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BASEWIDE WELL INVENTORY REPORT REVISION I NTC ORLANDO FL

5/30/2014

RESOLUTION CONSULTANTS

BASEWIDE WELL INVENTORY REPORT
FORMER NTC ORLANDO, FLORIDA

REVISION 1

RESOLUTION CONSULTANTS JOB NO.:
60285781

Prepared for:

Department of the Navy
Naval Facilities Engineering Command, Southeast
BRAC Program Management Office, East
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Comprehensive Long-Term Environmental Action Navy
Contract Number N62470-11-D-8013

CTO No. JM42

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30 May 2014

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LIST OF ACRONYMS AND ABBREVIATIONS

ABB	ABB Environmental Services, Inc.
AST	aboveground storage tank
amsl	above mean sea level
bgs	below ground surface
BHC	hexachlorocyclohexane
BRAC	Base Realignment and Closure
BSA	Bower-Singleton and Associates, Inc.
BTOC	below top of casing
CCI	CH2MHill, Inc.
cDCE	cis-1,2-dichloroethene
CH2M	CH2MHILL Constructors, Inc.
CLEAN	Comprehensive Long-Term Environmental Action Navy
CMT	continuous multi-channel tubing
CTO	contract task order
DP	direct push
DPT	direct push technology
EGIS	Environmental Geographic Information System
EIS	Environmental Impact Statement
EXT	extraction well
FDEP	Florida Department of Environmental Protection
FM	flush mount
Ft	feet
G2	GPS relative positioning technique
GMP	groundwater monitoring point
HA	hand auger
HLA	Harding Lawson Associates
HS	hollow stem auger
IER	Tetra Tech (legacy Orlando office)
INJ	injection well
JD	jetted
LTM	long-term monitoring
LUC	land use control
MR	mud rotary
MW	monitoring well
NA	not applicable
NAD	North American Datum
NAVD	North American Vertical Datum
NAVFAC	Naval Facilities Engineering Command

ACRONYMS AND ABBREVIATIONS (CONTINUED)

NDS	Nodarse and Associates, Inc.
NEPA	National Environmental Policy Act
NFA	No Further Action
NGVD	National Geodetic Vertical Datum
NTC	Naval Training Center
NS	Not surveyed
OU	Operable Unit
PCB	polychlorinated biphenyls
PCE	perchloroethene (also known as tetrachloroethene)
PMO	Program Management Office
PVC	polyvinyl chloride
PZ	piezometer
RC	Resolution Consultants
RD	rotosonic drill
RT	rotosonic
RCW	recirculating well
RW	recovery well
S1	Classical surveying technique
SA	Study Area
SE	Southeast
Sch	schedule
SIES	Solutions Industrial & Environmental Services
SS	stainless steel
STI	Stillwater Technologies, Inc.
SU	stickup
TCE	trichloroethene
TOC	top of casing
TP	Terraprobe
TT	Tetra Tech
USGS	United States Geological Survey
UST	underground storage tank
VC	vinyl chloride

1.0 INTRODUCTION

Resolution Consultants (RC) has been tasked by the Naval Facilities Engineering Command (NAVFAC) Base Realignment and Closure (BRAC) Program Management Office (PMO) East to update the well inventory at the former Naval Training Center (NTC), Orlando, Florida. This update was completed under the Comprehensive Long-Term Environmental Action Navy (CLEAN) Contract Number N62470-11-D-8013, Contract Task Order (CTO) No. JM42.

The Basewide Well Inventory Report is maintained in order to provide a current summary of the location and condition of monitoring wells associated with the former NTC Orlando. The well inventory is used to support environmental data collection and data evaluations as well as recommendations for well abandonment, optimization of long-term monitoring (LTM) programs, and site closure.

This updated report presents the results of the evaluation of location and construction information for wells at active sites at the former NTC Orlando. Field inspections were performed to locate, inspect, and document the current condition of wells as needed. Additional documentation of previously abandoned wells was added to the database, along with recent well installation and abandonment information. Piezometers and wells installed for remediation were also included.

Background information for each site included in this report is summarized in Section 2.0. Basewide site figures depicting the locations of sites included in this report are provided in **Appendix A**. Site maps showing well locations and tabulated site well construction details including well designations, construction materials, installation and abandonment information, screen intervals, and land surveyor data are provided in **Appendix B**. Well information including boring logs, well completion logs, survey reports, and field inspection forms including photographs of the wells are provided in **Appendix C**.

2.0 BACKGROUND

Location: The former NTC Orlando is comprised of four non-contiguous facilities: the Main Base (1,095 acres), Area C (46 acres), Herndon Annex (54 acres), and McCoy Annex (877 acres). The Main Base was located approximately three miles east of downtown Orlando. Area C is located approximately one mile west of the Main Base; Herndon Annex is located approximately 1.5 miles south of the Main Base; and McCoy Annex is located approximately eight miles south of the Main Base.

General Use: The Main Base was primarily comprised of operations and training facilities. Area C served as a supply center for the former NTC and included the base laundry and dry-cleaning facilities and the Defense Reutilization and Marketing Office. Herndon Annex included airplane parking aprons, taxiways, and warehouse facilities. McCoy Annex was largely comprised of military housing units, maintenance and support facilities, and a former landfill (later converted to a golf course).

Base Closure: NTC Orlando was closed in phases starting with the closure of the Recruit Training Command and Naval Hospital in March 1995, the Service School Command in November 1996, and the Navy Nuclear Power Training Command in December 1998. All operations ceased at the training center on 30 April 1999. In accordance with the requirements of the National Environmental Policy Act (NEPA) of 1969, an Environmental Impact Statement (EIS) was prepared in connection with the disposal and reuse of the entire NTC Orlando. The NEPA Record of Decision for the EIS was signed on 15 November 1996.

Environmental Actions: Environmental investigations conducted as part of the BRAC process identified 55 study areas (SAs). Two landfill areas were categorized as Operable Units (OUs). OU 1 is the North Grinder Landfill located in the northwest area of the Main Base. OU 2 is the former golf course landfill located in the southern portion of the McCoy Annex. Two study areas (SA 8 and SA 9) were combined into OU 3, and three study areas (SA 12, SA 13 and SA 14) were combined into OU 4. All identified OUs and SAs at NTC Orlando have been investigated, and all known underground storage tanks (USTs) and aboveground storage tanks (ASTs) have been removed. The majority of the SAs have been closed, although some remain under Land Use Controls (LUCs).

Active Sites: Three OUs (OU 2, OU 3, and OU 4) and four SAs (SA 2, SA 17, SA 36, and SA 36NW) are currently under LTM programs. These are the only sites with active wells remaining. Monitoring wells at OU 1 were abandoned on 28 December 2011 following regulatory approval to discontinue groundwater monitoring. Monitoring wells at SA 39 were abandoned on 22

October 2013 following regulatory approval to discontinue groundwater monitoring. Well inventory details for OU 1 and SA 39 are included to document abandonment activities.

Operable Unit 1

OU 1, North Grinder Landfill was a 54.75-acre site located in the northwest corner of the former Main Base. A portion of the site (approximately 18 acres) was operated as a landfill from its inception (possibly as early as 1939) until it was closed in 1967. Wastes accepted by the landfill included film and photographic chemicals, paint thinner, garbage, medical waste, yard and construction debris, and perchloroethene (PCE) (also known as tetrachloroethene) still bottoms. The OU 1 property was transferred to the City of Orlando in 1999 for redevelopment. Deeded LUCs include soil and groundwater use restrictions. Blue Jacket Park now lies over the former landfill. Glenridge Middle School is located in the northeastern corner of OU 1, and the southeastern and southwestern boundaries of the property intersect residential neighborhoods. Annual groundwater monitoring was discontinued in 2011, and wells were abandoned on 28 December 2011.

Operable Unit 2

OU 2, the McCoy Annex Landfill, encompasses 177 acres and is located in the southern portion of the former McCoy Annex. This site includes the 114 acre McCoy Annex landfill, which operated from 1960 to 1978. Landfill wastes reportedly included paint and paint thinners, asbestos, transformers, hospital wastes, low level radiological waste, batteries, aircraft parts, yard waste, and possibly waste oil. From 1982 to 2007, a golf course covered most of the former landfill. The OU 2 property was transferred to Brian Mulvaney in 2008. Deeded Land LUCs include soil and groundwater use restrictions. The property is operated as Combat City, a recreational airsoft facility. Groundwater contaminants of concern include benzene, PCE, trichloroethene (TCE), cis-1,2-dichloroethene (cDCE), vinyl chloride (VC), iron, and manganese. Groundwater is monitored semiannually. The existing active well network at OU 2 consists of 96 monitoring wells. Additionally, 55 injection wells remain at the site.

Operable Unit 3

OU 3 is located on the former Main Base and is comprised of two separate sites, SA 8 and SA 9, which lie approximately 600 feet apart on the southeast shore of Lake Baldwin. SA 8 was the Greenskeeper's Storage area on the former Main Base golf course. SA 9 was the former Pesticide Handling and Storage Area. All golf-course related buildings have been removed from these two

study areas, and the OU 3 property was transferred to the City of Orlando in 2005. Deeded LUCs include soil and groundwater use restrictions.

SA 8, the former Greenskeeper's Storage Area, is 1.88 acres. This site was used by NTC Orlando for storage of pesticides, paint, equipment, and supplies, as well as routine maintenance and repair of golf course equipment. The facility was closed in 1998 and subsequently demolished in 1999. The study area is primarily managed grass, with natural grasses along Lake Baldwin, and includes a paved walking trail. A residential building has been constructed along the eastern edge of SA 8. Future use of the site is expected to remain managed green space with small area of residential use. The topography is relatively flat, with a slight slope to the northwest, toward Lake Baldwin. The groundwater contaminants of concern at this study area are arsenic, aluminum, antimony, iron, and manganese. The site is monitored quarterly. Currently 23 monitoring wells are active at SA 8.

SA 9, the former Pesticide Handling and Storage Area, is 1.39 acres and is located in the southeastern corner of the main base, just south of SA 8. This site was used for storing and mixing pesticides and herbicides for use at the NTC. A pesticide and herbicide storage building was used by the Air Force and the Navy from the early 1950s to 1972. Equipment cleaning water and container rinse water were discharged to a gravel sump. The building was demolished in 1981. The study area is now largely a flat grass-covered field with scattered, mature trees, and a paved walking trail. Future use of the site is expected to remain managed green space. Shallow drainage swales (several feet wide and approximately a foot deep) border the south, east, and part of the west sides of the site. The groundwater contaminants of concern at this study area are arsenic, iron, manganese, 2-methylnaphthalene, naphthalene, alpha-BHC (hexachlorocyclohexane); beta-BHC; delta-BHC; and gamma-BHC. Groundwater monitoring is conducted semiannually. Currently 27 monitoring wells are active at SA 9.

Operable Unit 4

OU 4 is located in the north half of Area C, east of Lake Druid. The northeast portion of Area C encompasses 9.22 acres and the northwest portion encompasses 6.63 acres. The northeast portion of the property was transferred to Orlando Heights, LLC in 2005, and the northwest portion was transferred to the City of Orlando in 2011. Deeded Land LUCs include soil and groundwater use restrictions. The northeast part of Area C is currently unused; however, the planned future use is mixed development. The northwest part of Area C is also unused, with planned future recreational use.

Construction of Area C, which includes all of OU 4, began in 1942 to provide support services for the Army Air Corps Orlando Air Base. OU 4 includes the former Defense Reutilization and Marketing Office, a salvage yard, and the location of the former base laundry (Building 1100). Within OU 4, hazardous materials including paints, solvents, insecticides, transformers (potentially containing polychlorinated biphenyls [PCBs]), and asbestos were stored at several locations. Building 1100 was constructed in 1943 and was used for laundry and dry cleaning until 1994; the building was demolished in 2004. PCE was used in the laundry as a dry cleaning agent, and there were three documented spills of PCE at the facility. Contaminants of concern at OU 4 include chlorinated volatile organic compounds PCE, TCE, cDCE, and VC and antimony in groundwater. The site is monitored semiannually. A total of 206 monitoring wells are present at OU 4, as well as 22 wells related to remedial actions.

Study Area 2

SA 2, the Herndon Annex, consists of 12.37 acres of Navy property that was not included in the transfer of the Herndon Annex to the City of Orlando via the April 2000 Finding of Suitability for Transfer. SA 2 consists of three parcels (2A, 2B, and 2C) that were excluded from early transfer until certain remedial actions to address contaminated groundwater could be completed. An abandoned septic system (Facility 6001), the remains of former aircraft parking aprons, and former landfill areas located in parcels 2A and 2C are considered potential sources of contaminant release to soil and groundwater. SA 2A and SA 2C are the locations of former sanitary landfills used by the Air Force in the 1950s and early 1960s. After the property was transferred to the City of Orlando in 2006 under LUCs including soil and groundwater use restrictions, it was redeveloped as a communications center and a police training facility. The groundwater contaminants of concern at SA 2 include benzene, PCE, TCE, cDCE, VC, iron, and manganese. Groundwater is monitored semiannually. Currently, 27 monitoring wells are active at SA 2.

Study Area 17

SA 17, the Defense Property Disposal Office, is 9.082 acres in the central part of the McCoy Annex that included the area of the former Defense Property Disposal Office operations and was used for motor pool storage and maintenance, and warehousing. Operation of the Defense Property Disposal Office included the storage of hazardous materials (i.e., paint, oil, antifreeze). SA 17 included several buildings constructed in the 1950s and 1960s. The entire southeastern portion of the site, including a fenced area where the highest levels of groundwater contamination have been encountered, consists of a bare soil and grass covered area that was

formerly used by the motor pool. A shallow ditch that drains to the east extends along the entire southern boundary of the site. The SA 17 parcel was transferred to the City of Orlando in 2008. Deeded LUCs include soil and groundwater use restrictions. The property is currently inactive and all buildings were demolished in 2009. Planned future use is commercial/industrial. Groundwater contaminants of concern at this site include PCE, TCE, cDCE, 1,1-dichloroethene, and VC. Groundwater is monitored semiannually. A total of 59 monitoring wells are active at SA 17. Additionally, 12 injection wells and two extraction wells remain at the site.

Study Area 36

SA 36, the Public Works Lumber Storage/Public Works Shops, is 1.94 acres in size and is located in the southwestern part of the Main Base. This site included a paint shop (Building 2122) built in 1952, a lumber storage facility (Building 2121), and the western half of the Public Works Yard. Paint and paint thinner were stored in Building 2122. A drainage swale located on the western edge of the site received runoff from the paved storage areas. A flammable materials storage cabinet, a 55-gallon drum containing used motor oil, and stockpiles of sand and gravel were observed in the North Storage Area during an Environmental Baseline Survey performed by ABB Environmental Services (ABB) in 1994. In 2002, the property was transferred to the City of Orlando for redevelopment as part of the Baldwin Park community. Residences and a small park now occupy the site. Remaining groundwater contaminants of concern are benzene, PCE, TCE, cDCE, and VC. Groundwater is monitored annually. Currently 16 monitoring wells are active at SA 36.

Study Area 36NW

SA 36NW, originally located to the northwest of SA 36, currently extending east to Lake Susannah, included Building 109 (a service station), constructed in 1974. The service station and associated USTs underwent several assessments and remedial actions, and the property was approved for No Further Action (NFA) prior to being transferred to the City of Orlando as uncontaminated in 1999. Building 109 was demolished in 2000. During pre-development activities, petroleum contamination was discovered in the vicinity of the three USTs (1994 replacements for three former steel USTs that leaked) that were abandoned in place, which resulted in additional assessment, UST removal, and remediation of soil and groundwater. The site is within the Baldwin Park residential neighborhood. Contaminants of concern at SA 36NW are acrolein, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, benzene, ethylbenzene, hexachlorobutadiene, isopropylbenzene, methyl-tert-butyl-ether, methylene chloride,

naphthalene, and xylenes. Groundwater is monitored quarterly. A total of 28 monitoring wells are active at SA 36NW.

Study Area 39

SA 39, the Loading Platform/Coal Storage Area**,** is 12.88 acres located in the southwest corner of the Main Base of the former NTC Orlando. The study area is bounded on the south and west by the Main Base's property line, near the intersection of Fox Street and Fern Avenue. The former uses of the site included a coal storage yard and alleged landfill operations, as well as solid and hazardous materials storage and handling. The property was transferred in 2002 as part of the Baldwin Park community, and residences were subsequently constructed on the property overlying the existing groundwater contaminant plume. Groundwater was monitored annually through 2011. The Site Rehabilitation Completion Report requesting NFA was approved by Florida Department of Environmental Protection (FDEP) on 20 September 2013. All SA 39 wells were abandoned on 22 October 2013.

3.0 SUMMARY

This Basewide Well Inventory Report documents the current status of wells at active sites at the former NTC Orlando. **Table 1** presents the total number of known wells by site as of May 2014. There are currently 482 active monitoring wells at NTC Orlando, and 91 remedial action wells.

Table 3-1: Basewide Monitoring Well Summary, May 2014

Site	Total Monitoring Wells	Remedial Action Wells
OU 1	0	0
OU 2	96	55
OU 3 – SA 8	23	0
OU 3 – SA 9	27	0
OU 4	206	22
SA 2	27	0
SA 17	59	14
SA 36	16	0
SA 36NW	28	0
SA 39	0	0
Total	**482**	**91**

APPENDIX A
SITE LOCATION FIGURES

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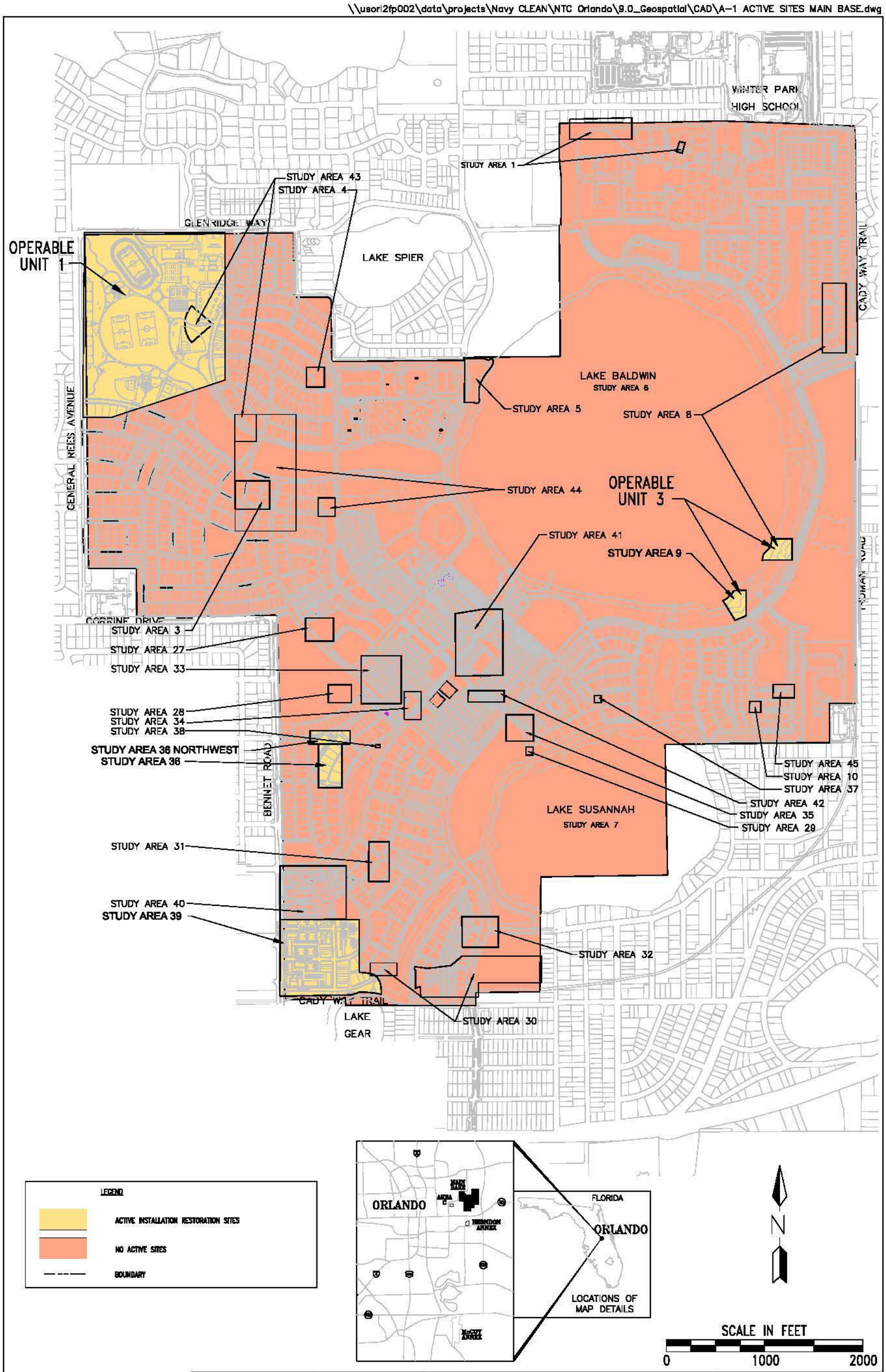
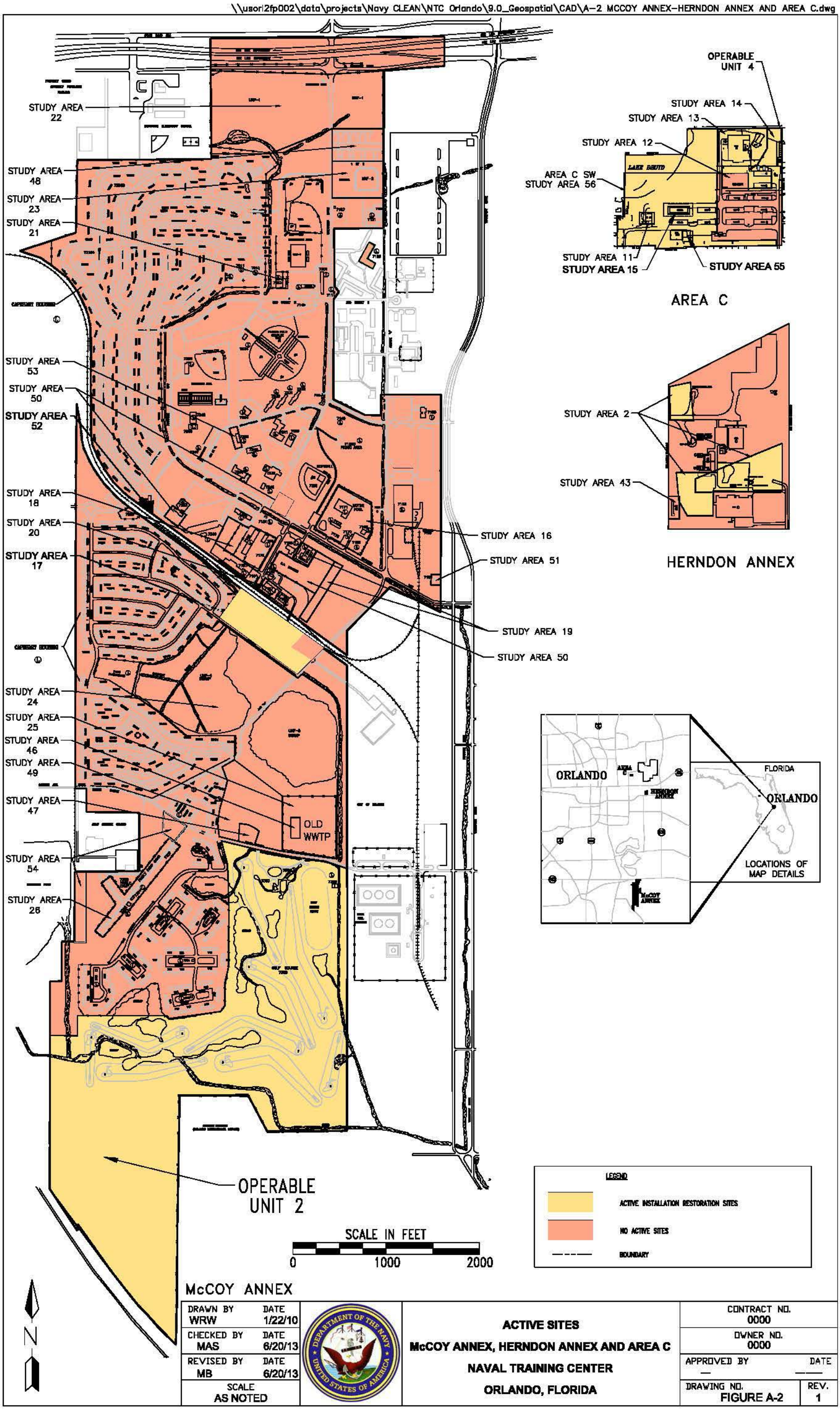
\\usorl2fp002\data\projects\Navy CLEAN\NTC Orlando\9.0_Geospatial\CAD\A-1 ACTIVE SITES MAIN BASE.dwg



DRAWN BY WRW	DATE 12/17/09	ACTIVE SITES MAIN BASE NAVAL TRAINING CENTER ORLANDO, FLORIDA	CONTRACT NO. 0000
CHECKED BY TKG	DATE 12/17/09		OWNER NO. 0000
REVISED BY —	DATE —		APPROVED BY — / DATE —
SCALE AS NOTED			DRAWING NO. FIGURE A-1 / REV. 0

\\usor12fp002\data\projects\Navy CLEAN\NTC Orlando\9.0_Geospatial\CAD\A-2 MCCOY ANNEX-HERNDON ANNEX AND AREA C.dwg



DRAWN BY WRW	DATE 1/22/10	ACTIVE SITES McCOY ANNEX, HERNDON ANNEX AND AREA C NAVAL TRAINING CENTER ORLANDO, FLORIDA	CONTRACT NO. 0000
CHECKED BY MAS	DATE 6/20/13		OWNER NO. 0000
REVISED BY MB	DATE 6/20/13		APPROVED BY — DATE —
SCALE AS NOTED			DRAWING NO. FIGURE A-2 REV. 1

APPENDIX B

SITE MAPS AND WELL CONSTRUCTION DETAILS FOR OPERABLE UNITS 1, 2, 3, AND 4 AND STUDY AREAS 2, 17, 36, 36NW, AND 39

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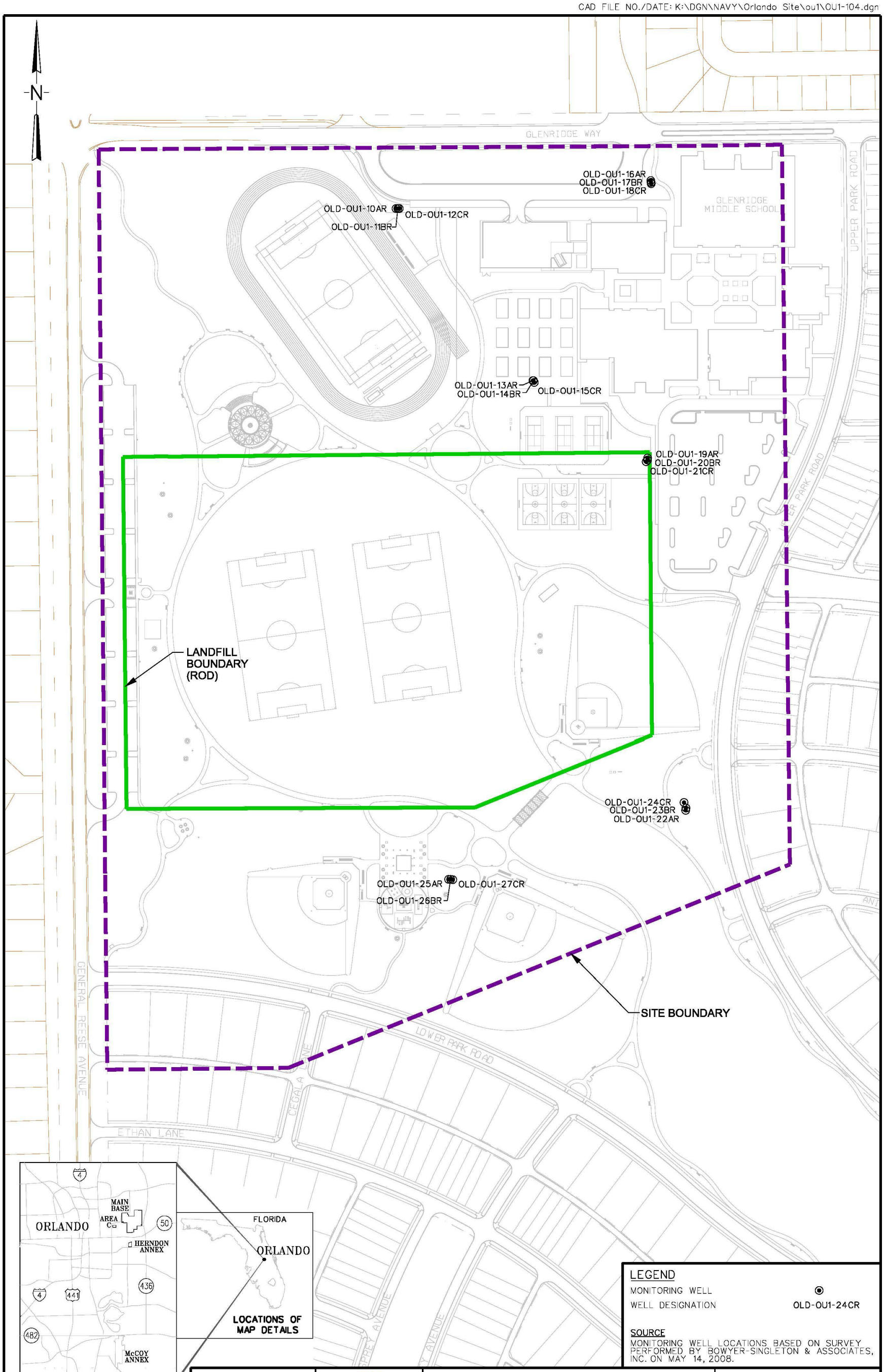
CAD FILE NO./DATE: K:\DGN\NAVY\Orlando Site\ou1\OU1-104.dgn



LEGEND

MONITORING WELL ⊙

WELL DESIGNATION OLD-OU1-24CR

SOURCE

MONITORING WELL LOCATIONS BASED ON SURVEY PERFORMED BY BOWYER-SINGLETON & ASSOCIATES, INC. ON MAY 14, 2008.

DRAWN BY ILG	DATE 6-24-08	SITE MAP OPERABLE UNIT 1	CONTRACT NO. N62467-04-D-0055
CHECKED BY TKG	DATE 6-24-08		OWNER NO. 112G00891
REVISED BY ---	DATE --------	NAVAL TRAINING CENTER ORLANDO, FLORIDA	APPROVED BY --- / DATE --------
SCALE AS NOTED			DRAWING NO. FIGURE 1 / REV. 0

WELL CONSTRUCTION DETAILS
OPERABLE UNIT 1

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

No.	WELL DESIGNATION	TYPE	WELL INNER DIAMETER	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (ft bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	STATUS	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
1	OLD-OU1-10AR	MW	2	0.010 PVC	PVC Sch 40	5/6/2003	NDS	HS	FM	23.2	23.55	113.31	113.66	13	23	ABANDONED	S1	BSA	5/14/2008	547,728.75	1,543,142.42	NAVD 88
2	OLD-OU1-11BR	MW	2	0.010 PVC	PVC Sch 40	5/7/2003	NDS	MR	FM	40.2	40.51	113.32	113.63	35	40	ABANDONED	S1	BSA	5/14/2008	547,732.58	1,543,142.41	NAVD 88
3	OLD-OU1-12CR	MW	2	0.010 PVC	PVC Sch 40	5/6/2003	NDS	MR	FM	65.2	65.44	113.27	113.51	60	65	ABANDONED	S1	BSA	5/14/2008	547,735.46	1,543,142.66	NAVD 88
4	OLD-OU1-13AR	MW	2	0.010 PVC	PVC Sch 40	5/5/2003	NDS	HS	FM	24.2	24.63	113.57	114.00	14	24	ABANDONED	S1	BSA	5/14/2008	548,009.74	1,542,789.24	NAVD 88
5	OLD-OU1-14BR	MW	2	0.010 PVC	PVC Sch 40	5/5/2003	NDS	MR	FM	41.2	41.33	113.77	113.90	36	41	ABANDONED	S1	BSA	5/14/2008	548,011.06	1,542,789.12	NAVD 88
6	OLD-OU1-15CR	MW	2	0.010 PVC	PVC Sch 40	5/5/2003	NDS	MR	FM	55.7	55.92	113.58	113.80	50.5	55.5	ABANDONED	S1	BSA	5/14/2008	548,012.49	1,542,785.54	NAVD 88
7	OLD-OU1-16AR	MW	2	0.010 PVC	PVC Sch 40	5/7/2003	NDS	HS	FM	20.0	20.18	109.72	109.90	10	20	ABANDONED	S1	BSA	5/14/2008	548,251.81	1,543,199.96	NAVD 88
8	OLD-OU1-17BR	MW	2	0.010 PVC	PVC Sch 40	5/8/2003	NDS	MR	FM	35.2	35.46	109.64	109.90	30	35	ABANDONED	S1	BSA	5/14/2008	548,252.33	1,543,196.18	NAVD 88
9	OLD-OU1-18CR	MW	2	0.010 PVC	PVC Sch 40	5/7/2003	NDS	MR	FM	48.2	48.54	109.66	110.00	43	48	ABANDONED	S1	BSA	5/14/2008	548,252.62	1,543,193.55	NAVD 88
10	OLD-OU1-19AR	MW	2	0.010 PVC	PVC Sch 40	5/8/2003	NDS	HS	FM	20.2	20.9	112.10	112.80	10	20	ABANDONED	S1	BSA	5/14/2008	548,245.19	1,542,630.13	NAVD 88
11	OLD-OU1-20BR*	MW	2	0.010 PVC	PVC Sch 40	Unknown	NDS	Unknown	FM	34.1	34.71	112.19	112.80	29	34	ABANDONED	S1	BSA	5/14/2008	548,245.10	1,542,626.16	NAVD 88
12	OLD-OU1-21CR*	MW	2	0.010 PVC	PVC Sch 40	Unknown	NDS	Unknown	FM	40.9	41.48	112.22	112.80	35	40	ABANDONED	S1	BSA	5/14/2008	548,242.34	1,542,622.85	NAVD 88
13	OLD-OU1-22AR*	MW	2	0.010 PVC	PVC Sch 40	Unknown	NDS	Unknown	FM	20.1	20.43	114.97	115.30	9.5	19.5	ABANDONED	S1	BSA	5/14/2008	548,323.44	1,541,908.27	NAVD 88
14	OLD-OU1-23BR*	MW	2	0.010 PVC	PVC Sch 40	Unknown	NDS	Unknown	FM	40.0	40.32	115.08	115.40	34.5	39.5	ABANDONED	S1	BSA	5/14/2008	548,324.13	1,541,912.81	NAVD 88
15	OLD-OU1-24CR	MW	2	0.010 PVC	PVC Sch 40	5/14/2003	NDS	MR	FM	70.2	70.54	114.96	115.30	65	70	ABANDONED	S1	BSA	5/14/2008	548,320.00	1,541,924.29	NAVD 88
16	OLD-OU1-25AR	MW	2	0.010 PVC	PVC Sch 40	5/12/2003	NDS	HS	FM	20.2	20.41	119.39	119.60	10	20	ABANDONED	S1	BSA	5/14/2008	547,836.75	1,541,766.53	NAVD 88
17	OLD-OU1-26BR	MW	2	0.010 PVC	PVC Sch 40	5/13/2003	NDS	MR	FM	50.2	50.36	119.34	119.50	45	50	ABANDONED	S1	BSA	5/14/2008	547,840.86	1,541,766.39	NAVD 88
18	OLD-OU1-27CR	MW	2	0.010 PVC	PVC Sch 40	5/12/2003	NDS	MR	FM	63.2	63.18	119.32	119.30	58	63	ABANDONED	S1	BSA	5/14/2008	547,845.19	1,541,765.81	NAVD 88

All site wells were abandoned in December 2011

*Notes for OLD-OU1-20BR through OLD-OU1-23BR:
Completion logs not available; total depth BTOC confirmed by field measurements.
Screen intervals inferred from measured total depths.
Construction materials inferred from other wells and field observations.

Legend

- Operable Unit 2 Boundary
- Landfill Boundary Based on Interpretation of Geophysical Data (TetraTech NUS, Inc., March 2011)
- A-Drive Point

Monitoring Wells

- Shallow A Zone
- Upper Intermediate B Zone
- Deep D Zone, unconfined

0 225 450 900 Feet

1 inch = 450 feet

Basemap Sources: Esri World Imagery
http://services.arcgisonline.com/arcgis/services/World_Imagery
© 2011 Esri, i-cubed, USDA FSA, USGS, AEX, GeoEye, AeroGRID, Getmapping, IGP
Orange County GIS

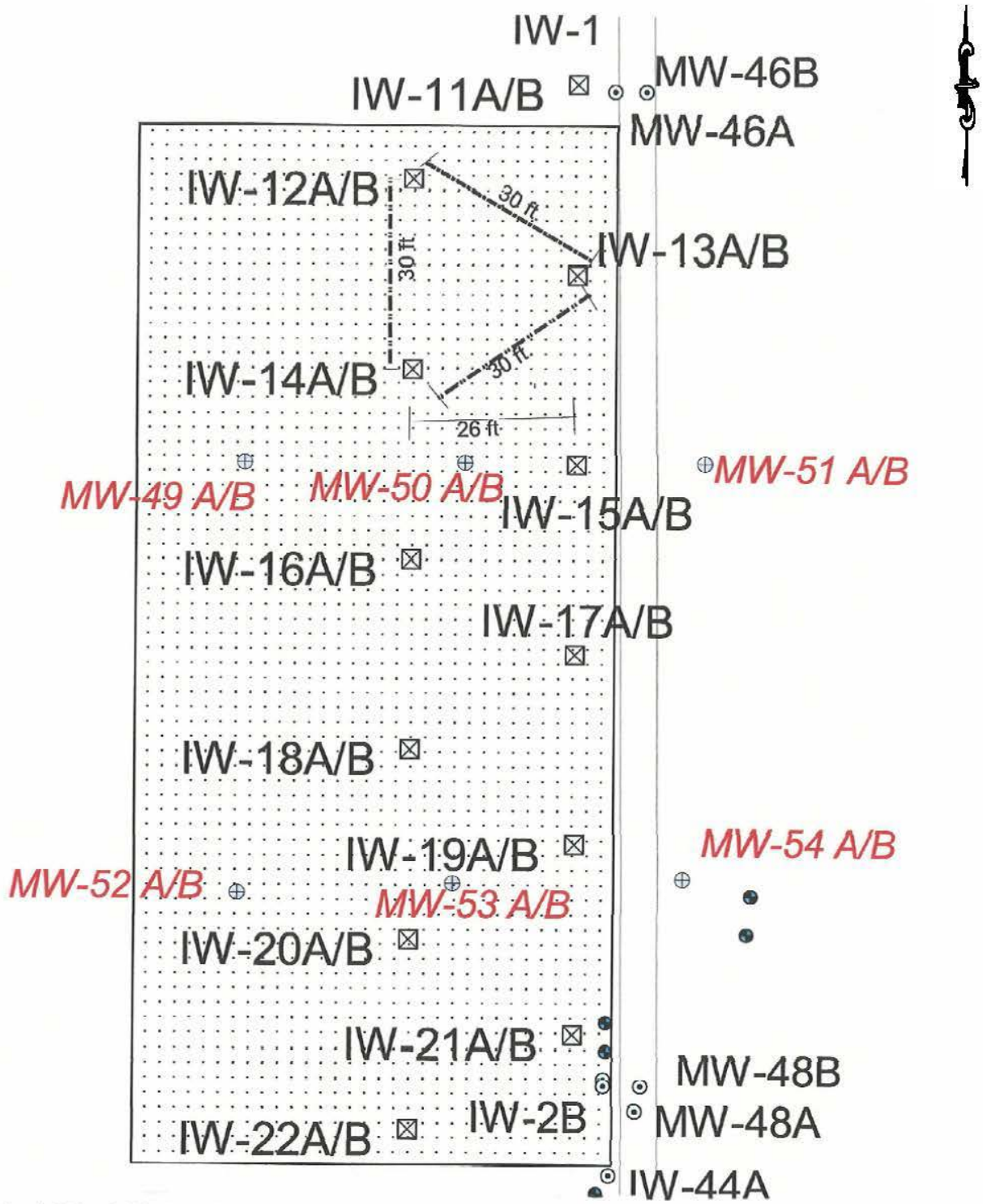
* Landfill Boundary Based on Interpretation of Geophysical Data (TetraTech NUS, Inc., March 2011)

FIGURE 1
SITE LAYOUT/WELL LOCATION MAP
Operable Unit 2
Main Base
Orlando, Florida

NAVFAC Naval Facilities Engineering Command
RESOLUTION CONSULTANTS

REQUESTED BY: M. Sweeney	DATE: 6/2/2014
DRAWN BY: M. Martin	TASK ORDER NUMBER: JM42

L:\projects\Navy CLEAN\NTC Orlando\9.0_Geospatial\MXDs\OU2\Well inventory\FIGURE 1 Site Map_053014.mxd



Full-scale biobarrier injection well
Ou2 phase I pilot wells

NOTE:
1) IMAGE REFERENCE FROM CH2M HILL CONSTRUCTION COMPLETION REPORT, APRIL 2010.

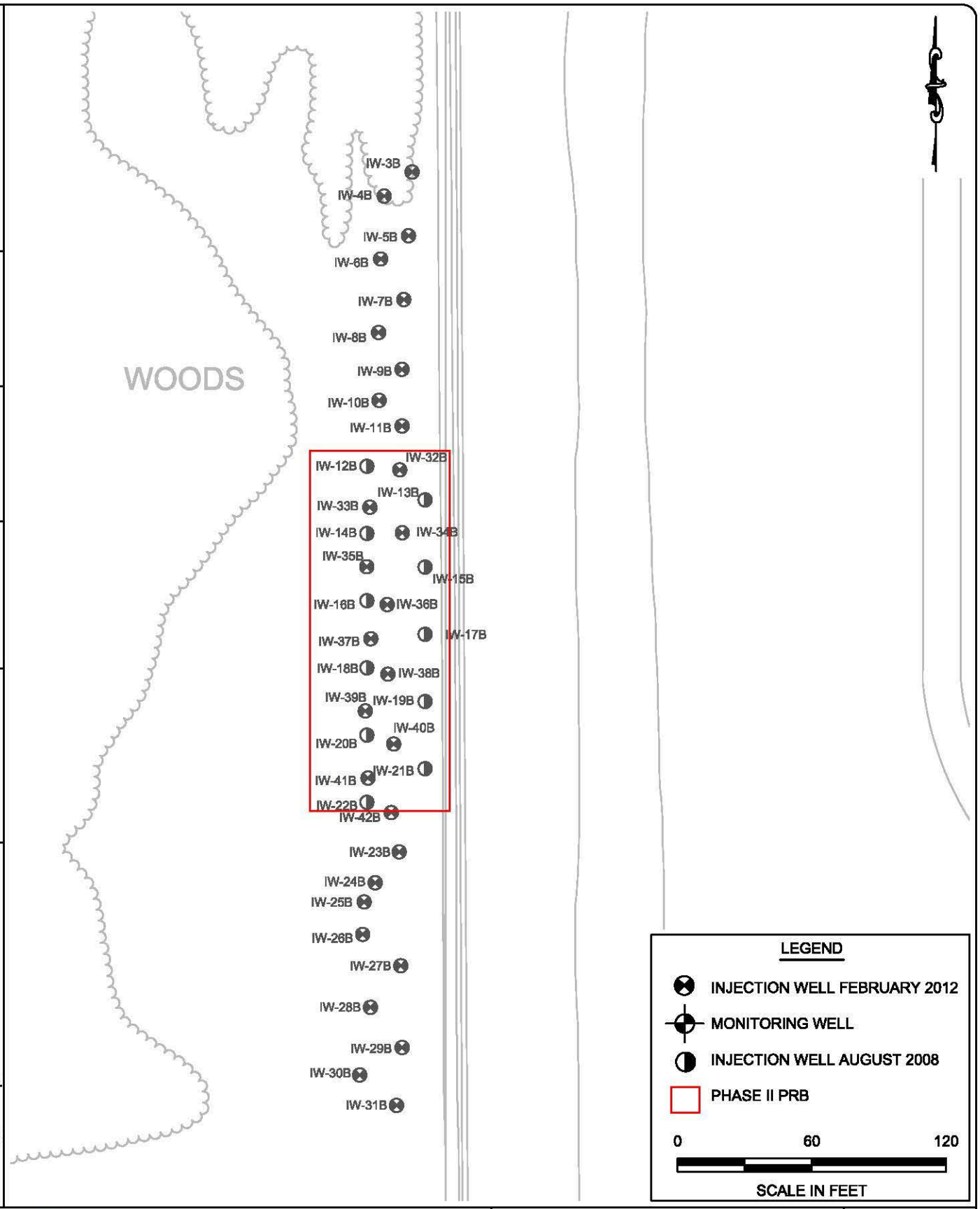
NOT TO SCALE

PROJECT NUMBER 9082.10A3.NAVF
DRAFTER HRG
CHECKED BY JLK
PROJECT MANAGER JLK
DATE 11/01/2010
FILE FIGURE 2.pdf

Solutions-IES
Industrial & Environmental Services
1101 NOWELL ROAD
RALEIGH, NORTH CAROLINA 27607
TEL.: (919) 873-1060 FAX.: (919) 873-1074

PHASE II PILOT STUDY
INJECTION WELLS LOCATIONS
NTC ORLANDO - OU-02
ORLANDO, FLORIDA

FIGURE: 2



PROJECT NUMBER 9082.10A3.NAVF

DRAFTER KTS

CHECKED BY MTL

PROJECT MANAGER JLK

DATE 11/26/2012

FILE FIGURE 4.pdf

Solutions-IES
Industrial & Environmental Services
1101 NOWELL ROAD
RALEIGH, NORTH CAROLINA 27607
TEL.: (919) 873-1060 FAX.: (919) 873-1074

INJECTION WELL LOCATION MAP
NTC ORLANDO
OPERABLE UNIT 02
ORLANDO, FLORIDA

FIGURE: 4

J:\Project Files\Orlando-Injection\9082.10A3.NAVF ou 2\CAD\Current Drawings\9082-ORLANDO OU2.dwg

MONITORING WELL CONSTRUCTION DETAILS
OPERABLE UNIT 2

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL DESIGNATION	TYPE	WELL INNER DIAMETER (inch)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (bgs in ft)	BOTTOM OF SCREEN (bgs in ft)	STATUS	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
1	OLD-OU2-01A	MW	2	0.010 PVC	Sch. 40 PVC	6/1/1998	TT	HS	FM	14.40	14.9	91.04	91.04	4.5	14.5	R (by OLD-OU2-34A)	S1			547,452.3850	1,487,708.3444	
2	OLD-OU2-01B	MW	2	0.010 PVC	Sch. 40 PVC	6/1/1998	TT	HS	FM	28.85	29.45	91.03	91.03	24.0	29	ACTIVE	S1			547,453.0873	1,487,712.1797	
3	OLD-OU2-02A	MW	2	0.010 PVC	Sch. 40 PVC	6/1/1998	TT	HS	SU	19.85	17.85	91.54	88.37	7.5	17.5	ACTIVE	S1	CH2M	10/29/2002	547,448.4000	1,487,055.5300	NAVD 88
4	OLD-OU2-02B	MW	2	0.010 PVC	Sch. 40 PVC	6/1/1998	TT	HS	SU	34.6	32.6	91.76	88.50	27.0	32	ACTIVE	S1	CH2M	10/29/2002	547,450.3000	1,487,051.9900	NAVD 88
5	OLD-OU2-03A	MW	2	0.010 PVC	Sch. 40 PVC	6/2/1998	TT	HS	SU	20	17.98	89.21	86.03	7.5	17.5	ACTIVE	S1	CH2M	10/29/2002	547,447.1900	1,486,789.3200	NAVD 88
6	OLD-OU2-03B	MW	2	0.010 PVC	Sch. 40 PVC	6/2/1998	TT	HS	SU	34.83	32.9	89.18	85.98	27.5	32.5	ACTIVE	S1	CH2M	10/29/2002	547,450.7700	1,486,787.5000	NAVD 88
7	OLD-OU2-04A	MW	2	0.010 PVC	Sch. 40 PVC	6/3/1998	TT	HS	FM	20.01	18.01	88.86	88.86	7.5	17.5	ACTIVE	S1			546,854.5108	1,486,462.9679	
8	OLD-OU2-04B	MW	2	0.010 PVC	Sch. 40 PVC	6/3/1998	TT	HS	FM	34.87	32.87	88.88	88.88	27.5	32.5	ACTIVE	S1			546,859.4923	1,486,465.4108	
9	OLD-OU2-05A	MW	2	0.010 PVC	Sch. 40 PVC	6/3/1998	TT	HS	SU	20.28	18.28	92.905	92.91	8	18	ACTIVE	S1			547,474.8726	1,486,213.7575	
10	OLD-OU2-05B	MW	2	0.010 PVC	Sch. 40 PVC	6/4/1998	TT	HS	SU	48.12	46.2	93.025	93.03	40.5	45.5	ACTIVE	S1			547,472.7442	1,486,217.1253	
11	OLD-OU2-06A	MW	2	0.010 PVC	Sch. 40 PVC	6/4/1998	TT	HS	SU	19.9	17.9	89.43	86.26	7.5	17.5	ACTIVE	S1	CH2M	10/29/2002	547,474.6000	1,485,590.2800	NAVD 88
12	OLD-OU2-06B	MW	2	0.010 PVC	Sch. 40 PVC	6/4/1998	TT	HS	SU	43.78	41.78	89.885	89.89	36.0	41	R (by OLD-OU2-35B)	S1			547,474.3299	1,485,588.7159	
13	OLD-OU2-07A	MW	2	0.010 PVC	Sch. 40 PVC	6/4/1998	TT	HS	SU	18.47	16.97	90.695	90.70	6.5	16.5	R (by OLD-OU2-36A)	S1			547,187.5468	1,485,290.3185	
14	OLD-OU2-07B	MW	2	0.010 PVC	Sch. 40 PVC	6/5/1998	TT	HS	SU	33.44	31.94	90.705	90.71	26.5	31.5	ACTIVE	S1			547,193.8690	1,485,290.6394	
15	OLD-OU2-08A	MW	2	0.010 PVC	Sch. 40 PVC	6/3/1998	TT	HS	SU	20.45	18.45	91.54	87.97	8	18	ACTIVE	S1	CH2M	10/29/2002	546,572.4300	1,485,737.1600	NAVD 88
16	OLD-OU2-08B	MW	2	0.010 PVC	Sch. 40 PVC	6/4/1998	TT	HS	SU	41.99	40.01	91.48	87.93	34.5	39.5	ACTIVE	S1	CH2M	10/29/2002	546,566.3200	1,485,738.0200	NAVD 88
17	OLD-OU2-09A	MW	2	0.010 PVC	Sch. 40 PVC	6/9/1998	TT	HS	SU	19.45	17.45	92.76	92.76	7	17	ACTIVE	S1			546,078.2183	1,485,610.8805	
18	OLD-OU2-09B	MW	2	0.010 PVC	Sch. 40 PVC	6/9/1998	TT	HS	SU	42.9	40.9	92.81	92.81	35.5	40.5	ACTIVE	S1			546,084.1265	1,485,611.4238	
19	OLD-OU2-10A	MW	2	0.010 PVC	Sch. 40 PVC	6/8/1998	TT	HS	FM	15	15.5	91.06	91.06	5.0	15	ACTIVE	S1			546,378.8070	1,485,139.1261	
20	OLD-OU2-10B	MW	2	0.010 PVC	Sch. 40 PVC	6/8/1998	TT	HS	FM	36	36.5	91.26	91.26	31.0	36	ACTIVE	S1			546,380.0366	1,485,133.0139	
21	OLD-OU2-11A	MW	2	0.010 PVC	Sch. 40 PVC	6/3/1998	TT	HS	SU	19.9	17.9	92.15	89.32	7.5	17.5	ACTIVE	S1	CH2M	10/29/2002	545,761.1000	1,485,628.5100	NAVD 88
22	OLD-OU2-11B	MW	2	0.010 PVC	Sch. 40 PVC	6/2/1998	TT	HS	SU	37.1	35.1	93.285	93.29	29.5	34.5	R (by OLD-OU2-37B)	S1			545,760.7379	1,485,627.4091	
23	OLD-OU2-12A	MW	2	0.010 PVC	Sch. 40 PVC	6/17/1998	TT	HS	FM	15	15.5	90.64	90.80	5	15	ACTIVE	S1	CH2M	10/29/2002	545,734.0200	1,485,186.1600	NAVD 88
24	OLD-OU2-12B	MW	2	0.010 PVC	Sch. 40 PVC	6/17/1998	TT	HS	FM	34.83	35.33	90.48	90.70	29.0	35	ACTIVE	S1	CH2M	10/29/2002	545,734.2700	1,485,192.3900	NAVD 88
25	OLD-OU2-13A	MW	2	0.010 PVC	Sch. 40 PVC	6/6/1998	TT	HS	FM	13.35	14.35	92.09	92.09	4	14	ACTIVE	S1			545,933.1426	1,485,018.6810	
26	OLD-OU2-13B	MW	2	0.010 PVC	Sch. 40 PVC	6/7/1998	TT	HS	FM	30.55	31.05	92.06	92.06	25.5	30.5	ACTIVE	S1			545,933.5234	1,485,024.3491	
27	OLD-OU2-14A	MW	2	0.010 PVC	Sch. 40 PVC	6/17/1998	TT	HS	FM	15.09	15.5	91.08	91.08	5	15	ACTIVE	S1			545,733.6386	1,484,725.9855	
28	OLD-OU2-14B	MW	2	0.010 PVC	Sch. 40 PVC	6/16/1998	TT	HS	FM	33.8	34.3	90.96	90.96	29	34	ACTIVE	S1			545,733.2971	1,484,720.8617	
29	OLD-OU2-15A	MW	2	0.010 PVC	Sch. 40 PVC	6/8/1998	TT	HS	FM	15	15.5	90.59	90.70	5	15	ACTIVE	S1	CH2M	10/29/2002	546,031.6800	1,484,321.7200	NAVD 88
30	OLD-OU2-15B	MW	2	0.010 PVC	Sch. 40 PVC	6/8/1998	TT	HS	FM	40	40.5	90.55	90.60	35	40	ACTIVE	S1	CH2M	10/29/2002	546,032.3200	1,484,328.1600	NAVD 88
31	OLD-OU2-16A	MW	2	0.010 PVC	Sch. 40 PVC	6/7/1998	TT	HS	FM	13.98	14.48	91.42	91.42	4	14	ACTIVE	S1			546,262.7119	1,483,916.6706	
32	OLD-OU2-16B	MW	2	0.010 PVC	Sch. 40 PVC	6/7/1998	TT	HS	FM	36.32	36.82	91.37	91.37	31.5	36.5	ACTIVE	S1			546,262.8511	1,483,922.8839	
33	OLD-OU2-17A	MW	2	0.010 PVC	Sch. 40 PVC	6/17/1998	TT	HS	FM	13.98	14.48	91.24	91.24	4	14	ACTIVE	S1			545,937.0221	1,483,976.4635	
34	OLD-OU2-17B	MW	2	0.010 PVC	Sch. 40 PVC	6/17/1998	TT	HS	FM	34.02	34.52	91.2	91.20	29	34	ACTIVE	S1			545,936.4897	1,483,982.9315	
35	OLD-OU2-18A	MW	2	0.010 PVC	Sch. 40 PVC	6/18/1998	TT	HS	FM	14	14.5	90.23	89.90	4	14	ACTIVE	S1	CH2M	10/29/2002	545,738.8800	1,484,086.5300	NAVD 88
36	OLD-OU2-18B	MW	2	0.010 PVC	Sch. 40 PVC	6/18/1998	TT	HS	FM	33.62	34.12	89.96	90.20	28.5	33.5	ACTIVE	S1	CH2M	10/29/2002	545,738.4100	1,484,080.5700	NAVD 88
37	OLD-OU2-19A	MW	2	0.010 PVC	Sch. 40 PVC	6/20/1998	TT	HS	FM	14.31	14.81	90.52	90.52	4	14	ACTIVE	S1			545,890.9329	1,483,560.2387	
38	OLD-OU2-19B	MW	2	0.010 PVC	Sch. 40 PVC	6/20/1998	TT	HS	FM	36.11	36.61	90.25	90.25	31	36	ACTIVE	S1			545,891.9394	1,483,553.9490	
39	OLD-OU2-20A	MW	2	0.010 PVC	Sch. 40 PVC	6/24/1998	TT	HS	SU	17.75	15.72	91.91	91.91	5	15	ACTIVE	S1			545,171.0861	1,483,516.8859	
40	OLD-OU2-20B	MW	2	0.010 PVC	Sch. 40 PVC	6/23/1998	TT	HS	SU	42.68	40.62	91.95	91.95	35	40	ACTIVE	S1			545,166.9948	1,483,511.6193	
41	OLD-OU2-21A	MW	2	0.010 PVC	Sch. 40 PVC	6/22/1998	TT	HS	SU	19.29	17.21	93.87	91.24	7	17	ACTIVE	S1	CH2M	10/29/2002	544,572.9700	1,485,030.2200	NAVD 88
42	OLD-OU2-21B	MW	2	0.010 PVC	Sch. 40 PVC	6/22/1998	TT	HS	SU	35.01	32.71	94.00	91.25	27.5	32.5	ACTIVE	S1	CH2M	10/29/2002	544,565.8100	1,485,031.6800	NAVD 88
43	OLD-OU2-22A	MW	2	0.010 PVC	Sch. 40 PVC	6/18/1998	TT	HS	SU	19.75	17.75	94.77	92.41	7.5	17.5	ACTIVE	S1			545,521.8344	1,486,667.9577	
44	OLD-OU2-22B	MW	2	0.010 PVC	Sch. 40 PVC	6/18/1998	TT	HS	SU	34.52	33	94.91	92.42	27	32	ACTIVE	S1			545,520.2728	1,486,664.6896	
45	OLD-OU2-23C	MW	2	0.010 PVC	Sch. 40 PVC	6/24/1998	TT	HS	FM	54	53.43	92.405	92.98	49.0	54	ACTIVE	S1			545,514.6167	1,486,592.3067	
46	OLD-OU2-24C	MW	2	0.010 PVC	Sch. 40 PVC	6/22/1998	TT	HS	FM	64	64.5	92.415	91.95	59.0	64	ACTIVE	S1			545,528.2131	1,484,174.6888	
47	OLD-OU2-25C	MW	2	0.010 PVC	Sch. 40 PVC	6/22/1998	TT	HS	FM	71.53	72.5	92.975	92.15	67.5	71.5	ACTIVE	S1			545,532.8018	1,484,171.2655	
48	OLD-OU2-26C	MW	2	0.010 PVC	Sch. 40 PVC	6/23/1998	TT	HS	FM	60.1	60.5	91.95	92.23	55.0	60	ACTIVE	S1			545,528.9973	1,484,176.0261	
49	OLD-OU2-27A	MW	2	0.010 PVC	Sch. 40 PVC	2/6/2001	TT	HS	SU	19	17	92.15	90.15	6.0	16	ACTIVE				545,119.4000	1,485,041.7000	
50	OLD-OU2-27B	MW	2	0.010 PVC	Sch. 40 PVC	2/6/2001	TT	HS	SU	34.5	32	92.23	89.73	27.0	32	ACTIVE				545,117.4000	1,485,044.9000	
51	OLD-OU2-28A	MW	2	0.010 PVC	Sch. 40 PVC	2/7/2001	TT	HS	SU	18.5	17	96.29	94.79	6.0	16	ACTIVE				545,342.8000	1,484,654.0000	
52	OLD-OU2-28B	MW	2	0.010 PVC	Sch. 40 PVC	2/9/2001	TT	HS	SU	34.5	32	96.29	93.79	27.0	32	ACTIVE				545,342.3000	1,484,659.1000	
53	OLD-OU2-29A	MW	1	0.010 PVC	Sch. 40 PVC	2/13/2002	TT	HS	FM	15	15.25	86.99	87.24	5.0	15	ACTIVE	S1	HESE	3/18/2002	546,716.8368	1,486,764.5090	NAVD 88
54	OLD-OU2-29B	MW	1	0.010 PVC	Sch. 40 PVC	2/13/2002	TT	HS	FM	30	30.5	86.79	87.29	25.0	30	ACTIVE	S1	HESE	3/18/2002	546,714.0729	1,486,764.8230	NAVD 88
55	OLD-OU2-30A	MW	1	0.010 PVC	Sch. 40 PVC	2/12/2002	TT	HS	FM	15	15	88.68	88.68	5.0	15	ACTIVE	S1	HESE	3/18/2002	547,312.7261	1,486,812.9020	NAVD 88
56	OLD-OU2-30B	MW	1	0.010 PVC	Sch. 40 PVC	2/12/2002	TT	HS	FM	30	30	88.31	88.31	25.0	30	ACTIVE	S1	HESE	3/18/2002	547,314.5095	1,486,812.2680	NAVD 88
57	OLD-OU2-31A	MW	1	0.010 PVC	Sch. 40 PVC	2/13/2002	TT	HS	SU	18	15	93.81	90.81	5.0	15	ACTIVE	S1	HESE	3/18/2002	545,706.9029	1,484,979.3730	NAVD 88
58	OLD-OU2-31B	MW	1	0.010 PVC	Sch. 40 PVC	2/13/2002	TT	HS	SU	33	30	93.53	90.53	25.0	30	ACTIVE	S1	HESE	3/18/2002	545,706.9982	1,484,983.2720	NAVD 88

MONITORING WELL CONSTRUCTION DETAILS
OPERABLE UNIT 2

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL DESIGNATION	TYPE	WELL INNER DIAMETER (inch)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (bgs in ft)	BOTTOM OF SCREEN (bgs in ft)	STATUS	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
59	OLD-OU2-32A	MW	1	0.010 PVC	Sch. 40 PVC	2/11/2002	TT	HS	SU	18	15.25	93.94	91.19	5.0	15	ACTIVE	S1	HESE	3/18/2002	545,200.7566	1,484,290.7520	NAVD 88
60	OLD-OU2-32B	MW	1	0.010 PVC	Sch. 40 PVC	2/11/2002	TT	HS	SU	33	30.5	94.06	91.56	25.0	30	ACTIVE	S1	HESE	3/18/2002	545,196.3172	1,484,291.0080	NAVD 88
61	OLD-OU2-33A	MW	1	0.010 PVC	Sch. 40 PVC	2/12/2002	TT	HS	SU	18	15.25	93.70	90.95	5.0	15	ACTIVE	S1	HESE	3/18/2002	545,585.7454	1,483,945.6230	NAVD 88
62	OLD-OU2-33B	MW	1	0.010 PVC	Sch. 40 PVC	2/12/2002	TT	HS	SU	33	30.5	93.42	90.92	25.0	30	ACTIVE	S1	HESE	3/18/2002	545,585.3407	1,483,941.4520	NAVD 88
63	OLD-OU2-34A	MW	1	0.010 PVC	Sch. 40 PVC	2/14/2002	TT	HS	SU	18	15.25	90.06	87.31	5.0	15	ACTIVE	S1	HESE	3/18/2002	547,450.2017	1,487,701.8220	NAVD 88
64	OLD-OU2-35B	MW	1	0.010 PVC	Sch. 40 PVC	2/15/2002	TT	HS	SU	33	32.5	89.21	88.71	25.0	30	ACTIVE	S1	HESE	3/18/2002	547,474.9802	1,485,582.2010	NAVD 88
65	OLD-OU2-36A	MW	1	0.010 PVC	Sch. 40 PVC	2/14/2002	TT	HS	SU	18	15.5	89.67	87.17	5.0	15	ACTIVE	S1	HESE	3/18/2002	547,198.7035	1,485,290.3200	NAVD 88
66	OLD-OU2-37B	MW	1	0.010 PVC	Sch. 40 PVC	2/12/2002	TT	HS	SU	33	30	92.67	89.67	25.0	30	ACTIVE	S1	HESE	3/18/2002	545,754.8976	1,485,624.5720	NAVD 88
67	OLD-OU2-38A	MW	2	0.010 PVC	Sch. 40 PVC	12/14/2004	CH2M	HS	FM	25	25	90.69	90.70	15.0	25	ACTIVE	S1	CH2M	5/30/2007	545,712.8500	1,485,034.3500	NAVD 88
68	OLD-OU2-38B	MW	2	0.010 PVC	Sch. 40 PVC	12/14/2004	CH2M	HS	FM	36	36	90.60	90.70	31.0	36	ACTIVE	S1	CH2M	5/30/2007	545,712.7800	1,485,041.1900	NAVD 88
69	OLD-OU2-39A	MW	2	0.010 PVC	Sch. 40 PVC	12/16/2004	CH2M	HS	FM	25	25	89.63	89.70	15.0	25	ACTIVE	S1	CH2M	5/30/2007	545,716.7400	1,484,357.9600	NAVD 88
70	OLD-OU2-39B	MW	2	0.010 PVC	Sch. 40 PVC	12/16/2004	CH2M	HS	FM	42	42	89.30	89.70	37.0	42	ACTIVE	S1	CH2M	5/30/2007	545,716.8600	1,484,363.2400	NAVD 88
71	OLD-OU2-40A	MW	2	0.010 PVC	Sch. 40 PVC	12/15/2004	CH2M	HS	FM	25	25	89.42	89.50	15.0	25	ACTIVE	S1	CH2M	5/30/2007	545,715.2600	1,484,060.3800	NAVD 88
72	OLD-OU2-40B	MW	2	0.010 PVC	Sch. 40 PVC	12/16/2004	CH2M	HS	FM	44.5	44.5	89.44	89.50	39.5	44.5	ACTIVE	S1	CH2M	5/30/2007	545,715.2800	1,484,064.9600	NAVD 88
73	OLD-OU2-41A	MW	2	0.010 PVC	Sch. 40 PVC	12/15/2004	CH2M	HS	FM	25	25	89.51	89.60	15.0	25	ACTIVE	S1	CH2M	5/30/2007	545,713.7300	1,483,906.5300	NAVD 88
74	OLD-OU2-41B	MW	2	0.010 PVC	Sch. 40 PVC	12/15/2004	CH2M	HS	FM	35	35	89.49	89.60	30.0	35	ACTIVE	S1	CH2M	5/30/2007	545,713.4800	1,483,911.8500	NAVD 88
75	OLD-OU2-42B	MW	2	0.010 PVC	Sch. 40 PVC	4/21/2005	CH2M	HS	FM	39.5	39.5	89.60	89.70	34.0	39	ACTIVE	S1	CH2M	5/30/2007	545,716.6700	1,484,296.8800	NAVD 88
76	OLD-OU2-43A	MW	2	0.010 PVC	Sch. 40 PVC	5/30/2007	CH2M	RS	FM	25.22	25.22	89.48	89.69	20.0	25	ACTIVE	S1	CH2M	5/30/2007	545,719.4650	1,484,237.0900	NAVD 88
77	OLD-OU2-43B	MW	2	0.010 PVC	Sch. 40 PVC	4/20/2005	CH2M	HS	FM	35	35	89.37	89.60	29.5	34.5	ACTIVE	S1	CH2M	5/30/2007	545,715.5900	1,484,236.9100	NAVD 88
78	OLD-OU2-44A	MW	2	0.010 PVC	Sch. 40 PVC	5/30/2007	CH2M	RS	FM	25.13	25.13	89.40	89.54	20.0	25	ACTIVE	S1	CH2M	5/30/2007	545,715.6340	1,484,040.7740	NAVD 88
79	OLD-OU2-44B	MW	2	0.010 PVC	Sch. 40 PVC	4/19/2005	CH2M	HS	FM	34.5	34.5	89.39	89.30	28.5	33.5	ACTIVE	S1	CH2M	5/30/2007	545,713.8700	1,484,038.0700	NAVD 88
80	OLD-OU2-45B	MW	2	0.010 PVC	Sch. 40 PVC	4/19/2005	CH2M	HS	FM	35	35	89.38	89.50	29.8	34.5	ACTIVE	S1	CH2M	5/30/2007	545,715.6500	1,484,012.5000	NAVD 88
81	OLD-OU2-46A	MW	2	0.010 PVC	Sch. 40 PVC	5/30/2007	CH2M	RS	FM	25.16	25.16	89.64	89.80	20.0	25	ACTIVE	S1	CH2M	5/30/2007	545,720.8930	1,484,212.0960	NAVD 88
82	OLD-OU2-46B	MW	2	0.010 PVC	Sch. 40 PVC	5/31/2007	CH2M	RS	FM	35.45	35.45	89.23	89.38	30.0	35	ACTIVE	S1	CH2M	5/31/2007	545,715.9130	1,484,212.2060	NAVD 88
83	OLD-OU2-47A	MW	2	0.010 PVC	Sch. 40 PVC	5/31/2007	CH2M	RS	FM	25.43	25.43	89.56	89.56	20.0	25	ACTIVE	S1	CH2M	5/31/2007	545,721.0360	1,484,224.8260	NAVD 88
84	OLD-OU2-47B	MW	2	0.010 PVC	Sch. 40 PVC	5/30/2007	CH2M	RS	FM	35.09	35	89.58	89.67	30.0	35	ACTIVE	S1	CH2M	5/30/2007	545,721.1080	1,484,228.5740	NAVD 88
85	OLD-OU2-48A	MW	2	0.010 PVC	Sch. 40 PVC	6/1/2007	CH2M	RS	FM	28.27	28.27	89.64	89.68	23.0	28	ACTIVE	S1	CH2M	6/1/2007	545,720.4530	1,484,051.4130	NAVD 88
86	OLD-OU2-48B	MW	2	0.010 PVC	Sch. 40 PVC	5/31/2007	CH2M	RS	FM	38.46	38.46	89.62	89.71	29.0	31	ACTIVE		CH2M	5/31/2007	545,720.5970	1,484,055.2240	NAVD 88
87	OLD-OU2-49A	MW	2	0.010 PVC	Sch. 40 PVC	5/30/2008	CH2M	RT	FM	25	25	89.60	89.66	15.0	25	ACTIVE	S1	CH2M	6/1/2007	545,656.4800	1,484,153.2200	NAVD 88
88	OLD-OU2-49B	MW	2	0.010 PVC	Sch. 40 PVC	5/20/2008	CH2M	RT	FM	35	35	89.62	89.68	25.0	35	ACTIVE	S1	CH2M	6/1/2007	545,658.3700	1,484,150.8700	NAVD 88
89	OLD-OU2-50A	MW	2	0.010 PVC	Sch. 40 PVC	6/5/2008	CH2M	RT	FM	25	25	87.52	87.45	15.0	25	ACTIVE	S1	CH2M	6/1/2007	545,703.0600	1,484,152.3207	NAVD 88
90	OLD-OU2-50B	MW	2	0.010 PVC	Sch. 40 PVC	5/20/2008	CH2M	RT	FM	33	33	87.57	87.58	23.0	33	ACTIVE	S1	CH2M	6/1/2007	545,702.6300	1,484,150.6500	NAVD 88
91	OLD-OU2-51A	MW	2	0.010 PVC	Sch. 40 PVC	5/28/2008	CH2M	RT	FM	26.5	26.5	90.79	90.66	16.5	26.5	ACTIVE	S1	CH2M	6/1/2007	545,734.4256	1,484,153.9300	NAVD 88
92	OLD-OU2-51B	MW	2	0.010 PVC	Sch. 40 PVC	5/27/2008	CH2M	RT	FM	34	34	90.72	90.54	24.0	34	ACTIVE	S1	CH2M	6/1/2007	545,734.4500	1,484,152.2700	NAVD 88
93	OLD-OU2-52A	MW	2	0.010 PVC	Sch. 40 PVC	5/29/2008	CH2M	RT	FM	25	25	88.48	88.54	15.0	25	ACTIVE	S1	CH2M	6/1/2007	545,668.7400	1,484,085.0144	NAVD 88
94	OLD-OU2-52B	MW	2	0.010 PVC	Sch. 40 PVC	5/20/2008	CH2M	RT	FM	35	35	88.46	88.53	25.0	35	ACTIVE	S1	CH2M	6/1/2007	545,666.0904	1,484,083.4400	NAVD 88
95	OLD-OU2-53A	MW	2	0.010 PVC	Sch. 40 PVC	6/4/2008	CH2M	RT	FM	25	25	88.36	88.44	15.0	25	ACTIVE	S1	CH2M	6/1/2007	545,706.7400	1,484,084.7600	NAVD 88
96	OLD-OU2-53B	MW	2	0.010 PVC	Sch. 40 PVC	5/20/2008	CH2M	RT	FM	35	35	88.31	88.05	25.0	35	ACTIVE	S1	CH2M	6/1/2007	545,705.7200	1,484,081.7400	NAVD 88
	OLD-OU2-54A	wells OLD-OU2-54A and -54B appear on some CH2M Hill maps but were not installed; used wells -18A and -18B instead																				
	OLD-OU2-54B																					
97	DP01A	MW	1.25	0.010 PVC	Sch. 40 PVC	2/13/2001	TT	HA	SU	11.00	7.5	82.68		3.5	7.5	ACTIVE				545,783.4000	1,484,691.5000	
98	DP01B	MW	1	0.010 PVC	Sch. 40 PVC	6/6/2001	TT	DPT	SU	24.80	22	83.42		17.0	22	ACTIVE				545,779.5000	1,484,692.0000	
99	DP02A	MW	1.25	0.010 PVC	Sch. 40 PVC	2/14/2001	TT	HA	SU	11.00	7.5	82.53		3.5	7.5	ACTIVE				545,983.6000	1,484,002.3000	
100	DP02B	MW	1	0.010 PVC	Sch. 40 PVC	6/6/2001	TT	DPT	SU	24.80	22	83.7		17.0	22	ACTIVE				545,780.3000	1,483,998.5000	

INJECTION WELL CONSTRUCTION DETAILS
OPERABLE UNIT 2

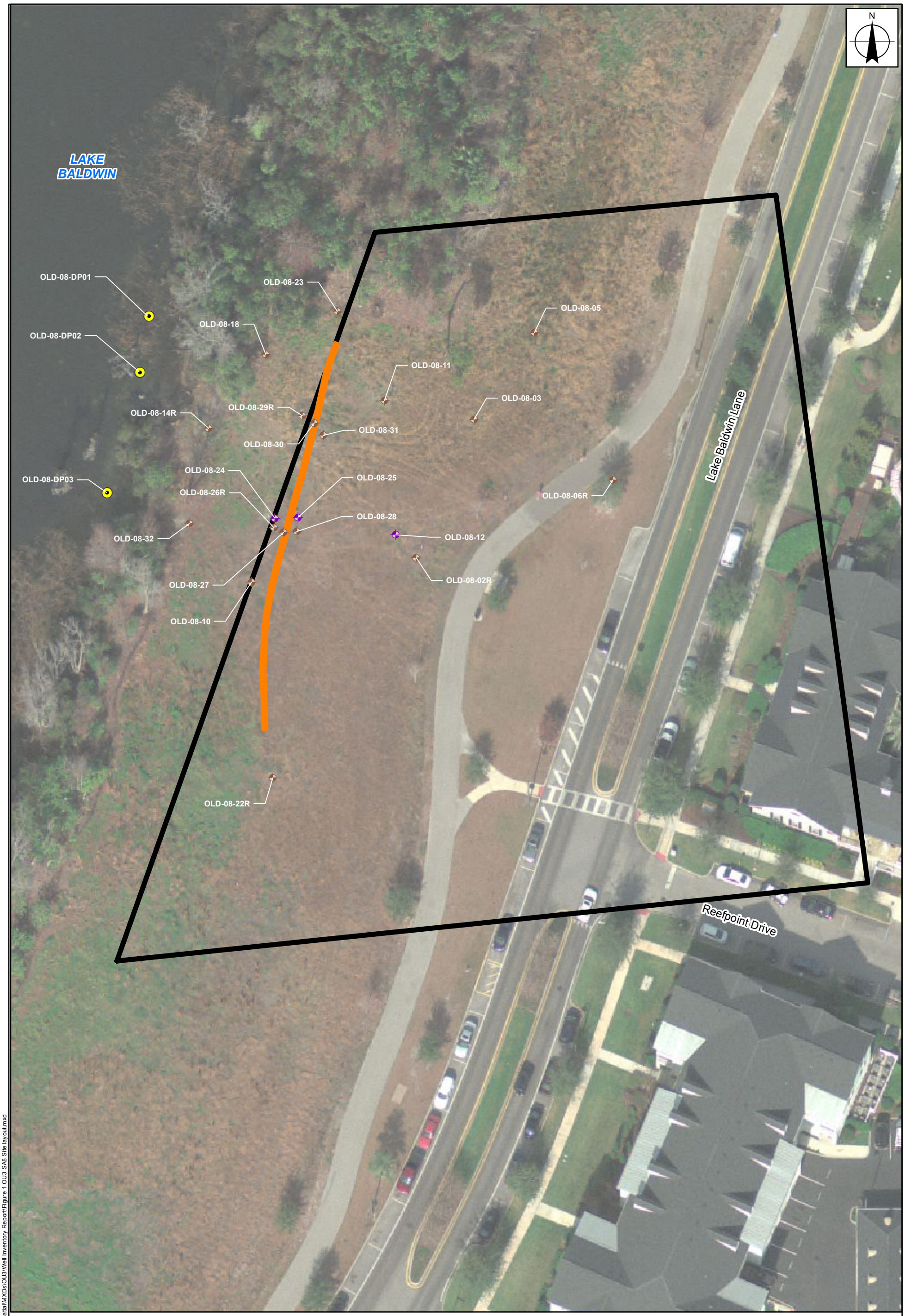
NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL DESIGNATION	TYPE	WELL INNER DIAMETER (inch)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (bgs)	TOP OF SCREEN (bgs in ft)	BOTTOM OF SCREEN (bgs in ft)	STATUS
1	IW-1	INJ											
2	IW-2B	INJ											
3	IW-3B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
4	IW-4B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	SU	35	10	35	
5	IW-5B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
6	IW-6B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	SU	35	10	35	
7	IW-7B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
8	IW-8B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	SU	35	10	35	
9	IW-9B	INJ	2	0.020 PVC	Sch. 40 PVC	11/9/2011	SIES	HS	FM	35	10	35	
10	IW-10B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	SU	35	10	35	
11	IW-11B	INJ											
12	IW-11A	INJ											
13	IW-11B	INJ											
14	IW-12A	INJ											
15	IW-12B	INJ											FOULED
16	IW-13A	INJ											
17	IW-13B	INJ											FOULED
18	IW-14A	INJ											
19	IW-14B	INJ											FOULED
20	IW-15A	INJ											
21	IW-15B	INJ											FOULED
22	IW-16A	INJ											
23	IW-16B	INJ											FOULED
24	IW-17A	INJ											
25	IW-17B	INJ											FOULED
26	IW-18A	INJ											
27	IW-18B	INJ											FOULED
28	IW-19A	INJ											
29	IW-19B	INJ											FOULED
30	IW-20A	INJ											
31	IW-20B	INJ											FOULED
32	IW-21A	INJ											
33	IW-21B	INJ											FOULED
34	IW-22A	INJ											
35	IW-22B	INJ											FOULED
36	IW-23B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
37	IW-24B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
38	IW-25B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
39	IW-26B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
40	IW-27B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
41	IW-28B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
42	IW-29B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
43	IW-30B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
44	IW-31B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
45	IW-32B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	SU	35	10	35	
46	IW-33B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	SU	35	10	35	
47	IW-34B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	SU	35	10	35	

INJECTION WELL CONSTRUCTION DETAILS
OPERABLE UNIT 2

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL DESIGNATION	TYPE	WELL INNER DIAMETER (inch)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (bgs)	TOP OF SCREEN (bgs in ft)	BOTTOM OF SCREEN (bgs in ft)	STATUS
48	IW-35B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	SU	35	10	35	
49	IW-36B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	SU	35	10	35	
50	IW-37B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	SU	35	10	35	
51	IW-38B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
52	IW-39B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
53	IW-40B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
54	IW-41B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	
55	IW-42B	INJ	2	0.020 PVC	Sch. 40 PVC	10/13/2011	SIES	HS	FM	35	10	35	



Monitoring Well

- DPT Well
- Shallow Well
- Deep Well

Permeable Adsorptive Barrier

Study Area 8

0 20 40 80 Feet

Basemap Sources: Esri World Imagery
http://services.arcgisonline.com/arcgis/services/World_Imagery
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Orange County GIS

FIGURE 1
SITE LAYOUT/WELL LOCATION MAP
Operable Unit 3 - Study Area 8
Main Base
Orlando, Florida

NAVFAC Naval Facilities Engineering Command
RESOLUTION CONSULTANTS

REQUESTED BY: M. Sweeney	DATE: 5/29/2014
DRAWN BY: M. Martin	TASK ORDER NUMBER: JM42

L:\projects\Navy CLEAN\NTC Orlando\9.0_Geospatial\MXDs\OU3\Well Inventory Report\Figure 1 OU3 SA8 Site layout.mxd

WELL CONSTRUCTION DETAILS
OPERABLE UNIT 3 - STUDY AREA 8

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL DESIGNATION	STATUS	TYPE	WELL INNER DIAMETER	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
	OLD-08-01	DESTROYED	MW	2			9/1/1994					13.5	93.32	91.32	3	13				554,341.93	1,540,020.11	
	OLD-08-02	DESTROYED	MW	2			8/31/1994					13.5	96.63		3	13				554,297.14	1,540,039.59	
1	OLD-08-02R	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	10/31/2006	NDS	JD	FM	12	12.28	93.82	94.10	2	12	S1	BSA	5/15/2008	554,296.20	1,540,035.63	NAVD 88
2	OLD-08-03	ACTIVE	MW	2	0.010 PVC	PVC Sch 40	8/31/1994	ABB	HS	FM	13.5	13.74	93.16	93.40	3	13	S1	BSA	5/15/2008	554,322.26	1,540,097.85	NAVD 88
	OLD-08-04	DESTROYED	MW	2			9/1/1994					13.50	94.62		3	15				554,322.29	1,540,097.87	
3	OLD-08-05	ACTIVE	MW	0.5	0.010 PVC	PVC Sch 80	10/8/1997	HLA	DP	FM	10	10.46	92.34	92.80	1	10	S1	BSA	5/15/2008	554,349.54	1,540,137.02	NAVD 88
	OLD-08-06	DESTROYED	MW	0.5			10/8/1997					10.00	95.06		1	10				554,391.61	1,540,067.94	
4	OLD-08-06R	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	10/31/2006	NDS	JD	FM	14	13.91	95.89	95.80	4	14	S1	BSA	5/15/2008	554,384.82	1,540,070.56	NAVD 88
	OLD-08-07	DESTROYED	MW	0.5			10/8/1997					10.00			1	10				554,389.53	1,539,996.34	
	OLD-08-08	DESTROYED	MW	0.5			10/8/1997					10.00	95.22		1	10				554,324.39	1,539,959.47	
	OLD-08-09	ABANDONED	MW	0.5			10/8/1997					10.00			1	10				554,207.48	1,539,965.99	
5	OLD-08-10	ACTIVE	MW	0.5	0.010 PVC	PVC Sch 80	10/10/1997	HLA	DP	FM	10	10.39	91.61	92.00	1	10	S1	BSA	5/15/2008	554,221.99	1,540,024.44	NAVD 88
6	OLD-08-11	ACTIVE	MW	0.5	0.010 PVC	PVC Sch 80	10/10/1997	HLA	DP	FM	10	10.40	92.60	93.00	1	10	S1	BSA	5/15/2008	554,281.93	1,540,106.33	NAVD 88
7	OLD-08-12	ACTIVE	MW	0.5	0.010 PVC	PVC Sch 80	10/9/1997	HLA	DP	FM	29	29.54	93.16	93.70	23	29	S1	BSA	5/15/2008	554,286.95	1,540,045.88	NAVD 88
	OLD-08-13	DESTROYED	WELL POINT	0.5			11/24/1997					7.13	98.98		1.13	7.13				554,194.55	1,540,049.19	
	OLD-08-14	DESTROYED	WELL POINT	0.5			11/24/1997					7.23	97.12		1.12	7.12				554,203.83	1,540,096.87	
8	OLD-08-14R	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	10/31/2006	NDS	JD	FM	12	12.24	91.56	91.80	2	12	S1	BSA	5/15/2008	554,202.68	1,540,093.90	NAVD 88
	OLD-08-15	DESTROYED	WELL POINT				11/24/1997					7.23	96.14		1.22	7.22				554,252.41	1,540,153.55	
	OLD-08-16	DESTROYED	MICROWELL				2/4/1998					10.00			1.00	10.00				554,490.99	1,539,979.03	
	OLD-08-17	DESTROYED	MICROWELL				2/4/1998					9.90	94.92		0.90	9.90				554,307.31	1,539,911.32	
9	OLD-08-18	ACTIVE	MW	0.5	0.010 PVC	PVC Sch 40	2/6/1998	HLA	DP	SU	14	10.86	94.14	91.00	2	11	S1	BSA	5/15/2008	554,228.48	1,540,127.23	NAVD 88
	OLD-08-19	DESTROYED	MICROWELL	0.5																		
	OLD-08-20	DESTROYED	MICROWELL	0.5																		
	OLD-08-21	DESTROYED	MICROWELL	0.5																		
	OLD-08-22	DESTROYED	MW				4/9/2002															
10	OLD-08-22R	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	12/2005	NDS	JD	FM	12	12.20	93.40	93.60	2	12	S1	BSA	5/15/2008	554,231.62	1,539,936.38	NAVD 88
11	OLD-08-23	ACTIVE	MW	1	0.010 PVC	PVC Sch 40	4/8/2002	TT	DP	FM	12	11.96	91.84	91.80	7	12	S1	BSA	5/15/2008	554,260.71	1,540,146.57	NAVD 88
12	OLD-08-24	ACTIVE	MW	1	0.010 PVC	PVC Sch 40	4/9/2002	TT	DP	FM	31	31.09	92.71	92.80	26	31	S1	BSA	5/15/2008	554,232.60	1,540,053.27	NAVD 88
13	OLD-08-25	ACTIVE	MW	1	0.010 PVC	PVC Sch 40	4/9/2002	TT	DP	FM	31	31.26	92.84	93.10	26	31	S1	BSA	5/15/2008	554,243.01	1,540,053.75	NAVD 88
	OLD-08-26	DESTROYED	MW	1			4/9/2002						92.84		8	13						
14	OLD-08-26R	ACTIVE	MW	1	0.010 PVC	PVC Sch 40	12/30/2011	TT	HA	FM	13	12.79	92.18	92.39	8	13	S1	TT	8/10/2012	554,232.18	1,540,049.03	NAVD 88
15	OLD-08-27	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	4/9/2002	TT	DP	FM	13	13.05	92.75	92.80	8	13	S1	BSA	5/15/2008	554,236.38	1,540,046.89	NAVD 88
16	OLD-08-28	ACTIVE	MW	1	0.010 PVC	PVC Sch 40	4/9/2002	TT	DP	FM	13	12.58	92.82	92.40	8	13	S1	BSA	5/15/2008	554,242.48	1,540,047.32	NAVD 88
	OLD-08-29	DESTROYED	MW	1			4/9/2002							92.59	8	13						
17	OLD-08-29R	ACTIVE	MW	1	0.010 PVC	PVC Sch 40	12/30/2011	TT	HA	FM	13	12.68	92.59	92.29	8	13	S1	TT	8/10/2012	554,245.03	1,540,099.50	NAVD 88
18	OLD-08-30	ACTIVE	MW	1	0.010 PVC	PVC Sch 40	4/9/2002	TT	DP	FM	13	13.12	92.62	92.74	8	13	S1	BSA	5/15/2008	554,250.28	1,540,096.19	NAVD 88
19	OLD-08-31	ACTIVE	MW	1	0.010 PVC	PVC Sch 40	4/9/2002	TT	DP	FM	13	12.55	92.65	92.20	8	13	S1	BSA	5/15/2008	554,254.47	1,540,090.70	NAVD 88
20	OLD-08-32	ACTIVE	MW	0.75	0.010 PVC	PVC Sch 40	6/25/2002	TT	HA	SU	14	11.89	93.41	91.30	1	11	S1	BSA	5/15/2008	554,194.09	1,540,050.84	NAVD 88
21	OLD-08-DP01	ACTIVE	MW	1.25	stainless steel	galvanized steel	7/11/2012	TT	DPT	SU	10	4.50	93.04	88.18	0.5	3.5	S1	TT	7/27/2012	554,175.93	1,540,144.36	NAVD 88
22	OLD-08-DP02	ACTIVE	MW	1.25	stainless steel	galvanized steel	7/11/2012	TT	DPT	SU	10	4.50	92.93	88.20	0.5	3.5	S1	TT	7/27/2012	554,171.75	1,540,118.98	NAVD 88
23	OLD-08-DP03	ACTIVE	MW	1.25	stainless steel	galvanized steel	7/11/2012	TT	DPT	SU	10	4.50	94.08	88.30	0.5	3.5	S1	TT	7/27/2012	554,156.93	1,540,064.80	NAVD 88

Permeable Adsorptive Barrier

Study Area 9 Boundary

Monitoring Wells

Shallow Monitoring Well

Deep Monitoring Well

0 20 40 80 Feet

1 inch = 40 feet

Basemap Sources: Esri World Imagery
http://services.arcgisonline.com/arcgis/services/World_Imagery
© 2011 Esri, i-cubed, USDA FSA, USGS, AEX, GeoEye, AeroGRID, Getmapping, IGP
Orange County GIS

FIGURE 2
SITE LAYOUT/WELL LOCATION MAP
Operable Unit 3 - Study Area 9
Main Base
Orlando, Florida

NAVFAC Naval Facilities Engineering Command

RESOLUTION CONSULTANTS

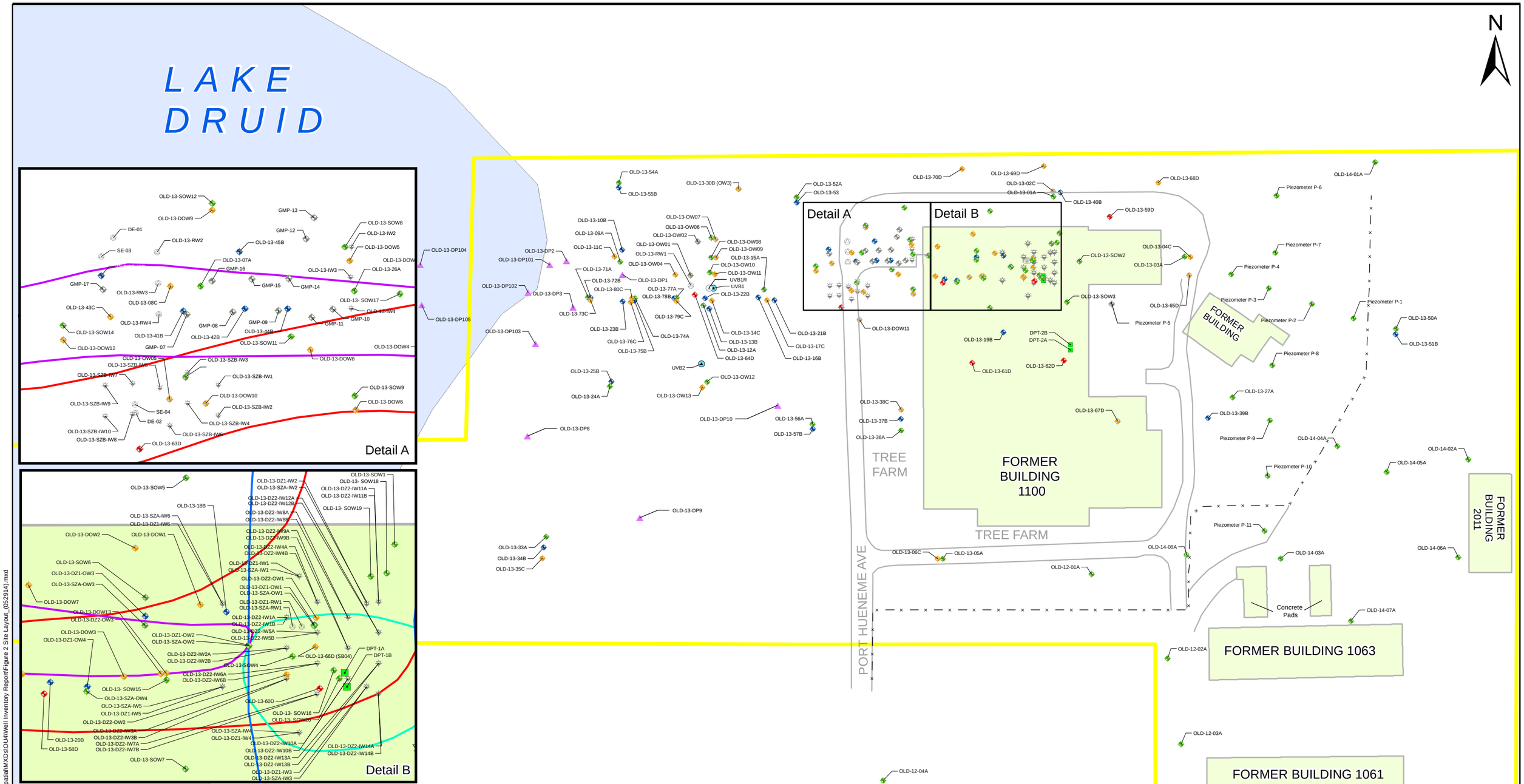
REQUESTED BY: OggeriD	DATE: 5/29/2014
DRAWN BY: MartinM	TASK ORDER NUMBER: JM42

L:\projects\Navy CLEAN\NTC Orlando\9.0_Geospatial\MXDs\OU3\Well Inventory Report\Figure 2 OU3 SA9 Site layout_052914.mxd

WELL CONSTRUCTION DETAILS
OPERABLE UNIT 3 - STUDY AREA 9

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL DESIGNATION	STATUS	TYPE	WELL INNER DIAMETER	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (bgs in ft)	BOTTOM OF SCREEN (bgs in ft)	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
1	OLD-09-01	ACTIVE	MW	2	0.010 PVC	PVC Sch 40	8/30/1994	ABB	HS	FM	13	13.30	93.50	93.8	3	13	S1	BSA	5/15/2008	553,787.07	1,539,392.05	NAVD 88
	OLD-09-02	DESTROYED																		553,819.83	1,539,271.28	
	OLD-09-03	DESTROYED																		553,746.31	1,539,333.32	
2	OLD-09-03R	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	12/1/2005	NDS	JD	FM	12	12.10	94.40	94.5	2	12	S1	BSA	5/15/2008	553,741.94	1,539,332.59	NAVD 88
	OLD-09-04	DESTROYED											95.88		7	12						
3	OLD-09-04R	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	10/31/2006	NDS	JD	FM	12	12.44	93.76	94.2	2	12	S1	BSA	5/15/2008	553,846.98	1,539,362.33	NAVD 88
4	OLD-09-05	ACTIVE	MW	0.5	0.010 PVC	PVC Sch 40	10/6/1997	HLA	DP	FM	10	10.19	92.91	93.1	1	10	S1	BSA	5/15/2008	553,802.37	1,539,417.58	NAVD 88
5	OLD-09-06	ACTIVE	MW	0.5	0.010 PVC	PVC Sch 40	10/6/1997	HLA	DP	FM	10	10.50	92.50	93.0	1	10	S1	BSA	5/15/2008	553,852.36	1,539,407.08	NAVD 88
	OLD-09-07	DESTROYED																		553,877.06	1,539,278.62	
	OLD-09-08	DESTROYED																		553,777.71	1,539,260.00	
6	OLD-09-09	ACTIVE	MW	0.5	0.010 PVC	PVC Sch 40	10/6/1997	HLA	DP	FM	10	10.53	93.77	94.3	1	10	S1	BSA	5/15/2008	553,710.68	1,539,324.41	NAVD 88
7	OLD-09-10	ACTIVE	MW	0.5	0.010 PVC	PVC Sch 40	10/7/1997	HLA	DP	FM	10	10.34	93.26	93.6	1	10	S1	BSA	5/15/2008	553,726.03	1,539,384.30	NAVD 88
8	OLD-09-11	ACTIVE	MW	0.5	0.010 PVC	PVC Sch 40	10/7/1997	HLA	DP	FM	10	10.00	93.68	93.9	1	10	S1	BSA	5/15/2008	553,811.98	1,539,363.31	NAVD 88
	OLD-09-12	DESTROYED																		553,834.31	1,539,331.72	
9	OLD-09-12R	ACTIVE	MW	2	0.010 PVC	PVC Sch 40	10/28/2004	NDS	HS	SU	13	10.00	98.16	95.6	5	10	S1	BSA	5/15/2008	553,847.12	1,539,339.17	NAVD 88
10	OLD-09-13	ACTIVE	MW	0.5	0.010 PVC	PVC Sch 40	10/7/1997	HLA	DP	FM	29	29.48	93.52	94.0	23	29	S1	BSA	5/15/2008	553,841.00	1,539,368.99	NAVD 88
11	OLD-09-14	ACTIVE	MW	0.5	0.010 PVC	PVC Sch 40	11/25/1997	HLA	DP	SU	11	7.24	95.97	92.2	1.4	7.4	S1	BSA	5/15/2008	553,686.57	1,539,449.52	NAVD 88
12	OLD-09-15	ACTIVE	MW	0.5	0.010 PVC	PVC Sch 40	11/25/1997	HLA	DP	SU	11	7.05	95.46	91.5	1.2	7.2	S1	BSA	5/15/2008	553,733.27	1,539,487.01	NAVD 88
13	OLD-09-16	ACTIVE	MW	0.5	0.010 PVC	PVC Sch 40	11/25/1997	HLA	DP	SU	11	7.13	95.48	91.6	1.1	7.1	S1	BSA	5/15/2008	553,768.88	1,539,520.45	NAVD 88
	OLD-09-17	DESTROYED																		553,896.71	1,539,359.09	
14	OLD-09-17R	ACTIVE	MW	2	0.010 PVC	PVC Sch 40	10/28/2004	NDS	HS	SU	13	10.00	97.17	95.5	5	10	S1	BSA	5/15/2008	553,895.59	1,539,379.27	NAVD 88
15	OLD-09-18	ACTIVE	MW	0.5	0.010 PVC	PVC Sch 40	2/5/1998	HLA	DP	FM	30	30.28	93.42	93.7	23.64	29.64	S1	BSA	5/15/2008	553,790.72	1,539,392.97	NAVD 88
16	OLD-09-19	ACTIVE	MW	2	0.010 PVC	PVC Sch 40	7/30/1999	TT	HS	FM	31	30.28	94.42	93.7	25.5	31	S1	BSA	5/15/2008	553,795.62	1,539,393.37	NAVD 88
	OLD-09-20	DESTROYED	MW																			
17	OLD-09-20R	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	12/2005	NDS	JD	FM	12	12.18	92.52	92.7	2	12	S1	BSA	5/15/2008	553,743.87	1,539,418.78	NAVD 88
18	OLD-09-21	ACTIVE	MW	1	0.010 PVC	PVC Sch 40	4/8/2002	TT	DP	FM	13	12.94	92.96	92.9	8	13	S1	BSA	5/15/2008	553,789.22	1,539,456.34	NAVD 88
19	OLD-09-22	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	4/8/2002	TT	DP	FM	13	13.01	92.99	93.0	8	13	S1	BSA	5/15/2008	553,793.28	1,539,451.48	NAVD 88
	OLD-09-23	DESTROYED																				
20	OLD-09-23R	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	12/2005	NDS	JD	FM	12	12.17	93.03	93.2	2	12	S1	BSA	5/15/2008	553,798.46	1,539,446.93	NAVD 88
21	OLD-09-24	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	4/8/2002	TT	DP	FM	13	13.19	92.81	93.0	8	13	S1	BSA	5/15/2008	553,838.75	1,539,467.45	NAVD 88
22	OLD-09-25	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	4/8/2002	TT	DP	FM	31	31.14	93.26	93.4	26	31	S1	BSA	5/15/2008	553,844.10	1,539,466.95	NAVD 88
23	OLD-09-26	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	4/8/2002	TT	DP	FM	13	13.17	92.93	93.1	8	13	S1	BSA	5/15/2008	553,838.58	1,539,461.84	NAVD 88
24	OLD-09-27	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	4/8/2002	TT	DP	FM	31	31.14	93.06	93.2	26	31	S1	BSA	5/15/2008	553,844.81	1,539,455.74	NAVD 88
25	OLD-09-28	ACTIVE	MW	1	0.010 PVC	PVC Sch 40	4/8/2002	TT	DP	FM	13	12.91	92.99	92.9	8	13	S1	BSA	5/15/2008	553,838.07	1,539,456.53	NAVD 88
26	OLD-09-29	ACTIVE	MW	1	0.010 PVC	PVC Sch 40	4/8/2002	TT	DP	FM	12	12.09	93.31	93.4	7	12	S1	BSA	5/15/2008	553,896.38	1,539,447.93	NAVD 88
27	OLD-09-30	ACTIVE	MW	1	0.010 PVC	PVC Sch 40	4/9/2002	TT	DP	FM	12	12.43	92.97	93.4	7	12	S1	BSA	5/15/2008	553,911.59	1,539,432.97	NAVD 88



Legend

- Edge of pavement
- Fence Line
- Operable Unit 4 Boundary
- Former Building

Active Wells

- Zone A - Shallow
- Zone B - Intermediate
- Zone C - Deep
- Zone D - Hawthorne
- UVB Well
- Drive Point
- DPT Well

Wells Abandoned or Destroyed

- Monitoring Well Abandoned or Destroyed
- UVB Well Abandoned
- Abandoned Extraction/Recovery Well
- Abandoned Injection Well

0 90 180 360 Feet

1 inch = 90 feet

Note:
Monitoring Well OLD-17-53 is a multi-chamber well screened in zones B1, B2, C1 and C2.

FIGURE 1
WELL LOCATION MAP
Operable Unit 4
NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

NAVFAC Naval Facilities Engineering Command
RESOLUTION CONSULTANTS

REQUESTED BY: M. Sweeney	DATE: 5/30/2014
DRAWN BY: M. Martin	TASK ORDER NUMBER: JM42

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MONITORING WELL SUMMARY
OPERABLE UNIT 4

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL DESIGNATION	WELL ALIAS	TYPE	WELL DIAMETER (inch)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	Installed By	Drilling Method	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	STATUS	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
1	DPT-1A	OLD-13-DPT-1A	DPT	2	0.010 PVC Pre Pack	Sch 80 PVC	6/5/2004	CH2M	DPT	SU	61.83	59.4	113.63	111.20	56.9	59.4	ACTIVE	S1	CH2M	7/7/2004	545,019.89	1,536,831.99	NGVD 29
2	DPT-1B		DPT	2	0.010 PVC Pre Pack	Sch 80 PVC	6/5/2004	CH2M	DPT	SU	81.52	78.9	113.75	111.13	76.4	78.9	ACTIVE	S1	CH2M	7/7/2004	545,020.61	1,536,827.42	NGVD 29
3	DPT-2A	OLD-13-DPT-2A	DPT	2	0.010 PVC Pre Pack	Sch 80 PVC	6/5/2004	CH2M	DPT	SU	62.23	59.5	113.93	111.20	57.5	59.5	ACTIVE	S1	CH2M	7/7/2004	545,046.82	1,536,759.56	NGVD 29
4	DPT-2B	OLD-13-DPT-2B	DPT	2	0.010 PVC Pre Pack	Sch 80 PVC	6/6/2004	CH2M	DPT	SU	83.13	81	113.35	111.22	78.5	81	ACTIVE	S1	CH2M	7/7/2004	545,046.73	1,536,764.47	NGVD 29
5	OLD-12-01A	OLD-12-01	MW	2	Sch 40 PVC	Sch 40 PVC	2/27/1995	ABB	HS	FM	16.42	16	109.98*	110.55	5	15	ACTIVE	S1	CH2M	2/27/1995	545,067.55	1,536,540.37	NGVD 29
6	OLD-12-02A	OLD-12-02	MW	2	Sch 40 PVC	Sch 40 PVC	2/27/1995	ABB	HS	FM	16.75	16	111.84*	112.15	5	15	ACTIVE	S1	CH2M	2/27/1995	545,142.02	1,536,458.19	NGVD 29
7	OLD-12-03A	OLD-12-03	MW	2	Sch 40 PVC	Sch 40 PVC	2/28/1995	ABB	HS	FM	16.80	16	112.30*	112.54	5	15	ACTIVE	S1	CH2M	2/28/1995	545,155.13	1,536,374.17	NGVD 29
8	OLD-12-04A	OLD-12-04	MW	2	Sch 40 PVC	Sch 40 PVC	2/25/1995	ABB	HS	FM	16.77	16	111.42*	111.70	5	15	ACTIVE	S1	CH2M	2/25/1995	544,863.50	1,536,338.97	NGVD 29
9	OLD-13-01A	OLD-13-01	MW	2	Sch 40 PVC	Sch 40 PVC	2/26/1995	ABB	HS	FM	16.71	16	109.20*	109.51	5	15	ACTIVE	S1	CH2M	2/28/1995	545,030.16	1,536,909.45	NGVD 29
10	OLD-13-02C	OLD-13-02	MW	2	Sch 40 PVC	Sch 40 PVC	3/28/1995	ABB	HS	FM	64.62	64	108.87*	109.28	57	62	ACTIVE	S1	CH2M	3/28/1995	545,029.80	1,536,914.63	NGVD 29
11	OLD-13-03A	OLD-13-03	MW	2	Sch 40 PVC	Sch 40 PVC	4/3/1995	ABB	HS	FM	15.29	14.5	110.81*	111.09	4	14	ACTIVE	S1	CH2M	4/30/1995	545,158.64	1,536,850.59	NGVD 29
12	OLD-13-04C	OLD-13-04	MW	2	Sch 40 PVC	Sch 40 PVC	4/3/1995	ABB	HS	FM	66.72	66	110.86*	111.11	59	64	ACTIVE	S1	CH2M	3/31/1995	545,164.43	1,536,850.16	NGVD 29
13	OLD-13-05A	OLD-13-05	MW	2	Sch 40 PVC	Sch 40 PVC	2/26/1995	ABB	HS	FM	16.73	16	109.16*	109.47	5	15	ACTIVE	S1	CH2M	2/26/1995	544,921.84	1,536,555.29	NGVD 29
14	OLD-13-06C	OLD-13-06	MW	2	Sch 40 PVC	Sch 40 PVC	3/24/1995	ABB	HS	FM	58.53	58	108.94*	109.45	52	57	ACTIVE	S1	CH2M	3/29/1995	544,916.83	1,536,555.56	NGVD 29
15	OLD-13-07A	OLD-13-07	MW	2	Sch 40 PVC	Sch 40 PVC	4/3/1995	ABB	HS	FM	19.67	19	107.69*	108.04	3.5	18.5	ACTIVE	S1	CH2M	4/3/1995	544,842.57	1,536,854.63	NGVD 29
16	OLD-13-08C	OLD-13-08	MW	2	Sch 40 PVC	Sch 40 PVC	3/30/1995	ABB	HS	FM	64.74	64	107.64*	107.93	57	62	ACTIVE	S1	CH2M	3/30/1995	544,832.75	1,536,854.58	NGVD 29
17	OLD-13-09A	OLD-13-09	MW	2	Sch 40 PVC	Sch 40 PVC	5/31/1996	ABB	HS	SU	14.08	11	104.99*	102.91	1	11	ACTIVE	S1	CH2M		544,605.89	1,536,845.69	NGVD 29
18	OLD-13-10B	OLD-13-10	MW	2	Sch 40 PVC	Sch 40 PVC	6/2/1996	ABB	HS	SU	24.27	21	104.89*	102.60	16	21	ACTIVE	S1	CH2M		544,607.95	1,536,857.37	NGVD 29
19	OLD-13-11C	OLD-13-11	MW	2	Sch 40 PVC	Sch 40 PVC	6/2/1996	ABB	HS	SU	65.54	62	104.96*	102.44	57	62	ACTIVE	S1	CH2M		544,600.52	1,536,850.67	NGVD 29
20	OLD-13-12A	OLD-13-12	MW	2	Sch 40 PVC	Sch 40 PVC	6/4/1996	ABB	HS	SU	14.33	11.5	106.18*	104.34	1.5	11.5	ACTIVE	S1	CH2M		544,687.41	1,536,803.34	NGVD 29
21	OLD-13-13B	OLD-13-13	MW	2	Sch 40 PVC	Sch 40 PVC	6/4/1996	ABB	HS	SU	24.23	21	106.67*	104.46	16	21	ACTIVE	S1	CH2M		544,693.11	1,536,799.83	NGVD 29
22	OLD-13-14C	OLD-13-14	MW	2	Sch 40 PVC	Sch 40 PVC	6/4/1996	ABB	HS	SU	65.72	62	106.93*	104.21	57	62	ACTIVE	S1	CH2M		544,695.82	1,536,807.66	NGVD 29
23	OLD-13-15A		MW	2	Sch 40 PVC	Sch 40 PVC	8/8/1996	ABB	HS	SU	15.67	12.5	107.73*	105.57	2.5	12.5	ACTIVE	S1	CH2M		544,746.72	1,536,818.79	NGVD 29
24	OLD-13-16B		MW	2	Sch 40 PVC	Sch 40 PVC	8/8/1996	ABB	HS	SU	26.42	23	107.95*	105.53	18	23	ACTIVE	S1	CH2M		544,741.05	1,536,811.01	NGVD 29
25	OLD-13-17C		MW	2	Sch 40 PVC	Sch 40 PVC	8/9/1996	ABB	HS	SU	66.63	63	108.09*	105.45	58	63	ACTIVE	S1	CH2M		544,749.68	1,536,808.30	NGVD 29
26	OLD-13-18B		MW	½" µwell	Sch 40 PVC	Sch 40 PVC	3/14/1997	ABB	TP	FM	32.62	31.5	111.72*	111.60	25.5	31.5	ACTIVE	S1	CH2M		544,981.30	1,536,851.81	NGVD 29
27	OLD-13-19B		MW	½" µwell	Sch 40 PVC	Sch 40 PVC	3/14/1997	ABB	TP	FM	21.62	20.5	111.74*	111.62	14.5	20.5	ACTIVE	S1	CH2M		544,981.07	1,536,776.73	NGVD 29
28	OLD-13-20B		MW	½" µwell	Sch 40 PVC	Sch 40 PVC	3/14/1997	ABB	TP	FM	20.32	20	110.45*	111.13	14	20	ACTIVE	S1	CH2M		544,923.75	1,536,828.89	NGVD 29
29	OLD-13-21B		MW	2	Sch 40 PVC	Sch 40 PVC	11/14/1997	ABB	HS	SU	35.00	32	107.68*	106.19	27	32	ACTIVE	S1	CH2M		544,756.79	1,536,808.45	NGVD 29
30	OLD-13-22B		MW	2	Sch 40 PVC	Sch 40 PVC	11/21/1997	ABB	HS	SU	34.90	32.5	106.04*	104.60	27	32	ACTIVE	S1	CH2M		544,689.10	1,536,809.98	NGVD 29
31	OLD-13-23B		MW	2	Sch 40 PVC	Sch 40 PVC	11/13/1997	ABB	HS	SU	33.90	31.5	105.35*	103.96	26	31	ACTIVE	S1	BSA	5/7/2008	544,608.52	1,536,807.02	NGVD 29
32	OLD-13-24A		MW	2	Sch 40 PVC	Sch 40 PVC	11/18/1997	ABB	HS	SU	15.20	13	105.85*	104.55	2.7	12.7	ACTIVE	S1	CH2M		544,595.85	1,536,724.20	NGVD 29
33	OLD-13-25B		MW	2	Sch 40 PVC	Sch 40 PVC	11/18/1997	ABB	HS	SU	25.30	23.8	106.01*	104.59	18.5	23.5	ACTIVE	S1	CH2M		544,597.42	1,536,728.65	NGVD 29
34	OLD-13-26A		MW	½" µwell	Sch 80 PVC	Sch 40 PVC	6/27/1997	ABB	TP	FM	13.78	13	108.50*	108.75	7	13	ACTIVE	S1	CH2M		544,892.74	1,536,853.02	NGVD 29
35	OLD-13-27A		MW	½" µwell	Sch 80 PVC	Sch 40 PVC	11/4/1997	ABB	TP	FM	16.23	15.5	111.90*	112.18	6.5	15.5	ACTIVE	S1	CH2M		545,205.64	1,536,713.42	NGVD 29

MONITORING WELL SUMMARY
OPERABLE UNIT 4

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL DESIGNATION	WELL ALIAS	TYPE	WELL DIAMETER (inch)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	Installed By	Drilling Method	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	STATUS	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
36	OLD-13-33A	OLD-13-33	MW	2	Sch 40 PVC	Sch 40 PVC	12/17/1997	ABB	RD	FM	12.5	13	107.32*	107.85	2.5	12.5	ACTIVE	S1	CH2M		544,533.60	1,536,577.02	NGVD 29
37	OLD-13-34B	OLD-13-34	MW	2	Sch 40 PVC	Sch 40 PVC	12/17/1997	ABB	RD	FM	25	25	107.26*	108.27	20	25	ACTIVE	S1	CH2M		544,531.17	1,536,566.65	NGVD 29
38	OLD-13-35C	OLD-13-35	MW	2	Sch 40 PVC	Sch 40 PVC	12/17/1997	ABB	RD	FM	56	56	107.34*	108.34	51	56	ACTIVE	S1	CH2M		544,529.85	1,536,556.15	NGVD 29
39	OLD-13-36A	OLD-13-36	MW	2	Sch 40 PVC	Sch 40 PVC	12/13/1997	ABB	RD	SU		15	112.46*		4	14	ACTIVE	S1	CH2M		544,881.00	1,536,680.95	NGVD 29
40	OLD-13-37B	OLD-13-37	MW	2	Sch 40 PVC	Sch 40 PVC	12/13/1997	ABB	RD	SU		26	112.50*		20	25	ACTIVE	S1	CH2M		544,880.86	1,536,692.01	NGVD 29
41	OLD-13-38C	OLD-13-38	MW	2	Sch 40 PVC	Sch 40 PVC	12/13/1997	ABB	RD	SU		65	112.46*		50	55	ACTIVE	S1	CH2M		544,881.11	1,536,701.15	NGVD 29
42	OLD-13-39B	OLD-13-39	MW	2	Sch 40 PVC	Sch 40 PVC	12/15/1997	ABB	RD	SU		25	114.67*		20	25	ACTIVE	S1	CH2M		545,181.64	1,536,693.06	NGVD 29
43	OLD-13-40B	OLD-13-40	MW	2	Sch 40 PVC	Sch 40 PVC	12/15/1997	ABB	RD	FM	25	25	109.02*	110.3	20	25	ACTIVE	S1	CH2M		545,036.88	1,536,913.59	NGVD 29
44	OLD-13-41B	OLD-13-41	MW	2	Sch 40 PVC	Sch 40 PVC	12/14/1997	ABB	RD	FM	27.71	28	107.60*	108.90	23	28	ACTIVE	S1	CH2M		544,836.96	1,536,846.43	NGVD 29
45	OLD-13-42B	OLD-13-42	MW	2	Sch 40 PVC	Sch 40 PVC	12/14/1997	ABB	RD	FM	27.70	28	107.81*	109.12	23	28	ACTIVE	S1	CH2M		544,857.07	1,536,847.26	NGVD 29
46	OLD-13-43C	OLD-13-43	MW	2	Sch 40 PVC	Sch 40 PVC	12/14/1997	ABB	RD	FM		50	106.99*		45	50	ACTIVE	S1	CH2M		544,813.17	1,536,844.49	NGVD 29
47	OLD-13-44B		MW	2	Sch 40 PVC	Sch 40 PVC	11/1/1999	ABB	RD	FM	29.67	30	107.95*	109.31	20	30	ACTIVE	S1	CH2M		544,871.00	1,536,847.20	NGVD 29
48	OLD-13-45B		MW	2	Sch 40 PVC	Sch 40 PVC	11/1/1999	ABB	RD	FM	29.86	30	108.00*	109.27	20	30	ACTIVE	S1	CH2M		544,855.20	1,536,865.80	NGVD 29
49	OLD-13-46B		MW	2	Sch 40 PVC	Sch 40 PVC	11/1/1999	ABB	RD	FM	29.86	30	107.48*	108.78	20	30	ACTIVE	S1	CH2M		544,810.10	1,536,857.90	NGVD 29
50	OLD-13-50A		MW	2	Sch 40 PVC	Sch 40 PVC	5/29/2002	CH2M	HS	SU	21.78	19	114.98*	111.20	4	19	ACTIVE	S1	CH2M	7/23/2002	545,365.49	1,536,780.33	NGVD 29
51	OLD-13-51B		MW	2	Sch 40 PVC	Sch 40 PVC	5/30/2002	CH2M	HS	SU	55.04	52	115.24*	111.20	32	52	ACTIVE	S1	CH2M	7/23/2002	545,365.16	1,536,775.03	NGVD 29
52	OLD-13-52A		MW	2	Sch 40 PVC	Sch 40 PVC	6/1/2002	CH2M	HS	SU	22.20	19	109.90	106.70	4	19	ACTIVE	S1	CH2M	7/23/2002	544,778.77	1,536,908.95	NGVD 29
53	OLD-13-53B		MW	2	Sch 40 PVC	Sch 40 PVC	6/1/2002	CH2M	HS	SU	55.26	52	109.96	106.70	32	52	ACTIVE	S1	CH2M	7/23/2002	544,778.98	1,536,903.58	NGVD 29
54	OLD-13-54A		MW	2	Sch 40 PVC	Sch 40 PVC	6/1/2002	CH2M	HS	SU	18.95	16	106.15	103.20	3	16	ACTIVE	S1	CH2M	7/23/2002	544,604.71	1,536,922.90	NGVD 29
55	OLD-13-55B		MW	2	Sch 40 PVC	Sch 40 PVC	6/1/2002	CH2M	HS	SU	47.75	45	105.65	102.90	25	45	ACTIVE	S1	CH2M	7/23/2002	544,604.71	1,536,918.26	NGVD 29
56	OLD-13-56A		MW	2	Sch 40 PVC	Sch 40 PVC	5/31/2002	CH2M	HS	SU	19.80	17	110.00	107.20	3	17	ACTIVE	S1	CH2M	7/23/2002	544,794.41	1,536,687.16	NGVD 29
57	OLD-13-57B		MW	2	Sch 40 PVC	Sch 40 PVC	5/31/2002	CH2M	HS	SU	55.17	48	110.07*		26	48	ACTIVE	S1	CH2M	7/23/2002	544,794.62	1,536,682.33	NGVD 29
58	OLD-13-58D		MW	2	Sch 40 PVC	Sch 40 PVC	10/6/2004	CH2M	RD	SU	113.46	111	112.67	110.21	100.5	110.5	ACTIVE	S1	CH2M	10/6/2004	544,921.78	1,536,825.03	NGVD 29
59	OLD-13-59D		MW	2	Sch 40 PVC	Sch 40 PVC	10/12/2004	CH2M	RD	FM	109.83	110	110.33	110.5	100	110	ACTIVE	S1	CH2M	10/12/2004	545,085.34	1,536,889.82	NGVD 29
60	OLD-13-60D		MW	2	Sch 40 PVC	Sch 40 PVC	10/7/2004	CH2M	RD	SU	112.62	110	113.67	111.05	100	110	ACTIVE	S1	CH2M	10/7/2004	545,011.73	1,536,826.90	NGVD 29
61	OLD-13-61D		MW	2	Sch 40 PVC	Sch 40 PVC	10/19/2004	CH2M	RD	SU	111.60	109	113.47	110.87	99	109	ACTIVE	S1	CH2M	10/19/2004	544,950.59	1,536,746.74	NGVD 29
62	OLD-13-62D		MW	2	Sch 40 PVC	Sch 40 PVC	10/18/2004	CH2M	RD	SU	122.58	120	113.63	111.05	110	120	ACTIVE	S1	CH2M	10/18/2004	545,040.28	1,536,749.35	NGVD 29
63	OLD-13-63D		MW	2	Sch 40 PVC	Sch 40 PVC	10/13/2004	CH2M	RD	FM	105.59	106	107.49	107.9	96	106	ACTIVE	S1	CH2M	10/13/2004	544,822.60	1,536,801.39	NGVD 29
64	OLD-13-64D		MW	2	Sch 40 PVC	Sch 40 PVC	10/15/2004	CH2M	RD	FM	109.65	110	103.75	104.1	100	110	ACTIVE	S1	BSA	5/7/2008	544,679.15	1,536,813.47	NGVD 29

MONITORING WELL SUMMARY
OPERABLE UNIT 4

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL DESIGNATION	WELL ALIAS	TYPE	WELL DIAMETER (inch)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	Installed By	Drilling Method	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	STATUS	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
65	OLD-13-65D	SB03	MW	1.9	Mesh	CMT	6/28/2006	TT	SN	FM	129.90	130	111.11	111.21	64	69	ACTIVE	S1	CH2M	8/15/2006	545,163.12	1,536,832.53	NGVD 29
66															75	80	ACTIVE						
67															87	92	ACTIVE						
68															102	107	ACTIVE						
69															113	118	ACTIVE						
70															125	130	ACTIVE						
71	OLD-13-66D	SB04	MW	1.9	Mesh	CMT	6/30/2006	TT	SN	SU	135.08	132	114.18	111.1	60	65	ACTIVE	S1	CH2M	8/15/2006	545,010.28	1,536,840.42	NGVD 29
72															74	79	ACTIVE						
73															89	94	ACTIVE						
74															104	109	ACTIVE						
75															115	120	ACTIVE						
76															127	132	ACTIVE						
77	OLD-13-67D	SB02	MW	1.9	Mesh	CMT	7/14/2006	TT	SN	SU	145.35	142	114.45	111.1	55	60	ACTIVE	S1 G2	CH2M	8/15/2006	545187.45 545,093.91	1,536,859.93 1,536,689.33	NGVD 29
78															68	73	ACTIVE						
79															84	89	ACTIVE						
80															110	115	ACTIVE						
81															120	125	ACTIVE						
82															137	142	ACTIVE						
83	OLD-13-68D	SB07	MW	1.9	Mesh	CMT	7/10/2006	TT	SN	SU	131.39	128	113.49	110.1	51	55	ACTIVE	S1	CH2M	8/15/2006	545,132.91	1,536,922.85	NGVD 29
84															63	68	ACTIVE						
85															73	78	ACTIVE						
86															90	95	ACTIVE						
87															105	110	ACTIVE						
88															118	128	ACTIVE						
89	OLD-13-69D	SB05	MW	1.9	Mesh	CMT	7/12/2006	TT	SN	SU	130.52	127	111.62	108.1	60	65	ACTIVE	S1	CH2M	8/15/2006	545,020.84	1,536,939.30	NGVD 29
90															70	75	ACTIVE						
91															85	90	ACTIVE						
92															100	105	ACTIVE						
93															110	115	ACTIVE						
94															122	127	ACTIVE						
95	OLD-13-70D	SB06	MW	1.9	Mesh	CMT	7/13/2006	TT	SN	SU	131.35	128	111.85	108.5	64	69	ACTIVE	S1	CH2M	8/15/2006	544,940.70	1,536,936.57	NGVD 29
96															80	85	ACTIVE						
97															90	95	ACTIVE						
98															101	106	ACTIVE						
99															112	117	ACTIVE						
100															123	128	ACTIVE						

MONITORING WELL SUMMARY
OPERABLE UNIT 4

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL DESIGNATION	WELL ALIAS	TYPE	WELL DIAMETER (inch)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	Installed By	Drilling Method	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	STATUS	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
101	OLD-13-71A		MW	1.5	Sch 40 PVC Pre pack	Sch 40 PVC	1/30/2008	TT	DPT	SU	14.5	12	103.36	101.3	2	12	ACTIVE	S1	BSA	5/7/2008	544,574.45	1,536,811.12	NAVD 88
102	OLD-13-72B		MW	1.5	Sch 40 PVC Pre pack	Sch 40 PVC	1/31/2008	TT	DPT	SU	28.5	26	104.04	101.5	16	26	ACTIVE	S1	BSA	5/7/2008	544,577.04	1,536,810.79	NAVD 88
103	OLD-13-73C		MW	1.5	Sch 40 PVC Pre pack	Sch 40 PVC	1/31/2008	TT	DPT	SU	58.5	56	104.07	101.6	46	56	ACTIVE	S1	BSA	5/7/2008	544,576.75	1,536,808.25	NAVD 88
104	OLD-13-74A		MW	1.5	Sch 40 PVC Pre pack	Sch 40 PVC	1/31/2008	TT	DPT	SU	15	13	105.09	102.8	3	13	ACTIVE	S1	BSA	5/7/2008	544,620.52	1,536,810.09	NAVD 88
105	OLD-13-75B		MW	1.5	Sch 40 PVC Pre pack	Sch 40 PVC	1/30/2008	TT	DPT	SU	30	28	105.22	102.7	18	28	ACTIVE	S1	BSA	5/7/2008	544,619.86	1,536,807.78	NAVD 88
106	OLD-13-76C		MW	1.5	Sch 40 PVC Pre pack	Sch 40 PVC	2/2/2008	TT	DPT	SU	57	55	105.04	102.56	45	55	ACTIVE	S1	BSA	5/7/2008	544,616.32	1,536,806.14	NAVD 88
107	OLD-13-77A		MW	1.5	Sch 40 PVC Pre pack	Sch 40 PVC	1/30/2008	TT	DPT	SU	16	14	106.06	103.6	4	14	ACTIVE	S1	BSA	5/7/2008	544,661.31	1,536,810.83	NAVD 88
108	OLD-13-78B		MW	1.5	Sch 40 PVC Pre pack	Sch 40 PVC	1/30/2008	TT	DPT	SU	30	28	105.95	103.6	18	28	ACTIVE	S1	BSA	5/7/2008	544,658.80	1,536,810.38	NAVD 88
109	OLD-13-79C		MW	1.5	Sch 40 PVC Pre pack	Sch 40 PVC	2/1/2008	TT	DPT	SU	56	54	106.02	103.5	44	54	ACTIVE	S1	BSA	5/7/2008	544,661.20	1,536,807.16	NAVD 88
110	OLD-13-80C		MW	1.5	Sch 40 PVC Pre pack	Sch 40 PVC	1/31/2008	TT	DPT	SU	43	41	105.31	102.8	36	41	ACTIVE	S1	BSA	5/7/2008	544,617.52	1,536,810.06	NAVD 88
111	OLD-13-81D		MW	1	Sch 40 PVC Pre pack	Sch 40 PVC	3/10/2009	TT	SN	FM	102.38	102	106.72	107.1	97	102	ACTIVE	S1	IER	4/17/2009	545,022.07	1,537,130.17	NGVD 29
112	OLD-13-82D		MW	1	Sch 40 PVC Pre pack	Sch 40 PVC	3/10/2009	TT	SN	FM	120.38	120	106.70	107.1	115	120	ACTIVE	S1	IER	4/17/2009	545,022.13	1,537,130.01	NGVD 29
113	OLD-13-DOW1						4-Dec-02	CH2M		SU	49.13	47.5	113.23	111.6	25	45			CH2M		544,972.79	1,536,854.09	
114	OLD-13-DOW2						25-Nov-02	CH2M		SU	51.02	49	113.62	111.6	26.5	47			CH2M		544,951.46	1,536,872.60	
115	OLD-13-DOW3						5-Dec-02	CH2M		SU	50.74	48.5	113.84	111.6	26	46			CH2M		544,947.77	1,536,830.82	
116	OLD-13-DOW4						2-Dec-02	CH2M		SU	53.35	50.5	114.45	111.6	28	48			CH2M		544,914.58	1,536,831.47	
117	OLD-13-DOW5		OW	2	0.010 PVC	2" PVC	6/1/2002	CH2M	HS	SU		52	108.52	108	32	52	ACTIVE	S1	CH2M	7/23/2002	544,891.19	1,536,862.79	NGVD 29
118	OLD-13-DOW6						May/June 2002	CH2M		SU	61.05	58	113.35	110.3	38	58			CH2M	7/23/2002	544,893.19	1,536,814.28	
119	OLD-13-DOW7						26-Nov-02	CH2M		SU	54.58	52.5	113.68	111.6	30	50			CH2M		544,916.68	1,536,860.49	
120	OLD-13-DOW8						13-Nov-02	CH2M		SU	56.73	54.5	112.87	110.64	32	52			CH2M		544,878.38	1,536,833.83	
121	OLD-13-DOW9	DOW-09	OW	2	0.010 PVC	2" PVC	11/11/2002	CH2M	HS	FM	48.30	48.5	108.04	108.24	26	46	ACTIVE	S1	CH2M	11/11/2002	544,846.36	1,536,879.32	NGVD 29
122	OLD-13-DOW10	DOW-10	OW	2	0.010 PVC	2" PVC	11/14/2002	CH2M	HS	SU	51.66	50.5	109.44	108.28	28	48	ACTIVE	S1	CH2M	11/14/2002	544,844.32	1,536,816.38	NGVD 29
123	OLD-13-DOW11	DOW-11	OW	2	0.010 PVC	2" PVC	11/15/2002	CH2M	HS	SU	55.33	52	110.97	107.64	29.5	49.5	ACTIVE	S1	CH2M	11/15/2002	544,840.43	1,536,788.99	NGVD 29
124	OLD-13-DOW12	DOW-12	OW	2	0.010 PVC	2" PVC	11/14/2002	CH2M	HS	SU	48.64	46.5	109.53	107.39	24	44	ACTIVE	S1	CH2M	11/14/2002	544,797.75	1,536,836.97	NGVD 29
125	OLD-13-DOW13		OW	2	0.010 PVC	2" PVC			HS	SU		37	114.85	111.59	32	37	ACTIVE	S1	CH2M		544961.64	1536831.73	
126	OLD-13-DP1		DP										103.00				ACTIVE						
127	OLD-13-DP2		DP										103.78				ACTIVE						
128	OLD-13-DP3		DP										104.14		0	1	ACTIVE	S1	CH2M		544,560.06	1,536,800.29	
129	OLD-13-DP101		DP	2	SS	SS	2/12/2008	TT	DPT	SU	11.75	7.51	103.94	99.7	1.95	5.45	ACTIVE	S1	BSA	5/7/2008	544,537.16	1,536,842.61	NAVD 88
130	OLD-13-DP102		DP	2	SS	SS	2/12/2008	TT	DPT	SU	11.75	7.51	103.94	99.7	1.95	5.45	ACTIVE	S1	BSA	5/7/2008	544,515.80	1,536,815.43	NAVD 88
131	OLD-13-DP103		DP	2	SS	SS	2/12/2008	TT	DPT	SU	11.75	7.22	104.43	99.9	1.95	5.45	ACTIVE	S1	BSA	5/7/2008	544,559.92	1,536,800.37	NAVD 88
132	OLD-13-DP104		DP	2	SS	SS	2/13/2008	TT	DPT	SU	11.75	2.65	103.24	94.14	1.95	5.45	ACTIVE	S1	BSA	5/7/2008	544,410.17	1,536,842.57	NAVD 88
133	OLD-13-DP105		DP	2	SS	SS	2/13/2008	TT	DPT	SU	11.75	3.53	103.63	95.41	1.95	5.45	ACTIVE	S1	BSA	5/7/2008	544,411.47	1,536,803.54	NAVD 88

MONITORING WELL SUMMARY
OPERABLE UNIT 4

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL DESIGNATION	WELL ALIAS	TYPE	WELL DIAMETER (inch)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	Installed By	Drilling Method	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	STATUS	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
134	OLD-13-DZ1-OW1	Nested with SZA-OW1	OW	2	Sch 40 PVC	Sch 40 PVC	Dec-06	CH2M	SN	FM	30	30	110.83	110.75	25	30	ACTIVE	S1	CH2M	6/6/2007	545,009.98	1,536,847.53	NGVD 29
135	OLD-13-DZ1-OW2	Nested with SZA-OW2	OW	2	Sch 40 PVC	Sch 40 PVC	12/7/2006	CH2M	SN	FM	30	30	110.95	110.72	25	30	ACTIVE	S1	CH2M	6/6/2007	544,988.47	1,536,840.96	NGVD 29
136	OLD-13-DZ1-OW3		OW	2	Sch 40 PVC	Sch 40 PVC	Dec-06	CH2M	SN	FM	30	30	110.28	110.17	25	30	ACTIVE	S1	CH2M	6/6/2007	544,954.79	1,536,850.45	NGVD 29
137	OLD-13-DZ1-OW4		OW	2	Sch 40 PVC	Sch 40 PVC	Dec-06	CH2M	SN	FM	30	30	110.36	110.25	25	30	ACTIVE	S1	CH2M	6/6/2007	544,935.85	1,536,827.40	NGVD 29
138	OLD-13-DZ2-OW1		OW	2	Sch 40 PVC	Sch 40 PVC	12/7/2006	CH2M	SN	FM	63	63	110.85	110.68	53	63	ACTIVE	S1	CH2M	6/6/2007	545,010.59	1,536,849.88	NGVD 29
139	OLD-13-DZ2-OW2		OW	2	Sch 40 PVC	Sch 40 PVC	Dec-06	CH2M	SN	FM	64	64	111.20	111.11	54	64	ACTIVE	S1	CH2M	6/6/2007	545,000.95	1,536,831.29	NGVD 29
140	OLD-13-DZ2-OW3		OW	2	Sch 40 PVC	Sch 40 PVC	Dec-06	CH2M	SN	FM	58	58	110.79	110.63	48	58	ACTIVE	S1	CH2M	6/6/2007	544,959.91	1,536,831.60	NGVD 29
141	OLD-13-OW01	OLD-13-28B	OW	2		Sch 40 PVC	8/8/1996	ABB	HS	SU	37.5	35	106.67*	105.19	30	35		S1			544,674.75	1,536,832.45	NGVD 29
142	OLD-13-OW02	OLD-13-29B	OW	2		Sch 40 PVC	8/7/1996	ABB	HS	SU	37.5	35	108.14	105.64	30	35		S1			544,681.96	1,536,865.21	NGVD 29
143	OLD-13-OW03	OLD-13-30B	OW	2		Sch 40 PVC							108.55*		29	34	ACTIVE	S1	CH2M		544,721.83	1,536,916.69	NGVD 29
144	OLD-13-OW04	OLD-13-31B	OW	2		Sch 40 PVC							106.35*		30	35	ACTIVE				544,659.95	1,536,833.04	NGVD 29
145	OLD-13-OW05	OLD-13-32B	OW	2		Sch 40 PVC	8/8/1996	ABB	HS	SU	37.5	35	111.38	108.88	30	35		S1			544,832.44	1,536,817.77	NGVD 29
146	OLD-13-OW06	OLD-13-OW06A, OW-6	OW	2	Sch 40 PVC	Sch 40 PVC	11/21/1997	Bechtel		SU	14.9	11.6	107.08*	105.27	6.3	11.3	ACTIVE	S1	CH2M		544,695.37	1,536,869.22	NGVD 29
147	OLD-13-OW07	OLD-13-OW07C, OW-7	OW	2	Sch 40 PVC	Sch 40 PVC	11/20/1997	Bechtel		SU	46.05	45.3	107.83	105.28	40	45	ACTIVE	S1	CH2M		544,699.41	1,536,867.86	NGVD 29
148	OLD-13-OW08	OLD-13-OW08A, OW-8	OW	2	Sch 40 PVC	Sch 40 PVC	11/20/1997	Bechtel		SU	14.13	11.5	107.54	104.91	6.2	11.2	ACTIVE	S1	CH2M		544,695.06	1,536,849.95	NGVD 29
149	OLD-13-OW09	OW-9	OW	2	Sch 40 PVC	Sch 40 PVC	11/20/1997	Bechtel		SU	47.33	44.7	107.72	105.09	39.4	44.4	ACTIVE	S1	CH2M		544,699.66	1,536,849.62	NGVD 29
150	OLD-13-OW10	OLD-13-OW10A, OW-10	OW	2	Sch 40 PVC	Sch 40 PVC	11/20/1997	Bechtel		SU	14.21	11.5	106.69*	104.99	6.2	11.2	ACTIVE	S1	CH2M		544,693.62	1,536,835.40	NGVD 29
151	OLD-13-OW11	OLD-13-OW11C, OW-11	OW	2	Sch 40 PVC	Sch 40 PVC	11/20/1997	Bechtel		SU	42.97	40.3	106.72*	105.09	40	45	ACTIVE	S1	CH2M		544,698.60	1,536,833.76	NGVD 29
152	OLD-13-OW12	OLD-13-OW12A, OW-12	OW	2	Sch 40 PVC	Sch 40 PVC	5/6/1998	Bechtel	HS	SU	14.9	12.6	107.60		6.2	11.2	ACTIVE	S1	CH2M		544,691.13	1,536,728.48	NGVD 29
153	OLD-13-OW13	OLD-13-OW13C, OW-13	OW	2	Sch 40 PVC	Sch 40 PVC	5/6/1998	Bechtel	HS	SU	46.9	44.6	107.44		42	47	ACTIVE	S1	CH2M		544,686.44	1,536,723.07	NGVD 29
154	OLD-13-SOW1						3-Dec-02	CH2M		SU	22.57	20	114.17	111.6	10	20			CH2M		545,036.17	1,536,873.77	
155	OLD-13-SOW2						3-Dec-02	CH2M		SU	22.24	20	113.84	111.6	10	20			CH2M		545,055.68	1,536,846.44	
156	OLD-13-SOW3						21-Nov-02	CH2M		SU	26.41	24	114.01	111.6	9	24			CH2M		545,043.53	1,536,806.55	
157	OLD-13-SOW4						21-Nov-02	CH2M		SU	22.15	19	114.75	111.6	9	19			CH2M		545,002.83	1,536,837.35	
158	OLD-13-SOW5	SOW-05	OW	2	0.010 PVC	2" PVC	11/15/2002	CH2M	HS	SU	17.17	17.5	109.03	109.36	7.5	17.5	ACTIVE	S1	CH2M	11/15/2002	544,968.13	1,536,895.45	NGVD 29
159	OLD-13-SOW6						26-Nov-02	CH2M		SU	22.78	20	114.38	111.6	10	20			CH2M		544,954.82	1,536,856.45	
160	OLD-13-SOW7						3-Dec-02	CH2M		SU	21.75	20	113.35	111.6	10	20			CH2M		544,967.97	1,536,800.66	
161	OLD-13-SOW8		OW	2	0.010 PVC	2" PVC	6/1/2002	CH2M	HS	FM	21.74	22	108.48	108.72	7	22	ACTIVE	S1	CH2M	7/23/2002	544,889.72	1,536,867.24	NGVD 29
162	OLD-13-SOW9						May/June 2002	CH2M		SU	28.75	26	113.25	110.5	11	26			CH2M	7/23/2002	544,892.91	1,536,818.85	
163	OLD-13-SOW10	SOW-10	OW	2	0.010 PVC	2" PVC	11/15/2002	CH2M	HS	FM	18.71	19	108.06	108.35	9	19	ACTIVE	S1	CH2M	11/15/2002	544,884.15	1,536,898.36	NGVD 29
164	OLD-13-SOW11						12-Nov-02	CH2M		SU	24.42	22	111.95	109.53	7	22			CH2M		544,872.10	1,536,838.05	
165	OLD-13-SOW12	SOW-12	OW	2	0.010 PVC	2" PVC	11/12/2002	CH2M	HS	FM	17.85	18	108.09	108.24	8	18	ACTIVE	S1	CH2M	11/12/2002	544,846.38	1,536,881.45	NGVD 29
166	OLD-13-SOW13	SOW-13	OW	2	0.010 PVC	2" PVC	11/13/2002	CH2M	HS	SU	22.85	20	110.43	107.58	10	20	ACTIVE	S1	CH2M	11/13/2002	544,837.67	1,536,824.97	NGVD 29
167	OLD-13-SOW14	SOW-14	OW	2	0.010 PVC	2" PVC	11/13/2002	CH2M	HS	SU	20.13	18	109.37	107.24	8	18	ACTIVE	S1	CH2M	11/13/2002	544,797.67	1,536,841.75	NGVD 29
168	OLD-13- SOW15																						
169	OLD-13- SOW16																						
170	OLD-13- SOW17																						
171	OLD-13- SOW18																						
172	OLD-13- SOW19																						
173	OLD-13- SOW20																						

MONITORING WELL SUMMARY
OPERABLE UNIT 4

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL DESIGNATION	WELL ALIAS	TYPE	WELL DIAMETER (inch)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	Installed By	Drilling Method	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	STATUS	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
174	OLD-13-SZA-OW1	Nested with DZ1-OW1	OW	2	Sch 40 PVC	Sch 40 PVC	12/7/2006	CH2M	SN	FM	20	20	110.91	110.83	5	20	ACTIVE	S1	CH2M	6/6/2007	545,009.93	1,536,847.31	NGVD 29
175	OLD-13-SZA-OW2	Nested with DZ1-OW2	OW	2	Sch 40 PVC	Sch 40 PVC	Dec-06	CH2M	SN	FM	20	20	111.04	110.75	5	20	ACTIVE	S1	CH2M	6/6/2007	544,988.67	1,536,840.81	NGVD 29
176	OLD-13-SZA-OW3		OW	2	Sch 40 PVC	Sch 40 PVC	Dec-06	CH2M	SN	FM	20	20	110.32	110.21	5	20	ACTIVE	S1	CH2M	6/6/2007	544,954.68	1,536,847.38	NGVD 29
177	OLD-13-SZA-OW4		OW	2	Sch 40 PVC	Sch 40 PVC	Dec-06	CH2M	SN	FM	20	20	110.35	110.21	5	20	ACTIVE	S1	CH2M	6/6/2007	544,935.67	1,536,825.91	NGVD 29
178	OLD-14-01A	OLD-14-01	MW	2	PVC	Sch 40 PVC	3/27/1995	ABB	HS	FM	14	14	109.00		3	13	ACTIVE	S1	CH2M	3/27/1995	545,345.19	1,536,943.23	NGVD 29
179	OLD-14-02A	OLD-14-02	MW	2	PVC	Sch 40 PVC	3/27/1995	ABB	HS	FM	10	16	113.66		5	15	ACTIVE	S1	CH2M	3/27/1995	545,436.40	1,536,652.39	NGVD 29
180	OLD-14-03A	OLD-14-03	MW	2	PVC	Sch 40 PVC	2/28/1995	ABB	HS	FM	16	16	113.29		5	15	ACTIVE	S1	CH2M	2/28/1995	545,252.67	1,536,555.62	NGVD 29
181	OLD-14-04A	OLD-14-04	MW	2	PVC	Sch 40 PVC	3/27/1995	ABB	HS	FM	16	16	113.33		5	15	ACTIVE	S1	CH2M	3/27/1995	545,308.15	1,536,665.56	NGVD 29
182	OLD-14-05A		MW	½" µwell	Sch 80 PVC	Sch 40 PVC	11/4/1997	ABB	TP	FM		15	113.60		6	15	ACTIVE	S1	CH2M		545,356.34	1,536,640.27	NGVD 29
183	OLD-14-06A		MW	½" µwell	Sch 80 PVC	Sch 40 PVC	11/4/1997	ABB	TP	FM		15	113.72		6	15	ACTIVE	S1	CH2M		545,426.58	1,536,556.94	NGVD 29
184	OLD-14-07A		MW	½" µwell	Sch 80 PVC	Sch 40 PVC	11/4/1997	ABB	TP	FM		15	114.06		6	15	ACTIVE	S1	CH2M		545,321.49	1,536,494.72	NGVD 29
185	OLD-14-08A		MW	½" µwell	Sch 80 PVC	Sch 40 PVC	11/4/1997	ABB	TP	FM		15	113.03		6	15	ACTIVE	S1	CH2M		545,160.54	1,536,559.40	NGVD 29
186	Piezometer P-1	P-01	PZ			Sch 40 PVC							115.03	112.06			ACTIVE	S1	CH2M	5/5/2003	545,323.92	1,536,790.44	NGVD 29
187	Piezometer P-2	P-02	PZ			Sch 40 PVC							116.26	113.00			ACTIVE	S1	CH2M	5/5/2003	545,283.42	1,536,804.69	NGVD 29
188	Piezometer P-3	P-03	PZ			Sch 40 PVC							115.98	112.75			ACTIVE	S1	CH2M	5/5/2003	545,240.99	1,536,820.06	NGVD 29
189	Piezometer P-4	P-04	PZ			Sch 40 PVC							115.34	111.99			ACTIVE	S1	CH2M	5/5/2003	545,204.26	1,536,833.52	NGVD 29
	Piezometer P-5	P-05	PZ			Sch 40 PVC							114.18	111.10			NOT FOUND	S1	CH2M	5/5/2003	545,087.35	1,536,804.50	NGVD 29
190	Piezometer P-6	P-06	PZ			Sch 40 PVC							114.43	111.52			ACTIVE	S1	CH2M	5/5/2003	545,248.54	1,536,910.08	NGVD 29
191	Piezometer P-7	P-07	PZ			Sch 40 PVC							115.30	112.28			ACTIVE	S1	CH2M	5/5/2003	545,247.37	1,536,854.30	NGVD 29
192	Piezometer P-8	P-08	PZ			Sch 40 PVC							115.83	112.72			ACTIVE	S1	CH2M	5/5/2003	545,244.42	1,536,744.54	NGVD 29
193	Piezometer P-9	P-09	PZ			Sch 40 PVC							114.93	112.90			ACTIVE	S1	CH2M	5/5/2003	545,242.28	1,536,690.60	NGVD 29
194	Piezometer P-10	P-10	PZ			Sch 40 PVC							115.54	112.73			ACTIVE	S1	CH2M	5/5/2003	545,239.93	1,536,636.45	NGVD 29
195	Piezometer P-11	P-11	PZ			Sch 40 PVC							115.62	112.65			ACTIVE	S1	CH2M	5/5/2003	545,236.86	1,536,582.79	NGVD 29
196	GMP- 07			½" µwell				CH2M		FM	18	18	108.95	108.9	15	18		S1			544,838.10	1,536,845.30	NGVD 29
197	GMP-08			½" µwell				CH2M		FM	18	18	109.18	109.06	15	18		S1			544,853.10	1,536,846.10	NGVD 29
198	GMP-09			½" µwell				CH2M		FM	18	18	109.37	109.28	15	18		S1			544,868.00	1,536,846.60	NGVD 29
199	GMP-10			½" µwell				CH2M		FM	18	18	109.72	109.64	15	18		S1			544,885.70	1,536,847.10	NGVD 29
200	GMP-11			½" µwell				CH2M		FM	18	18	109.56	109.45	9	18		S1			544,878.80	1,536,844.30	NGVD 29
201	GMP-12			½" µwell				CH2M		FM	18	18	109.70	109.59	9	18		S1			544,877.00	1,536,870.00	NGVD 29
202	GMP-13			½" µwell				CH2M		FM	18	18	109.76	109.61	9	18		S1			644,879.60	1,536,876.80	NGVD 29
203	GMP-14			½" µwell				CH2M		FM	18	18	109.50	109.37	9	18		S1			544,871.30	1,536,857.10	NGVD 29
204	GMP-15			½" µwell				CH2M		FM	18	18	109.39	109.23	9	18		S1			544,859.30	1,536,856.80	NGVD 29
205	GMP-16			½" µwell				CH2M		FM	18	18	109.23	109.08	9	18		S1			544,846.30	1,536,856.30	NGVD 29
206	GMP-17			½" µwell				CH2M		FM	18	18	108.92	108.78	9	18		S1			544,810.70	1,536,853.50	NGVD 29

*Top of casing elevations were revised by CH2M in 2003. Variances were typically a foot of elevation lower than the original data. The exceptions were 50A and 51B which were revised to approximately one foot higher, and 57B which was raised approximately 4.5 feet. No survey event was found, however, the revised elevations appear to correlate with surrounding well elevations.

Zone A Shallow
Zone B Intermediate
Zone C Deep
Zone D Hawthorne

REMEDIAL WELL SUMMARY
OPERABLE UNIT 4

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL DESIGNATION	WELL ALIAS	TYPE	WELL DIAMETER (inch)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	Installed By	Drilling Method	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	STATUS	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
1	UVB 1		RCW	10	Sch 80, 25 Slot, Galvanized Steel	Sch 80 PVC	11/24/1997	Bechtel		SU							ABANDONED	S1	CH2M	11/24/1997	544,693.09	1,536,820.03	NGVD 29
2	UVB 1R		RW	4	Sch 80, 10 slot PVC	Sch 80 PVC	1/29/2013	Resolution Consultants		SU	46		NS	NS	6	46	ACTIVE				NS	NS	
3	UVB 2		RCW	6	Sch 80, 25 Slot, Galvanized Steel	Sch 80 PVC	11/24/1997	Bechtel		SU		51	106.16		3.3 39.5	15 46.4	PLUGGED	S1	CH2M	11/24/1997	544,685.62	1,536,745.87	NGVD 29
4	OLD-13-IW2		INJ	4				ABB		FM	35	35	108.58*	109.77	5	30		S1			544,891.80	1,536,867.30	NGVD 29
5	OLD-13-IW3		INJ	4				ABB		FM	35	35	108.27*	109.72	5	30		S1			544,891.50	1,538,857.40	NGVD 29
6	OLD-13-IW4		INJ	4				ABB		FM	35	35	108.52*	109.72	5	30		S1			544,891.70	1,536,847.30	NGVD 29
7	OLD-13-RW1		RW	4			8/21/1996	ABB	HS	SU	70	65	104.47	99.47	20	60		S1			544,675.22	1,536,822.30	NGVD 29
8	OLD-13-RW2		RW	4				ABB		FM	35	35	108.7	108.98	10	30		S1			544,828.40	1,536,865.60	NGVD 29
9	OLD-13-RW3		RW	4				ABB		FM	35	35	108.8	108.94	10	30		S1			544,828.80	1,536,855.50	NGVD 29
10	OLD-13-RW4		RW	4				ABB		FM	35	35	108.6	108.91	10	30		S1			544,829.00	1,538,845.40	NGVD 29
11	SE-01		EXT	4			12/6/2002	CH2M	HS	SU	19.94	19	112.54	111.6	6.50	16.50			CH2M	12/6/2002	545,005.62	1,536,863.02	
12	SE-02		EXT	4			12/6/2002	CH2M	HS	SU	19.44	18.5	112.54	111.6	6.00	16.00			CH2M	12/6/2002	544,999.60	1,536,808.46	
13	SE-03		EXT	4			11/19/2002	CH2M	HS	SU	19.455	18.5	108.795	107.84	6.00	16.00			CH2M	11/19/2002	544,807.84	1,536,862.39	
14	SE-04		EXT	4			11/18/2002	CH2M	HS	SU	20.5	19.5	108.88	107.88	7.00	17.00			CH2M	11/18/2002	544,814.48	1,536,816.07	
15	SI-01		INJ	4			12/7/2002	CH2M	HS	SU	18.93	18	112.53	111.6	5.50	15.50			CH2M	12/7/2002	545,044.39	1,536,864.22	
16	SI-02		INJ	4			11/22/2002	CH2M	HS	FM	22.01	22	111.19	111.18	9.50	19.50			CH2M	11/22/2002	545,082.96	1,536,818.80	
17	SI-03		INJ	4			12/5/2002	CH2M	HS	SU	20.39	19.5	112.49	111.6	7.00	17.00			CH2M	12/5/2002	544,968.13	1,536,828.99	
18	SI-04		INJ	4			12/7/2002	CH2M	HS	SU	22.49	21.5	112.59	111.6	6.50	19.00			CH2M	12/7/2002	544,922.56	1,536,850.20	
19	SI-05		INJ	4			12/6/2002	CH2M	HS	SU	20.95	20	112.55	111.6	7.50	17.50			CH2M	12/6/2002	544,928.13	1,536,815.46	
20	DI-01		INJ	4			12/5/2002	CH2M	HS	SU	43.33	42.5	112.43	111.6	25.00	40.50			CH2M	12/5/2002	544,968.56	1,536,832.41	
21	DI-02		INJ	4			11/21/2002	CH2M	HS	SU	48.95	48	110.53	109.58	30.50	45.50			CH2M	11/21/2002	544,888.00	1,536,838.92	
22	DE-01		EXT	4			11/19/2002	CH2M	HS	SU	40.94	40	108.77	107.83	22.50	37.50			CH2M	11/19/2002	544,808.30	1,536,865.88	
23	DE-02		EXT	4			11/18/2002	CH2M	HS	SU	44.01	43	108.92	107.91	25.50	40.50			CH2M	11/18/2002	544,814.57	1,536,811.84	

*Top of casing elevations were revised by CH2M in 2003. Variances were typically a foot of elevation lower than the original data. No survey event was found, however, the revised elevations appear to correlate with surrounding well elevations.

Legend

- Zone A - Shallow Surficial
- Zone B - Intermediate Surficial
- Zone C - Deep Surficial
- Zone D - Hawthorne
- Other
- Wells_Abandoned_or_Destroyed
- Study Area 2

0 125 250 500 Feet

1 inch = 250 feet

Basemap Sources: Esri World Imagery
http://services.arcgisonline.com/arcgis/services/World_Imagery
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Orange County GIS

FIGURE 1
SITE LAYOUT
Study Area 2
Main Base
Orlando, Florida

NAVFAC Naval Facilities Engineering Command
RESOLUTION CONSULTANTS

REQUESTED BY: M. Sweeney	DATE: 5/30/2014
DRAWN BY: M. Martin	TASK ORDER NUMBER: JM42

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WELL CONSTRUCTION DETAILS
STUDY AREA 2

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL ID	STATUS	TYPE	WELL DIAMETER (IN)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
1	OLD-02-01A	ACTIVE	MW	2	0.010 PVC	PVC	9/2/1994	ABB	HS	FM	17	17.5	103.52	103.70	7	17	S1			553,606.67	1,531,763.64	NAVD 88
	OLD-02-02A	ACTIVE	MW	2	0.010 PVC	PVC	9/6/1994	ABB	HS	FM		13	110.25		3	13	S1			552,788.64	1,531,516.11	
	OLD-02-03A	ACTIVE	MW	2	0.010 PVC	PVC	9/6/1994	ABB	HS	FM	14	15.5	110.63		3	13	S1			552,687.71	1,530,508.53	
	OLD-02-04A	ABANDONED																		553,646.48	1,530,633.93	
	OLD-02-05A	ACTIVE	MW	2	0.010 PVC	PVC	9/8/1994	ABB	HS	FM	12	13.5	112.89		3	13	S1			552,729.67	1,531,056.36	
	OLD-02-06A	ABANDONED																		553,330.28	1,530,648.16	
	OLD-02-07C	ACTIVE	MW	2	0.010 PVC	PVC	2/12/1994	ABB	HS	FM		62	110.50		57	62	S1			552,788.30	1,531,523.50	
2	OLD-02-08C	ACTIVE	MW	2	0.010 PVC	PVC	2/14/1995	ABB	HS	FM	65	66.0	111.29	111.50	60	65	S1			552,816.90	1,530,632.70	NAVD 88
3	OLD-02-09A	ACTIVE	MW	2	0.010 PVC	PVC	2/22/1995	ABB	HS	FM	15	16.0	111.16	111.60	5	15	S1			552,829.56	1,530,632.49	NAVD 88
	OLD-02-10C	DESTROYED																		553,356.32	1,530,933.54	
	OLD-02-11A	DESTROYED																		553,357.01	1,530,925.49	
4	OLD-02-12C	ACTIVE	MW	2	0.010 PVC	PVC	8/12/1997	ABB	HS	FM	58	66.0	15.02	115.10	53	58	S1			552,536.75	1,530,521.98	NAVD 88
	OLD-02-13C	ABAND/DEST																		553,676.67	1,530,842.23	
	OLD-02-14C	ACTIVE	MW	2	0.010 PVC	PVC		ABB	HS	FM	56.3						S1			553,642.63	1,532,049.69	
5	OLD-02-15A	ACTIVE	MW	2	0.010 PVC	PVC	12/1/1997	ABB	HS	FM	15	15.5	98.88	99.10	10	15	S1			554,374.17	1,531,281.44	NAVD 88
6	OLD-02-16B	ACTIVE	MW	2	0.010 PVC	PVC	12/3/1997	ABB	HS	FM	33	33.5	98.81	99.00	28	33	S1			554,368.66	1,531,281.66	NAVD 88
7	OLD-02-17C	ACTIVE	MW	2	0.010 PVC	PVC	12/2/1997	ABB	HS	FM	50	56.0	98.80	98.90	45	50	S1			554,362.88	1,531,281.41	NAVD 88
	OLD-02-18B	ABANDONED																		553,587.41	1,530,568.20	
8	OLD-02-19C	ACTIVE	MW	2	0.010 PVC	PVC	12/4/1997	ABB	HS	FM	54	58.0	101.30	101.20	49	54	S1			553,946.94	1,530,852.20	NAVD 88
	OLD-02-20B	ABAND/DEST	MW																	553,587.41	1,530,568.18	
	OLD-02-21C	ABAND/DEST	MW																	553,591.02	1,530,565.54	
	OLD-02-23C	ABANDONED	MW																	553,504.10	1,530,585.20	
	OLD-02-24C	ABANDONED	MW																	553,497.30	1,530,585.00	
	OLD-02-25C	ABANDONED	MW																	553,489.90	1,530,584.10	
	OLD-02-26C	ABANDONED	MW																	553,488.30	1,530,578.70	
	OLD-02-27C	ABANDONED	MW																	553,488.00	1,530,589.70	
	OLD-02-28C	ABANDONED	MW																	553,118.02	1,530,136.41	
	OLD-02-29C	ABANDONED	MW																	553,705.42	1,530,645.10	
	OLD-02-30C	ABANDONED	MW																	553,627.60	1,530,620.00	
	OLD-02-31C	ABANDONED	MW																	553,630.00	1,530,624.70	
	OLD-02-32C	ABANDONED	MW																	553,626.90	1,530,629.10	
	OLD-02-33C	ABANDONED	MW																	553,698.36	1,530,645.10	
	OLD-02-34C	ABANDONED	MW																	553,633.40	1,530,788.70	
	OLD-02-35C	ABANDONED	MW																	553,545.72	1,530,514.80	
	OLD-02-36C	ABANDONED	MW																	553,358.44	1,530,411.30	
	OLD-02-37C	ABANDONED	MW																	553,401.84	1,530,672.50	
	OLD-02-38C	ABANDONED	MW																	553,594.30	1,530,904.50	
	OLD-02-39D	ABAND/DEST	MW																	553,394.84	1,530,672.96	
	OLD-02-39I	ABANDONED	MW																	553,392.47	1,530,683.52	
9	OLD-02-40D	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	10/27/2003	TT	HS	FM	65	65.5	108.54	108.82	60	65	S1	CH2M	12/1/2003	553,546.49	1,530,485.66	NAVD 88
	OLD-02-40I	ACTIVE	MW	2		PVC				FM	54.4									553,556.45	1,530,468.26	
10	OLD-02-41D	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	10/28/2003	TT	HS	FM	65	65.5	112.63	112.9	60	65	S1	CH2M	12/1/2003	552,914.92	1,530,403.39	NAVD 88
11	OLD-02-42D	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	10/28/2003	TT	HS	FM	65	65.5	107.38	107.59	60	65	S1	CH2M	12/1/2003	553,687.71	1,530,298.17	NAVD 88
12	OLD-02-43D	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	10/28/2003	TT	HS	FM	65	65.5	111.54	111.72	60	65	S1	CH2M	12/1/2003	553,118.02	1,530,136.09	NAVD 88
	OLD-02-43I	ACTIVE	MW	2		PVC				FM												
	OLD-02-44D	ABANDONED	MW																	553,705.42	1,530,645.12	
	OLD-02-44I	ABANDONED	MW																	553,695.64	1,530,657.55	
	OLD-02-45D	ABAND/DEST	MW																	553,697.99	1,530,966.04	
	OLD-02-45I	ABANDONED	MW																	553,689.94	1,530,977.31	
	OLD-02-46D	DESTROYED																		552,487.69	1,530,129.46	
13	OLD-02-46DR	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	12/27/2011	TT	HS	FM	70	70.5	119.34	119.54	65	70	S1	TT	7/27/2012	552,490.48	1,530,129.54	NAVD 88
	OLD-02-47V	ABANDONED																		553,433.19	1,530,789.24	
	OLD-02-47C	ABAND/DEST	MW																	553,433.49	1,530,789.74	
	OLD-02-47D	ABANDONED																		553,433.45	1,530,789.49	
	OLD-02-48C	ABAND/DEST	MW																	553,692.14	1,530,965.97	
	OLD-02-49C	ABANDONED	MW																	553,698.36	1,530,645.11	

WELL CONSTRUCTION DETAILS
STUDY AREA 2

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL ID	STATUS	TYPE	WELL DIAMETER (IN)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
14	OLD-02-50C	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	5/4/2004	TT	RD	FM	45	45.2	107.31	107.50	40	45	S1	CH2M	7/7/2004	553,688.39	1,530,303.94	NAVD 88
	OLD-02-51C	ABANDONED	MW																	553,545.72	1,530,514.82	
15	OLD-02-52C	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	5/4/2004	TT	RD	FM	50	50.2	112.01	112.20	45	50	S1	CH2M	7/7/2004	553,358.44	1,530,411.26	NAVD 88
	OLD-02-53C	ABAND/DEST	MW																	553,401.84	1,530,672.50	
	OLD-02-54D	ABAND/DEST																		552,519.07	1,529,626.28	
	OLD-02-55D	ACTIVE	MW	2		PVC				FM	68.2									553,233.02	1,529,958.69	
16	OLD-02-56C	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	5/6/2004	TT	RD	FM	40	40.3	98.89	99.10	35	40	S1	CH2M	7/7/2004	553,953.42	1,531,058.51	NAVD 88
17	OLD-02-57C	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	5/6/2004	TT	RD	FM	40	40.3	98.57	98.80	35	40	S1	CH2M	7/7/2004	554,354.25	1,531,281.45	NAVD 88
18	OLD-02-58C	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	5/6/2004	TT	RD	FM	40	40.3	96.56	96.90	35	40	S1	CH2M	7/7/2004	554,005.69	1,531,281.24	NAVD 88
19	OLD-02-59D	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	5/7/2004	TT	RD	FM	60	60.2	102.64	102.80	55	60	S1	CH2M	7/7/2004	553,943.03	1,530,369.91	NAVD 88
20	OLD-02-60C	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	5/7/2004	TT	RD	FM	45	45.2	101.58	101.80	40	45	S1	CH2M	7/7/2004	553,945.71	1,530,699.08	NAVD 88
21	OLD-02-61E	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	5/10/2004	TT	RD	FM	90	90.3	111.10	111.30	85	90	S1	CH2M	7/7/2004	553,118.54	1,530,142.41	NAVD 88
	OLD-02-62E	ABANDONED	MW																	553,698.29	1,530,650.39	
22	OLD-02-63D	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	5/11/2004	TT	RD	FM	60	60.4	101.23	101.60	55	60	S1	CH2M	7/7/2004	554,460.88	1,530,440.68	NAVD 88
23	OLD-02-64D	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	5/11/2004	TT	RD	FM	60	60.4	99.43	99.80	55	60	S1	CH2M	7/7/2004	554,457.21	1,530,883.41	NAVD 88
24	OLD-02-65C	ACTIVE	MW	2	0.006 PVC	PVC Sch 40	5/11/2004	TT	RD	FM	40	40.3	99.48	99.80	35	40	S1	CH2M	7/7/2004	554,457.40	1,530,890.28	NAVD 88
	OLD-02-66V	ABANDONED																		553,432.70	1,530,647.11	
	OLD-02-66C	ABANDONED																		553,432.55	1,530,646.43	
	OLD-02-67V	ABANDONED																		553,439.51	1,530,654.58	
	OLD-02-67C	ABAND/DEST	MW																	553,439.01	1,530,654.06	
	OLD-02-67D	ABAND/DEST	MW																	553,439.20	1,530,653.93	
25	OLD-02-68D	ACTIVE	MW	2	0.010 PVC	PVC Sch 40	5/6/2009	STI	HS	FM	55	55	100.16		50	55	S1	STI	6/24/2009	553,699.84	1,531,018.55	NAVD 88
26	OLD-02-69C	ACTIVE	MW	2	0.010 PVC	PVC Sch 40	5/6/2009	STI	HS	FM	45	45	106.92		40	45	S1	STI	6/24/2009	553,703.17	1,530,642.11	NAVD 88
27	OLD-02-70D	ACTIVE	MW	2	0.010 PVC	PVC Sch 40	5/6/2009	STI	HS	FM	60	60	106.87		55	60	S1	STI	6/24/2009	553,705.28	1,530,576.64	NAVD 88

Legend

Monitoring Wells

- Zone A
- Zone B
- Zone C, upper
- Zone C, lower
- Zone D, semi-confined
- Zones B1, B2, C1, C2 (Multi-chamber Well)
- Study Area

0 50 100 200 Feet

Note:
Monitoring Well OLD-17-53 is a multi-chamber well screened in zones B1, B2, C1 and C2.
Sources:
Basemap Sources: Esri World Imagery
http://services.arcgisonline.com/arcgis/services/World_Imagery
© 2011 Esri, i-cubed, USDA FSA, USGS, AEX, GeoEye, AeroGRID, Getmapping, IGP
Orange County GIS

FIGURE 1
SITE LAYOUT/WELL LOCATION MAP
SA 17
McCoy Annex
Orlando, Florida

NAVFAC Naval Facilities Engineering Command
RESOLUTION CONSULTANTS

REQUESTED BY: M. Sweeney	DATE: 5/29/2014
DRAWN BY: M. Martin	TASK ORDER NUMBER: JM42

L:\projects\Navy CLEAN\NTC Orlando\9.0_Geospatial\MXDs\SA17\Well Inventory\FIGURE 1 Site Map_052914.mxd

PROJECT NUMBER 9082.10A2.NAVF

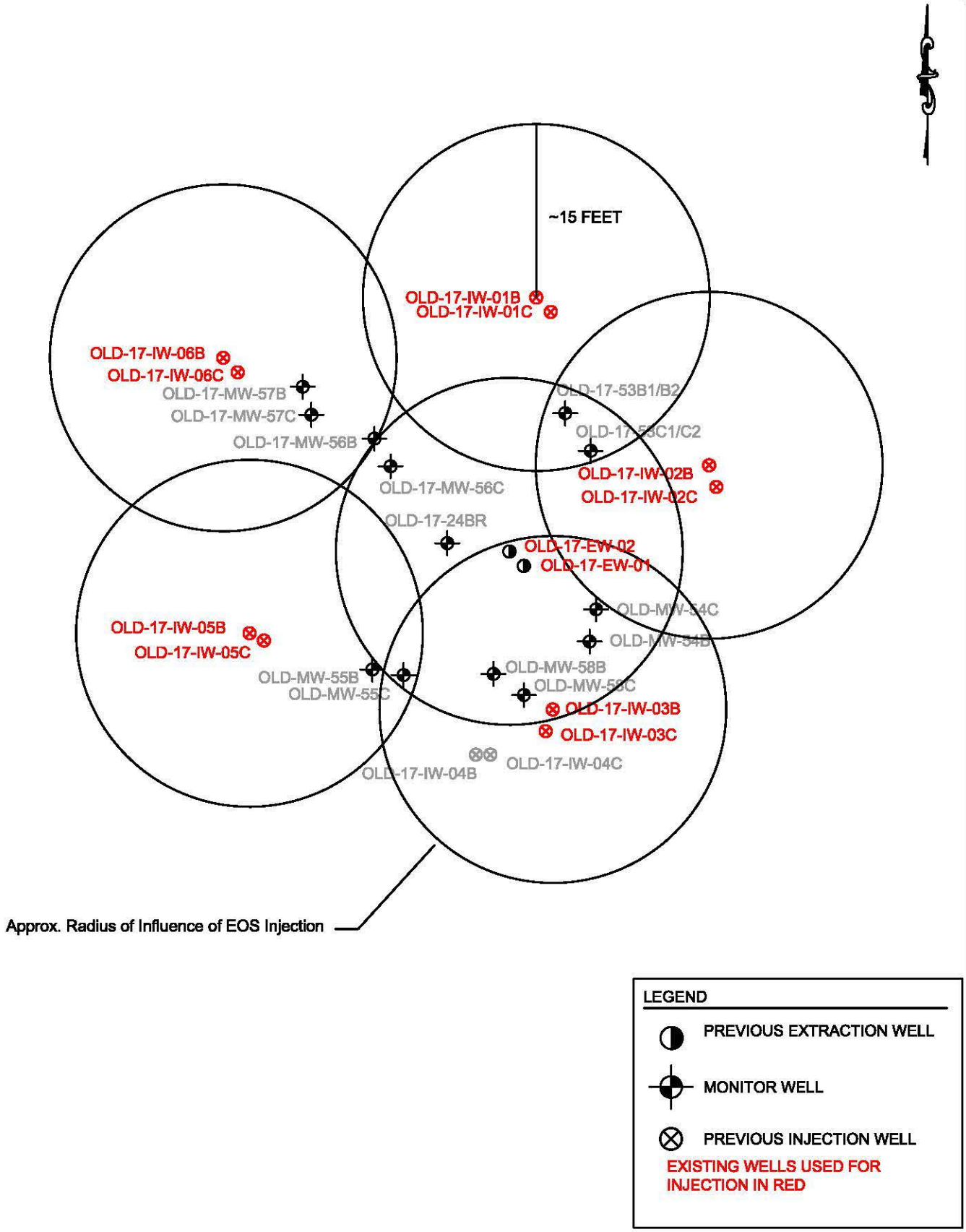
DRAFTER SAM

CHECKED BY MTL

PROJECT MANAGER JLK

DATE 7/10/2012

FILE Figure 3.pdf



LEGEND

- PREVIOUS EXTRACTION WELL
- MONITOR WELL
- PREVIOUS INJECTION WELL

EXISTING WELLS USED FOR INJECTION IN RED

Solutions-IES
Industrial & Environmental Services
1101 NOWELL ROAD
RALEIGH, NORTH CAROLINA 27607
TEL.: (919) 873-1060 FAX.: (919) 873-1074

INJECTION WELL LOCATION MAP
TARGET TREATMENT ZONE
STUDY AREA 17
FORMER NAVAL TRAINING CENTER
ORLANDO, FLORIDA

FIGURE: 3

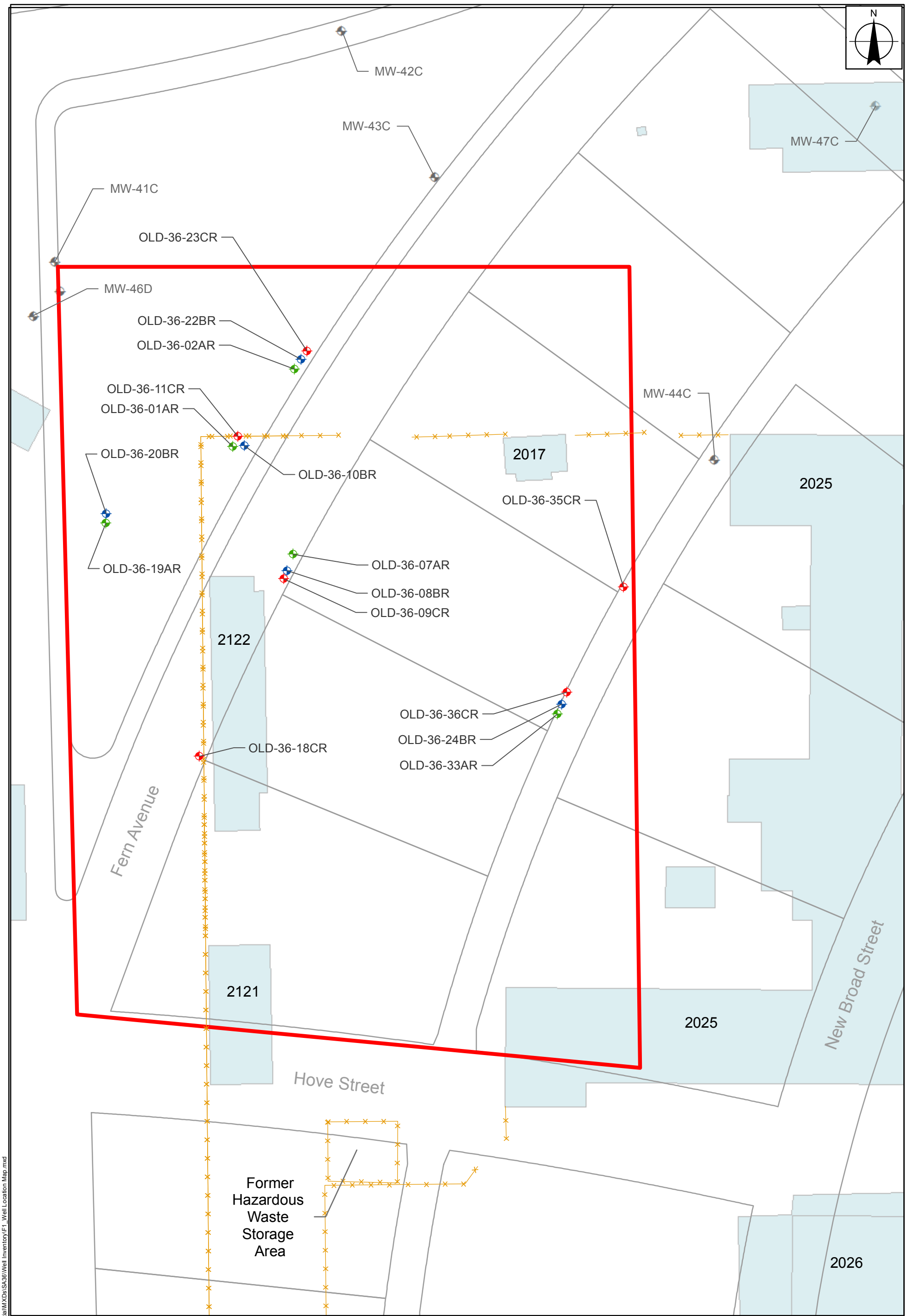
MONITORING WELL CONSTRUCTION DETAILS
STUDY AREA 17
NTC ORLANDO, FLORIDA

	WELL DESIGNATION	TYPE	WELL INNER DIAMETER (inch)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (ft bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	STATUS	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
1	OLD-17-01A	MW	2	0.010 PVC	Sch. 40 PVC	5/15/1995	HLA	HS	FM	12.72	12.5	90.28	90.50	2	12	ACTIVE	S1	HLA	1/1/1997	546,727.59	1,490,675.66	NAVD 88
2	OLD-17-02A	MW	2	0.010 PVC	Sch. 40 PVC	5/14/1995	HLA	HS	FM	12.34	12.5	90.14	90.30	2	12	ACTIVE	S1	HLA	1/1/1997	546,828.44	1,490,504.68	NAVD 88
3	OLD-17-03A	MW	2	0.010 PVC	Sch. 40 PVC	5/16/1995	HLA	HS	FM	12.07	12.5	89.47	89.90	2	12	ACTIVE	S1	HLA	1/1/1997	546,999.59	1,490,206.35	NAVD 88
4	OLD-17-04A	MW	2	0.010 PVC	Sch. 40 PVC	5/16/1995	HLA	HS	FM	12.17	12.5	89.07	89.40	2	12	ACTIVE	S1	HLA	1/1/1997	546,676.07	1,490,425.42	NAVD 88
5	OLD-17-06A	MW	0.5	0.010 PVC	Sch. 40 PVC	1/23/1997	HLA	TP	FM	11	11.0	89.80	NS	2	11	ACTIVE	S1	HLA	1/1/1997	546,708.00	1,490,426.00	NAVD 88
6	OLD-17-10C	MW	2	0.010 PVC	Sch. 40 PVC	2/4/1997	HLA	DPT	FM	NM	47.0	89.20	NS	42	47	ACTIVE	G2	HLA	1/1/1997	546,673.00	1,490,418.00	NAVD 88
7	OLD-17-13B	MW	2	0.010 PVC	Sch. 40 PVC	4/28/1998	HLA	HS	FM	20.11	20.0	90.01	89.90	15	20	ACTIVE	S1	HLA	1/1/1997	546,996.76	1,490,202.11	NAVD 88
8	OLD-17-14C	MW	2	0.010 PVC	Sch. 40 PVC	4/28/1998	HLA	HS	FM	48.25	48.0	89.85	89.60	43	48	ACTIVE	S1	HLA	1/1/1997	546,993.74	1,490,197.04	NAVD 88
9	OLD-17-15A	MW	2	0.010 PVC	Sch. 40 PVC	4/28/1998	HLA	HS	FM	12.15	12.0	88.85	88.70	2	12	ACTIVE	S1	HLA	1/1/1997	546,829.37	1,490,218.24	NAVD 88
10	OLD-17-16B	MW	2	0.010 PVC	Sch. 40 PVC	4/29/1998	HLA	HS	FM	20.02	20.0	88.72	88.70	15	20	ACTIVE	S1	HLA	1/1/1997	546,825.25	1,490,221.13	NAVD 88
11	OLD-17-17C	MW	2	0.010 PVC	Sch. 40 PVC	4/29/1998	HLA	HS	FM	48.06	48.0	88.56	88.50	43	48	ACTIVE	S1	HLA	1/1/1997	546,818.99	1,490,227.00	NAVD 88
12	OLD-17-18A	MW	2	0.010 PVC	Sch. 40 PVC	4/30/1998	HLA	HS	FM	12.22	12.0	91.12	90.90	2	12	ACTIVE	S1	HLA	1/1/1997	546,979.55	1,490,388.92	NAVD 88
13	OLD-17-19B	MW	2	0.010 PVC	Sch. 40 PVC	5/1/1998	HLA	HS	FM	30.16	30.0	91.46	91.30	25	30	ACTIVE	S1	HLA	1/1/1997	547,113.23	1,490,325.31	NAVD 88
14	OLD-17-20C	MW	2	0.010 PVC	Sch. 40 PVC	5/1/1998	HLA	HS	FM	52.15	52.0	91.45	91.30	47	52	ACTIVE	S1	HLA	1/1/1997	547,116.19	1,490,330.09	NAVD 88
15	OLD-17-21B	MW	2	0.010 PVC	Sch. 40 PVC	5/5/1998	HLA	HS	FM	20.08	20.0	90.48	90.40	15	20	ACTIVE	S1	HLA	1/1/1997	546,832.01	1,490,511.21	NAVD 88
16	OLD-17-22C	MW	2	0.010 PVC	Sch. 40 PVC	5/4/1998	HLA	HS	FM	47.98	48.0	90.48	90.50	43	48	ACTIVE	S1	HLA	1/1/1997	546,837.04	1,490,517.42	NAVD 88
17	OLD-17-23AR	MW	2	0.010 SS	2" Stainless Steel	9/26/2000	CCI	HS	FM	11.72	11.5	89.38	89.60	1.5	11.5	ACTIVE	S1	CH2M	9/26/2000	546,847.00	1,490,404.06	NAVD 88
18	OLD-17-24BR	MW	2	0.010 SS	2" Stainless Steel	9/26/2000	CCI	HS	FM	20.24	20.0	89.56	89.80	15	20	ACTIVE	S1	CH2M	9/26/2000	546,851.06	1,490,400.23	NAVD 88
19	OLD-17-25C	MW	2	0.010 PVC	Sch. 40 PVC	5/7/1998	HLA	HS	FM	63.54	63.0	89.16	89.70	58	63	ACTIVE	S1	CH2M	1/17/2001	546,859.37	1,490,399.98	NAVD 88
20	OLD-17-26A	MW	2	0.010 PVC	Sch. 40 PVC	5/5/1998	HLA	HS	FM	12.3	12.0	90.00	89.70	2	12	ACTIVE	S1	HLA	1/1/1997	546,735.46	1,490,431.61	NAVD 88
21	OLD-17-27B	MW	2	0.010 PVC	Sch. 40 PVC	5/5/1998	HLA	HS	FM	20.19	20.0	89.99	89.80	15	20	ACTIVE	S1	HLA	1/1/1997	546,740.42	1,490,428.37	NAVD 88
22	OLD-17-28C	MW	2	0.010 PVC	Sch. 40 PVC	5/7/1998	HLA	HS	FM	63.16	63.0	89.96	89.80	58	63	ACTIVE	S1	HLA	1/1/1997	546,747.71	1,490,423.67	NAVD 88
23	OLD-17-31AR	MW	2	0.010 PVC	Sch. 40 PVC	2/16/2012	SIES	HA	SU	5.97	2.0	87.58	83.61	1	2	ACTIVE	S1	TT	7/27/2012	546,793.95	1,490,295.53	NAVD 88
24	OLD-17-32AR	MW	2	0.010 PVC	Sch. 40 PVC	2/16/2012	SIES	HA	SU	5.62	2.0	87.39	83.77	1	2	ACTIVE	S1	TT	7/27/2012	546,876.17	1,490,235.33	NAVD 88
25	OLD-17-33AR	MW	2	0.010 PVC	Sch. 40 PVC	2/16/2012	SIES	HA	SU	5.78	2.0	87.38	83.60	1	2	ACTIVE	S1	TT	7/27/2012	546,942.85	1,490,188.71	NAVD 88
26	OLD-17-34A	MW	2	0.010 PVC	Sch. 40 PVC	3/27/2000	CCI	HS	FM	15.24	15.5	90.44	90.70	5	15	ACTIVE	S1	CH2M	1/17/2001	546,933.56	1,490,546.61	NAVD 88
27	OLD-17-35B	MW	2	0.010 PVC	Sch. 40 PVC	3/27/2000	CCI	HS	FM	20.1	20.5	90.20	90.60	15	20	ACTIVE	S1	CH2M	1/17/2001	546,938.11	1,490,543.09	NAVD 88
28	OLD-17-36B	MW	2	0.010 PVC	Sch. 40 PVC	3/28/2000	CCI	HS	FM	29.08	29.5	89.18	89.60	24	29	ACTIVE	S1	CH2M	1/17/2001	547,281.25	1,490,208.37	NAVD 88
29	OLD-17-37C	MW	2	0.010 PVC	Sch. 40 PVC	3/28/2000	CCI	HS	FM	55.14	55.5	89.24	89.6	45	50	ACTIVE	S1	CH2M	1/17/2001	547,283.66	1,490,214.22	NAVD 88
30	OLD-17-38D	MW	2	0.006 Pre Pack	Sch. 40 PVC	8/20/2002	TT	MR	SU	73.5	70.5	94.05	90.70	65	70	ACTIVE	S1	CH2M	9/30/2002	547,110.36	1,490,331.78	NAVD 88
31	OLD-17-39C	MW	1	0.006 Pre Pack	Sch. 40 PVC	8/19/2002	TT	HS	FM	51.28	51.0	89.72	90.00	45	50	ACTIVE	S1	CH2M	9/30/2002	547,144.18	1,490,223.78	NAVD 88
32	OLD-17-40C	MW	1	0.006 Pre Pack	Sch. 40 PVC	8/20/2002	TT	HS	FM	51.16	51.0	91.74	91.90	45	50	ACTIVE	S1	CH2M	9/30/2002	547,307.97	1,490,341.88	NAVD 88
33	OLD-17-41C	MW	1	0.006 Pre Pack	Sch. 40 PVC	8/20/2002	TT	HS	FM	52.23	52.0	90.77	91.00	46	51	ACTIVE	S1	CH2M	9/30/2002	547,102.86	1,490,468.15	NAVD 88
34	OLD-17-42B	MW	1	0.006 Pre Pack	Sch. 40 PVC	8/21/2002	TT	HS	SU	32.75	29.5	92.63	89.40	24	29	ACTIVE	S1	CH2M	9/30/2002	546,994.37	1,490,414.72	NAVD 88
35	OLD-17-43C	MW	1	0.006 Pre Pack	Sch. 40 PVC	8/21/2002	TT	HS	SU	48.95	52.0	92.45	89.40	46	51	ACTIVE	S1	CH2M	9/30/2002	547,000.41	1,490,417.30	NAVD 88
36	OLD-17-44A	MW	1	0.006 Pre Pack	Sch. 40 PVC	8/21/2002	TT	HS	SU	19.25	16.0	92.65	89.50	5	15	ACTIVE	S1	CH2M	9/30/2002	547,050.75	1,490,268.75	NAVD 88
37	OLD-17-45C	MW	1	0.006 Pre Pack	Sch. 40 PVC	8/22/2002	TT	HS	FM	51.38	51.0	90.82	91.20	45	50	ACTIVE	S1	CH2M	9/30/2002	547,400.27	1,490,443.76	NAVD 88
38	OLD-17-46C	MW	1	0.006 Pre Pack	Sch. 40 PVC	11/21/2002	TT	HS	FM	51.50	51.0	88.20	88.70	45	50	ACTIVE	S1	CH2M	3/18/2002	547,569.24	1,490,425.43	NAVD 88
39	OLD-17-47D	MW	1	0.006 Pre Pack	Sch. 40 PVC	11/21/2002	TT	HS	FM	58.78	58.0	88.02	88.80	52	57	ACTIVE	S1	CH2M	3/18/2002	547,574.02	1,490,430.19	NAVD 88
40	OLD-17-48C	MW	1	0.006 Pre Pack	Sch. 40 PVC	11/22/2002	TT	HS	FM	51.30	51.0	91.20	91.50	45	50	ACTIVE	S1	CH2M	3/18/2002	547,610.03	1,490,651.42	NAVD 88
41	OLD-17-49D	MW	1	0.006 Pre Pack	Sch. 40 PVC	11/22/2002	TT	HS	FM	58.34	58.0	91.07	91.40	52	57	ACTIVE	S1	CH2M	3/18/2002	547,613.53	1,490,655.21	NAVD 88
42	OLD-17-50C	MW	1	0.006 Pre Pack	Sch. 40 PVC	11/22/2002	TT	HS	FM	47.61	51.0	92.79	89.40	45	50	ACTIVE	S1	CH2M	3/18/2002	547,375.29	1,490,632.91	NAVD 88
43	OLD-17-51D	MW	1	0.006 Pre Pack	Sch. 40 PVC	11/22/2002	TT	HS	FM	54.78	58.0	92.62	89.40	52	57	ACTIVE	S1	CH2M	3/18/2002	547,380.26	1,490,632.94	NAVD 88
44	OLD-17-53B1	MW	1.9	SS Mesh	CMT	5/19/2006	CH2M	RD	FM	20.48	20.0	89.46	89.94	15	20	ACTIVE	S1	CH2M	8/15/2006	546,861.27	1,490,411.47	NAVD 88
45	OLD-17-53B2									25.48	25.0	89.46	89.94	20.5	25							
46	OLD-17-53C1									34.98	34.5	89.46	89.94	30	34.5							
47	OLD-17-53C2									40.48	40.0	89.46	89.94	35.5	40							
48	OLD-17-54B	MW	2	0.010 PVC	Sch. 40 PVC	5/17/2006	CH2M	RD	FM	26.38	26.0	89.45	89.83	20	25	ACTIVE	S1	CH2M	8/15/2006	546,863.38	1,490,391.73	NAVD 88
49	OLD-17-54C	MW	2	0.010 PVC	Sch. 40 PVC	5/11/2006	CH2M	RD	FM	40.89	40.5	89.44	89.83	35	40	ACTIVE	S1	CH2M	8/15/2006	546,863.94	1,490,394.51	NAVD 88
50	OLD-17-55B	MW	2	0.010 PVC	Sch. 40 PVC	5/17/2006	CH2M	RD	FM	26.40	26.0	89.32	89.72	20	25	ACTIVE	S1	CH2M	8/15/2006	546,844.58	1,490,389.31	NAVD 88
51	OLD-17-55C	MW	2	0.010 PVC	Sch. 40 PVC	5/10/2006	CH2M	RD	FM	40.98	40.5	89.19	89.67	35	40	ACTIVE	S1	CH2M	8/15/2006	546,847.29	1,490,388.82	NAVD 88
52	OLD-17-56B	MW	2	0.010 PVC	Sch. 40 PVC	5/17/2006	CH2M	RD	FM	26.32	26.0	89.62	89.94	20	25	ACTIVE	S1	CH2M	8/15/2006	546,844.77	1,490,409.27	NAVD 88
53	OLD-17-56C	MW	2	0.010 PVC	Sch. 40 PVC	5/15/2006	CH2M	RD	FM	41.35	41.0	89.48	89.83	35	40	ACTIVE	S1	CH2M	8/15/2006	546,846.16	1,490,406.87	NAVD 88
54	OLD-17-57B	MW	2	0.010 PVC	Sch. 40 PVC	5/17/2006	CH2M	RD	FM	26.46	26.0	89.64	90.10	20	25	ACTIVE	S1	CH2M	8/15/2006	546,838.56	1,490,413.75	NAVD 88
55	OLD-17-57C	MW	2	0.010 PVC	Sch. 40 PVC	5/15/2006	CH2M	RD	FM	40.39	40.0	89.60	89.99	35	40	ACTIVE	S1	CH2M	8/15/2006	546,839.31	1,490,411.33	NAVD 88
56	OLD-17-58B	MW	2	0.010 PVC	Sch. 40 PVC	5/17/2006	CH2M	RD	FM	26.40	26.0	88.52	88.92	20	25	ACTIVE	S1	CH2M	8/15/2006	546,855.07	1,490,388.93	NAVD 88
57	OLD-17-58C	MW	2	0.010 PVC	Sch. 40 PVC	5/16/2006	CH2M	RD	FM	41.37	41.0	88.66	89.03	35	40	ACTIVE	S1	CH2M	8/15/2006	546,857.70	1,490,387.10	NAVD 88
58	OLD-17-59D	MW	2	0.010 PVC	Sch. 40 PVC	4/22/2013	SIES	RD	FM	~67	67.0	89.60	NS	62	67	ACTIVE	S1	SIES	8/7/2013	546,849.03	1,490,480.78	NAVD 88
59	OLD-17-60D	MW	2	0.010 PVC	Sch. 40 PVC	4/23/2013	SIES	RD	FM	~68	68.0	88.70	NS	63	68	ACTIVE	S1	SIES	8/7/2013	546,821.12	1,490,335.91	NAVD 88

REMEDIAL WELL CONSTRUCTION DETAILS
STUDY AREA 17

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

	WELL DESIGNATION	TYPE	WELL INNER DIAMETER (inch)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (ft bgs)	TOC ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	STATUS	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
1	OLD-17-IW-01B	INJ	2	0.020 PVC V-wire	Sch. 40 PVC	5/19/2006	CH2M	RD	FM	26	89.96	15	25	ACTIVE	S1	CH2M	8/15/2006	546,857.30	1,490,424.80	NAVD 88
2	OLD-17-IW-01C	INJ	2	0.020 PVC V-wire	Sch. 40 PVC	5/18/2006	CH2M	RD	FM	41	89.87	30	40	ACTIVE	S1	CH2M	8/15/2006	546,855.01	1,490,426.79	NAVD 88
3	OLD-17-IW-02B	INJ	2	0.020 PVC V-wire	Sch. 40 PVC	5/18/2006	CH2M	RD	FM	26	89.97	15	25	ACTIVE	S1	CH2M	8/15/2006	546,874.74	1,490,413.43	NAVD 88
4	OLD-17-IW-02C	INJ	2	0.020 PVC V-wire	Sch. 40 PVC	5/16/2006	CH2M	RD	FM	41	89.79	30	40	ACTIVE	S1	CH2M	8/15/2006	546,879.93	1,490,409.78	NAVD 88
5	OLD-17-IW-03B	INJ	2	0.020 PVC V-wire	Sch. 40 PVC	5/17/2006	CH2M	RD	FM	26	89.54	15	25	ACTIVE	S1	CH2M	8/15/2006	546,869.29	1,490,385.60	NAVD 88
6	OLD-17-IW-03C	INJ	2	0.020 PVC V-wire	Sch. 40 PVC	5/11/2006	CH2M	RD	FM	41	89.49	30	40	ACTIVE	G2	CH2M	8/15/2006	546,870.35	1,490,388.25	NAVD 88
7	OLD-17-IW-04B	INJ	2	0.020 PVC V-wire	Sch. 40 PVC	5/9/2006	CH2M	RD	FM	26	89.43	15	25	ACTIVE	S1	CH2M	8/15/2006	546,852.74	1,490,381.55	NAVD 88
8	OLD-17-IW-04C	INJ	2	0.020 PVC V-wire	Sch. 40 PVC	5/9/2006	CH2M	RD	FM	41	89.50	30	40	ACTIVE	S1	CH2M	8/15/2006	546,857.63	1,490,379.32	NAVD 88
9	OLD-17-IW-05B	INJ	2	0.020 PVC V-wire	Sch. 40 PVC	5/17/2006	CH2M	RD	FM	25	89.35	15	25	ACTIVE	S1	CH2M	8/15/2006	546,831.69	1,490,394.50	NAVD 88
10	OLD-17-IW-05C	INJ	2	0.020 PVC V-wire	Sch. 40 PVC	5/10/2006	CH2M	RD	FM	41	89.44	30	40	ACTIVE	S1	CH2M	8/15/2006	546,834.65	1,490,393.40	NAVD 88
11	OLD-17-IW-06B	INJ	2	0.020 PVC V-wire	Sch. 40 PVC	5/17/2006	CH2M	RD	FM	25	89.96	15	25	ACTIVE	S1	CH2M	8/15/2006	546,831.10	1,490,418.86	NAVD 88
12	OLD-17-IW-06C	INJ	2	0.020 PVC V-wire	Sch. 40 PVC	5/15/2006	CH2M	RD	FM	41	89.90	30	40	ACTIVE	S1	CH2M	8/15/2006	546,831.91	1,490,415.62	NAVD 88
13	OLD-17-EW-01	EXT	4	0.020 PVC V-wire	Sch. 40 PVC	5/12/2006	CH2M	RD	FM	25	89.45	15	25	ACTIVE	S1	CH2M	8/15/2006	546,853.22	1,490,404.29	NAVD 88
14	OLD-17-EW-02	EXT	4	0.020 PVC V-wire	Sch. 40 PVC	5/11/2006	CH2M	RD	FM	40	89.56	30	40	ACTIVE	S1	CH2M	8/15/2006	546,855.93	1,490,402.33	NAVD 88



Legend

Monitoring Well
- Shallow A Zone
- Upper Intermediate B Zone
- Deep D Zone, unconfined
- SA36NW Monitoring Wells

- Study Area 36 Site Boundary
- Parcel Boundary
- 2025 Historical Buildings
- Fence Line

0 20 40 80 Feet

1 inch = 40 feet

Data Sources:
- Parcel Boundary provided by Orange County, FL GIS
- Study Area 36 Boundary, Fence Line, and Historical Buildings provided by Tetra Tech EGIS

FIGURE 1
SITE LAYOUT/WELL LOCATION MAP
Study Area 36
Main Base
Orlando, Florida

NAVFAC Naval Facilities Engineering Command
RESOLUTION CONSULTANTS

REQUESTED BY: M. Sweeney	DATE: 5/29/2014
DRAWN BY: M. Martin	TASK ORDER NUMBER: JM42

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WELL CONSTRUCTION DETAILS
STUDY AREA 36

NAVALTRAINING CENTER ORLANDO
ORLANDO, FLORIDA

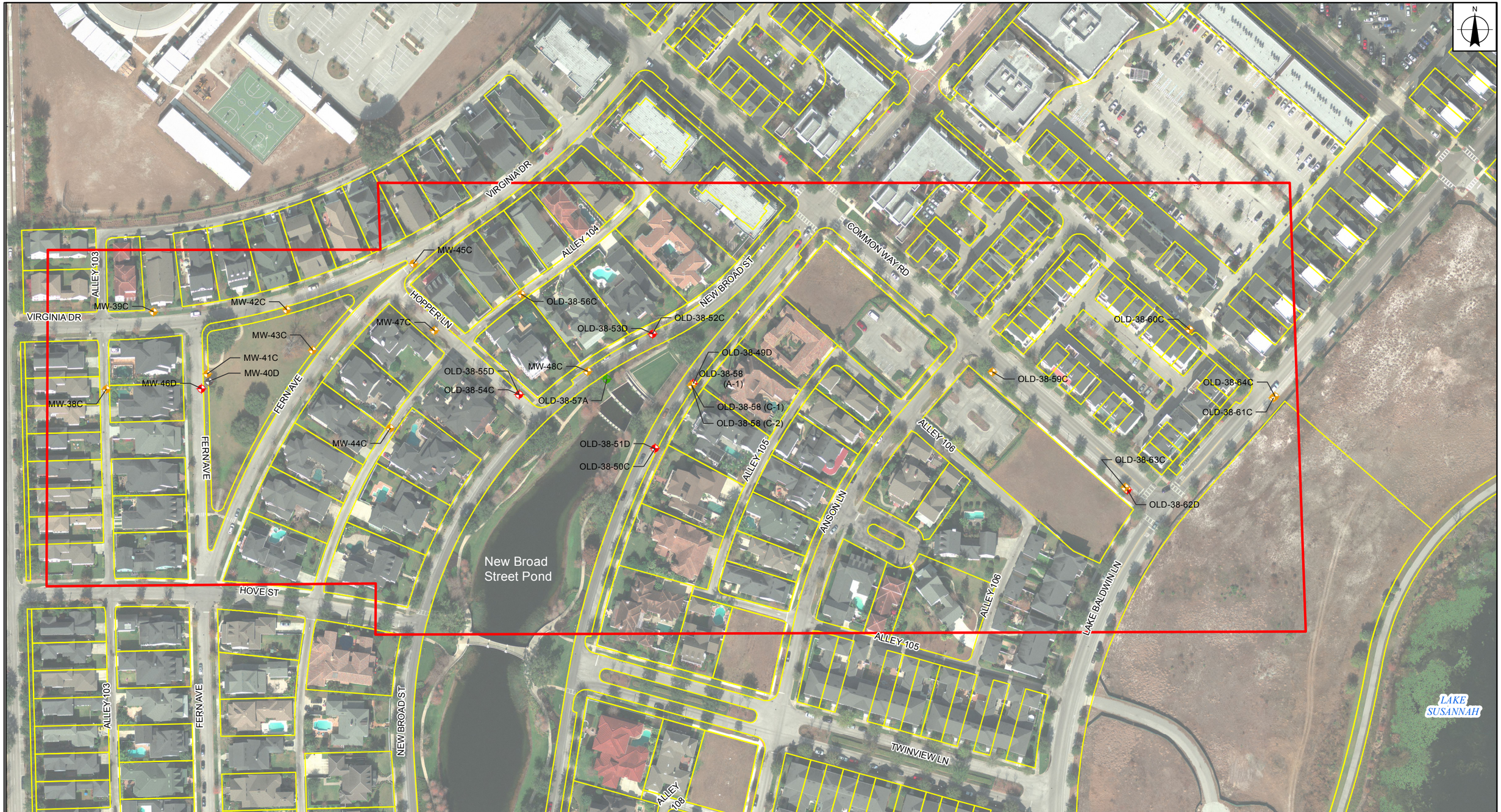
No.	WELL DESIGNATION	TYPE	WELL INNER DIAMETER	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	STATUS	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
	OLD-36-01A	MW	2			10/8/1997	HLA									Abandoned				549,523.96	1,537,920.52	
1	OLD-36-01AR	MW	2	0.010 PVC	PVC Schd 40	4/20/2002	NDS	HS	FM	17.8	18.45	114.44	114.6	8	18	Active	S1	BSA	5/15/2008	549,500.73	1,537,944.62	NAVD 88
	OLD-36-02A	MW	2			10/8/1997	HLA									Abandoned				549,557.01	1,537,894.04	
2	OLD-36-02AR	MW	2	0.010 PVC	PVC Schd 40	4/29/2002	NDS	HS	FM	17.1	17.22	113.55	113.9	8	18	Active	S1	BSA	5/15/2008	549,528.55	1,537,979.42	NAVD 88
	OLD-36-03A	MW	2			10/8/1997	HLA									Abandoned				549,569.97	1,537,603.18	
	OLD-36-04A	MW	2			10/8/1997	HLA									Abandoned				549,512.75	1,537,539.23	
	OLD-36-05A	MW	2			10/8/1997	HLA									Abandoned				549,527.94	1,537,640.60	
	OLD-36-06A	MW	2			10/8/1997	HLA									Abandoned				549,519.96	1,537,871.85	
	OLD-36-07A	MW	2			6/17/1998	HLA									Abandoned				549,517.90	1,537,886.80	
3	OLD-36-07AR	MW	2	0.010 PVC	PVC Schd 40	5/24/2002	NDS	HS	FM	16.5	17.3	113.00	113.2	7	17	Active	S1	BSA	5/15/2008	549,527.82	1,537,896.19	NAVD 88
	OLD-36-08B	MW	2			6/17/1998	HLA									Abandoned				549,517.20	1,537,892.30	
4	OLD-36-08BR	MW	2	0.010 PVC	PVC Schd 40	5/24/2002	NDS	HS	FM	20	19.61	113.01	113.2	15	20	Active	S1	BSA	5/15/2008	549,525.21	1,537,888.80	NAVD 88
	OLD-36-09C	MW	2			6/17/1998										Abandoned				549,516.10	1,537,897.30	
5	OLD-36-09CR	MW	2	0.010 PVC	PVC Schd 40	5/28/2002	NDS	HS	FM	33.2	33.11	112.98	113.2	29	34	Active	S1	BSA	5/15/2008	549,523.71	1,537,885.06	NAVD 88
	OLD-36-10B	MW	2			6/17/1998										Abandoned				549,513.60	1,537,938.10	
6	OLD-36-10BR	MW	2	0.010 PVC	PVC Schd 40	4/20/2002	NDS	HS	FM	21	21.14	114.11	114.5	16	21	Active	S1	BSA	5/15/2008	549,505.94	1,537,945.01	NAVD 88
	OLD-36-11C	MW	2			6/18/1998										Abandoned				549,511.10	1,537,945.00	
7	OLD-36-11CR	MW	2	0.010 PVC	PVC Schd 40	5/22/2002	NDS	HS	FM	32.2	32.08	114.53	114.7	27	32	Active	S1	BSA	5/15/2008	549,503.07	1,537,949.16	NAVD 88
	OLD-36-12C	MW	2			10/27/1998	HLA									Abandoned				549,494.90	1,537,941.40	
	OLD-36-13D	MW	2			10/28/1998	HLA									Abandoned				549,512.30	1,537,893.90	
	OLD-36-14D	MW	2			10/28/1998	HLA									Abandoned				549,554.00	1,537,874.50	
	OLD-36-15A	MW	2			4/11/2000	TtNUS									Abandoned				549,510.97	1,537,525.14	
	OLD-36-16A	MW	2			8/14/2000	TtNUS									Abandoned				549,520.79	1,537,817.00	
	OLD-36-17B	MW	2			8/14/2000	TtNUS									Abandoned				549,521.35	1,537,813.36	
	OLD-36-18C	MW	2			8/14/2000	TtNUS									Abandoned				549,521.82	1,537,810.10	
8	OLD-36-18CR	MW	2	0.010 PVC	PVC Schd 40	5/29/2002	NDS	HS	FM	32.2	32.14	112.64	112.9	26	31	Active	S1	BSA	5/15/2008	549,485.68	1,537,805.42	NAVD 88
	OLD-36-19A	MW	2				TtNUS									Abandoned				549,442.41	1,537,910.66	
9	OLD-36-19AR	MW	2	0.010 PVC	PVC Schd 40	5/1/2002	NDS	HS	FM	17.2	17.18	114.66	114.9	7.5	17.5	Active	S1	BSA	5/15/2008	549,443.65	1,537,910.23	NAVD 88
	OLD-36-20B	MW	2			8/15/2000	TtNUS									Abandoned				549,442.94	1,537,914.62	
10	OLD-36-20BR	MW	2	0.010 PVC	PVC Schd 40	5/1/2002	NDS	HS	FM	22.7	22.73	114.62	114.9	18	23	Active	S1	BSA	5/15/2008	549,443.89	1,537,914.39	NAVD 88
	OLD-36-21C	MW	2			8/15/2000	TtNUS									Abandoned				549,443.26	1,537,918.28	
	OLD-36-22B	MW	2			8/15/2000	TtNUS									Abandoned				549,519.59	1,537,980.29	
11	OLD-36-22BR	MW	2	0.010 PVC	PVC Schd 40	4/29/2002	NDS	HS	FM	21.3	21.24	113.57	113.8	16.5	21.5	Active	S1	BSA	5/15/2008	549,531.42	1,537,983.76	NAVD 88
	OLD-36-23C	MW	2			8/15/2000	TtNUS									Abandoned				549,515.19	1,537,979.72	
12	OLD-36-23CR	MW	2	0.010 PVC	PVC Schd 40	4/29/2002	NDS	HS	FM	34.6	34.52	113.62	113.8	30	35	Active	S1	BSA	5/15/2008	549,534.16	1,537,987.48	NAVD 88

WELL CONSTRUCTION DETAILS
STUDY AREA 36

NAVALTRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL DESIGNATION	TYPE	WELL INNER DIAMETER	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	STATUS	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
	OLD-36-24B	MW	2			8/14/2000	TtNUS									Abandoned				549,600.88	1,537,838.87	
13	OLD-36-24BR	MW	2	0.010 PVC	PVC Schd 40	4/30/2002	NDS	HS	FM	22.5	22.53	114.21	114.5	18	23	Active	S1	BSA	5/15/2008	549,648.66	1,537,828.83	NAVD 88
	OLD-36-25C	MW	2			8/16/2000	TtNUS									Abandoned				549,600.26	1,537,834.51	
	OLD-36-25CR	MW	2			4/29/2002	NDS									Abandoned				549,585.01	1,537,845.36	
	OLD-36-26A	MW	2			11/8/2000	CCI									Abandoned				549,510.67	1,537,878.13	
	OLD-36-27A	MW	2			11/8/2000	CCI									Abandoned				549,508.93	1,537,896.05	
	OLD-36-28B	MW	2			11/10/2000	CCI									Abandoned				549,507.42	1,537,899.26	
	OLD-36-29B	MW	2			11/10/2000	CCI									Abandoned				549,502.66	1,537,906.11	
	OLD-36-30C	MW	2			11/9/2000	CCI									Abandoned				549,525.96	1,537,889.96	
	OLD-36-31C	MW	2			11/14/2000	CCI									Abandoned				549,520.86	1,537,893.95	
	OLD-36-32C	MW	2			11/14/2000	CCI									Abandoned				549,492.02	1,537,917.64	
	OLD-36-33A	MW	2			11/14/2000	CCI									Abandoned				549,600.01	1,537,830.60	
14	OLD-36-33AR	MW	2	0.010 PVC	PVC Schd 40	4/30/2002	NDS	HS	FM	16.6	16.55	114.21	114.5	7	17	Active	S1	BSA	5/15/2008	549,646.70	1,537,824.35	NAVD 88
	OLD-36-34B	MW	2			11/14/2000	CCI									Abandoned				549,606.22	1,537,958.50	
	OLD-36-35C	MW	2			11/14/2000	CCI									Abandoned				549,610.39	1,537,958.94	
15	OLD-36-35CR	MW	2	0.010 PVC	PVC Schd 40	4/29/2002	NDS	HS	FM	34.6	34.27	114.38	114.7	29	34	Active	S1	BSA	5/15/2008	549,676.39	1,537,881.52	NAVD 88
	OLD-36-36C	MW	2			11/15/2000	CCI									Abandoned				549,637.94	1,537,802.71	
16	OLD-36-36CR	MW	2	0.010 PVC	PVC Schd 40	4/30/2002	NDS	HS	FM	30.5	34.58	114.23	114.5	29	34	Active	S1	BSA	5/15/2008	549,650.97	1,537,834.19	NAVD 88
	OLD-36-37C	MW	2			11/9/2000	CCI									Abandoned				549,473.52	1,538,001.90	

All site wells abandoned in Dec. 2001 due to site redevelopment - Final SI Report 2003-Tetra Tech, Locations provided in report



Legend

Monitoring Well

- Zone A - Shallow
- Zone B - Upper Intermediate
- Zone D - Deep, unconfined
- Zone D - Deep, semi-confined
- Well Abandoned or Destroyed

- Study Area 36NW Boundary
- Parcel Boundary

0 75 150 300 Feet

1 inch = 150 feet

Basemap Sources:
Imagery - Florida Department of Transportation (FDOT, 2012)

FIGURE 1
SITE LAYOUT/WELL LOCATION MAP
Study Area 36NW
McCoy Annex
Orlando, Florida

NAVFAC Naval Facilities Engineering Command

RESOLUTION CONSULTANTS

REQUESTED BY: M. Sweeney	DATE: 4/22/2014
DRAWN BY: M. Martin	TASK ORDER NUMBER: JM42

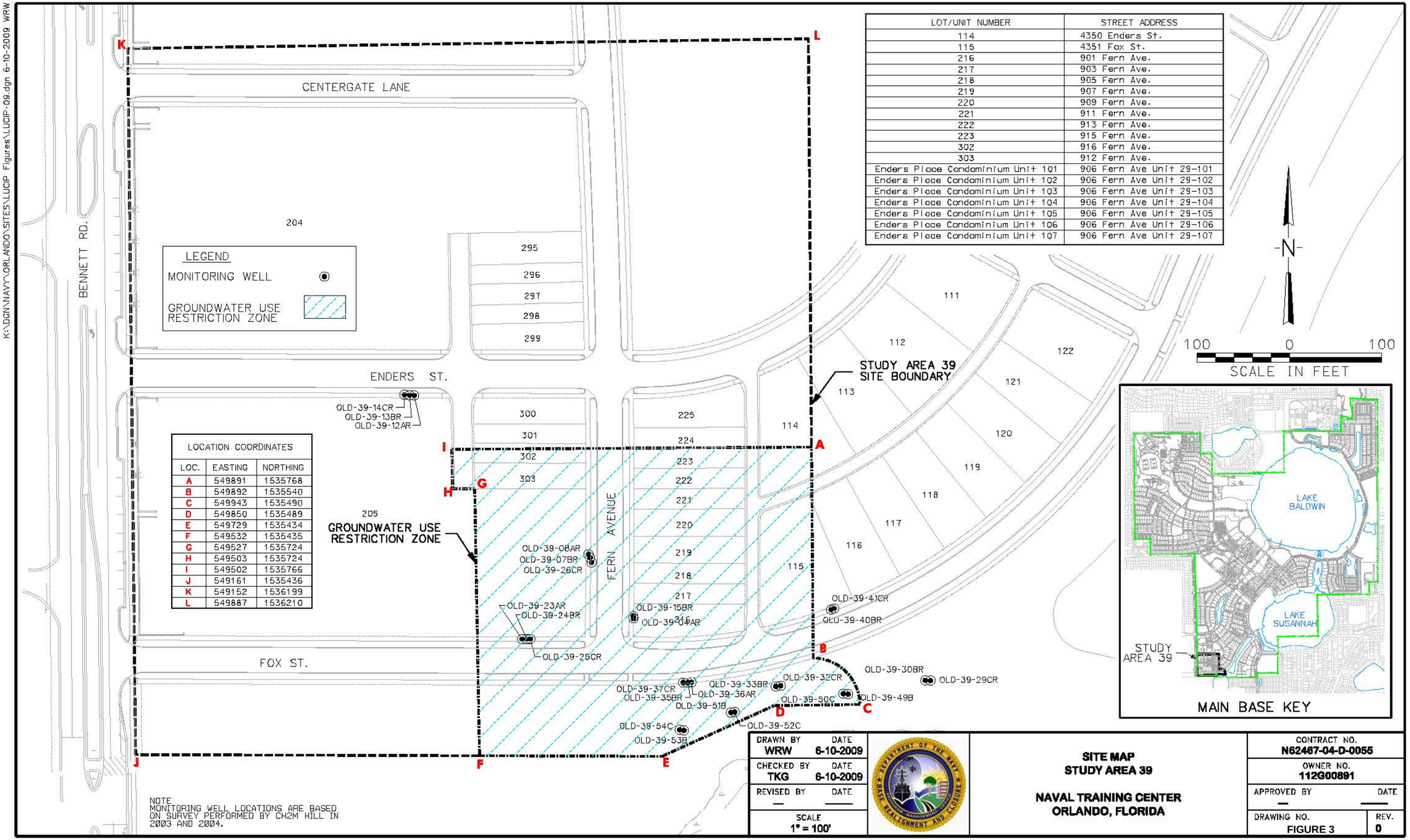
WELL CONSTRUCTION DETAILS
STUDY AREA 36 NORTHWEST

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

No.	WELL DESIGNATION	TYPE	WELL INNER DIAMETER	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (ft bgs)	TOC ELEVATION	GROUND ELEVATION	TOP OF SCREEN (ft bgs)	BOTTOM OF SCREEN (ft bgs)	STATUS	SURVEY METHOD	SURVEYOR	DATE SURVEYED	EASTING	NORTHING	VERTICAL DATUM
1	MW-38C	MW	2	0.0060 PVC	PVC Sch 40	9/5/2003	TT	HS	FM	35	35.5	115.59	115.89	30	35	ACTIVE	S1	CH2M	12/2/2003	549,256.67	1,538,002.58	NGVD 29
2	MW-39C	MW	2	0.0060 PVC	PVC Sch 40	9/8/2003	TT	HS	FM	35	35.5	114.77		30	35	ACTIVE	S1	CH2M	12/2/2003	549,333.25	1,538,128.53	NGVD 29
*	MW-40D	MW									55	115.19		49	54	ABANDONED	S1	CH2M	12/2/2003	549,423.36	1,538,014.69	NGVD 29
3	MW-41C	MW	2	0.0060 PVC	PVC Sch 40	9/3/2003	TT	HS	FM	35	35.5	114.62	114.82	30	35	ACTIVE	S1	CH2M	12/2/2003	549,420.83	1,538,027.58	NGVD 29
4	MW-42C	MW	2	0.0060 PVC	PVC Sch 40	9/3/2003	TT	HS	FM	35	35.5	113.09	113.48	30	35	ACTIVE	S1	CH2M	12/2/2003	549,549.84	1,538,131.51	NGVD 29
5	MW-43C	MW	2	0.0060 PVC	PVC Sch 40	9/4/2003	TT	HS	FM	35	35.5	113.35	113.61	30	35	ACTIVE	S1	CH2M	12/2/2003	549,591.51	1,538,065.70	NGVD 29
6	MW-44C	MW	2	0.0060 PVC	PVC Sch 40	9/5/2003	TT	HS	FM	35	35.5	114.65	115.06	30	35	ACTIVE	S1	CH2M	12/2/2003	549,717.50	1,537,939.02	NGVD 29
7	MW-45C	MW	2	0.0060 PVC	PVC Sch 40	8/24/2004	TT	RD	FM	35	35.5	112.28	112.50	30	35	ACTIVE	S1	CH2M	11/1/2004	549,755.77	1,538,206.46	NGVD 29
8	MW-46D	MW	2	0.0060 PVC	PVC Sch 40	8/24/2004	TT	RD	FM	60	60.5	114.62	114.96	55	60	ACTIVE	S1	CH2M	11/1/2004	549,411.12	1,538,003.49	NGVD 29
9	MW-47C	MW	2	0.0060 PVC	PVC Sch 40	4/15/2005	TT	RD	FM	36	36.5	111.88	112.30	31	36	ACTIVE	S1	CH2M	5/11/2005	549,789.76	1,538,097.61	NGVD 29
10	MW-48C	MW	2	0.0060 PVC	PVC Sch 40	4/15/2005	TT	RD	FM	36	36.5	113.52	113.68	31	36	ACTIVE	S1	CH2M	5/11/2005	550,038.14	1,538,031.24	NGVD 29
11	OLD-38-49D	MW	2	0.006 PVC	PVC Sch 40	6/12/2007	TT	RD	FM	62	63	113.33	113.72	57	62	ACTIVE	S1	CH2M	8/7/2007	550,209.62	1,538,011.91	NGVD 29
12	OLD-38-50C	MW	1	0.006 PVC	PVC Sch 40	6/14/2007	TT	RD	FM	38	40	113.87	114.22	33	38	ACTIVE	S1	CH2M	8/7/2007	550,147.48	1,537,905.75	NGVD 29
13	OLD-38-51D	MW	1	0.006 PVC	PVC Sch 40	6/14/2007	TT	RD	FM	50	51	113.88	114.22	45	50	ACTIVE	S1	CH2M	8/7/2007	550,147.58	1,537,905.63	NGVD 29
14	OLD-38-52C	MW	1	0.006 PVC	PVC Sch 40	6/15/2007	TT	RD	FM	40	41	114.32	114.57	35	40	ACTIVE	S1	CH2M	8/7/2007	550,143.73	1,538,092.63	NGVD 29
15	OLD-38-53D	MW	1	0.006 PVC	PVC Sch 40	6/15/2007	TT	RD	FM	49	50	114.33	114.57	44	49	ACTIVE	S1	CH2M	8/7/2007	550,143.76	1,538,092.46	NGVD 29
16	OLD-38-54C	MW	1	0.006 PVC	PVC Sch 40	6/15/2007	TT	RD	FM	40	41	112.50	112.72	35	40	ACTIVE	S1	CH2M	8/7/2007	549,927.35	1,537,993.38	NGVD 29
17	OLD-38-55D	MW	1	0.006 PVC	PVC Sch 40	6/15/2007	TT	RD	FM	50	51	112.53	112.72	45	50	ACTIVE	S1	CH2M	8/7/2007	549,927.32	1,537,993.57	NGVD 29
18	OLD-38-56C	MW	1	0.006 PVC	PVC Sch 40	8/8/2007	TT	HS	FM	35	35.5	114.65	114.93	30	35	ACTIVE	S1	CH2M	8/7/2007	549,930.70	1,538,156.30	NGVD 29
19	OLD-38-57A	MW	1	0.006 PVC	PVC Sch 40	8/9/2007	TT	HS	FM	15	15.5	113.70	114.08	5	15	ACTIVE	S1	CH2M	8/7/2007	550,068.89	1,538,018.33	NGVD 29
20	OLD-38-58-1 (A-1)	CMT	0.375	0.006 PVC	PVC Sch 40	8/9/2007	TT	HS	FM	15	15	113.18	113.18	5	15	ACTIVE	S1	CH2M	8/7/2007	550,207.36	1,538,008.87	NGVD 29
21	OLD-38-58-2 (C-1)	CMT	0.375	0.006 PVC	PVC Sch 40	8/9/2007	TT	HS	FM	35	35	113.18	113.18	30	35	ACTIVE	S1	CH2M	8/7/2007	550,207.28	1,538,008.95	NGVD 29
22	OLD-38-58-3 (C-2)	CMT	0.375	0.006 PVC	PVC Sch 40	8/9/2007	TT	HS	FM	45	45	113.19	113.19	40	45	ACTIVE	S1	CH2M	8/7/2007	550,207.34	1,538,008.94	NGVD 29
23	OLD-38-59C	MW	1.5	0.010 PVC	PVC Sch 40	6/4/2008	TT	DPT	FM	40	40	106.07	106.23	35	40	ACTIVE	S1	TT	8/18/2008	550,695.67	1,538,030.27	NGVD 29
24	OLD-38-60C	MW	1.5	0.010 PVC	PVC Sch 40	6/4/2008	TT	DPT	FM	35	35	105.93	106.19	30	35	ACTIVE	S1	TT	8/18/2008	551,015.81	1,538,099.32	NGVD 29
25	OLD-38-61C	MW	1.5	0.010 PVC	PVC Sch 40	6/6/2008	TT	DPT	FM	35	35	105.71	105.88	30	35	ACTIVE	S1	TT	8/18/2008	551,151.70	1,537,988.00	NGVD 29
26	OLD-38-62D	MW	1.5	0.010 PVC	PVC Sch 40	6/5/2008	TT	DPT	FM	60	60	106.29	106.51	55	60	ACTIVE	S1	TT	8/18/2008	550,914.46	1,537,838.81	NGVD 29
27	OLD-38-63C	MW	2	0.006 PVC	PVC Sch 40	8/19/2011	TT	HS	FM	47	47	106.30	106.44	36.5	46.5	ACTIVE	S1	TT	8/30/2011	550,911.36	1,537,842.63	NGVD 29
28	OLD-38-64C	MW	2	0.006 PVC	PVC Sch 40	8/19/2011	TT	HS	FM	47	47	105.71	105.97	36	46	ACTIVE	S1	TT	8/30/2011	551,153.94	1,537,991.07	NGVD 29

* Abandoned in Aug 2004, replaced by 46D; SAR Jan 2006, Tetra Tech

K:\DGN\NAVY\ORLANDO\SITES\LUCIP Figures\LUCIP-09.dgn 6-10-2009 WRW



LOT/UNIT NUMBER	STREET ADDRESS
114	4350 Enders St.
115	4351 Fox St.
216	901 Fern Ave.
217	903 Fern Ave.
218	905 Fern Ave.
219	907 Fern Ave.
220	909 Fern Ave.
221	911 Fern Ave.
222	913 Fern Ave.
223	915 Fern Ave.
302	916 Fern Ave.
303	912 Fern Ave.
Enders Place Condominium Unit 101	906 Fern Ave Unit 29-101
Enders Place Condominium Unit 102	906 Fern Ave Unit 29-102
Enders Place Condominium Unit 103	906 Fern Ave Unit 29-103
Enders Place Condominium Unit 104	906 Fern Ave Unit 29-104
Enders Place Condominium Unit 105	906 Fern Ave Unit 29-105
Enders Place Condominium Unit 106	906 Fern Ave Unit 29-106
Enders Place Condominium Unit 107	906 Fern Ave Unit 29-107

LOCATION COORDINATES

LOC.	EASTING	NORTHING
A	549891	1535768
B	549892	1535540
C	549943	1535490
D	549850	1535489
E	549729	1535434
F	549532	1535435
G	549527	1535724
H	549503	1535724
I	549502	1535766
J	549161	1535436
K	549152	1536199
L	549887	1536210

NOTE
MONITORING WELL LOCATIONS ARE BASED ON SURVEY PERFORMED BY CH2M HILL IN 2003 AND 2004.

DRAWN BY WRW	DATE 6-10-2009
CHECKED BY TKG	DATE 6-10-2009
REVISED BY —	DATE —
SCALE 1" = 100'	

SITE MAP
STUDY AREA 39

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

CONTRACT NO. N62467-04-D-0055	
OWNER NO. 112G00891	
APPROVED BY —	DATE —
DRAWING NO. FIGURE 3	REV. 0

WELL CONSTRUCTION DETAILS
STUDY AREA 39

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

WELL DESIGNATION	TYPE	WELL INNER DIAMETER (inch)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (ft. bgs)	TOC Elevation	F/M RIM Elevation	TOP OF SCREEN (bgs in ft)	BOTTOM OF SCREEN (bgs in ft)	STATUS	EASTING	NORTHING	VERTICAL DATUM	NOTES
OLD-39-01A	MW				3/19/1996										ABANDONED	549,562.94	1,535,909.15		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-02A	MW				3/19/1996										ABANDONED	549,316.72	1,535,605.45		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-03A	MW				3/20/1996										ABANDONED	549,665.12	1,535,661.37		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-04A	MW				3/20/1996										ABANDONED	549,865.44	1,535,615.39		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-04AR	MW	2	0.010 PVC	PVC Sch 40	4/13/2002	NDS	HS	FM	15	15.38	115.89	116.270	5	15	ABANDONED	549,698.21	1,535,583.44	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-05A	MW				3/20/1996										ABANDONED	549,517.25	1,535,612.39		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-06A	MW				4/22/1996										ABANDONED				Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-07B	MW														ABANDONED	549,671.94	1,535,661.37		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-07BR	MW	2	0.010 PVC	PVC Sch 40	4/13/2002	NDS	HS	FM	37	37.36	116.79	117.150	32	37	ABANDONED	549,651.42	1,535,648.72	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-08A	MW														ABANDONED				Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-08AR	MW	2	0.010 PVC	PVC Sch 40	4/13/2002	NDS	HS	FM	18	18.33	116.84	117.165	8	18	ABANDONED	549,649.55	1,535,652.60	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-09A	MW														ABANDONED				Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-10A	MW														ABANDONED				Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-11A	MW														ABANDONED				Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-12A	MW														ABANDONED	549,637.86	1,535,721.03		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-12AR	MW	2	0.010 PVC	PVC Sch 40	4/22/2002	NDS	HS	FM	17	17.295	118.49	118.785	7	17	ABANDONED	549,461.37	1,535,824.15	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-13B	MW														ABANDONED	549,638.03	1,535,716.26		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-13BR	MW	2	0.010 PVC	PVC Sch 40	4/22/2002	NDS	HS	FM	28	28.29	118.51	118.800	23	28	ABANDONED	549,456.37	1,535,824.44	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-14C	MW														ABANDONED	549,638.42	1,535,711.81		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-14CR	MW	2	0.010 PVC	PVC Sch 40	4/22/2002	NDS	HS	FM	39	39.285	118.55	118.830	34	39	ABANDONED	549,450.81	1,535,824.87	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-15B	MW														ABANDONED	549,865.25	1,535,610.90		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-15BR	MW	2	0.010 PVC	PVC Sch 40	4/13/2002	NDS	HS	FM	24	24.27	116.02	116.290	19	24	ABANDONED	549,698.10	1,535,585.34	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-16C	MW														ABANDONED	549,865.16	1,535,606.19		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-17A	MW														DESTROYED	549,849.97	1,535,502.12		1999 Realignment and Closure SSR, Harding Lawson
OLD-39-18B	MW														DESTROYED	549,854.42	1,535,502.01		1999 Realignment and Closure SSR, Harding Lawson
OLD-39-19C	MW														DESTROYED	549,860.22	1,535,502.29		1999 Realignment and Closure SSR, Harding Lawson
OLD-39-20A	MW														DESTROYED	549,735.61	1,535,506.69		1999 Realignment and Closure SSR, Harding Lawson
OLD-39-21B	MW														DESTROYED	549,731.57	1,535,503.55		1999 Realignment and Closure SSR, Harding Lawson
OLD-39-22C	MW														DESTROYED	549,727.15	1,535,500.04		1999 Realignment and Closure SSR, Harding Lawson
OLD-39-23A	MW														DESTROYED	549,646.59	1,535,479.22		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill. 1999 Realignment and Closure SSR, Harding Lawson
OLD-39-23AR	MW	2	0.010 PVC	PVC Sch 40	4/13/2002	NDS	HS	FM	17	17.305	116.73	117.035	7	17	ABANDONED	549,578.17	1,535,560.72	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-24B															DESTROYED	549,649.60	1,535,475.92		1999 Realignment and Closure SSR, Harding Lawson
OLD-39-24BR	MW	2	0.010 PVC	PVC Sch 40	4/13/2002	NDS	HS	FM	28	28.26	116.77	117.025	23	28	ABANDONED	549,583.30	1,535,560.89	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-25C															DESTROYED	549,653.49	1,535,471.59		1999 Realignment and Closure SSR, Harding Lawson
OLD-39-25CR	MW	2	0.010 PVC	PVC Sch 40	4/22/2002	NDS	HS	FM	40	40.36	116.64	117.000	35	40	ABANDONED	549,586.84	1,535,561.08	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-26C	MW														ABANDONED	549,676.23	1,535,615.39		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-26CR	MW	2	0.010 PVC	PVC Sch 40	5/2/2002	NDS	HS	FM	40	40.33	116.77	117.095	35	40	ABANDONED	549,653.00	1,535,643.76	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-27D															ABANDONED	549,855.12	1,535,505.15		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.

WELL CONSTRUCTION DETAILS
STUDY AREA 39

NAVAL TRAINING CENTER ORLANDO
ORLANDO, FLORIDA

WELL DESIGNATION	TYPE	WELL INNER DIAMETER (inch)	SCREEN MATERIAL	CASING MATERIAL	DATE INSTALLED	INSTALLED BY	DRILLING METHOD	FM=flush mount SU=stick up	TOTAL DEPTH (BTOC)	TOTAL DEPTH (ft. bgs)	TOC Elevation	F/M RIM Elevation	TOP OF SCREEN (bgs in ft)	BOTTOM OF SCREEN (bgs in ft)	STATUS	EASTING	NORTHING	VERTICAL DATUM	NOTES
OLD-39-28D															ABANDONED	550,026.30	1,535,502.73		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-29C															ABANDONED	550,032.36	1,535,503.60		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-29CR	MW	2	0.010 PVC	PVC Sch 40	11/1/2004	NDS	HS	FM	40	40.16	115.57	115.730	35	40	ABANDONED	550,019.21	1,535,515.96	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-30B															ABANDONED	550,038.11	1,535,504.14		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-30BR	MW	2	0.010 PVC	PVC Sch 40	11/1/2004	NDS	HS	FM	29	30.2	115.62	115.820	24	29	ABANDONED	550,013.51	1,535,516.30	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-31A															ABANDONED	550,045.84	1,535,505.17		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-32C															ABANDONED	549,861.22	1,535,505.70		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-32CR	MW	2	0.010 PVC	PVC Sch 40	4/13/2002	NDS	HS	FM	37	37.24	115.99	116.230	32	37	ABANDONED	549,857.55	1,535,510.49	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-33B															ABANDONED	549,854.30	1,535,510.70		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-33BR	MW	2	0.010 PVC	PVC Sch 40	4/13/2002	NDS	HS	FM	27	27.23	115.97	116.200	22	27	ABANDONED	549,852.03	1,535,509.72	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-34A															ABANDONED	549,861.04	1,535,510.31		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-35B															ABANDONED	549,760.61	1,535,518.95		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-35BR	MW	2	0.010 PVC	PVC Sch 40	4/13/2002	NDS	HS	FM	27	27.24	115.45	115.690	22	27	ABANDONED	549,757.01	1,535,513.78	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-36A															ABANDONED	549,760.49	1,535,524.67		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-36AR	MW	2	0.010 PVC	PVC Sch 40	4/13/2002	NDS	HS	FM	17	17.19	115.59	115.780	7	17	ABANDONED	549,760.98	1,535,514.24	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-37C															DESTROYED	549,760.43	1,535,512.36		2003 2ND qtr GW Sampling Rpt destroyed on figure-ch2mhill
OLD-39-37CR	MW	2	0.010 PVC	PVC Sch 40	4/13/2002	NDS	HS	FM	40	40.17	115.57	115.730	35	40	ABANDONED	549,752.03	1,535,513.91	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-38B															ABANDONED	549,785.02	1,535,540.59		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-39A															ABANDONED	550,026.70	1,535,605.80		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-40B															ABANDONED	550,026.16	1,535,610.76		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-40BR	MW	2	0.010 PVC	PVC Sch 40	4/13/2002	NDS	HS	FM	28	28.29	115.38	115.670	23	28	ABANDONED	549,911.75	1,535,592.53	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-41															ABANDONED	550,026.05	1,535,614.79		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-41CR	MW	2	0.010 PVC	PVC Sch 40	4/13/2002	NDS	HS	FM	40	39.99	115.71	115.700	35	40	ABANDONED	549,914.97	1,535,593.84	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-42B															ABANDONED	549,768.45	1,535,531.80		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-43B															ABANDONED	549,770.95	1,535,517.92		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-44B															ABANDONED	549,777.22	1,535,526.13		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-45B															ABANDONED	549,784.75	1,535,536.09		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-46B															ABANDONED	549,790.61	1,535,543.05		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-47A															ABANDONED	549,661.72	1,535,622.75		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-48A															ABANDONED	549,651.87	1,535,630.50		Abandoned for Baldwin Pk devel. 2003-11 2nd qtr gw samp. Rpt. Ch2mhill.
OLD-39-49B	MW	2	0.010 PVC	PVC Sch 40	6/22/2004	CH2M	HS	FM	32.5	32.88	115.30	115.680	22	32	ABANDONED	549,930.25	1,535,501.33	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-50C	MW	2	0.010 PVC	PVC Sch 40	6/22/2004	CH2M	HS	FM	45	45.23	115.39	115.620	34	44	ABANDONED	549,924.88	1,535,501.89	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-51B	MW	2	0.010 PVC	PVC Sch 40	6/23/2004	CH2M	HS	FM	31	31.25	115.33	115.580	20.5	31	ABANDONED	549,803.48	1,535,481.55	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-52C	MW	2	0.010 PVC	PVC Sch 40	6/23/2004	CH2M	HS	FM	48.5	48.85	115.19	115.540	38	48	ABANDONED	549,807.58	1,535,482.08	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-53B	MW	2	0.010 PVC	PVC Sch 40	6/24/2004	CH2M	HS	FM	29.5	29.76	115.66	115.920	19	29	ABANDONED	549,752.81	1,535,462.16	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).
OLD-39-54C	MW	2	0.010 PVC	PVC Sch 40	6/24/2004	CH2M	HS	FM	47	47.31	115.77	116.080	36.5	47	ABANDONED	549,748.16	1,535,462.87	NGVD 29	Abandoned October 22, 2013 by Resolution Consultants (Report of Well Abandonment Tech Memo dated Nov 15, 2013).

APPENDIX C

BORING LOGS, WELL COMPLETION LOGS, SURVEY REPORTS, AND INSPECTION FORMS FOR OPERABLE UNITS 1, 2, 3, AND 4 AND STUDY AREAS 2, 17, 36, 36NW, AND 39

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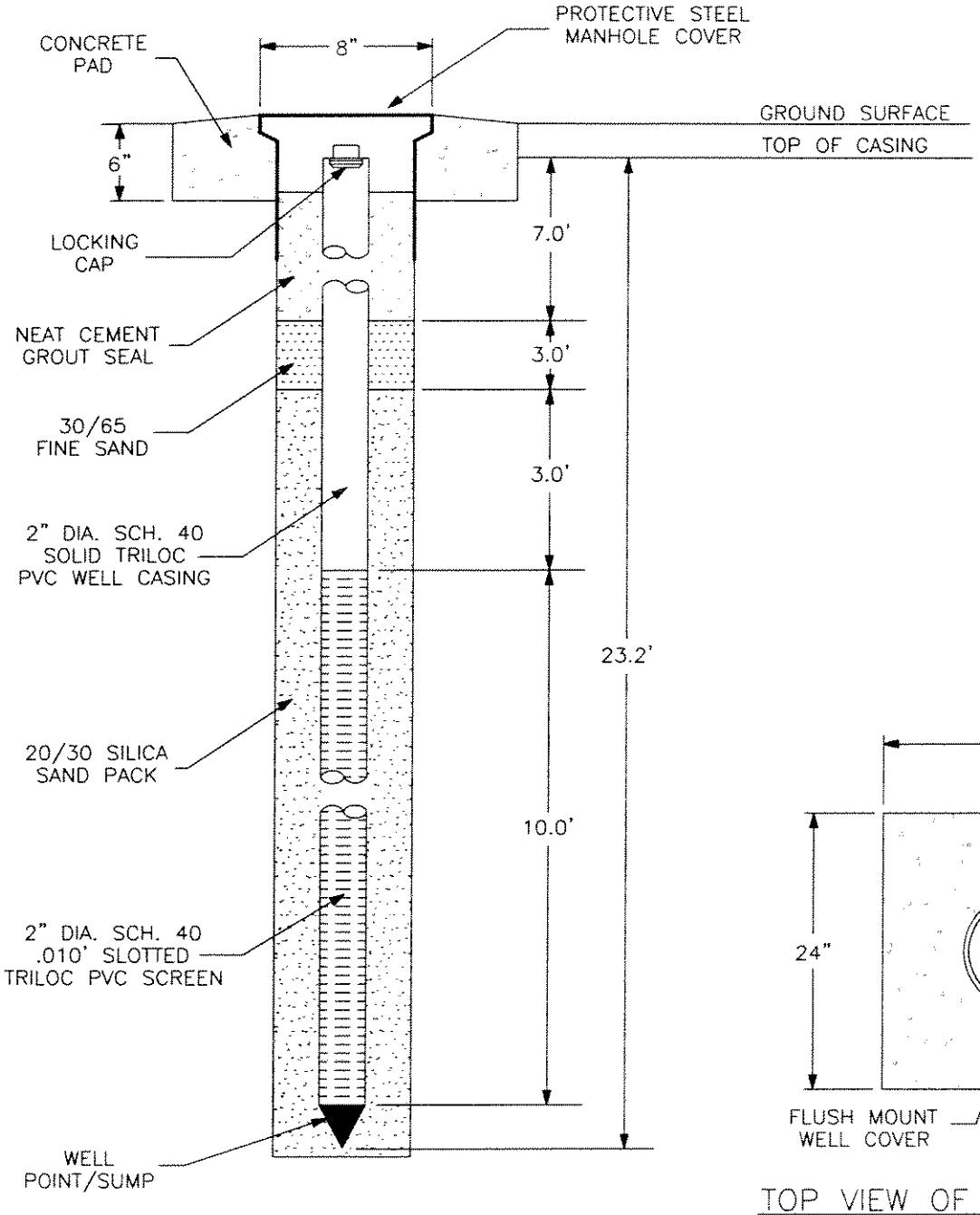
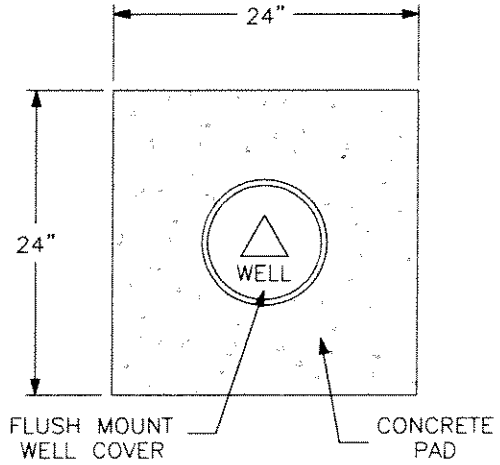
Completion Logs





TOP VIEW OF CROSS-SECTION

MONITORING WELL No. MW-R10A

INSTALLATION REPORT

INSTALLATION DATE: 5-6-03

INSTALLED BY: NODARSE & ASSOCIATES, INC.

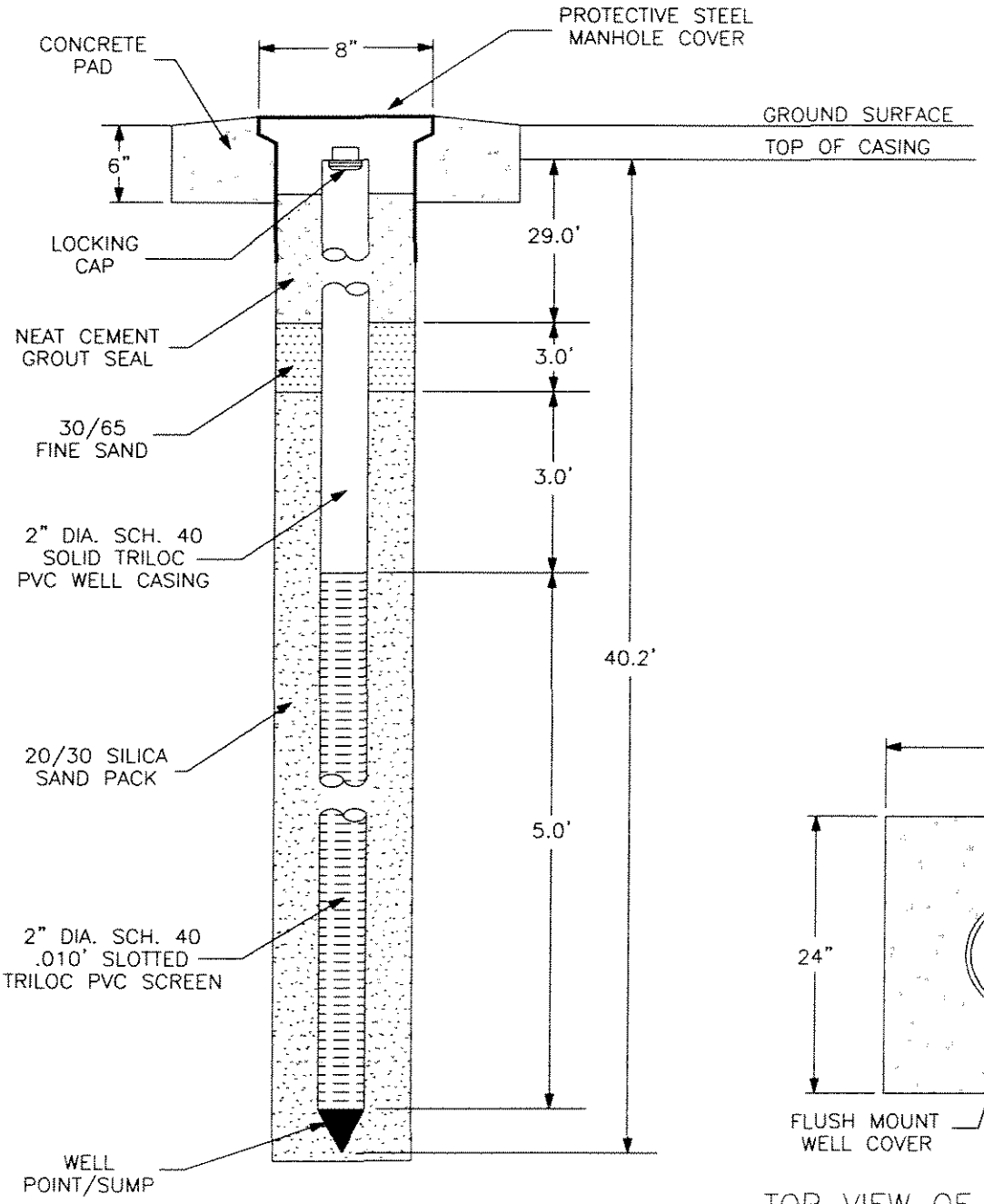
DEPTH TO GROUNDWATER: –

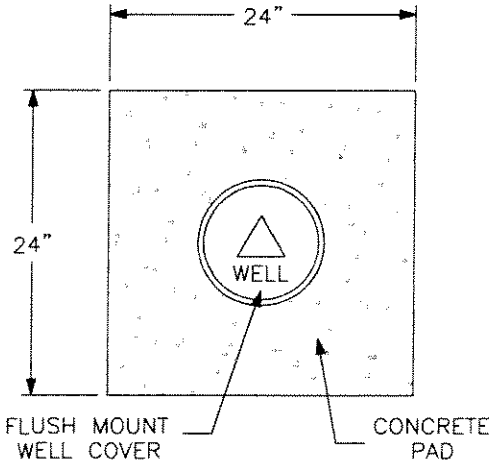
INSTALLATION METHOD: HOLLOW STEM AUGER

WELL CONSTRUCTION DETAIL
BALDWIN COMMUNITY PARK AND
GLENRIDGE MIDDLE SCHOOL
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.
CHKD: DBT	
SCALE: N.T.S.	
DATE: 6-13-03	PROJ. NO: W00-E-011 — DEATIL: 1

Jun 17, 2003 - 11:14am





TOP VIEW OF CROSS-SECTION

MONITORING WELL No. MW-R11B

INSTALLATION REPORT

INSTALLATION DATE: 5-7-03

INSTALLED BY: NODARSE & ASSOCIATES, INC.

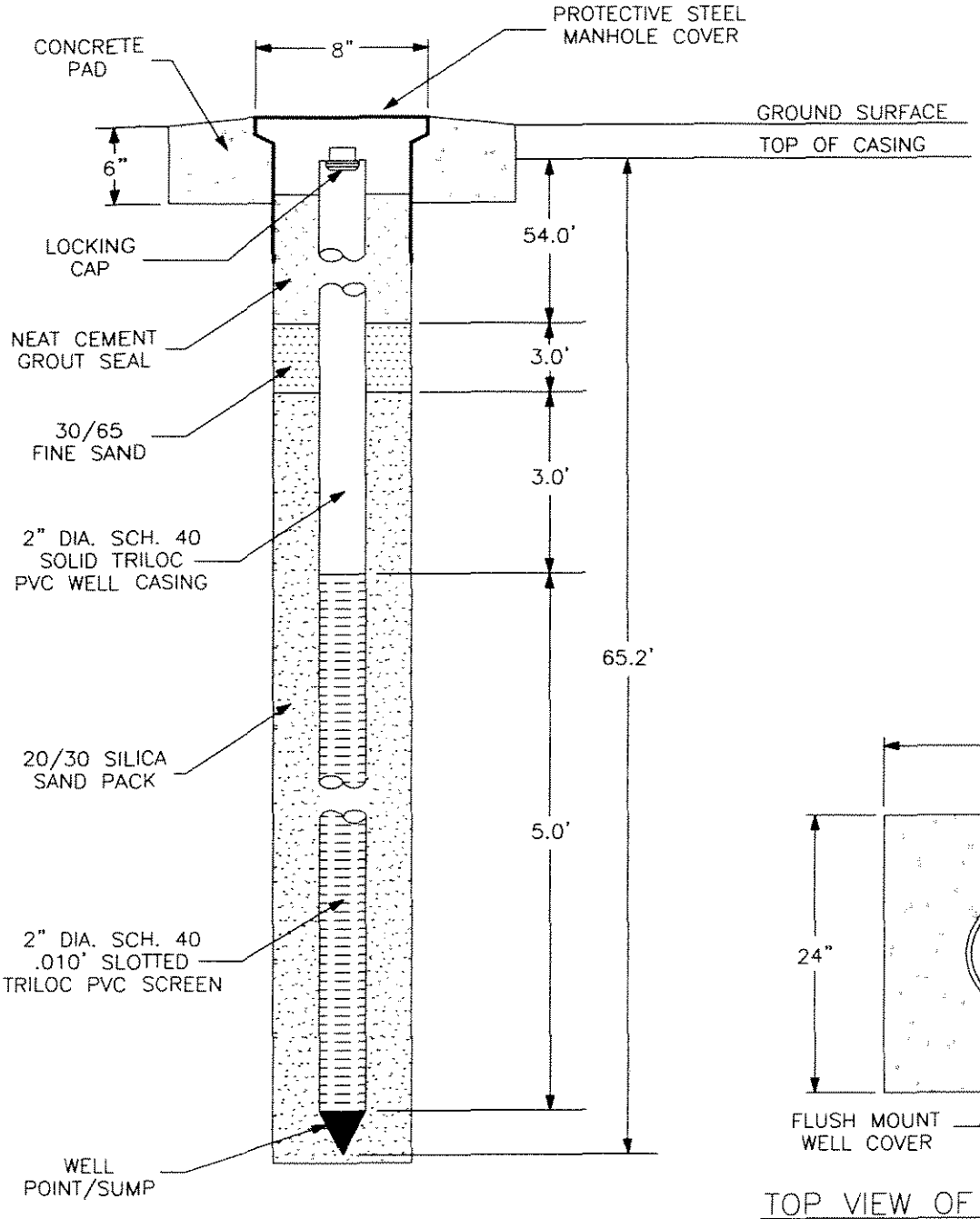
DEPTH TO GROUNDWATER: –

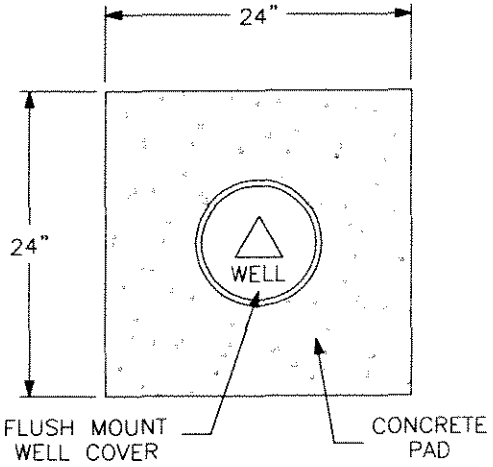
INSTALLATION METHOD: MUD ROTARY

WELL CONSTRUCTION DETAIL
BALDWIN COMMUNITY PARK AND
GLENRIDGE MIDDLE SCHOOL
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.	
CHKD: DBT		
SCALE: N.T.S.		
DATE: 6-13-03	PROJ. NO: W00-E-011	DEATIL: 2

Jun 17, 2003-11:17am





TOP VIEW OF CROSS-SECTION

MONITORING WELL No. MW-R12C

INSTALLATION REPORT

INSTALLATION DATE: 5-6-03

INSTALLED BY: NODARSE & ASSOCIATES, INC.

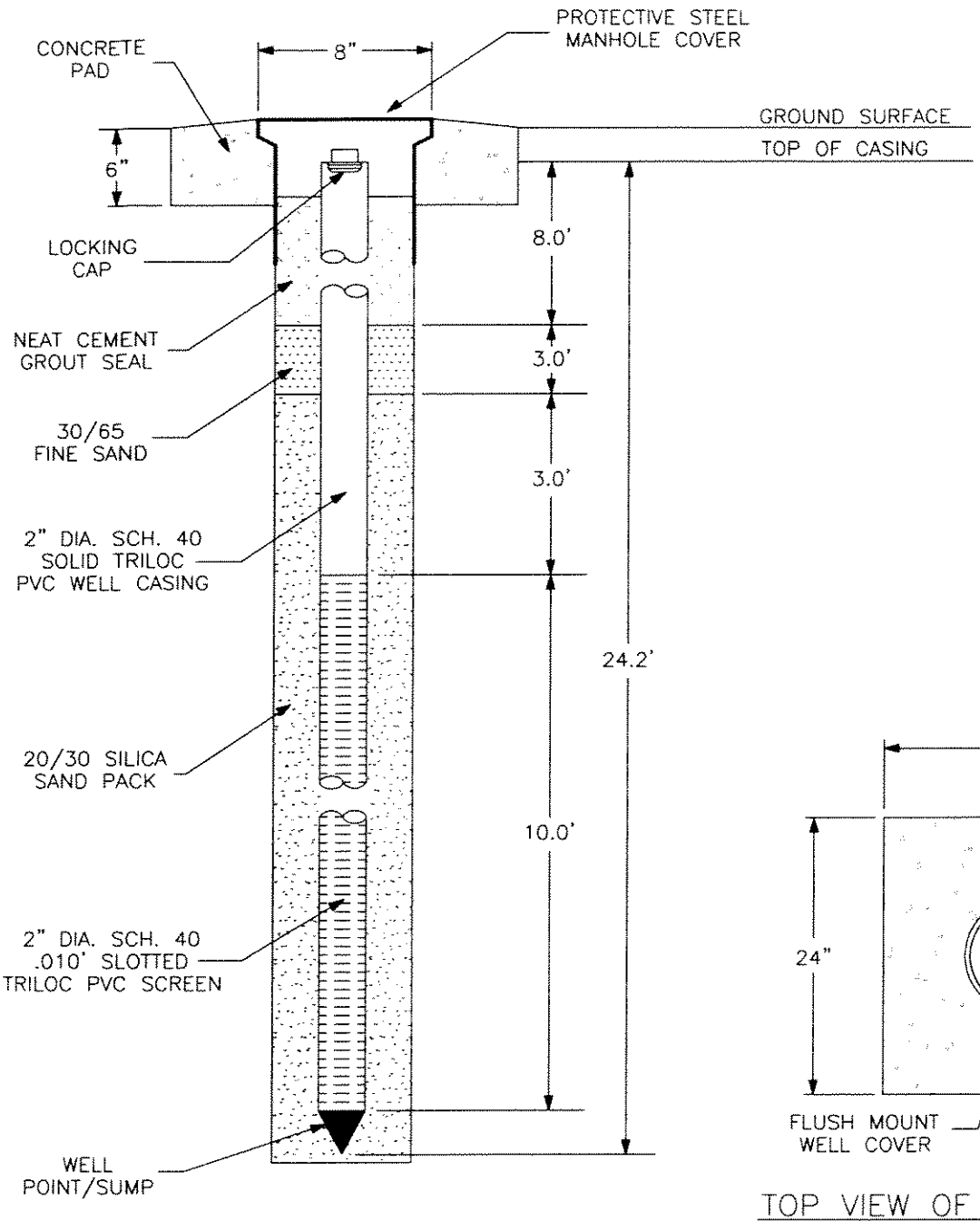
DEPTH TO GROUNDWATER: -

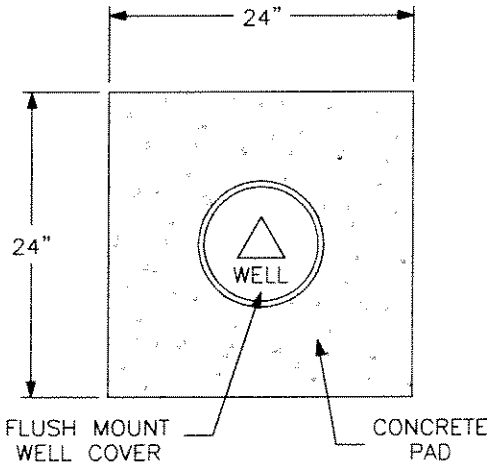
INSTALLATION METHOD: MUD ROTARY

WELL CONSTRUCTION DETAIL
BALDWIN COMMUNITY PARK AND
GLENRIDGE MIDDLE SCHOOL
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.	
CHKD: DBT		
SCALE: N.T.S.		
DATE: 6-13-03	PROJ. NO: W00-E-011	DEATIL: 3

Jun17, 2003 11:18am





TOP VIEW OF CROSS-SECTION

MONITORING WELL No. MW-R13A

INSTALLATION REPORT

INSTALLATION DATE: 5-5-03

INSTALLED BY: NODARSE & ASSOCIATES, INC.

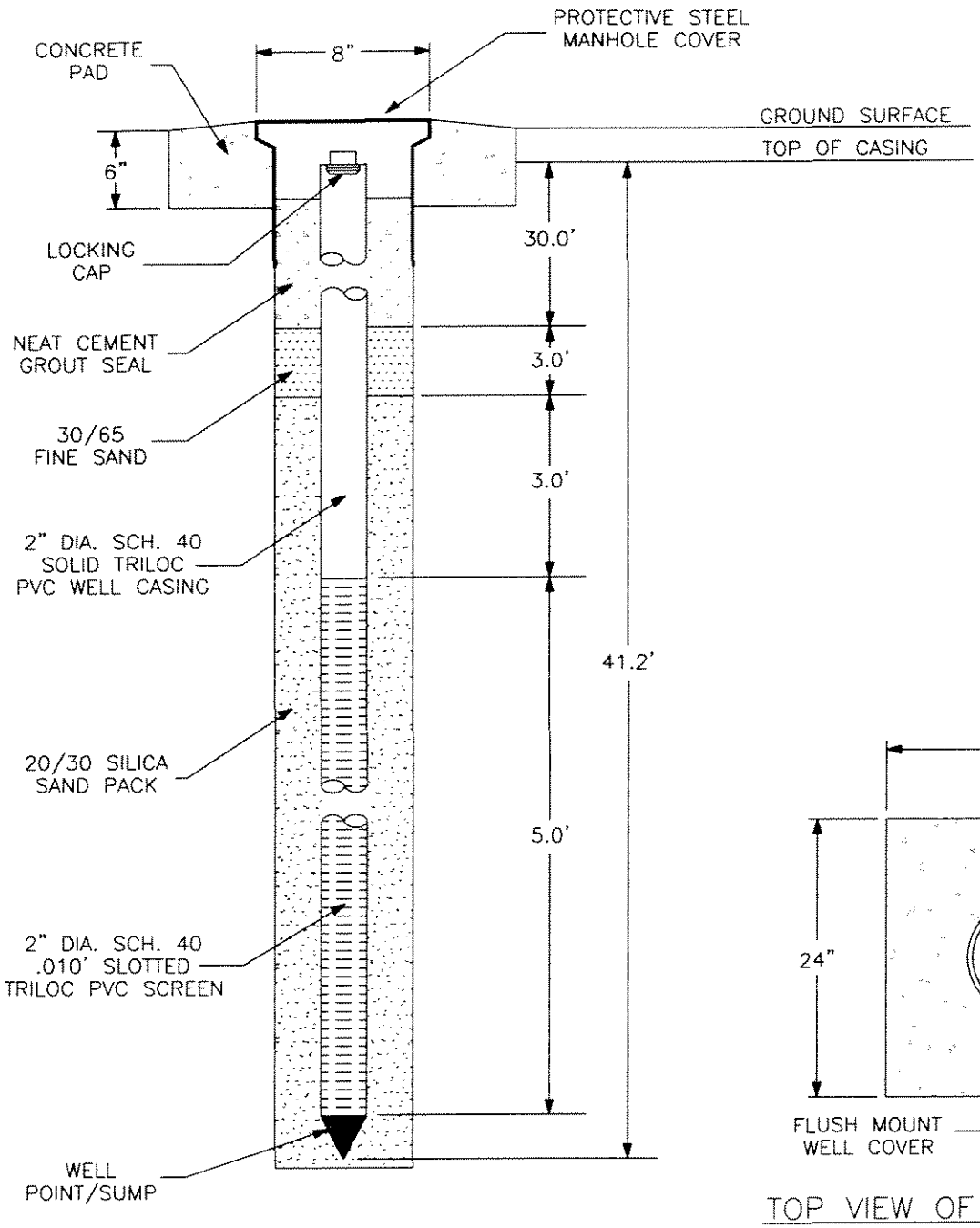
DEPTH TO GROUNDWATER: --

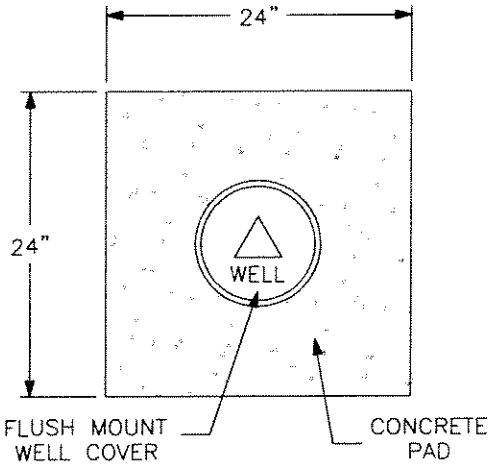
INSTALLATION METHOD: HOLLOW STEM AUGER

WELL CONSTRUCTION DETAIL
BALDWIN COMMUNITY PARK AND
GLENRIDGE MIDDLE SCHOOL
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.
CHKD: DBT	
SCALE: N.T.S.	
DATE: 6-13-03	PROJ. NO: W00-E-011 — DEATIL: 4

Jun17, 2003-11:18am





TOP VIEW OF CROSS-SECTION

MONITORING WELL No. MW-R14B

INSTALLATION REPORT

INSTALLATION DATE: 5-5-03

INSTALLED BY: NODARSE & ASSOCIATES, INC.

DEPTH TO GROUNDWATER: –

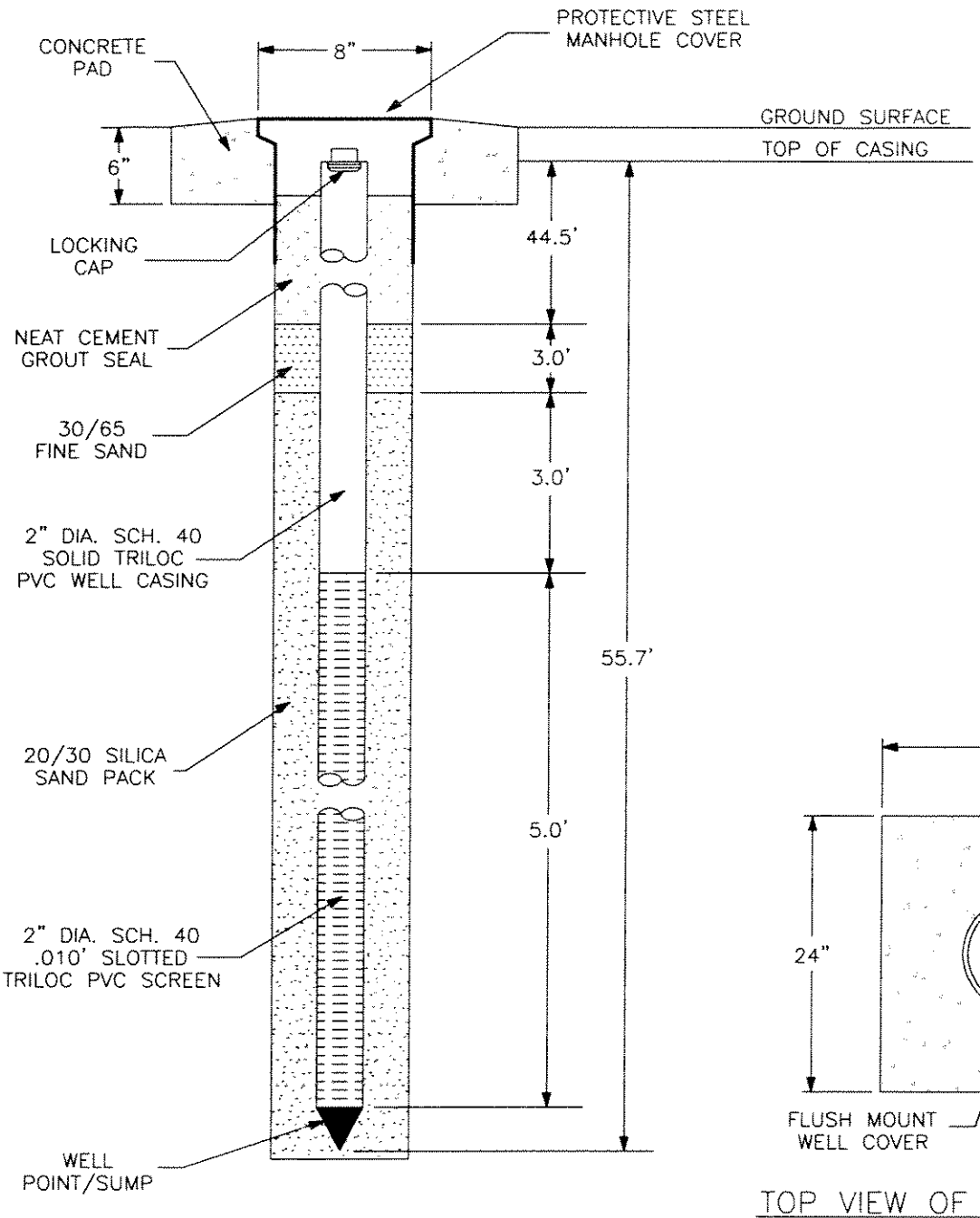
INSTALLATION METHOD: MUD ROTARY

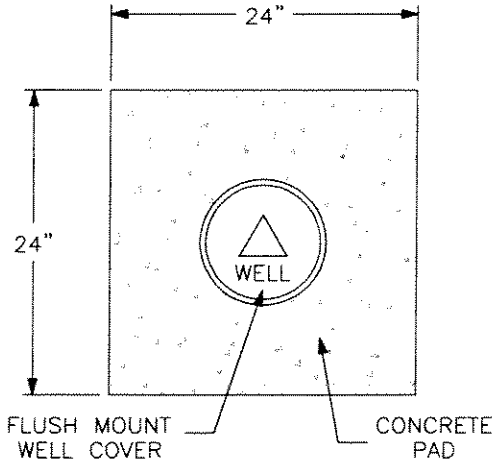
WELL CONSTRUCTION DETAIL
BALDWIN COMMUNITY PARK AND
GLENRIDGE MIDDLE SCHOOL
ORANGE COUNTY, FLORIDA

DRAWN:	MG
CHKD:	DBT
SCALE:	N.T.S.
DATE:	6-13-03
PROJ. NO:	W00-E-011
DEATIL:	5

NODARSE & ASSOCIATES, INC.

Jun 17, 2003 - 11:18am





TOP VIEW OF CROSS-SECTION

MONITORING WELL No. MW-R15C

INSTALLATION REPORT

INSTALLATION DATE: 5-5-03

INSTALLED BY: NODARSE & ASSOCIATES, INC.

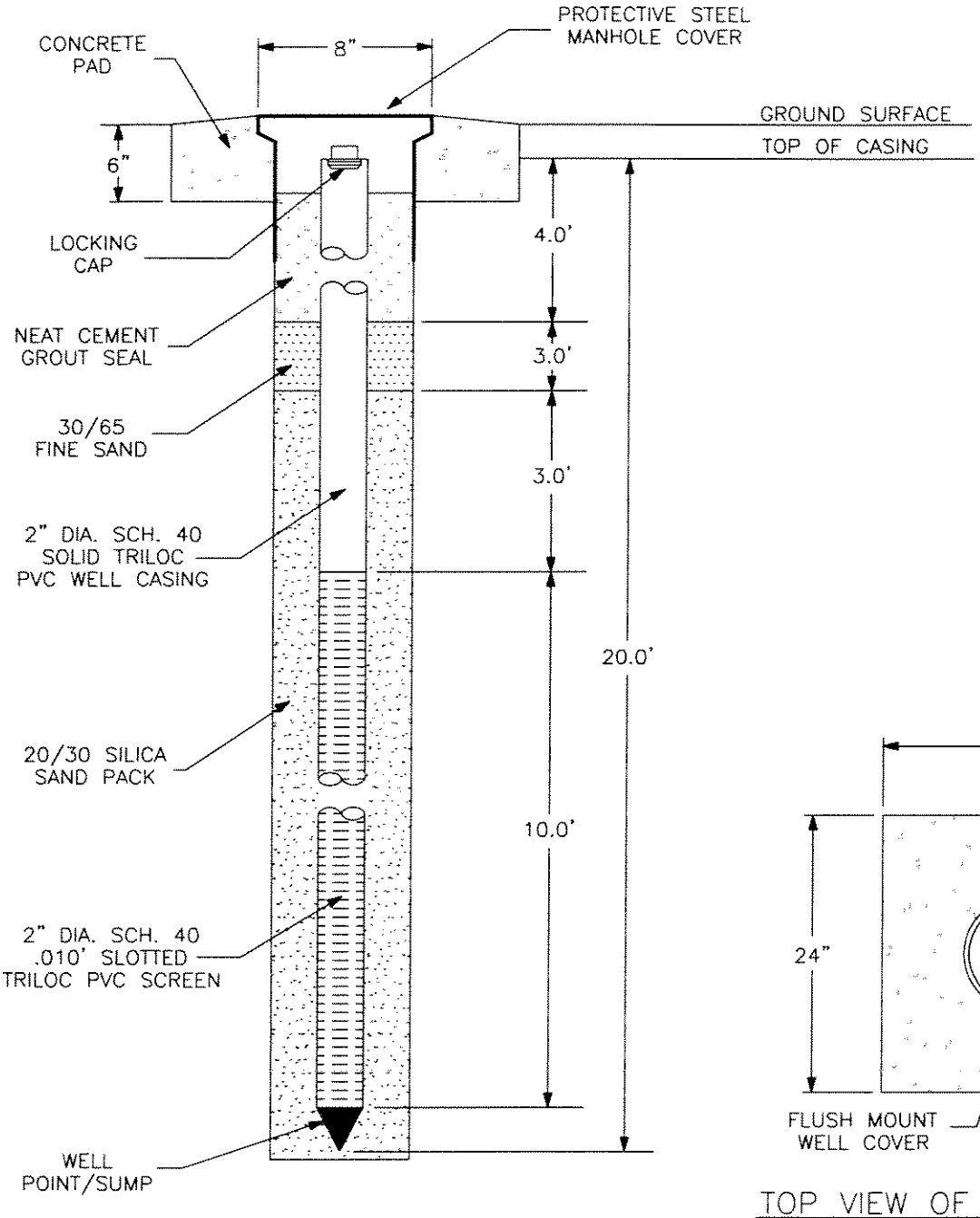
DEPTH TO GROUNDWATER: –

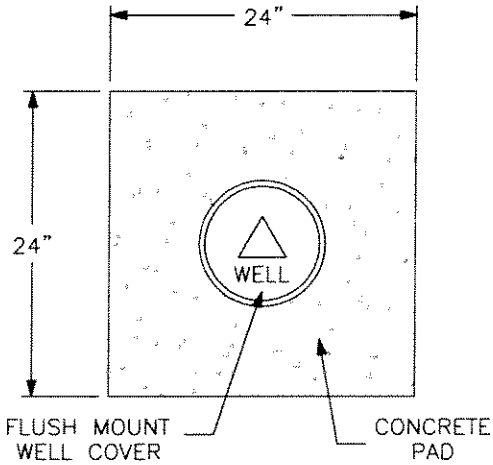
INSTALLATION METHOD: MUD ROTARY

WELL CONSTRUCTION DETAIL
BALDWIN COMMUNITY PARK AND
GLENRIDGE MIDDLE SCHOOL
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.	
CHKD: DBT		
SCALE: N.T.S.		
DATE: 6-13-03	PROJ. NO: W00-E-011	DEATIL: 6

Jun17, 2003-11:19am





TOP VIEW OF CROSS-SECTION

MONITORING WELL No. MW-R16A

INSTALLATION REPORT

INSTALLATION DATE: 5-7-03

INSTALLED BY: NODARSE & ASSOCIATES, INC.

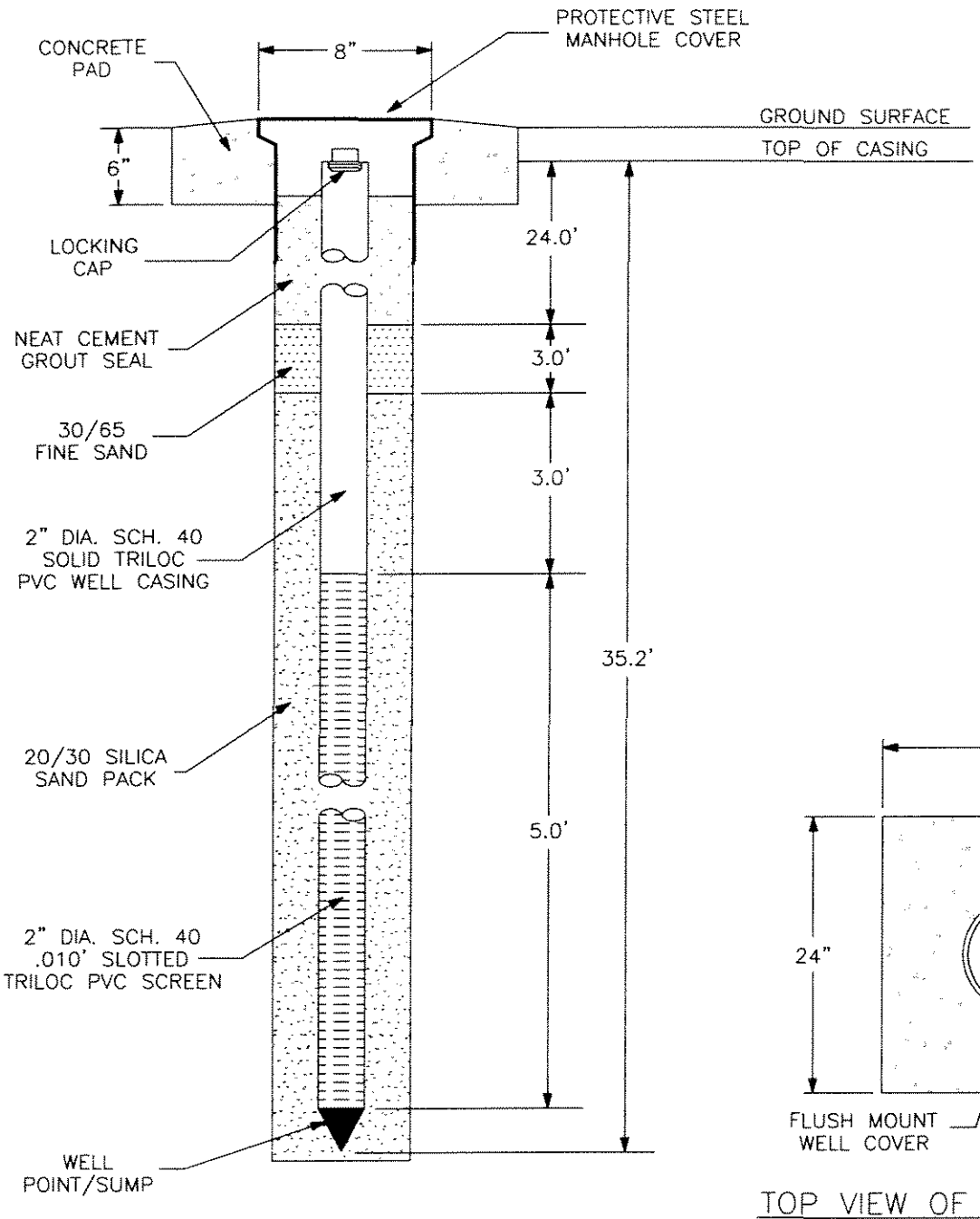
DEPTH TO GROUNDWATER: -

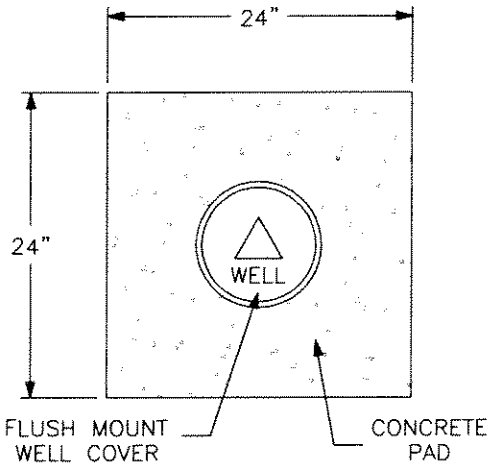
INSTALLATION METHOD: HOLLOW STEM AUGER

WELL CONSTRUCTION DETAIL
BALDWIN COMMUNITY PARK AND
GLENRIDGE MIDDLE SCHOOL
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.
CHKD: DBT	
SCALE: N.T.S.	
DATE: 6-13-03	PROJ. NO: W00-E-011 — DEATIL: 7

Jun17, 2003 - 11:19am





TOP VIEW OF CROSS-SECTION

MONITORING WELL No. MW-R17B

INSTALLATION REPORT

INSTALLATION DATE: 5-8-03

INSTALLED BY: NODARSE & ASSOCIATES, INC.

DEPTH TO GROUNDWATER: –

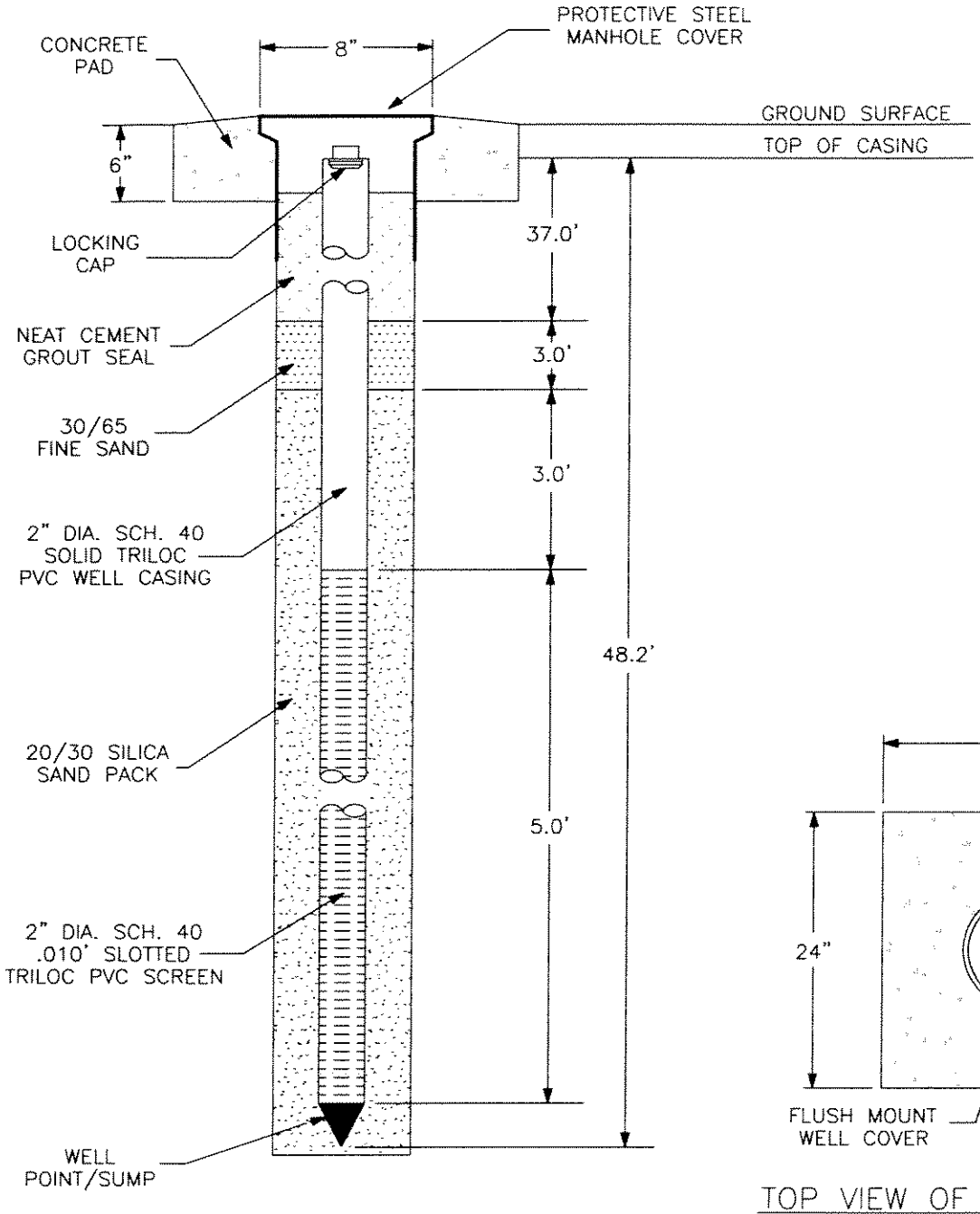
INSTALLATION METHOD: MUD ROTARY

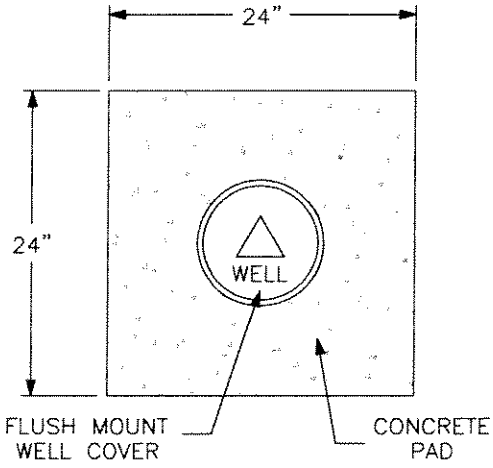
WELL CONSTRUCTION DETAIL
BALDWIN COMMUNITY PARK AND
GLENRIDGE MIDDLE SCHOOL
ORANGE COUNTY, FLORIDA

DRAWN:	MG
CHKD:	DBT
SCALE:	N.T.S.
DATE:	6-13-03
PROJ. NO:	W00-E-011
DEATIL:	8

NODARSE & ASSOCIATES, INC.

Jun 17, 2003 - 11:20am





TOP VIEW OF CROSS-SECTION

MONITORING WELL No. MW-R18C

INSTALLATION REPORT

INSTALLATION DATE: 5-7-03

INSTALLED BY: NODARSE & ASSOCIATES, INC.

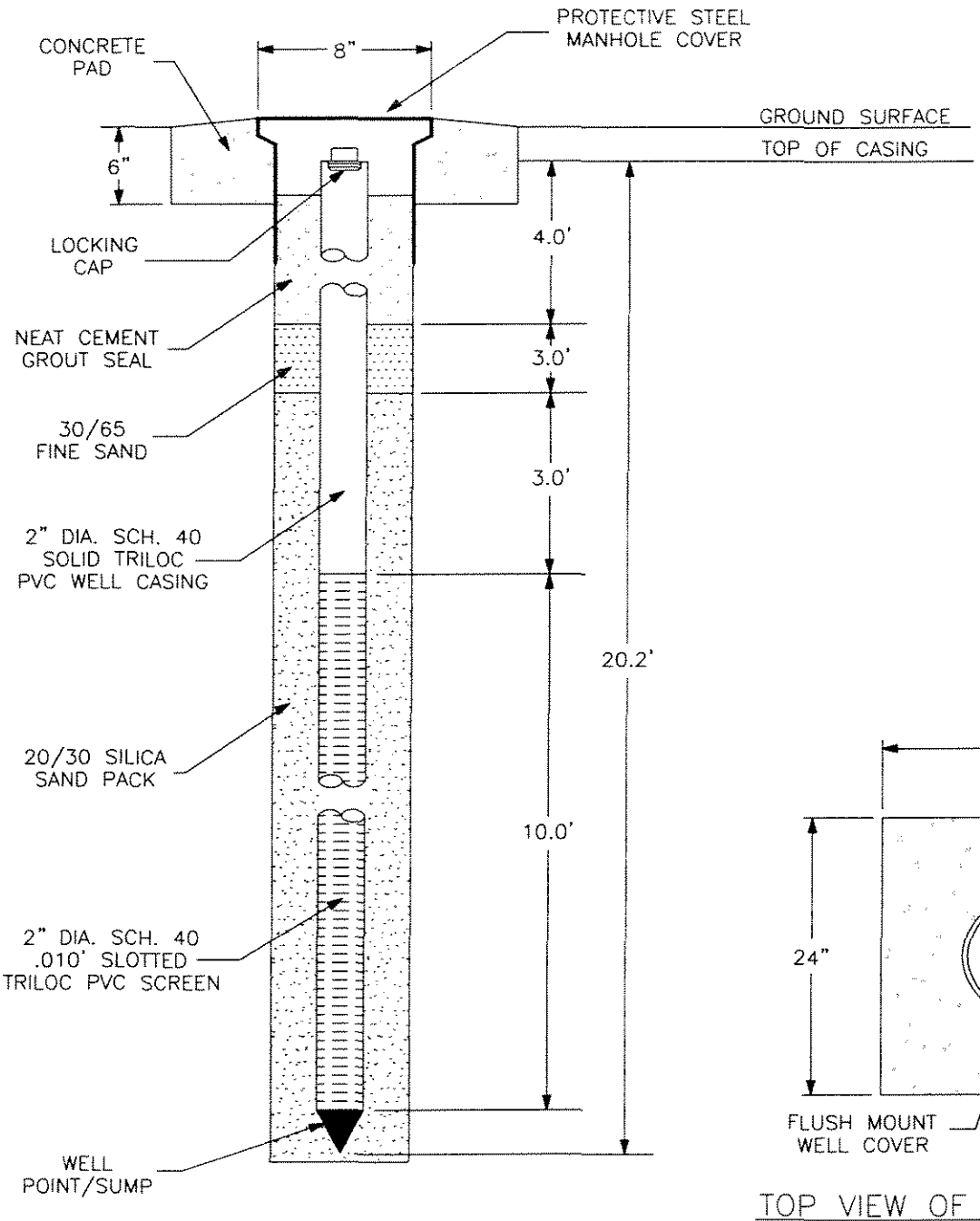
DEPTH TO GROUNDWATER: -

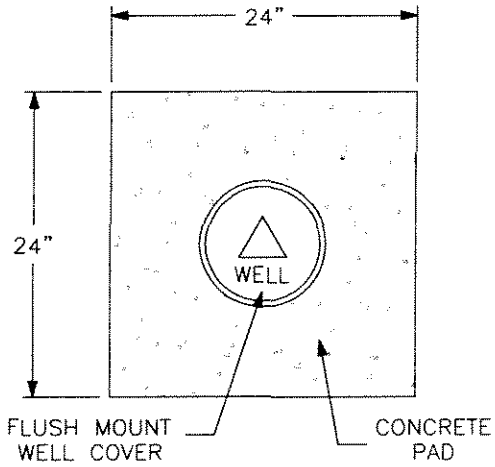
INSTALLATION METHOD: MUD ROTARY

WELL CONSTRUCTION DETAIL
BALDWIN COMMUNITY PARK AND
GLENRIDGE MIDDLE SCHOOL
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.
CHKD: DBT	
SCALE: N.T.S.	
DATE: 6-13-03	PROJ. NO: W00-E-011 / DEATIL: 9

Jun17, 2003-11:20am





TOP VIEW OF CROSS-SECTION

MONITORING WELL No. MW-R19A

INSTALLATION REPORT

INSTALLATION DATE: 5-8-03

INSTALLED BY: NODARSE & ASSOCIATES, INC.

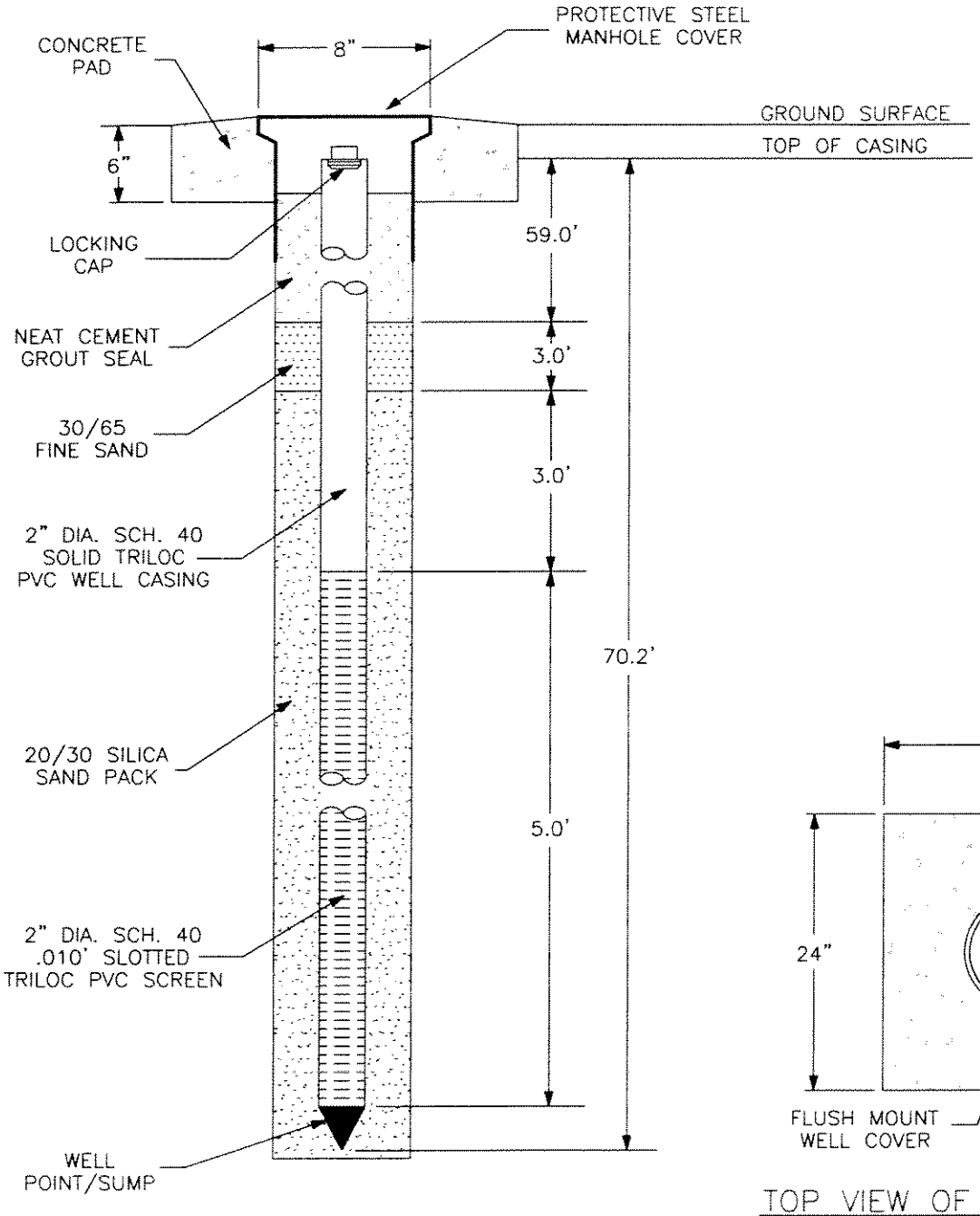
DEPTH TO GROUNDWATER: –

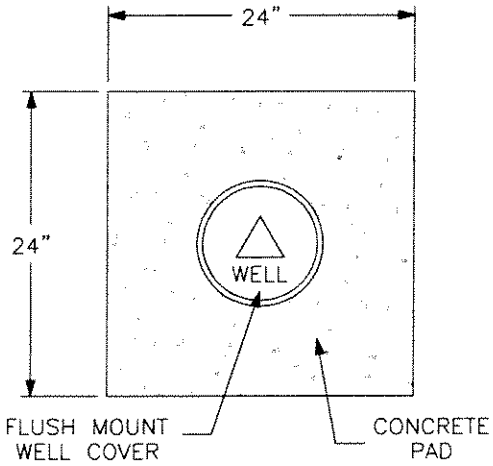
INSTALLATION METHOD: HOLLOW STEM AUGER

WELL CONSTRUCTION DETAIL
BALDWIN COMMUNITY PARK AND
GLENRIDGE MIDDLE SCHOOL
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.	
CHKD: DBT		
SCALE: N.T.S.		
DATE: 6-13-03	PROJ. NO: W00-E-011	DEATIL: 10

Jun 17, 2003 - 11:15am





TOP VIEW OF CROSS-SECTION

MONITORING WELL No. MW-R24C

INSTALLATION REPORT

INSTALLATION DATE: 5-14-03

INSTALLED BY: NODARSE & ASSOCIATES, INC.

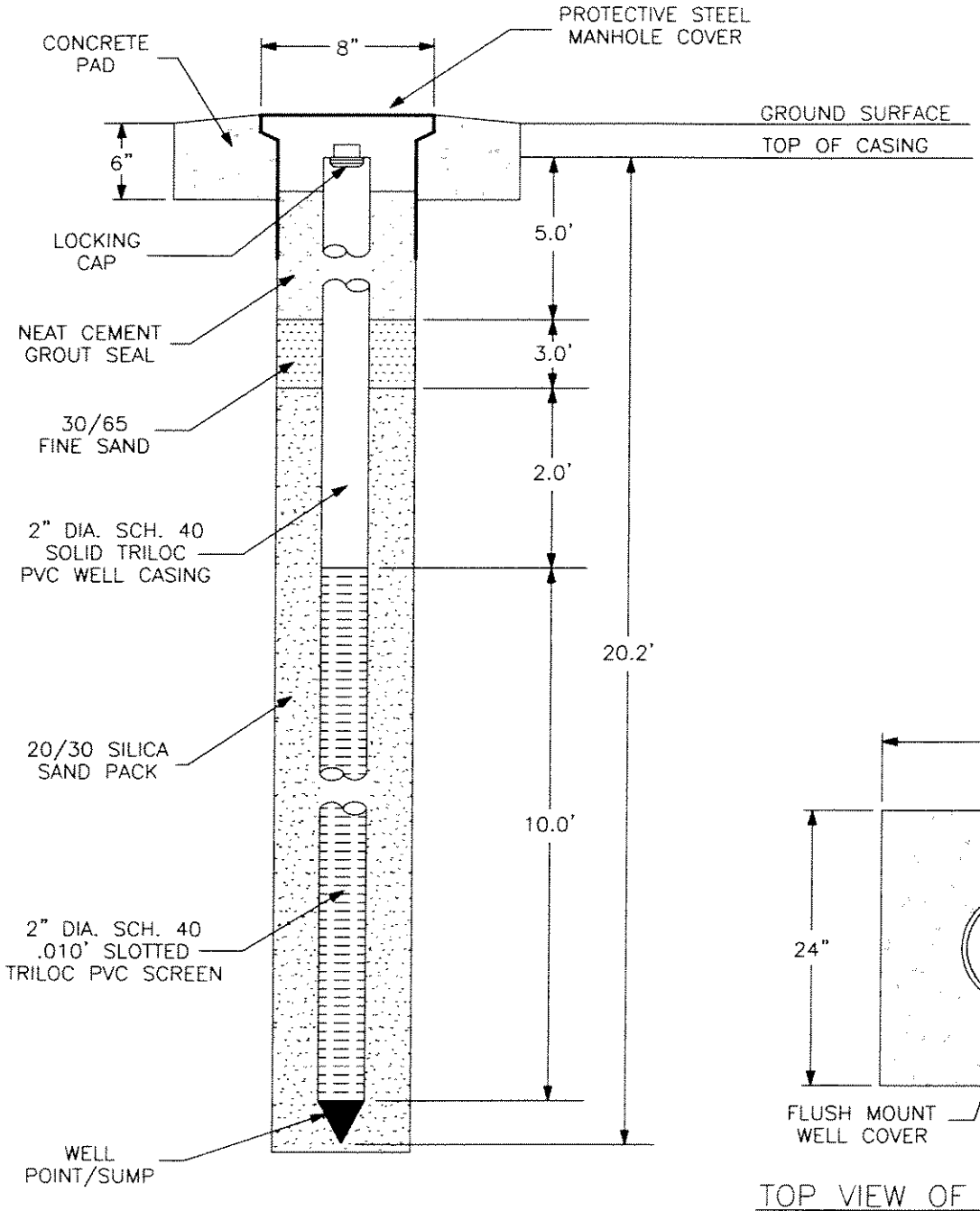
DEPTH TO GROUNDWATER: --

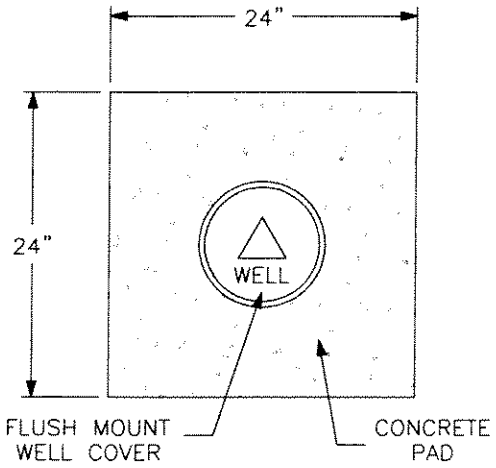
INSTALLATION METHOD: MUD ROTARY

WELL CONSTRUCTION DETAIL
BALDWIN COMMUNITY PARK AND
GLENRIDGE MIDDLE SCHOOL
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.	
CHKD: DBT		
SCALE: N.T.S.		
DATE: 6-13-03	PROJ. NO: W00-E-011	DEATIL: 13

Jun17, 2003-11:16am





TOP VIEW OF CROSS-SECTION

MONITORING WELL No. MW-R25A

INSTALLATION REPORT

INSTALLATION DATE: 5-12-03

INSTALLED BY: NODARSE & ASSOCIATES, INC.

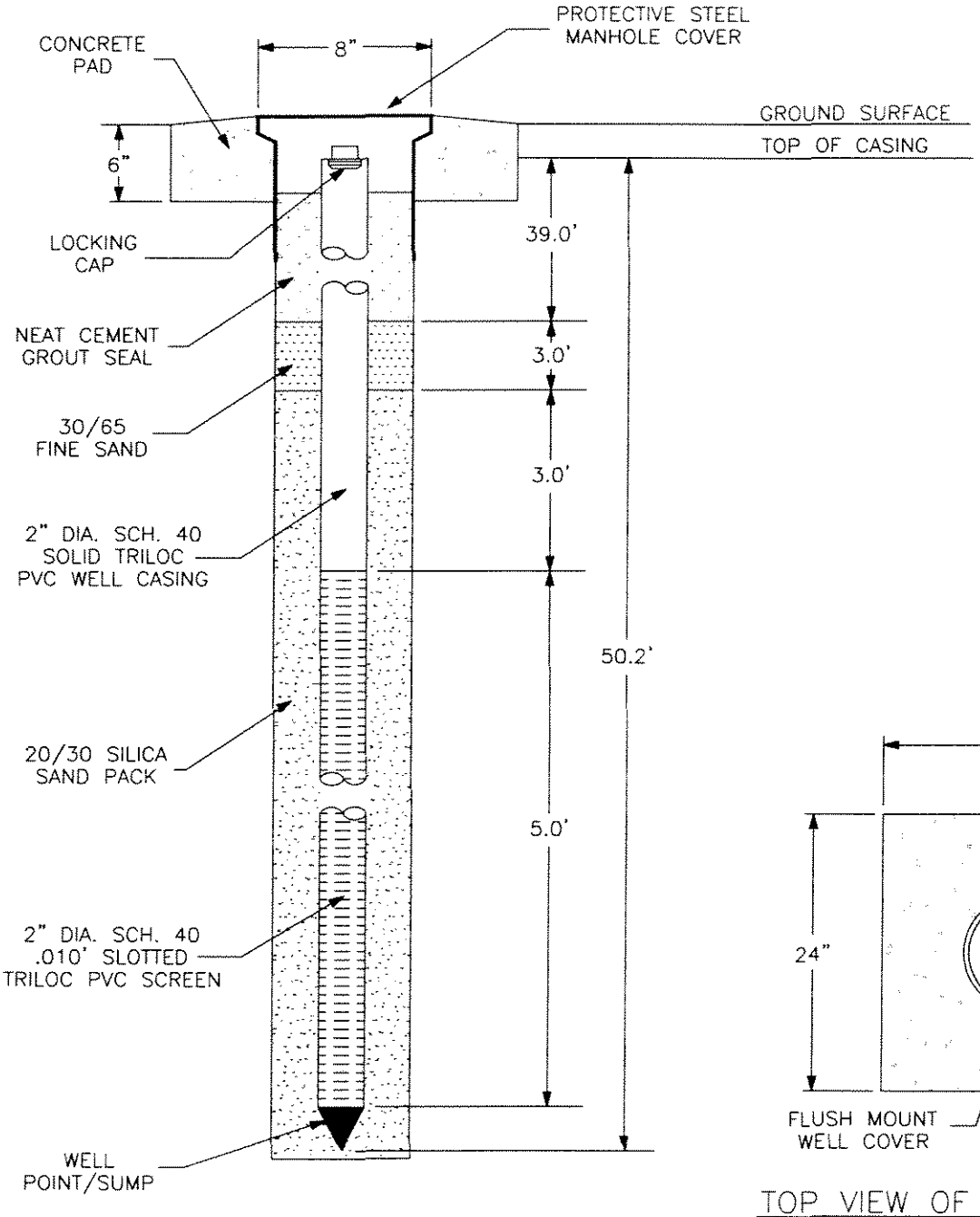
DEPTH TO GROUNDWATER: --

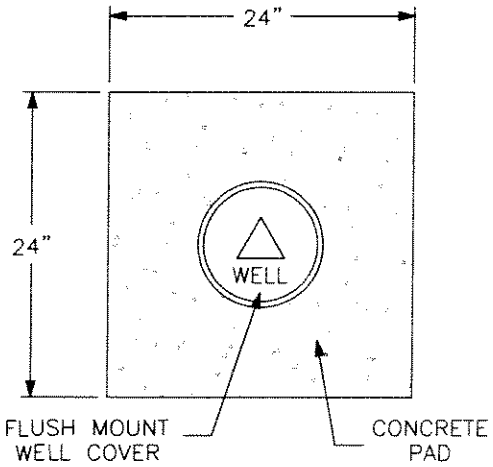
INSTALLATION METHOD: HOLLOW STEM AUGER

WELL CONSTRUCTION DETAIL
BALDWIN COMMUNITY PARK AND
GLENRIDGE MIDDLE SCHOOL
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.
CHKD: DBT	
SCALE: N.T.S.	
DATE: 6-13-03	PROJ. NO: W00-E-011 — DEATIL: 14

Jun17, 2003-11:16am





TOP VIEW OF CROSS-SECTION

MONITORING WELL No. MW-R26B

INSTALLATION REPORT

INSTALLATION DATE: 5-13-03

INSTALLED BY: NODARSE & ASSOCIATES, INC.

DEPTH TO GROUNDWATER: -

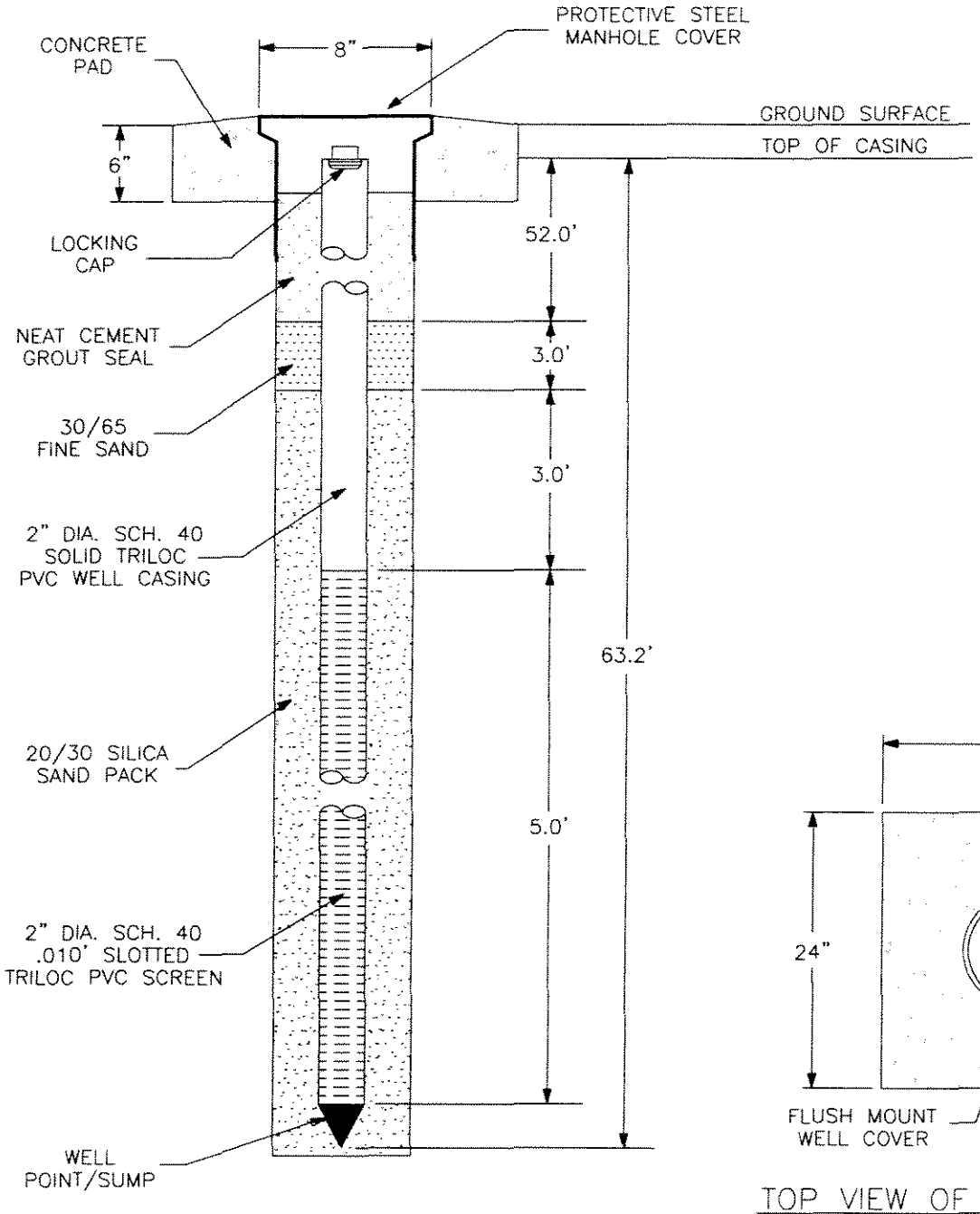
INSTALLATION METHOD: MUD ROTARY

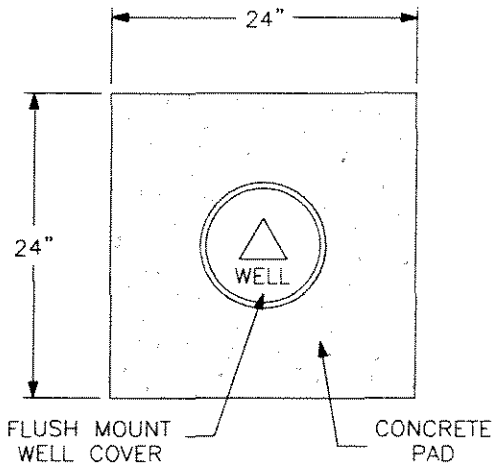
WELL CONSTRUCTION DETAIL
BALDWIN COMMUNITY PARK AND
GLENRIDGE MIDDLE SCHOOL
ORANGE COUNTY, FLORIDA

DRAWN:	MG
CHKD:	DBT
SCALE:	N.T.S.
DATE:	6-13-03
PROJ. NO:	W00-E-011
DEATIL:	15

NODARSE & ASSOCIATES, INC.

Jan17, 2005 - 11:17am





TOP VIEW OF CROSS-SECTION

MONITORING WELL No. MW-R27C

INSTALLATION REPORT

INSTALLATION DATE: 5-12-03

INSTALLED BY: NODARSE & ASSOCIATES, INC.

DEPTH TO GROUNDWATER: -

INSTALLATION METHOD: MUD ROTARY

WELL CONSTRUCTION DETAIL
BALDWIN COMMUNITY PARK AND
GLENRIDGE MIDDLE SCHOOL
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.
CHKD: DBT	
SCALE: N.T.S.	
DATE: 6-13-03	PROJ. NO: W00-E-011 — DEATIL: 16

Survey Information

Naval Training Center
Operable Unit 1 - North Grinder Landfill
Orlando, Florida

Bowyer-Singleton & Associates, Inc.
200 Business Park Circle, Suite 113, St. Augustine, FL 32095
Phone 904-940-9460 ext.103 / Fax 904-940-9493

Field Surveys May 14, 2008

Note: Horizontal Datum is NAD (North American Datum) 83 SPC FL. E. US feet
Vertical Datum is NAVD (North American Vertical Datum) 88

Description		North Coord.	East Coord.	Elevation TOC	Elevation Top Of Enclosure	Elevation Ground
Survey Control Points:						
AK7130	NGS MONUMENT	1523378.56	543185.27	---	---	98.63
AK7129	NGS MONUMENT	1541920.20	539147.41	---	---	79.26
802	5/8" IRC "LB 1221 BSA TRAV"	537045.52	549446.52	---	---	114.31
801	5/8" IRC "LB 1221 BSA TRAV"	536887.39	544843.14	---	---	108.15
800	5/8" IRC "LB 1221 BSA TRAV"	536335.17	544865.93	---	---	111.71
803	5/8" IRC "LB 1221 BSA TRAV"	537923.97	549430.73	---	---	115.01
804	5/8" IRC "LB 1221 BSA TRAV"	541818.83	547952.00	---	---	119.37
805	5/8" IRC "LB 1221 BSA TRAV"	543145.12	547819.35	---	---	112.82
806	5/8" IRC "LB 1221 BSA TRAV"	539357.80	553782.11	---	---	94.27
807	5/8" IRC "LB 1221 BSA TRAV"	540062.10	554286.97	---	---	93.60
Monitor Wells						
OLD-OU1-10AR		1543142.42	547728.75	113.31	113.61	113.66
OLD-OU1-11BR		1543142.41	547732.58	113.32	113.61	113.63
OLD-OU1-12CR		1543142.66	547735.46	113.27	113.51	113.51
OLD-OU1-13AR		1542789.24	548009.74	113.57	114.04	114.00
OLD-OU1-14BR		1542789.12	548011.06	113.77	113.96	113.90
OLD-OU1-15CR		1542785.54	548012.49	113.58	113.85	113.80
OLD-OU1-16AR		1543199.96	548251.81	109.72	110.00	109.90
OLD-OU1-17BR		1543196.18	548252.33	109.64	110.02	109.90
OLD-OU1-18CR		1543193.55	548252.62	109.66	110.03	110.00
OLD-OU1-19AR		1542630.13	548245.19	112.10	112.46	112.80
OLD-OU1-20BR		1542626.16	548245.10	112.19	112.49	112.80
OLD-OU1-21CR		1542622.85	548242.34	112.22	112.53	112.80
OLD-OU1-22AR		1541908.27	548323.44	114.97	115.30	115.30
OLD-OU1-23BR		1541912.81	548324.13	115.08	115.59	115.40
OLD-OU1-24CR		1541924.29	548320.00	114.96	115.34	115.30
OLD-OU1-25AR		1541766.53	547836.75	119.39	119.69	119.60
OLD-OU1-26BR		1541766.39	547840.86	119.34	119.58	119.50
OLD-OU1-27CR		1541765.81	547845.19	119.32	119.57	119.30

Inspection Forms

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-10AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/17/2007
Site Name	Operable Unit 1	**Inspection Time**	12:54
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	23.20	Survey Northing	1,543,160.0600
Screen Interval (ft)	13-23	Survey Easting	547,833.5900
Well Diameter (in)	2	North (decimal degrees)	28.57843343
Well Material	PVC SCH 40	East (decimal degrees)	-81.33753732
Completion Type:	Flush Mount	TOC Elevation	113.975

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,non-standard tag	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Damaged,Master	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-11BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/17/2007
Site Name	Operable Unit 1	**Inspection Time**	12:46
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	40.20	Survey Northing	1,543,163.5000
Screen Interval (ft)	35-40	Survey Easting	547,827.8900
Well Diameter (in)	2	North (decimal degrees)	28.57844285
Well Material	PVC SCH 40	East (decimal degrees)	-81.33755511
Completion Type:	Flush Mount	TOC Elevation	114.03

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good, partially buried	Replace Well Pad	No
Well Tag	illegible or unmarked,non-standard tag	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-12CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/17/2007
Site Name	Operable Unit 1	**Inspection Time**	12:50
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	65.20	Survey Northing	1,543,171.0500
Screen Interval (ft)	60-65	Survey Easting	547,833.2100
Well Diameter (in)	2	North (decimal degrees)	28.57846365
Well Material	PVC SCH 40	East (decimal degrees)	-81.3375386
Completion Type:	Flush Mount	TOC Elevation	114.025

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,non-standard tag	Replace Well Tag	Yes
Well Cover	damaged	Replace Well Cover	Yes
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-13AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/17/2007
Site Name	Operable Unit 1	**Inspection Time**	13:22
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	24.20	Survey Northing	1,542,802.2900
Screen Interval (ft)	14-24	Survey Easting	548,013.7600
Well Diameter (in)	2	North (decimal degrees)	28.57745085
Well Material	PVC SCH 40	East (decimal degrees)	-81.33697283
Completion Type:	Flush Mount	TOC Elevation	114.275

WELL CONDITIONS	
Well Pad	good
Well Tag	illegible or unmarked,non-standard tag
Well Cover	good
Well Cap	good,locking
Well Lock	Damaged,Other
Protective Casing	not applicable

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	Yes
Replace Well Cover	No
Replace Well Cap	No
Replace Well Lock	Yes
Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-14BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/17/2007
Site Name	Operable Unit 1	**Inspection Time**	13:27
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	41.20	Survey Northing	1,542,805.3100
Screen Interval (ft)	36-41	Survey Easting	548,016.0300
Well Diameter (in)	2	North (decimal degrees)	28.57745917
Well Material	PVC SCH 40	East (decimal degrees)	-81.33696578
Completion Type:	Flush Mount	TOC Elevation	114.48

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,non-standard tag	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-15CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/17/2007
Site Name	Operable Unit 1	**Inspection Time**	13:31
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	55.70	Survey Northing	1,542,809.7800
Screen Interval (ft)	50.5-55.5	Survey Easting	548,018.8700
Well Diameter (in)	2	North (decimal degrees)	28.57747149
Well Material	PVC SCH 40	East (decimal degrees)	-81.33695697
Completion Type:	Flush Mount	TOC Elevation	114.3

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	not attached	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-16AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/17/2007
Site Name	Operable Unit 1	**Inspection Time**	13:08
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	20.00	Survey Northing	1,543,166.0300
Screen Interval (ft)	10-20.01	Survey Easting	548,399.2600
Well Diameter (in)	2	North (decimal degrees)	28.57845422
Well Material	PVC SCH 40	East (decimal degrees)	-81.33577492
Completion Type:	Flush Mount	TOC Elevation	110.41

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,non-standard tag	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

water in casing

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-17BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/17/2007
Site Name	Operable Unit 1	**Inspection Time**	13:04
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	35.20	Survey Northing	153,170.5400
Screen Interval (ft)	30-35	Survey Easting	548,404.0800
Well Diameter (in)	2	North (decimal degrees)	24.75449308
Well Material	PVC SCH 40	East (decimal degrees)	-81.3247454
Completion Type:	Flush Mount	TOC Elevation	110.315

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,non-standard tag	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-18CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/17/2007
Site Name	Operable Unit 1	**Inspection Time**	13:00
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	48.20	Survey Northing	1,543,175.2600
Screen Interval (ft)	43-48	Survey Easting	548,409.3800
Well Diameter (in)	2	North (decimal degrees)	28.57847969
Well Material	PVC SCH 40	East (decimal degrees)	-81.33574347
Completion Type:	Flush Mount	TOC Elevation	110.355

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,non-standard tag	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

Water in casing

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-19AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/17/2007
Site Name	Operable Unit 1	**Inspection Time**	12:12
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	20.20	Survey Northing	1,542,697.7600
Screen Interval (ft)	10-20.01	Survey Easting	548,351.9900
Well Diameter (in)	2	North (decimal degrees)	28.57716597
Well Material	PVC SCH 40	East (decimal degrees)	-81.3359181
Completion Type:	Flush Mount	TOC Elevation	111.465

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	Buried	Replace Well Pad	Yes
Well Tag	not attached	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

Pad is buried under 6 inches of sod. Possibly build pad up. Would be very difficult to remove old pad and replace with new.

SIGNATURE

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TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-20BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/17/2007
Site Name	Operable Unit 1	**Inspection Time**	12:18
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	34.10	Survey Northing	1,542,702.5100
Screen Interval (ft)		Survey Easting	548,353.9900
Well Diameter (in)	2	North (decimal degrees)	28.57717905
Well Material	PVC SCH 40	East (decimal degrees)	-81.33591191
Completion Type:	Flush Mount	TOC Elevation	111.565

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	Buried	Replace Well Pad	Yes
Well Tag	not attached	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	damaged	Replace Well Cap	Yes
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

pad is buried under 6 9nches of sod. Possibly build pad up. Would be very difficult to remove old pad and replace with new.

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-21CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/17/2007
Site Name	Operable Unit 1	**Inspection Time**	12:25
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	40.90	Survey Northing	1,542,706.9900
Screen Interval (ft)		Survey Easting	548,355.7600
Well Diameter (in)	2	North (decimal degrees)	28.57719139
Well Material	PVC SCH 40	East (decimal degrees)	-81.33590644
Completion Type:	Flush Mount	TOC Elevation	111.605

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	Buried	Replace Well Pad	Yes
Well Tag	not attached	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

Possibly build pad up. Would be very difficult to remove old pad and replace with new.

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-22AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/16/2007
Site Name	Operable Unit 1	**Inspection Time**	8:39
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	20.13	Survey Northing	1,541,907.7400
Screen Interval (ft)		Survey Easting	548,323.4500
Well Diameter (in)	2	North (decimal degrees)	28.57499295
Well Material	PVC SCH 40	East (decimal degrees)	-81.33600012
Completion Type:	Flush Mount	TOC Elevation	115.675

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Gray	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-23BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/16/2007
Site Name	Operable Unit 1	**Inspection Time**	8:34
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	40.00	Survey Northing	1,541,912.2700
Screen Interval (ft)		Survey Easting	548,324.2700
Well Diameter (in)	2	North (decimal degrees)	28.57500542
Well Material	PVC SCH 40	East (decimal degrees)	-81.3359976
Completion Type:	Flush Mount	TOC Elevation	115.735

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	,good	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-24CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/16/2007
Site Name	Operable Unit 1	**Inspection Time**	8:26
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	70.20	Survey Northing	1,541,916.7600
Screen Interval (ft)	65-70	Survey Easting	548,321.1800
Well Diameter (in)	2	North (decimal degrees)	28.57501774
Well Material	PVC SCH 40	East (decimal degrees)	-81.33600727
Completion Type:	Flush Mount	TOC Elevation	115.67

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-25AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/16/2007
Site Name	Operable Unit 1	**Inspection Time**	13:56
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	20.20	Survey Northing	1,541,785.1800
Screen Interval (ft)	10-20.01	Survey Easting	547,830.1800
Well Diameter (in)	2	North (decimal degrees)	28.57465206
Well Material	PVC SCH 40	East (decimal degrees)	-81.33753587
Completion Type:	Flush Mount	TOC Elevation	120.035

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	not attached	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-26BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/16/2007
Site Name	Operable Unit 1	**Inspection Time**	13:49
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	50.20	Survey Northing	1,541,793.5800
Screen Interval (ft)	45-50	Survey Easting	547,832.2400
Well Diameter (in)	2	North (decimal degrees)	28.57467518
Well Material	PVC SCH 40	East (decimal degrees)	-81.33752953
Completion Type:	Flush Mount	TOC Elevation	120.05

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	not attached	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU1-27CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	06/16/2007
Site Name	Operable Unit 1	**Inspection Time**	8:49
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	63.20	Survey Northing	1,541,801.6200
Screen Interval (ft)	58-63	Survey Easting	547,833.0800
Well Diameter (in)	2	North (decimal degrees)	28.5746973
Well Material	PVC SCH 40	East (decimal degrees)	-81.33752698
Completion Type:	Flush Mount	TOC Elevation	120.115

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

Boring Logs

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 2457
DRILLING COMPANY: GROUND WATER PROTECTION
DRILLING RIG: DIEDRICH D-120

BORING NUMBER: Well # OLD-042-01A
DATE: 6-1-98
GEOLOGIST: TOM NICOTERA
DRILLER: JIM

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	6" / 6"			LT. TAN	Fine Grain Sand		Post holed To 4' bls.				
	2'	NA	6" / 6"										
		NA	6" / 6"			LT	TAN + LT. Brown Fine Grain Sand						
	4'	NA	6" / 6"							0ppm	0ppm	0ppm	0ppm
	6'									0ppm	0ppm	0ppm	0ppm
	8'												
										0ppm	0ppm	0ppm	0ppm
	10'												
	12'									0ppm	0ppm	0ppm	0ppm
	14'												
	15'									0ppm	0ppm	0ppm	0ppm

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0ppm

Remarks:

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-042-01A

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER:
DRILLING COMPANY: Groundwater Protection
DRILLING RIG: Diedrich D-120

BORING NUMBER: OLD-042-01B
DATE: 6-1-98
GEOLOGIST: Thomas Nicotera
DRILLER: Jim Hirst

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA			Tan/Gray	Fine Sand		Post holed To				
	2'	NA	NA				↓		4' bls				
		NA	NA						↓				
	4'	NA	NA										
* 5'		7/10	6"/6"						Started split spoons				
	6'	15/18	6"/6"			Tan	Fine Sand		4' To borehole terminates	0 ppm	0 ppm	0 ppm	0 ppm
		5/5	6/6				7' bls Hit water table						
	8'	7/4	6/6			Lt. Brown	Fine Sand						
		4/4	6/6										
* 10'	10'	5/5	6"/6"			Lt Brown	Fine Silty Sand.			0 ppm	0 ppm	0 ppm	0 ppm
		4/5	6/6										
	12'	6/6	6/6			Lt Brown	Fine Silt Sand						
		6/4	6/6										
	14	5/5	6/6			Lt Brown	Fine Sand						
* 15'		6/6	6/6										
	16	5/5	6/6			Lt Brown	Fine Sand						
		4/4	6/6										
	18	5/6	6/6			Lt Brown	Fine Sand						
		5/5	6/6										
* 20'	20	5/5	6/6			Lt Brown	Fine Sand		RAD = 13	0 ppm	0 ppm	0 ppm	0 ppm
		6/5	6/6										
	22	5/4	6/6			Lt. Brown	Fine Sand						
		4/4	6/6										
	24	4/5	6/6			Lt Brown	Fine Sand						
* 25'		2/3	6/6										

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: * means sample collected here

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ Well I.D. #: OLD-042-01B

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER:
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: DIEDRICH D-120

BORING NUMBER: OLD-042-01B
DATE: 6-1-98
GEOLOGIST: THOMAS NICOSTERA
DRILLER: JIM HINST

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26'	5/6	6/6			LT	BROWN/GREY FINE SAND						
		4/5	6/6										
	28'	10/10	6/6			LT.	BROWN/GREY FINE SAND			0 ppm	0 ppm	0 ppm	0 ppm
		8/10	6/6										
*	30'	30' 10/12	6/6	2" CLAY		LT	BROWN SILTY + GREY CLAY		ABOUT 2" of CLAY STARTING				
	31'	8/5	6/6				LT BROWN SILTY SAND +						
*	32'	6/6	6/6	1' (ALL CLAY)		1'	BLUE GREENISH CLAY		MOSTLY CLAY				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Well To be SET @ 30' b/s. ; * means sample collected here.

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC Orlando.
PROJECT NUMBER: 74057
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120
BORING NUMBER: OLD-042-02A
DATE: 6/1
GEOLOGIST: GB
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA				Lt. Brown	sand, medium		post hold to	ND	ND	ND	ND
	2'						grained, well sorted		4 ft.				
							↓		↓				
	4'									ND	ND	ND	ND
		8 / 9				grey	sand, fine to		moist				
	6'	6 / 4					medium grained, well						
		5 / 6					sorted.						
	8'	8 / 5											
		10 / 12					↓		saturated				
	10'	8 / 9				brown	same as above			ND	ND	ND	ND
		10 / 7											
	12'	6 / 5							saturated				
		5 / 8											
	14'	6 / 7											
	15	7 / 9					↓		saturated	ND	ND	ND	ND

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ___ Well I.D. #:

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120

BORING NUMBER: OLD-042-02B
DATE: 6/1
GEOLOGIST: GB
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA				Grey	sand, medium to		post holed	ND	ND	ND	ND
	2						coarse grained, poorly		to 4'				
							sorted			ND	ND	ND	ND
	4												
		8 / 10								ND	ND	ND	ND
	6	12 / 10				Lt. brown	sand, medium grained						
		9 / 8					med. sorted, sub angular		saturated				
	8	12 / 14					to angular						
		14 / 16											
	10	15 / 15								ND	ND	ND	ND
		12 / 14											
	12	14 / 10											
		15 / 18											
	14	20 / 21											
		17 / 10								ND	ND	ND	ND
	16	6 / 6											
		12 / 8											
	18	6 / 3				brown	sand, fine to medium						
		7 / 7					grained, well sorted						
	20	6 / 8					sub-angular			ND	ND	ND	ND
		4 / 5											
	22	5 / 8											
		6 / 6											
	24	7 / 7											
		8 / 5								ND	ND	ND	ND

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm):

Converted to Well: Yes ____ No ____ Well I.D. #:

BORING LOG

PROJECT NAME:
PROJECT NUMBER:
DRILLING COMPANY:
DRILLING RIG:

BORING NUMBER: OLD-042-02B
DATE: 6/1
GEOLOGIST: GB
DRILLER: Nick.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26	6/8				dk grey	sand, fine grained		saturated	ND	ND	ND	ND
	27	5/4					well sorted, sub-angular						
	28	5/5					to angular.						
	29	7/7											
	30	8/4								ND	ND	ND	ND
		5/10				green grey	sand, medium grained						
	32	15/18					clay, well consolidated						
							greenish grey,		dry	ND	ND	ND	ND

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-042-02B

BORING LOG

PROJECT NAME: NTC ORLAND
PROJECT NUMBER: 7457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120

BORING NUMBER: OLD-042-03A
DATE: 6/2
GEOLOGIST: GB
DRILLER: Nick.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA				grey	sand, medium to		post holed to				
	2						fine grained, well		4'	ND	ND	ND	ND
							to med. sorting						
	4												
		5/7								ND	ND	ND	ND
	6	7/8											
		6/5				Brown to Black	sand, medium grained			ND	ND	ND	ND
	8	8/10					well sorted, ang.						
		10/12					to sub angular.						
	10	14/14								ND	ND	ND	ND
		10/12											
	12	12/10											
		10/12											
	14	12/10								ND	ND	ND	ND
	15	11/11											

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppb

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: BPI
DRILLING RIG: Diedrich D120

BORING NUMBER: OLD-042-03B
DATE: 6/2
GEOLOGIST: GB
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						grey	sand and gravel		post hold to				
	2						poorly sorted		4 ft	ND	ND	ND	ND
						grey brown	sand, medium grained						
	4						med. sorting, ang.						
										ND	ND	ND	ND
	6	6/7											
		10/8				LT Brown	sand, medium grained						
	8	9/10					well sorted, ang to						
		8/9					sub angular						
	10	7/12								ND	ND	ND	ND
		15/17											
	12	14/14											
		10/12											
	14	12/10											
		11/12								ND	ND	ND	ND
	16	10/6											
		6/5											
	18	5/7				dk Brown	sand, fine grained						
		6/6					well sorted, rounded						
	20	5/6					to subrounded			ND	ND	ND	ND
		6/7											
	22	7/8											
		6/6											
		7/6											
	25	6/5								ND	ND	ND	ND

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ Well I.D. #:

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: M457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D120
BORING NUMBER: OLD-042-03B
DATE: 6/2
GEOLOGIST: RB
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		6/5				Lt grey	sand, fine grained		saturated	ND	ND	ND	ND
		6/6					med. sorting, rounded						
		7/8					to slub rounded						
		8/7											
	30	7/8				greenish grey	sand and clay,			ND	ND	ND	ND
		8/12					med. consolidation.						
	32	15/15				green dk green	clay, dense, well		dry	ND	ND	ND	ND
							consolidated						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ Well I.D. #: OLD-042-03B

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 74457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120
BORING NUMBER: OLD-042-04A
DATE: 6/4
GEOLOGIST: KD
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA				dk brown	sand medium to		post hold to				
	2	7					fine grained, poorly		4 ft	ND	ND	ND	ND
							sorted						
	4												
		7 8				brown	sand, medium grained			ND	ND	ND	ND
	6	10 11					well sorted angular		saturated				
		12 12					to sub angular						
	8	10 9											
		9 7											
	10	12 14								ND	ND	ND	ND
		14 16											
	12	18 16											
		17 17											
	14	20 15											
	16	15 17								ND	ND	ND	ND

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ Well I.D. #: OLD-042-04A

BORING LOG

PROJECT NAME: NTC - Orlando
PROJECT NUMBER: 74457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120

BORING NUMBER: OLD-042-04B
DATE: 6/4/
GEOLOGIST: GB
DRILLER: Nick.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						grey	sand, med. grained		post hole to	ND	ND	ND	ND
	2						↓		4' ft				
							↓		↓				
	4					Brown	sand, med. to fine		↓				
		6/8					grained, med. sorting			ND	ND	ND	ND
	6	8/7					angular to sub angular						
		10/12								ND	ND	ND	ND
	8	12/10							saturated				
		11/8											
	10	7/6								ND	ND	ND	ND
		5/6											
	12	4/3											
		4/6											
	14	8/8											
		7/6								ND	ND	ND	ND
	16	7/8											
		12/12					↓						
	18	10/10				dark brown	sand, fine grained						
		12/12					well sorted, rounded						
	20	9/8					to sub rounded.			ND	ND	ND	ND
		8/7					↓						
	22	7/6											
		5/5											
	24	6/7											
		7/8					↓		↓	ND	ND	ND	ND

When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-042-4B

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER:
DRILLING COMPANY:
DRILLING RIG:

BORING NUMBER: OLD-042-04B
DATE:
GEOLOGIST:
DRILLER:

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						dk grey	sand, fine grained well sorted, rounded to sub rounded		saturated	ND	ND	ND	ND
						green grey	sand + clay, med. consolidation			ND	ND	ND	ND
	30												
	32					green	clay, dense, well consolidated		dry	ND	ND	ND	ND

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ____ No ____ Well I.D. #: OLD-042-4B

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: DIEDRICH D-120

BORING NUMBER: Well # 5-A
DATE: 6-4-98
GEOLOGIST: TOM NICOTERA
DRILLER: JIM

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA				DARK BROWN FINE GRAIN SAND		POSTHOLED TO 4' B/S.			0 ppm	0 ppm
	2'						↓						
						LT TAN	FINE GRAIN SAND						
	4'						↓						
							DARK BROWN FINE GRAIN SAND					0 ppm	0 ppm
	6'						↓		WATER TABLE @ 6' B/S.				
							↓						
	8'					LT.	BROWN FINE GRAIN SAND						
	10'												
	12'												
	14'												
	15'						↓						
							WELL TERMINATED HERE. 15' B/S.						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection
DRILLING RIG: Diedrich D-120

BORING NUMBER: Well # 5 B
DATE: 6-4-98
GEOLOGIST: Tom Nicholls
DRILLER: Jim

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA				Brown + Tan Fine Grain		Post holed to			0 ppm	0 ppm
	2	NA	NA				Sand.		4' BLS-				
		NA	NA										
	4	NA	NA				Brown Fine Grain						
							Sand.						
	6								Water table @				
									6' BLS.				
	8												
	10												
	12						Lt. Brown Fine Grain						
							Sand.						
	14												
	16											0 ppm	0 ppm
	18												
	20												
	22												
	24		NA										
	25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ Well I.D. #:

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: Diedrich D-120
BORING NUMBER: Well # 5 B.
DATE: 6-4-98
GEOLOGIST: TOM NICOTERA
DRILLER: JIM

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	25						LT. TAN FINE GRAIN					0/10	0/10
	26	6/6					SAND						
	27	7/7											
	28	8/8											
	29	8/8											
	30	7/7											
	31	7/10											
	32	6/5											
	33	8/8											
	34	10/10										0/10	0/10
	35	14/14											
	36	8/5					LT TAN FINE GRAIN SILTY						
	37	5/6					SAND						
	38	11/10											
	39	14/11											
	40	3/4											
	41	3/3											
	42	2/2					LT TAN FINE GRAIN SILTY SAND &						
	43	2/2					HIT CLAY (ABOUT 4")						
	44	1/1					CLAY						
	45	2/2					CLAY					0/10	0/10

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0/10

Converted to Well: Yes ✓ No ____ Well I.D. #:

BORING LOG

PROJECT NAME: NTC - Orlando.
PROJECT NUMBER: 7457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120

BORING NUMBER: OLD-042-106A
DATE: 6/4
GEOLOGIST: GB
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						grey	sand, med. to fine		post-hole to				
	2						grained poorly sorted		4' ft	ND	ND	ND	ND
	4					brown	sand, med. grained						
							med. sorting, angular			ND	ND	ND	ND
	6						to sub angular						
									saturated				
	8												
	10									ND	ND	ND	ND
	12					Lt brown	same as above						
	14												
	15									ND	ND	ND	ND

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ Well I.D. #: OLD-042-106A

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7459
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120

BORING NUMBER: Well OLD-042-06B
DATE: 6/4/98
GEOLOGIST: GB
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						gray	sand, grey, coarse grained, some silt poorly sorted.		post holed to 4'				
	2									ND	ND	ND	ND
	4												
	6								saturated				
						Lt. brown	sand, medium grained moderately sorted, sub angular to rounded			ND	ND	ND	ND
	8												
	10									ND	ND	ND	ND
	12												
	14												
										ND	ND	ND	ND
	16												
	18												
	20									ND	ND	ND	ND
						brown	sand, fine to medium grained well sorted, sub-angular.						
	22												
	24	4/6											
		5/7								ND	ND	ND	ND

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-042-02 A

BORING LOG

PROJECT NAME: NTC-Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120
BORING NUMBER: OLD-042-06B
DATE: 6/4/98
GEOLOGIST: GB
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26	4/4				brown	sand, fine to			ND	ND	ND	ND
		6/8					medium grained, sub						
	28	7/8					angular to angular						
		9/6					well sorted						
	30	6/4								ND	ND	ND	ND
		4/4											
	32	6/7											
		8/8											
	34	9/10											
		11/11								ND	ND	ND	ND
	36	10/8											
		7/8											
	38	9/7											
		7/8											
	40	9/10								ND	ND	ND	ND
	41	11/11											
	42	6/5											
		5/5				green	clay, very stiff,						
							gray green, minor						
							sand, dry						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-042-06B

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: Diedrich D-120

BORING NUMBER: well # 7-A
DATE: 6-4-98
GEOLOGIST: Tom Nicotera
DRILLER: Jim

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA				DARK BROWN FINE GRAIN		Post Added To			0/NA	
	2'	NA	NA				Sand		4' BLS.				
		NA	NA										
	4'	NA	NA										
	6'						BROWN FINE GRAIN SAND						
	8'												
	10'												
	12'												
	14'												
	15'											0/NA	

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0/NA

Remarks:

Converted to Well: Yes ✓ No ____ Well I.D. #:

BORING LOG

PROJECT NAME: NTC ORlando
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUND WATER PROTECTION
DRILLING RIG: Diedrich D-120

BORING NUMBER: Well # 7-B
DATE: 6-5-98
GEOLOGIST: Tom Nicotera
DRILLER: Jim H.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA				DARK BROWN FINE GRAIN		Post hole to	0 ppm	0 ppm	0 ppm	0 ppm
	2	NA	NA				SAND		4' BIS				
		NA	NA										
	4	NA	NA										
*	5	3 / 3	6" / 6"										
	6	3 / 3	6" / 6"						WATER TABLE @ 6'				
	7												
	8												
	9												
	10						LT BROWN FINE GRAIN						
	11						SAND.						
	12												
	13												
	14												
*	15	5 / 6								0 ppm	0 ppm	0 ppm	0 ppm
	16	7 / 8											
	17												
	18												
	19												
	20												
	21												
	22												
	23												
	24												
	25	5 / 15											

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ Well I.D. #:

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 2457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: Diedrich D-120
BORING NUMBER: Well #7-B
DATE: 6-5-98
GEOLOGIST: TOM NICOTERO
DRILLER: Jim H.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	25	5/15					LT BROWN FINE GRAIN SAND			0 ppm	0 ppm	0 ppm	0 ppm
	26	30/25					LT TAN FINE GRAIN SAND						
	27	6/8											
	28	10/10											
	29	10/10					LT TAN FINE GRAIN						
	30	10/10					SAND						
	31	5/9											
	32	9/5					HIT CLAY LAYER (GREEN)			0 ppm	0 ppm	0 ppm	0 ppm
	33						CLAY LAYER (GREEN)						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUND WATER PROTECTION
DRILLING RIG: Diedrich D-120

BORING NUMBER: Well #8A
DATE: 6-3-98
GEOLOGIST: TOM NICOTERA
DRILLER: Jim

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%) *	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA				DARK Brown Fine SAND		POSTHOLED TO		0ppm	0ppm	0ppm
	2'	NA	NA						4' BLS.				
		NA	NA				DARK Brown/LT TAN Fine						
	4'	NA	NA				SAND mix.						
	6						BROWN Fine GRAY		WATERTABLE @				
							SAND		6' BLS.				
	8												
	10												
	12									0ppm	0ppm	0ppm	0ppm
	14												
	15'												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0ppm

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection
DRILLING RIG: Diedrich D-120
BORING NUMBER: Well # 8B
DATE: 6-3-98
GEOLOGIST: Tom Nicotera
DRILLER: Jim

	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
		1'	NA					DARK BROWN FINE GRAIN		POSTHOLED TO	0 ppm	0 ppm	0 ppm	0 ppm
		2'	NA					SAND.		5.0 BLS.				
		3	NA					TAN FINE GRAIN						
		4'	NA					SAND.						
*		5'	NA					MIX DARK BROWN & TAN FINE SAND						
		6'						DARK BROWN FINE GRAIN SAND						
		7												
		8'								WATER TABLE @ 8.0				
		9												
*		10												
		11	6 10	6" 6"				DARK BROWN / RUST TAN FINE SAND						
		12'	15 17	6" 6"										
		13												
		14'												
*		15'						TAN FINE GRAIN SAND.						
		16	6 8	6" 6"				~~TAN FINE~~						
		17'	15 15	6" 6"										
		18						~~TAN FINE GRAIN SAND~~						
		19'												
*		20'						TAN / DARK BROWN MIX OF						
		21	4 7		6/6			FINE SAND.						
		22	5 5		6/6									
		23												
		24												
		25'												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: *=collected soil sample here

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 2457
DRILLING COMPANY: Ground Water Protection
DRILLING RIG: Diedrich D-120

BORING NUMBER: MW 8B
DATE: 6-3-98
GEOLOGIST: Tom Nicotera
DRILLER: Jim

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
*	25	3/4	6/6			LT	Tan Fine Grain Silty Sand						
*	27	4/5	6/6							0	0	0	0
	28	3/4	6/6										
	29	4/5	6"/6"			LT	Tan Fine Grain Silty Sand						
*	30	2/2	6"/6"										
	31	2/3	6"/6"										
*	32	6/7	6"/6"			LT	Tan Fine Grain Silty Sand.						
	33	3/3	6"/6"										
*	34	1/1	6/6										
	35	1/1	6/6										
*	36	2/2	6/6			LT	Tan Fine Grain Silty Sand						
	37	2/2	6/6				Clay Layer (Green)						
*	38	5/5	6/6										
	39	5/5	6/6				Clay Layer			0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: *

Drilling Area Background (ppm): 0

Converted to Well: Yes — No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 2457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: DIEDRICH D-120
BORING NUMBER: Well # 9-A
DATE: 6-9-98
GEOLOGIST: TOM NICOTERO
DRILLER: JIM H.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Sampler**	Driller BZ**
		NA	NA			DARK BROWN	FINE GRAIN SAND		POST holed TO			0 ppm	0 ppm
	2'	NA	NA						4' BIS.				
		NA	NA										
	4'	NA	NA										
						LT BROWN	FINE GRAIN SAND						
	6'												
	8'												
												0 ppm	0 ppm
	10'								WATER TABLE @				
									10' BIS.				
	12'												
	14'												
	15'											0 ppm	0 ppm
					NOTE:		TERMINATE borehole @						
							15' BIS						

* When rock coring, enter rock brokeness.

** Include monitor reading in 5 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ **Well I.D. #:** ____

BORING LOG

PROJECT NAME: NTC Orlando
BORING NUMBER: Well # 9-B
PROJECT NUMBER: 7457
DATE: 6-9-98
DRILLING COMPANY: Groundwater Protection
GEOLOGIST: Tom Nigotera
DRILLING RIG: Diedrich D-120
DRILLER: Jim H

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA				DARK Brown Fine Grain Sand		Postholed To				
	2	NA	NA						4' BIS.				
		NA	NA										
	4	NA	NA										
*	5						DARK Brown / Grey Fine Grain			0	0	0	0
	6						Sand						
	8												
	10						LT Brown Fine Grain Sand		Water Table @				
									10' BIS.				
	12												
	14												
*	15									0	0	0	0
	16												
	18						LT Tan / LT. Brown mix Fine						
							Grain Sand						
	20												
	22												
	24												
*	25	7 / 8	6 / 6							0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0ppm

Converted to Well: Yes ✓ No _____ Well I.D. #:

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: DIEDRICH D-120
BORING NUMBER: Well # 9-B
DATE: 6-9-98
GEOLOGIST: TOM NICOTERA
DRILLER: JIM H.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26	5/7	6/6										
	27	3/7	6/6				LT BROWN/LT TAN MIX FINE			0 ppm	0 ppm	0 ppm	0 ppm
	28	7/9	6/6				GRAIN SAND.						
	29	8/10	6/6										
	30	15/19	6/6				LT TAN FINE GRAIN SAND						
	31	10/17	6/6										
	32	14/15	6/6										
	33	5/6	6/6										
	34	11/9	6/6										
	35	4/3	6/6										
	36	4/5	6/6										
	37	5/7	6/6										
	38	11/14	6/6										
	39						HIT CLAY LAYER @ 39'			0 ppm	0 ppm	0 ppm	0 ppm
							well installed @ 38' +						
							3' STICK up.						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ Well I.D. #:

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7458
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG:

BORING NUMBER: Well #10-A
DATE: 6-8-98
GEOLOGIST: TOM NICOTERA
DRILLER: JIM HINST

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA			DARK BROWN/GREY	FINE GRAIN		POST holed to			0ppm	
	2'	NA	NA				SAND		4' BLS.				
		NA	NA				TAN FINE GRAIN SAND						
	4'	NA	NA										
	6'												
							BROWN FINE GRAIN						
	8'						SAND						
	10'								WATER Table @				
									10' BLS.				
	12'												
	14'												
	15'											0ppm	
							*TERMINATE Borehole @ 15'						
							* well set @ 15' BLS.						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0ppm

Converted to Well: Yes ✓ No _____ Well I.D. #:

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG:

BORING NUMBER: Well # 10-B
DATE: 6-8-98
GEOLOGIST: TOM NICOTERA
DRILLER: JIM HINST

	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
			NA	NA				DARK BROWN + GREY FINE		POST holed TO			0 ppm	0 ppm
		2	NA	NA				GRAIN SAND		4' B/S.				
			NA	NA										
		4	NA	NA										
*		5						BROWN FINE GRAIN SAND			0 ppm	0 ppm	0 ppm	0 ppm
		6												
		8												
		10								WATER TABLE @				
										10' BLS.				
		12												
		14												
*		15									0 ppm	0 ppm	0 ppm	0 ppm
		16												
		18												
		20												
								LIGHT TAN FINE GRAIN SAND						
		22												
		24												
*		25	2 / 7	3" / 6"							0 ppm	0 ppm	0 ppm	0 ppm

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: * means soil sample collected Here.

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes _____ No _____ Well I.D. #: _____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG:

BORING NUMBER: Well # 10-B
DATE: 6-8-98
GEOLOGIST: TOM NICOTERA
DRILLER: JIM HIRST

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26	10/10				LT TAN	Fine Grain Sand						
	27	8/8											
	28	10/10											
	29	3/4											
	30	5/5											
	31	6/6					LT TANISH/GREY Fine Grain						
	32	7/10					Sand.						
	33	4/4											
	34	5/10											
	35	3/4											
	36	4/4				LT	BROWN Fine GRAIN Sand						
	37						CLAY LAYER @ 37' BLS.					0 ppm	0 ppm
							* TERMINATE Borehole @						
							36' BLS.						
							* SET well @ 36' BLS.						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ Well I.D. #:

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection
DRILLING RIG: Diedrich D-120

BORING NUMBER: well #11-A.
DATE: 6-2-98
GEOLOGIST: Tom Nicotera
DRILLER: Jim

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	6/6			dark	Brown Fine Grain Sand		Post hole to	0 ppm	0 ppm	0 ppm	0 ppm
	2'	NA	6/6						4' BLS.				
		NA	6/6										
	4'	NA	6/6										
	6'								WT @ 6' BLS				
	8'									0 ppm	0 ppm	0 ppm	0 ppm
	10'												
	12'												
	14'												
	15'									0 ppm	0 ppm	0 ppm	0 ppm

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: DIEDRICH D-120
BORING NUMBER: Well# 11-B.
DATE: 6-2-98
GEOLOGIST: TOM NICOTERA
DRILLER: JIM

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA			DARK	GREY FINE GRAIN SAND		POST holed TO	0 ppm	0 ppm	0 ppm	0 ppm
	2'	NA	NA						4' BLS.				
		NA	NA										
	4'	NA	NA										
* 5	5	NA	NA			DARK	BROWN FINE GRAIN SAND						
	6'	NA	NA						WATER TABLE @ 6' BLS.				
		NA	NA										
	8'	NA	NA										
		NA	NA										
* 10	10'	NA	NA										
		NA	NA										
	12'	NA	NA										
		NA	NA										
	14'	NA	NA										
* 15	15	NA	NA										
	16'	NA	NA										
		NA	NA										
	18'	NA	NA										
		NA	NA										
* 20	20'	NA	NA										
		NA	NA										
	22'	NA	NA										
		NA	NA										
	24'	NA	NA										
* 25	25'	NA	NA										

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: DIEDRICH D-120

BORING NUMBER: well#4 11-B
DATE: 6-2-98
GEOLOGIST: TOM NICOTERA
DRILLER: JIM

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26'	8/8	6/6			LT	TAN + PARK BROWN FINE						
	27'	8/9	6/6				GRAIN SAND.						
	28'	6/14	6/6										
	29'	14/18	6/6										
* 30'	30'	8/10	6/6										
	31'	15/15	6/6							0 ppm	0 ppm	0 ppm	0 ppm
	32'	10/10	6/6										
	33'	10/10	6/6						well set @ 33' bls				
	34'	4/4	6/6				CLAY (GREEN) STIFF						
* 35'	35'	4/9	6/6				CLAY (GREEN) STIFF						
	36'	9/9	6/6				CLAY (GREEN) STIFF						
	37'	9/9	6/6				CLAY (GREEN) STIFF						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0 ppm

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: Diedrich D-120
BORING NUMBER: Well # OLD-002-12A
DATE: 6-17-98
GEOLOGIST: TOM MICOTERA
DRILLER: NICK

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA				LT. GREY FINE GRAIN		POSITIONED TO	0 ppm			
	2						SAND.		4' BLS.				
							LT. BROWN FINE GRAIN						
	4						SAND.						
	6						DARK BROWN FINE						
							GRAIN SAND						
	8												
							BROWN FINE GRAIN						
	10						SAND		WATERTABLE @	0 ppm	0 ppm	0 ppm	0 ppm
									10' BLS.				
	12												
	14												
	15									0 ppm	0 ppm	0 ppm	0 ppm
							well set @ 15' BLS.						

* When rock coring, enter rock brokeness.

** Include monitor reading in 5 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Well set @ 15' BLS.

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ **Well I.D. #:** _____

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection
DRILLING RIG: Diedrich D-120

BORING NUMBER: Well # OLD-042-12B
DATE: 6-17-98
GEOLOGIST: Tom Nicotera
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA				Grey Fine Grain		Post Piled To	0/0	0/0	0/0	0/0
	2						Sand		4' BLS.				
						DK	Brown Fine Grain						
	4						Sand						
							Brown Fine Grain						
	6						Sand						
	8												
	10								Water Table @				
									10' BLS.				
	12												
	14												
	16												
	18					LT	Brown Fine						
							Grain Sand						
	20												
	22												
	24												
	25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0/0

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Ground Water Protection
DRILLING RIG: Diedrich D-120
BORING NUMBER: Well # OLD-042-12B
DATE: 6-17-98
GEOLOGIST: Tom Nicotera
DRILLER: Nick.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26	6/8	6/6				Lt Tan Fine		Started showing	0/m	0/m	0/m	0/m
	27	8/12	6/6				Grain Sand		@ 25' BLS.				
	28	4/4	6/6				Lt Greyish Tan						
	29	5/8	6/6				Fine Grain Sand.						
	30	2/3	0/6										
	31	2/2	6/6										
	32	2/1	6/6				Lt Brown Fine Grain						
	33	3/2	6/6				Sand.						
	34	1/2	6/6										
	35	3/2	6/6										
	36	1/10	6/6										
	37	11/8	6/6				Hit clay layer @ 37'			0/m	0/m	0/m	0/m

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Well set @ 36' BLS Flush.

Drilling Area Background (ppm): 0/m

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC - Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: GPI.
DRILLING RIG: Diedrich D-120

BORING NUMBER: OLD-042-13A
DATE: 6/8/98
GEOLOGIST: GB
DRILLER: Nick.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						gray	sand, medium to						
	2						coarse grained, vegetat		post hole 4'	ND	ND	ND	ND
							+ organics, poorly		↓				
	4						sorted						
						brown dk brn	sand, medium grained			ND	ND	ND	ND
	6						angular to sub						
							angular, well sorted						
	8												
	10									ND	ND	ND	ND
	12												
	14												
	15						↓			ND	ND	ND	ND
	15												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0 ppm

Remarks:

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-042-13B

BORING LOG

Page ___ of ___

PROJECT NAME: NTC-ORLANDO
PROJECT NUMBER: 7451
DRILLING COMPANY: Groundwater Protection Inc
DRILLING RIG: Diedrich D-120
BORING NUMBER: OLD-OU2-13B
DATE: 6/8/98
GEOLOGIST: GB
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							Sand, light grey		post-holed to 4 ft.				
	2						medium to coarse grained						
							organics, well sorted.						
	4						↓						
	5						Sand, dark brown			<1	<1	<1	<1
							med. grained, moist						
							well sorted						
	10									<1	<1	<1	<1
	15												
										<1	<1	<1	<1
							↓						
							Sand, light brown,						
	19						med. grained well sorted						
	20									<1	<1	<1	<1
	25	8/5					↓			<1	<1	<1	<1

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): <1 ppm

Converted to Well: Yes ✓ No ___ Well I.D. #: OLD-OU2-13B

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection Inc.
DRILLING RIG: Diedrich D-120

BORING NUMBER: OLD-OU2-13B
DATE: 6/8/98
GEOLOGIST: Gary Bragg
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		7/6					sand, grey green, med						
		6/6					grained, sub-angular						
		5/4					minor clay, poorly						
		4/6					consolidated.						
	30	5/7					clayey sand, greenish			<1	<1	<1	<1
		7/8					brown, soft						
		8/9					↓						
		12/10											
	34	11/6					clay, dark green,						
							stiff						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): <1 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-OU2-13B.

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection
DRILLING RIG: Diedrich D-120.

BORING NUMBER: Well # 14-A OLD-OU2-14A
DATE: 6-17-98
GEOLOGIST: Tom Nicotera
DRILLER: NICR

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA				Dark Brown & Grey Fine		Postholed to	0 ppm	0 ppm	0 ppm	0 ppm
	2						Grain sand		4' BLS				
							Brown Fine Grain						
	4						sand.						
	6												
	8												
	10								Water Table @ 10' BLS.	0 ppm	0 ppm	0 ppm	0 ppm
	12												
	14												
	15									0 ppm	0 ppm	0 ppm	0 ppm

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Well depth is 15' BLS

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ Well I.D. #: OLD-OU2-14A

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Ground Water Protection
DRILLING RIG: Diedrich D-120.
BORING NUMBER: Well # OLD-OU2-14B
DATE: 6-16-98
GEOLOGIST: Tom Nicotera
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA / NA	NA				Brown + Grey Fine		Post holed to	0	0	0	0
	2	NA / NA	NA				Grain Sand		4' B/S.				
		NA / NA	NA			Dark	Brown Fine Grain						
	4	NA / NA	NA				Sand						
	6												
	8												
	10								WATER Table @				
									10' B/S.				
	12												
							Brown Fine Grain						
	14						Sand						
	16												
	18												
	20												
	22												
	24								START split spoon				
	25	4 / 6	6 / 6						@ 25' B/S	0	0	0	0

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes / No Well I.D. #: OLD-OU2-14B

BORING LOG

PROJECT NAME: NTC - ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120

BORING NUMBER: Well # OLD-002-14B
DATE: 6-16-98
GEOLOGIST: Tom Nicotera
DRILLER: Mill.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26	9/3	6/6				LT. TAN Fine Grain						
	27	6/12	6/6				SAND						
	28	12/16	6/6										
	29	3/7	6/6										
	30	8/12	6/6				LT Greenish TAN Fine						
	31	6/17	6/6				Grain silty SAND						
	32	20/19	6/6										
	33	10/16	6/6										
	34	17/14	6/6										
	35						clay layer @						
							35' BLS.						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: well installed @ 34' BLS.

Drilling Area Background (ppm): 0/1/4

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-002-14B

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUND WATER PROTECTION
DRILLING RIG:

BORING NUMBER: Well # 15-A
DATE: 6-8-98
GEOLOGIST: TOM NICOTERA
DRILLER: JIM HINST

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA					DARK Brown + Grey Fine GRAIN		Postholed to			0 ppm	
	2'	NA					SAND		4' BLS.				
		NA											
	4'	NA					TAN FINE GRAIN SAND						
	6'						DARK BROWN FINE GRAIN SAND						
	8'												
	10'						BROWN FINE GRAIN SAND		WATERTABLE @				
									10' BLS.				
	12'												
	14'												
	15'												

* When rock coring, enter rock brokeness.

** Include monitor reading in 5 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7459
DRILLING COMPANY: Groundwater Protection
DRILLING RIG:
BORING NUMBER: Well #15-B
DATE: 6-8-98
GEOLOGIST: Tom Nicotera
DRILLER: Jim Hinst

	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
			NA	NA				DARK Brown Fine Grain Sand		postholed to 4' BLS.	0 ppm	0 ppm	0 ppm	0 ppm
		2	NA	NA										
			NA	NA				DARK Brown + Gray Fine Grain Sand						
		4	NA	NA										
*		5						LT TAN Fine Grain Sand.			0 ppm	0 ppm	0 ppm	0 ppm
		6												
		7												
		8						DARK Brown Fine Grain						
		9						Sand						
		10								WATERTable @				
		11								10' BLS.				
		12												
		13												
		14												
*		15									0 ppm	0 ppm	0 ppm	0 ppm
		16												
		17												
		18												
		19												
		20												
		21												
		22												
		23												
		24												
*		25	5 6	6 6				LT TAN Fine Grain Sand.			0 ppm	0 ppm	0 ppm	0 ppm

* When rock coring, enter rock brokeness.

** Include monitor reading in 5 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0 ppm

Remarks: * means soil sample collected here

Converted to Well: Yes ✓ No _____ **Well I.D. #:** _____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG:
BORING NUMBER: Well # 15-B
DATE: 6-8-98
GEOLOGIST: Tom NICOTERA
DRILLER: JIM HINST

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26	9/12	6"/6"				LT. TAN FINE GRAIN SAND						
	27	6/6	6"/6"							0ppm	0ppm	0ppm	0ppm
	28	5/9	6"/6"				OLIVE TAN FINE GRAIN SILTY						
	29	4/6	6"/6"				SAND						
	30	8/10	6"/6"										
	31	5/5	6"/6"										
	32	6/8	6"/6"										
	33	10/10	6"/6"										
	34	13/15	6"/6"				LT. TAN FINE GRAIN SAND						
	35	6/7	6"/6"				SILTY						
	36	7/12	6"/6"										
	37	4/6	6"/6"										
	38	8/10	6"/6"										
	39	6/7	6"/6"										
	40	5/5	6"/6"				HIT CLAY AT 40.5' BLS.						
	41						CLAY LAYER			0ppm	0ppm	0ppm	0ppm
							- TERMINATE BORING @						
							41' BLS.						
							- SET WELL @ 40' BLS.						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0ppm

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUND WATER PROTECTION
DRILLING RIG: DIEDRICH D-120

BORING NUMBER: Well #16-A
DATE: 6-7-98
GEOLOGIST: TOM NICOTRA
DRILLER: NICK

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1'	NA	NA				DARK BROWN & GREY FINE		NO STAINED TO			0 ppm	0 ppm
	2'	NA	NA				GRAIN SAND.		4' BLS.				
	3'	NA	NA										
	4'	NA	NA									1 ppm	0 ppm
	5'						DARK BROWN FINE GRAIN						
	6'						SAND.						
	7'												
	8'								WATERTABLE @				
	9'								8' BLS.				
	10'												
	11'												
	12'												
	13'												
	14'												
	15'											0 ppm	0 ppm

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection
DRILLING RIG: Diedrich D-120

BORING NUMBER: Well #16-B
DATE: 6-7-98
GEOLOGIST: Tom Nicotera
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1	NA	NA				Dark Brown & Grey Fine		Postholed To			0 ppm	0 ppm
	2	NA	NA				Grain Sand		4' BIS.				
	3	NA	NA										
	4	NA	NA				Dark Brown Fine Grain						
							Sand						
	6												
	8								Water Table @ 8' BIS.				
	10						Lt Brown Fine Grain						
							Sand						
	12												
	14												
	16												
	18												
	20												
	22												
	24												
	25		6' 6'				Lt Tan & Lt Brown Fine Grain Sand					0 ppm	0 ppm

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0 ppm

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUND WATER PROTECTION
DRILLING RIG: Diedrich D-120

BORING NUMBER: Well # 16-B
DATE: 6-7-98
GEOLOGIST: Tom Nicotera
DRILLER: NICK

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26						LT TAN + LT BROWN FINE GRAIN						
	27						SAND						
	28												
	29										0 ppm	0 ppm	0 ppm
	30												
	31						LT TAN/LT BROWN FINE GRAIN						
	32						SILTY SAND - COMPRESSED TIGHT @ 32'-33'						
	33												
	34						LT TAN COMPRESSED						
	35						SILTY SAND.						
	36						LT TAN SILTY SAND						
	37												
	38						HIT CLAY LAYER					0 ppm	0 ppm
	39												
							TERMINATE BORING @						
							39' BLS.						
							SET WELL @ 37' BLS.						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120

BORING NUMBER: OLD-042-17A
DATE: 6/17/98.
GEOLOGIST: CB
DRILLER: Nick.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						grey brown	sand, coarse grained		post hole to				
	2						vegetation, poorly		4'	ND	ND	ND	ND
							sorted						
	4												
										ND	ND	ND	ND
	6								saturated				
						4 Brown	sand, medium grained						
	8						mod. to well sorted						
							angular,						
	10									ND	ND	ND	ND
	12												
	14												
	15									ND	ND	ND	ND

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-042-17A

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 74457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120

BORING NUMBER: OLD-042-17B
DATE: 6/17/98
GEOLOGIST: GB
DRILLER: Nick.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						brown grey	sand, medium to		post hold to				
	2						coarse grained, poorly		4 ft	ND	ND	ND	ND
							sorted		↓				
	4												
										ND	ND	ND	ND
	6					Lt Brown	sand, medium, grained						
							well sorted angular						
	8						to sub angular						
							↓						
	10									ND	ND	ND	ND
	12						↓						
						Brown	same as above.						
	14						↓						
										ND	ND	ND	ND
	16					Lt grey	same as above						
							↓						
	18												
	20									ND	ND	ND	ND
	22												
	24												
							↓			ND	ND	ND	ND

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ Well I.D. #: OLD-042-17B

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 74557
DRILLING COMPANY: GPI
DRILLING RIG:
BORING NUMBER: OLD-042-17B
DATE:
GEOLOGIST: GB
DRILLER:

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	25	4/4				grey green	sand, medium grained		saturated	ND	ND	ND	ND
		5/8					well sorted, angular						
		7/3								ND	ND	ND	ND
		4/9											
	30	10/9								ND	ND	ND	ND
		4/3				green	same as above, minor clay						
	32	3/4											
	33	3/6				green	clay, dense, well			ND	ND	ND	ND
	34	7/2					consolidated						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No _____ Well I.D. #: OLD-042-17B.

BORING LOG

PROJECT NAME: NTC - Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120
BORING NUMBER: OLD-042-18A
DATE: 6/9
GEOLOGIST: GB
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						grey	sand, grey-brown		post holed to				
	2						coarse to medium grained		4'	ND	ND	ND	ND
							vegetation,						
	4												
						brown	sand, medium-grained			ND	ND	ND	ND
	6						sub-angular to						
							angular, well						
	8						sorted						
	10									ND	ND	ND	ND
	12												
	14												
	15									ND	ND	ND	ND

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-042-18A

BORING LOG

PROJECT NAME: NTC - ORLANDO.
PROJECT NUMBER: 7457.
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120
BORING NUMBER: OLD-OU2-18B
DATE: 6/9
GEOLOGIST: GB
DRILLER: Nick.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							sand, brown, med to		post 1, bed to				
	2						coarse grained, minor		4'	ND	ND	ND	ND
							pebbles, some organics						
	4						sand, grey, med. grained						
							angular to sub-angular			ND	ND	ND	ND
	7						sand, brown, med						
							grained, sub-angular						
							well sorted						
	10									ND	ND	ND	ND
	15									ND	ND	ND	ND
	20									ND	ND	ND	ND
							sand, dark brown						
							med. grained well						
							sorted						
	25	12/11								ND	ND	ND	ND

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0 ppm

Remarks:

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-OU2-18B

BORING LOG

PROJECT NAME: NTC - ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120

BORING NUMBER: OLD-OU2-18B
DATE: 6/9
GEOLOGIST: GB
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		10/13											
	27	13/15					sand, grey brown			ND	ND	ND	ND
		15/10					med. to fine grained						
		10/12					well compacted, well						
	30	9/9					sorted			ND	ND	ND	ND
	31	8/8					same as above						
		6/5					minor clay, increasing						
	33	5/4					with depth						
	33.5	4/					clay, green			ND	ND	ND	ND

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-OU2-18B

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: DIEDRICH D-120

BORING NUMBER: Well #19-A
DATE: 6-6-98
GEOLOGIST: TOM NICOTERA
DRILLER: NICK

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA				DARK BROWN FINE GRAIN		Postholed to			0 ppm	0 ppm
	2'	NA	NA				Sand		4' BLS.				
		NA	NA				LT BROWN FINE GRAIN						
	4'	NA	NA				Sand						
							DARK BROWN FINE GRAIN						
	6'						SAND.						
	8'												
	10'								WATER TABLE @				
									10' BLS.				
	12'												
	14'												
	15'											0 ppm	0 ppm
							Borehole Terminated @						
							15' BLS.						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0 ppm

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection
DRILLING RIG: Diedrich D120

BORING NUMBER: Well # 19-B
DATE: 6-6-98
GEOLOGIST: Tom Nicotera
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1	NA	NA				DARK Brown Fine Grain Sand		Postholed to 4' BLS.			0 ppm	ppm
	2	NA	NA				↓						
	3	NA	NA				LT Brown Fine Grain Sand						
	4	NA	NA				↓						
	5	5 / 3					DARK Brown Fine Grain Sand						
*	6	5 / 6					↓						
	7												
	8												
	9						↓						
	10	5 / 6					Rusty Brown Fine Grain Sand		Water Table at 10' BLS.	0 ppm	0 ppm	1 ppm	0 ppm
	11	18 / 27					↓						
	12												
	13												
	14						↓						
	15	5 / 5					LT Brown Fine Grain Sand			0 ppm	0 ppm	0 ppm	0 ppm
*	16	12 / 17					↓						
	17												
	18												
	19						↓						
	20	7 / 9					LT Tan Fine Grain Sand						
	21	11 / 10					↓						
	22												
	23												
	24												
*	25	4 / 4					↓						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #:

BORING LOG

PROJECT NAME: NTC ORlando
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: Diedrich D-120

BORING NUMBER: Well # 19-B
DATE: 6-6-98
GEOLOGIST: TOM NICOTERA
DRILLER: NICK

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26	13/15					LT TAN FINE GRAIN SAND						
	27	9/16					↓						
	28	18/20											
	29	3/5											
	30	9/12											
	31	9/14											
	32	18/22											
	33	2/2											
	34	4/6					LT GREY FINE GRAIN SILTY						
	35	3/3					SAND "COMPRESSED TIGHTLY"						
	36	8/7											
	37						HIT CLAY LAYER AT						
	~~38~~						37' BLS.						
	~~39~~						TERMINATE BOREHOLE						
	~~40~~						AT 37'						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #:

BORING LOG

PROJECT NAME: NTC ORlando
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: Diedrich D-120

BORING NUMBER: Well #20-A
DATE: 6-24-98
GEOLOGIST: TOM NICOTERA
DRILLER: NICK

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA			DK	Brown + Grey Fine		Postholed to	0 ppm	0 ppm	0 ppm	0 ppm
	2						Grain Sand		4' BLS.				
	4												
						DK	Brown Fine						
	6						Grain Sand						
	8												
	10								WATER TABLE @ 10' FT.	0 ppm	0 ppm	0 ppm	0 ppm
						LT.	TAN/Light Creamy Brown						
	12						Fine Grain Sand						
	14												
	15									0 ppm	0 ppm	0 ppm	0 ppm

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0 ppm

Remarks:

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: DIEDRICH D-120

BORING NUMBER: Well # 20-B
DATE: 6-24-98
GEOLOGIST: TOM NICOTERA
DRILLER: NICK

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA			DK	Brown + Grey Fine		Postholed To				
	2	NA	NA				Grain Sand		4' BLS.				
		NA	NA										
	4	NA	NA										
						DK	Brown Fine						
	6						Grain Sand						
	8												
						Lt.	Tanish Creamy Brown						
	10						Fine Grain Sand		Water Table @ 10' BLS				
	12												
	14												
	16												
	18												
	20												
	22												
	24												
	25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: START SPLITSPOONING @ 25' BLS.

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection
DRILLING RIG: Diedrich D-120

BORING NUMBER: Well #20-B
DATE: 6-24-98
GEOLOGIST: Tom Nicotra
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	25												
	26	2/2	6/6			LT	Tanish Cream Brown						
	27	4/6	6/6				Fine Grain Sand						
	28	3/6	6/6			LT	Tanish Green						
	29	8/12	6/6				Fine Grain Sand						
	30	3/4	6/6										
	31	6/8	6/6										
	32	2/2	6/6										
	33	5/8	6/6										
	34	5/4	6/6										
	35	5/8	6/6										
	36	4/5	6/6				LT Tanish Green						
	37	6/8	6/6				Fine Grain Sand + some clay						
	38	4/5	6/6										
	39	5/6	6/6										
	40	3/3	6/6										
	41	4/3	6/6				Hit clay layer @ 41'						
	42	2/2	6/6										
	43	3/2	6/6										
							Set well casing @ 40' with (3') stickup						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0 ppm

Remarks:

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC-Orlando.
PROJECT NUMBER: 7457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120

BORING NUMBER: OLD-042-21A
DATE: 6/22
GEOLOGIST: AB
DRILLER: Nick.

Sample No. and Type or RQD	Depth (FL) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/FL) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						dk grey	sand, coarse grained		port hold to 4'				
	2						pebbles + cobbles, poorly			ND	ND	ND	ND
							sorted						
	4						↓						
										ND	ND	ND	ND
	6					brown	sand, medium grained						
							well sorted, angular						
	8						to sub angular		saturated				
							↓		↓				
	10									ND	ND	ND	ND
	12												
	14												
										ND	ND	ND	ND

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-042-21A

BORING LOG

PROJECT NAME: NTC - Orlando.
PROJECT NUMBER: 74577
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120

BORING NUMBER: OLD-042-21 B
DATE: 6/17
GEOLOGIST: GB
DRILLER: Nick.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						gray brown	sand, coarse grained		post hole to 4'				
	2						pebbles + cobbles, vegetation			ND	ND	ND	ND
							poorly sorted						
	4						↓		↓				
						brown	sand, medium grained			ND	ND	ND	ND
	6						mod. to well sorted						
							angular to subangular		saturated				
	8												
	10									ND	ND	ND	ND
	12												
	14												
										ND	ND	ND	ND
	16												
	18						↓						
						Lt. brown	sand, same as						
	20						above			ND	ND	ND	ND
	22												
	24												
		11/10					↓		↓	ND	ND	ND	ND

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-042-21 B

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120
BORING NUMBER: OLD-042-21B
DATE: 6/17
GEOLOGIST: GB
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		9/9					sand, fine grained						
	28	8/12					angular, well sorted						
		12/10											
	29	11/11											
		8/8								ND	ND	ND	ND
		5/4											
	32	4/3				green grey	clay, very stiff, well consolidated						
										ND	ND	ND	ND

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No

Well I.D. #: OLD-042-21B

BORING LOG

PROJECT NAME: NTC Orlando.
PROJECT NUMBER: 7457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120
BORING NUMBER: OLD-042-22A
DATE: 6/16/98
GEOLOGIST: GB
DRILLER: Nick.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						gray brown	sand, gray brown,		post hole to				
	2						coarse grained, weathered		4'	ND	ND	ND	ND
							poorly sorted						
	4												
										ND	ND	ND	ND
	6												
						brown	sand, medium grained		saturated				
	8						angular to sub-angular						
							well sorted						
	10									ND	ND	ND	ND
	12												
	14									ND	ND	ND	ND

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-042-22A

BORING LOG

PROJECT NAME: NTC - Orlando.
PROJECT NUMBER: 7457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120

BORING NUMBER: OLD-OU2-22B
DATE: 6/11
GEOLOGIST: BB
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						grey	sand, coarse grained		posthole to				
	2'						some pebbles + vegetation		4'	OPPM	ND	ND	ND
							poorly sorted.		↓				
	4'					4 Brown	sand, medium grained						
							well sorted, angular						
	6'						to sub angular						
							↓						
	8'												
	10'												
	12'												
	14'												
	16'												
	18'												
	20'						↓						
						brown	sand, medium to						
	22'						fine grained, angular						
							well sorted.						
	24'												
		9 / 8											

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm):

Remarks:

Converted to Well: Yes ____ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC-Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: GPI
DRILLING RIG: Diedrich D-120

BORING NUMBER: OLD-042-22B.
DATE: 6/11
GEOLOGIST: BB
DRILLER: Nick.

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		8/7					sand, fine grained						
	26	10/8					well sorted			ND	ND	ND	ND
		8/9					↓						
	28	9/10											
	30	12/11				grey green	sandy clay, poorly			ND	ND	ND	ND
	31	5/4					consolidate						
	32	3/3				green	clay, stiff, well consolidated						
							dry						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: OLD-042-22B

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Ground Water Protection
DRILLING RIG: Diedrich D-120

BORING NUMBER: Well # OLD-002-B3C
DATE: 6-20-98
GEOLOGIST: Tom Nicoterra
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA				DARK GREY		POST holed To	0			
	2	NA	NA				FINE GRAIN SAND		4' BIS.				
		NA	NA										
	4	NA	NA										
							DARK BROWN						
	6						FINE GRAIN SAND						
	8												
	10								WATERTable @	0			
						CT	BROWN FINE		10' BIS				
	12						GRAIN SAND						
	14												
	16												
	18												
	20												
	22												
	24												
	25									0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0 ppm

Remarks: STARTED SPLIT SPOONING @ 25' BIS.

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: Diedrich D-120
BORING NUMBER: Well # OU3-OU2-23C
DATE: 6-20-98 & 6-25-98
GEOLOGIST: TOM NICOTERA
DRILLER: NICK

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
Spooned	26	4/6	2/2			Brown/Grey	Fine Grain Sand						
Spooned	27	18/13	6/6				HIT CLAY @ 28' BLS.			0 ppm	0 ppm	0 ppm	0 ppm
	28	5/6	6/6										
	29	7/9	6/6							0 ppm	0 ppm	0 ppm	0 ppm
	30	NA	NA	Note			Shelby Tube 29'-31'						
	31	NA	NA										
	32	NA	NA		Note		Well casing set						
	33	NA	NA				@ 31' BLS.						
	34'	NA	NA				3' into clay.						
	35	NA	NA										
	36'	NA	NA										
	37'	NA	NA										
	38'	NA	NA										
	39'	NA	NA										
	40'	NA	NA										
	41'	NA	NA	Note			Shelby Tube collected @						
Spooned	42'	NA	NA				40'-42'						
	43	6/6	6/6			Grey	CLAY with shell						
	44	8/9	6/6				FRAGMENTS						
Spooned	45	12/13	6/6										
	46	13/15	6/6										
Spooned	47	12/13	6/6										
	48	18/16	6/6				HIT Brown Fine Sand.			0 ppm	0 ppm	0 ppm	0 ppm
	49	NA	NA				with Alot of Shell.						
	50	NA	NA				fragments @ 48' BLS.						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0 ppm

Remarks:

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: DIEDRICK D-120

BORING NUMBER: Well # OVD-042-23C
DATE: 6-25-98
GEOLOGIST: TOM NICOTERA
DRILLER: NICK

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	S1	NA	NA				Brown Fine Grain						
	S2						sand with Alot of						
	S3						Shell fragments.						
	S4												
	S5												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 9457
DRILLING COMPANY: Ground Water Protection
DRILLING RIG: Diedrich D-120
BORING NUMBER: Well # OLD-OU2-24C
DATE: 6-18-98
GEOLOGIST: Tom Nicotera
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA				DARK Brown + Grey Fine		POST hole to	0 ppm	0 ppm	0 ppm	0 ppm
	2						Grain sand		4' BLS.				
	4						Brown Fine Grain						
							sand.						
	6												
	8												
	10								Watertable @ 10 BLS.	0 ppm	0 ppm	0 ppm	0 ppm
	12												
	14												
	15												
	16						Lt Brown Fine Grain Sand						
	17												
	18												
	20												
	22												
	24												
	25						Lt Tan Fine Grain Sand.			0 ppm	0 ppm	0 ppm	0 ppm

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0 ppm

Remarks:

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: Diedrich D-120
BORING NUMBER: Well # OLD-OU2-24C
DATE: 6-18-98 + 6-22-98
GEOLOGIST: Tom NICOTERA
DRILLER: NICK

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
	26	6/9	1/3				LT TAN FINE GRAIN SAND						
	27	14/22	6/6										
	28	13/15	6/6				"						
	29	20/27	6/6										
	30	6/6	6/6				"						
	31	6/5	6/6										
	32	4/6	6/6				"						
	33	3/1	6/6										
	34	1/1	6/6				HIT CLAY LAYER @34'			0			
	35	1/3	6/6				CLAY LAYER (GREY)						
	36	NA/NA	NA	2'			Shelby Tube.						
	37	NA/NA	NA				"		well CASING SET-37' BLS.				
	38	NA/NA	NA				STARTED SPLIT SPOONING @ 38'						
	39	8/10	6/6				GREY CLAY						
	40	17/18	6/6										
	41	1/1	6/6										
	42	1/1	6/6										
	43	1/2	6/6										
	44	3/3	6/6										
	45	3/3	6/6										
	46	2/2	6/6										
	47	2/1	6/6										
	48	1/1	6/6										
	49	2/2	6/6										
	50	3/6	6/6							0			

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: TAKE Shelby Tube @ 35'-37'; SET well CASING #H-2 at 37' BLS - IN CLAY LAYER

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: Diedrich D-120
BORING NUMBER: Well # OU-042-24C
DATE: 6-22-98
GEOLOGIST: TOM NICOTERA
DRILLER: NICK

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
	50												
	51	1/1	6/6				CLAY LAYER (GREY)						
	52	1/1	6/6										
	53	1/2	6/6										
	54	1/1	6/6										
	55	3/3	6/6										
	56	2/3	6/6										
	57	6/6	6/6	*			HIT SAND LAYER @ 57' BLS.						
	58	8/10	6/6				GREY + LT BROWN FINE GRAIN SAND						
	59	NA/NA	NA	NOTE			Shelby Tube (58'-60')						
	60	NA/NA	NA				"UN SUCESSFUL"						
	61	8/10	6/6										
	62	10/14	6/6										
	63	10/9	6/6										
	64	11/13	6/6				Well screen set @ 64'			0 ppm	0 ppm	0 ppm	0 ppm

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Well set @ 64' BLS with 3' stick up

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection
DRILLING RIG: Diedrich D-120
BORING NUMBER: Well # OLD-042-25C
DATE: 6-19-98
GEOLOGIST: Tom Nicotera
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Breathing**	Driller BZ**
		NA	NA				Grey & Brown			0/m	0/m	0/m	0/m
	2						Fine Grain Sand.						
							Dark Brown						
	4						Fine Grain Sand						
	6												
	8												
	10					Lt. Brown	Fine		Water Table @	0/m	0/m	0/m	0/m
							Grain Sand		10' BLS.				
	12												
	14												
	16												
	18												
	20					Lt Tan	Fine						
							Grain Sand						
	22												
	24												
	25									0/m	0/m	0/m	0/m

* When rock coring, enter rock brokeness.

** Include monitor reading in 5 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0/m

Remarks:

Converted to Well: Yes ✓ No _____ **Well I.D. #:** _____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: DIEDRICH D-120
BORING NUMBER: Well # OLD-042-25C
DATE: 6-19-98
GEOLOGIST: TOM NICOTERA
DRILLER: NICK

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26	NA	NA				LT. TAN FINE						
	27						GRAIN SAND						
	28												
	29												
	30												
	31												
	32												
	33	NA	NA				HIT CLAY 33' BLS.						
	34	NA	NA	NOTE			Shelby Tube 33'-35'						
	35	NA	NA										
	36						SET well casing @ 36' BLS						
	37												
	38												
	39												
	40						CLAY						
	41												
	42												
	43												
	44												
	45												
	46												
	47												
	48												
	49						collect Shelby Tube						
	50						Here 48'-50' BLS.						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: did NOT SPLIT SPOON due TO close PROXIMITY TO WELL # 4-4

Converted to Well: Yes ✓ No _____ Well I.D. #: _____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: DIEDRICH D-120
BORING NUMBER: Well # OLD-042-25C
DATE: 6-23-98
GEOLOGIST: TOM NICOTERA
DRILLER: NICK

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	51'	NA	NA				CLAY						
	52												
	53						LT. BROWN FINE GRAIN						
	54						SAND @ 53' BLS						
	55												
	56												
	57												
	58												
	59						LT. GREENISH GREY FINE						
	60						GRAIN SAND WITH						
	61						SHELL FRAGMENTS						
	62												
	63												
	64												
	65												
	66												
	67												
	68												
	69												
	70												
	71	13/14	6/6										
	72	19/20	6/6										
	72½	NA	NA				WELL SET @ 72½' BLS						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection
DRILLING RIG: Diedrich D-120
BORING NUMBER: Well # OUD-002-26C
DATE: 6-19-98
GEOLOGIST: Jon Nicotra
DRILLER: Nick

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		NA	NA				Grey + Brown Fine		Postholed To	0/m	0/m	0/m	0/m
	2						Grain Sand		4' BPS.				
							Dark Brown Fine						
	4						Grain Sand						
	6												
	8												
	10								Water Table @ 10' BS	0	0	0	0
						LT	Brown Fine Grain						
	12						Sand						
	14												
	16												
	18												
						LT	Tan Fine Grain						
	20						Sand						
	22												
	24												
	25									0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0/m

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUND WATER PROTECTION
DRILLING RIG: Diedrich D-120
BORING NUMBER: Well # OLD-042-26C
DATE: 6-19-98 + 6-22-98
GEOLOGIST: TOM MIETERA
DRILLER: NICK

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	26	6/8	6/6				LT. TAN FINE GRAIN						
	27	11/12	6/6				SAND.						
	28	4/7	6/6										
	29	10/11	6/6										
	30	6/9	6/6										
	31	9/10	6/6										
	32	3/4	6/6										
	33	6/10	6/6				HIT CLAY LAYER @						
	34	NA/	NA	Not			33' BLS						
	35	NA/	NA				Shelby Tube 33' to 35'						
	36	NA/	NA				-SET well casing at						
	37	NA/	NA				36' BLS.						
	38	14/12	6/6				* 3' INTO CLAY LAYER						
	39	12/8	6/6										
	40	5/7	6/6				LT. GREEN CLAY		STIFF				
	41	7/8	6/6										
	42	3/2	6/6										
	43	3/5	6/6										
	44	3/4	6/6										
	45	3/6	6/6				LT GREEN CLAY		VERY STIFF				
	46	2/1	6/6										
	47	4/5	6/6										
	48	5/4	6/6										
	49	4/6	6/6										
	50	3/2	6/6										

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: GROUNDWATER PROTECTION
DRILLING RIG: DIEDRICH D-120
BORING NUMBER: Well #
DATE: 6-23-98
GEOLOGIST: TOM NICOTERA
DRILLER: NICK

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	49 50												
	51	2/2	6"/6				CLAY						
	52	2/2	6/6				53'						
	53	3/2	6/6		Hit Sand @		LT. BROWN FINE GRAIN						
	54	6/10	6/6				SAND						
	55	10/12	6/6										
	56	6/8	6/6										
	57	12/14	6/6										
	58	14/12	6/6										
	59	11/11	6/6				GREENISH GREY SAND WITH SHELL FRAGMENTS						
	60						SET WELL #H-4 @ 60'			0 ppm	0 ppm	0 ppm	0 ppm

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: SAND ENCOUNTERED @ 53' BLS.

Drilling Area Background (ppm): 0 ppm

Converted to Well: Yes ✓ No ____ Well I.D. #: ____

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	27A
PROJECT NUMBER:	7457	DATE:	6-Feb-01
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Geoprobe 6600 truck-mounted	DRILLER:	Bill Hammond

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
								See boring log for well OU2-27B,						
								wells 27A and 27B installed in						
								tandem, boring not logged.						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks:

Drilling Area Background (ppm):

Converted to Well? Yes X No

Well I.D. #: OLD-OU2-27A

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	OLD-OU2-27B
PROJECT NUMBER:	# 7457	DATE:	06-Feb-01
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich D-120	DRILLER:	Bill Hammond

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
DPT 1			6/6	1016			lt brn	silty, med.-grnd SAND		moist, no odor				
			6/6				dk brn	silty, fine-grnd SAND		moist, no odor				
			6/6											
	4		6/3											
DPT 2	4		6/6	1018										
			6/6					becomes med-grnd, contains or-						
			6/6					ganic material						
	8		6/6					same, trace clay						
DPT 3	8		6/6	1022										
			6/6											
			6/6				brn	med-grnd SAND with blk mottles		v. moist, no odor				
	12		6/6											
DPT 4	12		6/6	1030			brn	silty, med- to coarse-grnd SAND		saturated, HS odor				
			6/6											
			6/6				brn	med-grnd SAND with blk mottles		moist				
	16		6/6				lt brn	med- to coarse-grnd SAND		saturated, degraded				
DPT 5	16		6/6	1033						petro odor				
			6/6											
			6/6											
	20		6/6											
DPT 6	20		6/6	1038										
			6/6											
			6/6				lt brn	med- to coarse-grnd CLAYEY		v. moist				
	24		6/6					SAND						
DPT 7	24		6/6											

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: PID/FID not available at time of drilling.

Drilling Area Background (ppm):

Converted to Well? (Yes) No

Well I.D. #: OLD-OU2-27B

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	OLD-OU2-27B
PROJECT NUMBER:	# 7457	DATE:	06-Feb-01
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich D-120	DRILLER:	Bill Hammond

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
			6/6	1044				same, less clay, some silt		wet, strong odor				
			6/6											
	28		6/6											
DPT 9	28		6/6	1018										
			6/6											
			6/6											
	32		6/6				dk brn	fine- to med-grnd SAND		soupy, strong odor				
								Boring Terminated @ 32 ft BGS						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: PID/FID not available at time of drilling.

Drilling Area Background (ppm):

Converted to Well? Yes No

Well I.D. #: OLD-OU2-27B

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	28A
PROJECT NUMBER:	7457	DATE:	7-Feb-01
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Geoprobe 6600 truck-mounted	DRILLER:	Bill Hammond

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
								See boring log for well OU2-28B,						
								wells 28A and 28B installed in						
								tandem, boring not logged.						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks:

Drilling Area Background (ppm):

Converted to Well? Yes X No

Well I.D. #: OLD-OU2-28A

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	OLD-OU2-28B
PROJECT NUMBER:	# 7457	DATE:	09-Feb-01
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich D-150	DRILLER:	Nick Smarrito

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
CUTS	0			0856			lt brn	silty, med.-grnd SAND				0	0	0
							dk brn	silty, fine-grnd SAND				0	0	0
								encounter groundwater		saturated, light HS odor		0	0	0
								some clay						
	25													

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: Boring initially drilled on 2/7/01 but unable to set well, was redrilled on this date. Vapor readings taken with a PID.

Drilling Area Background (ppm): 0

Converted to Well? (Yes) No

Well I.D. #: OLD-OU2-28B

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	OLD-OU2-28B
PROJECT NUMBER:	# 7457	DATE:	09-Feb-01
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich D-150	DRILLER:	Nick Smarrito

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
CUTS								trace clay, silty						
	32			0907			dk brn	fine- to med-grnd SAND		soupy		0	0	0
								Boring Terminated @ 32 ft BGS						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: Boring initially drilled on 2/7/01 but unable to set well, was redrilled on this date. Vapor readings taken with a PID.

Drilling Area Background (ppm): 0

Converted to Well? Yes No

Well I.D. #: OLD-OU2-28B

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	29A
PROJECT NUMBER:	7457	DATE:	13-Feb-02
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich 150	DRILLER:	Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	PID/FID Reading (ppm): Sampler BZ	PID/FID Reading (ppm): Borehole**	PID/FID Reading (ppm): Driller BZ**
								See boring log for well OU2-29B,						
								wells 29A and 29B installed in						
								tandem, boring not logged.						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks:

Drilling Area Background (ppm):

Converted to Well? Yes No

Well I.D. #: OLD-OU2-29A

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: # 7457
DRILLING COMPANY: Groundwater Protection Inc.
DRILLING RIG: Diedrich D-150
BORING NUMBER: OLD-OU2-29B
DATE: 13-Feb-02
GEOLOGIST: Skip Barton
DRILLER: Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
CUTS	0			1319			lt brn & gray	silty, fine sand				0	0	0
	5													
	10													
SS	12													
		4 / 3	6 / 6				brown	silty sand		v. moist to wet		0	0	0
01	14	3 / 7	6 / 2				gry & brn	fine silty sand, trace clay						
	15													
								encounter GW @ appro. 14.5 ft						
	15													
	25													

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Drilling Area: 0
Background (ppm): 0

Remarks: Vapor readings taken with a PID.

Converted to Well? (Yes) No

Well I.D. #: OLD-OU2-29B

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: # 7457
DRILLING COMPANY: Groundwater Protection Inc.
DRILLING RIG: Diedrich D-150
BORING NUMBER: OLD-OU2-29B
DATE: 11-Feb-02
GEOLOGIST: Skip Barton
DRILLER: Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
SS	26													
		6 5	6 6				gry/ brn	fine silty sand w/ clay		saturated		0	0	0
02	28	5 8	6 4				gry	silty sand						
							gry	silty sand w/ clay						
								Boring Terminated @ 30 ft BGS						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Drilling Area Background (ppm): 0 / 0

Remarks: Vapor readings taken with a PID.

Converted to Well? Yes No

Well I.D. #: OLD-OU2-29B

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection, Inc.
DRILLING RIG: Diedrich D120

BORING NUMBER: OLD - OU2 - 30A
DATE: February 12, 2002
GEOLOGIST: Skip Barton
DRILLER: Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or RQD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
								Grey / Black				0	0	
								fine silty Sand						
	5													
	10													
	15													

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: No Spoon Sample

Drilling Area Background (ppm): 0

Converted to Well? Yes ✓ No _____ Well I.D. #: OLD - OU2 - 30A

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection, Inc.
DRILLING RIG: Diedrich D120

BORING NUMBER: OLD-002-30B
DATE: February 12, 2002
GEOLOGIST: Skip Barton
DRILLER: Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				9:28				Grey / Black				0	0	0
								Fine Silty Sand						
	5													
	10													
	15													
	20													
	25											0	0	

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: Lithology from cuttings - No spoons taken.

Drilling Area Background (ppm): 0

Converted to Well? Yes ✓ No _____ Well I.D. #: OLD-002-30B

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection Inc
DRILLING RIG: Diedrich D120

BORING NUMBER: ~~AFF~~ OLD- OU2 - 30B
DATE: February 12, 2002
GEOLOGIST: Skip Barton
DRILLER: Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
								Grey / Black fine Silty Sand						
30	~~9.54~~ 30			9:54								0	0	

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: No Spoon Sample

Drilling Area Background (ppm): 0

Converted to Well? Yes ✓ No _____ Well I.D. #: OLD - OU2 - 30B

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection, Inc
DRILLING RIG: Diedrich D120
BORING NUMBER: OLD-OU2-31A
DATE: 2-13-02
GEOLOGIST: Skip Burton
DRILLER: Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or RQD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
								Grey / Brown Silty Sand						
	5													
	10													
	15													

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: No Spoon Sample

Drilling Area Background (ppm): -0-

Converted to Well? Yes ✓ No _____ Well I.D. #: OLD-OU2-31A

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection Inc.
DRILLING RIG: Diedrich D120

BORING NUMBER: OLD-002-31B
DATE: 2-13-02
GEOLOGIST: Skip Barton
DRILLER: Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or RQD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
								Grey / Brown Sand						
	5													
	10													
	15													
	20													
	25													

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: No Spoon Sample

Drilling Area Background (ppm): 0

Converted to Well? Yes ✓ No _____ Well I.D. #: OLD-002-31B

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection Inc
DRILLING RIG: Diedrich D120
BORING NUMBER: OLD - 002 - 31 B
DATE: 2-13-02
GEOLOGIST: Skip Barton
DRILLER: Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
								Gray / Brown Sand						
	30							↓						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: No Spoon Sample

Drilling Area Background (ppm): -0-

Converted to Well? Yes ✓ No _____ Well I.D. #: OLD - 002 - 31 B

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	32A
PROJECT NUMBER:	7457	DATE:	11-Feb-02
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich 150	DRILLER:	Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
								See boring log for well OU2-32B,						
								wells 32A and 32B installed in						
								tandem, boring not logged.						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks:

Drilling Area Background (ppm):

Converted to Well? Yes No

Well I.D. #: OLD-OU2-32A

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: # 7457
DRILLING COMPANY: Groundwater Protection Inc.
DRILLING RIG: Diedrich D-150

BORING NUMBER: OLD-OU2-32B
DATE: 11-Feb-02
GEOLOGIST: Skip Barton
DRILLER: Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
CUTS	0			0918			lt brn & gray	silty, med.-grnd SAND				0	0	0
	5													
	10													
SS	12													
		3 5	6 6	0934			drk gry/ blk	v. fine silty sand		v. moist, light HS odor		0	0	0
01	14	7 8	2				olive brn	fine silty sand, trace clay						
	15							encounter GW @ appro. 15 ft						
	20													
	25													

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Drilling Area: 0
Background (ppm): 0

Remarks: Vapor readings taken with a PID.

Converted to Well? (Yes) No

Well I.D. #: OLD-OU2-32B

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: # 7457
DRILLING COMPANY: Groundwater Protection Inc.
DRILLING RIG: Diedrich D-150
BORING NUMBER: OLD-OU2-32B
DATE: 11-Feb-02
GEOLOGIST: Skip Barton
DRILLER: Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
SS	26													
		3 6	6 6	09074			drk gry/ blk	fine silty sand w/ clay		saturated		0	0	0
02	28	7 13	3				olive/ tan	fine silty sand, trace clay						
30														
								Boring Terminated @ 30 ft BGS						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Drilling Area Background (ppm): 0 / 0

Remarks: Vapor readings taken with a PID.

Converted to Well? (Yes) No

Well I.D. #: OLD-OU2-32B

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection, Inc.
DRILLING RIG: Diedrich D120
BORING NUMBER: OLD-OU2 33A
DATE: 2-12-02
GEOLOGIST: Skip Barton
DRILLER: Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or RQD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				1517				grey / black fine silty sand					0	0
	5													
	10													
	15			1531										

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: Spoon Sample Taken

Drilling Area Background (ppm): 0

Converted to Well? Yes ✓ No _____ Well I.D. #: OLD-OU2-33A

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection, Inc.
DRILLING RIG: Diedrich D120
BORING NUMBER: OLD-OU2-33B
DATE: 2-12-02
GEOLOGIST: Skip Barton
DRILLER: Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or RQD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				1343									0	0
								Gray / Black silty Sand						
	5													
	10													
	15													
	20													
	25													

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: No Spoon Sample taken

Drilling Area Background (ppm): 0

Converted to Well? Yes ✓ No _____

Well I.D. #: OLD ~~OU2~~ - OU2 - 33B

BORING LOG

PROJECT NAME: NTC ORLANDO
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection, Inc.
DRILLING RIG: Diedrich D120

BORING NUMBER: OLD-002-33B
DATE: 2-12-02
GEOLOGIST: Skip Barton
DRILLER: Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or RQD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
								grey / black						
								silty sand						
								↓						
	30												~~0~~	~~0~~

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: No Spoon Sample Collected

Drilling Area Background (ppm): 0

Converted to Well? Yes ✓ No _____ Well I.D. #: OLD-002-33B

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	34A
PROJECT NUMBER:	7457	DATE:	14-Feb-02
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich 150	DRILLER:	Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
								See boring log for well OU2-01A,						
								well 34A replaced 01A, boring						
								not logged.						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks:

Drilling Area Background (ppm):

Converted to Well? Yes No

Well I.D. #: OLD-OU2-34A

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	35B
PROJECT NUMBER:	7457	DATE:	15-Feb-02
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich 150	DRILLER:	Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
								See boring log for well OU2-06B,						
								well 35B replaced 06B, boring						
								not logged.						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks:

Drilling Area Background (ppm):

Converted to Well? Yes No

Well I.D. #: OLD-OU2-35B

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	36A
PROJECT NUMBER:	7457	DATE:	14-Feb-02
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich 150	DRILLER:	Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
								See boring log for well OU2-08A,						
								well 36A replaced 08A, boring						
								not logged.						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks:

Drilling Area Background (ppm):

Converted to Well? Yes No

Well I.D. #: OLD-OU2-36A

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection Inc
DRILLING RIG: Diedrich D120
BORING NUMBER: OLD-OU2-37B
DATE: 2-12-02
GEOLOGIST: Skip Barton
DRILLER: Gary Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
								Grey / Blackish Brown fine Silty Sand						
	5													
	10													
	15													
	20													
	25													

* When rock coring, enter rock brokeness.
** Include monitor reading in 5 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: No Spoon Sample

Drilling Area Background (ppm): 0

Converted to Well? Yes ✓ No _____ Well I.D. #: OLD-OU2-37B

*. Note: Replaced OLD-OU2-11B

BORING LOG

PROJECT NAME: NTC Orlando
PROJECT NUMBER: 7457
DRILLING COMPANY: Groundwater Protection Inc.
DRILLING RIG: Diedrich D120
BORING NUMBER: OLD-002-37B
DATE: 2-12-02
GEOLOGIST: Skip Barton
DRILLER: Mark Wagner

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or RQD (%)	Sample Recovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
								Grey/ Black/ Brown						
								fine Silty Sand						
								↓						
	30											0	0	

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: No Spoon Sample

Drilling Area Background (ppm): 0

Converted to Well? Yes ✓ No _____ Well I.D. #: OLD-002-37B

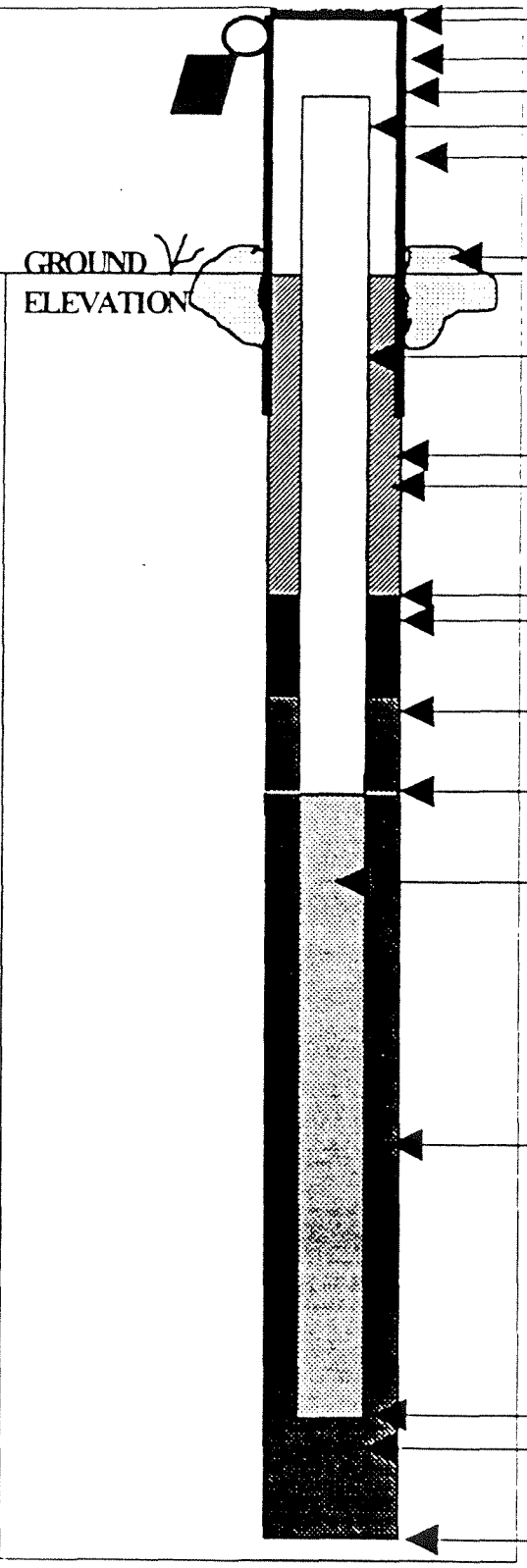
* Replaced OLD-002-11R

Completion Logs

BORING NO 01 A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7451	BORING	CLD-002-01 A	METHOD:	DPT
ELEVATION	N/A	DATE	6/1/98	DRILLING	HSA
FIELD GEOLOGIST	TN			DEVELOPMENT	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK -UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING:

TYPE OF SURFACE CASING: Flush mounted 4" bolt down manhole cover.

TYPE OF SURFACE SEAL: Concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Bentonite/cement grout

ELEVATION / DEPTH OF SEAL: 11.40

TYPE OS SEAL: 30/65 Silica sand

DEPTH TOP OF SAND PACK: 2.40

ELEVATION / DEPTH TOP OF SCREEN: 14.40

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.010 x 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 14.40

ELEVATION / DEPTH BOTTOM OF SAND PACK: 14.90

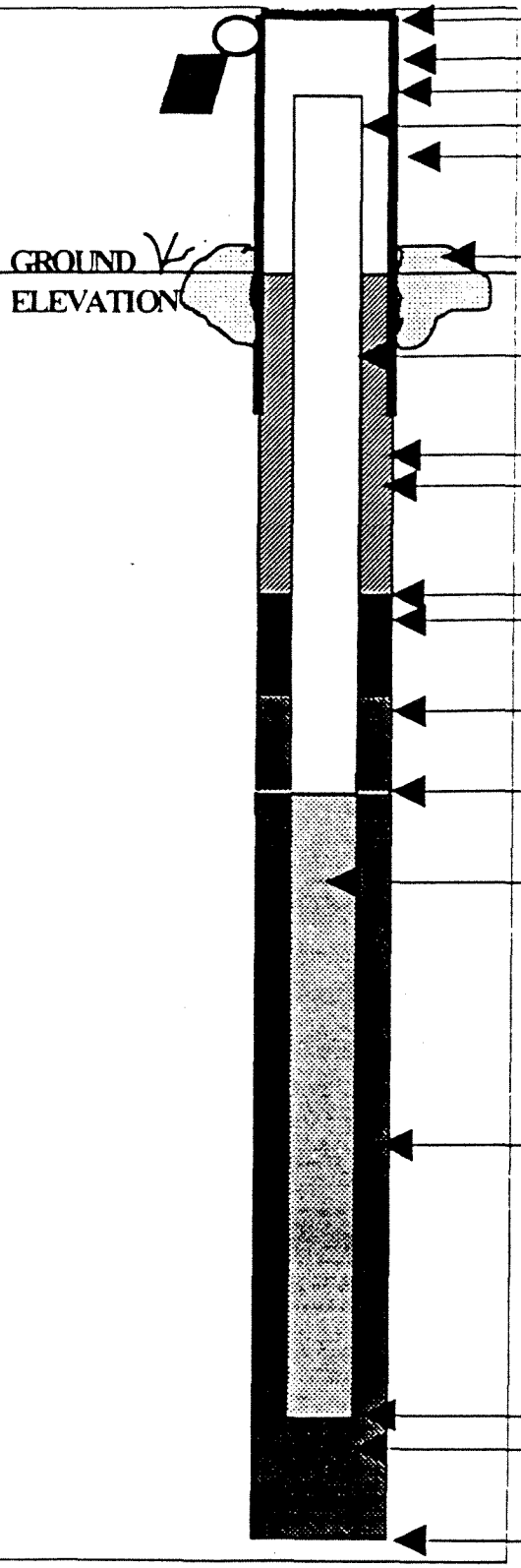
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand

ELEVATION / DEPTH OF HOLE: 14.90

BORING NO 01B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-042-01B	METHOD:	DPT
ELEVATION	N/A	DATE	6/1/98	DRILLING	HSA
FIELD GEOLOGIST	TN			DEVELOPMENT	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: Flush mounted - 8" bolt down man hole cover

TYPE OF SURFACE SEAL: 2x2x6' concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Bentonite/cement grout slurry

ELEVATION / DEPTH OF SEAL: 118.85

TYPE OS SEAL: 2' of 20/60 fine silica sand and 1' of 1/2" bentonite pellets

DEPTH TOP OF SAND PACK: 21.85

ELEVATION / DEPTH TOP OF SCREEN: 123.85

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.01 x 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Silica Sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 128.85

ELEVATION / DEPTH BOTTOM OF SAND PACK: 129.45

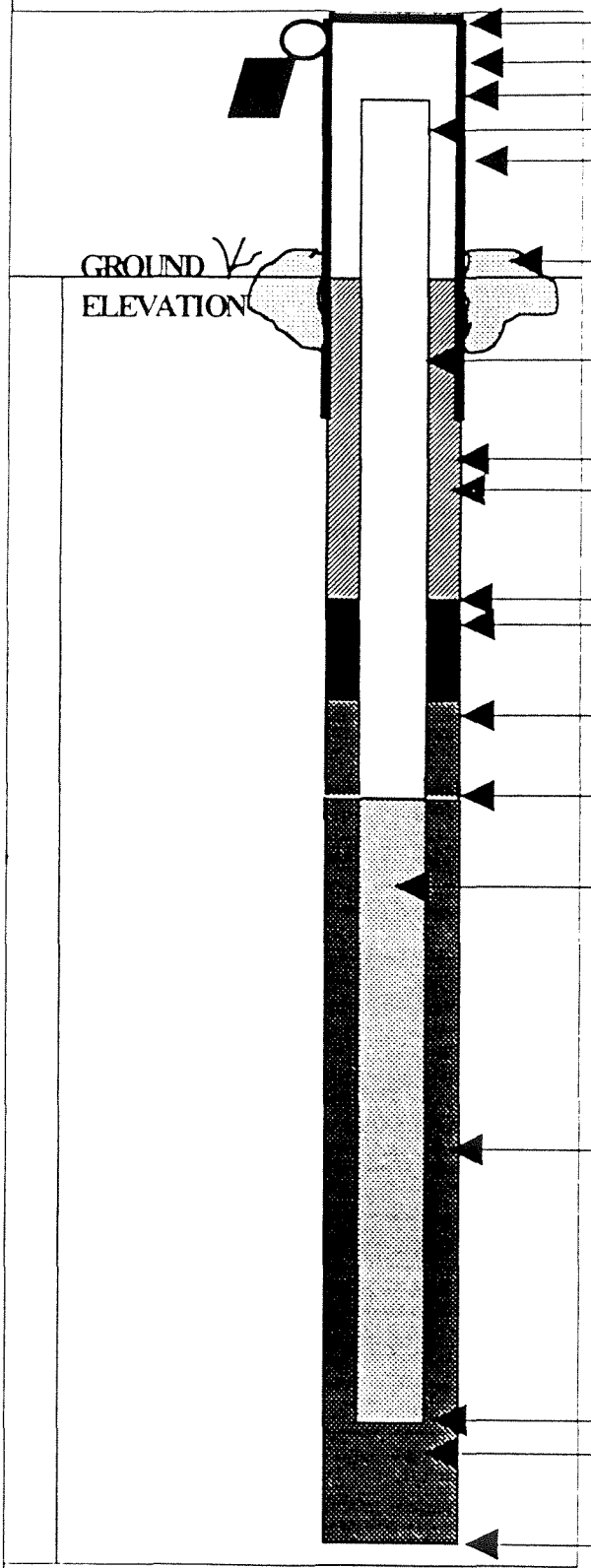
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica Sand.

ELEVATION / DEPTH OF HOLE: 129.45

BORING NO 2A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION:	Orlando	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-042-02A	METHOD:	DPT
ELEVATION	N/A	DATE	6/1/98	DRILLING	HSA
FIELD GEOLOGIST	Gary Burgess			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.5

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: concrete pad.

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Bentonite/cement grout

ELEVATION / DEPTH OF SEAL: 13.35

TYPE OS SEAL: 30/65 fine silica sand

DEPTH TOP OF SAND PACK: 5.35

ELEVATION / DEPTH TOP OF SCREEN: 17.35

TYPE OF SCREEN: Sch. 40 PVC.

SLOT SIZE X LENGTH: 0.010 x 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Silica Sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 17.35

ELEVATION / DEPTH BOTTOM OF SAND PACK: 17.85

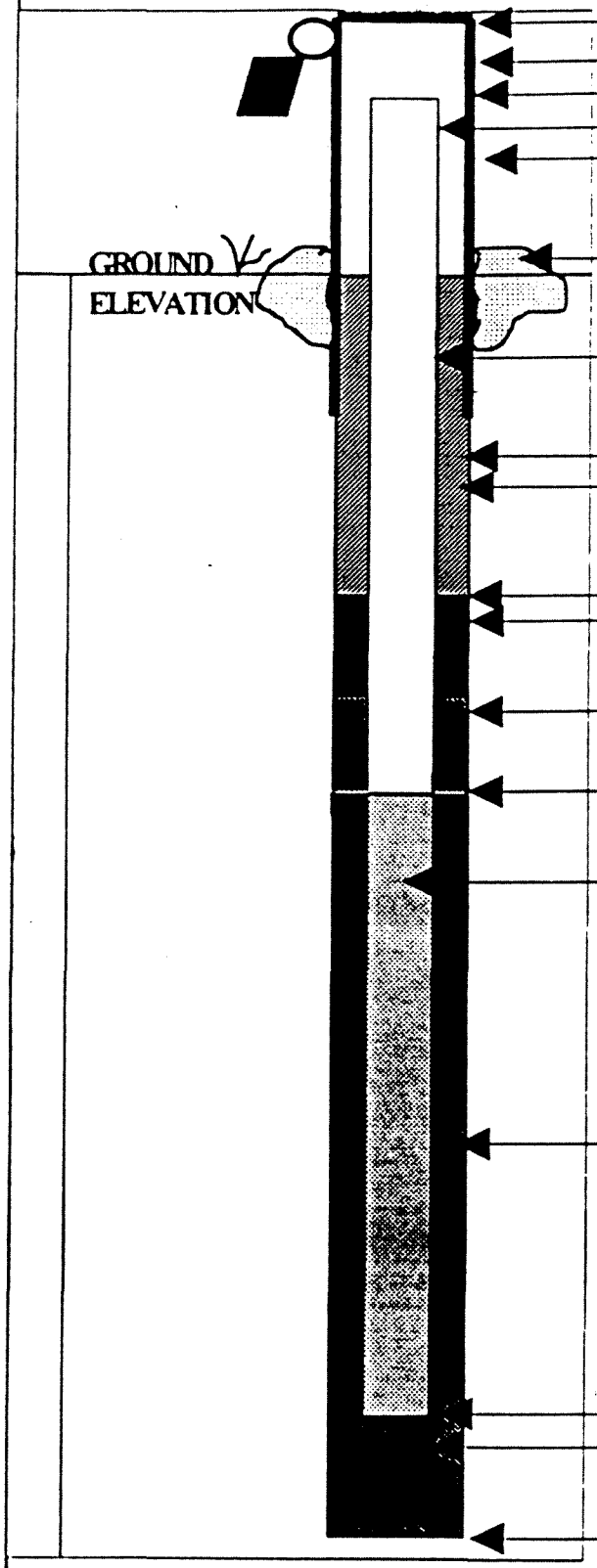
TYPE OF BACKFILL BELOW OBSERVATION WELL:

ELEVATION / DEPTH OF HOLE: 17.85

BORING NO 2D

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-OU2-02B	METHOD:	DPT
ELEVATION	N/A	DATE	6/11/98	DRILLING	HSA
FIELD GEOLOGIST	SB			DEVELOPMENT	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.5

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: concrete pad.

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite / cement grout slurry

ELEVATION / DEPTH OF SEAL: 122.10

TYPE OS SEAL: 2' - 30/65 fine silica sand 1' - bentonite pellets

DEPTH TOP OF SAND PACK: 25.10

ELEVATION / DEPTH TOP OF SCREEN: 127.10

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.01 X 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Silica Sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 132.10

ELEVATION / DEPTH BOTTOM OF SAND PACK: 132.60

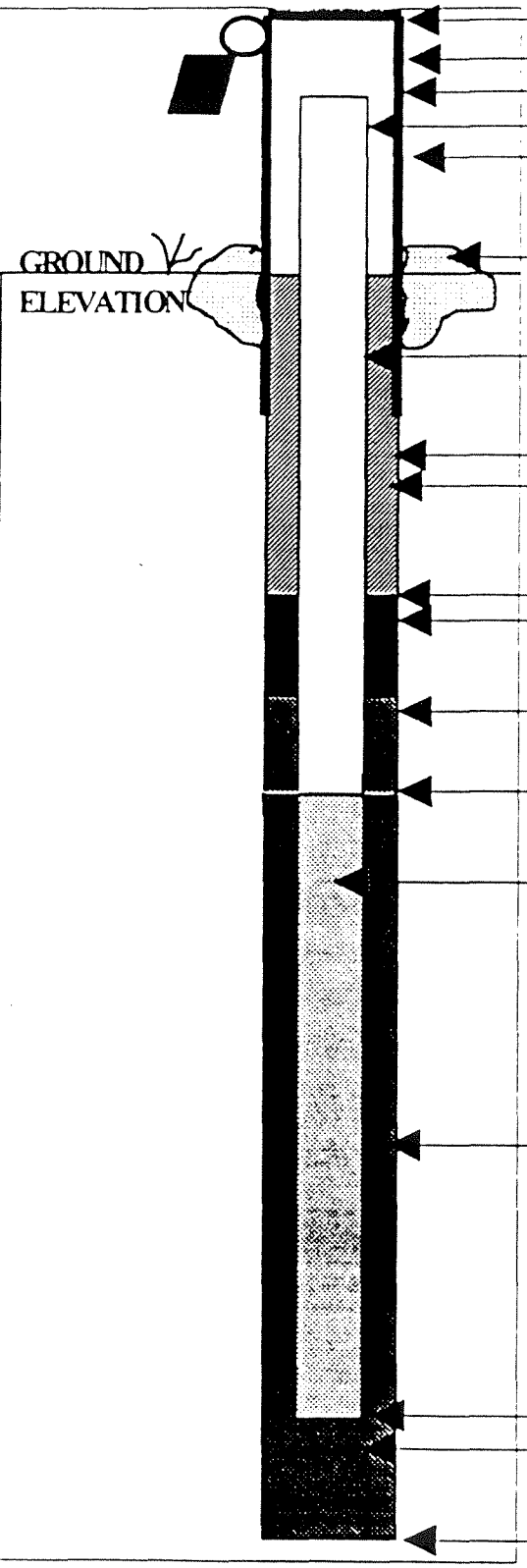
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand

ELEVATION / DEPTH OF HOLE: 132.60

BORING NO 03A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7257	BORING	040-042-03A	METHOD:	DPT
ELEVATION	N/A	DATE	6/2/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.00

STICK-UP RISER PIPE: 2.52

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch. 40 PVC

BOREHOLE DIAMETER: 12"

TYPE OF SEAL: bentonite/cement grout

ELEVATION / DEPTH OF SEAL: 13.48

TYPE OS SEAL: 30/65 fine silica sand

DEPTH TOP OF SAND PACK: 5.48.

ELEVATION / DEPTH TOP OF SCREEN: 17.48

TYPE OF SCREEN: Sch. 40 PVC.

SLOT SIZE X LENGTH: 0.01 X 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 117.48

ELEVATION / DEPTH BOTTOM OF SAND PACK: 117.48

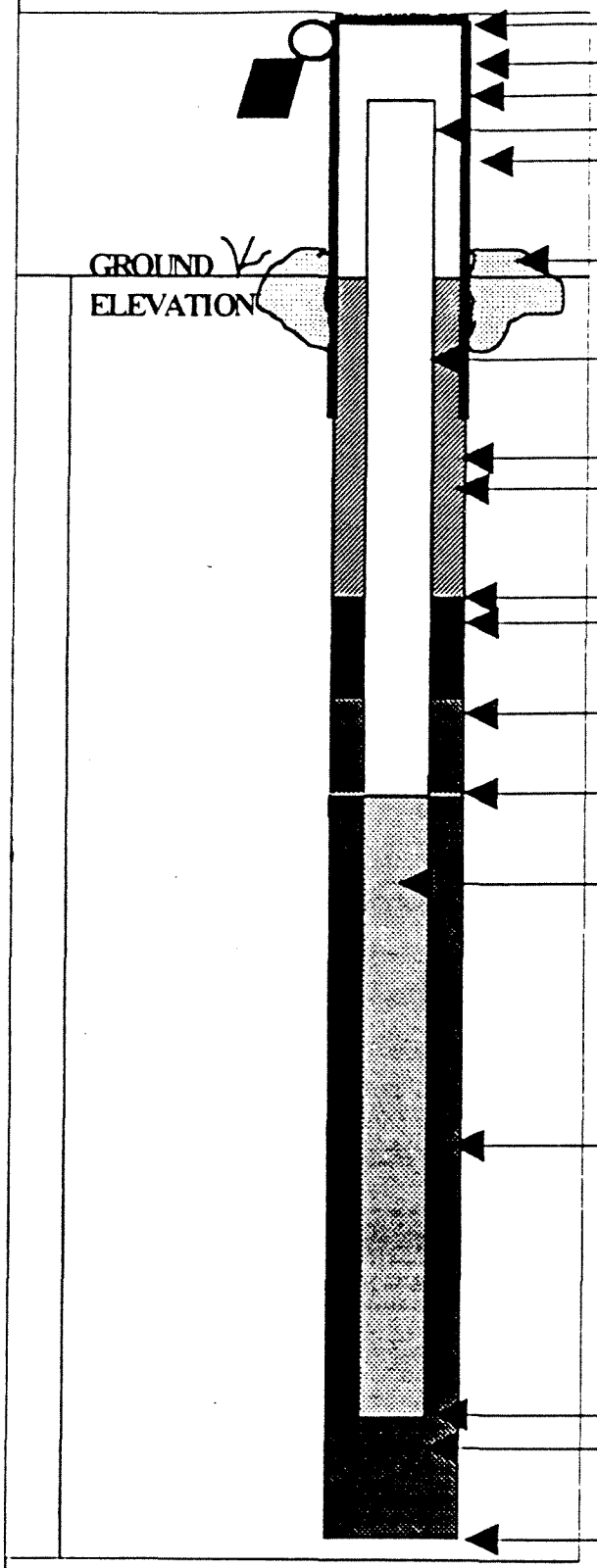
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica Sand.

ELEVATION / DEPTH OF HOLE: 117.98

BORING NO 03 B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION:	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLO-042-03B	METHOD:	DPT
ELEVATION	N/A	DATE	6/2/98	DRILLING	HSA
FIELD GEOLOGIST	CB			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.43

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Bentonite / cement grout slurry

ELEVATION / DEPTH OF SEAL: 22.40

TYPE OS SEAL: 30/65 fine silica sand and 1' bentonite pellets

DEPTH TOP OF SAND PACK: 25.40

ELEVATION / DEPTH TOP OF SCREEN: 127.40

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.01 x 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 132.40

ELEVATION / DEPTH BOTTOM OF SAND PACK: 132.90

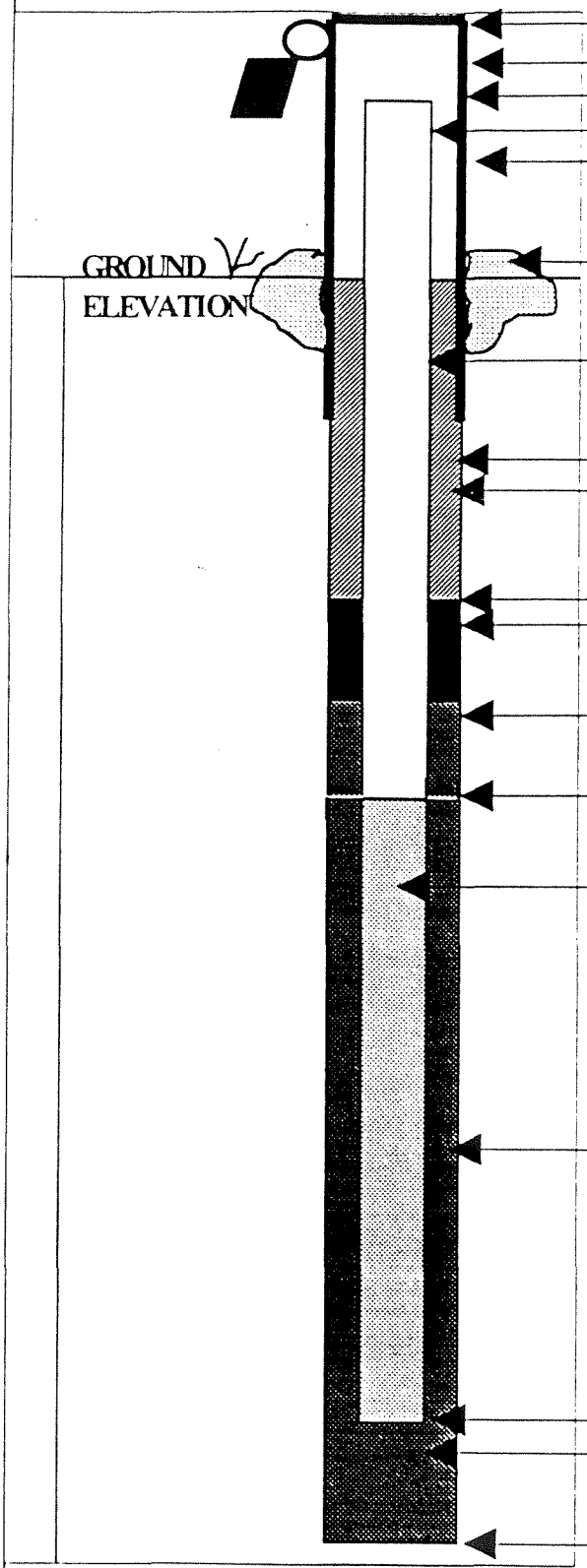
TYPE OF BACKFILL BELOW OBSERVATION WELL:

ELEVATION / DEPTH OF HOLE: 132.90

BORING NO 04A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION:	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-042-04A	METHOD:	DPT
ELEVATION	N/A	DATE	6/3/98	DRILLING	HSA
FIELD GEOLOGIST				DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: ≈ 3.0

STICK-UP RISER PIPE: ≈ 2.5

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: Steel

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.:

TYPE OF RISER PIPE: Sch. 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Bentonite grout slurry

ELEVATION / DEPTH OF SEAL: 13.51

TYPE OS SEAL: 30/65 fine silica sand

DEPTH TOP OF SAND PACK: 5.51

ELEVATION / DEPTH TOP OF SCREEN: 17.51

TYPE OF SCREEN: Sch. 40 PVC.

SLOT SIZE X LENGTH: 0.010 X 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 117.51

ELEVATION / DEPTH BOTTOM OF SAND PACK: 118.01

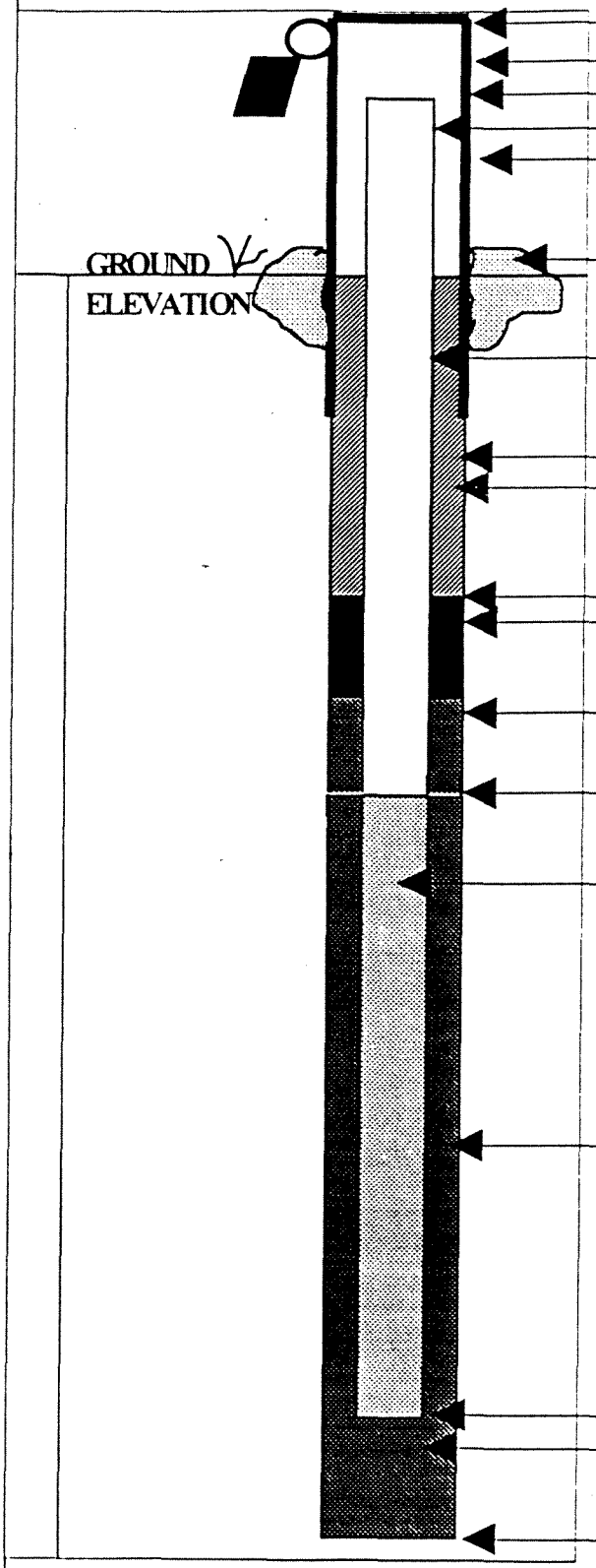
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica Sand

ELEVATION / DEPTH OF HOLE: 118.01

BORING NO 04B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION:	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	04-OU-04B	METHOD:	DPT
ELEVATION	N/A	DATE	6/3/98	DRILLING	HSA
FIELD GEOLOGIST	EB			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.5 Ft

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: Steel

TYPE OF SURFACE SEAL: Concrete pad.

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch. 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite/cement slurry grout

ELEVATION / DEPTH OF SEAL: 122.37

TYPE OS SEAL: 2' 30/65 fine silica sand 1' bentonite pellets

DEPTH TOP OF SAND PACK: 25.37

ELEVATION / DEPTH TOP OF SCREEN: 127.37

TYPE OF SCREEN: Sch. 40 PVC

SLOT SIZE X LENGTH: 0.010 X 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Silica Sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 132.37

ELEVATION / DEPTH BOTTOM OF SAND PACK: 132.87

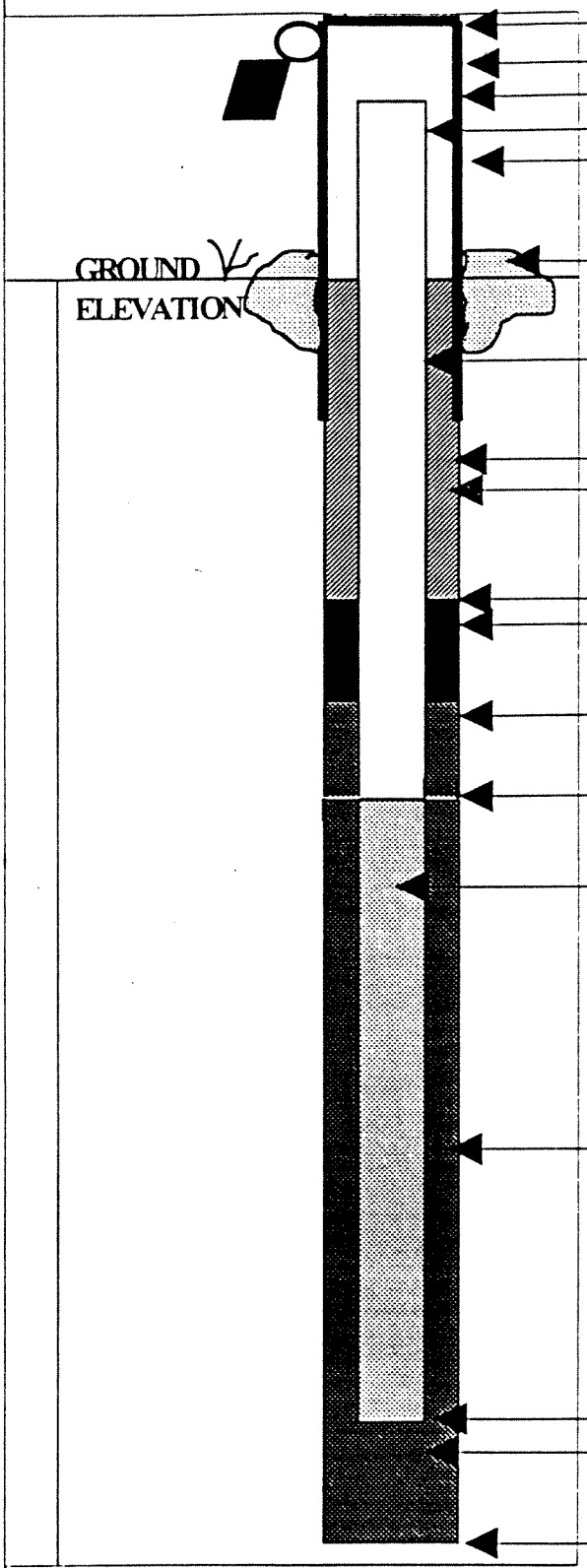
TYPE OF BACKFILL BELOW OBSERVATION WELL: silica sand

ELEVATION / DEPTH OF HOLE: 132.87

BORING NO: 05A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION:	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-OU2-05A	METHOD:	DPT
ELEVATION	N/A	DATE	6/3/98	DRILLING	HSA
FIELD GEOLOGIST	TN			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0 Ft

STICK-UP RISER PIPE: 2.5 Ft

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite/ grout slurry

ELEVATION / DEPTH OF SEAL: 13.78

TYPE OS SEAL: 30/65 fine silica sand

DEPTH TOP OF SAND PACK: 5.78

ELEVATION / DEPTH TOP OF SCREEN: 17.78

TYPE OF SCREEN: Sch 40 PVC.

SLOT SIZE X LENGTH: 0.010 X 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: silica sand 20/30 grade

ELEVATION / DEPTHBOTTOM OF SCREEN: 17.78

ELEVATION / DEPTH BOTTOM OF SAND PACK: 18.28

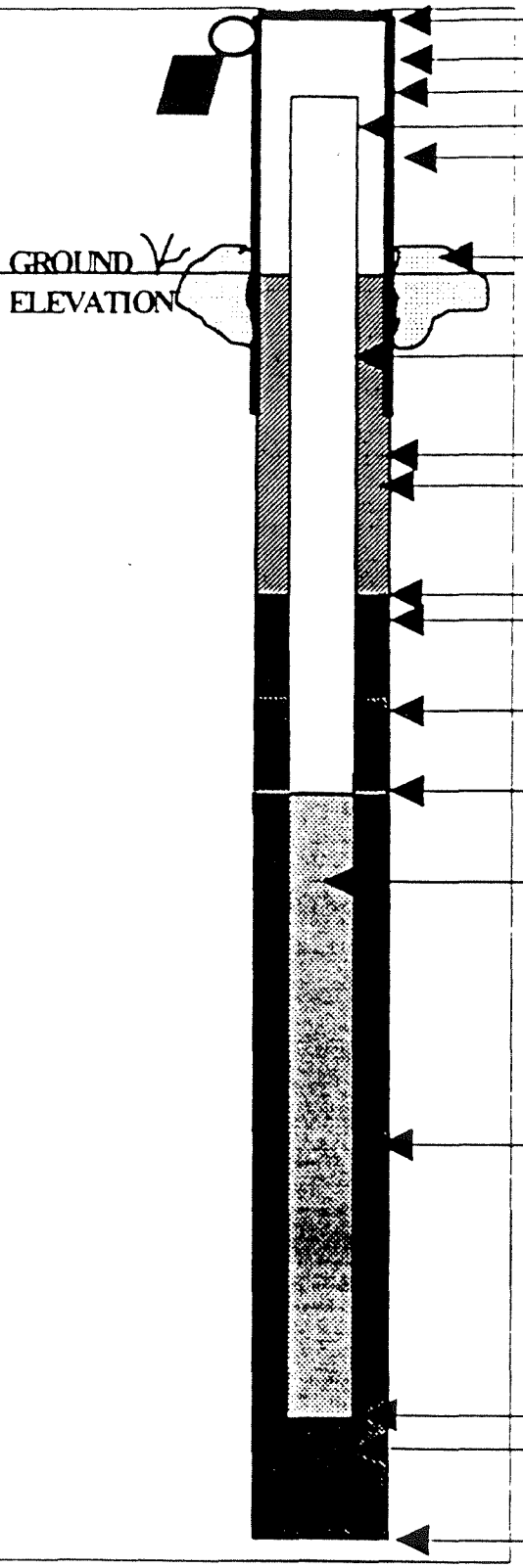
TYPE OF BACKFILL BELOW OBSERVATION WELL: silica sand

ELEVATION / DEPTH OF HOLE: 18.28

BORING NO OS 6

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	McCoy Annex	DRILLER	CPI
PROJECT NO.	7457	BORING	OLD-012-OS B	METHOD:	DPT
ELEVATION	N/A	DATE	6/4/98	DRILLING	HSA
FIELD GEOLOGIST	TN			DEVELOPMENT	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.42

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite/cement grout slurry

ELEVATION / DEPTH OF SEAL: 135.70

TYPE OS SEAL: 2' of 30/65 fine silica sand 1' of bentonite pellets

DEPTH TOP OF SAND PACK: 38.70

ELEVATION / DEPTH TOP OF SCREEN: 140.70

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.01 x 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 145.70

ELEVATION / DEPTH BOTTOM OF SAND PACK: 146.20

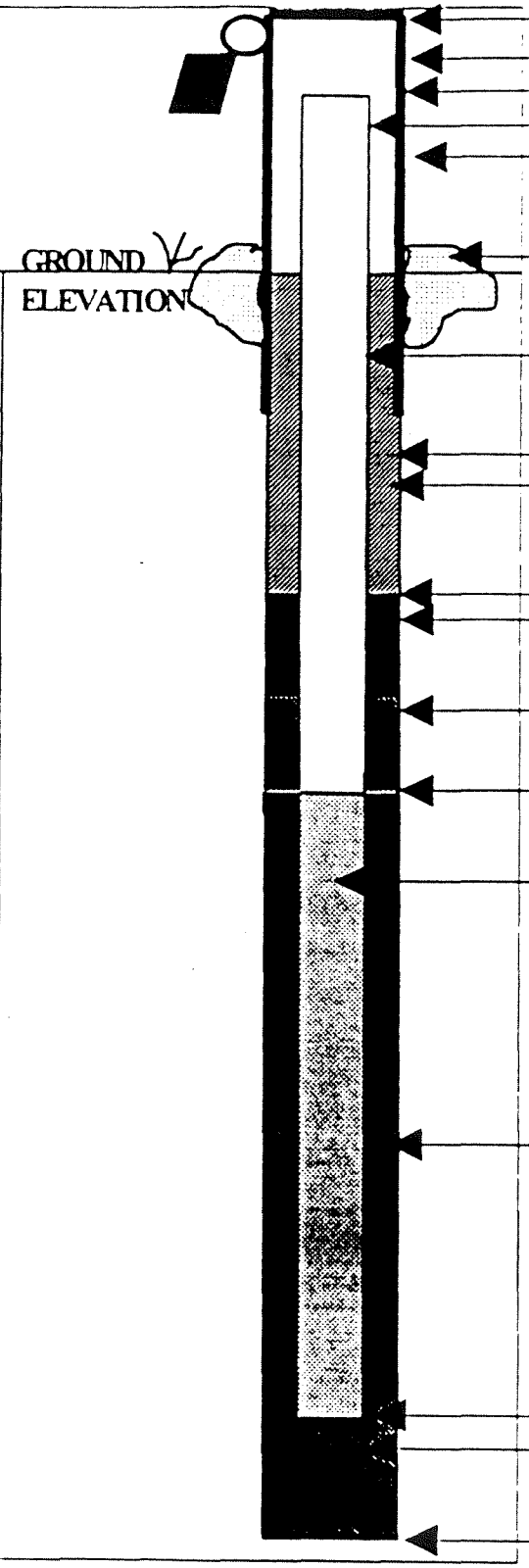
TYPE OF BACKFILL BELOW OBSERVATION WELL: silica sand

ELEVATION / DEPTH OF HOLE: 146.20

BORING NO 06A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-OU2-06A	METHOD:	DPT
ELEVATION	N/A	DATE	6/4/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3' c.

STICK-UP RISER PIPE: 2.50

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Bentonite/cement grout slurry

ELEVATION / DEPTH OF SEAL: 13.40

TYPE OS SEAL: 30/65 Silica Sand

DEPTH TOP OF SAND PACK: 5.40

ELEVATION / DEPTH TOP OF SCREEN: 17.40

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.010 x 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 17.40

ELEVATION / DEPTH BOTTOM OF SAND PACK: 17.90

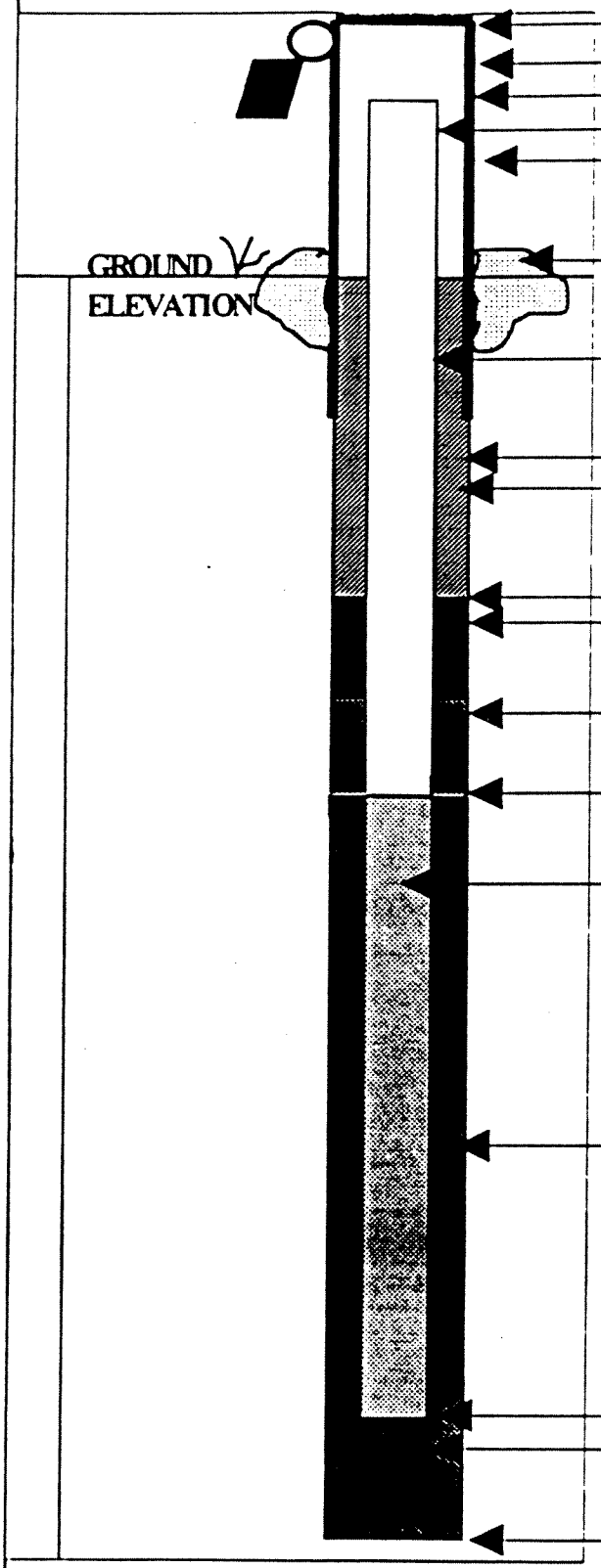
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand

ELEVATION / DEPTH OF HOLE: 17.90

BORING NO 6P

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-042-06B	METHOD:	DPT
ELEVATION	N/A	DATE	6/4/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.5

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: Steel

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch. 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite / grout slurry

ELEVATION / DEPTH OF SEAL: 131.28

TYPE OS SEAL: 2' - 30/65 fine silica sand, 1' - bentonite pellets.

DEPTH TOP OF SAND PACK: 34.28

ELEVATION / DEPTH TOP OF SCREEN: 136.28

TYPE OF SCREEN: Sch. 40 PVC

SLOT SIZE X LENGTH: 0.01 X 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 141.28

ELEVATION / DEPTH BOTTOM OF SAND PACK: 141.78

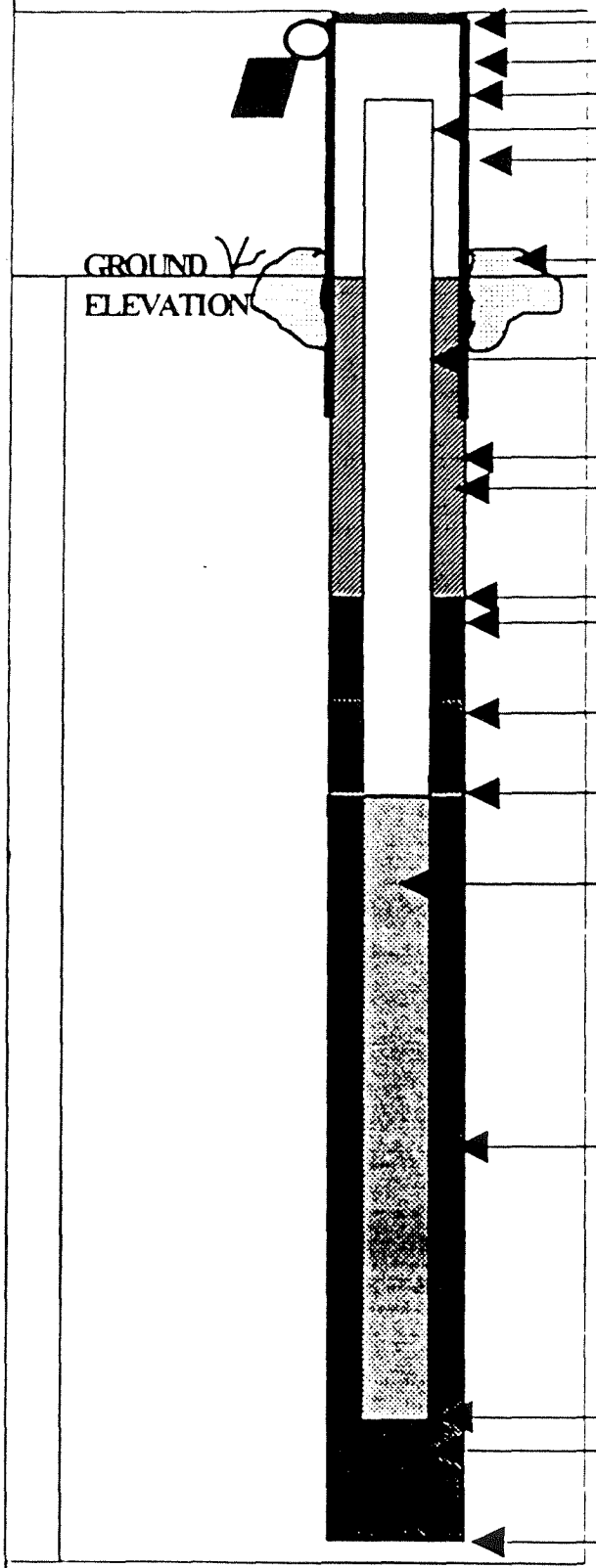
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand

ELEVATION / DEPTH OF HOLE: 141.78

BORING NO 07A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC - Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-042-07A	METHOD:	DPT
ELEVATION	N/A	DATE	6/4/98	DRILLING	4SA
FIELD GEOLOGIST	TN			DEVELOPMENT	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 2.5

STICK-UP RISER PIPE: 2.0

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: 2x2x6' concrete pad.

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch. 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Bent/cement grout grouted slurry

ELEVATION / DEPTH OF SEAL: 12.47

TYPE OS SEAL: 30/65 fine silica sand.

DEPTH TOP OF SAND PACK: 4.47

ELEVATION / DEPTH TOP OF SCREEN: 16.47

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.010 x 10

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 116.47

ELEVATION / DEPTH BOTTOM OF SAND PACK: 116.97

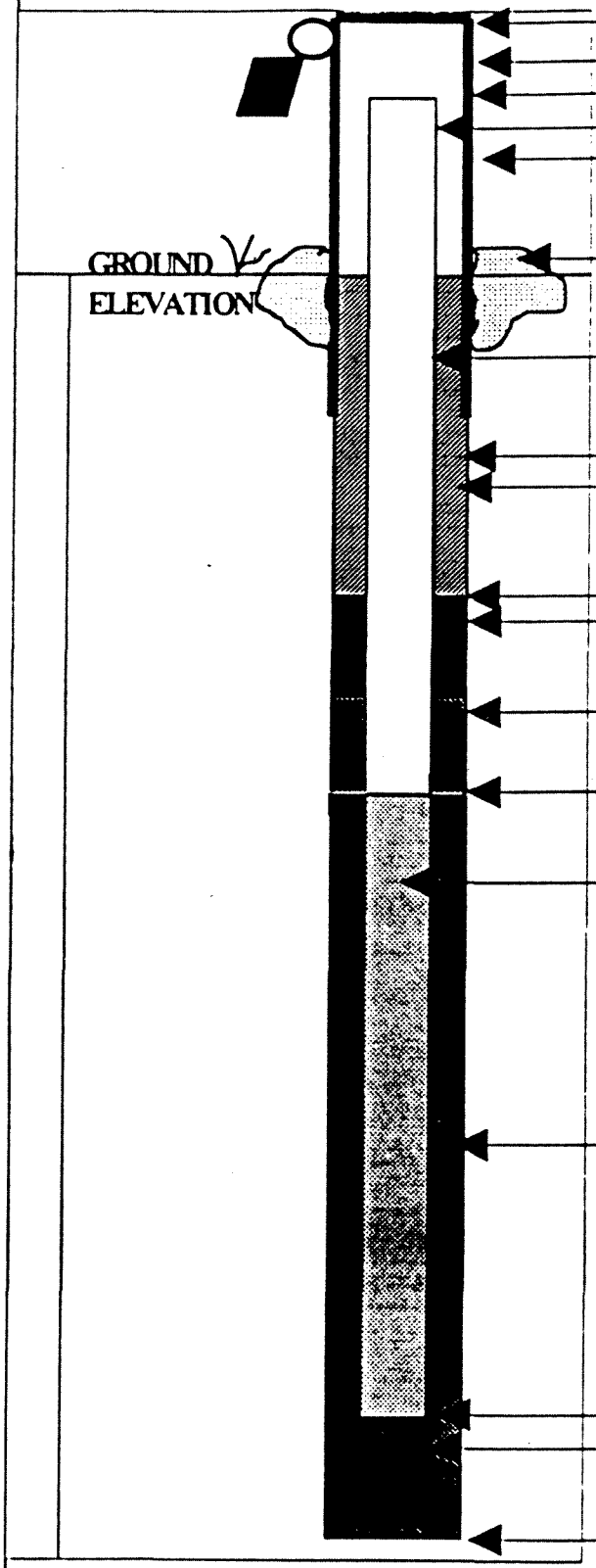
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand

ELEVATION / DEPTH OF HOLE: 116.97

BORING NO [illegible]

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-OU2-07B	METHOD:	DPT
ELEVATION	N/A	DATE	6/5/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 2.5

STICK-UP RISER PIPE: 2.6

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch. 40 PVC

BOREHOLE DIAMETER:

TYPE OF SEAL: bentonite/cement grout slurry

ELEVATION / DEPTH OF SEAL: 121.44

TYPE OS SEAL: 2' - 30/65 fine silica sand, 1' - bentonite 1/4" pellets

DEPTH TOP OF SAND PACK: 24.44

ELEVATION / DEPTH TOP OF SCREEN: 126.44

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.010 X 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 131.44

ELEVATION / DEPTH BOTTOM OF SAND PACK: 131.94

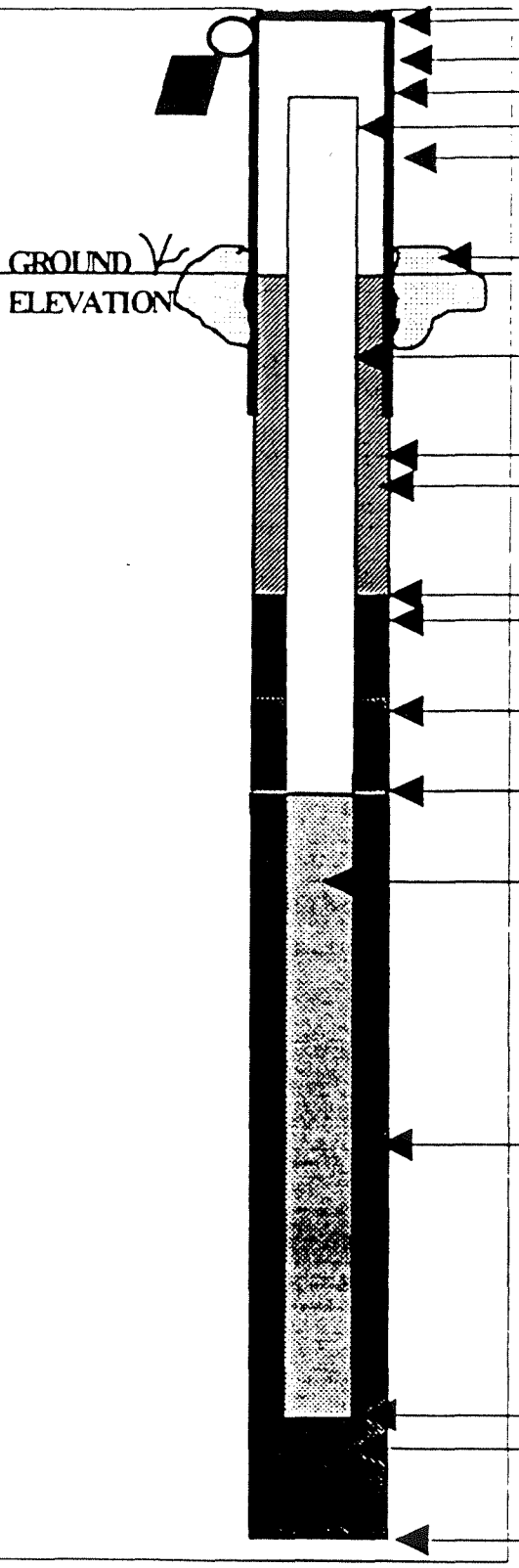
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand

ELEVATION / DEPTH OF HOLE: 131.94

BORING NO 08A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC - Orlando	LOCATION	McCoy	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-042-08A	METHOD:	DPT
ELEVATION	N/A	DATE	6/3/98	DRILLING	HSA
FIELD GEOLOGIST	TN			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.5

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: Concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER:

TYPE OF SEAL: bentonite / grout cement slurry

ELEVATION / DEPTH OF SEAL: 13.95

TYPE OS SEAL: 30/65 fine silica sand

DEPTH TOP OF SAND PACK: 5.95

ELEVATION / DEPTH TOP OF SCREEN: 17.95

TYPE OF SCREEN: Sch. 40 PVC

SLOT SIZE X LENGTH: 0.010 x 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 17.95

ELEVATION / DEPTH BOTTOM OF SAND PACK: 18.45

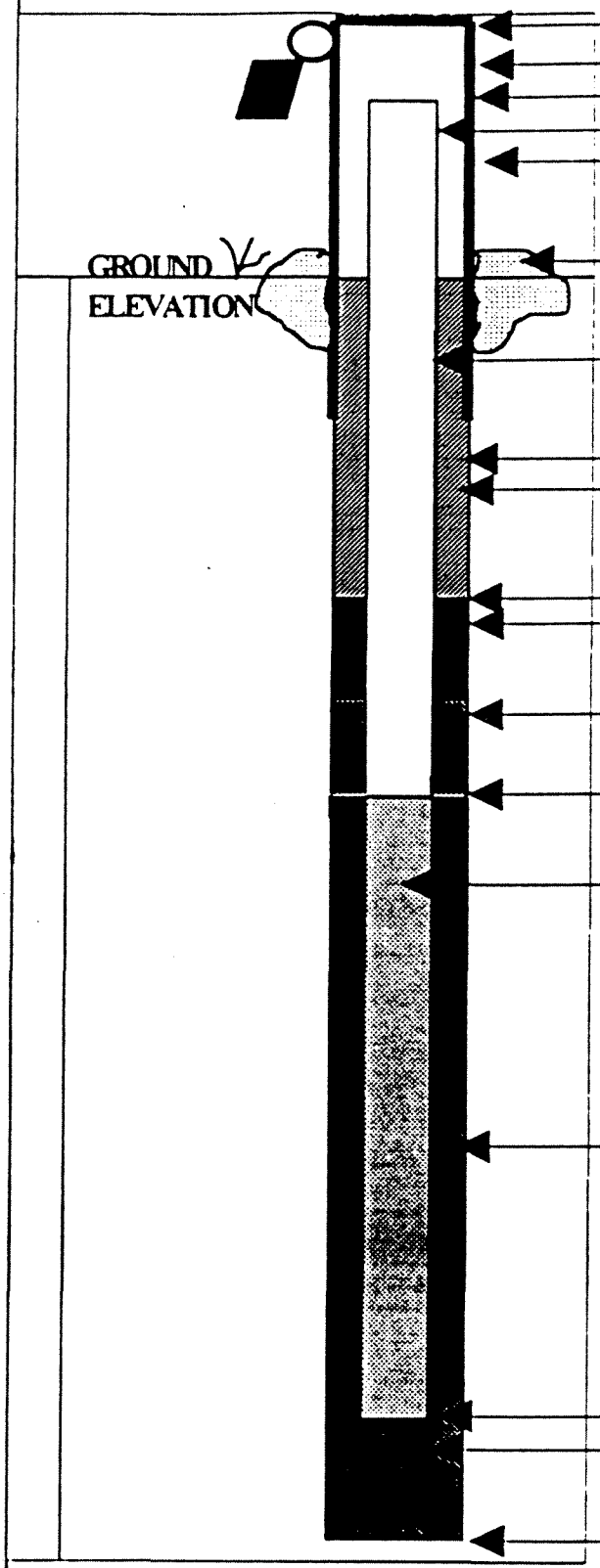
TYPE OF BACKFILL BELOW OBSERVATION WELL: silica sand.

ELEVATION / DEPTH OF HOLE: 18.45

BORING NO 08 B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC - Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-012-08B	METHOD:	DPT
ELEVATION	N/A	DATE	6/4/98	DRILLING	HSA
FIELD GEOLOGIST	TN			DEVELOPMENT	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.5

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: Steel

TYPE OF SURFACE SEAL: Concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch. 40 PVC

BOREHOLE DIAMETER:

TYPE OF SEAL: bentonite/cement grout slurry.

ELEVATION / DEPTH OF SEAL: 129.49

TYPE OS SEAL: 2' - 30/65 fine silica sand, 1' - bentonite pellets.

DEPTH TOP OF SAND PACK: 32.49

ELEVATION / DEPTH TOP OF SCREEN: 134.49

TYPE OF SCREEN: Sch 40 PVC.

SLOT SIZE X LENGTH: 0.010 X 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 139.49

ELEVATION / DEPTH BOTTOM OF SAND PACK: 140.01

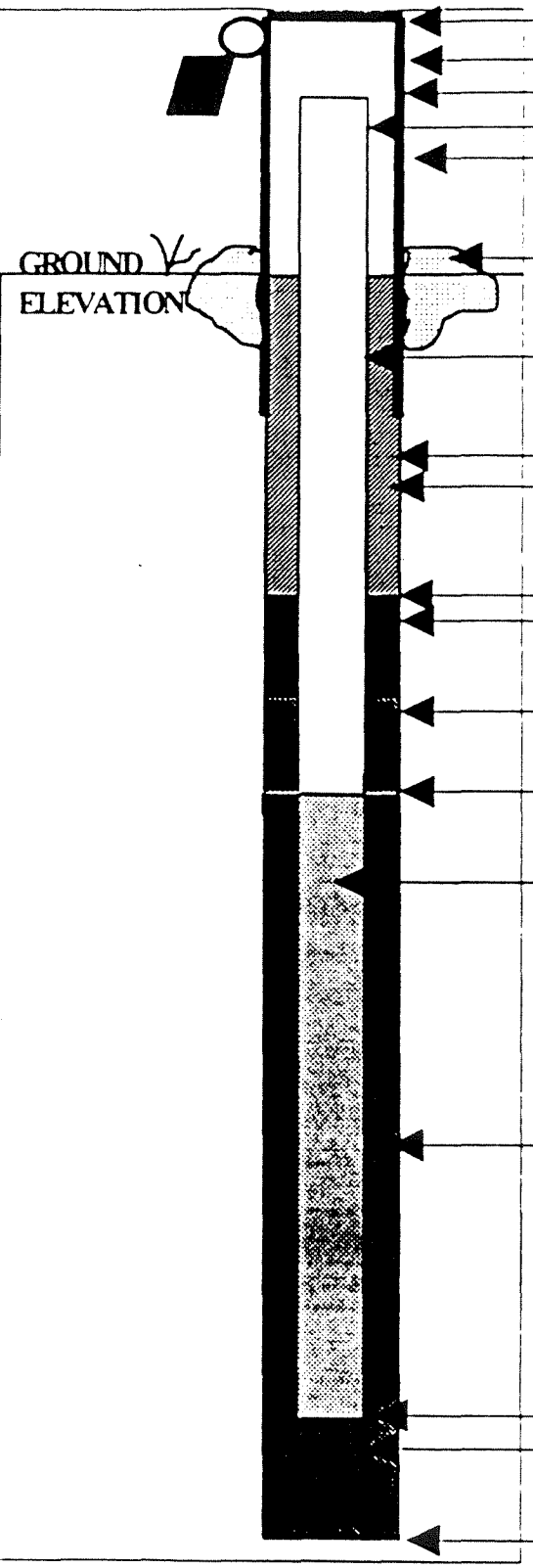
TYPE OF BACKFILL BELOW OBSERVATION WELL: silica sand

ELEVATION / DEPTH OF HOLE: 140.01

BORING NO 09A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC - Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-042-09A	METHOD:	DPT
ELEVATION	N/A	DATE	6/9/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.5

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite/cement grout slurry

ELEVATION / DEPTH OF SEAL: 12.95

TYPE OS SEAL: 30/65 fine silica sand

DEPTH TOP OF SAND PACK: 4.95

ELEVATION / DEPTH TOP OF SCREEN: 16.95

TYPE OF SCREEN: Sch. 40 PVC

SLOT SIZE X LENGTH: 0.010 x 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 116.95

ELEVATION / DEPTH BOTTOM OF SAND PACK: 117.95

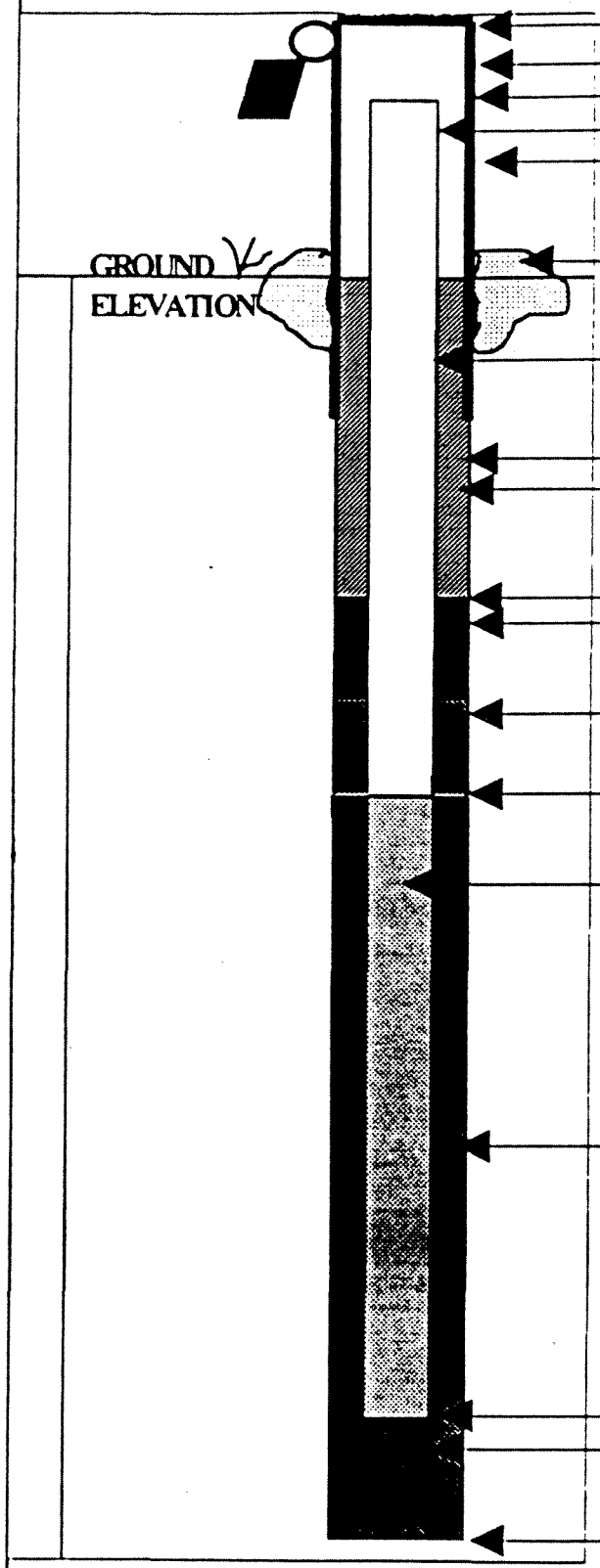
TYPE OF BACKFILL BELOW OBSERVATION WELL: silica sand

ELEVATION / DEPTH OF HOLE: 117.95

BORING NO 09U

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC - Orlando.	LOCATION	McCoy Annex	DRILLER	GB
PROJECT NO.	7457	BORING	OLD-OU2-09B	METHOD:	DPT
ELEVATION	N/A	DATE	6/9/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK -UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.5

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: concrete pad.

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite/cement grout slurry

ELEVATION / DEPTH OF SEAL: 130.40

TYPE OS SEAL: 2' 30/65 silica sand (fine), 1'- bentonite pellets

DEPTH TOP OF SAND PACK: 33.40

ELEVATION / DEPTH TOP OF SCREEN: 135.40

TYPE OF SCREEN: Sch 40 PVC.

SLOT SIZE X LENGTH: 0.010 x 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 140.40

ELEVATION / DEPTH BOTTOM OF SAND PACK: 140.90

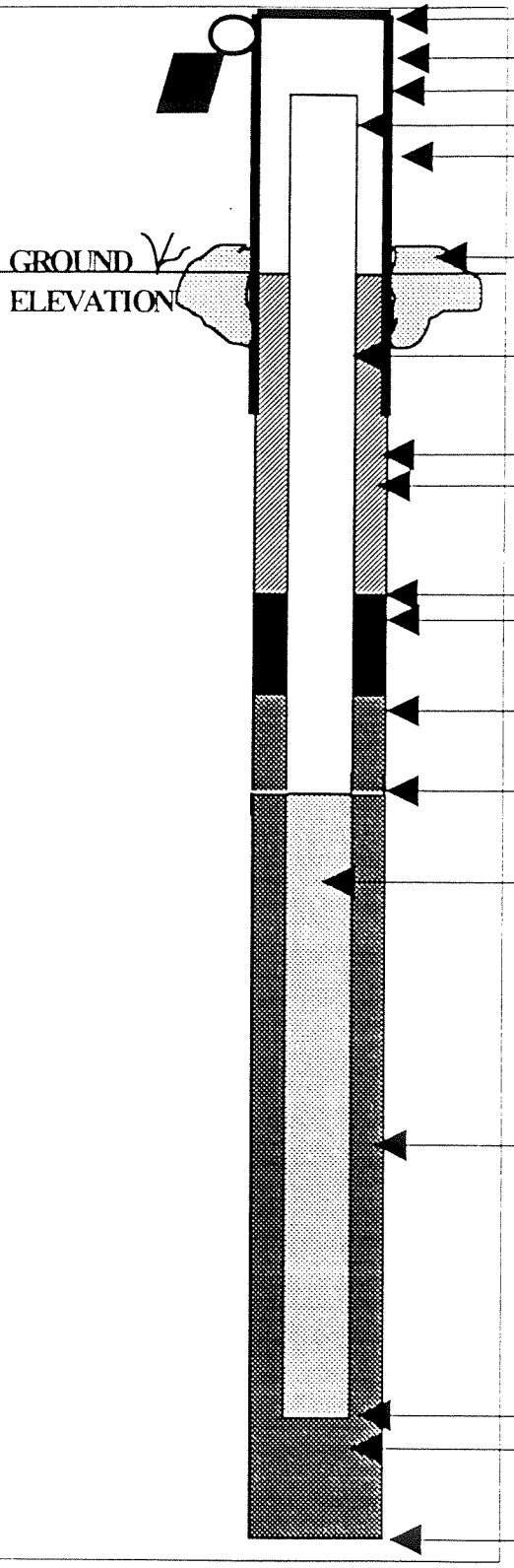
TYPE OF BACKFILL BELOW OBSERVATION WELL: silica sand

ELEVATION / DEPTH OF HOLE: 140.90

BORING NO. 10A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION:	well # 10-A	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-OU2-10A	METHOD:	DPT
ELEVATION	N/A	DATE	6-8-98	DRILLING	HSA
FIELD GEOLOGIST	Tom Nicotra			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: Flush mount 8" bolt down man hole

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: PVC Sch 40

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: NEAT CEMENT GROUT + bentonite

ELEVATION / DEPTH OF SEAL: 11.0'

TYPE OS SEAL: 2'- 30/65 Fine Sand seal

DEPTH TOP OF SAND PACK: 3.0'

ELEVATION / DEPTH TOP OF SCREEN: 115.0'

TYPE OF SCREEN: PVC

SLOT SIZE X LENGTH: 0.010 X 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 115.0'

ELEVATION / DEPTH BOTTOM OF SAND PACK: 115.5'

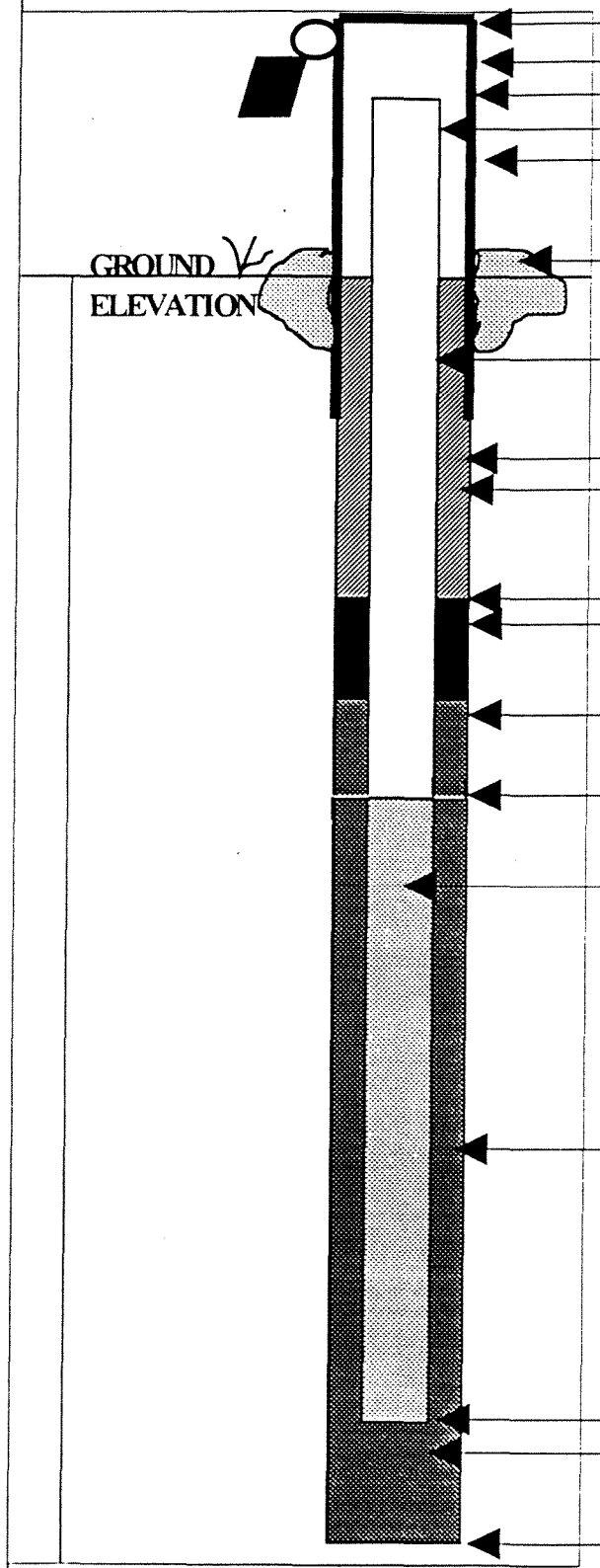
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand

ELEVATION / DEPTH OF HOLE: 115.5'

BORING NO.: 10B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION:	well #10-B	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-042-10B	METHOD:	DPT
ELEVATION	N/A	DATE	6-8-98	DRILLING	HSA
FIELD GEOLOGIST	Tom Nicotera			DEVELOPMENT: NA	



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: Flush mount 8" manhole cover

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: PVC Sch 40.

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: 2' Bentonite Spff; Then neat Cement Grout to surface.

ELEVATION / DEPTH OF SEAL: 126'

TYPE OS SEAL: 2'-30/65 Fine sand Spff 1' bentonite pellets

DEPTH TOP OF SAND PACK: 29.0

ELEVATION / DEPTH TOP OF SCREEN: 131.0'

TYPE OF SCREEN: PVC Sch 40.

SLOT SIZE X LENGTH: 0.01 X 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 136.0'

ELEVATION / DEPTH BOTTOM OF SAND PACK: 136.5

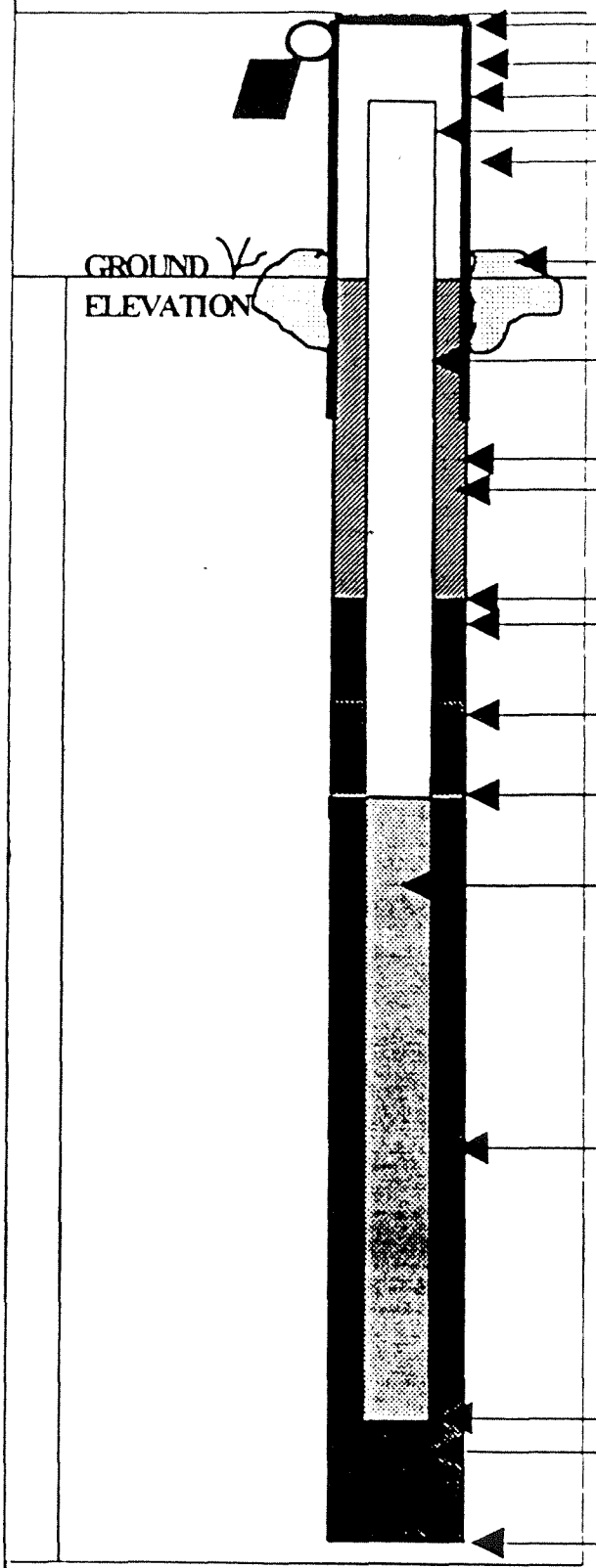
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand.

ELEVATION / DEPTH OF HOLE: 136.5'

BORING NO 11A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-OU2-11A	METHOD:	DPT
ELEVATION	N/A	DATE	6/3/98	DRILLING	HSA
FIELD GEOLOGIST	RB			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.5

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: Steel

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch. 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite/cement grout slurry

ELEVATION / DEPTH OF SEAL: 13.40

TYPE OS SEAL: 30/65 fine silica sand

DEPTH TOP OF SAND PACK: 5.40

ELEVATION / DEPTH TOP OF SCREEN: 17.40

TYPE OF SCREEN: Sch. 40 PVC

SLOT SIZE X LENGTH: 0.010 x 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 117.40

ELEVATION / DEPTH BOTTOM OF SAND PACK: 117.90

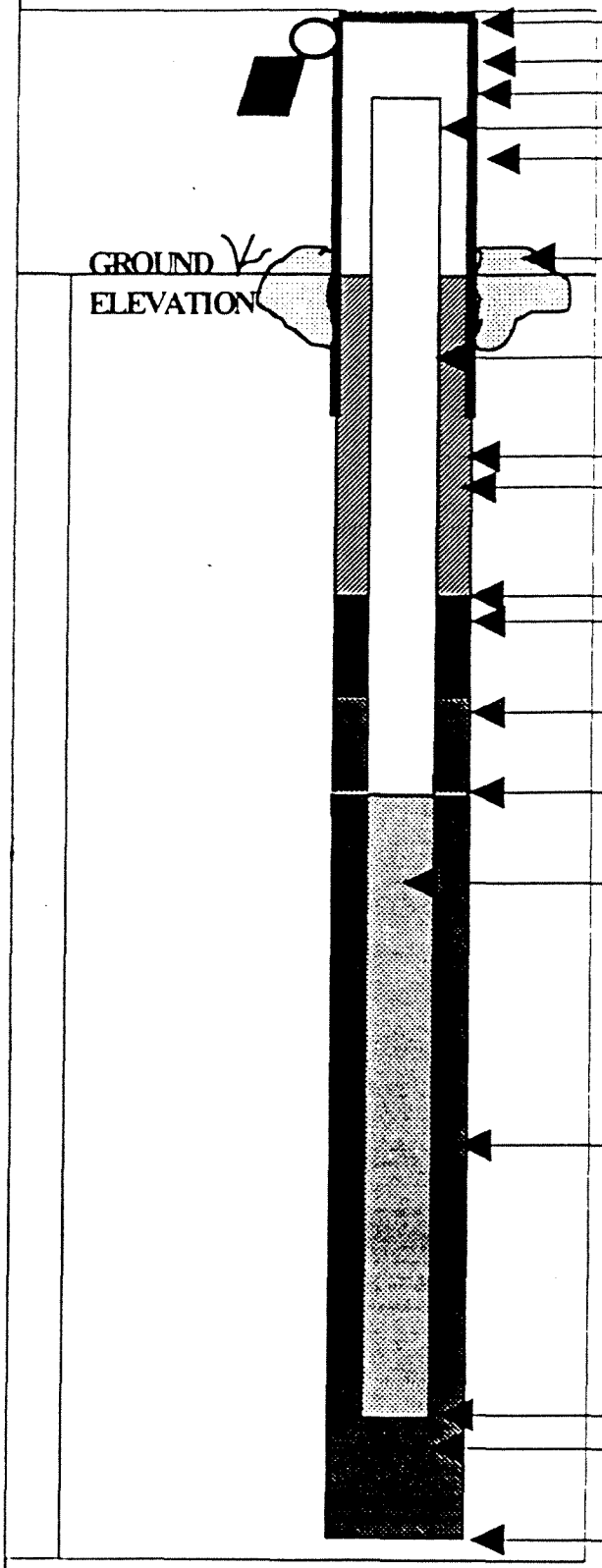
TYPE OF BACKFILL BELOW OBSERVATION WELL: silica sand

ELEVATION / DEPTH OF HOLE: 117.90

BORING NO 11B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NIC - Orlando	LOCATION:	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-OU2-11B	METHOD:	DPT
ELEVATION	N/A	DATE	6/2/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.5

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: concrete pad.

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch. 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite/cement grout slurry

ELEVATION / DEPTH OF SEAL: 124.60

TYPE OS SEAL: 2' - 30/65 fine silica sand, 1' - bentonite pellets.

DEPTH TOP OF SAND PACK: 27.60

ELEVATION / DEPTH TOP OF SCREEN: 129.60

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.01 x 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Silica Sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 134.60

ELEVATION / DEPTH BOTTOM OF SAND PACK: 135.10

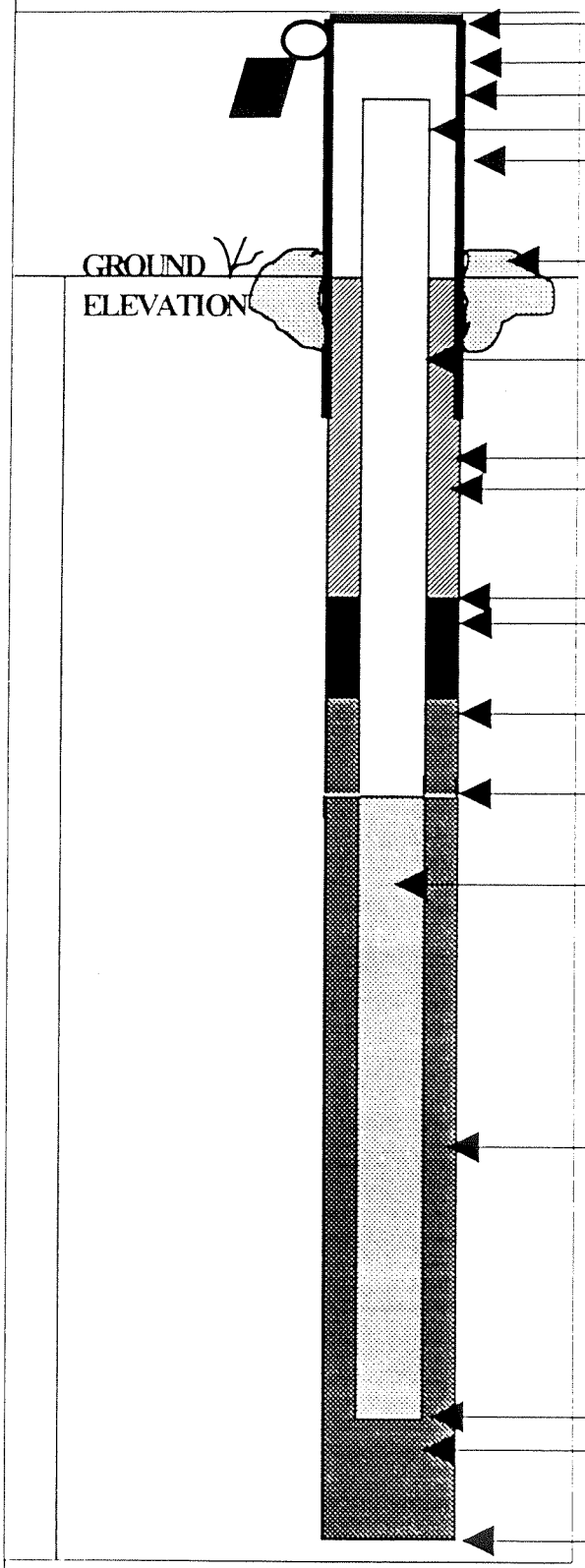
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand

ELEVATION / DEPTH OF HOLE: 135.10

BORING NO: 12A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC- ORLANDO	LOCATION:	OLD-OU2-12A	DRILLER	GPI
PROJECT NO.	7457	BORING	McCoy Annex	METHOD:	DPT
ELEVATION	–	DATE	6/17/98	DRILLING	HSA
FIELD GEOLOGIST	Tom Nicotera			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING:

TYPE OF SURFACE CASING: Flush mounted 8" bolt down man hole cover

TYPE OF SURFACE SEAL: 2X2 X 6" concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch. 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Bentonite / Cement grout.

ELEVATION / DEPTH OF SEAL: 11'.0

TYPE OS SEAL: 30/65 Silica Sand.

DEPTH TOP OF SAND PACK: 3'.0

ELEVATION / DEPTH TOP OF SCREEN: 15.'0

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.01 X 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Silica Sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 15.0

ELEVATION / DEPTH BOTTOM OF SAND PACK: 15.50

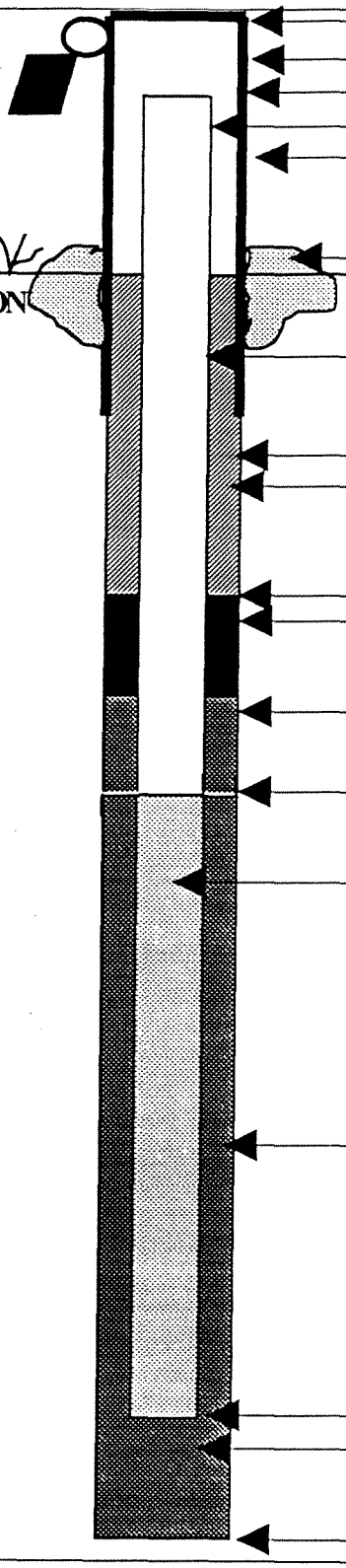
TYPE OF BACKFILL BELOW OBSERVATION WELL: 20/30 Sand

ELEVATION / DEPTH OF HOLE: 15.50

BORING NO.: 12B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC-ORLANDO	LOCATION	OLD-OU2-12B	DRILLER	GPI
PROJECT NO.	7457	BORING	McCoy Annex	METHOD:	DPT
ELEVATION	—	DATE	6/17	DRILLING	HSA
FIELD GEOLOGIST	Tom Nicolera			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING:

TYPE OF SURFACE CASING: Flush mounted 8" bolt down manhole cover

TYPE OF SURFACE SEAL: 2'x2'x6" concrete pad.

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch. 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Bentonite/cement grout

ELEVATION / DEPTH OF SEAL: 124.83'

TYPE OS SEAL: 30/65 Silica sand to 29', Bentonite pellets 27'

DEPTH TOP OF SAND PACK: 27.83

ELEVATION / DEPTH TOP OF SCREEN: 129.83

TYPE OF SCREEN: Sch. 40 PVC.

SLOT SIZE X LENGTH: 0.01 x 5

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Silica Sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 134.83

ELEVATION / DEPTH BOTTOM OF SAND PACK: 135.33

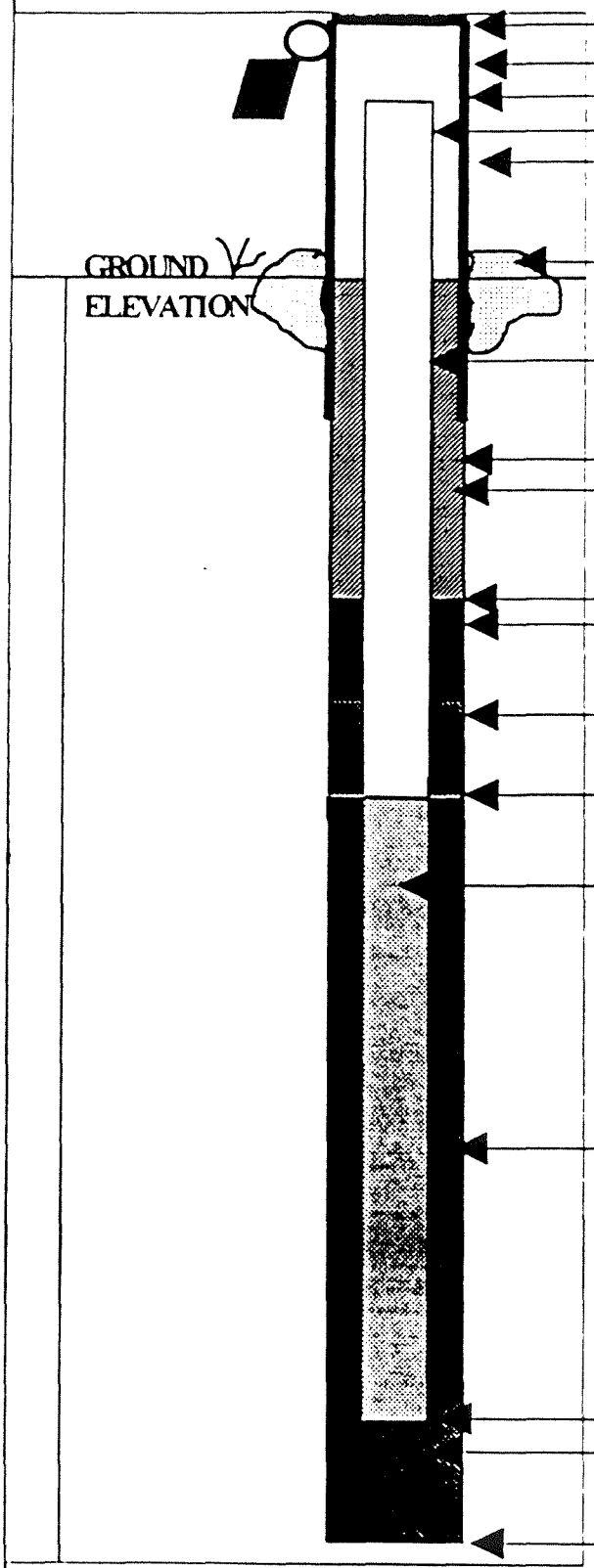
TYPE OF BACKFILL BELOW OBSERVATION WELL: 20/30 Silica Sand.

ELEVATION / DEPTH OF HOLE: 135.33

BORING NO 13A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-042-13A	METHOD:	DPT
ELEVATION	N/A	DATE	6/6/98	DRILLING	HSA
FIELD GEOLOGIST	BB			DEVELOPMENT	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK -UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING:

TYPE OF SURFACE CASING: flush mounted 8" bolt down man hole cover

TYPE OF SURFACE SEAL: Concrete pad.

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite/cement grout slurry

ELEVATION / DEPTH OF SEAL: 11.85

TYPE OS SEAL: 30/65 fine silica sand

DEPTH TOP OF SAND PACK: 2.85

ELEVATION / DEPTH TOP OF SCREEN: 13.85

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.01 X 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 13.35

ELEVATION / DEPTH BOTTOM OF SAND PACK: 14.35

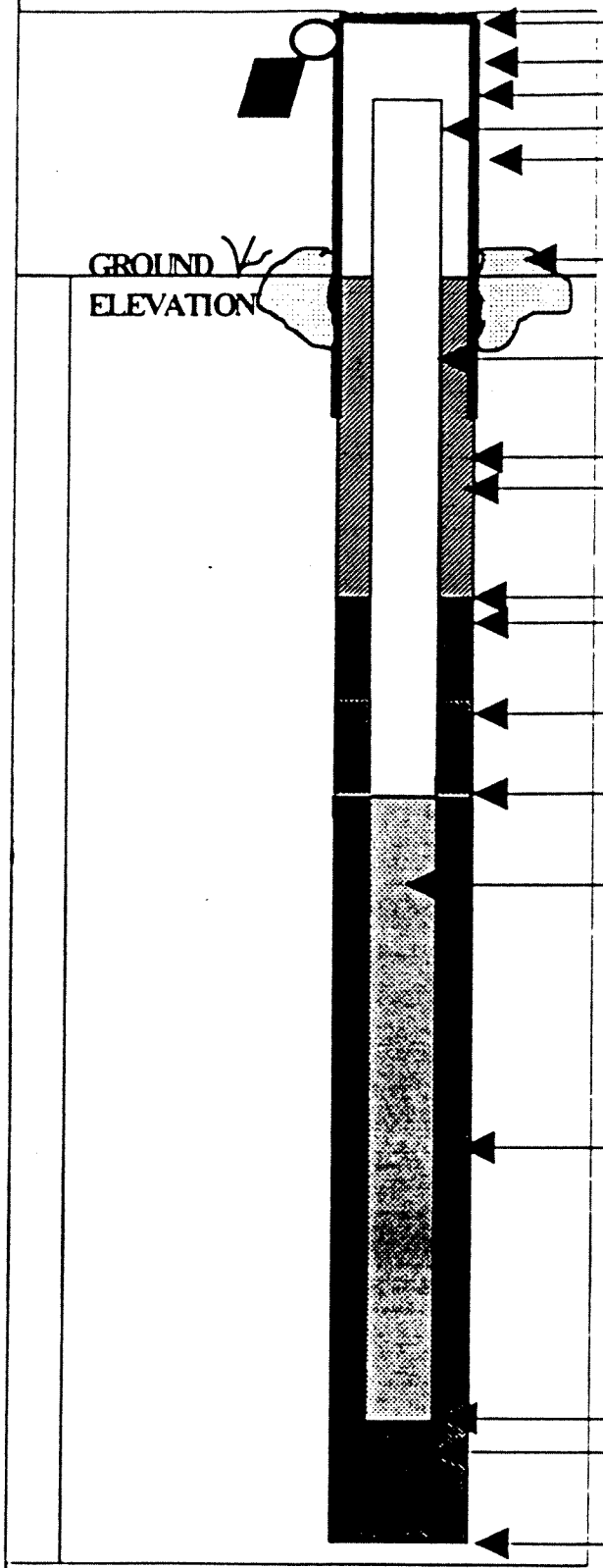
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand.

ELEVATION / DEPTH OF HOLE: 14.35

BORING NO 13D

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-042-13B	METHOD:	DPT
ELEVATION	N/A	DATE	6/7/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: flush mounted 8" man hole cover

TYPE OF SURFACE SEAL: concrete pad.

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch. 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite/grout cement slurry

ELEVATION / DEPTH OF SEAL: 120.55

TYPE OS SEAL: 2' - 30/65 fine silica sand, 1' - bentonite pellets

DEPTH TOP OF SAND PACK: 23.55

ELEVATION / DEPTH TOP OF SCREEN: 125.55

TYPE OF SCREEN: Sch. 40 PVC

SLOT SIZE X LENGTH: 0.10 X 5'

I.D. OF SCREEN:

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 130.55

ELEVATION / DEPTH BOTTOM OF SAND PACK: 131.05

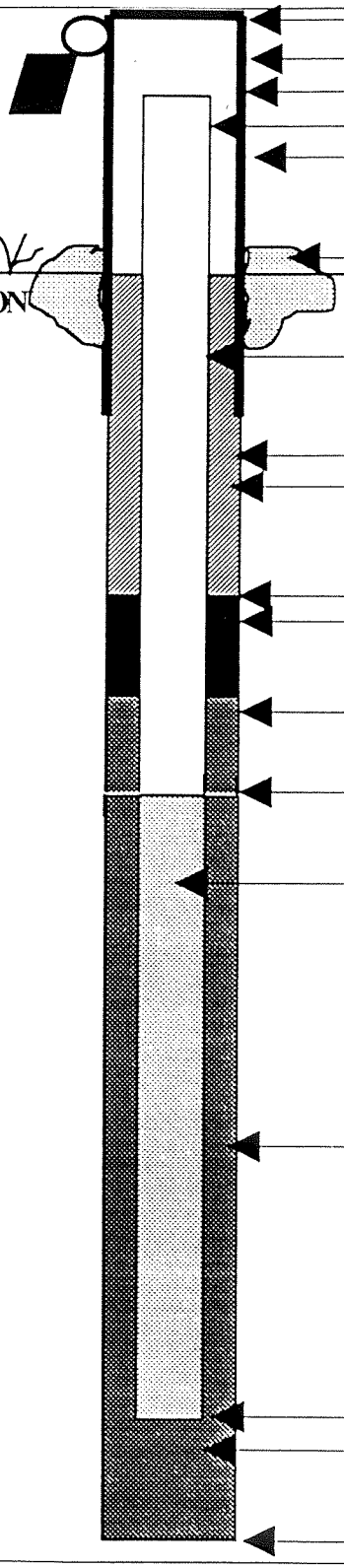
TYPE OF BACKFILL BELOW OBSERVATION WELL: silica sand.

ELEVATION / DEPTH OF HOLE: 131.05

BORING NO. 14A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC - ORLANDO	LOCATION:	OLD-OU2-14A	DRILLER	GPI
PROJECT NO.	7457	BORING	"	METHOD:	DPT
ELEVATION	~~Boreholes~~	DATE	6/17/98	DRILLING	HSA.
FIELD GEOLOGIST	Tom Nicolson			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING:

TYPE OF SURFACE CASING: Flush mounted 8" bolt down man hole cover

TYPE OF SURFACE SEAL: 2 X 2 X 6" concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch. 40 PVC.

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Bentonite / cement grout

ELEVATION / DEPTH OF SEAL: 1'.09

TYPE OS SEAL: 30/65 silica Sand

DEPTH TOP OF SAND PACK: 3'.09

ELEVATION / DEPTH TOP OF SCREEN: 15.09

TYPE OF SCREEN: Schedule 40 PVC.

SLOT SIZE X LENGTH: 0.01 x 10

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica Sand.

ELEVATION / DEPTHBOTTOM OF SCREEN: 15.09

ELEVATION / DEPTH BOTTOM OF SAND PACK: 15.59

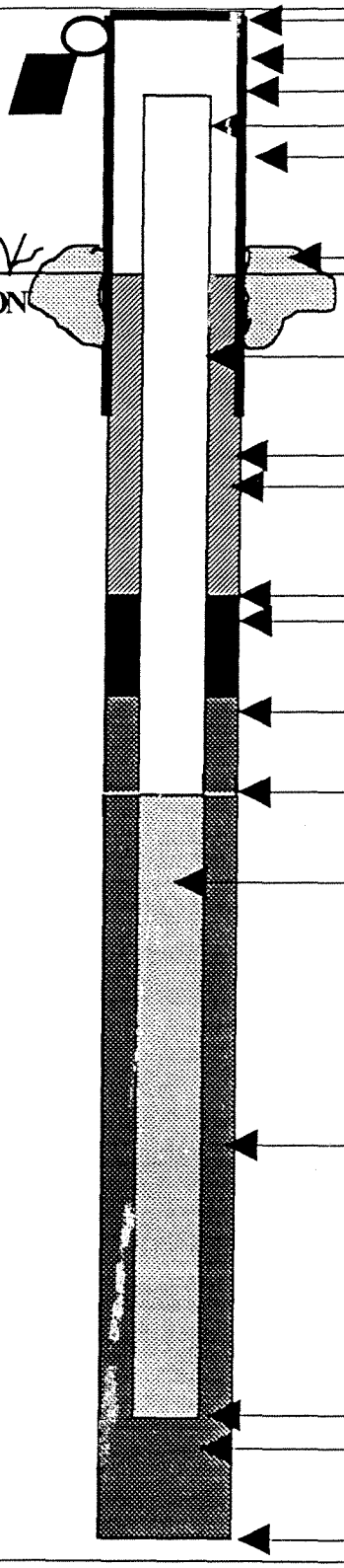
TYPE OF BACKFILL BELOW OBSERVATION WELL: 20/30 Silica Sand.

ELEVATION / DEPTH OF HOLE: 15.59

BORING NO.: 14B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC - ORLANDO	LOCATION:	McCOY ANNEX	DRILLER	GPI
PROJECT NO.	7457	BORING	CLD-OW2-14B	METHOD:	DPT
ELEVATION	N/A	DATE	6/16/98	DRILLING	HSA
FIELD GEOLOGIST	TOM NICOTERA			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK -UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A.

I.D. OF SURFACE CASING: N/A.

TYPE OF SURFACE CASING: Flush mounted - 8" bolt down man hole cover

TYPE OF SURFACE SEAL: 2' x 2' x 1" concrete pad.

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Bent/cement grout premixed slurry

ELEVATION / DEPTH OF SEAL: 123.80

TYPE OS SEAL: 2' of 30/65 Fine silica Sand and 1' of 10% Bentonite pellet.

DEPTH TOP OF SAND PACK: 26.80

ELEVATION / DEPTH TOP OF SCREEN: 128.80

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 010" x 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Silica Sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 133.80

ELEVATION / DEPTH BOTTOM OF SAND PACK: 134.30

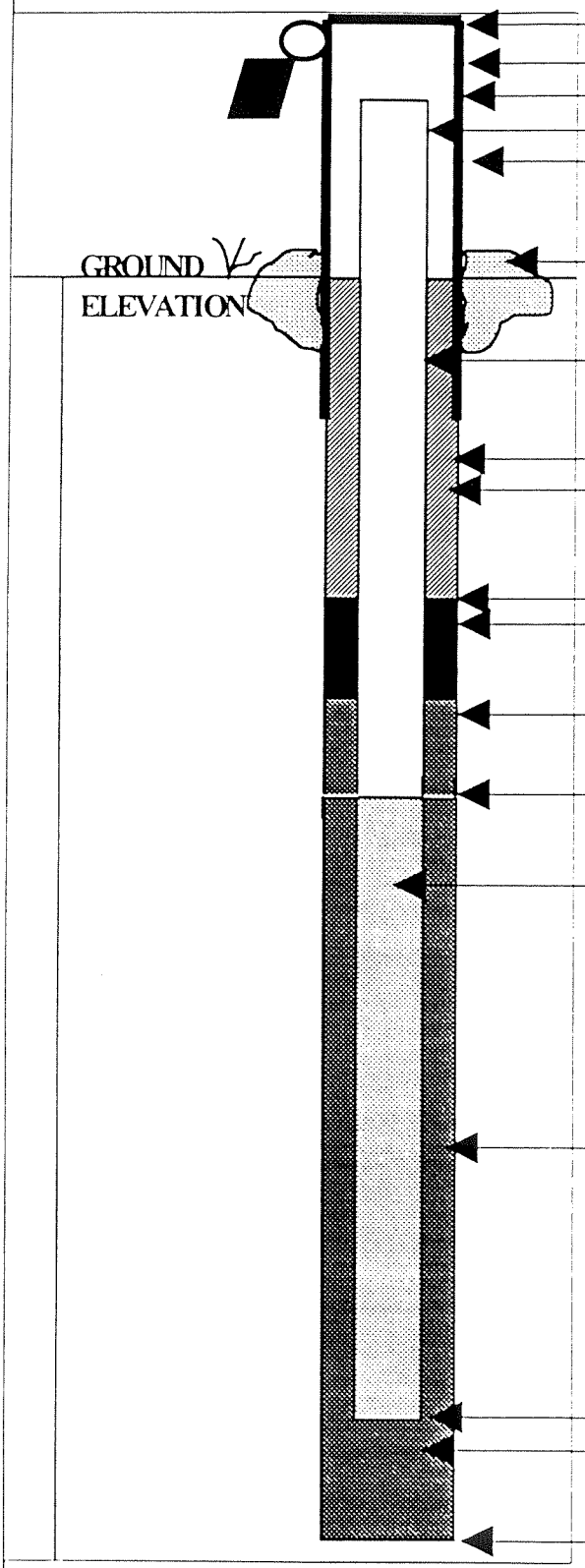
TYPE OF BACKFILL BELOW OBSERVATION WELL: 20/30 Silica Sand

ELEVATION / DEPTH OF HOLE: 134.30

BORING NO: 15A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC ORLANDO	LOCATION:	Well #15-A	DRILLER	GOI
PROJECT NO.	7452	BORING	OLD-OU2-15A	METHOD:	DPT
ELEVATION	—	DATE	6-8-98	DRILLING	HSA
FIELD GEOLOGIST	Tom NICOTRA			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: Flush mounted 8" manhole bolt down cover

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Neat cement Grout

ELEVATION / DEPTH OF SEAL: 11.0'

TYPE OS SEAL: 2'- 30/65 Fine Sand ~~Sand~~

DEPTH TOP OF SAND PACK: 3.0'

ELEVATION / DEPTH TOP OF SCREEN: 15.0'

TYPE OF SCREEN: PVC

SLOT SIZE X LENGTH: 0.010 X 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 115.0'

ELEVATION / DEPTH BOTTOM OF SAND PACK: 115.5'

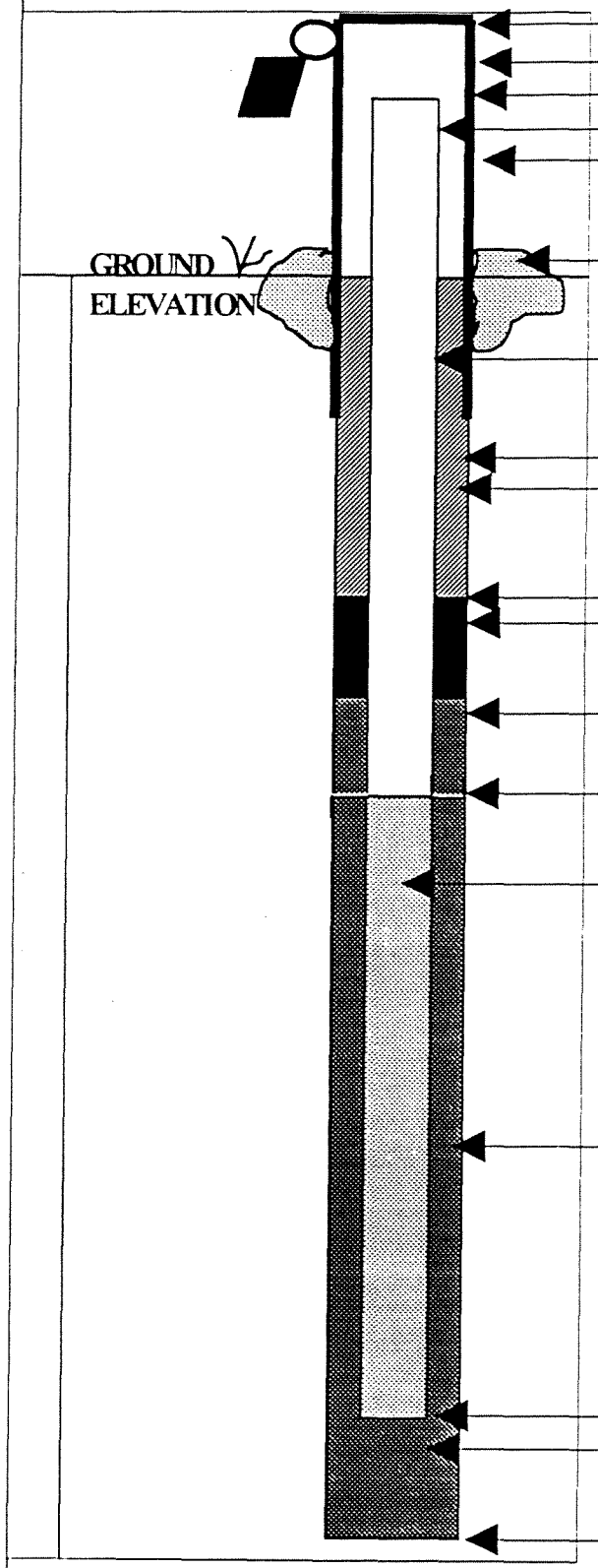
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica Sand

ELEVATION / DEPTH OF HOLE: 115.5'

BORING NO.: 15B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION:	Well # 15-B	DRILLER	GPT
PROJECT NO.	7457	BORING	OLD-OU2-15B	METHOD:	DPT
ELEVATION	N/A	DATE	6-8-98	DRILLING	HSA
FIELD GEOLOGIST	Tom Nicotera			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK -UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: Flush mounted 8" manhole cover

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: 2' Bentonite Seal. Then neat cement Grout to the surface.

ELEVATION / DEPTH OF SEAL: 129.0'

TYPE OS SEAL: 2'-30/65 Fine Sand Seal 1'- bentonite pellets

DEPTH TOP OF SAND PACK: 32.0'

ELEVATION / DEPTH TOP OF SCREEN: 135.0'

TYPE OF SCREEN: PVC Sch. 40.

SLOT SIZE X LENGTH: 0.010 X 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 140.0'

ELEVATION / DEPTH BOTTOM OF SAND PACK: 140.5'

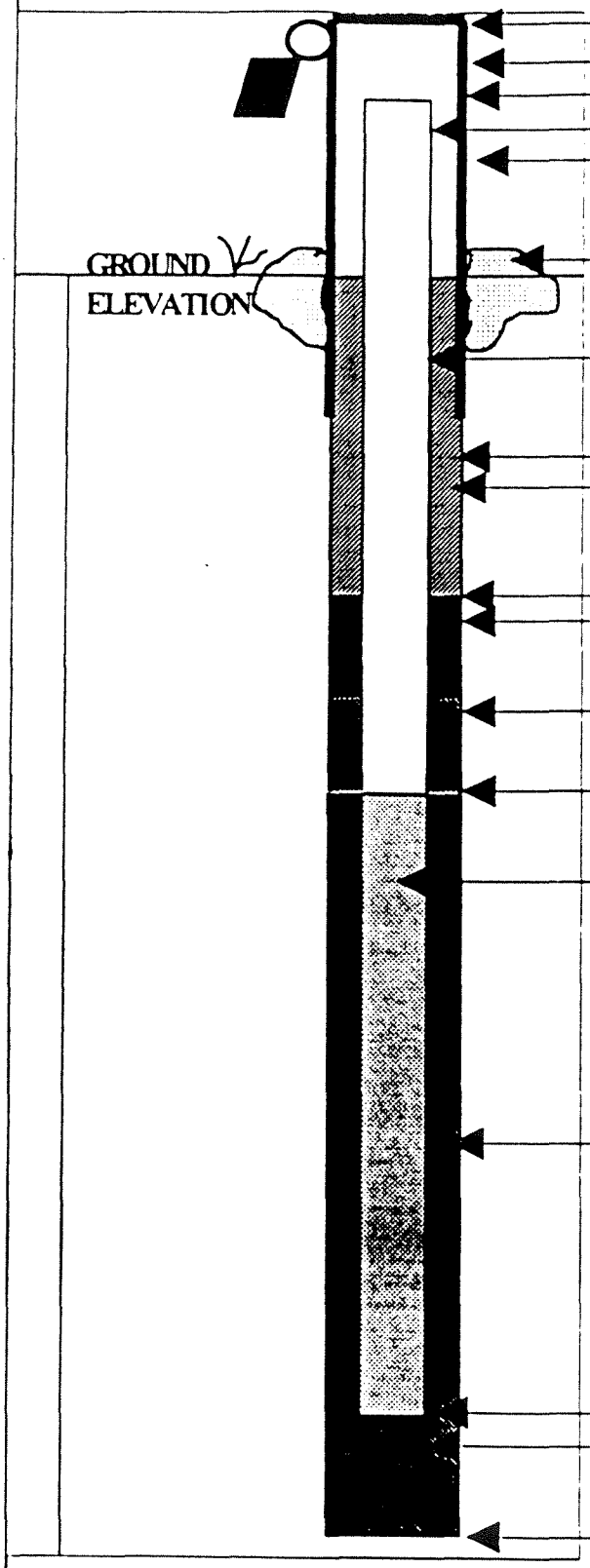
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand.

ELEVATION / DEPTH OF HOLE: 140.5'

BORING NO 16A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC - Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OD-013-16A	METHOD:	DPT
ELEVATION	N/A	DATE	6/7/98	DRILLING	HSA
FIELD GEOLOGIST	BB			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK -UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: N/A

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite/cement grout

ELEVATION / DEPTH OF SEAL: 1/1.98

TYPE OS SEAL: 30/65 fine silica sand

DEPTH TOP OF SAND PACK: 2.98

ELEVATION / DEPTH TOP OF SCREEN: 13.98

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.01 x 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 13.98

ELEVATION / DEPTH BOTTOM OF SAND PACK: 14.48

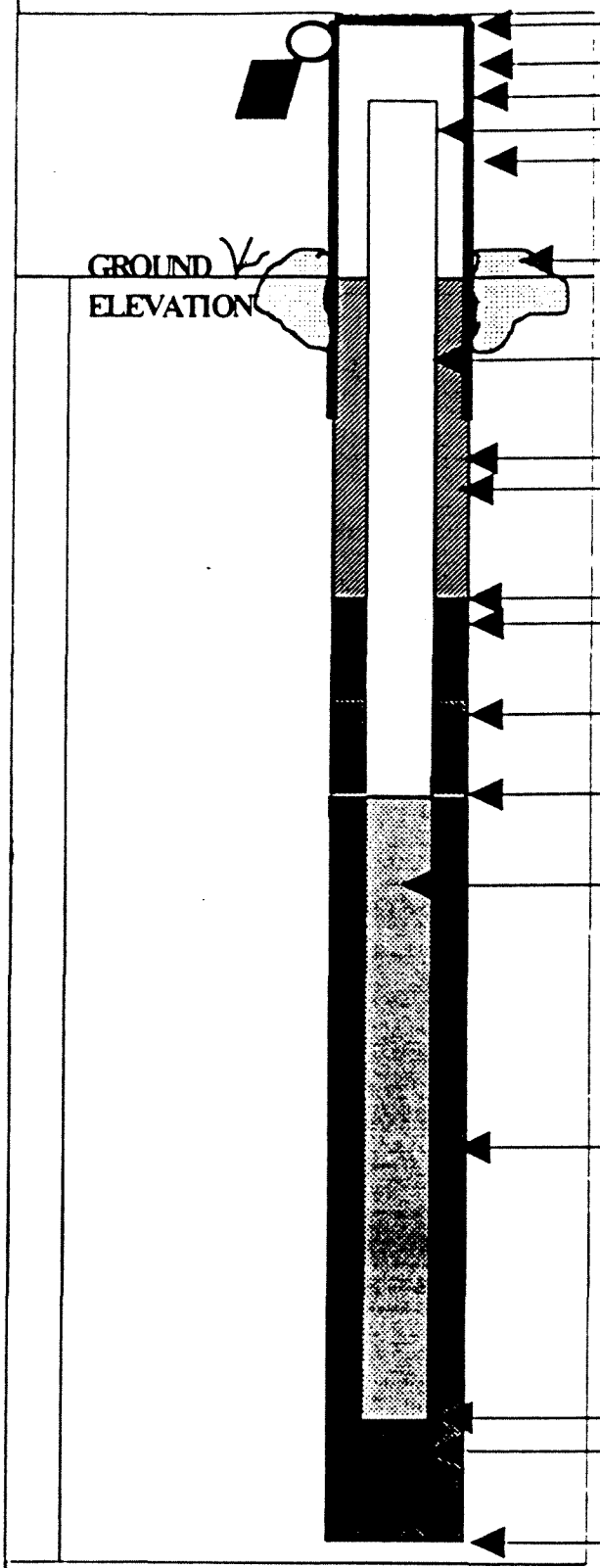
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand

ELEVATION / DEPTH OF HOLE: 14.48

BORING NO 16B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC - Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-042-16B	METHOD:	DPT
ELEVATION	N/A	DATE	6/7/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: N/A

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite / cement grout slurry

ELEVATION / DEPTH OF SEAL: 126.32

TYPE OS SEAL: 2' - 30/65 fine silica sand, 1' - bentonite pellets

DEPTH TOP OF SAND PACK: 29.32

ELEVATION / DEPTH TOP OF SCREEN: 131.32

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.01 x 5

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 136.32

ELEVATION / DEPTH BOTTOM OF SAND PACK: 136.82

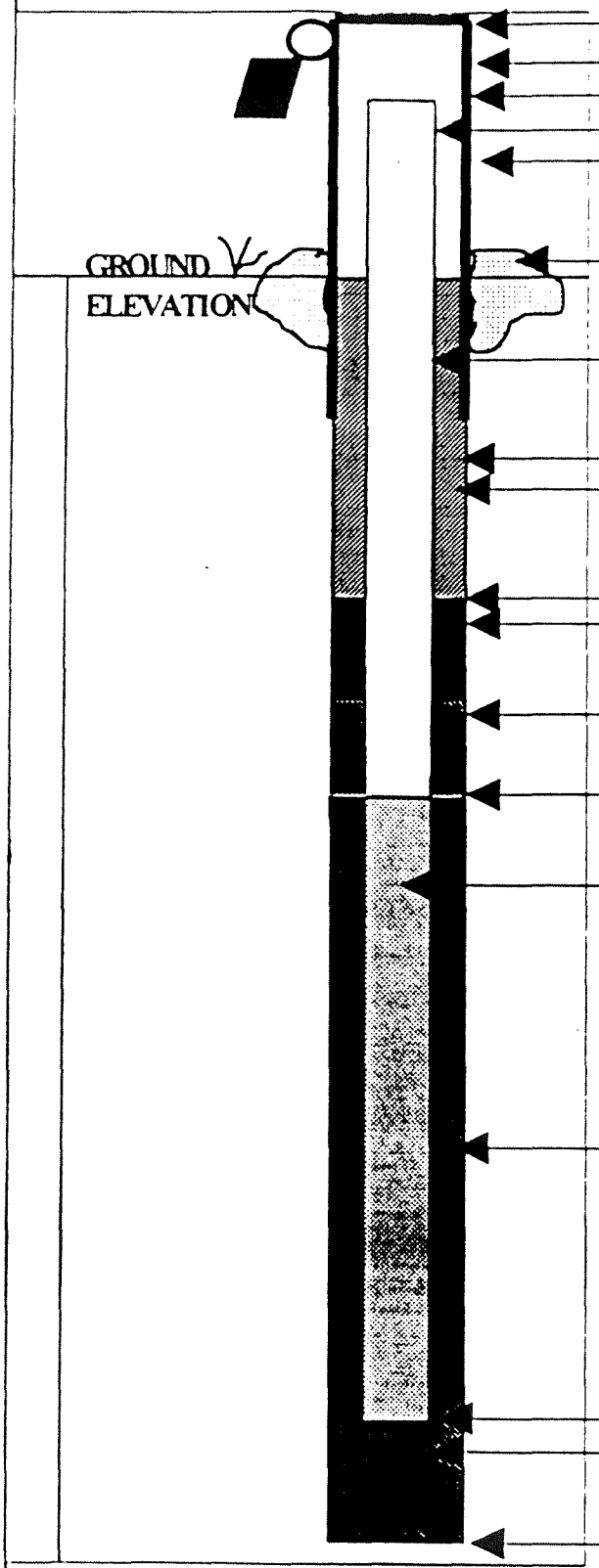
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica Sand.

ELEVATION / DEPTH OF HOLE: 136.82

BORING NO 17 CA

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC - Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD CWS-17A	METHOD:	DPT
ELEVATION	N/A	DATE	6/17/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK -UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: N/A

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite / cement grout

ELEVATION / DEPTH OF SEAL: 1 1.98

TYPE OS SEAL: 30/65 fine silica sand

DEPTH TOP OF SAND PACK: 2.98

ELEVATION / DEPTH TOP OF SCREEN: 13.98

TYPE OF SCREEN: Sch. 40 PVC

SLOT SIZE X LENGTH: 0.01 X 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 1 13 98

ELEVATION / DEPTH BOTTOM OF SAND PACK: 1 14.48

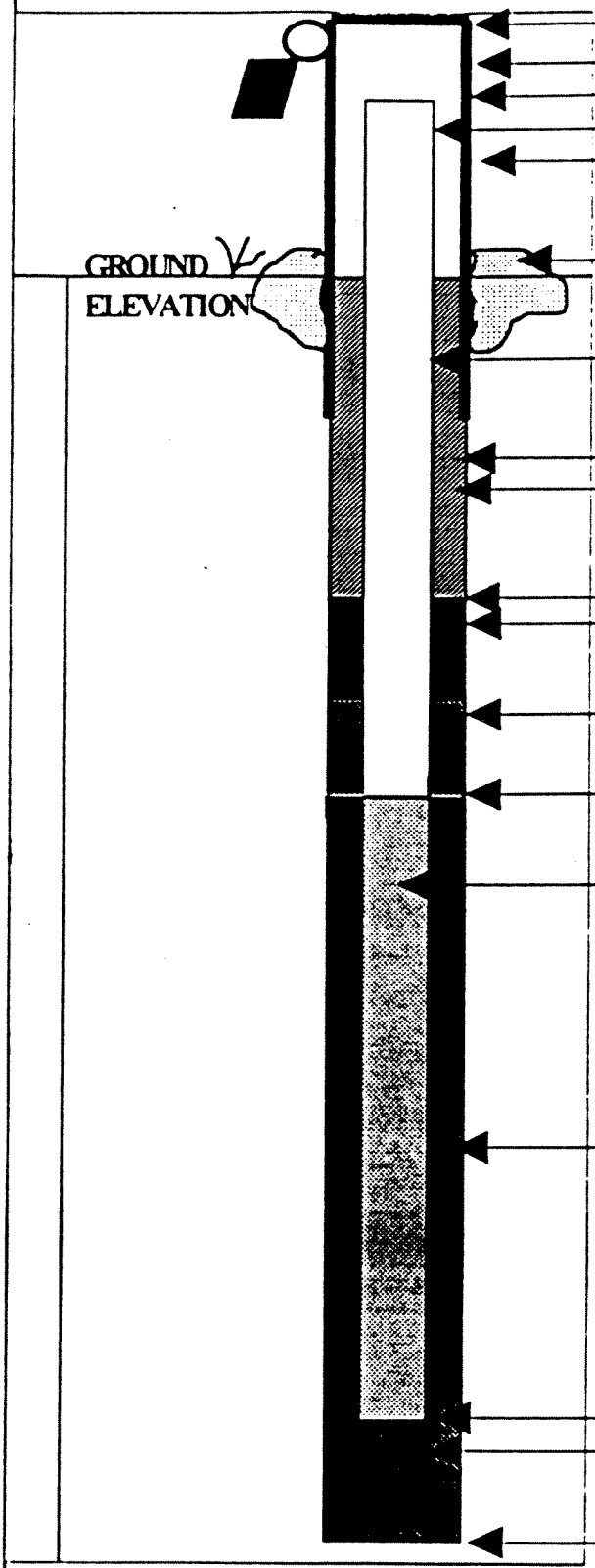
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica Sand

ELEVATION / DEPTH OF HOLE: 1 14.48

BORING NO 11D

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	McCoy Annex	DRILLER	BPI
PROJECT NO.	7457	BORING	OLD-042-17B	METHOD: DPT	
ELEVATION	N/A	DATE	6/17/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT	NA

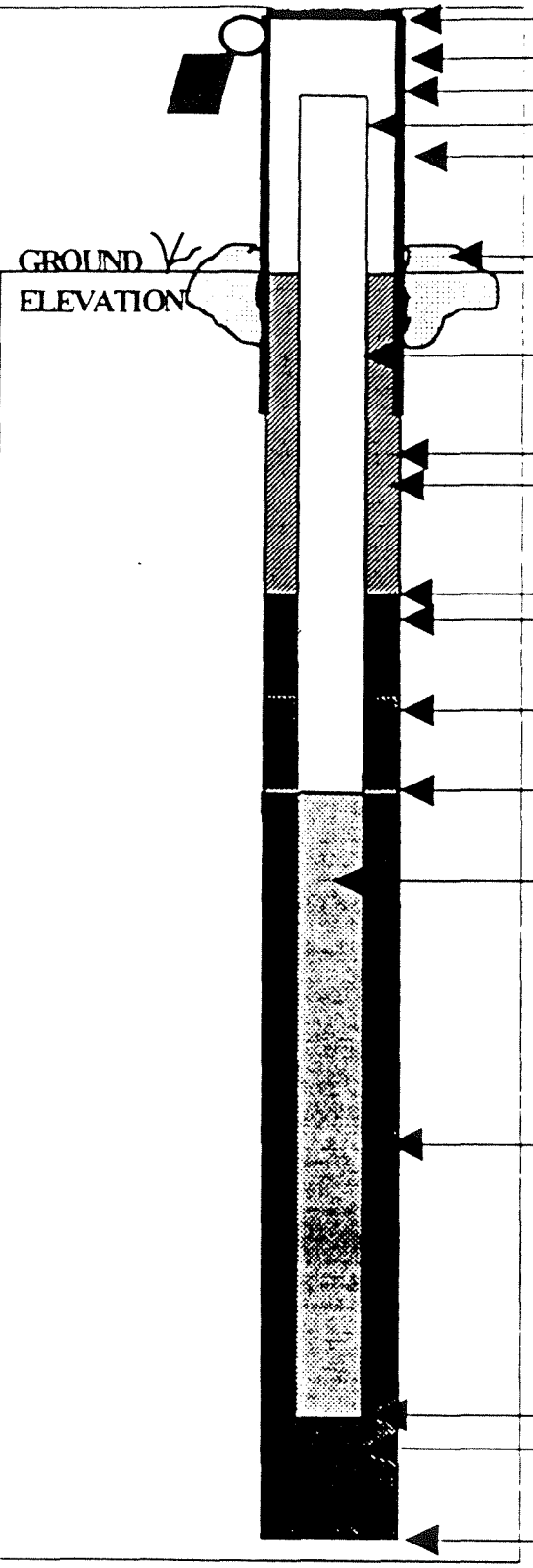


ELEVATION OF TOP OF SURFACE CASING: N/A
ELEVATION OF TOP OF RISER PIPE: N/A
STICK-UP TOP OF SURFACE CASING: N/A
STICK-UP RISER PIPE: N/A
I.D. OF SURFACE CASING: N/A
TYPE OF SURFACE CASING: N/A
TYPE OF SURFACE SEAL: concrete pad.
RISER PIPE I.D.: 2"
TYPE OF RISER PIPE: Sch 40 PVC
BOREHOLE DIAMETER: 10"
TYPE OF SEAL: bentonite/cement grout slurry
ELEVATION / DEPTH OF SEAL: 124.02
TYPE OS SEAL: 2'- 30/65 fine silica sand, 1'- bentonite pellets
DEPTH TOP OF SAND PACK: 27.02
ELEVATION / DEPTH TOP OF SCREEN: 129.02
TYPE OF SCREEN: Sch 40 PVC
SLOT SIZE X LENGTH: 0.01 X 5'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: 20/30 silica sand.
ELEVATION / DEPTHBOTTOM OF SCREEN: 134.02
ELEVATION / DEPTH BOTTOM OF SAND PACK: 134.52
TYPE OF BACKFILL BELOW OBSERVATION WELL: silica sand
ELEVATION / DEPTH OF HOLE: 134.52

BORING NO 18A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC-Orlando	LOCATION	McCoy Annex	DRILLER	GDI
PROJECT NO.	7457	BORING	OLD-OU2-18A	METHOD:	DPT
ELEVATION	N/A	DATE	6/18/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK -UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: flush mounted 3" man hole cover

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite / cement grout slurry

ELEVATION / DEPTH OF SEAL: 11.50

TYPE OS SEAL: 30/65 fine silica sand.

DEPTH TOP OF SAND PACK: 2.50

ELEVATION / DEPTH TOP OF SCREEN: 14.50

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.01 x 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand.

ELEVATION / DEPTHBOTTOM OF SCREEN: 14.00

ELEVATION / DEPTH BOTTOM OF SAND PACK: 14.50

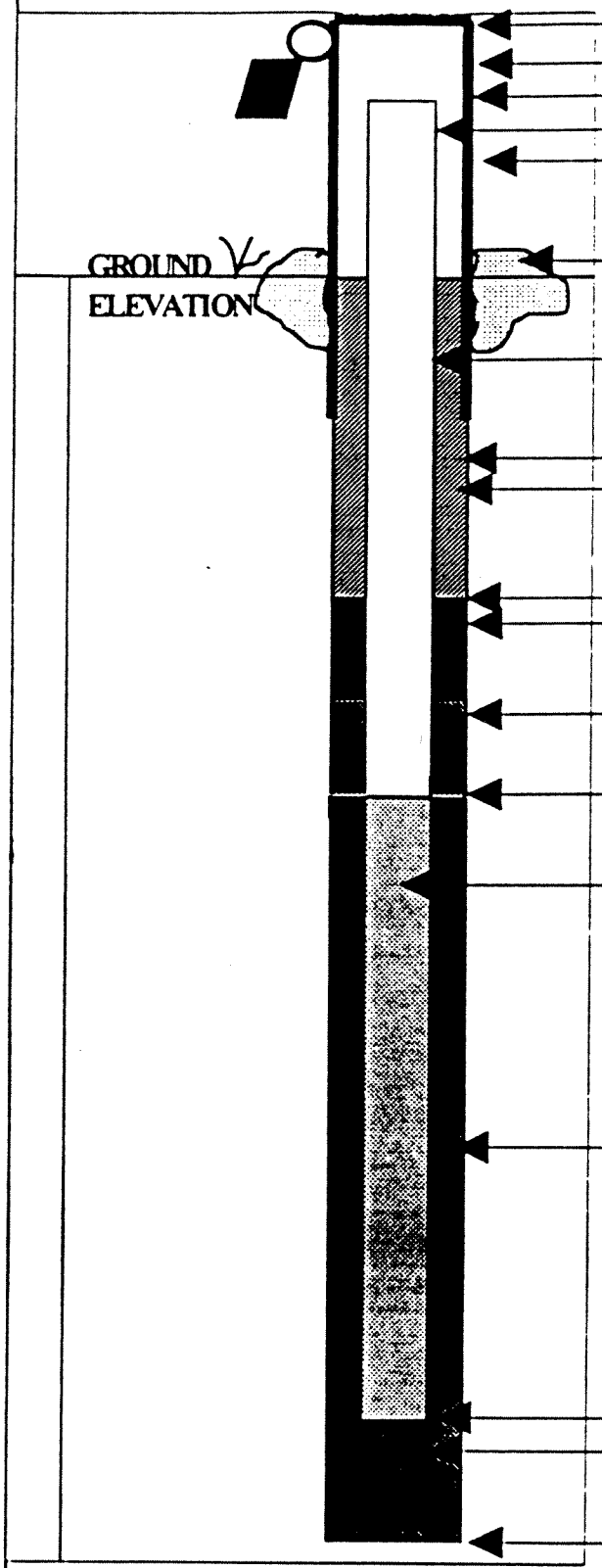
TYPE OF BACKFILL BELOW OBSERVATION WELL: silica sand.

ELEVATION / DEPTH OF HOLE: 14.50

BORING NO 18D

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC - Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-OU2-18B	METHOD:	DPT
ELEVATION	N/A	DATE	6/18/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: Flush mounted 8" - man hole cover

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch-40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite/cement grout slurry.

ELEVATION / DEPTH OF SEAL: 123.62

TYPE OS SEAL: 2' - 30/65 fine silica sand, 1' - bentonite pellets

DEPTH TOP OF SAND PACK: 26.62

ELEVATION / DEPTH TOP OF SCREEN: 128.62

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.01 X 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand.

ELEVATION / DEPTHBOTTOM OF SCREEN: 133.62

ELEVATION / DEPTH BOTTOM OF SAND PACK: 134.12

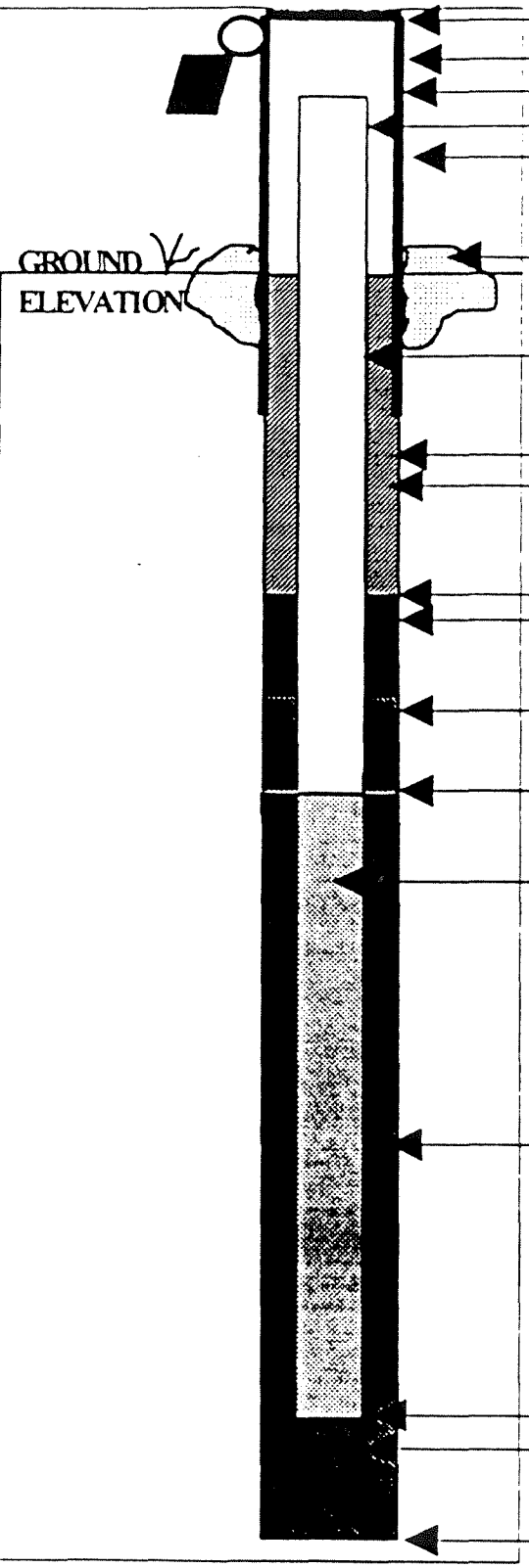
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand.

ELEVATION / DEPTH OF HOLE: 134.12

BORING NO 19 A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC - Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO	7457	BORING	OLD-OW2-19 A	METHOD	DPT
ELEVATION	N/A	DATE	2/20/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK -UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: Flush mounted 8" man hole

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite/cement grout slurry

ELEVATION / DEPTH OF SEAL: 11.31

TYPE OS SEAL: 30/65 silica sand

DEPTH TOP OF SAND PACK: 2.31

ELEVATION / DEPTH TOP OF SCREEN: 14.31

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.01 X 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Silica Sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 14.31

ELEVATION / DEPTH BOTTOM OF SAND PACK: 14.81

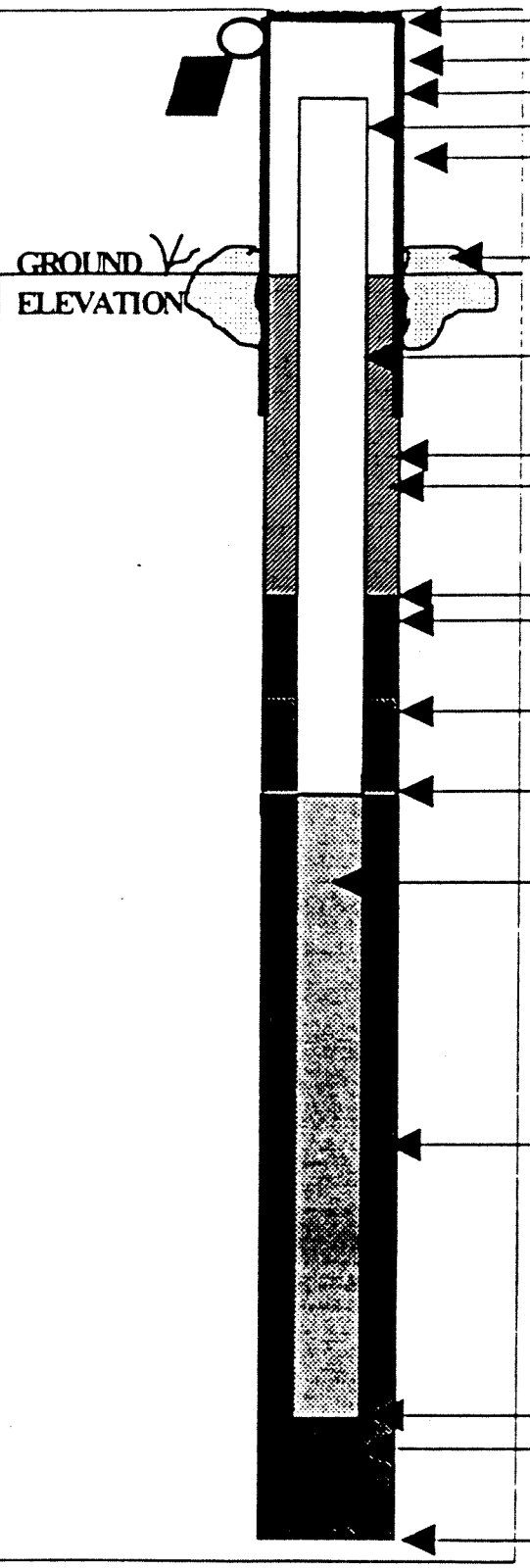
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand

ELEVATION / DEPTH OF HOLE: 14.81

BORING NO 19B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-042-19B	METHOD:	DPT
ELEVATION	N/A	DATE	6/20/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: N/A

STICK-UP RISER PIPE: N/A

I.D. OF SURFACE CASING: N/A

TYPE OF SURFACE CASING: flush mounted 8" - manhole cover (bolt down

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite / cement grout slurry

ELEVATION / DEPTH OF SEAL: 126.11

TYPE OS SEAL: 2' - 30/65 fine silica sand, 1' - bentonite pellets

DEPTH TOP OF SAND PACK: 29.11

ELEVATION / DEPTH TOP OF SCREEN: 131.11

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.01 X 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand.

ELEVATION / DEPTHBOTTOM OF SCREEN: 136.11

ELEVATION / DEPTH BOTTOM OF SAND PACK: 136.61

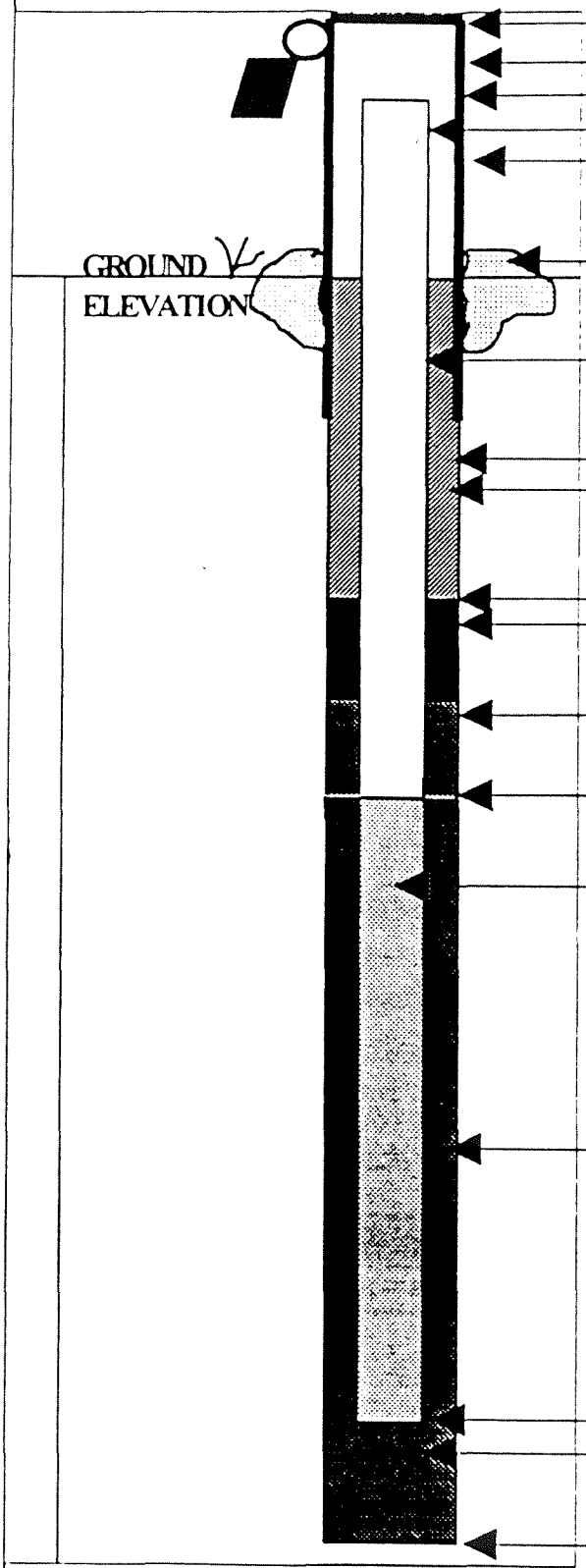
TYPE OF BACKFILL BELOW OBSERVATION WELL: silica sand

ELEVATION / DEPTH OF HOLE: 136.61

BORING NO 20 A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-042-20A	METHOD:	DPT
ELEVATION	N/A	DATE	6/24/98	DRILLING	HSA
FIELD GEOLOGIST	TN			DEVELOPMENT	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: NA

STICK -UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.5

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Bentonite/cement grout slurry

ELEVATION / DEPTH OF SEAL: 1.22

TYPE OS SEAL: 20/65 Fine silica sand

DEPTH TOP OF SAND PACK: 3.22

ELEVATION / DEPTH TOP OF SCREEN: 1.5.22

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.010 x 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 15.22

ELEVATION / DEPTH BOTTOM OF SAND PACK: 15.72

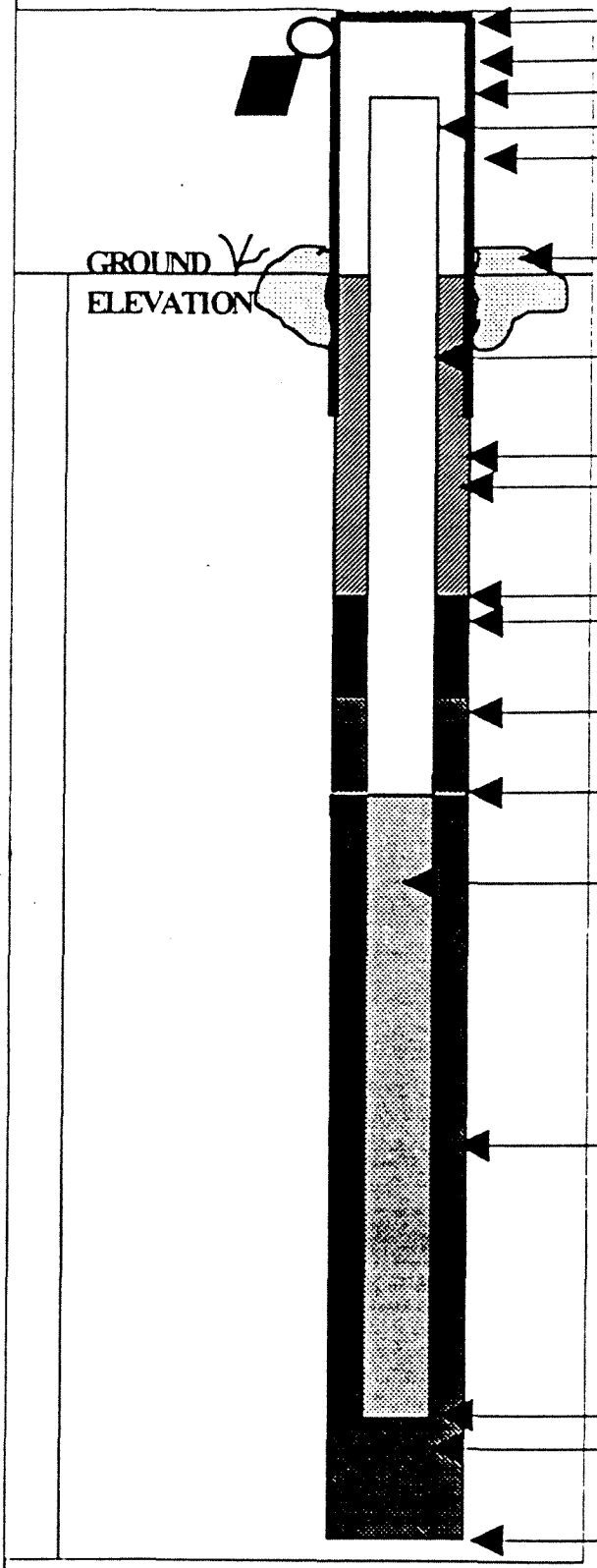
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand.

ELEVATION / DEPTH OF HOLE: 15.72

BORING NO 20B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC-Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-042-20B	METHOD:	DPT
ELEVATION	N/A	DATE	6/23/98	DRILLING	HSA
FIELD GEOLOGIST	TN			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.56

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: 2x2'x6" concrete pad.

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch. 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: bentonite/cement grout slurry

ELEVATION / DEPTH OF SEAL: 130.12

TYPE OS SEAL: 2' of 20/40 Fine silica sand + 1' of 1/8" bentonite pellets

DEPTH TOP OF SAND PACK: 33.12

ELEVATION / DEPTH TOP OF SCREEN: 135.12

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.010 x 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 140.12

ELEVATION / DEPTH BOTTOM OF SAND PACK: 140.12

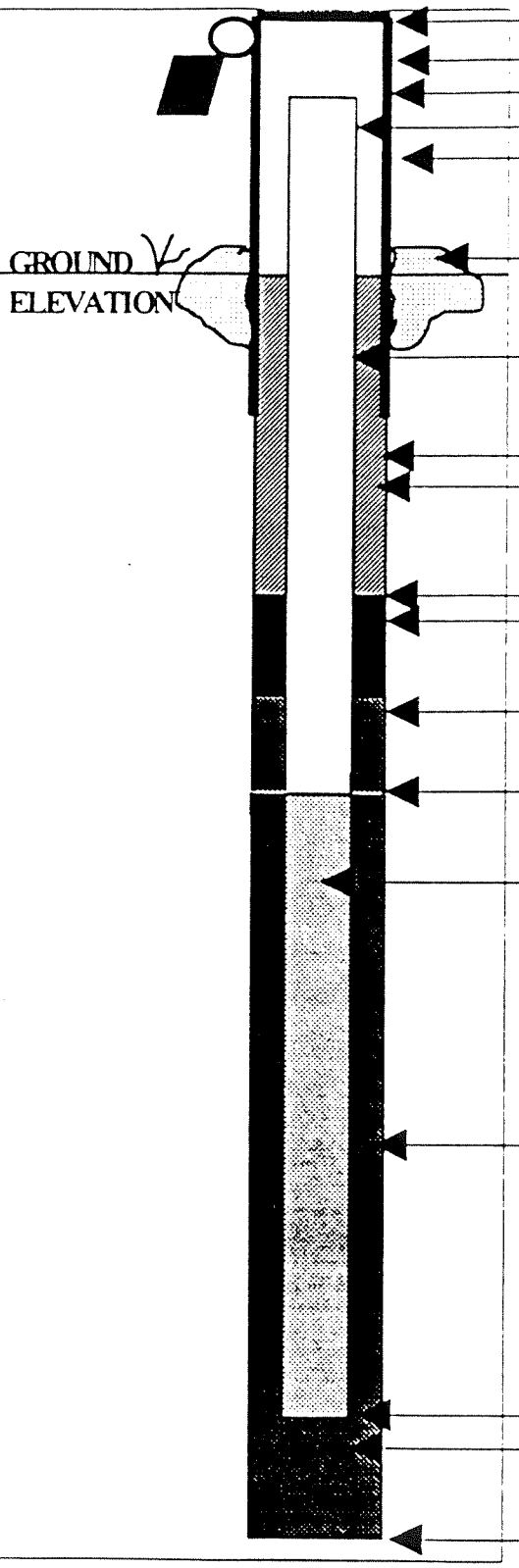
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand

ELEVATION / DEPTH OF HOLE: 140.62

BORING NO 21 A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC-Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-OU2-21A	METHOD:	DPT
ELEVATION	N/A	DATE	6/22/99	DRILLING	11SA
FIELD GEOLOGIST	BB			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.5

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: 2 x 2' x 6" concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: sch. 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Bentonite/cement grout

ELEVATION / DEPTH OF SEAL: 12.75

TYPE OS SEAL: 30/65 Silica Sand

DEPTH TOP OF SAND PACK: 4.75

ELEVATION / DEPTH TOP OF SCREEN: 16.79

TYPE OF SCREEN: Sch. 40 PVC

SLOT SIZE X LENGTH: 0.010 X 10'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Silica Sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 16.79

ELEVATION / DEPTH BOTTOM OF SAND PACK: 19.29

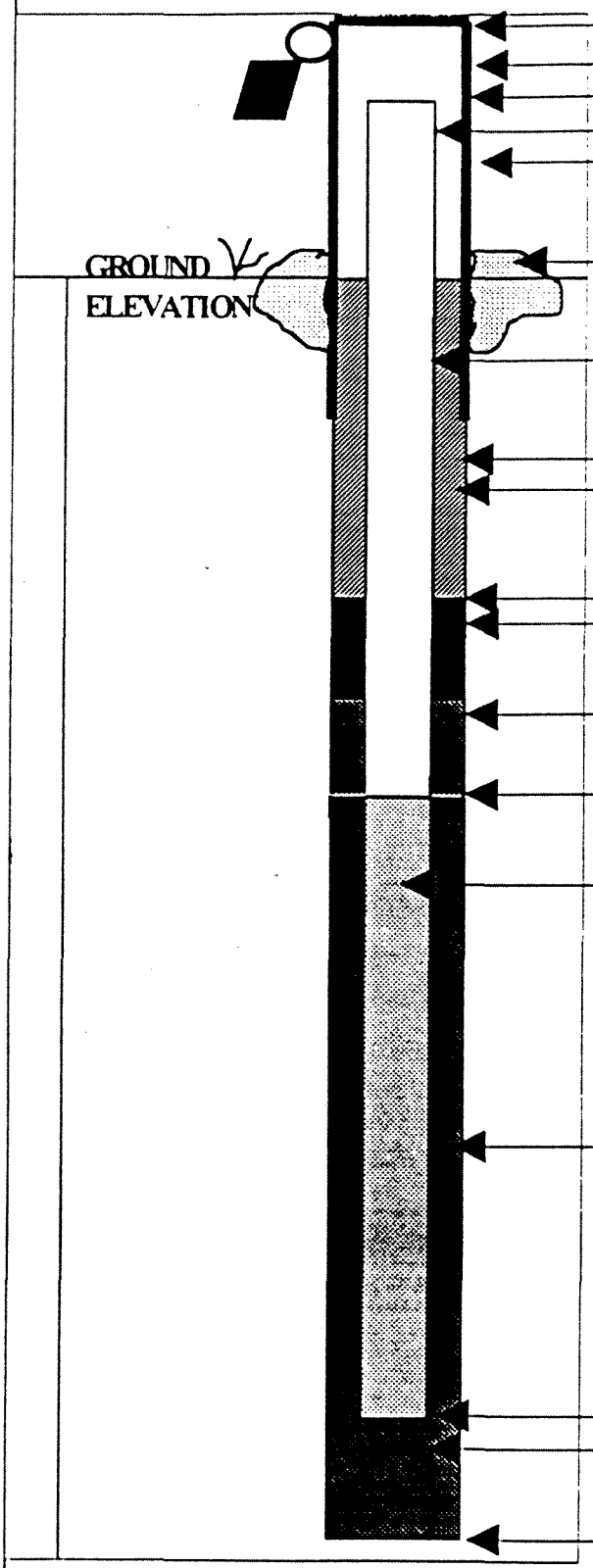
TYPE OF BACKFILL BELOW OBSERVATION WELL:

ELEVATION / DEPTH OF HOLE: 17.21

BORING NO 21 B.

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC - Orlando	LOCATION:	N. COY Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLO-012-21B	METHOD:	DPT
ELEVATION	—	DATE	6/22/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.5

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: 2' x 2' x 6" concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: sch 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Bent/cement grout slurry

ELEVATION / DEPTH OF SEAL: 122.51

TYPE OS SEAL: 2' of 30/65 Fine silica sand and 1' of 100% bentonite pellets

DEPTH TOP OF SAND PACK: 25.51

ELEVATION / DEPTH TOP OF SCREEN: 127.51

TYPE OF SCREEN: Sch 40 PVC.

SLOT SIZE X LENGTH: 0.010 X 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 132.51

ELEVATION / DEPTH BOTTOM OF SAND PACK: 132.71

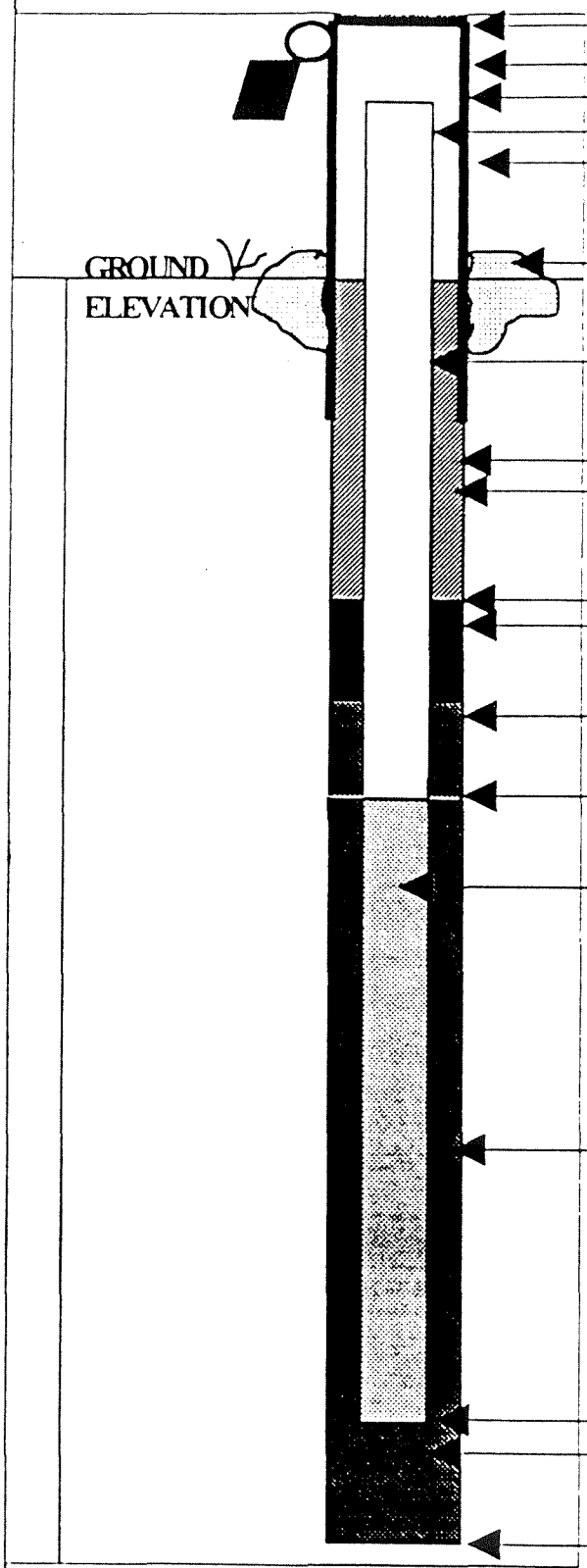
TYPE OF BACKFILL BELOW OBSERVATION WELL:

ELEVATION / DEPTH OF HOLE: 132.71

BORING NO 22A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-042-22A	METHOD:	DPT
ELEVATION	N/A	DATE	6/18/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT:	NA

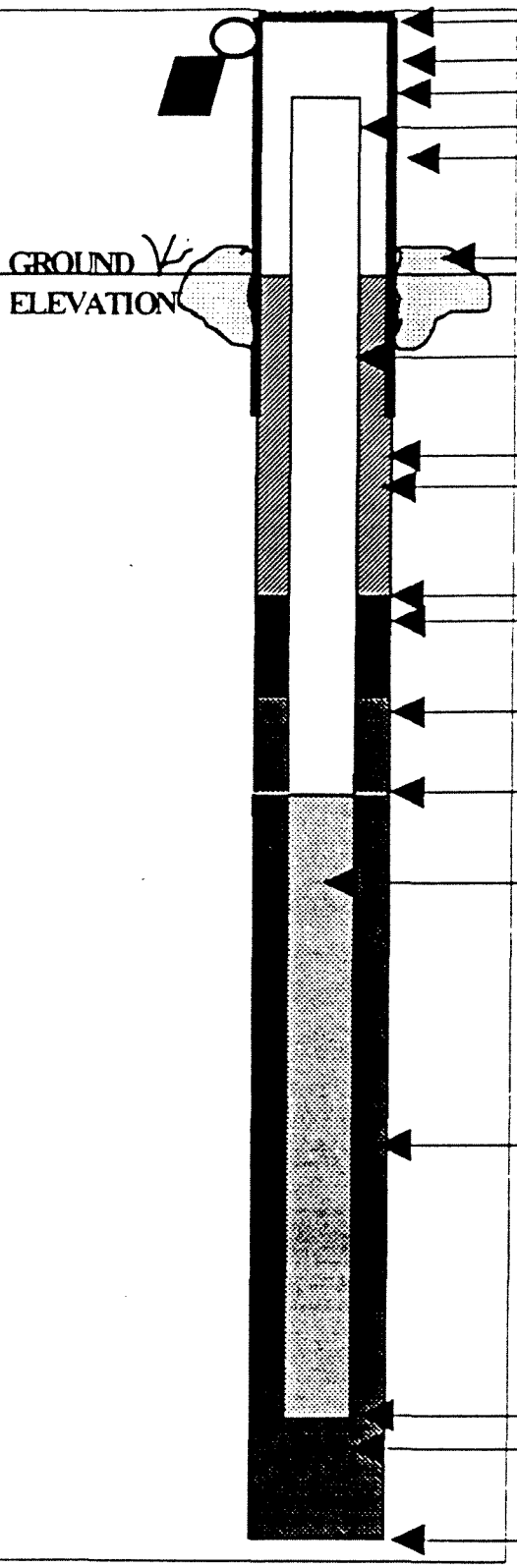


ELEVATION OF TOP OF SURFACE CASING: N/A
ELEVATION OF TOP OF RISER PIPE: N/A
STICK-UP TOP OF SURFACE CASING: 3'
STICK-UP RISER PIPE: 2.5'
I.D. OF SURFACE CASING: 2"
TYPE OF SURFACE CASING: PVC
TYPE OF SURFACE SEAL: cement pad
RISER PIPE I.D.: 2"
TYPE OF RISER PIPE: Sch. 40 PVC
BOREHOLE DIAMETER:
TYPE OF SEAL: Type 1 Portland cement / Bentonite slurry
ELEVATION / DEPTH OF SEAL: 13.25
TYPE OS SEAL: 30/65 Fine Silica Sand Seal
DEPTH TOP OF SAND PACK: 5.25
ELEVATION / DEPTH TOP OF SCREEN: 7.25
TYPE OF SCREEN: Schedule 40 PVC
SLOT SIZE X LENGTH: 0.010 X 10'
I.D. OF SCREEN: 2"
TYPE OF SAND PACK: 20/30 Silica Sand
ELEVATION / DEPTHBOTTOM OF SCREEN: 17.25
ELEVATION / DEPTH BOTTOM OF SAND PACK: 17.75
TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand
ELEVATION / DEPTH OF HOLE: 17.75

BORING NO 22B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC-Orlando	LOCATION:	McCoy Annex	DRILLER	GPI
PROJECT NO.	7457	BORING	OLD-002-22B	METHOD:	DPT
ELEVATION	N/A	DATE	6/18/98	DRILLING	HSA
FIELD GEOLOGIST	GB			DEVELOPMENT:	NA



ELEVATION OF TOP OF SURFACE CASING: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

STICK-UP TOP OF SURFACE CASING: 3.0

STICK-UP RISER PIPE: 2.5

I.D. OF SURFACE CASING: 4"

TYPE OF SURFACE CASING: steel

TYPE OF SURFACE SEAL: 2' x 2' x 6" concrete pad

RISER PIPE I.D.: 2"

TYPE OF RISER PIPE: Sch. 40 PVC

BOREHOLE DIAMETER: 10"

TYPE OF SEAL: Bent/cement pumped slurry

ELEVATION / DEPTH OF SEAL: 122.02

TYPE OS SEAL: 30/65 Fine silica sand w/ 1'of 100% bentonite pellets.

DEPTH TOP OF SAND PACK: 25.02

ELEVATION / DEPTH TOP OF SCREEN: 127.02

TYPE OF SCREEN: Sch 40 PVC

SLOT SIZE X LENGTH: 0.01 X 5'

I.D. OF SCREEN: 2"

TYPE OF SAND PACK: 20/30 Silica sand

ELEVATION / DEPTHBOTTOM OF SCREEN: 132.02

ELEVATION / DEPTH BOTTOM OF SAND PACK: 133.0

TYPE OF BACKFILL BELOW OBSERVATION WELL: Silica sand.

ELEVATION / DEPTH OF HOLE: 133.0

BORING NO : 23C

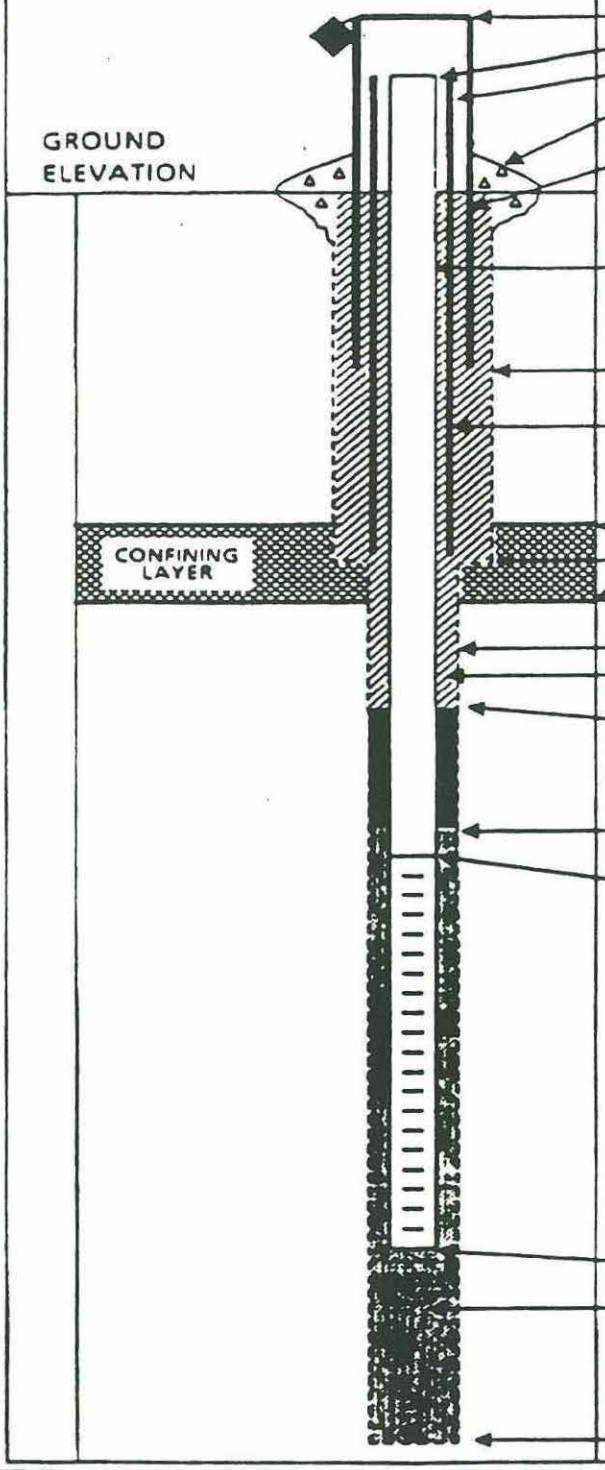
SOUTHNAVFAC

CONFINING LAYER MONITORING WELL SHEET

PROJECT NTC Orlando
PROJECT NO. 7457
ELEVATION N/A
FIELD GEOLOGIST Tom Nicotera

LOCATION OLD-OU2-23C
BORING
DATE 6/24-25

DRILLER GPI
DRILLING METHOD HSA, Mud rotary
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING: N/A
ELEVATION OF TOP OF RISER PIPE: N/A
ELEVATION TOP OF PERM. CASING: N/A
TYPE OF SURFACE SEAL: 3 x 3' x 6" cement pad
I.D. OF SURFACE CASING: 4"
TYPE OF SURFACE CASING: metal

RISER PIPE I.D. 2"
TYPE OF RISER PIPE: Sch 40 PVC

BOREHOLE DIAMETER: 10"

PERM. CASING I.D. 6"
TYPE OF CASING & BACKFILL: Sch 40 PVC. cement/bentonite slurry

ELEVATION / DEPTH TOP CONFINING LAYER: 28'
ELEVATION / DEPTH BOTTOM OF CASING: 31'
ELEVATION / DEPTH BOT. CONFINING LAYER: 48'

BOREHOLE DIA. BELOW CASING: 6"
TYPE OF BACKFILL: Portland cement (Type I) and bentonite slurry
ELEVATION / DEPTH TOP OF SEAL: 44.20
TYPE OF SEAL: 2' 30/65 fine silica sand 1' bentonite pellets

DEPTH TOP OF SAND PACK: 47.20

ELEVATION/DEPTH TOP OF SCREEN: 49.20
TYPE OF SCREEN: Sch 40 PVC

TYPE OF SAND PACK: 20/30 silica sand

ELEVATION / DEPTH BOTTOM OF SCREEN: 54.20

ELEVATION / DEPTH BOTTOM OF SAND PACK: 55.00
TYPE OF BACKFILL BELOW OBSERVATION WELL: 20/30 silica sand.

ELEVATION / DEPTH OF HOLE: 55.00

BORING NO. [illegible]

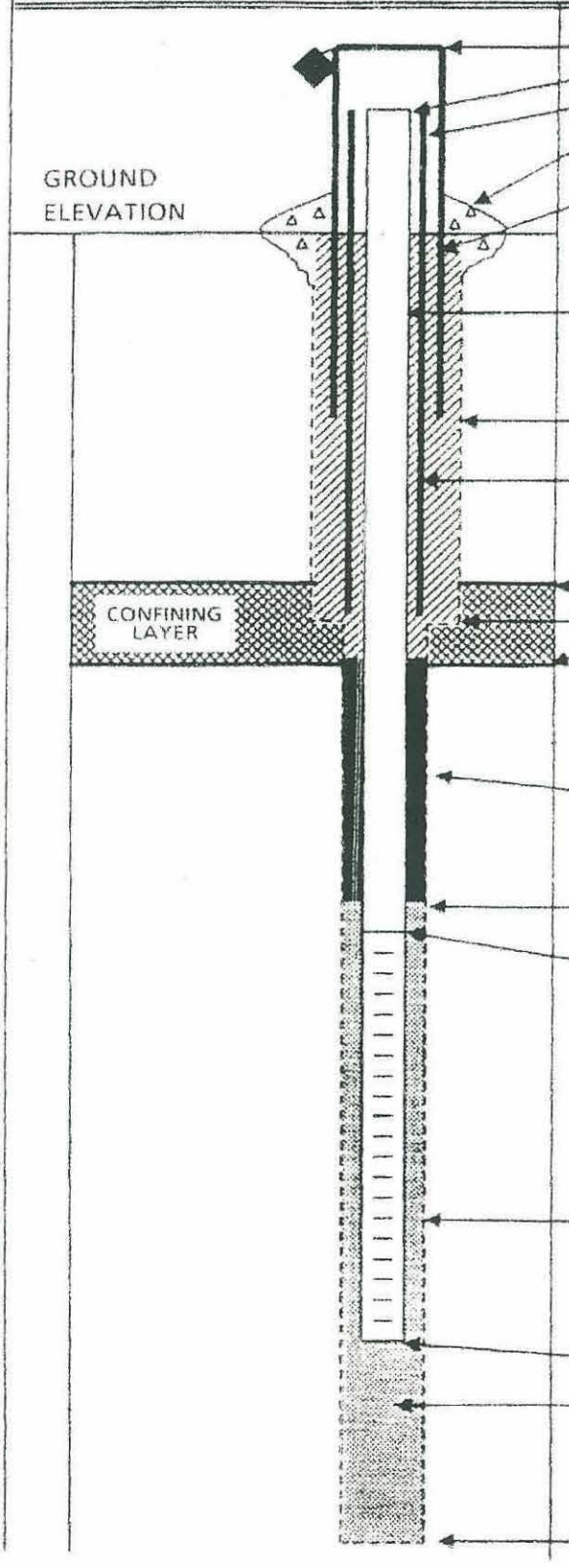
SOUTHNAVFAC

CONFINING LAYER MONITORING WELL SHEET

PROJECT: NTC Orlando
PROJECT NO.: 7459
ELEVATION: –
FIELD GEOLOGIST: [illegible]

LOCATION: OLD [illegible] -24C
BORING:
DATE: 6/22

DRILLER: [illegible]
DRILLING METHOD: HSA [illegible]
DEVELOPMENT METHOD:



ELEVATION OF TOP OF SURFACE CASING: N/A
ELEVATION OF TOP OF RISER PIPE: N/A
ELEVATION TOP OF PERM. CASING: N/A
TYPE OF SURFACE SEAL: 3'x3' x [illegible] concrete pad
I.D. OF SURFACE CASING: 2"
TYPE OF SURFACE CASING: [illegible] pipe [illegible] x 5'
RISER PIPE I.D.: 2"
TYPE OF RISER PIPE: Sch 40 PVC
BOREHOLE DIAMETER: 10"
PERM. CASING I.D.: 6"
TYPE OF CASING & BACKFILL: Sch 40 PVC [illegible] cement grout slurry
ELEVATION / DEPTH TOP CONFINING LAYER: 131'
ELEVATION / DEPTH BOTTOM OF CASING: 137'
ELEVATION / DEPTH BOT. CONFINING LAYER: [illegible]
ELEVATION / DEPTH TOP OF SEAL: 153'
TYPE OF SEAL: 1' 30/65 fine silica sand and 2' bentonite pellets
DEPTH TOP OF SAND PACK: 57'
ELEVATION/DEPTH TOP OF SCREEN: 159'
TYPE OF SCREEN: Sch 40 PVC
TYPE OF SAND PACK: 20/30 Silica Sand
BOREHOLE DIA. BELOW CASING: 6"
ELEVATION / DEPTH BOTTOM OF SCREEN: 164'
ELEVATION / DEPTH BOTTOM OF SAND PACK: 164.5
TYPE OF BACKFILL BELOW OBSERVATION WELL: 20/30 Silica Sand
ELEVATION / DEPTH OF HOLE: 164.5

BORING NO : 25C

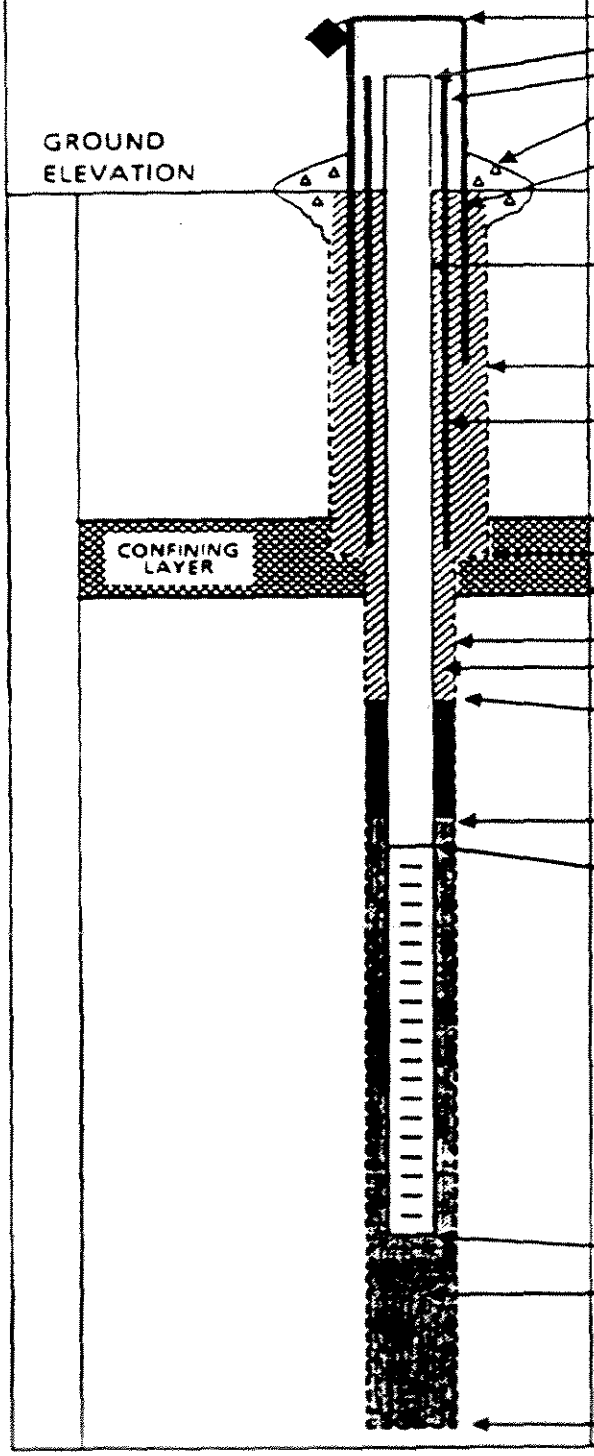
SOUTHNAVFAC

CONFINING LAYER MONITORING WELL SHEET

PROJECT: NTC Orlando
PROJECT NO.: 7457
ELEVATION: N/A
FIELD GEOLOGIST: Tom Nicolera

LOCATION: 040-042-25C
BORING: 6/22+23
DATE:

DRILLER: Nick
DRILLING METHOD: HSA, Mud rotary
DEVELOPMENT METHOD:



ELEVATION OF TOP OF SURFACE CASING: N/A
ELEVATION OF TOP OF RISER PIPE: N/A
ELEVATION TOP OF PERM. CASING: N/A
TYPE OF SURFACE SEAL: 3'x3'x6" concrete pad
I.D. OF SURFACE CASING: 4"
TYPE OF SURFACE CASING: metal pipe
RISER PIPE I.D. 2"
TYPE OF RISER PIPE: Sch 40 PVC
BOREHOLE DIAMETER: 10"
PERM. CASING I.D. 6"
TYPE OF CASING & BACKFILL: Sch 40 PVC
ELEVATION / DEPTH TOP CONFINING LAYER: 33'
ELEVATION / DEPTH BOTTOM OF CASING: 36'
ELEVATION / DEPTH BOT. CONFINING LAYER: 54
BOREHOLE DIA. BELOW CASING: 6"
TYPE OF BACKFILL: Type I Portland Cement / bentonite slurry
ELEVATION / DEPTH TOP OF SEAL: 63.53
TYPE OF SEAL: 2' 30/65 fine sand seal + 1' bentonite pellets
DEPTH TOP OF SAND PACK: 65.53
ELEVATION/DEPTH TOP OF SCREEN: 67.53
TYPE OF SCREEN: Sch 40 PVC
TYPE OF SAND PACK: 20/30 silica sand
ELEVATION / DEPTH BOTTOM OF SCREEN: 71.53
ELEVATION / DEPTH BOTTOM OF SAND PACK: 72.50
TYPE OF BACKFILL BELOW OBSERVATION WELL: 20/30 silica sand
ELEVATION / DEPTH OF HOLE: 72.50

BORING NO : 26C

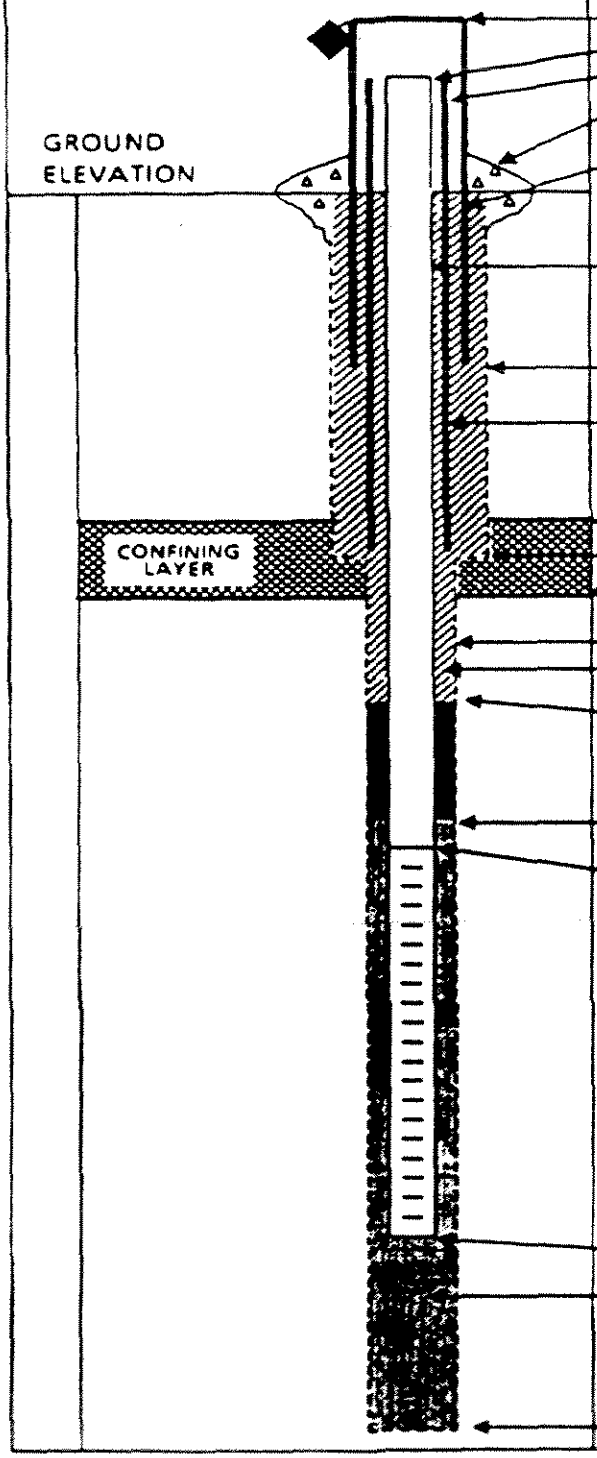
SOUTHNAVFAC

CONFINING LAYER MONITORING WELL SHEET

PROJECT NTC Orlando
PROJECT NO. 7457
ELEVATION N/A
FIELD GEOLOGIST Tom Nicolson

LOCATION OU-OU2-26C
BORING 4/23+24
DATE

DRILLER Nick
DRILLING METHOD HSA + Mud Rotary
DEVELOPMENT METHOD



ELEVATION OF TOP OF SURFACE CASING : N/A
ELEVATION OF TOP OF RISER PIPE: N/A
ELEVATION TOP OF PERM. CASING: N/A
TYPE OF SURFACE SEAL: 3'x3'x6" concrete pad
I.D. OF SURFACE CASING: 4"
TYPE OF SURFACE CASING: metal

RISER PIPE I.D. 2"
TYPE OF RISER PIPE: Sch. 40 PVC

BOREHOLE DIAMETER: 10"

PERM. CASING I.D. 6"
TYPE OF CASING & BACKFILL: Sch. 40 PVC

ELEVATION / DEPTH TOP CONFINING LAYER: 33.00
ELEVATION / DEPTH BOTTOM OF CASING: 36.00
ELEVATION / DEPTH BOT. CONFINING LAYER: 53.00

BOREHOLE DIA. BELOW CASING:
TYPE OF BACKFILL: Portland cement (Type I) and bentonite slurry.
ELEVATION / DEPTH TOP OF SEAL: 50.10
TYPE OF SEAL: 2' 20/65 silica sand. 1' of bentonite pellets.

DEPTH TOP OF SAND PACK: 53.10

ELEVATION/DEPTH TOP OF SCREEN: 55.10
TYPE OF SCREEN: Sch. 40 PVC 0.01 slot
TYPE OF SAND PACK: 20/30 silica sand

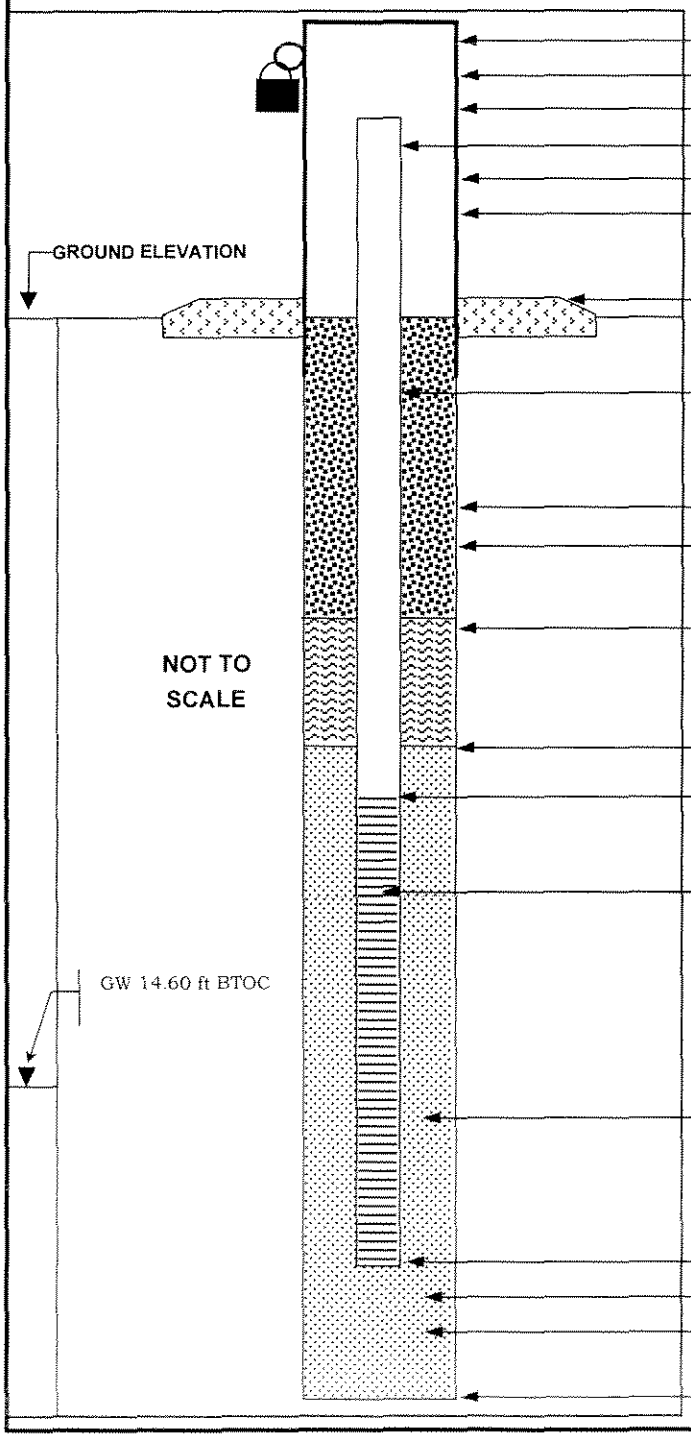
ELEVATION / DEPTH BOTTOM OF SCREEN: 60.10
ELEVATION / DEPTH BOTTOM OF SAND PACK: 60.52
TYPE OF BACKFILL BELOW OBSERVATION WELL: 20/30 silica sand.

ELEVATION / DEPTH OF HOLE: 60.52

WELL NO.: OLD-OU2-27A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU 2	DRILLER	Bill Hammond-GPI
PROJECT NO.	7457	BORING	27A	METHOD:	
ELEVATION		DATE	06-Feb-01	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	sub pump

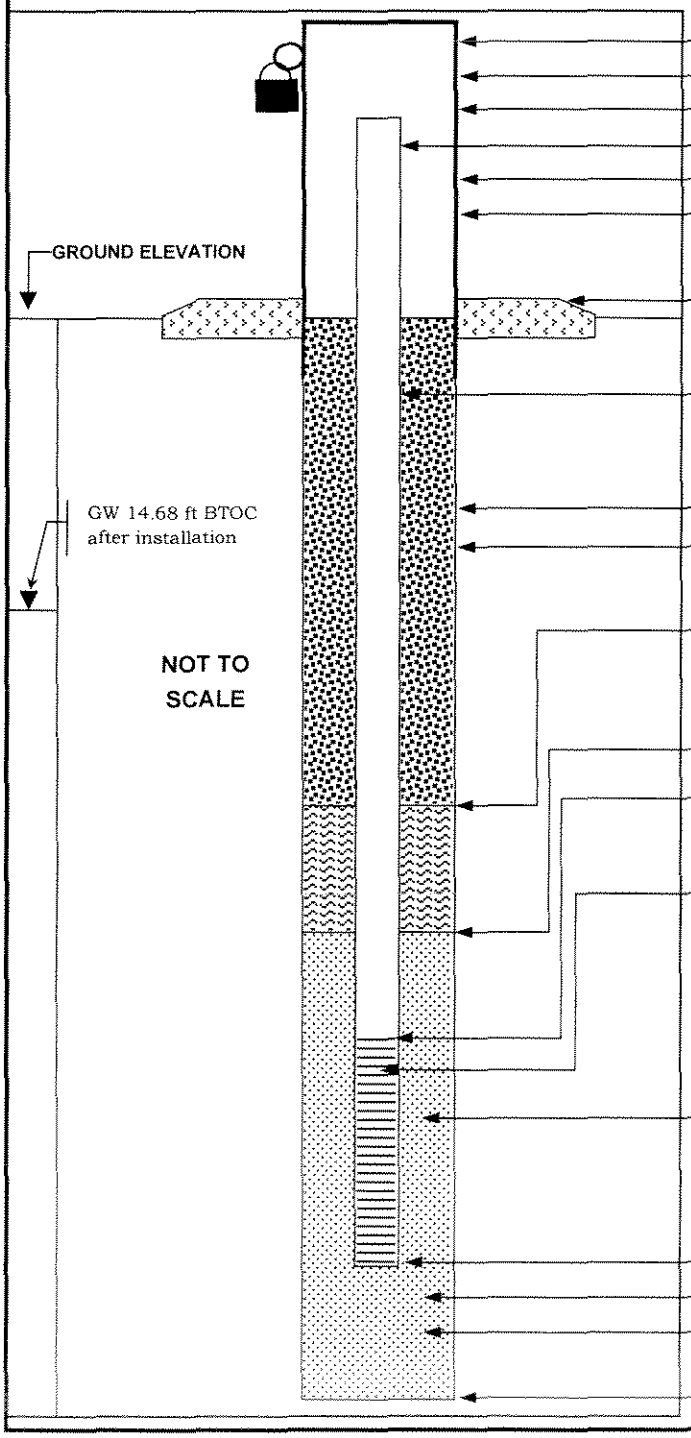


ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3.25 ft
STICK-UP OF RISER PIPE:	3 ft
I.D. OF SURFACE CASING:	4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	2 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.5 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	2 ft
TYPE OF SEAL:	30/65 fine sand
DEPTH - TOP OF SAND PACK:	4 ft
ELEVATION / DEPTH - TOP OF SCREEN:	6 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.01 in. X 10 ft
I.D. OF SCREEN:	2 in.
TYPE OF SAND PACK:	30/45
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	16 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	16.5 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	17 ft

WELL NO.: OLD-OU2-27B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU 2	DRILLER	Bill Hammond-GPI
PROJECT NO.	7457	BORING	27B	METHOD:	
ELEVATION		DATE	06-Feb-01	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	sub pump

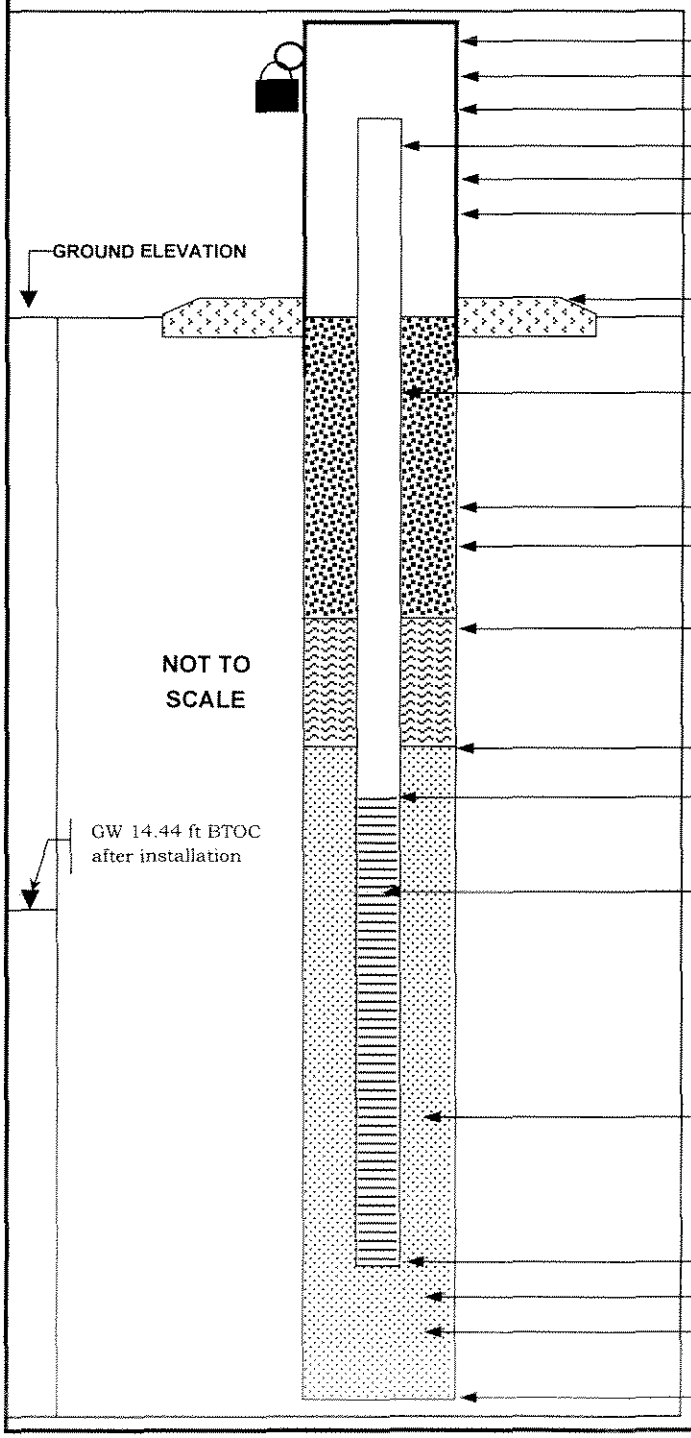


ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3 ft
STICK-UP OF RISER PIPE:	2.5 ft
I.D. OF SURFACE CASING:	4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	2 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	23 ft
TYPE OF SEAL:	30/65 fine sand
DEPTH - TOP OF SAND PACK:	25 ft
ELEVATION / DEPTH - TOP OF SCREEN:	27 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.01 in. X 5 ft
I.D. OF SCREEN:	2 in.
TYPE OF SAND PACK:	30/45
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	32 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	32 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	32 ft

WELL NO.: OLD-OU2-28A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU 2	DRILLER	Bill Hammond-GPI
PROJECT NO.	7457	BORING	28A	METHOD:	
ELEVATION		DATE	07-Feb-01	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	sub pump

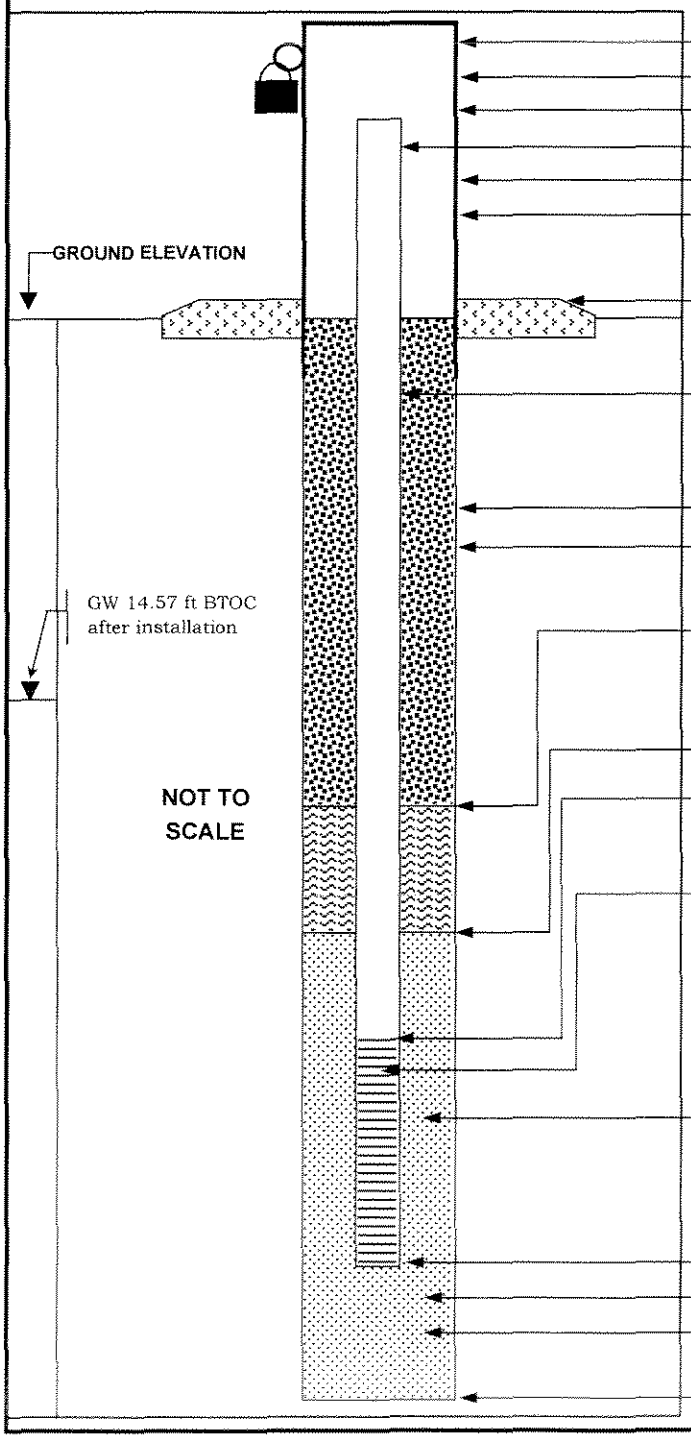


ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3 ft
STICK-UP OF RISER PIPE:	2.5 ft
I.D. OF SURFACE CASING:	4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	2 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	2 ft
TYPE OF SEAL:	30/65
DEPTH - TOP OF SAND PACK:	4 ft
ELEVATION / DEPTH - TOP OF SCREEN:	6 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.01 in. X 10 ft
I.D. OF SCREEN:	2 in.
TYPE OF SAND PACK:	30/45
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	16 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	16.5 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	17 ft

WELL NO.: OLD-OU2-28B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU 2	DRILLER	Nick Smarrito-GPI
PROJECT NO.	7457	BORING	28B	METHOD:	
ELEVATION		DATE	09-Feb-01	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	sub pump



ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3 ft
STICK-UP OF RISER PIPE:	2.5 ft
I.D. OF SURFACE CASING:	4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	2 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	23 ft
TYPE OF SEAL:	30/65 fine sand
DEPTH - TOP OF SAND PACK:	25 ft
ELEVATION / DEPTH - TOP OF SCREEN:	27 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.01 in. X 5 ft
I.D. OF SCREEN:	2 in.
TYPE OF SAND PACK:	30/45
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	32 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	32 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	32 ft

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: 7457 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Skip Barton | EDITED BY:

WELL NAME: OLD-OU2-29A | DATE: 2/13/02

DRILLING COMPANY:

EQUIPMENT: [X] 4.25 INCH HOLLOW STEM AUGER [ ] __ INCH ROTARY WASH

DRILLER: Gary Wagner

HOURS DRILLED: 0.5

GALLONS OF WATER USED DURING DRILLING: NA

METHOD OF DECONTAMINATION PRIOR TO DRILLING: steam/pressure wash

DEVELOPMENT

METHOD OF DEVELOPMENT: peristaltic pump

DEVELOPMENT BEGAN DATE: 2/17/02 TIME: 1107

YEILD: GPM	TIME: FROM	TO	DATE:
YEILD: GPM	TIME: FROM	TO	DATE:
YEILD: GPM	TIME: FROM	TO	DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: 25 GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [ ] CLEAR [ ] SLIGHTLY CLOUDY [X] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER: decayed organic (faint)

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

8 50 lb.	SACKS OF	30/45	SAND
0.5 96 lb.	SACKS OF	Type I Portland	CEMENT
	GALLONS OF GROUT USED		
	SACKS POWDERED BENTONITE		
1 50 lb.	SACKS OF	30/65	SAND
5	FEET OF	1	INCH PVC BLANK CASING
10	FEET OF	1X2	INCH PVC SLOTTED SCREEN

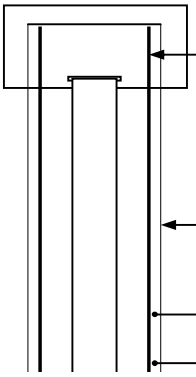
YARD3 CEMENT-SAND (REDI-MIX) ORDERED

YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



[X] SEE "OTHER" BELOW

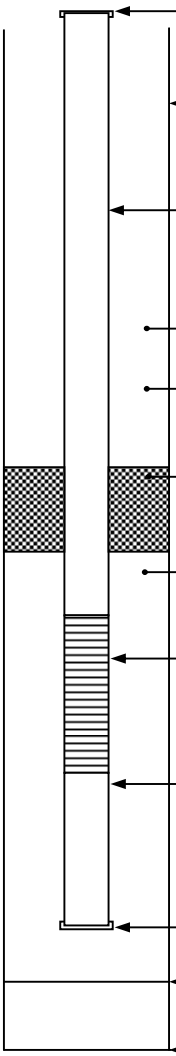
[ ] LOCKING STEEL COVER

__ INCH DIAMETER SCH __ PVC OUTER CASING __ to __ feet

__ INCH DIAMETER BOREHOLE __ to __ feet

[ ] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL __ to __ feet



TOP OF CASING AT 0.2 FEET ABOVE AT / BELOW GROUND LEVEL

8.5 INCH DIAMETER BOREHOLE 0 to 15.25 feet

1 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING 0.2 to 5 feet

[X] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL 0.5 to 1 feet

FINE SAND SEAL 1 to 3 feet

30/45 SAND PACK 3 to 15 feet

1X2 INCH DIAMETER SLOTTED 0.01 INCH SCREEN 5 to 15 feet

__ INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP __ to __ feet

BOTTOM WELL CAP 15 feet

HOLE CLEANED OUT TO 15.25 feet

BOTTOM OF BOREHOLE 15.25 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: 7457 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Skip Barton | EDITED BY:

WELL NAME: OLD-OU2-29B | DATE: 2/13/02

DRILLING COMPANY:

EQUIPMENT: [X] 4.25 INCH HOLLOW STEM AUGER [ ] __ INCH ROTARY WASH

DRILLER: Gary Wagner

HOURS DRILLED: 1.5

GALLONS OF WATER USED DURING DRILLING: NA

METHOD OF DECONTAMINATION PRIOR TO DRILLING: steam/pressure wash

DEVELOPMENT

METHOD OF DEVELOPMENT: peristaltic pump

DEVELOPMENT BEGAN DATE: 2/17/02 TIME: 1504

YEILD: GPM	TIME: FROM	TO	DATE:
YEILD: GPM	TIME: FROM	TO	DATE:
YEILD: GPM	TIME: FROM	TO	DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: 45 GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [X] CLEAR [ ] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER: decayed organic (faint)

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

8 50 lb.	SACKS OF	30/45	SAND
0.5 96 lb.	SACKS OF	Type I Portland	CEMENT
	GALLONS OF GROUT USED		
	SACKS POWDERED BENTONITE		
1 50 lb.	SACKS OF	30/65	SAND
5	FEET OF	1	INCH PVC BLANK CASING
10	FEET OF	1X2	INCH PVC SLOTTED SCREEN

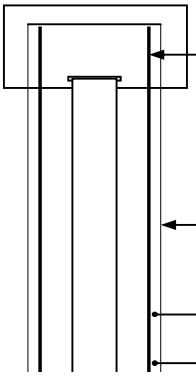
YARD3 CEMENT-SAND (REDI-MIX) ORDERED

YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



[X] SEE "OTHER" BELOW

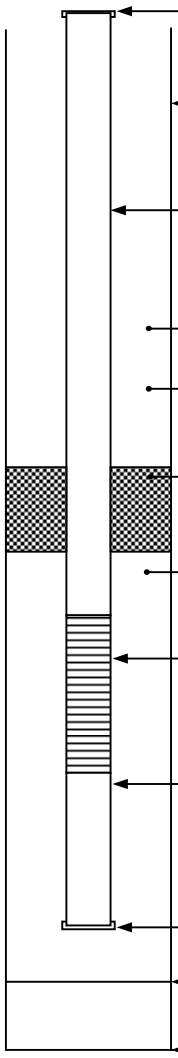
[ ] LOCKING STEEL COVER

__ INCH DIAMETER SCH __ PVC OUTER CASING __ to __ feet

__ INCH DIAMETER BOREHOLE __ to __ feet

[ ] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL __ to __ feet



TOP OF CASING AT 0.2 FEET ABOVE AT / BELOW GROUND LEVEL

8.5 INCH DIAMETER BOREHOLE 0 to 30.5 feet

1 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING 0.2 to 25 feet

[X] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL 0.5 to 21 feet

FINE SAND SEAL 21 to 23 feet

30/45 SAND PACK 23 to 30 feet

1X2 INCH DIAMETER SLOTTED 0.01 INCH SCREEN 25 to 30 feet

__ INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP __ to __ feet

BOTTOM WELL CAP 30 feet

HOLE CLEANED OUT TO 30.5 feet

BOTTOM OF BOREHOLE 30.5 feet

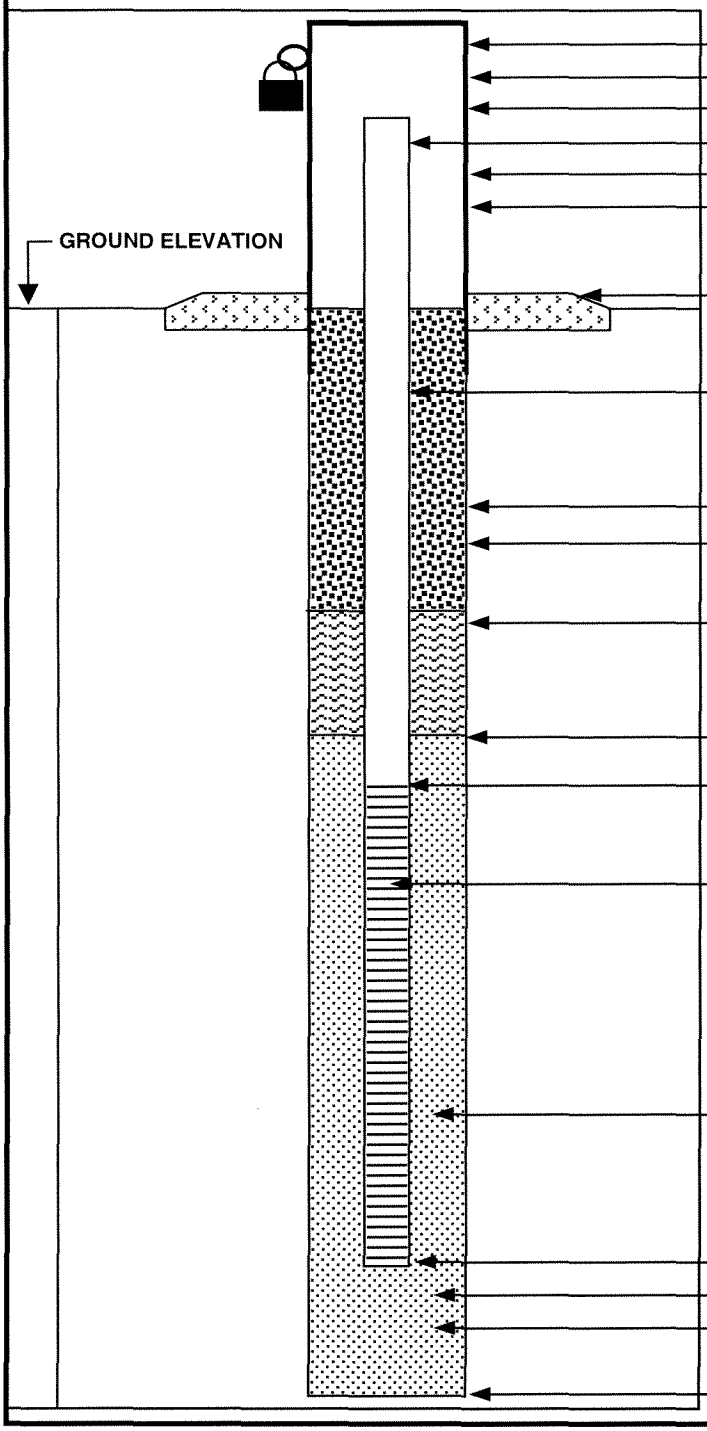
NOT TO SCALE

ADDITIONAL INFORMATION:

WELL NO.: OZD-OU2-30A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC ORLANDO	LOCATION	OU2	DRILLER	Gary Wagner
PROJECT NO.	7457	BORING		METHOD:	
ELEVATION		DATE	2-12-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	pump



ELEVATION OF TOP OF SURFACE CASING:

ELEVATION OF TOP OF RISER PIPE:

STICK-UP TOP OF SURFACE CASING:

STICK-UP OF RISER PIPE: ~~3 FT~~ SB 6/6/02

I.D. OF SURFACE CASING: ~~4" Square~~

TYPE OF SURFACE CASING: ~~Stainless Steel~~ flush-mount (8-in.)

TYPE OF SURFACE SEAL: Concrete

RISER PIPE I.D.: 1"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8.25"

TYPE OF SEAL: ~~30/65 Fine Sand~~ Grout

ELEVATION / DEPTH OF SEAL: 1'

TYPE OF SEAL: 30/65 Fine Sand

DEPTH - TOP OF SAND PACK: 3'

ELEVATION / DEPTH - TOP OF SCREEN: 5'

TYPE OF SCREEN: prepacked PVC

SLOT SIZE X LENGTH: 0.01 x 10

I.D. OF SCREEN: 1" x 2"

TYPE OF SAND PACK: 30/45 Sand

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 15'

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 15'

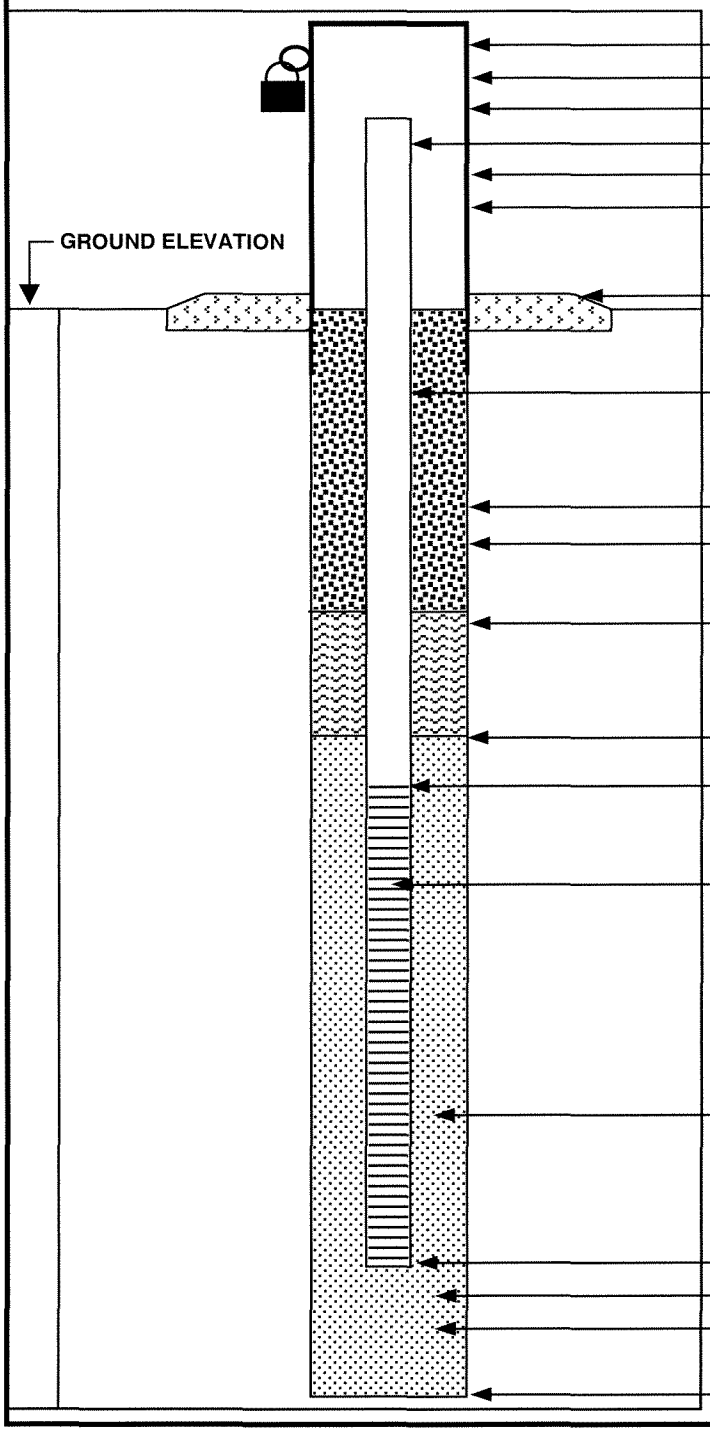
TYPE OF BACKFILL BELOW MONITORING WELL: Sand

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 15'

WELL NO.: OCD-OU2-30B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU2	DRILLER	Larry Wagner
PROJECT NO.	7457	BORING		METHOD:	
ELEVATION		DATE	2-12-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	pump



ELEVATION OF TOP OF SURFACE CASING:

ELEVATION OF TOP OF RISER PIPE:

STICK-UP TOP OF SURFACE CASING:

STICK-UP OF RISER PIPE: ~~3 FT~~ SB 6/10/02

I.D. OF SURFACE CASING: ~~4" Square~~

TYPE OF SURFACE CASING: ~~Stainless Steel~~ 8-in flush mount

TYPE OF SURFACE SEAL: ~~Grout~~ Concrete

RISER PIPE I.D.: 1"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8.25

TYPE OF SEAL: grout

ELEVATION / DEPTH OF SEAL: 21'

TYPE OF SEAL: 30/65 Fine Sand

DEPTH - TOP OF SAND PACK: 23'

ELEVATION / DEPTH - TOP OF SCREEN: 25'

TYPE OF SCREEN: prepacked PVC

SLOT SIZE X LENGTH: 0.01 x 5'

I.D. OF SCREEN: 1" x 2"

TYPE OF SAND PACK: 30/45 Sand

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 30

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 30

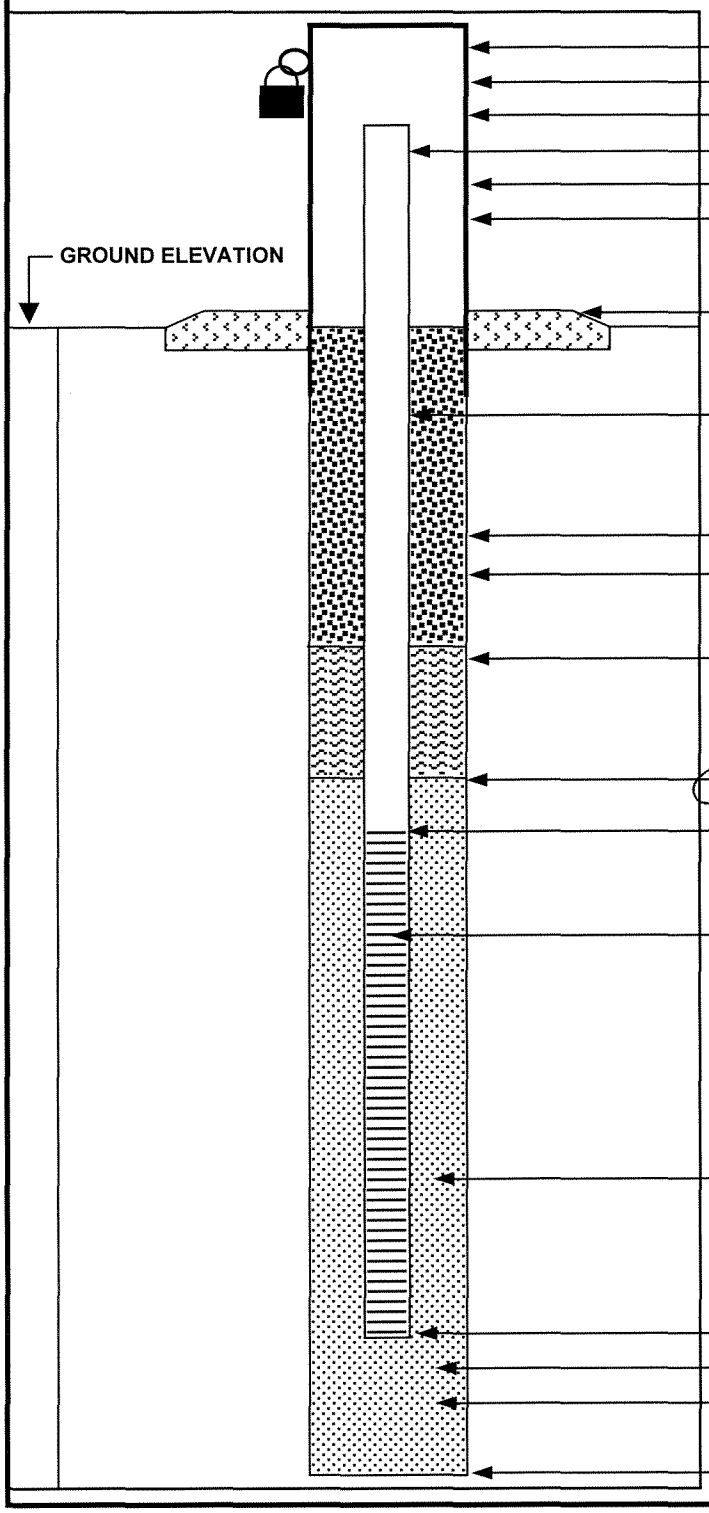
TYPE OF BACKFILL BELOW MONITORING WELL: Sand

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 30

WELL NO.: OLD-OU2-31A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU2	DRILLER	Gary Wagner
PROJECT NO.	7457	BORING		METHOD:	
ELEVATION		DATE	2-13-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	Pump



ELEVATION OF TOP OF SURFACE CASING:

ELEVATION OF TOP OF RISER PIPE:

STICK-UP TOP OF SURFACE CASING:

STICK-UP OF RISER PIPE: 3 ft.

I.D. OF SURFACE CASING: 4" Square

TYPE OF SURFACE CASING: Stainless Steel

TYPE OF SURFACE SEAL: Concrete

RISER PIPE I.D.: 1"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8.25"

TYPE OF SEAL: Grout

ELEVATION / DEPTH OF SEAL: 1'

TYPE OF SEAL: 30/65 fine Sand

DEPTH - TOP OF SAND PACK: 3"

ELEVATION / DEPTH - TOP OF SCREEN: 5"

TYPE OF SCREEN: prepacked PVC

SLOT SIZE X LENGTH: 0.01 X 10

I.D. OF SCREEN: 1" x 2"

TYPE OF SAND PACK: 30/45 Sand

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 15

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 15

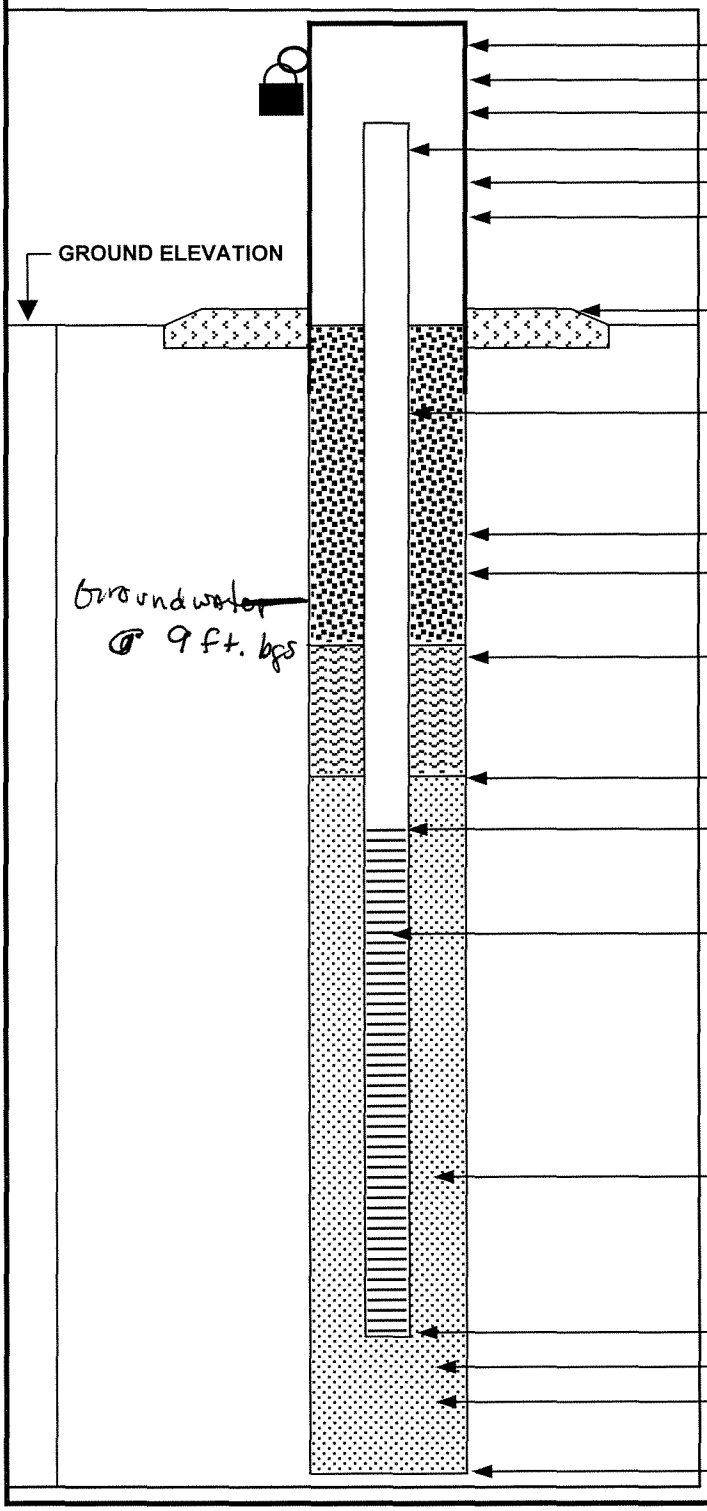
TYPE OF BACKFILL BELOW MONITORING WELL: Sand

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 15

WELL NO.: OLD-OU2-31B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU2	DRILLER	Gary Wagner
PROJECT NO.	7457	BORING		METHOD:	
ELEVATION		DATE	2-13-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	pump



ELEVATION OF TOP OF SURFACE CASING:

ELEVATION OF TOP OF RISER PIPE:

STICK-UP TOP OF SURFACE CASING:

STICK-UP OF RISER PIPE: 3 ft

I.D. OF SURFACE CASING: 4" Square

TYPE OF SURFACE CASING: Stainless Steel

TYPE OF SURFACE SEAL: Concrete

RISER PIPE I.D.: 1"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8.25"

TYPE OF SEAL: Grout

ELEVATION / DEPTH OF SEAL: 21'

TYPE OF SEAL: 30/65 fine Sand

DEPTH - TOP OF SAND PACK: 22'1/2

ELEVATION / DEPTH - TOP OF SCREEN: 25'

TYPE OF SCREEN: prepacked PVC

SLOT SIZE X LENGTH: 0.01 X 5

I.D. OF SCREEN: 1" x 2"

TYPE OF SAND PACK: 30/45 Sand

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 30'

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 30'

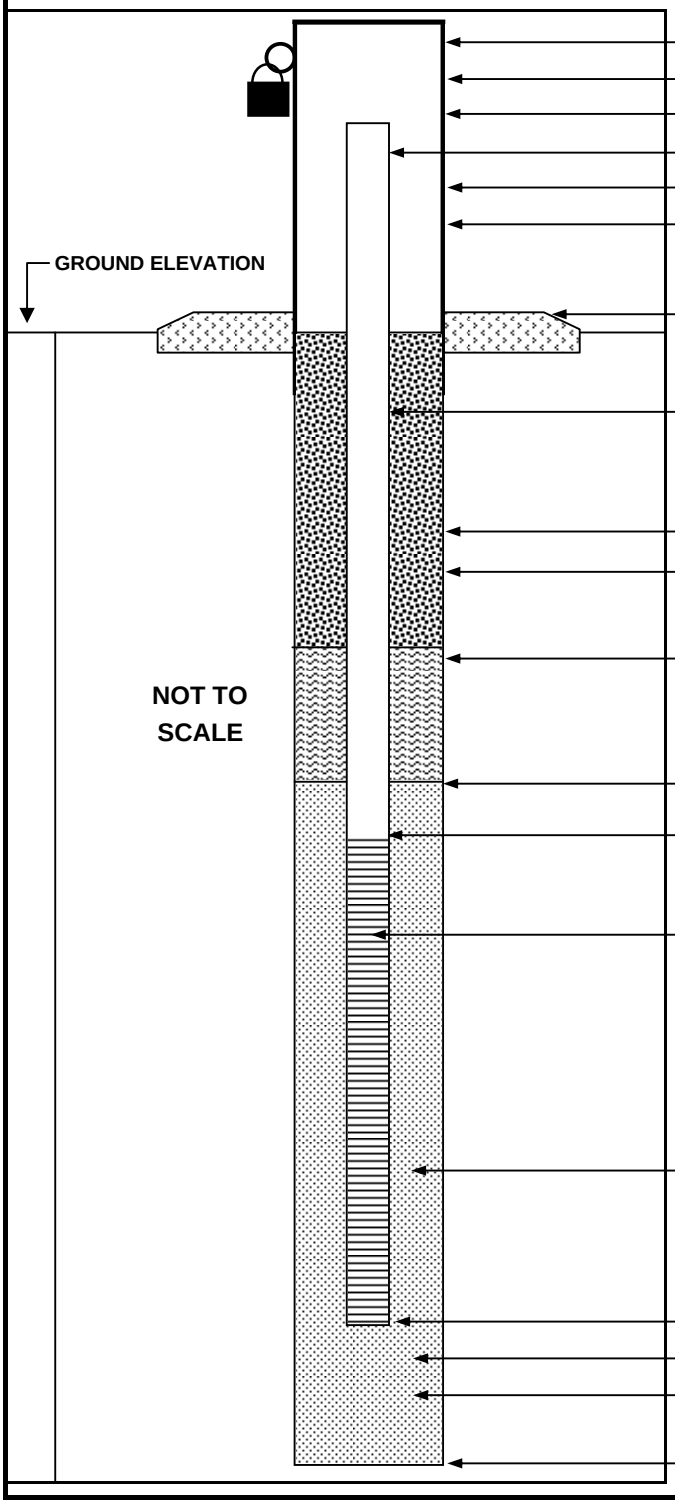
TYPE OF BACKFILL BELOW MONITORING WELL: Sand

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 30'

WELL NO.: OLD-OU2-32A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU2 - McCoy Annex	DRILLER	Gary Wagner-GPI
PROJECT NO.	7457	BORING		METHOD:	
ELEVATION		DATE	11-Feb-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peri. pump

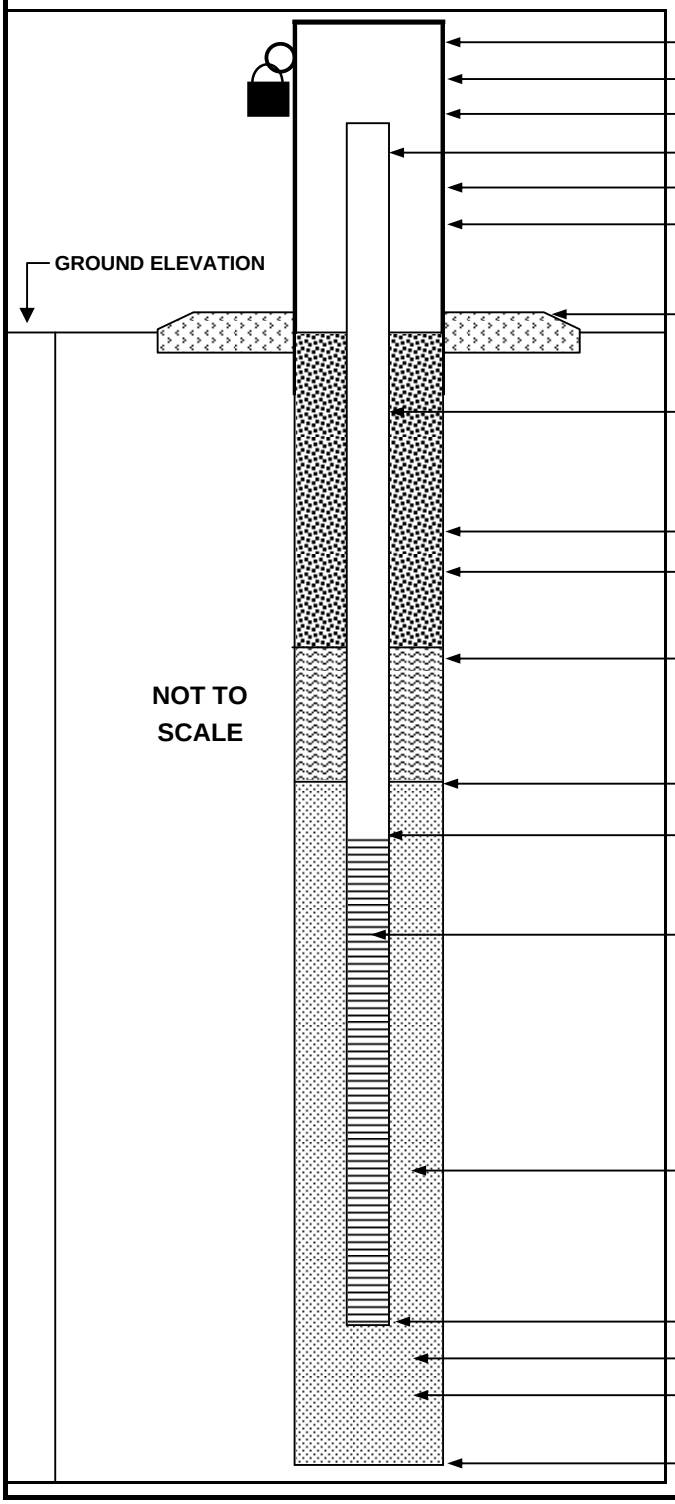


ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3.25 ft
STICK-UP OF RISER PIPE:	3 ft
I.D. OF SURFACE CASING:	4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	concrete (3' X 3' pad)
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.5 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	1 ft
TYPE OF SEAL:	fine sand (30/65)
DEPTH - TOP OF SAND PACK:	3 ft
ELEVATION / DEPTH - TOP OF SCREEN:	5 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.010 in. X 10 ft
I.D. OF SCREEN:	2 in. outer X 1 in. inner
TYPE OF SAND PACK:	30/45 (including pre-packed screen)
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	15 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	15.25 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	15.25 ft

WELL NO.: OLD-OU2-32B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU2 - McCoy Annex	DRILLER	Gary Wagner-GPI
PROJECT NO.	7457	BORING		METHOD:	
ELEVATION		DATE	11-Feb-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peri. pump

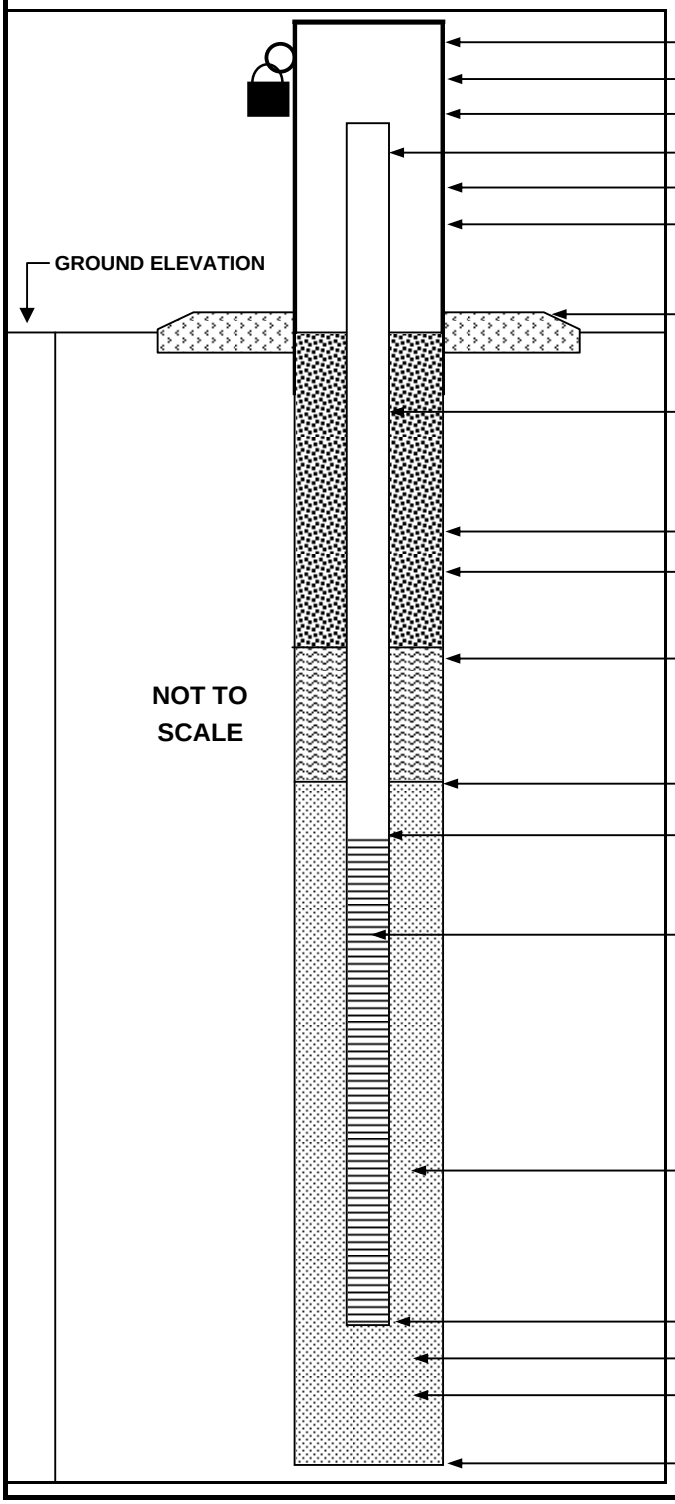


ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3.25 ft
STICK-UP OF RISER PIPE:	3 ft
I.D. OF SURFACE CASING:	4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	concrete (3' X 3' pad)
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.5 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	21 ft
TYPE OF SEAL:	fine sand (30/65)
DEPTH - TOP OF SAND PACK:	23 ft
ELEVATION / DEPTH - TOP OF SCREEN:	25 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.010 in. X 5 ft
I.D. OF SCREEN:	2 in. outer X 1 in. inner
TYPE OF SAND PACK:	30/45 (including pre-packed screen)
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	30 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	30.5 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	30.5 ft

WELL NO.: OLD-OU2-33A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU2 - McCoy Annex	DRILLER	Gary Wagner-GPI
PROJECT NO.	7457	BORING		METHOD:	
ELEVATION		DATE	12-Feb-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peri. pump

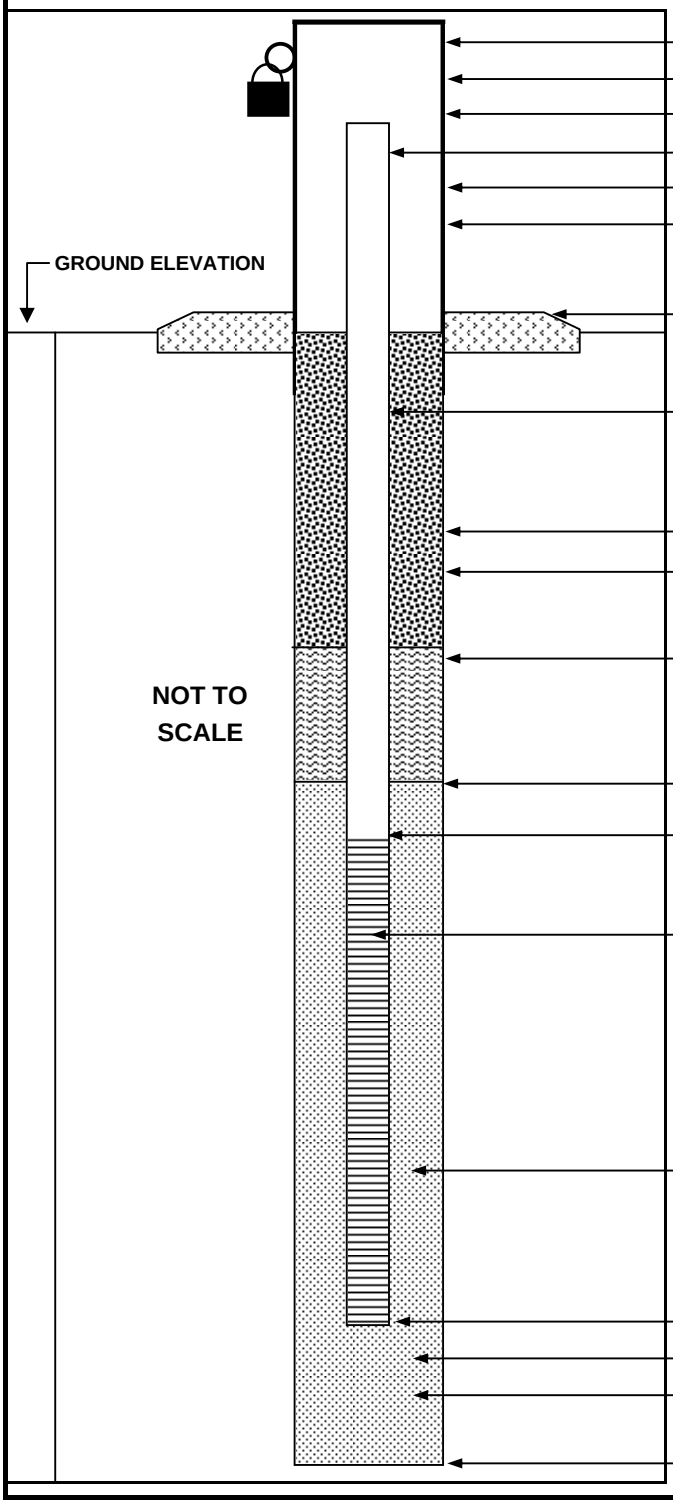


ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3.25 ft
STICK-UP OF RISER PIPE:	3 ft
I.D. OF SURFACE CASING:	4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	concrete (3' X 3' pad)
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.5 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	1 ft
TYPE OF SEAL:	fine sand (30/65)
DEPTH - TOP OF SAND PACK:	3 ft
ELEVATION / DEPTH - TOP OF SCREEN:	5 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.010 in. X 10 ft
I.D. OF SCREEN:	2 in. outer X 1 in. inner
TYPE OF SAND PACK:	30/45 (including pre-packed screen)
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	15 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	15.25 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	15.25 ft

WELL NO.: OLD-OU2-33B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU2 - McCoy Annex	DRILLER	Gary Wagner-GPI
PROJECT NO.	7457	BORING		METHOD:	
ELEVATION		DATE	12-Feb-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peri. pump



ELEVATION OF TOP OF SURFACE CASING:

ELEVATION OF TOP OF RISER PIPE:

STICK-UP TOP OF SURFACE CASING: 3.25 ft

STICK-UP OF RISER PIPE: 3 ft

I.D. OF SURFACE CASING: 4-in. square

TYPE OF SURFACE CASING: stainless steel

TYPE OF SURFACE SEAL: concrete (3' X 3' pad)

RISER PIPE I.D.: 1 in.

TYPE OF RISER PIPE: SCH 40 PVC

BOREHOLE DIAMETER: 8.5 in.

TYPE OF SEAL: Type I portland cement w/ powdered bentonite

ELEVATION / DEPTH OF SEAL: 21 ft

TYPE OF SEAL: fine sand (30/65)

DEPTH - TOP OF SAND PACK: 23 ft

ELEVATION / DEPTH - TOP OF SCREEN: 25 ft

TYPE OF SCREEN: SCH 40 PVC

SLOT SIZE X LENGTH: 0.010 in. X 5 ft

I.D. OF SCREEN: 2 in. outer X 1 in. inner

TYPE OF SAND PACK: 30/45 (including pre-packed screen)

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 30 ft

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 30.5 ft

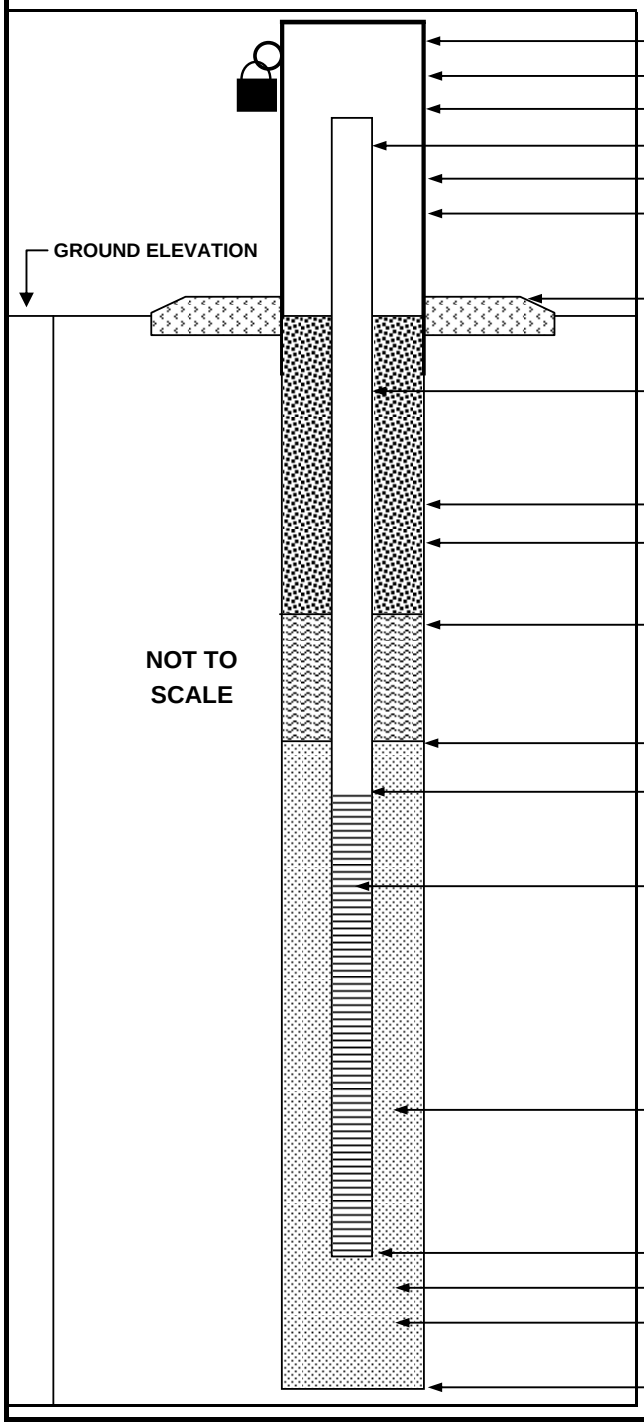
TYPE OF BACKFILL BELOW MONITORING WELL: sand

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 30.5 ft

WELL NO.: OLD-OU2-34A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU2 - McCoy Annex	DRILLER	Gary Wagner-GPI
PROJECT NO.	7457	BORING		METHOD:	
ELEVATION		DATE	14-Feb-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peri. pump



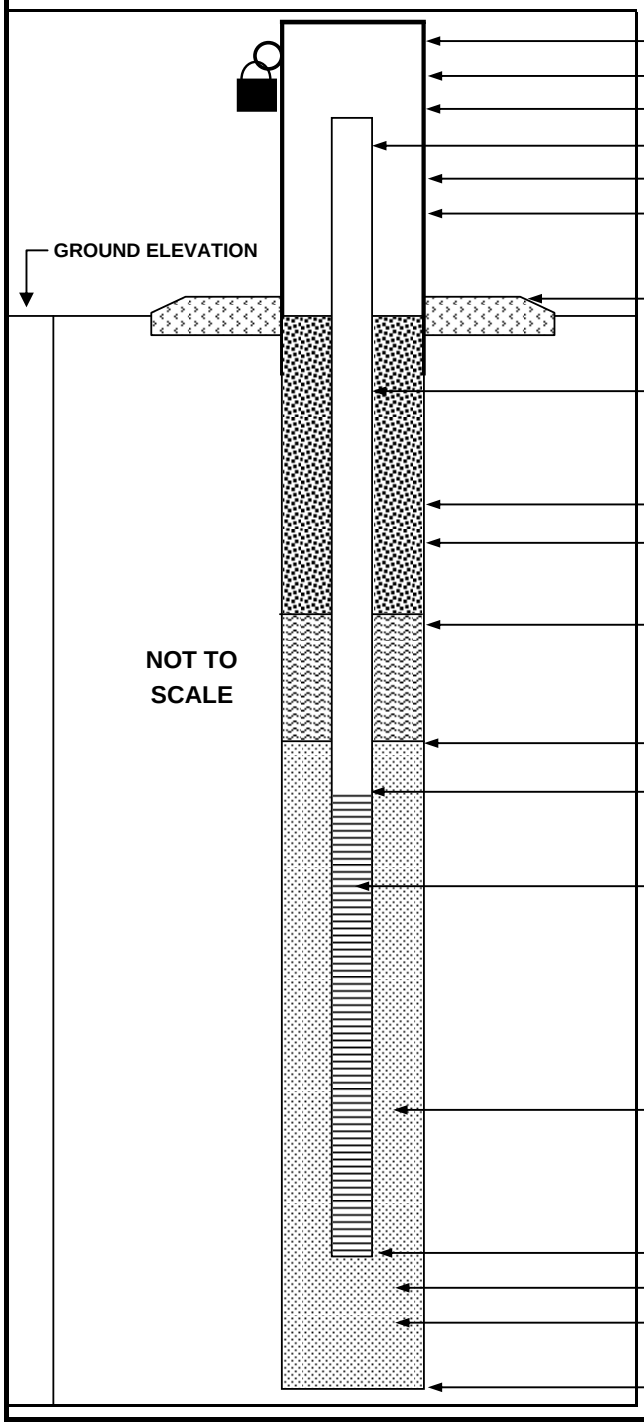
ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3.25 ft
STICK-UP OF RISER PIPE:	3 ft
I.D. OF SURFACE CASING:	4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	concrete (3' X 3' pad)
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.5 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	1 ft
TYPE OF SEAL:	fine sand (30/65)
DEPTH - TOP OF SAND PACK:	3 ft
ELEVATION / DEPTH - TOP OF SCREEN:	5 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.010 in. X 10 ft
I.D. OF SCREEN:	2 in. outer X 1 in. inner
TYPE OF SAND PACK:	30/45 (including pre-packed screen)
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	15 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	15.25 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	15.25 ft

NOTES: Replaces OLD-OU2-01A

WELL NO.: OLD-OU2-35B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU2 - McCoy Annex	DRILLER	Gary Wagner-GPI
PROJECT NO.	7457	BORING		METHOD:	
ELEVATION		DATE	15-Feb-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peri. pump



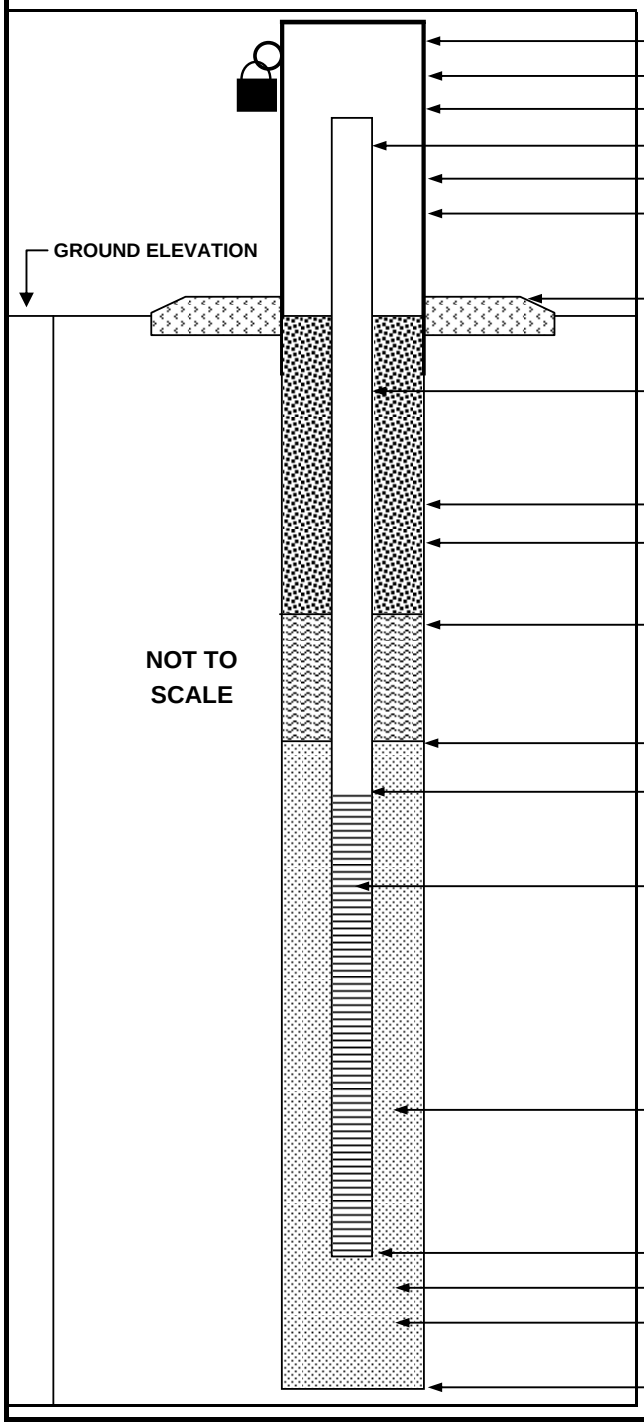
ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3.25 ft
STICK-UP OF RISER PIPE:	3 ft
I.D. OF SURFACE CASING:	4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	concrete (3' X 3' pad)
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.5 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	21.5 ft
TYPE OF SEAL:	fine sand (30/65)
DEPTH - TOP OF SAND PACK:	23 ft
ELEVATION / DEPTH - TOP OF SCREEN:	25 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.010 in. X 5 ft
I.D. OF SCREEN:	2 in. outer X 1 in. inner
TYPE OF SAND PACK:	30/45 (including pre-packed screen)
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	30 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	32.5 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	32.5 ft

NOTES: Replaces OLD-OU2-06B

WELL NO.: OLD-OU2-36A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU2 - McCoy Annex	DRILLER	Gary Wagner-GPI
PROJECT NO.	7457	BORING		METHOD:	
ELEVATION		DATE	14-Feb-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peri. pump



ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3.25 ft
STICK-UP OF RISER PIPE:	3 ft
I.D. OF SURFACE CASING:	4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	concrete (3' X 3' pad)
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.5 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	1 ft
TYPE OF SEAL:	fine sand (30/65)
DEPTH - TOP OF SAND PACK:	3 ft
ELEVATION / DEPTH - TOP OF SCREEN:	5 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.010 in. X 10 ft
I.D. OF SCREEN:	2 in. outer X 1 in. inner
TYPE OF SAND PACK:	30/45 (including pre-packed screen)
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	15 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	15.5 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	cemented sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	15.5 ft

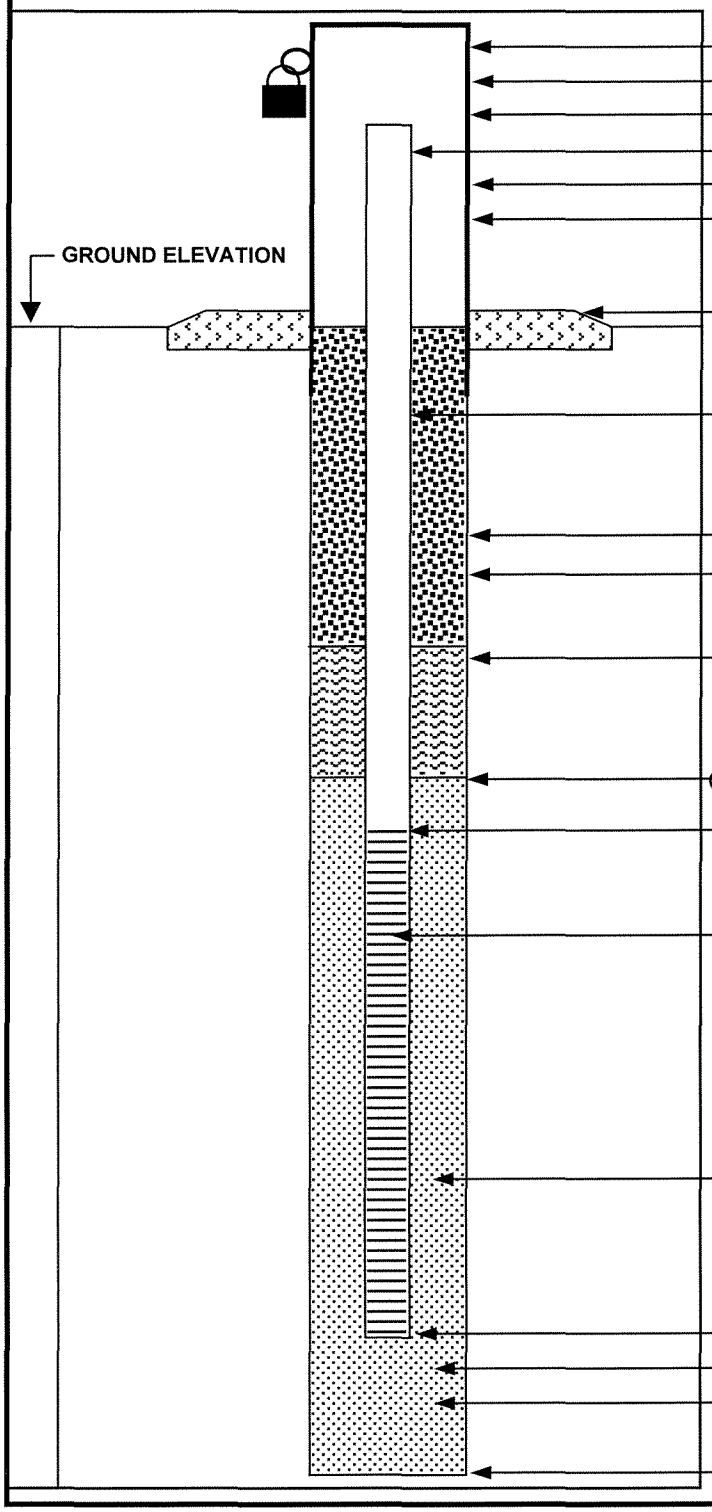
NOTES: Replaces OLD-OU2-07A

* Note - Replaced Well No.: OLD-002-11B

WELL NO.: OLD-002-37B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	002	DRILLER	Gary Wagner
PROJECT NO.	7457	BORING	~~2-12-02~~	METHOD:	
ELEVATION		DATE	2-12-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	pump



ELEVATION OF TOP OF SURFACE CASING:

ELEVATION OF TOP OF RISER PIPE:

STICK-UP TOP OF SURFACE CASING:

STICK-UP OF RISER PIPE: 3'

I.D. OF SURFACE CASING: 4" SQUARE

TYPE OF SURFACE CASING: ~~PVC~~ Stainless Steel

TYPE OF SURFACE SEAL: Concrete

RISER PIPE I.D.: 1"

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8.25"

TYPE OF SEAL: Grout

ELEVATION / DEPTH OF SEAL: 21'

TYPE OF SEAL: 30/65 fine Sand

DEPTH - TOP OF SAND PACK: 23'

ELEVATION / DEPTH - TOP OF SCREEN: 25'

TYPE OF SCREEN: Prepacked PVC

SLOT SIZE X LENGTH: 0.01 X 5'

I.D. OF SCREEN: 1" X 2"

TYPE OF SAND PACK: 30/45 Sand

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 30'

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 30'

TYPE OF BACKFILL BELOW MONITORING WELL: Sand

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 30'

PROJECT NUMBER	WELL NUMBER	
283095.03.01	OLD-OU2-38A	SHEET 1 OF 1

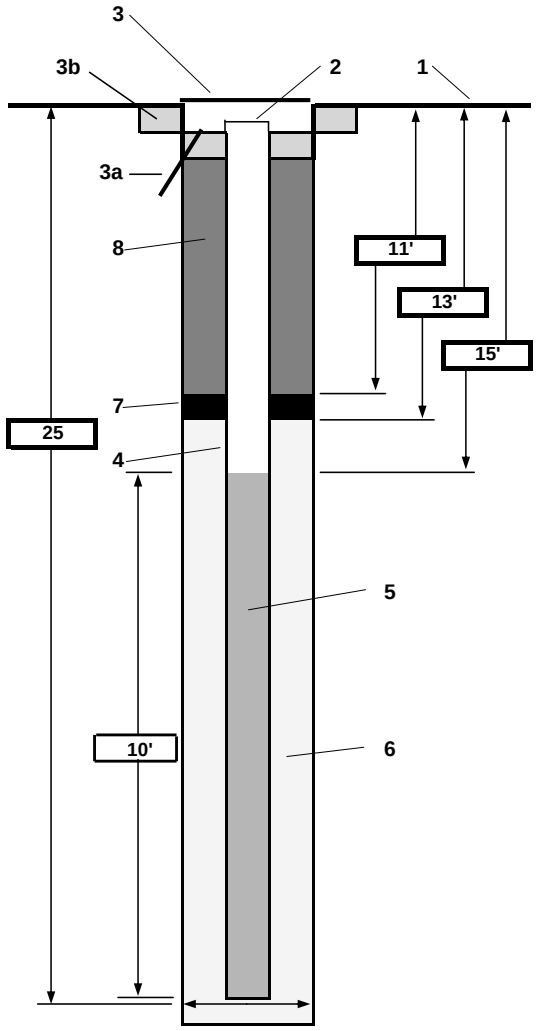
WELL COMPLETION DIAGRAM

PROJECT : O.U. 2 PRB Monitoring System Install LOCATION : NTC McCoy Annex: Orlando, FL

DRILLING CONTRACTOR : Partridge Well Drillers

DRILLING METHOD AND EQUIPMENT USED : 4 1/4" HSA

WATER LEVELS : START : 12/14/2004 END : 12/14/2004 LOGGER : Jeremy Vaughan/CLT



1-	Ground elevation at well	
2-	Top of casing elevation	
3-	Wellhead protection cover type	8"x8" Steel well cover
	a) drain tube?	None
	b) concrete pad dimensions	2'x2'
4-	Dia./type of well casing	2" Schedule PVC 40
5-	Type/slot size of screen	0.01" Slot PVC Schedule 40
6-	Type screen filter	20/30 sand
	a) Quantity used	6 bags
7-	Type of seal	3/8" Bentonite Holeplug
	a) Quantity used	1/2 bag
8-	Grout	
	a) Grout mix used	95% Portland Type I, 5% Bentonite Gel
	b) Method of placement	Pump through tremie pipe
	c) Vol. of well casing grout	
	Development method	Grundfos Rediflo 2
	Development time	50 minutes
	Estimated purge volume	80 gallons
	Comments:	

PROJECT NUMBER	WELL NUMBER	
283095.03.01	OLD-OU2-38B	SHEET 1 OF 1

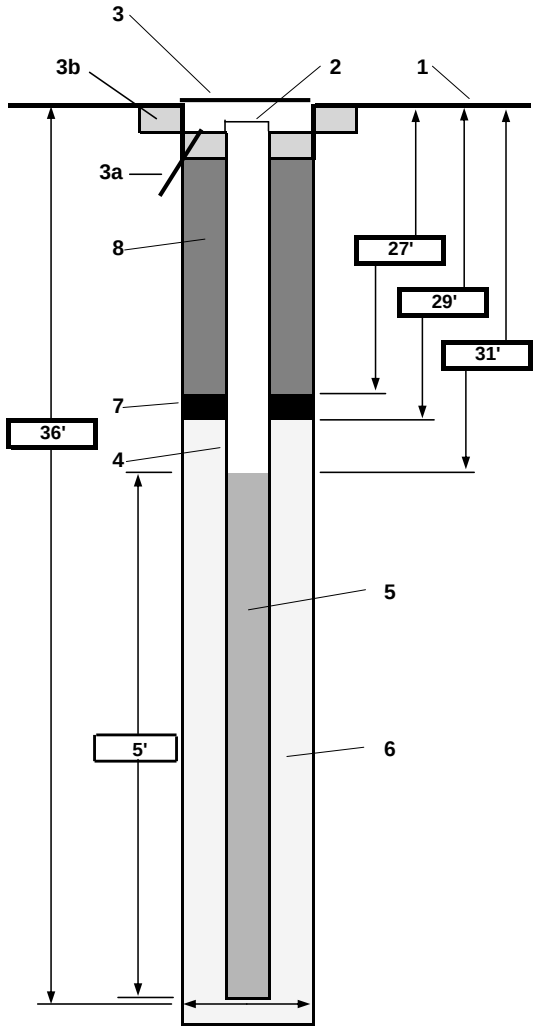
WELL COMPLETION DIAGRAM

PROJECT : O.U. 2 PRB Monitoring System Install LOCATION : NTC McCoy Annex: Orlando, FL

DRILLING CONTRACTOR : Partridge Well Drillers

DRILLING METHOD AND EQUIPMENT USED : 4 1/4" HSA

WATER LEVELS : START : 12/14/2004 END : 12/14/2004 LOGGER : WGE



1-	Ground elevation at well	
2-	Top of casing elevation	
3-	Wellhead protection cover type	8"x8" Steel well cover
	a) drain tube?	None
	b) concrete pad dimensions	2'x2'
4-	Dia./type of well casing	2" Schedule PVC 40
5-	Type/slot size of screen	0.01" Slot PVC Schedule 40
6-	Type screen filter	20/30 sand
	a) Quantity used	3.5 bags
7-	Type of seal	Fine sand
	a) Quantity used	2'
8-	Grout	
	a) Grout mix used	95% Portland Type I, 5% Bentonite Gel
	b) Method of placement	Pump through tremie pipe
	c) Vol. of well casing grout	
	Development method	Grundfos Rediflo 2
	Development time	60 minutes
	Estimated purge volume	80 gallons

Comments: No bentonite seal was placed. Instead of bentonite, fine sand was placed for a transition seal. Grout intrusion through the fine sand seal was not exhibited during well development

PROJECT NUMBER	WELL NUMBER	
283095.03.01	OLD-OU2-39A	SHEET 1 OF 1

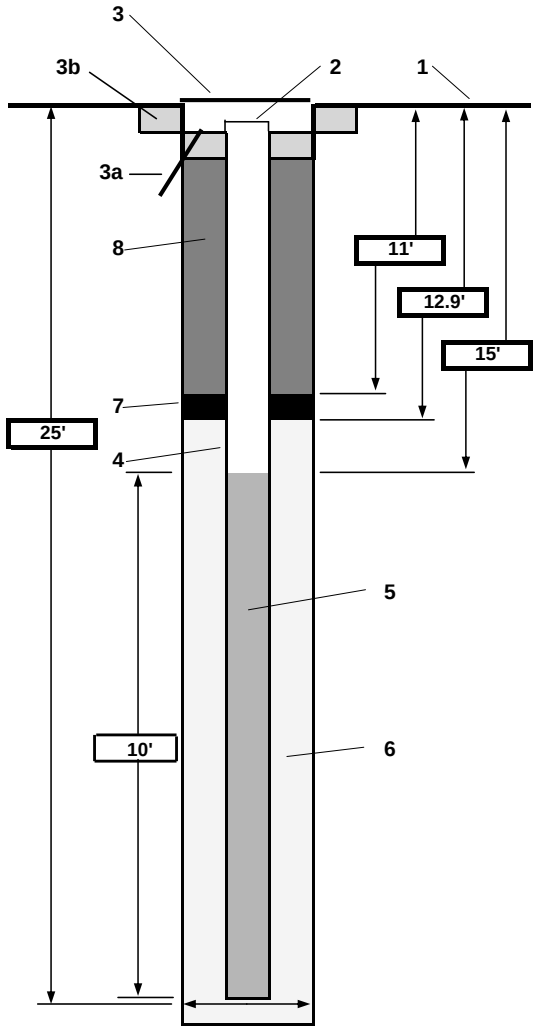
WELL COMPLETION DIAGRAM

PROJECT : O.U. 2 PRB Monitoring System Install LOCATION : NTC McCoy Annex: Orlando, FL

DRILLING CONTRACTOR : Partridge Well Drillers

DRILLING METHOD AND EQUIPMENT USED : 4 1/4" HSA

WATER LEVELS : START : 12/16/2004 END : 12/16/2004 LOGGER : Jeremy Vaughan/CLT



1-	Ground elevation at well	
2-	Top of casing elevation	
3-	Wellhead protection cover type	8"x8" Steel well cover
	a) drain tube?	None
	b) concrete pad dimensions	2'x2'
4-	Dia./type of well casing	2" Schedule PVC 40
5-	Type/slot size of screen	0.01" Slot PVC Schedule 40
6-	Type screen filter	20/30 sand
	a) Quantity used	7 bags
7-	Type of seal	3/8" Bentonite Holeplug
	a) Quantity used	
8-	Grout	
	a) Grout mix used	95% Portland Type I, 5% Bentonite Gel
	b) Method of placement	Pour
	c) Vol. of well casing grout	
	Development method	Grundfos Rediflo 2
	Development time	
	Estimated purge volume	
	Comments:	

PROJECT NUMBER	WELL NUMBER	
283095.03.01	OLD-OU2-39B	SHEET 1 OF 1

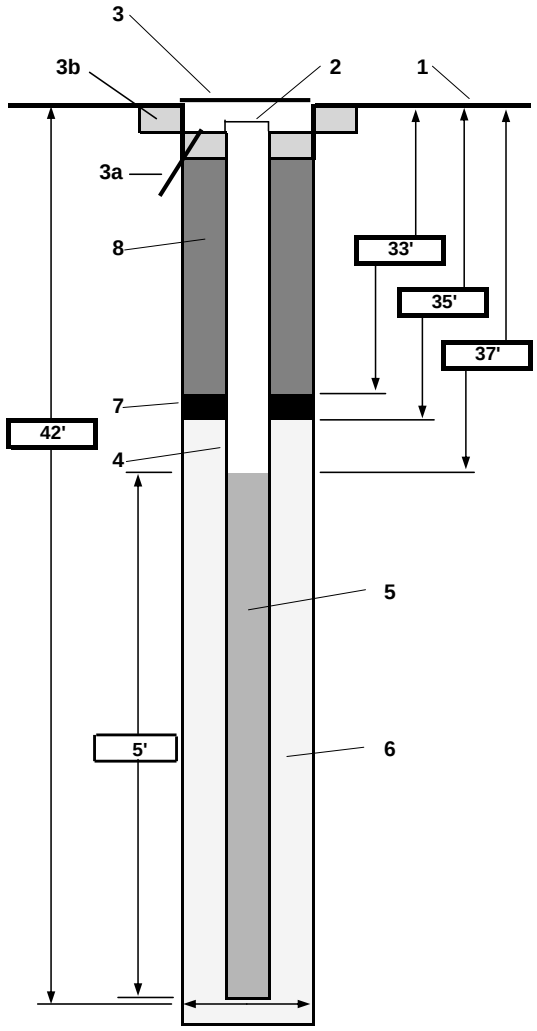
WELL COMPLETION DIAGRAM

PROJECT : O.U. 2 PRB Monitoring System Install LOCATION : NTC McCoy Annex: Orlando, FL

DRILLING CONTRACTOR : Partridge Well Drillers

DRILLING METHOD AND EQUIPMENT USED : 4 1/4" HSA

WATER LEVELS : START : 12/16/2004 END : 12/16/2004 LOGGER : Jeremy Vaughan/CLT



1-	Ground elevation at well	
2-	Top of casing elevation	
3-	Wellhead protection cover type	8"x8" Steel well cover
	a) drain tube?	None
	b) concrete pad dimensions	2'x2'
4-	Dia./type of well casing	2" Schedule PVC 40
5-	Type/slot size of screen	0.01" Slot PVC Schedule 40
6-	Type screen filter	20/30 sand
	a) Quantity used	3.5 bags
7-	Type of seal	3/8" Bentonite Holeplug
	a) Quantity used	1/2 bag
8-	Grout	
	a) Grout mix used	95% Portland Type I, 5% Bentonite Gel
	b) Method of placement	Pump through tremie pipe
	c) Vol. of well casing grout	
	Development method	Grundfos Rediflo 2
	Development time	
	Estimated purge volume	
	Comments:	

PROJECT NUMBER	WELL NUMBER	
283095.03.01	OLD-OU2-40A	SHEET 1 OF 1

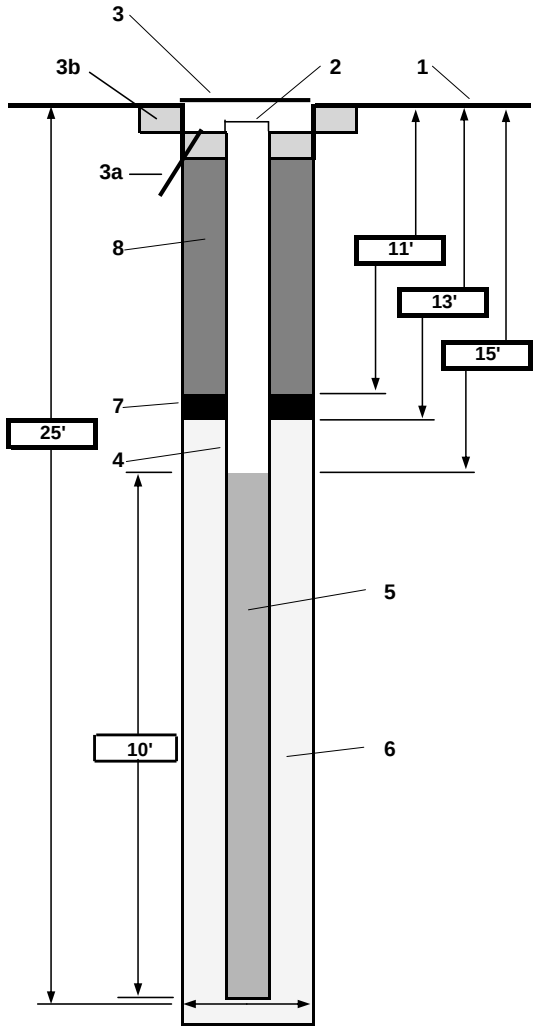
WELL COMPLETION DIAGRAM

PROJECT : O.U. 2 PRB Monitoring System Install LOCATION : NTC McCoy Annex: Orlando, FL

DRILLING CONTRACTOR : Partridge Well Drillers

DRILLING METHOD AND EQUIPMENT USED : 4 1/4" HSA

WATER LEVELS : START : 12/15/2004 END : 12/15/2004 LOGGER : Jeremy Vaughan/CLT



1-	Ground elevation at well	
2-	Top of casing elevation	
3-	Wellhead protection cover type	8"x8" Steel well cover
	a) drain tube?	None
	b) concrete pad dimensions	2'x2'
4-	Dia./type of well casing	2" Schedule PVC 40
5-	Type/slot size of screen	0.01" Slot PVC Schedule 40
6-	Type screen filter	20/30 sand
	a) Quantity used	6 bags
7-	Type of seal	3/8" Bentonite Holeplug
	a) Quantity used	1/2 bag
8-	Grout	
	a) Grout mix used	95% Portland Type I, 5% Bentonite Gel
	b) Method of placement	Pump through tremie pipe
	c) Vol. of well casing grout	
	Development method	Grundfos Rediflo 2
	Development time	1 hr. 40 min.
	Estimated purge volume	165 gallons
	Comments:	

PROJECT NUMBER	WELL NUMBER	
283095.03.01	OLD-OU2-40B	SHEET 1 OF 1

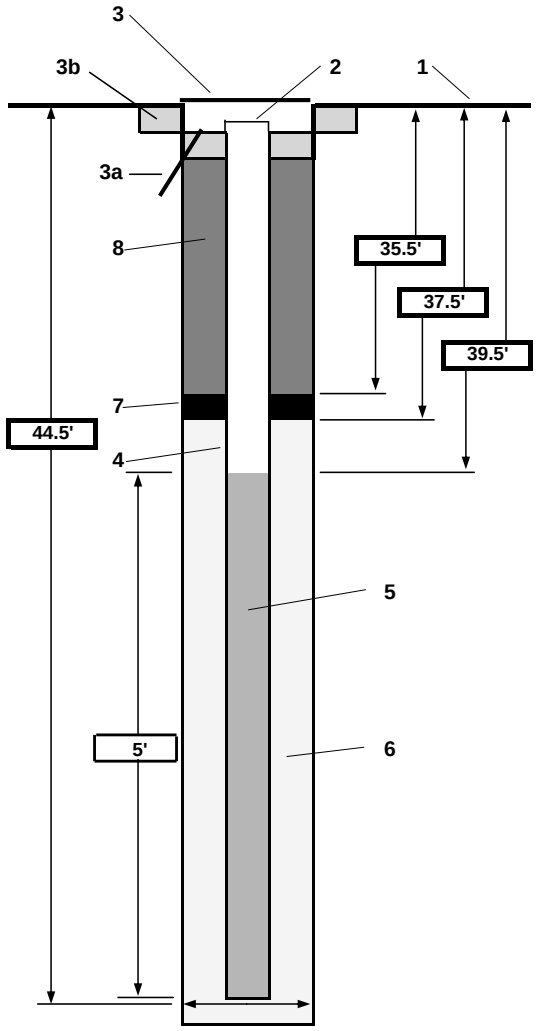
WELL COMPLETION DIAGRAM

PROJECT : O.U. 2 PRB Monitoring System Install LOCATION : NTC McCoy Annex: Orlando, FL

DRILLING CONTRACTOR : Partridge Well Drillers

DRILLING METHOD AND EQUIPMENT USED : 4 1/4" HSA

WATER LEVELS : START : 12/16/2004 END : 12/16/2004 LOGGER : Jeremy Vaughan/CLT



1-	Ground elevation at well	
2-	Top of casing elevation	
3-	Wellhead protection cover type	8"x8" Steel well cover
	a) drain tube?	None
	b) concrete pad dimensions	2'x2'
4-	Dia./type of well casing	2" Schedule PVC 40
5-	Type/slot size of screen	0.01" Slot PVC Schedule 40
6-	Type screen filter	20/30 sand
	a) Quantity used	3.5 bags
7-	Type of seal	3/8" Bentonite Holeplug
	a) Quantity used	~1/4 bag
8-	Grout	
	a) Grout mix used	95% Portland Type I, 5% Bentonite Gel
	b) Method of placement	Pump through tremie pipe
	c) Vol. of well casing grout	
	Development method	Grundfos Rediflo 2
	Development time	1 hr. 5 min.
	Estimated purge volume	110 gallons
	Comments:	

PROJECT NUMBER	WELL NUMBER	
283095.03.01	OLD-OU2-41A	SHEET 1 OF 1

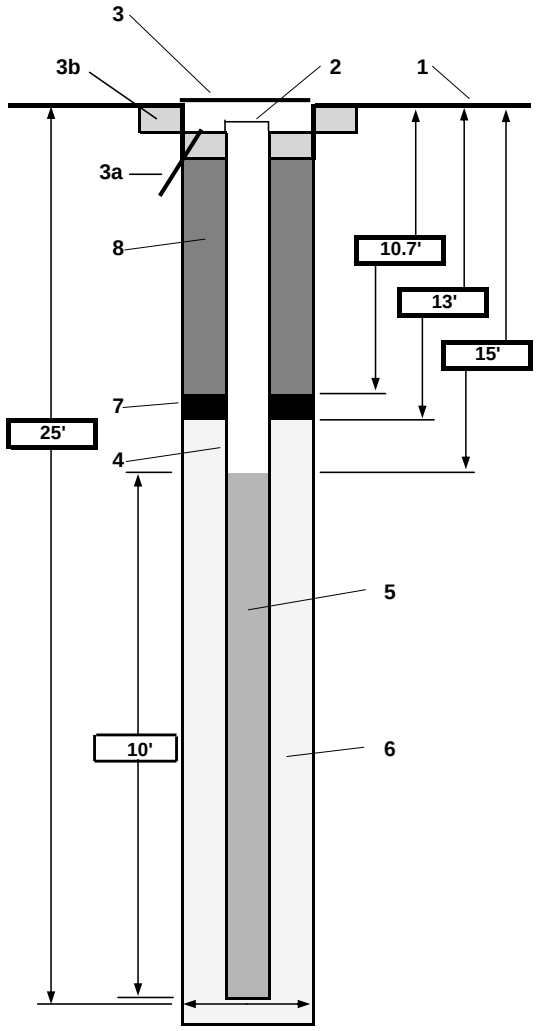
WELL COMPLETION DIAGRAM

PROJECT : O.U. 2 PRB Monitoring System Install LOCATION : NTC McCoy Annex: Orlando, FL

DRILLING CONTRACTOR : Partridge Well Drillers

DRILLING METHOD AND EQUIPMENT USED : 4 1/4" HSA

WATER LEVELS : START : 12/15/2004 END : 12/15/2004 LOGGER : Jeremy Vaughan/CLT



1-	Ground elevation at well	
2-	Top of casing elevation	
3-	Wellhead protection cover type	8"x8" Steel well cover
	a) drain tube?	None
	b) concrete pad dimensions	2'x2'
4-	Dia./type of well casing	2" Schedule PVC 40
5-	Type/slot size of screen	0.01" Slot PVC Schedule 40
6-	Type screen filter	20/30 sand
	a) Quantity used	7 bags
7-	Type of seal	3/8" Bentonite Holeplug
	a) Quantity used	1/2 bag
8-	Grout	
	a) Grout mix used	95% Portland Type I, 5% Bentonite Gel
	b) Method of placement	Pump through tremie pipe
	c) Vol. of well casing grout	
	Development method	Grundfos Rediflo 2
	Development time	1 hr. 20 min.
	Estimated purge volume	110 gallons
	Comments:	

PROJECT NUMBER	WELL NUMBER	
283095.03.01	OLD-OU2-41B	SHEET 1 OF 1

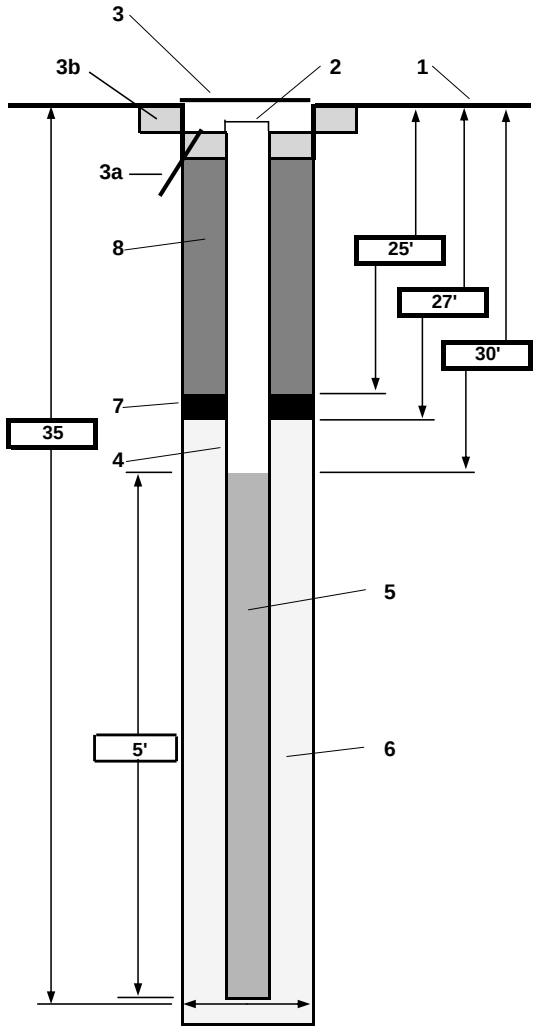
WELL COMPLETION DIAGRAM

PROJECT : O.U. 2 PRB Monitoring System Install LOCATION : NTC McCoy Annex: Orlando, FL

DRILLING CONTRACTOR : Partridge Well Drillers

DRILLING METHOD AND EQUIPMENT USED : 4 1/4" HSA

WATER LEVELS : START : 12/15/2004 END : 12/15/2004 LOGGER : Jeremy Vaughan/CLT



1-	Ground elevation at well	
2-	Top of casing elevation	
3-	Wellhead protection cover type	8"x8" Steel well cover
	a) drain tube?	None
	b) concrete pad dimensions	2'x2'
4-	Dia./type of well casing	2" Schedule PVC 40
5-	Type/slot size of screen	0.01" Slot PVC Schedule 40
6-	Type screen filter	20/30 sand
	a) Quantity used	3.5 bags
7-	Type of seal	3/8" Bentonite Holeplug
	a) Quantity used	1/2 bag
8-	Grout	
	a) Grout mix used	95% Portland Type I, 5% Bentonite Gel
	b) Method of placement	Pump through tremie pipe
	c) Vol. of well casing grout	
	Development method	Grundfos Rediflo 2
	Development time	50 min.
	Estimated purge volume	110 gallons
	Comments:	

PROJECT NUMBER	WELL NUMBER	
283095.04.03	OLDOU2-42B	SHEET 1 OF 1

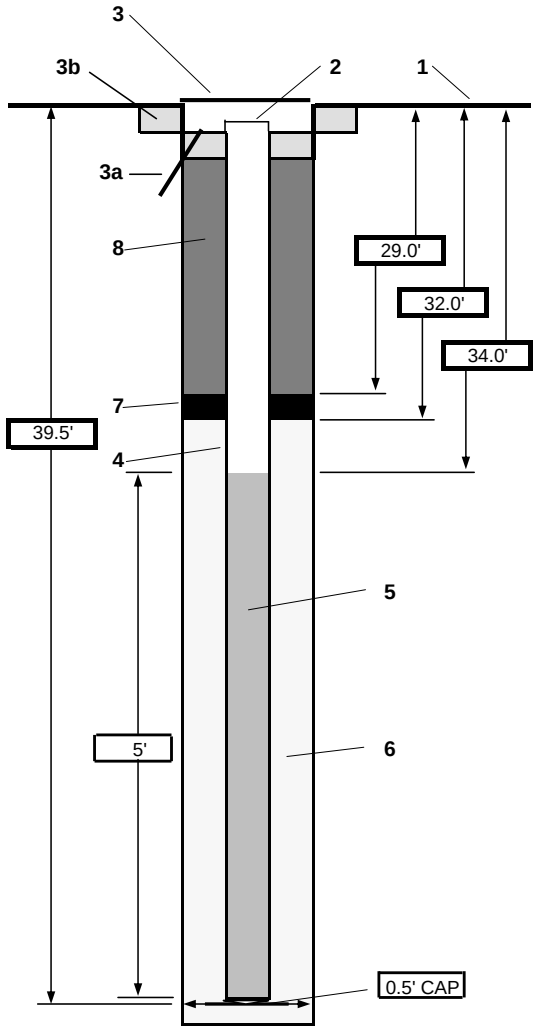
WELL COMPLETION DIAGRAM

PROJECT : **NTC ORLANDO** LOCATION : **OU2**

DRILLING CONTRACTOR : **PARTRIDGE**

DRILLING METHOD AND EQUIPMENT USED : DRILLMASTER HOLLOW STEM AUGER 4 1/4 "ID H.S.A

WATER LEVELS : START : **4/21/05** END : **4/21/05** LOGGER : **W. ELLIOTT**



1-	Ground elevation at well	TBD
2-	Top of casing elevation	TBD
3-	Wellhead protection cover type	FLUSH STEEL MANHOLE
	a) drain tube?	NO
	b) concrete pad dimensions	2' X 2' X 4"
4-	Dia./type of well casing	2" FLUSH THREAT SCH. 40 PVC
5-	Type/slot size of screen	2" SLOT SCH. 40 PVC X 5' X 0.01" SLOT
6-	Type screen filter	20/30 STANDARD SILICA
	a) Quantity used	
7-	Type of seal	3/8" BENTONITE CHIPS
	a) Quantity used	
8-	Grout	
	a) Grout mix used	TYPE I-II PORTLAND
	b) Method of placement	
	c) Vol. of well casing grout	
	Development method	GRUNDFOS PUMP
	Development time	
	Estimated purge volume	50+ GAL

Comments PUMPED 50 GALLONDS OUT DURING INSTALLATION

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-43A	SHEET 1 OF 1

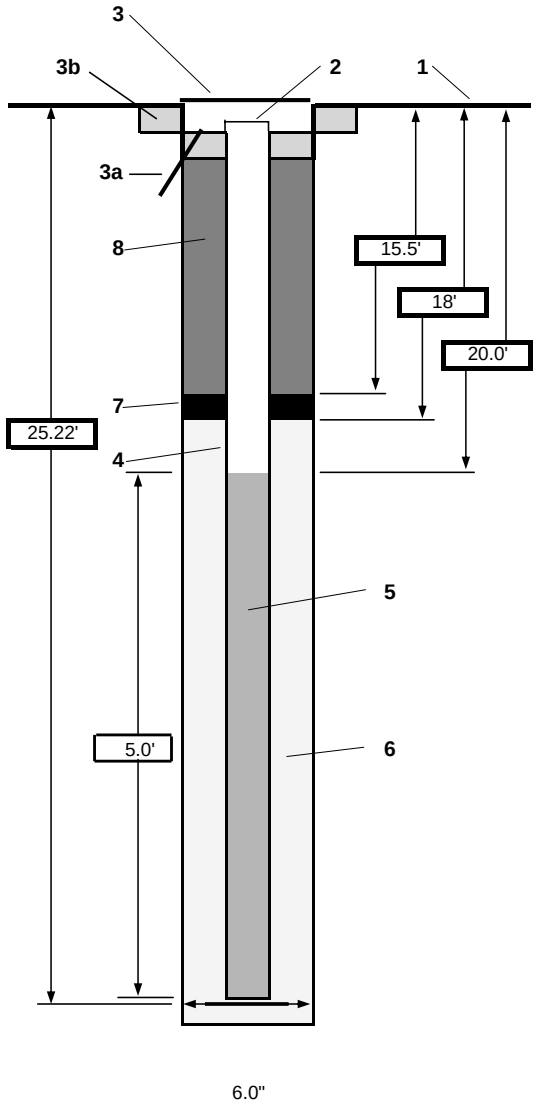
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484237.09

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545719.465

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 5-30-2007 END : 5-30-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.691
2-	Top of casing elevation	89.48
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block / Submersible pump
	Development time	
	Estimated purge volume	

Comments No lithologic data collected

PROJECT NUMBER	WELL NUMBER	
283095.04.03	OLDOU2-43B	SHEET 1 OF 1

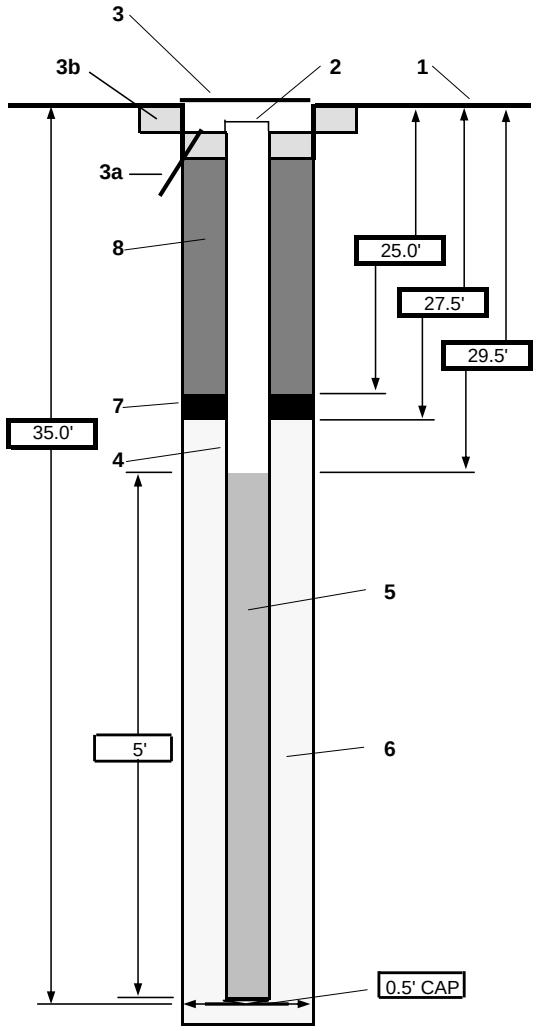
WELL COMPLETION DIAGRAM

PROJECT : **NTC ORLANDO** LOCATION : **OU2**

DRILLING CONTRACTOR : **PARTRIDGE**

DRILLING METHOD AND EQUIPMENT USED : DRILLMASTER HOLLOW STEM AUGER 4 1/4 "ID H.S.A

WATER LEVELS : START : **4/20/05** END : LOGGER : **W. ELLIOTT**



1- Ground elevation at well: TBD

2- Top of casing elevation: TBD

3- Wellhead protection cover type: FLUSH STEEL MANHOLE
a) drain tube? NO
b) concrete pad dimensions 2' X 2' X 4"

4- Dia./type of well casing: 2" FLUSH THREAT SCH. 40 PVC

5- Type/slot size of screen: 2" SLOT SCH. 40 PVC X 5' X 0.01" SLOT

6- Type screen filter: 20/30 STANDARD SILICA
a) Quantity used

7- Type of seal: 3/8" BENTONITE CHIPS
a) Quantity used

8- Grout
a) Grout mix used: TYPE I-II PORTLAND
b) Method of placement
c) Vol. of well casing grout

Development method: GRUNDFOS PUMP

Development time

Estimated purge volume: 50+ GAL

Comments: PUMPED 50 GALLONDS OUT DURING INSTALLATION

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-44A	SHEET 1 OF 1

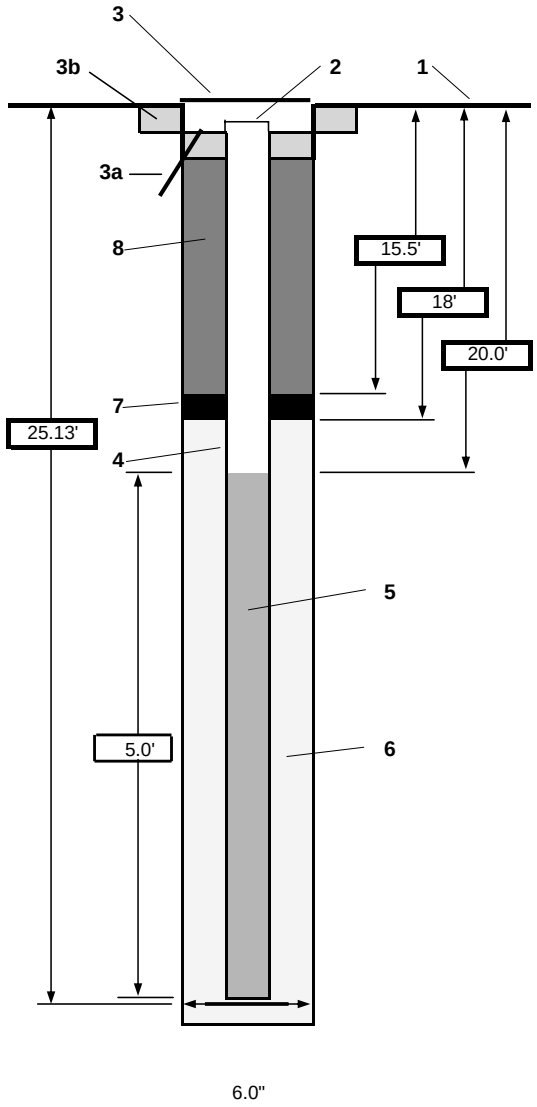
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484040.774

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545715.634

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 5-30-2007 END : 5-30-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.536
2-	Top of casing elevation	89.40
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block / Submersible pump
	Development time	
	Estimated purge volume	

Comments No lithologic data collected

PROJECT NUMBER	WELL NUMBER	
283095.04.03	OLDOU2-44B	SHEET 1 OF 1

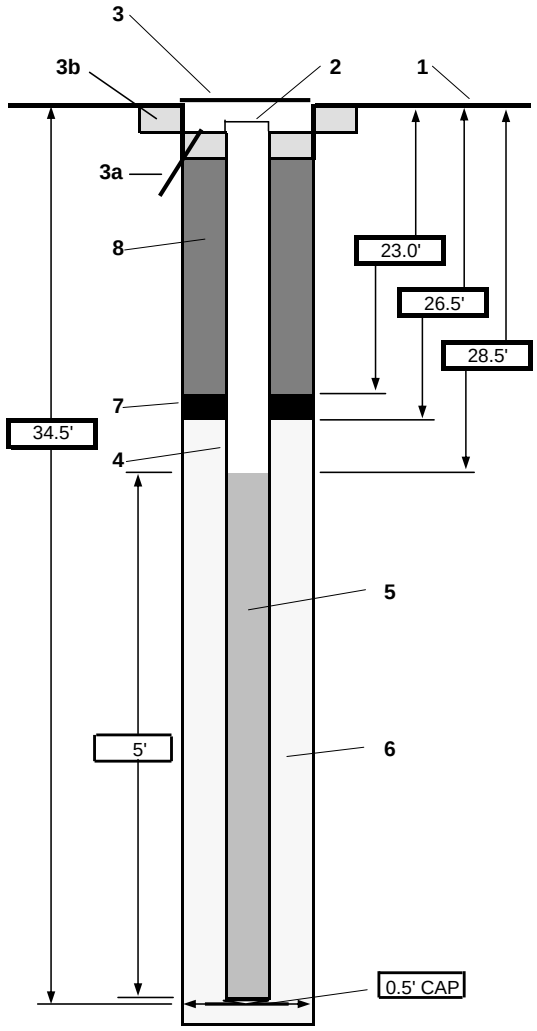
WELL COMPLETION DIAGRAM

PROJECT : **NTC ORLANDO** LOCATION : **OU2**

DRILLING CONTRACTOR : **PARTRIDGE**

DRILLING METHOD AND EQUIPMENT USED : DRILLMASTER HOLLOW STEM AUGER 4 1/4 " D

WATER LEVELS : START : **4/19/05** END : **4/19/05** LOGGER : **W. ELLIOTT**



1-	Ground elevation at well	TBD
2-	Top of casing elevation	TBD
3-	Wellhead protection cover type	STEEL MANHOLE
	a) drain tube?	NO
	b) concrete pad dimensions	2' X 2' X 4"
4-	Dia./type of well casing	2" FLUSH THREAT SCH. 40 PVC
5-	Type/slot size of screen	2" FLUSH THREAT SCH. 40 PVC X 5' X 0.01" SLOT
6-	Type screen filter	20/30 STANDARD SILICA
	a) Quantity used	3+ BAGS
7-	Type of seal	BENTONITE HOLEPLUG 3/8"
	a) Quantity used	
8-	Grout	
	a) Grout mix used	TYPE I-II PORTLAND
	b) Method of placement	
	c) Vol. of well casing grout	
	Development method	GRUNDFOS PUMP
	Development time	
	Estimated purge volume	50+ GAL

Comments PUMPED 50 GALLONDS OUT DURING INSTALLATION

PROJECT NUMBER	WELL NUMBER	
283095.04.03	OLDOU2-45B	SHEET 1 OF 1

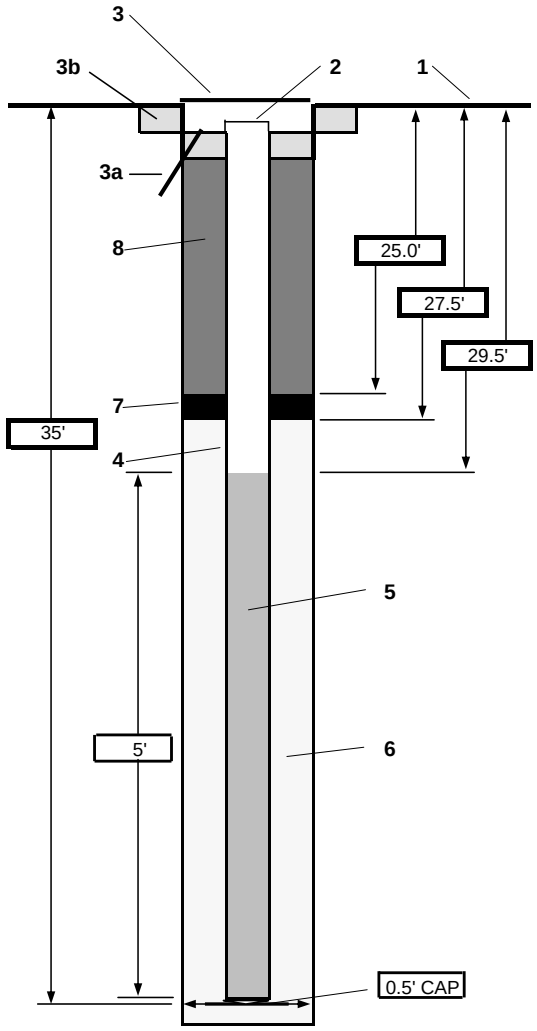
WELL COMPLETION DIAGRAM

PROJECT : **NTC ORLANDO** LOCATION : **OU2**

DRILLING CONTRACTOR : **PARTRIDGE**

DRILLING METHOD AND EQUIPMENT USED : DRILMASTER HOLLOW STEM AUGER 4 1/4 " D

WATER LEVELS : START : **4/19/05** END : **4/19/05** LOGGER : **W. ELLIOTT**



1-	Ground elevation at well	TBD
2-	Top of casing elevation	TBD
3-	Wellhead protection cover type	STEEL MANHOLE
	a) drain tube?	NO
	b) concrete pad dimensions	2' X 2' X 4"
4-	Dia./type of well casing	2" FLUSH THREAD SCH. 40 PVC
5-	Type/slot size of screen	2" FLUSH THREAD SCH. 40 PVC X 5' X 0.01" SLOT
6-	Type screen filter	20/30 STANDARD SILICA
	a) Quantity used	
7-	Type of seal	BENTONITE HOLEPLUG 3/8"
	a) Quantity used	
8-	Grout	
	a) Grout mix used	TYPE I-II PORTLAND
	b) Method of placement	TREMIE/PUMP
	c) Vol. of well casing grout	
	Development method	GRUNDFOS PUMP
	Development time	
	Estimated purge volume	55+

Comments 55 GALLON + REMOVED WITH DIAPHRAGM PUMP DURING INSTALLATION

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-46A	SHEET 1 OF 1

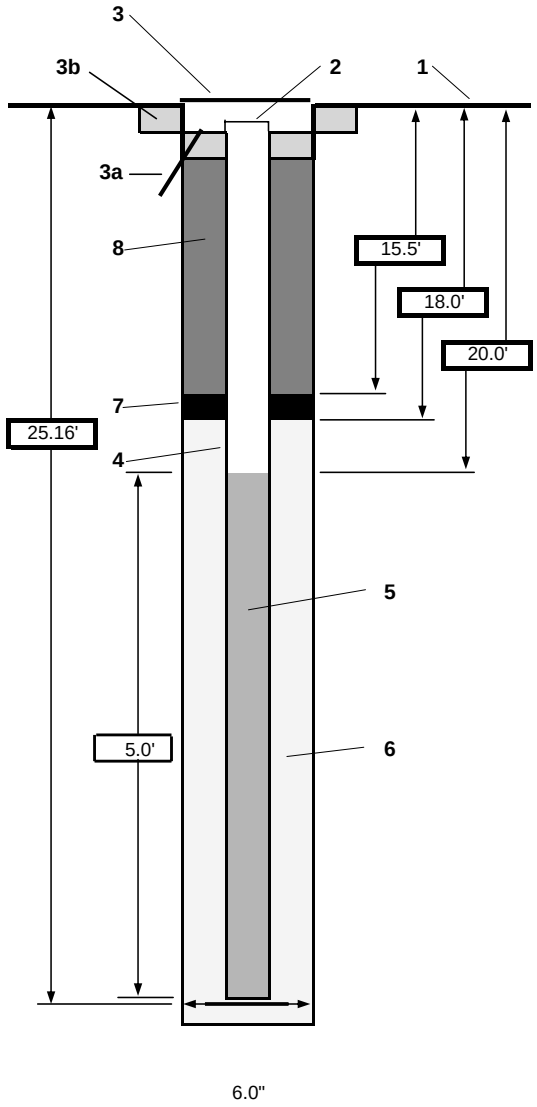
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484212.096

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545720.893

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 5-30-2007 END : 5-30-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.802
2-	Top of casing elevation	89.64
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block / Submersible pump
	Development time	
	Estimated purge volume	

Comments No lithologic data collected

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-46B	SHEET 1 OF 1

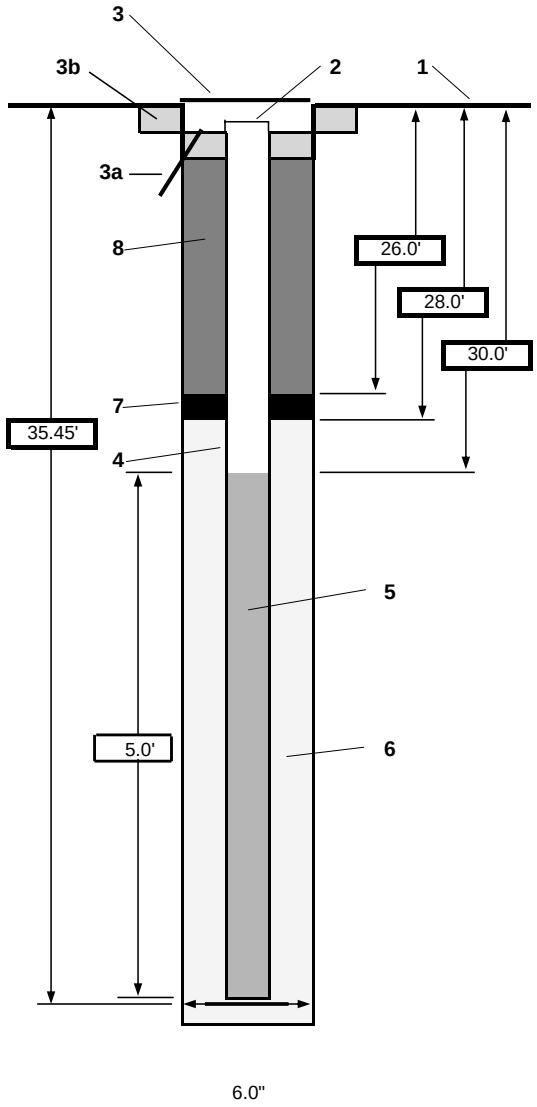
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484212.206

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545715.913

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 5-31-2007 END : 5-31-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.378
2-	Top of casing elevation	89.232
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block/Submersible and Whale Pump
	Development time	1.5 h
	Estimated purge volume	105 gal

Comments Well developed clear.

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-47A	SHEET 1 OF 1

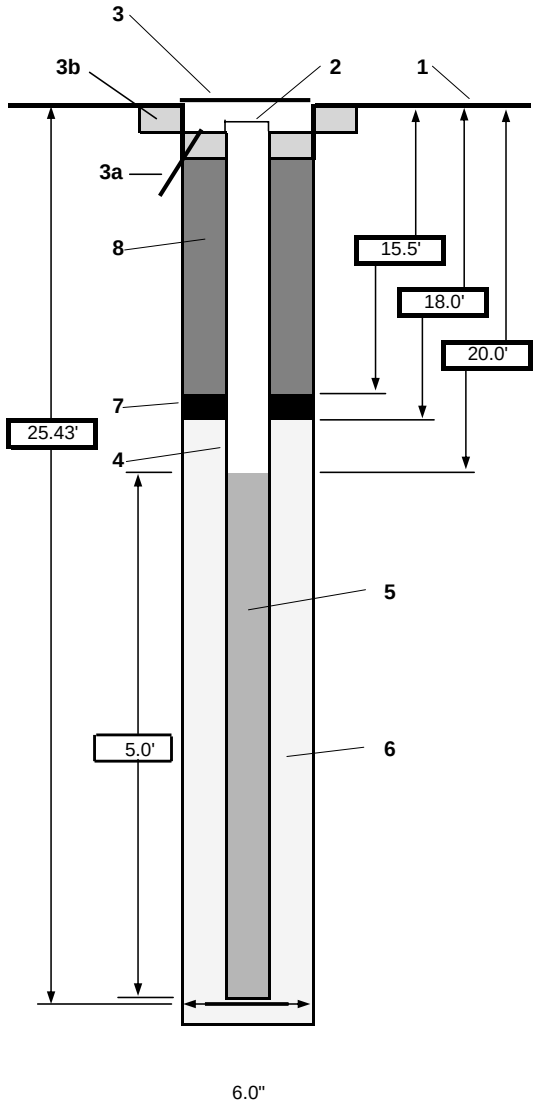
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484224.826

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545721.036

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 5-31-2007 END : 5-31-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.558
2-	Top of casing elevation	89.56
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block/Submersible and whale pump
	Development time	0.5 h
	Estimated purge volume	75 gal

Comments

cores collected to 45 ft

20-25' - Brown Med, Sands

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-47B	SHEET 1 OF 1

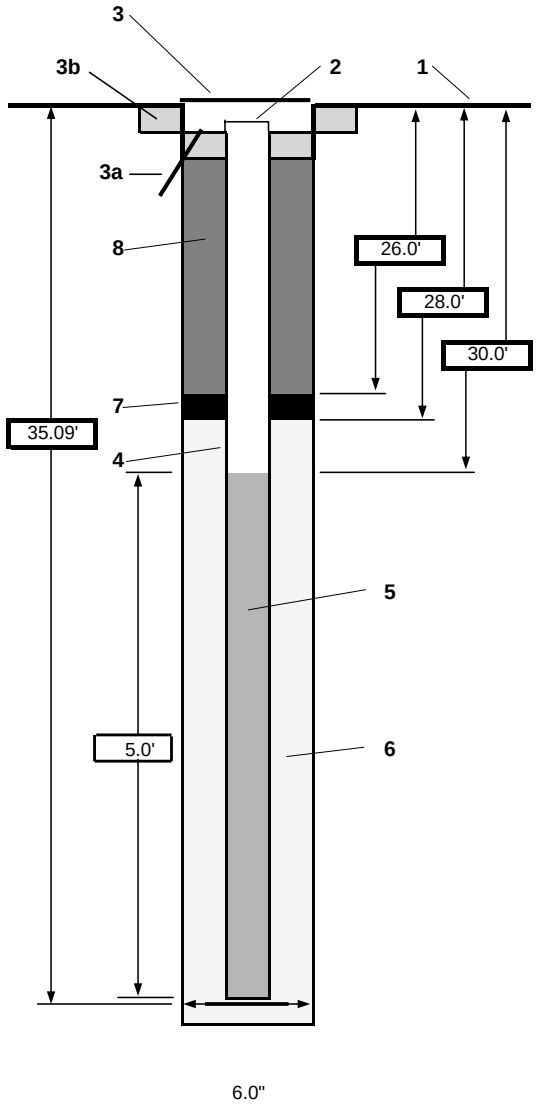
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484228.574

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545721.108

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 5-30-2007 END : 5-30-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.669
2-	Top of casing elevation	89.58
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block / Submersible pump
	Development time	
	Estimated purge volume	

Comments Cores to 45'.
20-25' - Brown Med. Sands
25-30' - Wet at 28' - Brown Med. Sand. OVM 2.4 ppm
30-35' - Sandy Clay to Sand
35-40' Hawthorn, Med. Sand
40-45' - Hawthorn Clay
TOC sample taken from screen interval 30-35' bls.

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-48A	SHEET 1 OF 1

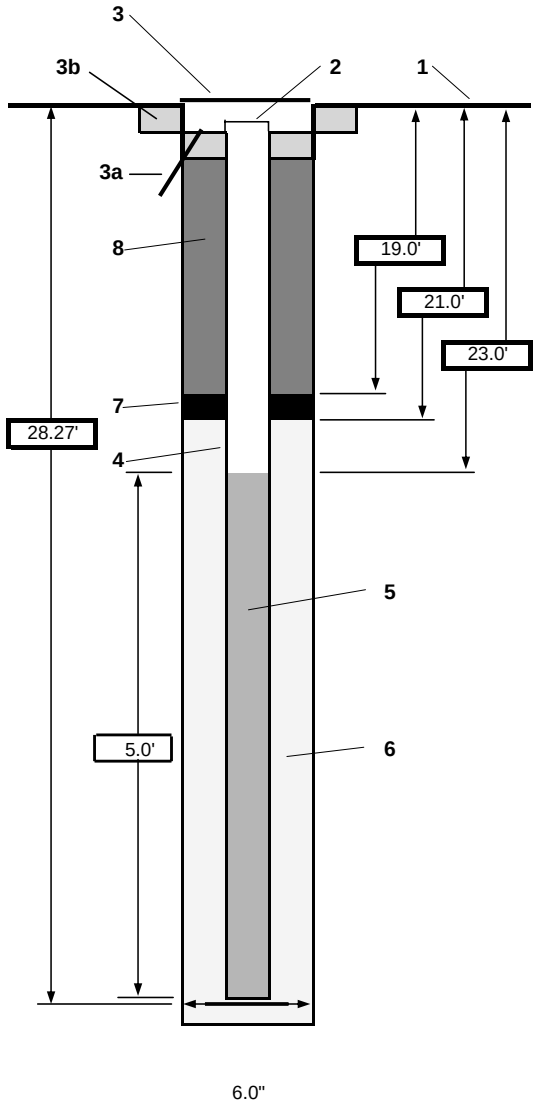
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484051.413

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545720.453

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 6-01-2007 END : 6-01-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.681
2-	Top of casing elevation	89.635
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block / Submersible pump
	Development time	1.75 h
	Estimated purge volume	90 gal

Comments At the end of well development, groundwater was cloudy
20-38.5' - Light Brown to Brown Sand Med./Fine

PROJECT NUMBER	WELL NUMBER	
283095.04.03	MW-48B	SHEET 1 OF 1

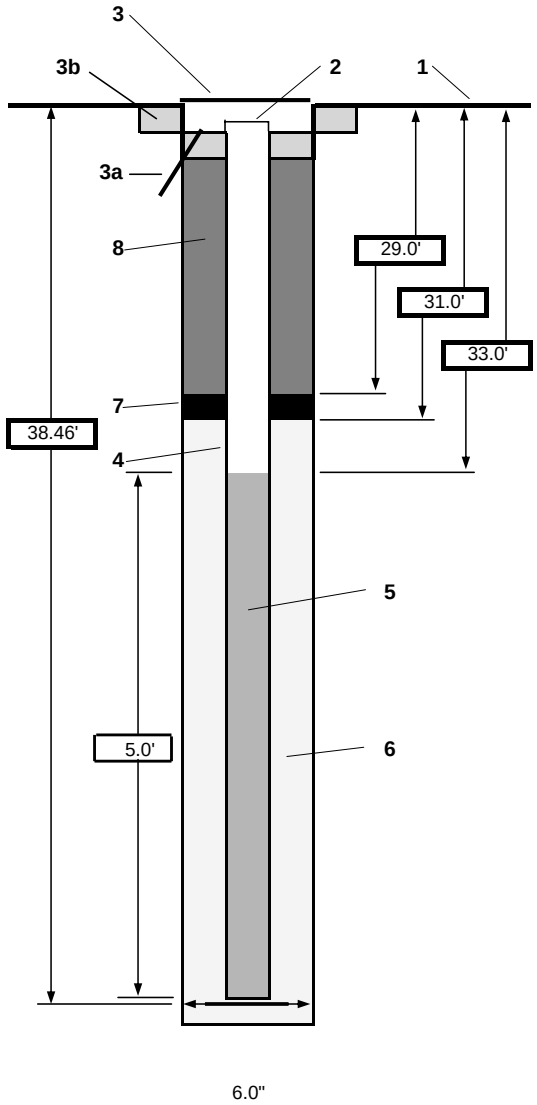
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING: 1484055.224

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING: 545720.597

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS :4.5 START : 5-31-2007 END : 5-31-2007 LOGGER : Andrew O'Conor



1-	Ground elevation at well	89.711
2-	Top of casing elevation	89.619
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 6"
4-	Dia./type of well casing	2-inch / PVC
5-	Type/slot size of screen	PVC / .010-slot
6-	Type screen filter	20/30 silica sand
	a) Quantity used	3 (50 lb) bags
7-	Type of seal	Barroid bentonite chips
	a) Quantity used	1/2 (50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland cement w/ 5% bentonite
	b) Method of placement	Trimmie
	Development method	Surge block/Submersible and whale pump
	Development time	1.75 h
	Estimated purge volume	150 gal

Comments At the end of well development, groundwater was cloudy, with strong sulfuric odor.
20-38.5' - Light Brown to Brown Sand Med./Fine. Saturated. OVM at 30' = 17.4 ppm
38-43' - Hawthorn clay. OVM 2.4 ppm
TOC soil sample collected at 33-38', OVM 7.4 ppm

PROJECT NUMBER	WELL NUMBER	
283095	MW-49A	SHEET 1 OF 1

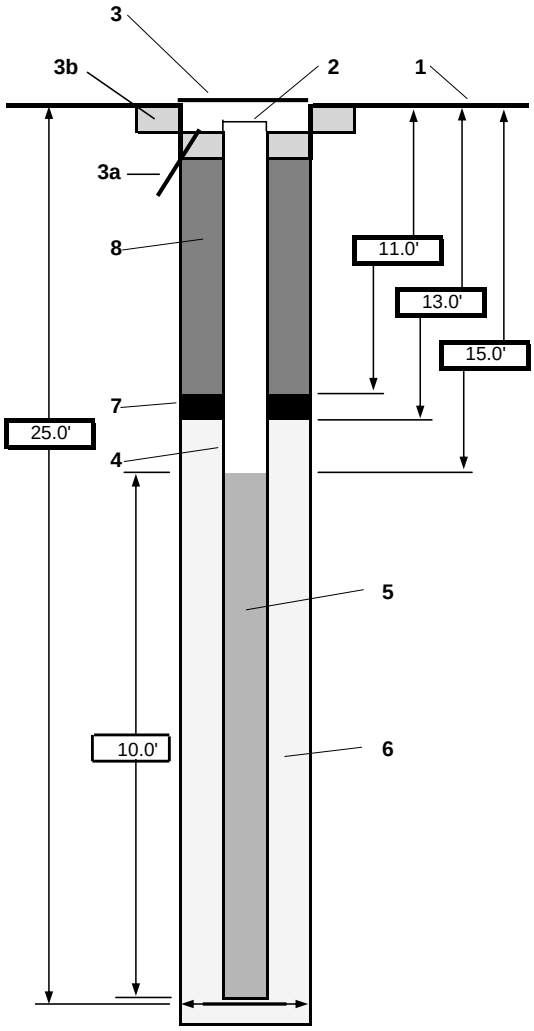
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING

DRILLING CONTRACTOR : Boart Longyear EASTING

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS : START : 5-30-2008 END : 5-30-2008 LOGGER : Andrew O'Conor



1- Ground elevation at well: Not obtained

2- Top of casing elevation:

3- Wellhead protection cover type: Bolt-down manhole cover.
a) drain tube?: Yes
b) concrete pad dimensions: 2' X 2' X 4"

4- Dia./type of well casing: 2-inch / PVC / Schedule 40

5- Type/slot size of screen: PVC / .010-slot screen Sched. 40

6- Type screen filter: 20/30 silica sand
a) Quantity used: 5 (50 lb) bags

7- Type of seal: Barroid Bentonite chips 3/8 plug
a) Quantity used: 1/2 (50 lb) bag

8- Grout
a) Grout mix used: Type I/II Portland cement w/ 5% Bentonite
b) Method of placement: Trimmie

Development method:

Development time:

Estimated purge volume:

Comments:

PROJECT NUMBER	WELL NUMBER	
283095	MW-49B	SHEET 1 OF 1

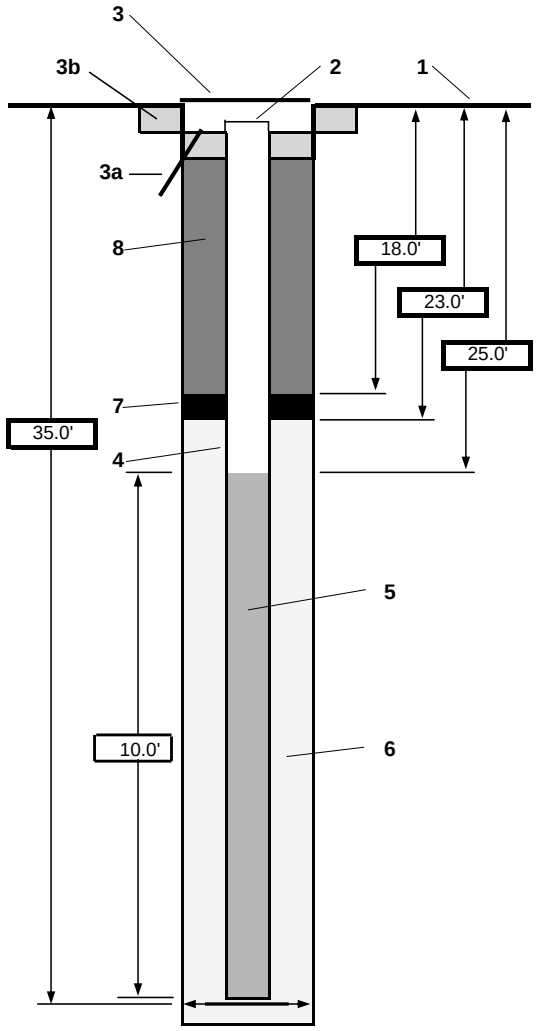
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING

DRILLING CONTRACTOR : Boart Longyear EASTING

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS : START : 5-19-2008 END : 5-20-2007 LOGGER : Andrew O'Conor



1- Ground elevation at well: Not obtained

2- Top of casing elevation:

3- Wellhead protection cover type: Bolt-down manhole cover.
- a) drain tube? Yes
- b) concrete pad dimensions 2' X 2' X 4"

4- Dia./type of well casing: 2-inch / PVC / Schedule 40

5- Type/slot size of screen: PVC / .010-slot screen Sched. 40

6- Type screen filter: 20/30 silica sand
- a) Quantity used: 6 (50 lb) bags

7- Type of seal: Barroid Bentonite chips 3/8 plug
- a) Quantity used: 1- (50 lb) bag

8- Grout
- a) Grout mix used: Type I/II Portland Cement w/ 5% Bentonite
- b) Method of placement: Trimmie

Development method:

Development time:

Estimated purge volume:

Comments:

PROJECT NUMBER	WELL NUMBER	
283095	MW-50A	SHEET 1 OF 1

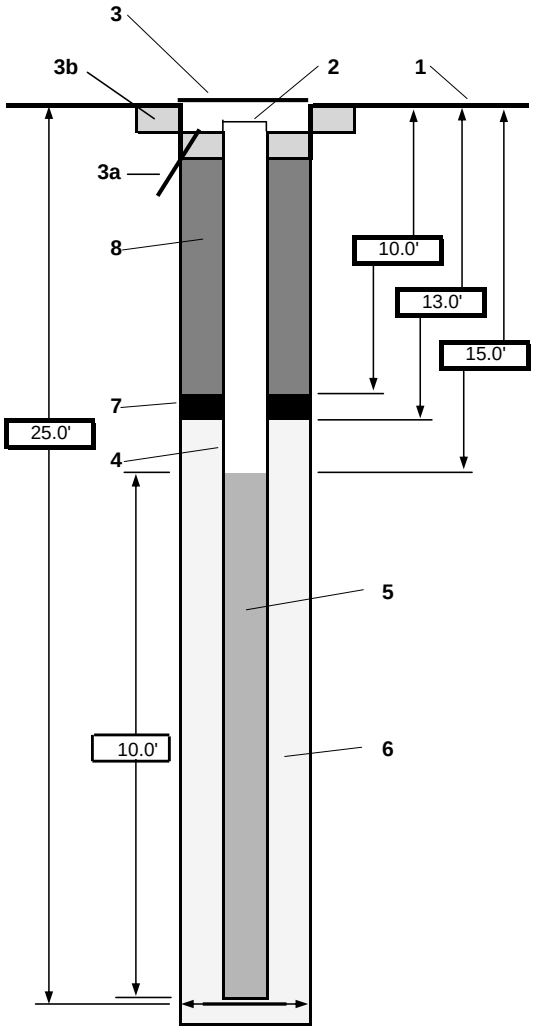
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING

DRILLING CONTRACTOR : Boart Longyear EASTING

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS : START : 6-05-2008 END : 6-05-2008 LOGGER : Andrew O'Conor



1- Ground elevation at well: Not obtained

2- Top of casing elevation:

3- Wellhead protection cover type: Bolt-down manhole cover.
a) drain tube?: Yes
b) concrete pad dimensions: 2' X 2' X 4"

4- Dia./type of well casing: 2-inch / PVC / Schedule 40

5- Type/slot size of screen: PVC / .010-slot screen Sched. 40

6- Type screen filter: 20/30 silica sand
a) Quantity used: 5 (50 lb) bags

7- Type of seal: Barroid Bentonite chips 3/8 plug
a) Quantity used: 1/2 (50 lb) bag

8- Grout
a) Grout mix used: Type I/II Portland cement w/ 5% Bentonite
b) Method of placement: Trimmie

Development method:

Development time:

Estimated purge volume:

Comments:

PROJECT NUMBER	WELL NUMBER	
283095	MW-50B	SHEET 1 OF 1

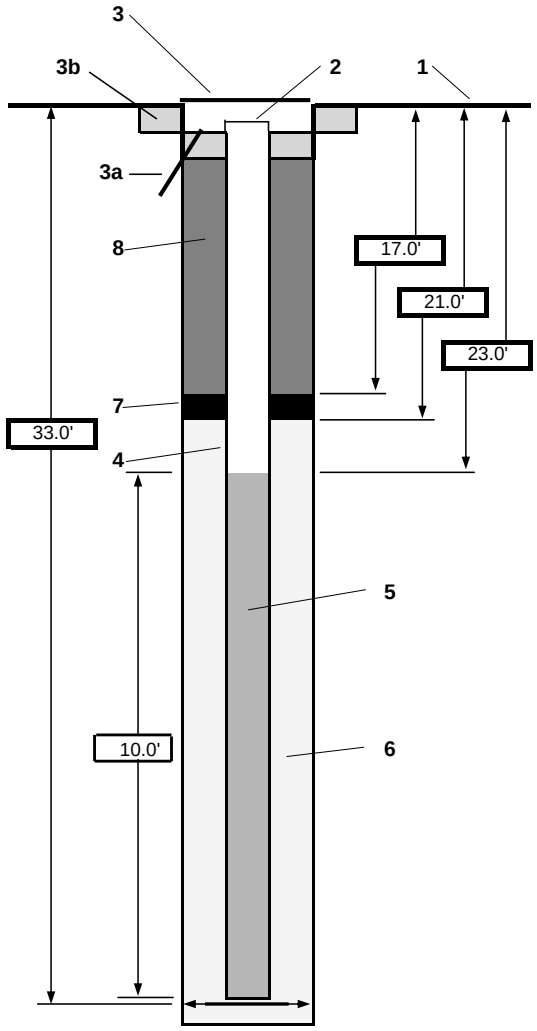
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING

DRILLING CC DRILLING CONTRACTOR : Boart Longyear EASTING

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS : START : 5-20-2008 END : 5-20-2008 LOGGER : Andrew O'Conor



1-	Ground elevation at well	Not obtained
2-	Top of casing elevation	
3-	Wellhead protection cover type	Bolt-down manhole cover.
	a) drain tube?	yes
	b) concrete pad dimensions	2' X 2' X 4"
4-	Dia./type of well casing	2-inch / PVC / Schedule 40
5-	Type/slot size of screen	PVC / .010-slot screen Sched. 40
6-	Type screen filter	20/30 silica sand
	a) Quantity used	6 (50 lb) bags
7-	Type of seal	Barroid Bentonite chips 3/8 plug
	a) Quantity used	1-(50 lb) bag
8-	Grout	
	a) Grout mix used	Type I/II Portland Cement w/ 5% Bentonite
	b) Method of placement	Trimmie
	Development method	Surge block / Submersible pump
	Development time	
	Estimated purge volume	

Comments

PROJECT NUMBER	WELL NUMBER	
283095	MW-51A	SHEET 1 OF 1

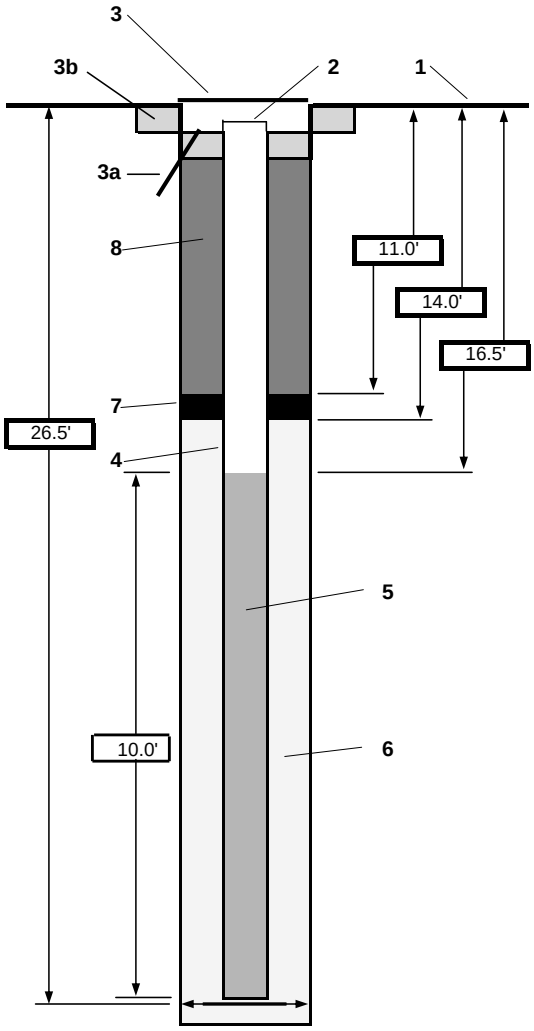
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING

DRILLING CONTRACTOR : Boart Longyear EASTING

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS : START : 5-28-2008 END : 5-28-2008 LOGGER : Andrew O'Conor



1- Ground elevation at well: Not obtained

2- Top of casing elevation:

3- Wellhead protection cover type: Bolt-down manhole cover.
a) drain tube?: Yes
b) concrete pad dimensions: 2' X 2' X 4"

4- Dia./type of well casing: 2-inch / PVC / Schedule 40

5- Type/slot size of screen: PVC / .010-slot screen Sched. 40

6- Type screen filter: 20/30 silica sand
a) Quantity used: 6 (50 lb) bags

7- Type of seal: Barroid Bentonite chips 3/8 plug
a) Quantity used: 3/4 (50 lb) bag

8- Grout
a) Grout mix used: Type I/II Portland cement w/ 5% Bentonite
b) Method of placement: Trimmie

Development method:

Development time:

Estimated purge volume:

Comments:

PROJECT NUMBER	WELL NUMBER	
283095	MW-51B	SHEET 1 OF 1

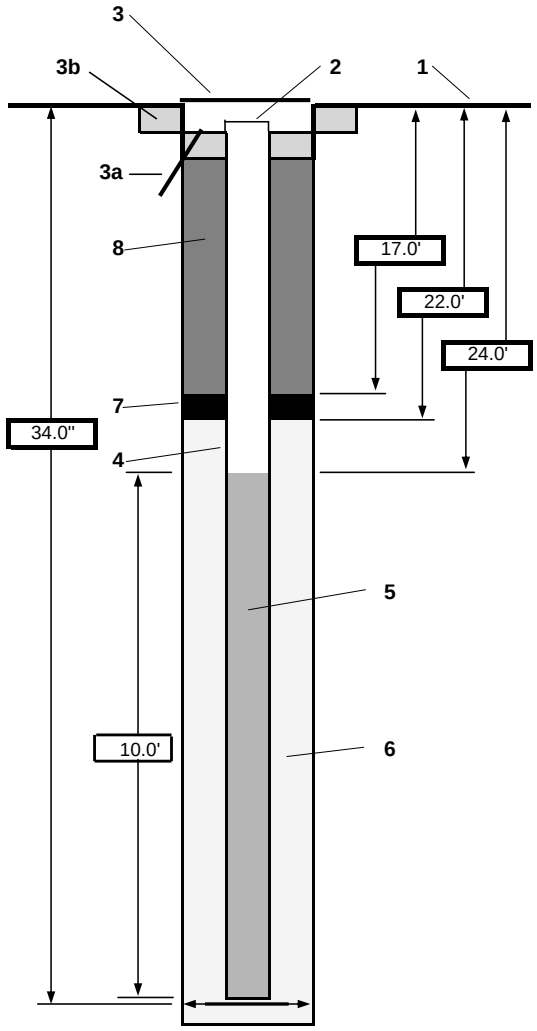
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING

DRILLING CONTRACTOR : Boart Longyear EASTING

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS : START : 5-27-2008 END : 5-27-2008 LOGGER : Andrew O'Conor



1- Ground elevation at well: Not obtained

2- Top of casing elevation:

3- Wellhead protection cover type: Bolt-down manhole cover.
- a) drain tube? Yes
- b) concrete pad dimensions 2' X 2' X 4"

4- Dia./type of well casing: 2-inch / PVC / Schedule 40

5- Type/slot size of screen: PVC / .010-slot screen Sched. 40

6- Type screen filter: 20/30 silica sand
- a) Quantity used: 6 (50 lb) bags

7- Type of seal: Barroid Bentonite chips 3/8 plug
- a) Quantity used: 1 (50 lb) bag

8- Grout
- a) Grout mix used: Type I/II Portland cement w/ 5% Bentonite
- b) Method of placement: Trimmie

Development method:

Development time:

Estimated purge volume:

Comments:

PROJECT NUMBER	WELL NUMBER	
283095	MW-52A	SHEET 1 OF 1

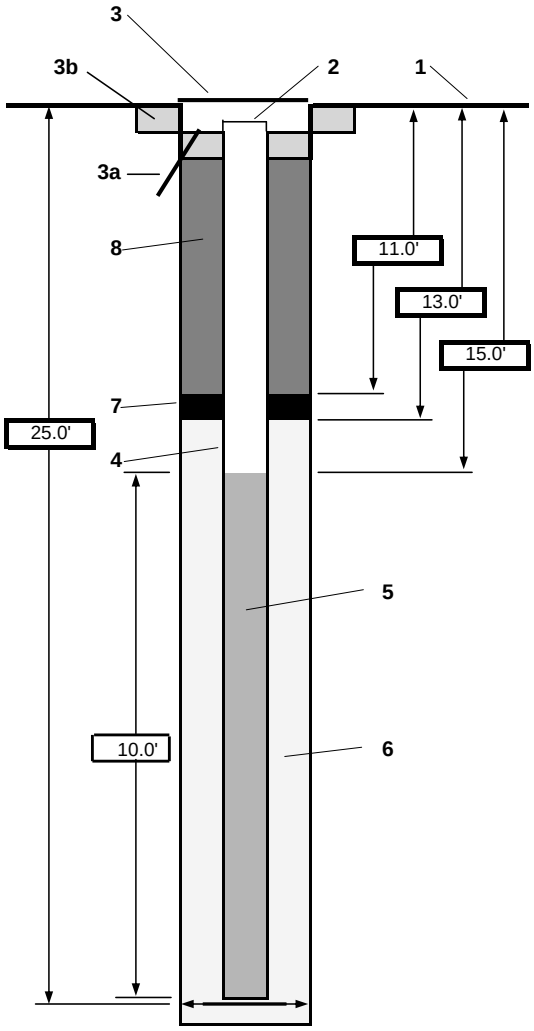
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING

DRILLING CONTRACTOR : Boart Longyear EASTING

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS : START : 5-29-2008 END : 5-29-2008 LOGGER : Andrew O'Conor



1- Ground elevation at well: Not obtained

2- Top of casing elevation:

3- Wellhead protection cover type: Bolt-down manhole cover.
a) drain tube?: Yes
b) concrete pad dimensions: 2' X 2' X 4"

4- Dia./type of well casing: 2-inch / PVC / Schedule 40

5- Type/slot size of screen: PVC / .010-slot screen Sched. 40

6- Type screen filter: 20/30 silica sand
a) Quantity used: 5 (50 lb) bags

7- Type of seal: Barroid Bentonite chips 3/8 plug
a) Quantity used: 1/2 (50 lb) bag

8- Grout
a) Grout mix used: Type I/II Portland cement w/ 5% Bentonite
b) Method of placement: Trimmie

Development method:

Development time:

Estimated purge volume:

Comments:

PROJECT NUMBER	WELL NUMBER	
283095	MW-52B	SHEET 1 OF 1

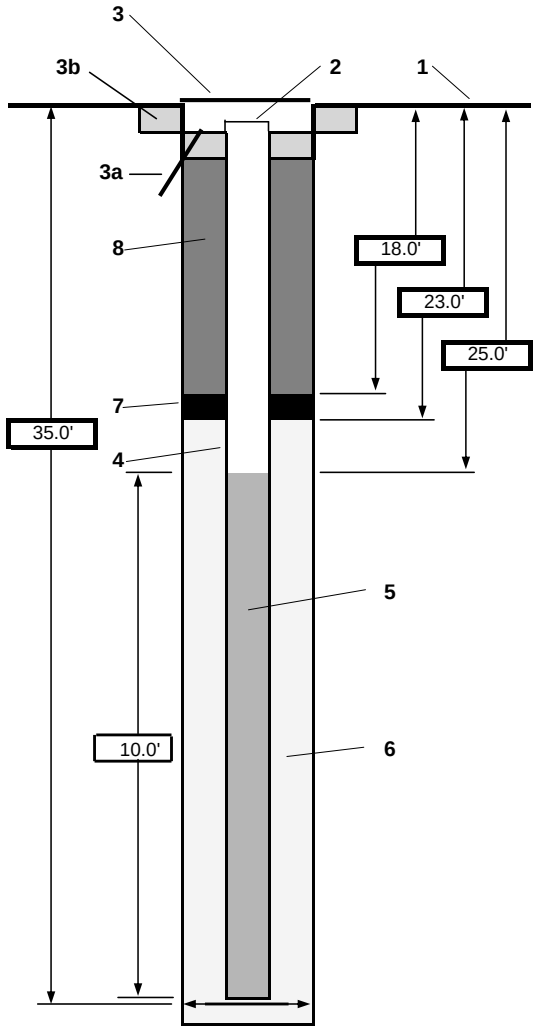
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING

DRILLING CONTRACTOR : Boart Longyear EASTING

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS : START : 5-19-2008 END : 5-20-2008 LOGGER : Andrew O'Conor



1- Ground elevation at well: Not obtained

2- Top of casing elevation:

3- Wellhead protection cover type: Bolt-down manhole cover.
a) drain tube? Yes
b) concrete pad dimensions: 2' X 2' X 4"

4- Dia./type of well casing: 2-inch / PVC / Schedule 40

5- Type/slot size of screen: PVC / .010-slot screen Sched. 40

6- Type screen filter: 20/30 silica sand
a) Quantity used: 6(50 lb) bags

7- Type of seal: Barroid Bentonite chips 3/8 plug
a) Quantity used: 1- (50 lb) bag

8- Grout
a) Grout mix used: Type I/II Portland cement w/ 5% Bentonite
b) Method of placement: Trimmie

Development method:

Development time:

Estimated purge volume:

Comments:

PROJECT NUMBER	WELL NUMBER	
283095	MW-53A	SHEET 1 OF 1

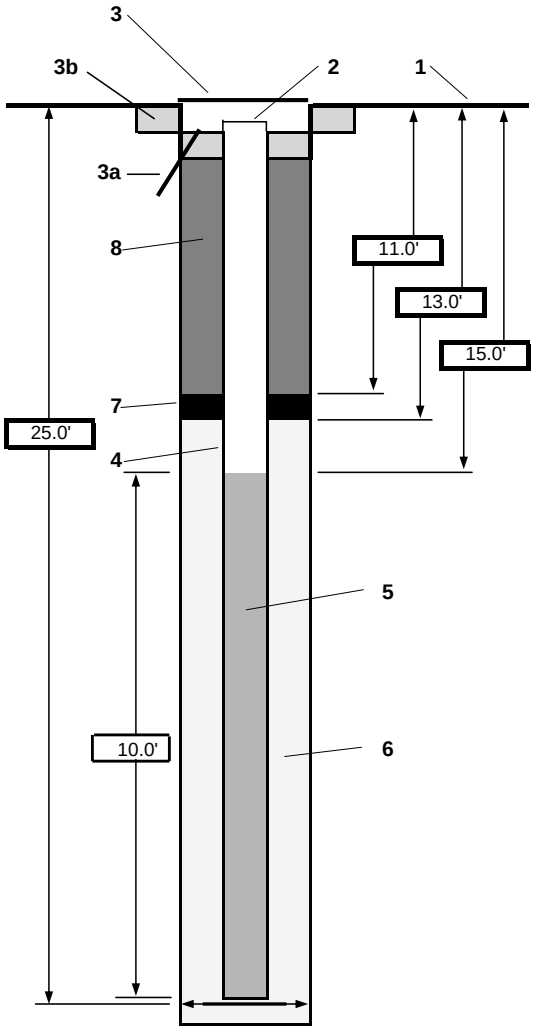
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING

DRILLING CONTRACTOR : Boart Longyear EASTING

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS : START : 6-04-2008 END : 6-04-2008 LOGGER : Andrew O'Conor



1- Ground elevation at well: Not obtained

2- Top of casing elevation:

3- Wellhead protection cover type: Bolt-down manhole cover.
- a) drain tube?: Yes
- b) concrete pad dimensions: 2' X 2' X 4"

4- Dia./type of well casing: 2-inch / PVC / Schedule 40

5- Type/slot size of screen: PVC / .010-slot screen Sched. 40

6- Type screen filter: 20/30 silica sand
- a) Quantity used: 5 (50 lb) bags

7- Type of seal: Barroid Bentonite chips 3/8 plug
- a) Quantity used: 1/2 (50 lb) bag

8- Grout
- a) Grout mix used: Type I/II Portland cement w/ 5% Bentonite
- b) Method of placement: Trimmie

Development method:

Development time:

Estimated purge volume:

Comments:

PROJECT NUMBER	WELL NUMBER	
283095	MW-53B	SHEET 1 OF 1

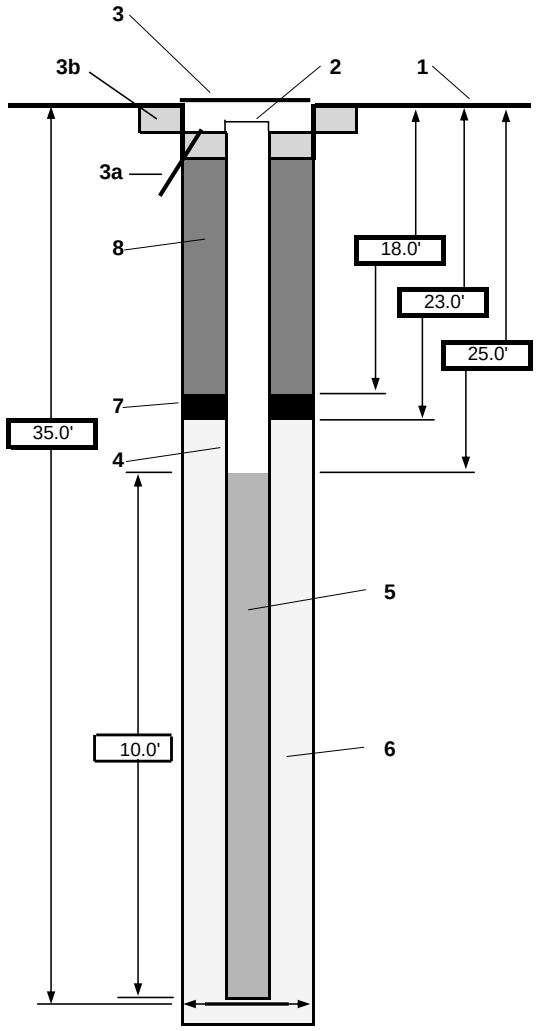
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando, OU-2 LOCATION : NTC Orlando, OU-2 NORTHING

DRILLING CONTRACTOR : Boart Longyear EASTING

DRILLING METHOD AND EQUIPMENT USED : Rotosonic

WATER LEVELS : START : 5-20-2008 END : 5-20-2008 LOGGER : Andrew O'Conor



1- Ground elevation at well: Not obtained

2- Top of casing elevation:

3- Wellhead protection cover type: Bolt-down manhole cover.
a) drain tube? yes
b) concrete pad dimensions: 2' X 2' X 6"

4- Dia./type of well casing: 2-inch / PVC / Schedule 40

5- Type/slot size of screen: PVC / .010-slot screen Sched. 40

6- Type screen filter: 20/30 silica sand
a) Quantity used: 6 (50 lb) bags

7- Type of seal: Barroid Bentonite chips 3/8 plug
a) Quantity used: 1- (50 lb) bag

8- Grout
a) Grout mix used: Type I/II Portland Cement w/ 5% Bentonite
b) Method of placement: Trimmie

Development method:

Development time:

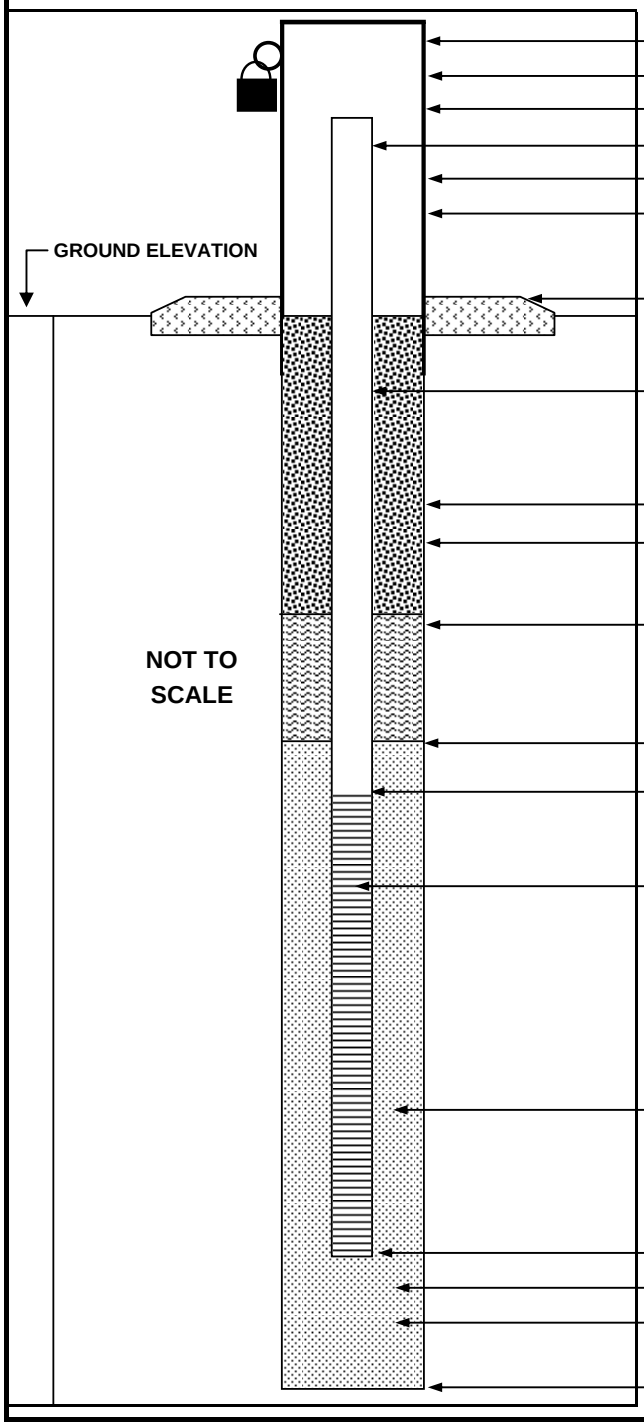
Estimated purge volume:

Comments:

WELL NO.: OLD-OU2-DP01A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU2 - McCoy Annex	DRILLER	Skip Barton
PROJECT NO.	7457	BORING	DP01	METHOD:	
ELEVATION		DATE	13-Feb-01	DRILLING	hand auger
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peri. pump



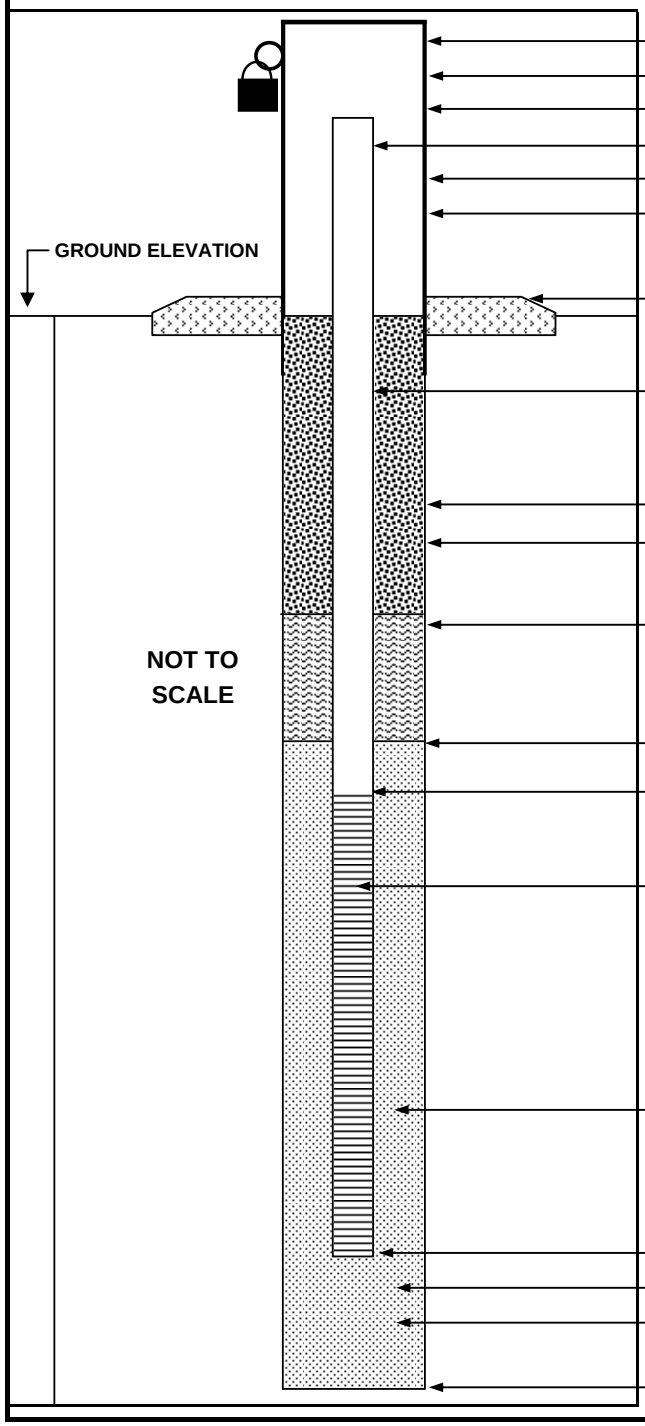
ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	NA
STICK-UP OF RISER PIPE:	3.5 ft*
I.D. OF SURFACE CASING:	NA
TYPE OF SURFACE CASING:	NA
TYPE OF SURFACE SEAL:	NA
RISER PIPE I.D.:	1.25 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	4 in.
TYPE OF SEAL:	NA
ELEVATION / DEPTH OF SEAL:	1.5 ft*
TYPE OF SEAL:	30/65 (fine) sand
DEPTH - TOP OF SAND PACK:	2.5 ft*
ELEVATION / DEPTH - TOP OF SCREEN:	3.5 ft*
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.010 in. X 4 ft
I.D. OF SCREEN:	1.25 in.
TYPE OF SAND PACK:	20/30
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	7.5 ft*
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	7.5 ft*
TYPE OF BACKFILL BELOW MONITORING WELL:	
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	7.5 ft*

NOTES: * measuremants from the bottom of the stream bed

WELL NO.: OLD-OU2-DP01B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU2 - McCoy Annex	DRILLER	Bob Evans
PROJECT NO.	7457	BORING	DP01B	METHOD:	
ELEVATION		DATE	6-Jun-01	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peri. pump



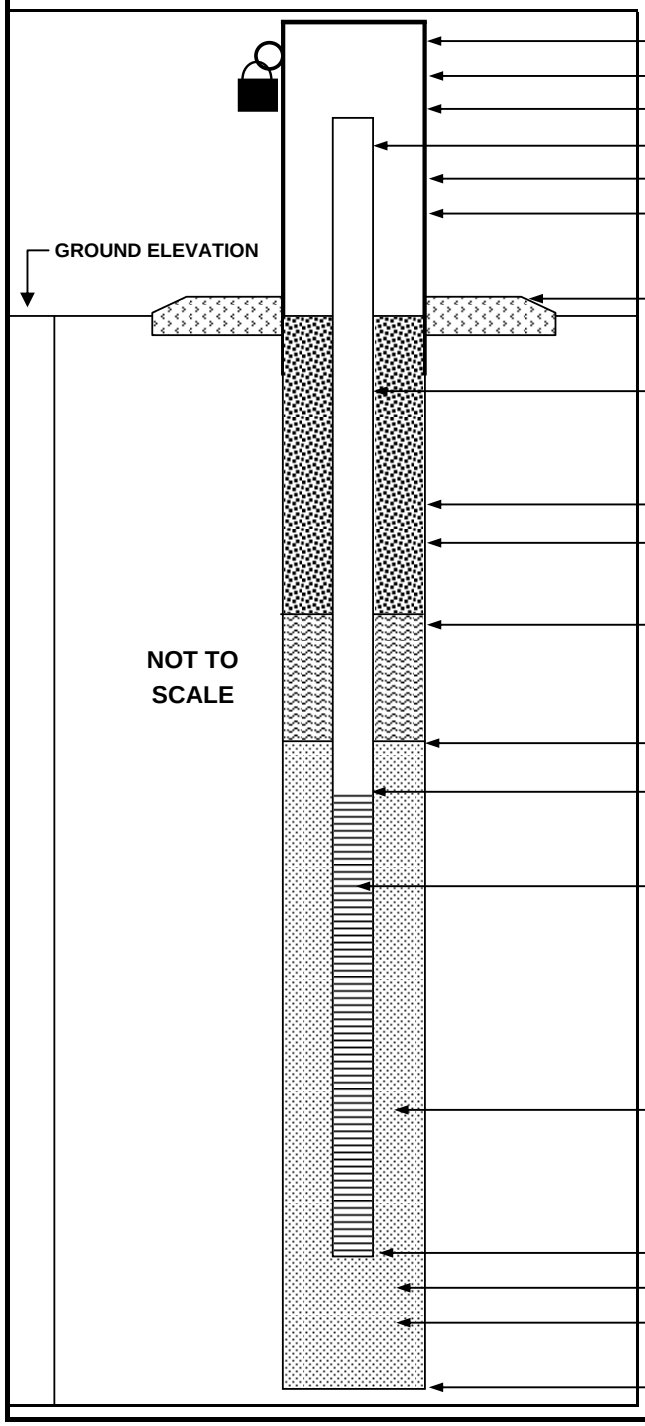
ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3 ft
STICK-UP OF RISER PIPE:	2.8 ft
I.D. OF SURFACE CASING:	4-in. X 4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	NA
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	fine sand (see below)
ELEVATION / DEPTH OF SEAL:	16 ft
TYPE OF SEAL:	30/65 (fine) sand
DEPTH - TOP OF SAND PACK:	16 ft
ELEVATION / DEPTH - TOP OF SCREEN:	17 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.010 in. X 5 ft
I.D. OF SCREEN:	1.5" outer X 1" inner
TYPE OF SAND PACK:	pre-packed (30/45)
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	22 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	22 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	22 ft

NOTES:

WELL NO.: OLD-OU2-DP02A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU2 - McCoy Annex	DRILLER	Skip Barton
PROJECT NO.	7457	BORING	DP02A	METHOD:	
ELEVATION		DATE	14-Feb-01	DRILLING	hand auger
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peri. pump



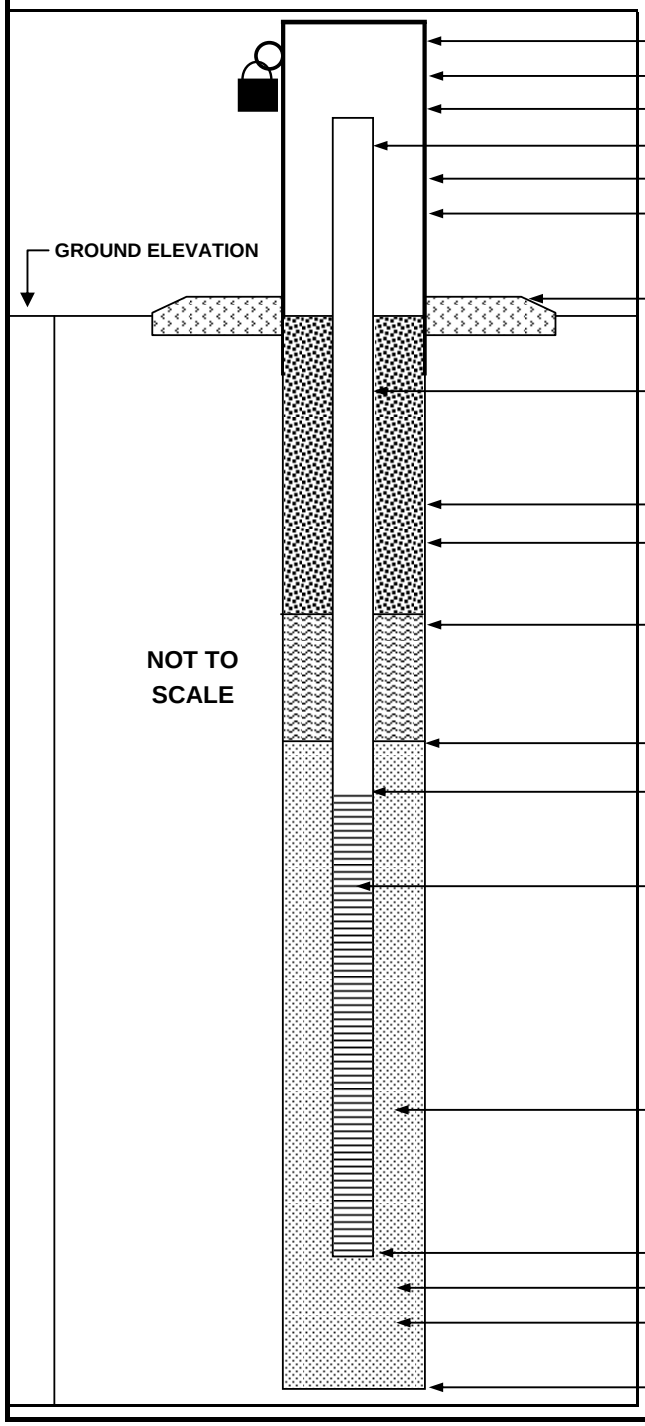
ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	NA
STICK-UP OF RISER PIPE:	3.5 ft*
I.D. OF SURFACE CASING:	NA
TYPE OF SURFACE CASING:	NA
TYPE OF SURFACE SEAL:	NA
RISER PIPE I.D.:	1.25 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	4 in.
TYPE OF SEAL:	NA
ELEVATION / DEPTH OF SEAL:	1.5 ft*
TYPE OF SEAL:	30/65 (fine) sand
DEPTH - TOP OF SAND PACK:	2.5 ft*
ELEVATION / DEPTH - TOP OF SCREEN:	3.5 ft*
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.010 in. X 4 ft
I.D. OF SCREEN:	1.25 in.
TYPE OF SAND PACK:	20/30
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	7.5 ft*
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	7.5 ft*
TYPE OF BACKFILL BELOW MONITORING WELL:	
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	7.5 ft*

NOTES: * measuremants from the bottom of the stream bed

WELL NO.: OLD-OU2-DP02B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	OU2 - McCoy Annex	DRILLER	Bob Evans
PROJECT NO.	7457	BORING	DP02B	METHOD:	
ELEVATION		DATE	6-Jun-01	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peri. pump



ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3 ft
STICK-UP OF RISER PIPE:	2.8 ft
I.D. OF SURFACE CASING:	4-in. X 4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	NA
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	fine sand (see below)
ELEVATION / DEPTH OF SEAL:	16 ft
TYPE OF SEAL:	30/65 (fine) sand
DEPTH - TOP OF SAND PACK:	16 ft
ELEVATION / DEPTH - TOP OF SCREEN:	17 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.010 in. X 5 ft
I.D. OF SCREEN:	1.5" outer X 1" inner
TYPE OF SAND PACK:	pre-packed (30/45)
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	22 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	22 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	22 ft

NOTES:

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

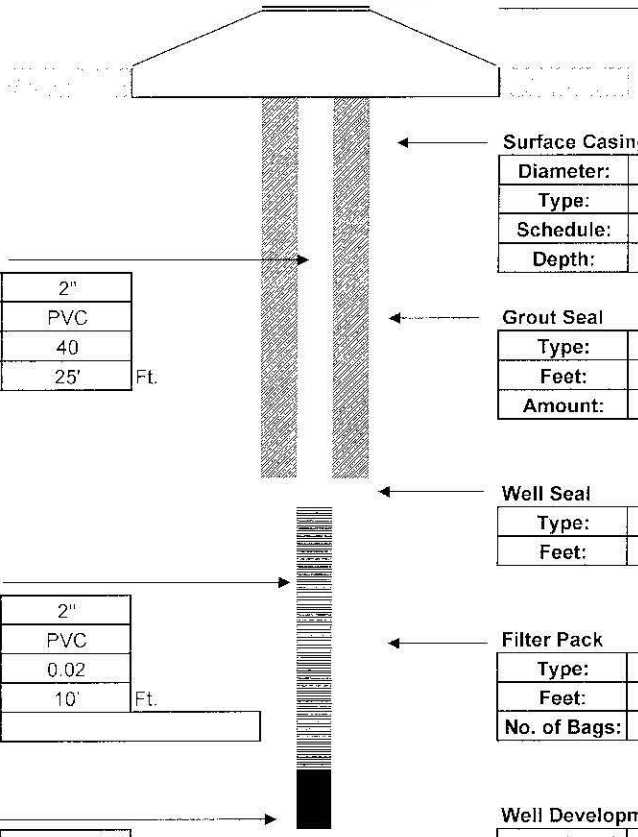
Work Order: 1011014
Type of Well: Injection
Well Number: IW 4 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
4" AGP



Surface Casing

Diameter:		Diameter:	
Type:		Type:	
Schedule:		Schedule:	
Depth:		Depth:	

Intermediate Casing

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

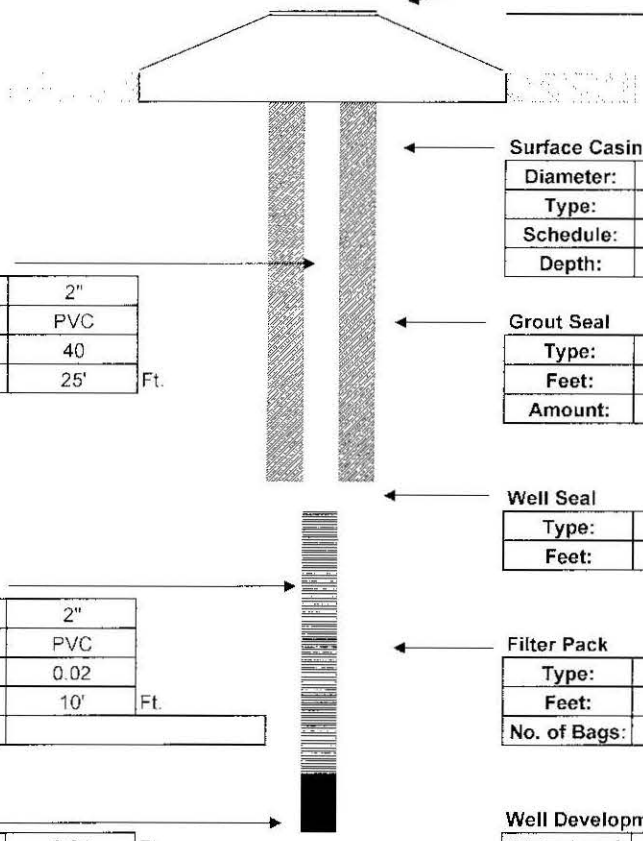
Work Order: 1011014
Type of Well: Injection
Well Number: IW 6 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
4" AGP



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

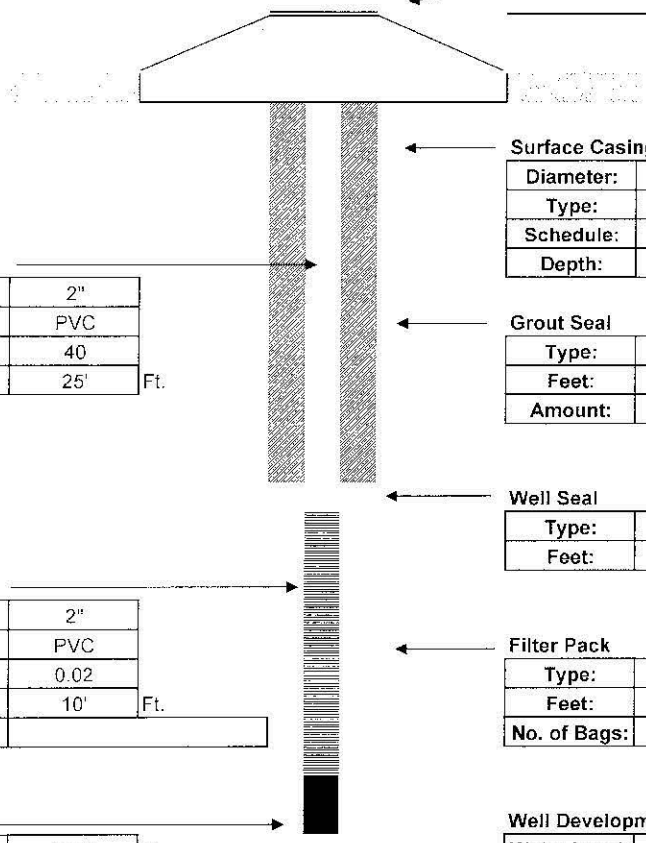
Work Order: 1011014
Type of Well: Injection
Well Number: IW 8 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
4" AGP



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

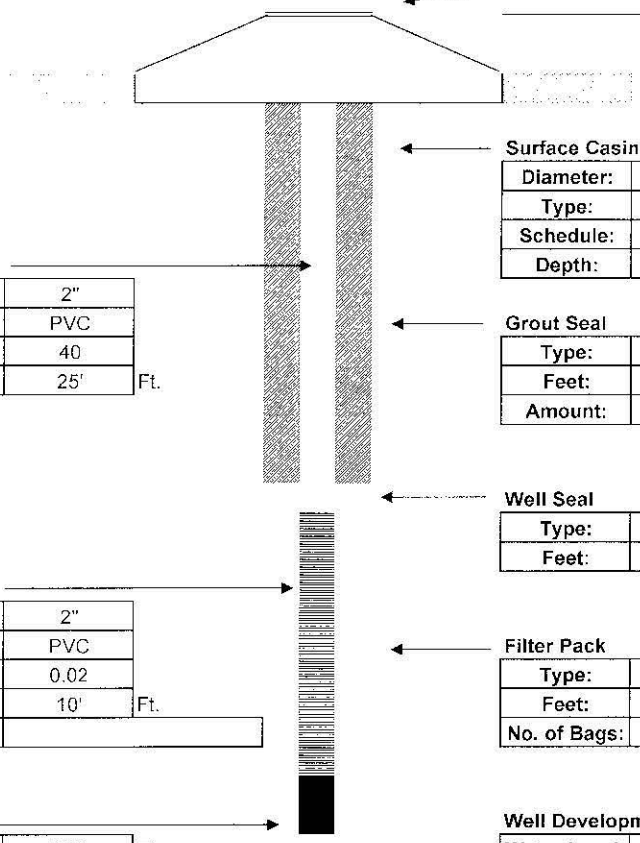
Work Order: 1011014
Type of Well: Injection
Well Number: IW 9 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	! PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	11/9/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D50A

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

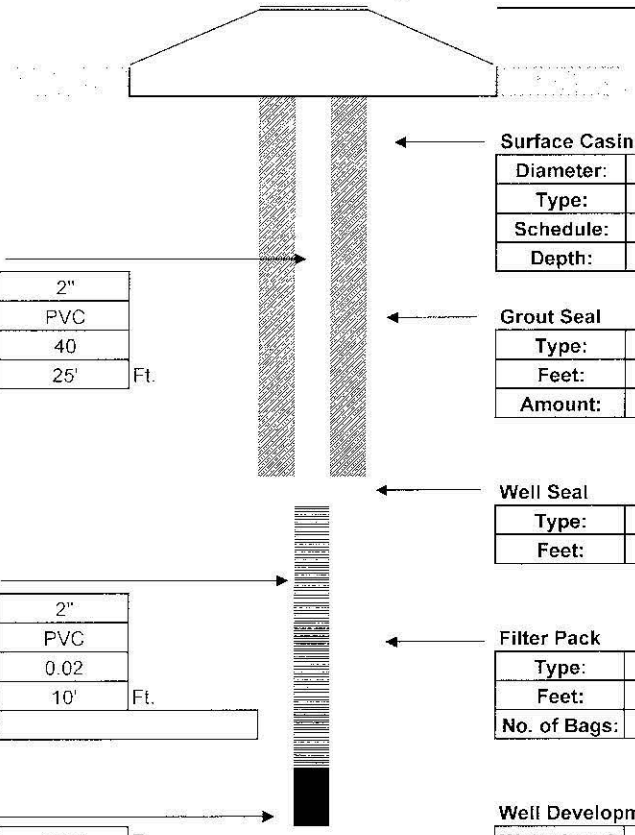
Work Order: 1011014
Type of Well: Injection
Well Number: IW 10 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
4" AGP



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

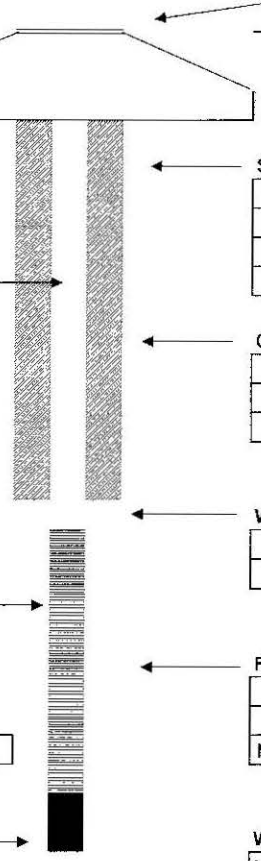
Work Order: 1011014
Type of Well: Injection
Well Number: IW 32 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
4" AGP



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

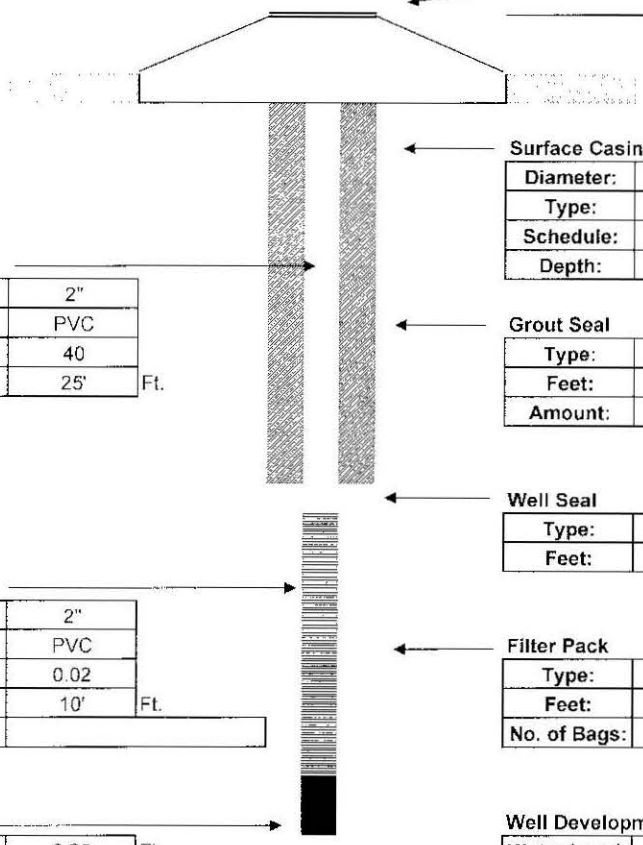
Work Order: 1011014
Type of Well: Injection
Well Number: IW 33 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
4" AGP



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

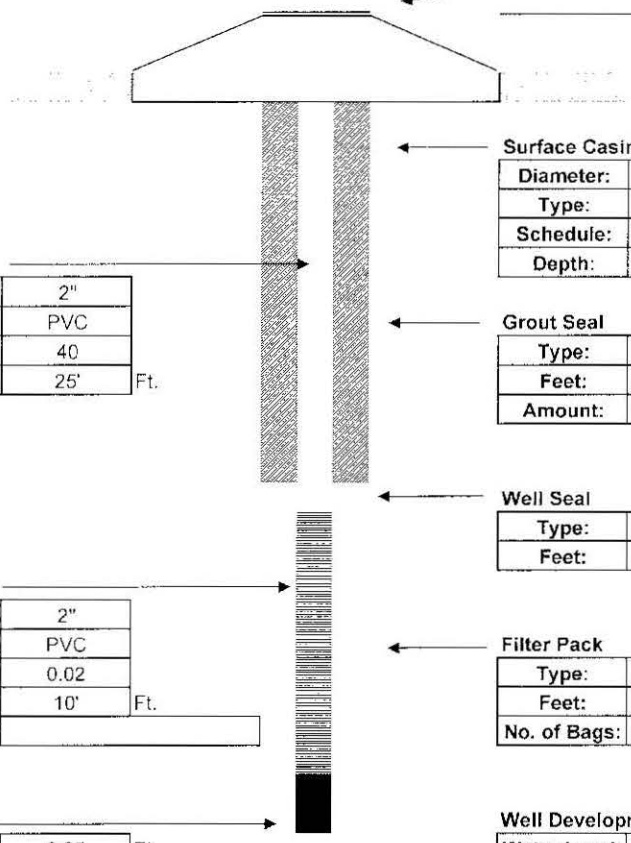
Work Order: 1011014
Type of Well: Injection
Well Number: IW 34 B
Method Used: H S A
Borehole Diaz: 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
4" AGP



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

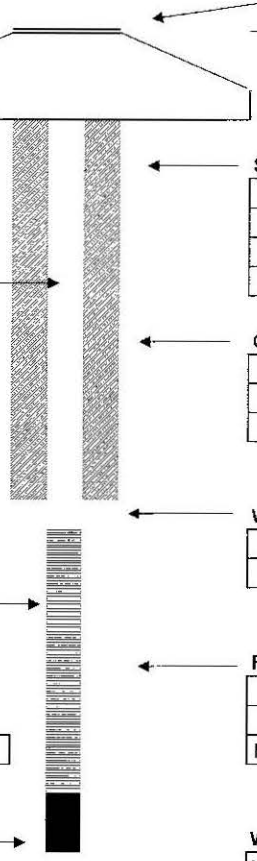
Work Order: 1011014
Type of Well: Injection
Well Number: IW 35 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
4" AGP



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

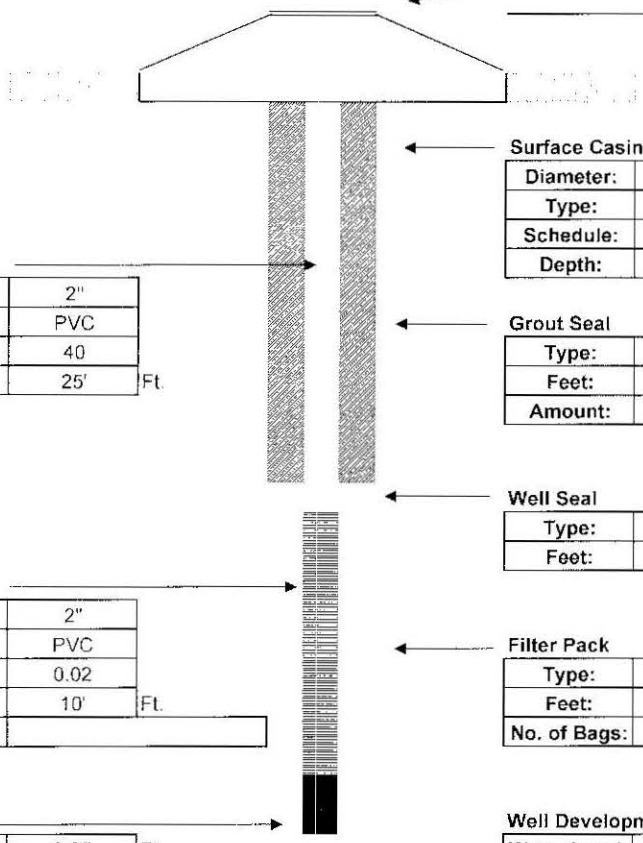
Work Order: 1011014
Type of Well: Injection
Well Number: IW 36 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
4" AGP



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

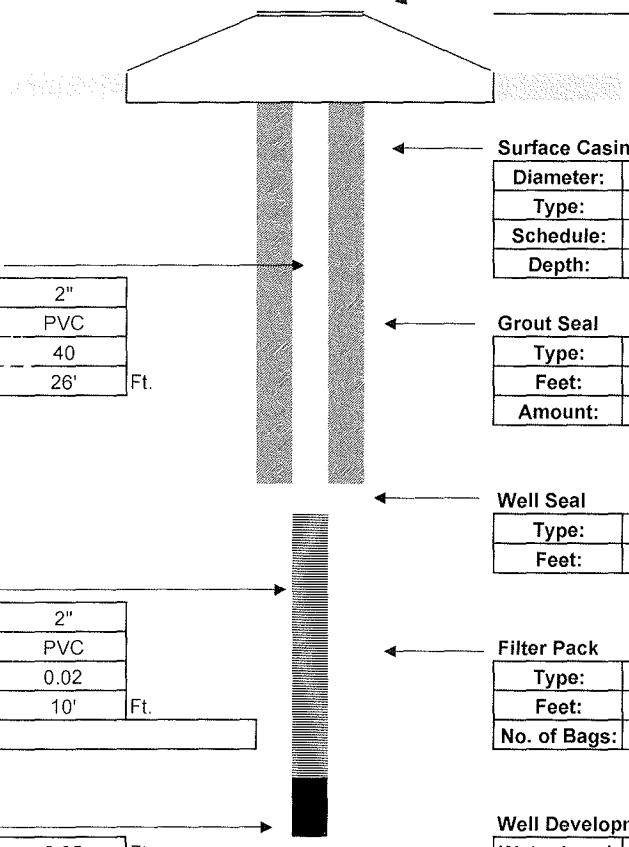
Work Order: 1011014
Type of Well: Injection
Well Number: IW 29 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	36'	10'	26'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		22'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	26'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	22'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

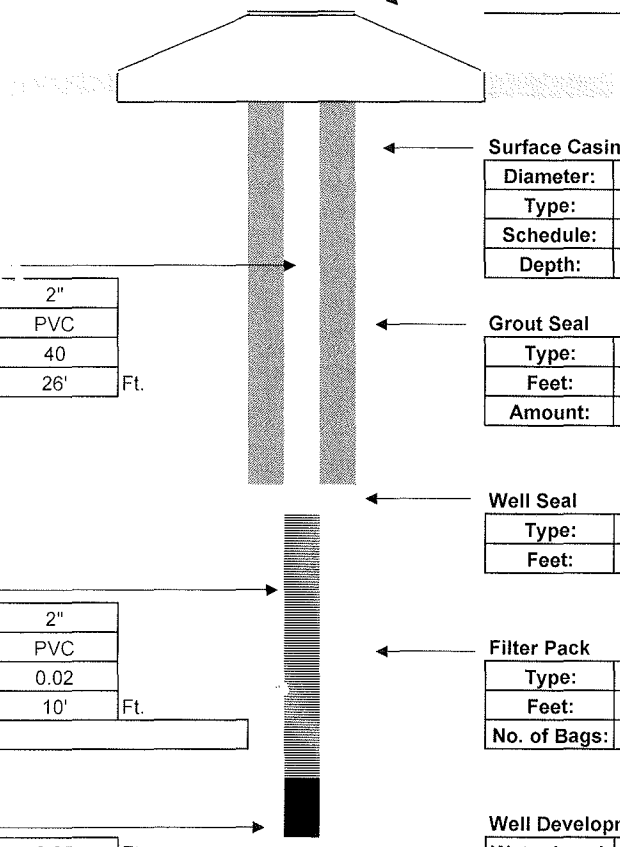
Work Order: 1011014
Type of Well: Injection
Well Number: IW 30 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	36'	10'	26'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		22'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	26'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	22'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

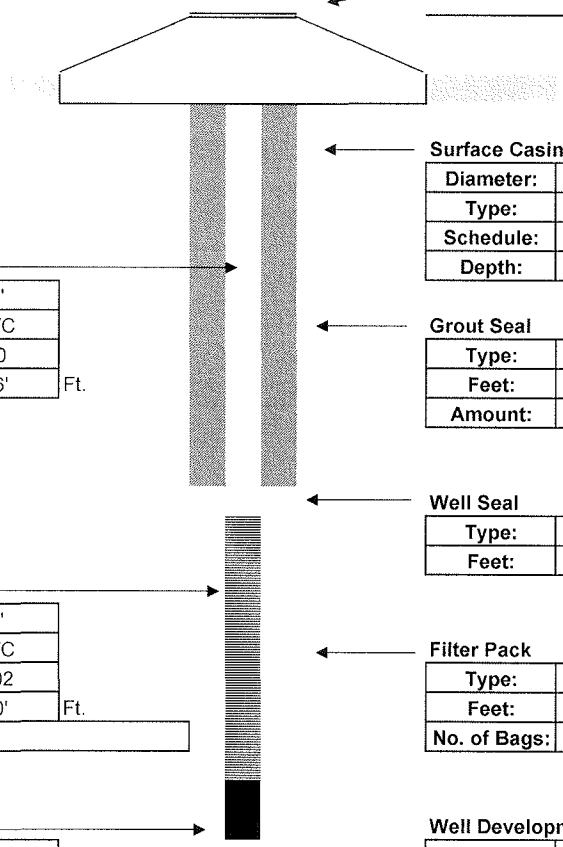
Work Order: 1011014
Type of Well: Injection
Well Number: IW 28 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	36'	10'	26'	3	7 / 50 lbs.	6/20	Bent Chips
40 ← Schedule		Slot Size: →	0.02		22'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"
Type:	PVC
Schedule:	40
Length:	26' Ft.

Grout Seal

Type:	I PORTLAND
Feet:	22'
Amount:	3 Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"
Type:	PVC
Slot:	0.02
Length:	10' Ft.
Note:	

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25 Ft.
Type:	PVC

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

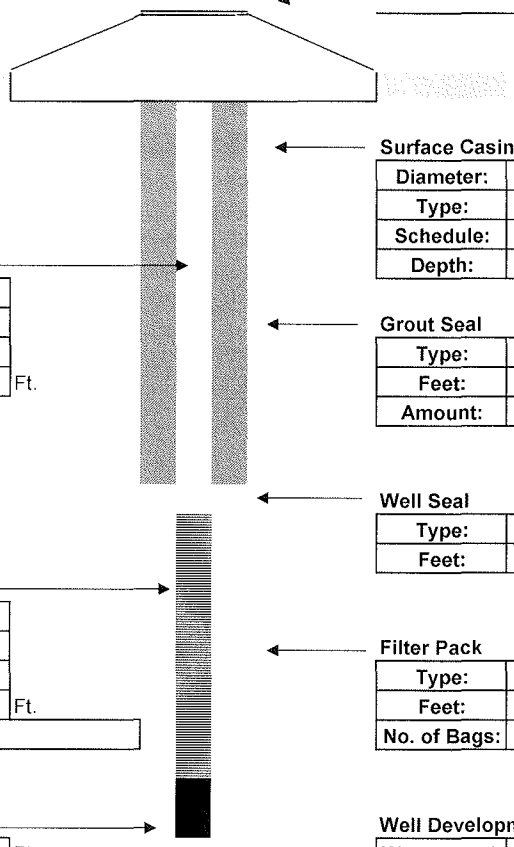
Work Order: 1011014
Type of Well: Injection
Well Number: IW 27 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

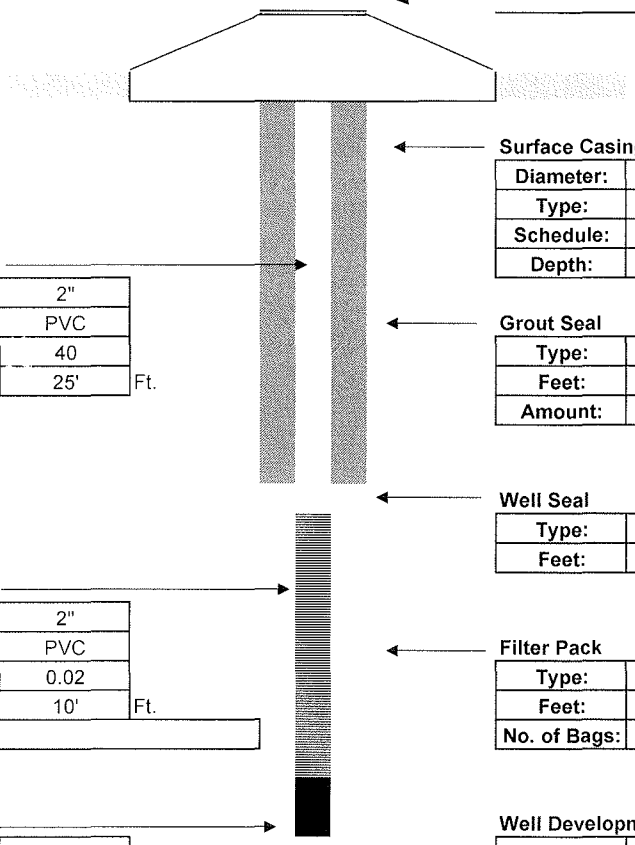
Work Order: 1011014
Type of Well: Injection
Well Number: IW 26 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

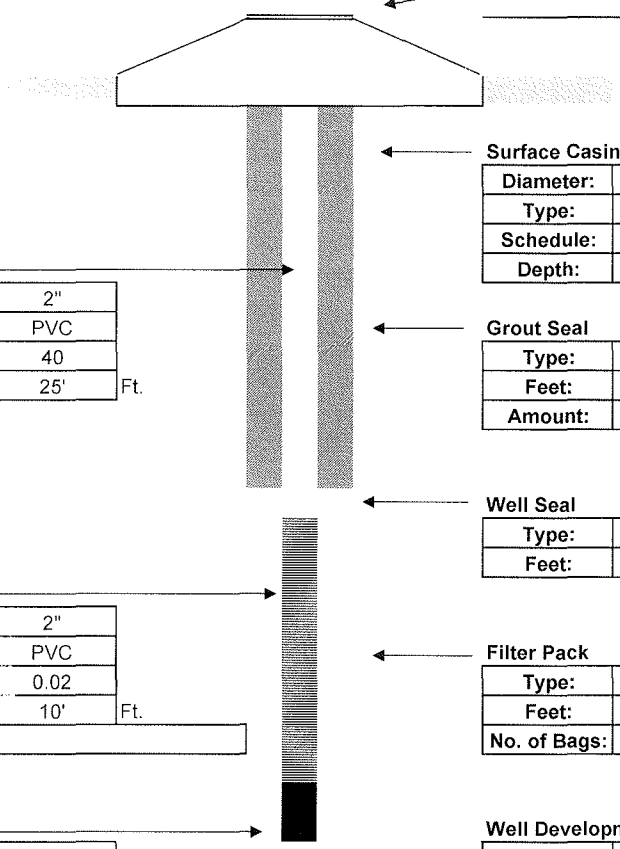
Work Order: 1011014
Type of Well: Injection
Well Number: IW 25 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

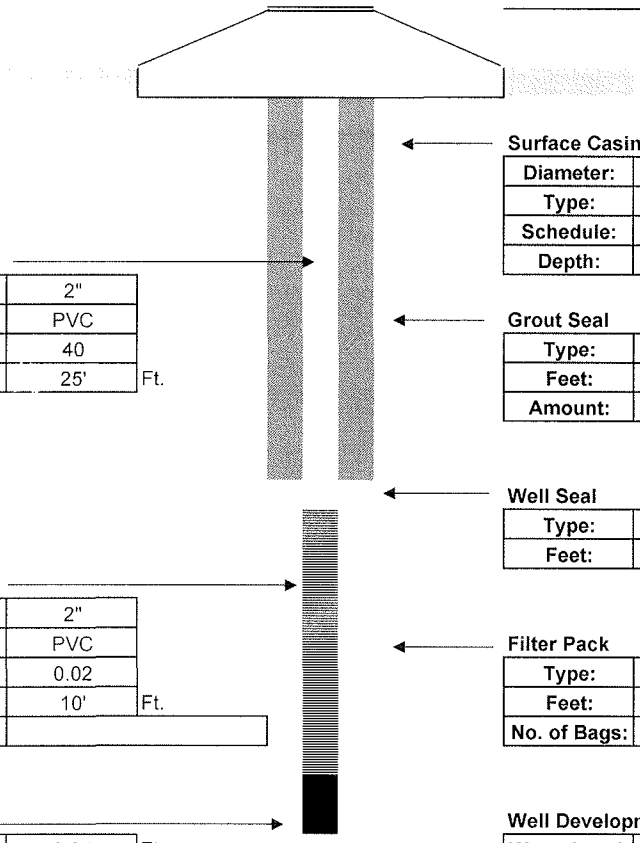
Work Order: 1011014
Type of Well: Injection
Well Number: IW 31 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

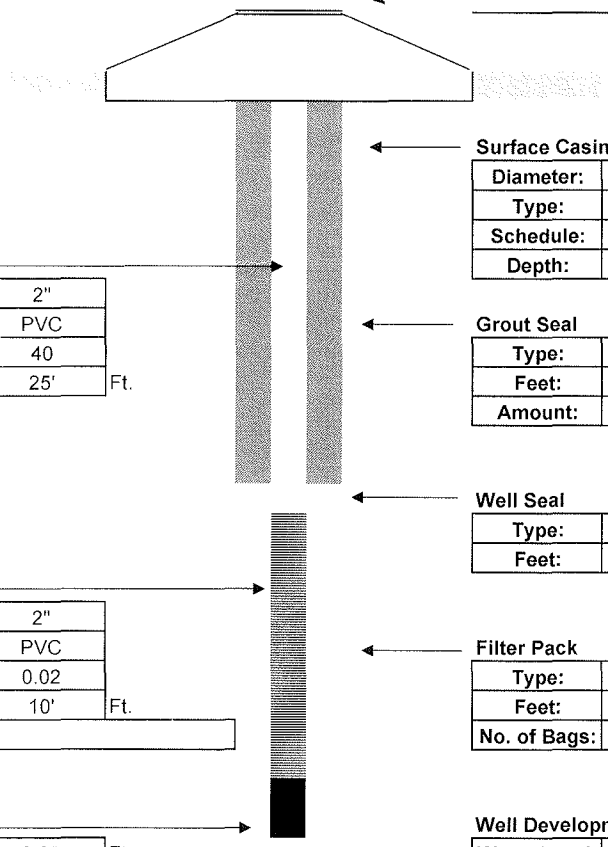
Work Order: 1011014
Type of Well: Injection
Well Number: IW 5 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

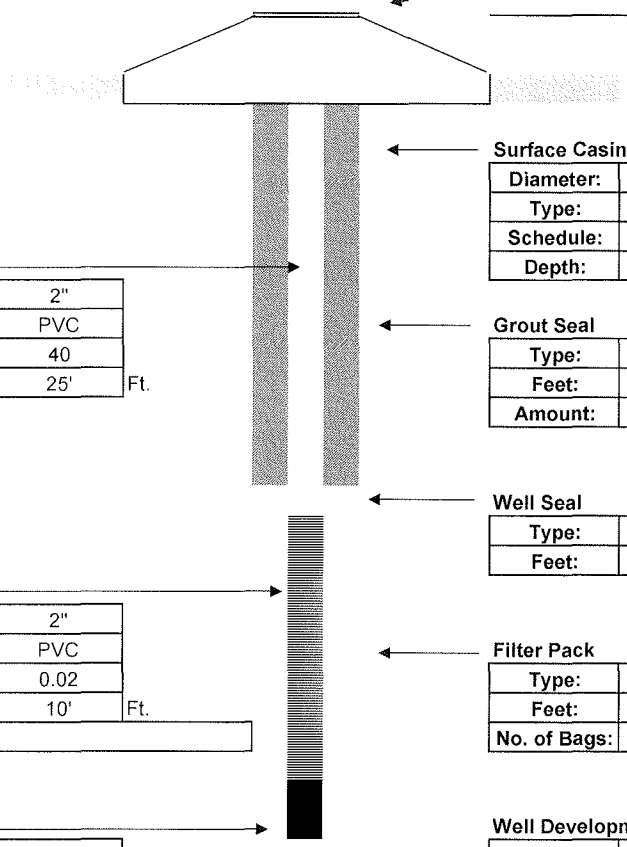
Work Order: 1011014
Type of Well: Injection
Well Number: IW 3 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ← Schedule		Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

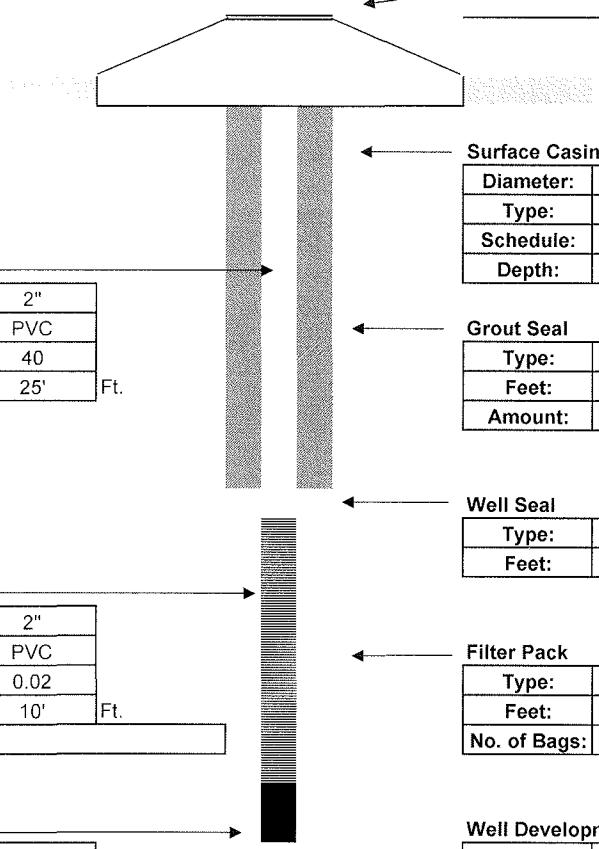
Work Order: 1011014
Type of Well: Injection
Well Number: IW 7 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	3	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	3	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Jeff Zeigler
Lead Hand:	Thomas Watson
3rd Man:	John Williams
Drill Rig:	D120B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

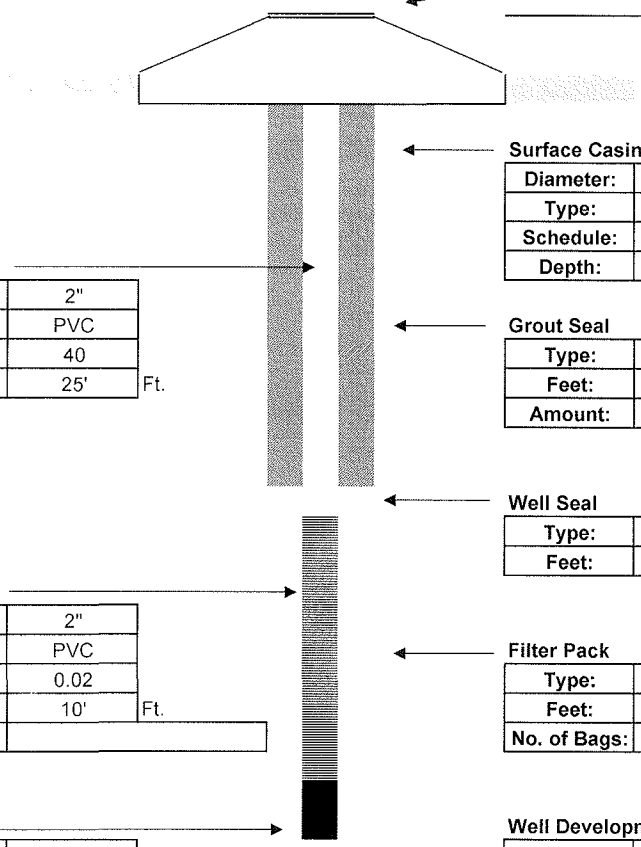
Work Order: 1011014
Type of Well: Injection
Well Number: IW 23 B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	2	6 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	2	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	6 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Kevin Valentino
Lead Hand:	Daniel Curtin
3rd Man:	
Drill Rig:	D50B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

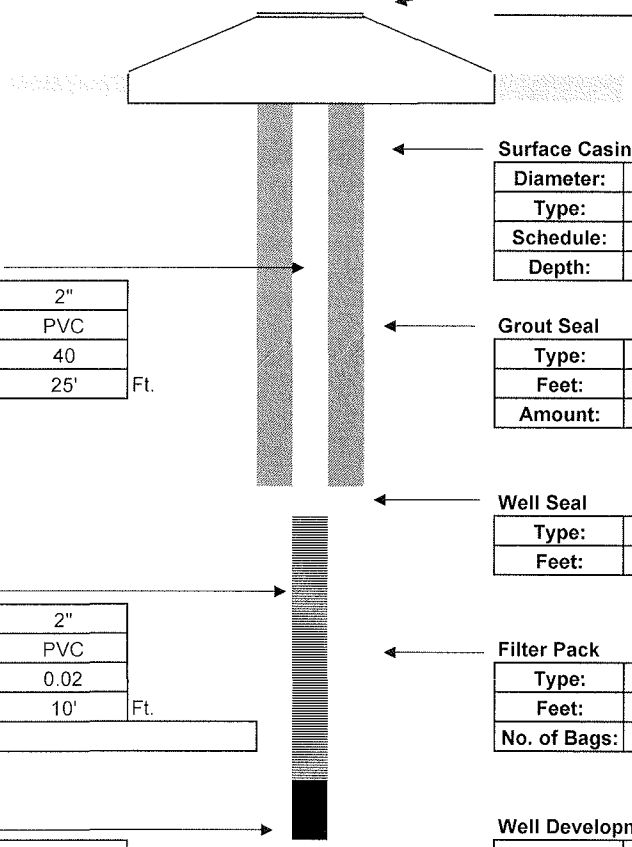
Work Order: 1011014
Type of Well: Injection
Well Number: IW 41B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	2	6 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	2	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	6 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Kevin Valentino
Lead Hand:	Daniel Curtin
3rd Man:	
Drill Rig:	D50B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

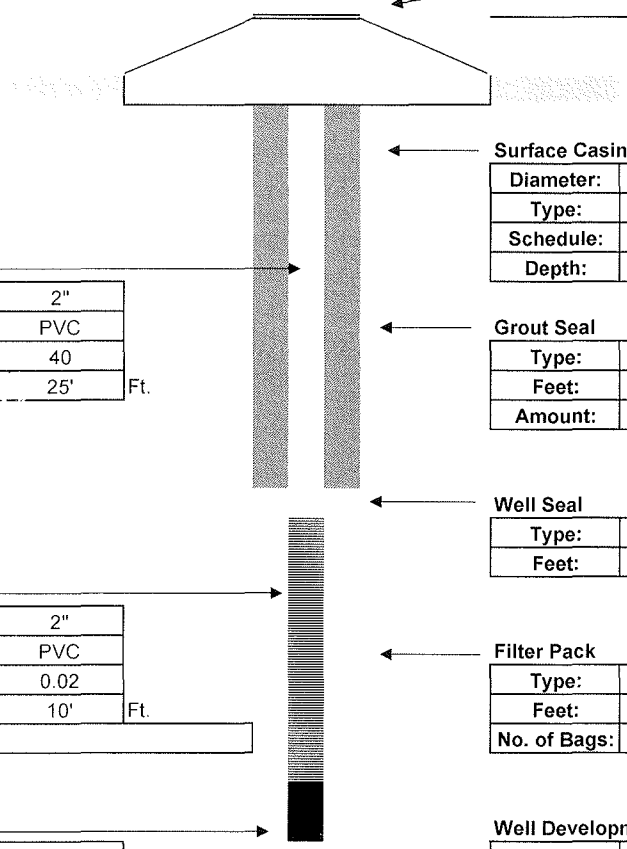
Work Order: 1011014
Type of Well: Injection
Well Number: IW 24B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	2	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	2	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Kevin Valentino
Lead Hand:	Daniel Curtin
3rd Man:	
Drill Rig:	D50B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

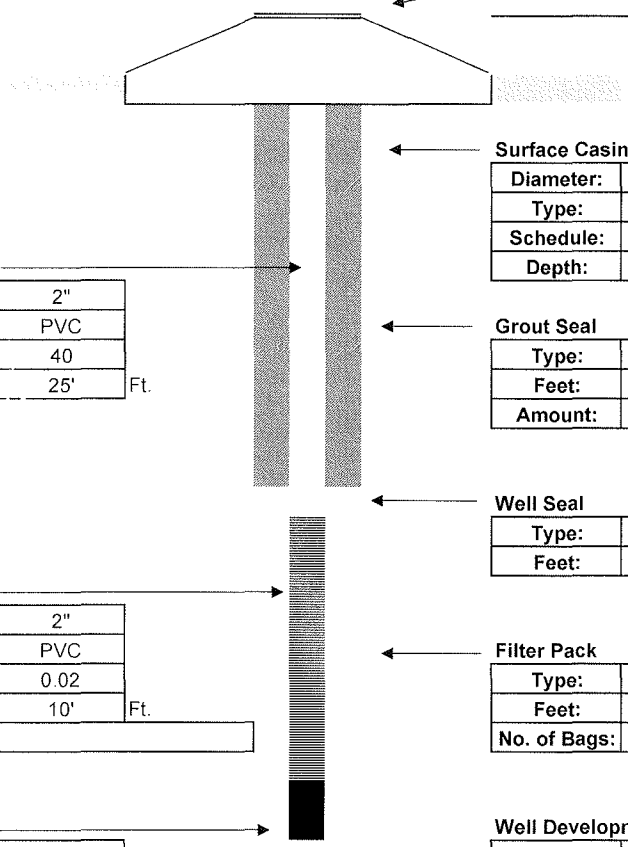
Work Order: 1011014
Type of Well: Injection
Well Number: IW 42B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	2	7 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:		**Diameter:**	
Type:		**Type:**	
Schedule:		**Schedule:**	
Depth:		**Depth:**	

Intermediate Casing

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	2	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	7 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		**Finish:**	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Kevin Valentino
Lead Hand:	Daniel Curtin
3rd Man:	
Drill Rig:	D50B

Company:	**Drillpro LLC d/b/a Groundwater Protection**
Address:	**2300 Silver Star Road**
C,S,Z:	**Orlando, Florida 32804-3310**
Phone/FAX:	**(407) 426-7885 / (407) 426-7586**

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

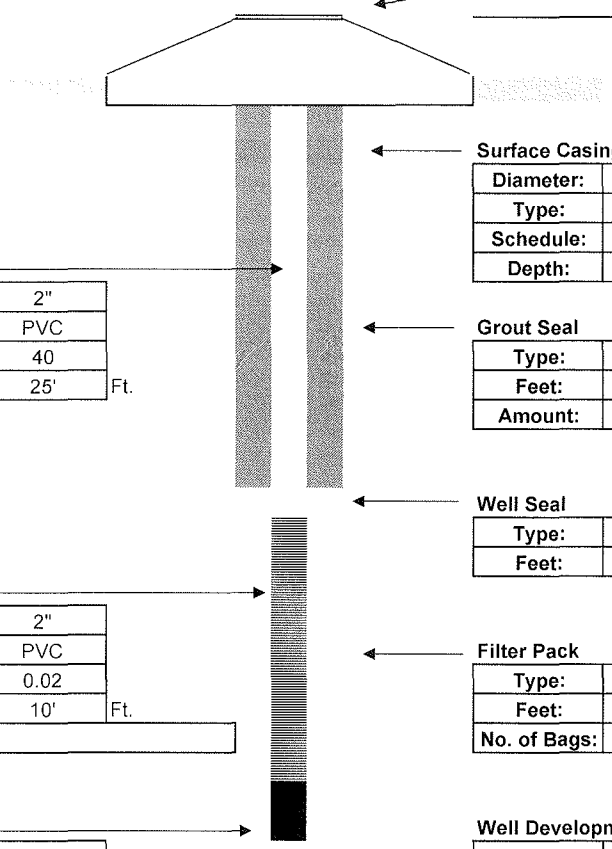
Work Order: 1011014
Type of Well: Injection
Well Number: IW 39B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	2	8 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	2	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	8 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Kevin Valentino
Lead Hand:	Daniel Curtin
3rd Man:	
Drill Rig:	D50B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

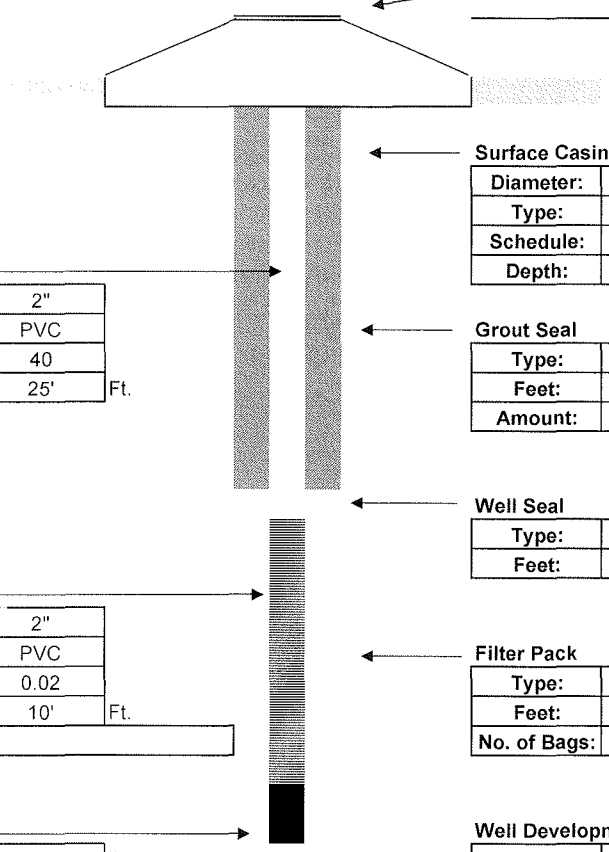
Work Order: 1011014
Type of Well: Injection
Well Number: IW 40B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	2	8 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	2	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	8 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Kevin Valentino
Lead Hand:	Daniel Curtin
3rd Man:	
Drill Rig:	D50B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

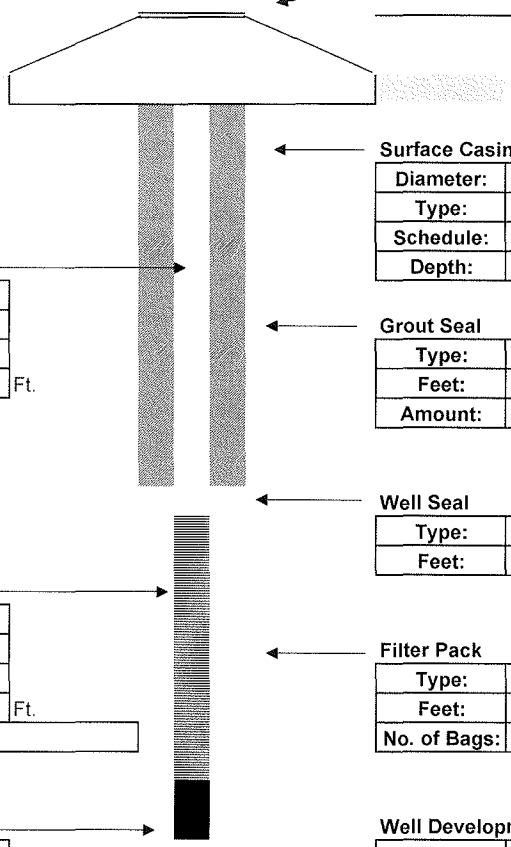
Work Order: 1011014
Type of Well: Injection
Well Number: IW 38B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	2	9 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
8" FM



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	2	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	9 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Kevin Valentino
Lead Hand:	Daniel Curtin
3rd Man:	
Drill Rig:	D50B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

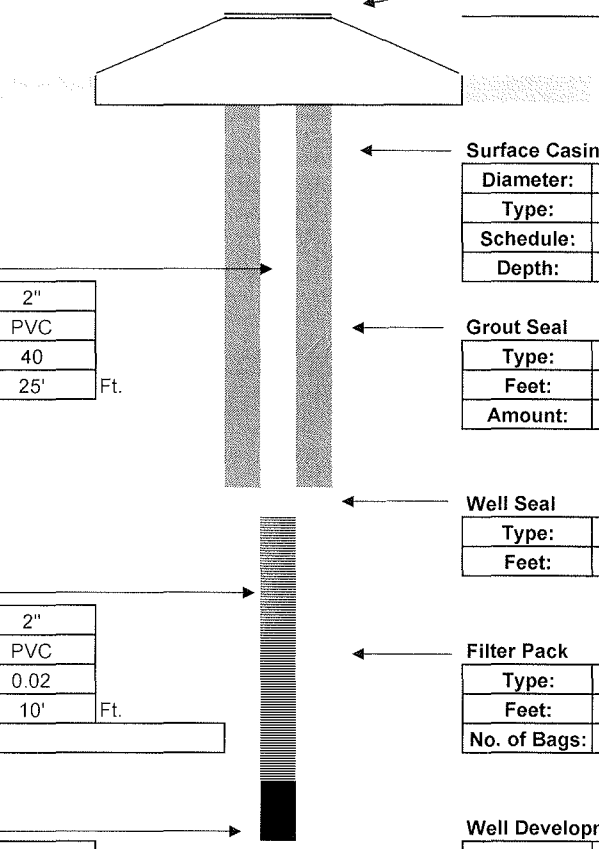
Work Order: 1011014
Type of Well: Injection
Well Number: IW 37B
Method Used: H S A
Borehole Diaz. 8.25"

Site Information:
Name: OIA (NTC)
Address: Tradeport Dr & Boggy Creek Rd.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions - IES
Field Rep: Kathryn Doll

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	35'	10'	25'	2	9 / 50 lbs.	6/20	Bent Chips
40 ←	Schedule	Slot Size: →	0.02		21'	← Feet →	12'	2'

Surface Completion
4" AGP



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	25'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	21'	
Amount:	2	Bags

Well Seal

Type:	Bent Chips
Feet:	2'

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.02	
Length:	10'	Ft.
Note:		

Filter Pack

Type:	6/20
Feet:	12'
No. of Bags:	9 / 50 lbs.

Sump

Length:	0.25	Ft.
Type:	PVC	

Well Development

Water Level:	~ 4'		
Method:	Centrifugal		
Start:		Finish:	
Time:	.5 hr		
GPM:	1.5		

Contractor Information

Contractor #:	9311
Completion:	10/13/2011
Driller:	Kevin Valentino
Lead Hand:	Daniel Curtin
3rd Man:	
Drill Rig:	D50B

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

Survey Information

ORLANDO NAVAL TRAINING CENTER
SITE OU-2
MONITOR WELL TABULATION

Project No. 152044.99.22.92.90
Field Surveys Oct. 28/29, 2002

Note: Horizontal Datum in NAD (North American Datum) 83 (1990) SPC Fl. E. US Survey Ft..
Vertical Datum is NAVD (North American Vertical Datum) 88.

			----------Elevation----------		
Description	**North Coord.**	**East Coord.**	**TOC**	**Out/Case (*)F/M Rim**	**Conc./Gnd.**
Survey Control Points:					
12 (Scribed "X")	1484749.319	544187.488	-------	-------	93.951
13 (1X2 Stake & tack)	1485182.852	544831.012	-------	-------	93.863
14 (Re Bar & Cap)	1485611.402	545735.718	-------	-------	90.206
15 (Re Bar & cap)	1484910.771	545727.521	-------	-------	91.388
16 (Re Bar & Cap)	1485746.863	546593.039	-------	-------	88.423
17 (Nail & Washer)	1485754.080	547295.252	-------	-------	88.097
18 (Nail & Washer)	1486883.908	547312.070	-------	-------	90.324
Monitor Wells:					
6020 (Old-OU2-02A)	1487055.53	547448.40	91.535	91.64	88.37
6025 (OLD-OU2-02B)	1487051.99	547450.30	91.76	91.77	88.50
6030 (OLD-OU2-03A)	1486789.32	547447.19	89.205	89.365	86.03
6035 (OLD-OU2-03B)	1486787.50	547450.77	89.18	89.31	85.98
6060 (OLD-OU2-06A)	1485590.28	547474.60	89.43	89.61	86.26
6080 (OLD-OU2-08A)	1485737.16	546572.43	91.535	91.665	87.97
6085 (OLD-OU2-08B)	1485738.02	546566.32	91.475	91.645	87.93
6110 (OLD-OU2-11A)	1485628.51	545761.10	92.145	92.365	89.32
6120 (OLD-OU2-12A)	1485186.16	545734.02	90.64	**(*)**90.90	90.8
6125 (OLD-OU2-12B)	1485192.39	545734.27	90.48	**(*)**90.85	90.7
6150 (OLD-OU2-15A)	1484321.72	546031.68	90.59	**(*)**90.77	90.7
6155 (OLD-OU2-15B)	1484328.16	546032.32	90.545	**(*)**90.73	90.6
6180 (OLD-OU2-18A)	1484086.53	545738.88	90.23	**(*)**90.41	89.9
6185 (OLD-OU2-18B)	1484080.57	545738.41	89.955	**(*)**90.35	90.2
6210 (OLD-OU2-21A)	1485030.22	544572.97	93.865	93.90	91.24
6215 (OLD-OU2-21B)	1485031.68	544565.81	94.00	94.09	91.25

Originally from: \\nusoakfp1\shared\Common\Orlando\OU 2\survey

ORLANDO NAVAL TRAINING CENTER
OPERABLE UNIT 2
MONITOR WELL TABULATION

Harding ESE
Date Survey: March 18, 2002
For Info Call (843) 820-5566

No.	Well ID	Elev	Northing	Easting	Lat.	Long.
6229	OLD-OU2-29B	86.79	1486764.823	546714.0729	-81.2026	28.2524
6129	OLD-OU2-29A	86.99	1486764.509	546716.8368	-81.2026	28.2524
6130	OLD-OU2-30A	88.68	1486812.902	547312.7261	-81.2019	28.2524
6230	OLD-OU2-30B	88.31	1486812.268	547314.5095	-81.2019	28.2524
6131	OLD-OU2-31A	93.81	1484979.373	545706.9029	-81.2037	28.2506
6231	OLD-OU2-31B	93.53	1484983.272	545706.9982	-81.2037	28.2506
6132	OLD-OU2-32A	93.94	1484290.752	545200.7566	-81.2043	28.2459
6232	OLD-OU2-32B	94.06	1484291.008	545196.3172	-81.2043	28.2459
6133	OLD-OU2-33A	93.7	1483945.623	545585.7454	-81.2038	28.2456
6233	OLD-OU2-33B	93.42	1483941.452	545585.3407	-81.2038	28.2456
6134	OLD-OU2-34A	90.06	1487701.822	547450.2017	-81.2018	28.2533
6235	OLD-OU2-35B	89.21	1485582.201	547474.9802	-81.2017	28.2512
6136	OLD-OU2-36A	89.67	1485290.32	547198.7035	-81.202	28.2509
6237	OLD-OU2-37B	92.67	1485624.572	545754.8976	-81.2037	28.2513

Well Survey
Operable Unit 2
Naval Training Center
Orlando, Florida

Well ID	Easting X	Northing Y	TOC Elev.	Ground Elev.
OLD-OU2-38A	545712.85	1485034.35	90.69	90.70
OLD-OU2-38B	545712.78	1485041.19	90.60	90.70
OLD-OU2-39A	545716.74	1484357.96	89.63	89.70
OU2-MW-39B	545716.86	1484363.24	89.30	89.70
OLD-OU2-40A	545715.26	1484060.38	89.42	89.50
OLD-OU2-40B	545715.28	1484064.96	89.44	89.50
OLD-OU2-41A	545713.73	1483906.53	89.51	89.60
OLD-OU2-41B	545713.48	1483911.85	89.49	89.60
OLD-OU2-42B	545716.67	1484296.88	89.60	89.70
OLD-OU2-43B	545715.59	1484236.91	89.37	89.60
OLD-OU2-44B	545713.87	1484038.07	89.39	89.30
OLD-OU2-45B	545715.65	1484012.50	89.38	89.50
OU2-PZ-26A	545704.46	1484277.98	88.80	89.00
OU2-PZ-26B	545704.17	1484282.84	89.01	89.10
OU2-PZ-27A	545698.98	1484060.67	88.89	89.00
OU2-PZ-27B	545699.25	1484065.83	88.85	88.90
OU2-PZ-28A	545695.38	1483836.98	88.48	88.70
OU2-PZ-28B	545695.68	1483842.04	88.70	88.80
OU2-PZ-29A	545730.82	1484277.97	90.30	90.40
OU2-PZ-29B	545730.65	1484283.16	90.22	90.40
OU2-PZ-30A	545733.58	1484059.38	90.28	90.50
OU2-PZ-30B	545733.57	1484064.26	90.31	90.40
OU2-PZ-31A	545734.25	1483836.71	90.19	90.30
OU2-PZ-31B	545733.82	1483840.98	90.07	90.30

Operable Unit 2
Well Survey
NTC ORLANDO

Well ID	Easting	Northing	TOC	Ground
OLD-OU2-46A	545720.89	1484212.10	89.64	89.80
OLD-OU2-46B	545715.91	1484212.21	89.23	89.38
OLD-OU2-47A	545721.04	1484224.83	89.56	89.56
OLD-OU2-47B	545721.11	1484228.57	89.58	89.67
OLD-OU2-48A	545720.45	1484051.41	89.64	89.68
OLD-OU2-48B	545720.60	1484055.22	89.62	89.71
OLD-OU2-49A	545656.48	1484153.22	89.60	89.66
OLD-OU2-49B	545658.37	1484150.87	89.62	89.68
OLD-OU2-50A	545703.06	1484152.32	87.52	87.45
OLD-OU2-50B	545702.63	1484150.65	87.57	87.58
OLD-OU2-51A	545734.43	1484153.93	90.79	90.66
OLD-OU2-51B	545734.45	1484152.27	90.72	90.54
OLD-OU2-52A	545668.74	1484085.01	88.48	88.54
OLD-OU2-52B	545666.09	1484083.44	88.46	88.53
OLD-OU2-53A	545706.74	1484084.76	88.36	88.44
OLD-OU2-53B	545705.72	1484081.74	88.31	88.05

Inspection Forms

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-01A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	10:20
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	0.00	Survey Northing	0.0000
Screen Interval (ft)		Survey Easting	0.0000
Well Diameter (in)	0	North (decimal degrees)	24.32054265
Well Material	PVC SCH 40	East (decimal degrees)	-82.9703366
Completion Type:		TOC Elevation	0

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-01B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	10:22
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	29.15	Survey Northing	1,487,712.1800
Screen Interval (ft)	23.9-28.9	Survey Easting	547,453.0900
Well Diameter (in)	2	North (decimal degrees)	28.42593014
Well Material	PVC SCH 40	East (decimal degrees)	-81.33823617
Completion Type:		TOC Elevation	90.05

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-02A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	10:08
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	20.35	Survey Northing	148,053.9500
Screen Interval (ft)	7.4-17.4	Survey Easting	547,448.2700
Well Diameter (in)	2	North (decimal degrees)	24.74040702
Well Material	PVC SCH 40	East (decimal degrees)	-81.32758882
Completion Type:		TOC Elevation	91.55

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-02B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	10:08
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	32.50	Survey Northing	1,487,049.9800
Screen Interval (ft)	27.1-32.1	Survey Easting	547,450.2400
Well Diameter (in)	2	North (decimal degrees)	28.42410882
Well Material	PVC SCH 40	East (decimal degrees)	-81.33823924
Completion Type:	Flush Mount	TOC Elevation	91.77

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-03A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:55
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	20.50	Survey Northing	1,486,787.5700
Screen Interval (ft)	7.5-17.5	Survey Easting	54,746.7500
Well Diameter (in)	2	North (decimal degrees)	28.41095574
Well Material	PVC SCH 40	East (decimal degrees)	-82.87073305
Completion Type:		TOC Elevation	89.21

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen,properly attached,standard t	Replace Well Tag	No
Well Cover	good	Replace Well Cover	Yes
Well Cap	damaged	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-03B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:55
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	35.50	Survey Northing	1,486,787.0200
Screen Interval (ft)	27.4-32.4	Survey Easting	547,450.3900
Well Diameter (in)	2	North (decimal degrees)	28.42338559
Well Material	PVC SCH 40	East (decimal degrees)	-81.33823648
Completion Type:		TOC Elevation	89.165

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	Yes
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-04A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	13:47
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	18.00	Survey Northing	1,484,185.6890
Screen Interval (ft)	8.01-18	Survey Easting	545,528.2131
Well Diameter (in)	2	North (decimal degrees)	28.41621598
Well Material	PVC SCH 40	East (decimal degrees)	-81.3441935
Completion Type:		TOC Elevation	87.88

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good, unlocked	Replace Well Cap	No
Well Lock	Master	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-04B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	13:49
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	32.00	Survey Northing	1,484,190.6890
Screen Interval (ft)	27-32	Survey Easting	545,528.2131
Well Diameter (in)	2	North (decimal degrees)	28.41622974
Well Material	PVC SCH 40	East (decimal degrees)	-81.34419355
Completion Type:		TOC Elevation	87.9

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Master	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-05A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:46
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	20.80	Survey Northing	1,486,213.7600
Screen Interval (ft)	7.8-17.8	Survey Easting	547,474.8700
Well Diameter (in)	2	North (decimal degrees)	28.4218091
Well Material	PVC SCH 40	East (decimal degrees)	-81.33815531
Completion Type:		TOC Elevation	91.925

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	Yes
Well Cap	damaged	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-05B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:45
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	48.60	Survey Northing	1,486,217.1300
Screen Interval (ft)	40.7-45.7	Survey Easting	547,472.7400
Well Diameter (in)	2	North (decimal degrees)	28.42181835
Well Material	PVC SCH 40	East (decimal degrees)	-81.33816196
Completion Type:		TOC Elevation	92.045

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-06A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:36
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	20.40	Survey Northing	1,485,588.6400
Screen Interval (ft)	7.4-17.4	Survey Easting	547,474.0500
Well Diameter (in)	2	North (decimal degrees)	28.42008978
Well Material	PVC SCH 40	East (decimal degrees)	-81.3381524
Completion Type:		TOC Elevation	89.36

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	damaged	Replace Well Cover	Yes
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-06B
Facility Location	Orlando, FL 32813	**Inspection Date**	11/18/2007
Site Name	Operable Unit 2	**Inspection Time**	8:49
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-07B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:29
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	31.97	Survey Northing	1,485,290.6400
Screen Interval (ft)	26.4-31.4	Survey Easting	547,193.8700
Well Diameter (in)	2	North (decimal degrees)	28.41926801
Well Material	PVC SCH 40	East (decimal degrees)	-81.33902144
Completion Type:		TOC Elevation	89.725

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

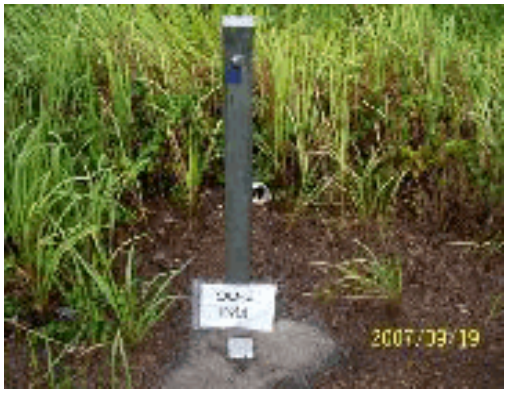
TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-08A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:18
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	18.35	Survey Northing	1,485,735.6300
Screen Interval (ft)	8.01-18	Survey Easting	546,572.2200
Well Diameter (in)	2	North (decimal degrees)	28.42048706
Well Material	PVC SCH 40	East (decimal degrees)	-81.34095932
Completion Type:		TOC Elevation	91.495

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH



COMMENTS

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TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-08B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:18
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	39.35	Survey Northing	1,485,736.5400
Screen Interval (ft)	34.5-39.5	Survey Easting	546,566.1600
Well Diameter (in)	2	North (decimal degrees)	28.42048952
Well Material	PVC SCH 40	East (decimal degrees)	-81.34097818
Completion Type:		TOC Elevation	91.435

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW/JC

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-09A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	13:38
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	17.45	Survey Northing	1,485,610.8800
Screen Interval (ft)	7.01-17	Survey Easting	546,078.2200
Well Diameter (in)	2	North (decimal degrees)	28.4201401
Well Material	PVC SCH 40	East (decimal degrees)	-81.34249508
Completion Type:		TOC Elevation	91.78

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-09B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	13:37
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	39.30	Survey Northing	1,485,611.4200
Screen Interval (ft)	35.4-40.4	Survey Easting	546,084.1300
Well Diameter (in)	2	North (decimal degrees)	28.42014163
Well Material	PVC SCH 40	East (decimal degrees)	-81.3424767
Completion Type:		TOC Elevation	91.83

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-10A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	13:08
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	15.00	Survey Northing	1,485,139.1260
Screen Interval (ft)	5.01-15	Survey Easting	546,378.8070
Well Diameter (in)	2	North (decimal degrees)	28.41884495
Well Material	PVC SCH 40	East (decimal degrees)	-81.34155578
Completion Type:		TOC Elevation	90.08

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	partially buried	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Master	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-10B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	13:09
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	36.00	Survey Northing	1,485,133.0140
Screen Interval (ft)	31-36	Survey Easting	546,380.0366
Well Diameter (in)	2	North (decimal degrees)	28.41882815
Well Material	PVC SCH 40	East (decimal degrees)	-81.3415519
Completion Type:		TOC Elevation	90.28

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	partially buried	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	damaged	Replace Well Cap	No
Well Lock	Master	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-11A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:15
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	18.03	Survey Northing	1,485,627.2700
Screen Interval (ft)	7.4-17.4	Survey Easting	545,760.6800
Well Diameter (in)	2	North (decimal degrees)	28.42018269
Well Material	PVC SCH 40	East (decimal degrees)	-81.34348311
Completion Type:		TOC Elevation	92.13

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-11B
Facility Location	Orlando, FL 32813	**Inspection Date**	11/18/2007
Site Name	Operable Unit 2	**Inspection Time**	8:26
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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TERRAINE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-12A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	12:13
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	14.54	Survey Northing	1,485,184.8700
Screen Interval (ft)	5.01-15	Survey Easting	545,733.4300
Well Diameter (in)	2	North (decimal degrees)	28.41896571
Well Material	PVC SCH 40	East (decimal degrees)	-81.34356396
Completion Type:		TOC Elevation	90.54

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Master	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-12B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	12:15
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	34.92	Survey Northing	1,485,191.0200
Screen Interval (ft)	29.8-34.8	Survey Easting	545,733.7300
Well Diameter (in)	2	North (decimal degrees)	28.41898263
Well Material	PVC SCH 40	East (decimal degrees)	-81.34356308
Completion Type:		TOC Elevation	90.4

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Master	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-13A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	13:19
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	14.40	Survey Northing	1,485,018.6800
Screen Interval (ft)	3.9-13.9	Survey Easting	545,933.1400
Well Diameter (in)	2	North (decimal degrees)	28.41851019
Well Material	PVC SCH 40	East (decimal degrees)	-81.34294118
Completion Type:		TOC Elevation	91.11

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	damaged	Replace Well Cap	Yes
Well Lock	Master	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-13B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	13:20
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	33.55	Survey Northing	1,485,024.3500
Screen Interval (ft)	25.6-30.6	Survey Easting	545,933.5200
Well Diameter (in)	2	North (decimal degrees)	28.41852579
Well Material	PVC SCH 40	East (decimal degrees)	-81.34294005
Completion Type:		TOC Elevation	91.08

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	Damaged	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

PVC casing is higher than well vault. See picture for details.

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-14A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	12:02
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	15.59	Survey Northing	1,484,725.9900
Screen Interval (ft)	5.09-15.09	Survey Easting	545,733.6400
Well Diameter (in)	2	North (decimal degrees)	28.41770362
Well Material	PVC SCH 40	East (decimal degrees)	-81.34355923
Completion Type:		TOC Elevation	90.1

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Master, not attached	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-14B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	12:04
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	34.30	Survey Northing	1,484,720.8600
Screen Interval (ft)	28.8-33.8	Survey Easting	545,733.3000
Well Diameter (in)	2	North (decimal degrees)	28.41768951
Well Material	PVC SCH 40	East (decimal degrees)	-81.34356024
Completion Type:		TOC Elevation	89.98

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Master	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-15A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	13:25
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	15.00	Survey Northing	1,484,320.0390
Screen Interval (ft)	5.01-15	Survey Easting	546,031.1881
Well Diameter (in)	2	North (decimal degrees)	28.41658944
Well Material	PVC SCH 40	East (decimal degrees)	-81.34262997
Completion Type:		TOC Elevation	90.62

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Master	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

vault filled with sand

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-15B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	13:27
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	40.00	Survey Northing	1,484,326.5630
Screen Interval (ft)	35-40	Survey Easting	546,031.8549
Well Diameter (in)	2	North (decimal degrees)	28.41660739
Well Material	PVC SCH 40	East (decimal degrees)	-81.34262795
Completion Type:		TOC Elevation	90.56

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	damaged	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

vault filled with sand

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-16A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	12:56
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	14.00	Survey Northing	1,483,916.6710
Screen Interval (ft)	4.01-14	Survey Easting	546,262.7119
Well Diameter (in)	2	North (decimal degrees)	28.41548184
Well Material	PVC SCH 40	East (decimal degrees)	-81.34190615
Completion Type:		TOC Elevation	90.44

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried, not preseny	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

buried, damaged by mowing activities

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-16B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	12:55
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	36.00	Survey Northing	1,483,922.8840
Screen Interval (ft)	31-36	Survey Easting	546,262.8511
Well Diameter (in)	2	North (decimal degrees)	28.41549893
Well Material	PVC SCH 40	East (decimal degrees)	-81.34190577
Completion Type:		TOC Elevation	90.39

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried, good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Master	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

buried

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-17A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	12:47
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	14.48	Survey Northing	1,483,976.4600
Screen Interval (ft)	4.01-14	Survey Easting	545,937.0200
Well Diameter (in)	2	North (decimal degrees)	28.41564373
Well Material	PVC SCH 40	East (decimal degrees)	-81.34291988
Completion Type:		TOC Elevation	90.26

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried, good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	damaged	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

buried

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-17B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	12:47
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	34.52	Survey Northing	1,483,982.9300
Screen Interval (ft)	29-34	Survey Easting	545,936.4900
Well Diameter (in)	2	North (decimal degrees)	28.41566153
Well Material	PVC SCH 40	East (decimal degrees)	-81.34292158
Completion Type:		TOC Elevation	90.22

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried, good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Master	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

buried

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-18A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	11:49
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	14.47	Survey Northing	1,484,085.0100
Screen Interval (ft)	4.01-14	Survey Easting	545,738.1700
Well Diameter (in)	2	North (decimal degrees)	28.41594073
Well Material	PVC SCH 40	East (decimal degrees)	-81.34353945
Completion Type:		TOC Elevation	90.2

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	None	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Master	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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TERRAINE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-18B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	11:55
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	33.63	Survey Northing	1,484,079.0200
Screen Interval (ft)	28.6-33.6	Survey Easting	545,737.6800
Well Diameter (in)	2	North (decimal degrees)	28.41592425
Well Material	PVC SCH 40	East (decimal degrees)	-81.34354092
Completion Type:		TOC Elevation	89.89

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Master	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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TERRAINE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-19A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	12:35
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	14.00	Survey Northing	1,483,560.2390
Screen Interval (ft)	4.01-14	Survey Easting	545,890.9329
Well Diameter (in)	2	North (decimal degrees)	28.41449861
Well Material	PVC SCH 40	East (decimal degrees)	-81.34305956
Completion Type:		TOC Elevation	89.54

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	Damaged	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-19B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	12:38
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	36.00	Survey Northing	1,483,553.9500
Screen Interval (ft)	31-36	Survey Easting	545,891.9394
Well Diameter (in)	2	North (decimal degrees)	28.41448132
Well Material	PVC SCH 40	East (decimal degrees)	-81.34305637
Completion Type:		TOC Elevation	89.27

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Master	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-20A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	11:29
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	17.95	Survey Northing	1,483,516.8900
Screen Interval (ft)	5.2-15.2	Survey Easting	545,171.0900
Well Diameter (in)	2	North (decimal degrees)	28.41437373
Well Material	PVC SCH 40	East (decimal degrees)	-81.34529852
Completion Type:		TOC Elevation	90.93

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	Good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-20B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	11:29
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	42.02	Survey Northing	1,483,511.6200
Screen Interval (ft)	35-40	Survey Easting	545,166.9900
Well Diameter (in)	2	North (decimal degrees)	28.4143592
Well Material	PVC SCH 40	East (decimal degrees)	-81.34531123
Completion Type:		TOC Elevation	90.97

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good, does not close	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-21A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	8:01
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	17.22	Survey Northing	1,485,030.9500
Screen Interval (ft)	6.8-16.8	Survey Easting	544,571.7000
Well Diameter (in)	2	North (decimal degrees)	28.41853321
Well Material	PVC SCH 40	East (decimal degrees)	-81.34717673
Completion Type:		TOC Elevation	93.79

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-21B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	8:18
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	32.70	Survey Northing	1,485,032.3800
Screen Interval (ft)	27.5-32.5	Survey Easting	544,564.7900
Well Diameter (in)	2	North (decimal degrees)	28.41853709
Well Material	PVC SCH 40	East (decimal degrees)	-81.34719824
Completion Type:		TOC Elevation	93.93

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-22A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	14:28
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	17.00	Survey Northing	1,486,667.9600
Screen Interval (ft)	7.3-17.3	Survey Easting	545,521.8300
Well Diameter (in)	2	North (decimal degrees)	28.42304309
Well Material	PVC SCH 40	East (decimal degrees)	-81.34423544
Completion Type:		TOC Elevation	91.425

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-22B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	14:28
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	31.02	Survey Northing	1,486,664.6900
Screen Interval (ft)	27-32	Survey Easting	545,520.2700
Well Diameter (in)	2	North (decimal degrees)	28.42303409
Well Material	PVC SCH 40	East (decimal degrees)	-81.34424026
Completion Type:		TOC Elevation	91.435

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-23C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	14:18
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	54.00	Survey Northing	1,486,592.3070
Screen Interval (ft)	49-54	Survey Easting	545,514.6167
Well Diameter (in)	2	North (decimal degrees)	28.42283496
Well Material	PVC SCH 40	East (decimal degrees)	-81.34425721
Completion Type:		TOC Elevation	92

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-24C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	13:50
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	64.00	Survey Northing	1,484,174.6890
Screen Interval (ft)	59-64	Survey Easting	545,528.2131
Well Diameter (in)	2	North (decimal degrees)	28.41618573
Well Material	PVC SCH 40	East (decimal degrees)	-81.3441934
Completion Type:		TOC Elevation	90.97

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-25C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	8:57
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	72.00	Survey Northing	1,484,171.2660
Screen Interval (ft)	68-72	Survey Easting	545,532.8018
Well Diameter (in)	2	North (decimal degrees)	28.41617635
Well Material	PVC SCH 40	East (decimal degrees)	-81.3441791
Completion Type:		TOC Elevation	91.17

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-26C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	8:57
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	60.00	Survey Northing	1,484,176.0260
Screen Interval (ft)	55-60	Survey Easting	545,528.9973
Well Diameter (in)	2	North (decimal degrees)	28.41618941
Well Material	PVC SCH 40	East (decimal degrees)	-81.34419098
Completion Type:		TOC Elevation	91.25

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-27A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	8:11
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	19.43	Survey Northing	1,485,041.7000
Screen Interval (ft)	6.01-16	Survey Easting	545,119.4000
Well Diameter (in)	2	North (decimal degrees)	28.41856711
Well Material	PVC SCH 40	East (decimal degrees)	-81.34547293
Completion Type:		TOC Elevation	95.31

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-27B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	8:11
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	35.27	Survey Northing	1,485,044.9000
Screen Interval (ft)	27-32	Survey Easting	545,117.4000
Well Diameter (in)	2	North (decimal degrees)	28.41857589
Well Material	PVC SCH 40	East (decimal degrees)	-81.34547918
Completion Type:		TOC Elevation	95.31

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-28A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	7:56
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	19.50	Survey Northing	1,484,654.0000
Screen Interval (ft)	6.01-16	Survey Easting	545,342.8000
Well Diameter (in)	2	North (decimal degrees)	28.41750255
Well Material	PVC SCH 40	East (decimal degrees)	-81.34477448
Completion Type:		TOC Elevation	94.53

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-28B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	7:56
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	35.29	Survey Northing	1,484,659.1000
Screen Interval (ft)	27-32	Survey Easting	545,342.3000
Well Diameter (in)	2	North (decimal degrees)	28.41751658
Well Material	PVC SCH 40	East (decimal degrees)	-81.34477608
Completion Type:		TOC Elevation	94.49

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-29A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	10:40
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	14.26	Survey Northing	1,486,764.5100
Screen Interval (ft)	5.01-15	Survey Easting	546,716.8368
Well Diameter (in)	1	North (decimal degrees)	28.42331799
Well Material	PVC SCH 40	East (decimal degrees)	-81.34051847
Completion Type:		TOC Elevation	86.99

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-29B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	10:41
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	28.95	Survey Northing	1,486,764.8200
Screen Interval (ft)	25-30	Survey Easting	546,714.0729
Well Diameter (in)	1	North (decimal degrees)	28.42331882
Well Material	PVC SCH 40	East (decimal degrees)	-81.34052707
Completion Type:		TOC Elevation	86.79

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-30A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:53
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	14.50	Survey Northing	1,486,812.9000
Screen Interval (ft)	5.01-15	Survey Easting	547,312.7261
Well Diameter (in)	1	North (decimal degrees)	28.4234557
Well Material	PVC SCH 40	East (decimal degrees)	-81.338665
Completion Type:		TOC Elevation	88.68

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-30B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:53
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	28.80	Survey Northing	1,486,812.2700
Screen Interval (ft)	25-30	Survey Easting	547,314.5095
Well Diameter (in)	1	North (decimal degrees)	28.42345398
Well Material	PVC SCH 40	East (decimal degrees)	-81.33865944
Completion Type:		TOC Elevation	88.31

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-31A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:08
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	17.75	Survey Northing	1,484,979.3700
Screen Interval (ft)	5.01-15	Survey Easting	545,706.9029
Well Diameter (in)	1	North (decimal degrees)	28.4184003
Well Material	PVC SCH 40	East (decimal degrees)	-81.34364466
Completion Type:		TOC Elevation	93.81

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-31B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:08
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	32.80	Survey Northing	1,484,983.2720
Screen Interval (ft)	25-30	Survey Easting	545,706.9982
Well Diameter (in)	1	North (decimal degrees)	28.41841104
Well Material	PVC SCH 40	East (decimal degrees)	-81.34364439
Completion Type:		TOC Elevation	93.53

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW/JC

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-32A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	8:01
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	17.62	Survey Northing	1,484,290.7520
Screen Interval (ft)	5.01-15	Survey Easting	545,200.7566
Well Diameter (in)	1	North (decimal degrees)	28.41650237
Well Material	PVC SCH 40	East (decimal degrees)	-81.34521313
Completion Type:		TOC Elevation	93.94

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW/JC

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-32B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	8:01
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	33.30	Survey Northing	1,484,291.0080
Screen Interval (ft)	25-30	Survey Easting	545,196.3172
Well Diameter (in)	1	North (decimal degrees)	28.41650304
Well Material	PVC SCH 40	East (decimal degrees)	-81.34522694
Completion Type:		TOC Elevation	94.06

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW/JC

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-33A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	8:40
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	17.60	Survey Northing	1,483,945.6230
Screen Interval (ft)	5.01-15	Survey Easting	545,585.7454
Well Diameter (in)	1	North (decimal degrees)	28.41555617
Well Material	PVC SCH 40	East (decimal degrees)	-81.34401239
Completion Type:		TOC Elevation	93.7

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW/JC

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-33B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	8:40
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	33.35	Survey Northing	1,483,941.4520
Screen Interval (ft)	25-30	Survey Easting	545,585.3407
Well Diameter (in)	1	North (decimal degrees)	28.41554469
Well Material	PVC SCH 40	East (decimal degrees)	-81.34401361
Completion Type:		TOC Elevation	93.42

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW/JC

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-34A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	10:10
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	18.25	Survey Northing	1,487,701.8220
Screen Interval (ft)	8.01-18	Survey Easting	547,450.2017
Well Diameter (in)	1	North (decimal degrees)	28.42590163
Well Material	PVC SCH 40	East (decimal degrees)	-81.33824506
Completion Type:		TOC Elevation	90.06

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	damaged	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW/JC

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-35B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:36
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	33.00	Survey Northing	1,485,582.2010
Screen Interval (ft)	25-30	Survey Easting	547,474.9802
Well Diameter (in)	1	North (decimal degrees)	28.42007208
Well Material	PVC SCH 40	East (decimal degrees)	-81.33814945
Completion Type:		TOC Elevation	89.21

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen,properly attached,standard t	Replace Well Tag	No
Well Cover	damaged	Replace Well Cover	Yes
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

Paint pen indicates 35B, label on ground is 06B.

SIGNATURE

LW/JC

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-36A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:29
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	17.38	Survey Northing	1,485,290.3200
Screen Interval (ft)	5.01-15	Survey Easting	547,198.7035
Well Diameter (in)	1	North (decimal degrees)	28.41926716
Well Material	PVC SCH 40	East (decimal degrees)	-81.3390064
Completion Type:		TOC Elevation	89.67

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW/JC

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-37B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	9:15
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	33.20	Survey Northing	1,485,624.5720
Screen Interval (ft)	25-30	Survey Easting	545,754.8976
Well Diameter (in)	1	North (decimal degrees)	28.42017522
Well Material	PVC SCH 40	East (decimal degrees)	-81.34350107
Completion Type:		TOC Elevation	92.67

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	Yes
Well Lock	American - Blue, 045	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

Well tag say 11B. paint tag says 37B

SIGNATURE

LW/JC

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-DP01A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	12:05
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	7.44	Survey Northing	1,484,691.5000
Screen Interval (ft)	3.5-7.5	Survey Easting	545,783.4000
Well Diameter (in)	1	North (decimal degrees)	28.41760916
Well Material	PVC SCH 40	East (decimal degrees)	-81.34340412
Completion Type:		TOC Elevation	82.68

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	None	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW/JC

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-DP01B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	12:07
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	25.06	Survey Northing	1,484,692.0000
Screen Interval (ft)	17-22	Survey Easting	545,779.5000
Well Diameter (in)	1	North (decimal degrees)	28.4176105
Well Material	PVC SCH 40	East (decimal degrees)	-81.34341626
Completion Type:		TOC Elevation	83.42

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	None	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Not applicable, pvc well.	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW/JC

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-DP02A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	11:45
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	8.70	Survey Northing	1,484,002.3000
Screen Interval (ft)	3.5-7.5	Survey Easting	545,783.6000
Well Diameter (in)	1	North (decimal degrees)	28.4157136
Well Material	PVC SCH 40	East (decimal degrees)	-81.34339738
Completion Type:		TOC Elevation	82.53

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	None	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW/JC

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-OU2-DP02B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/19/2007
Site Name	Operable Unit 2	**Inspection Time**	11:41
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	25.05	Survey Northing	1,483,998.5000
Screen Interval (ft)	17-22	Survey Easting	545,780.3000
Well Diameter (in)	1	North (decimal degrees)	28.41570312
Well Material	PVC SCH 40	East (decimal degrees)	-81.34340762
Completion Type:		TOC Elevation	83.7

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	None	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

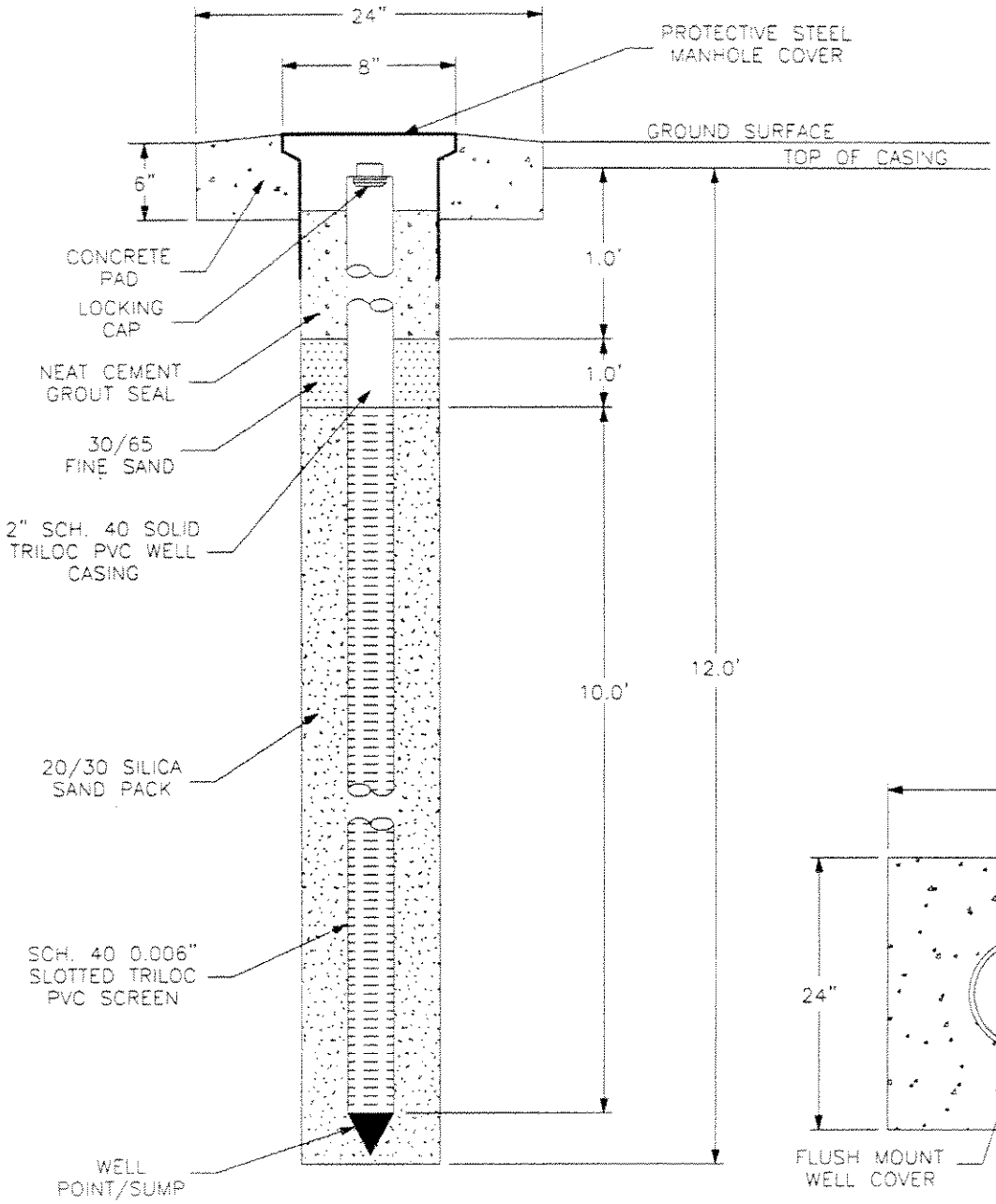
WELL PHOTOGRAPH

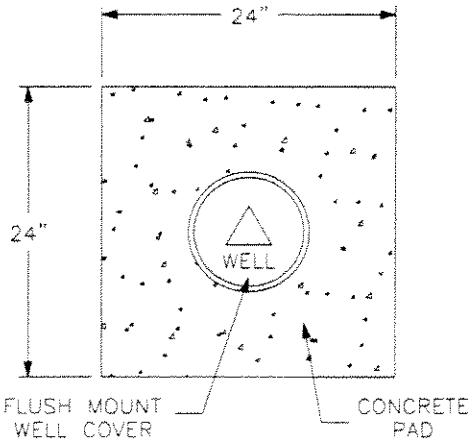
COMMENTS

SIGNATURE

LW/JC

Completion Logs





TOP VIEW OF CROSS-SECTION

WELL No. 08-02R

INSTALLATION REPORT

INSTALLATION DATE: 10-31-06

INSTALLED BY: FLORIDA SOUTHERN DOWNHOLE, INC.

MONITORING WELL DETAIL
BALDWIN PARK US NAVY LANDFILL
GROUNDWATER MONITORING WELL INSTALLATION
ORANGE COUNTY, FLORIDA

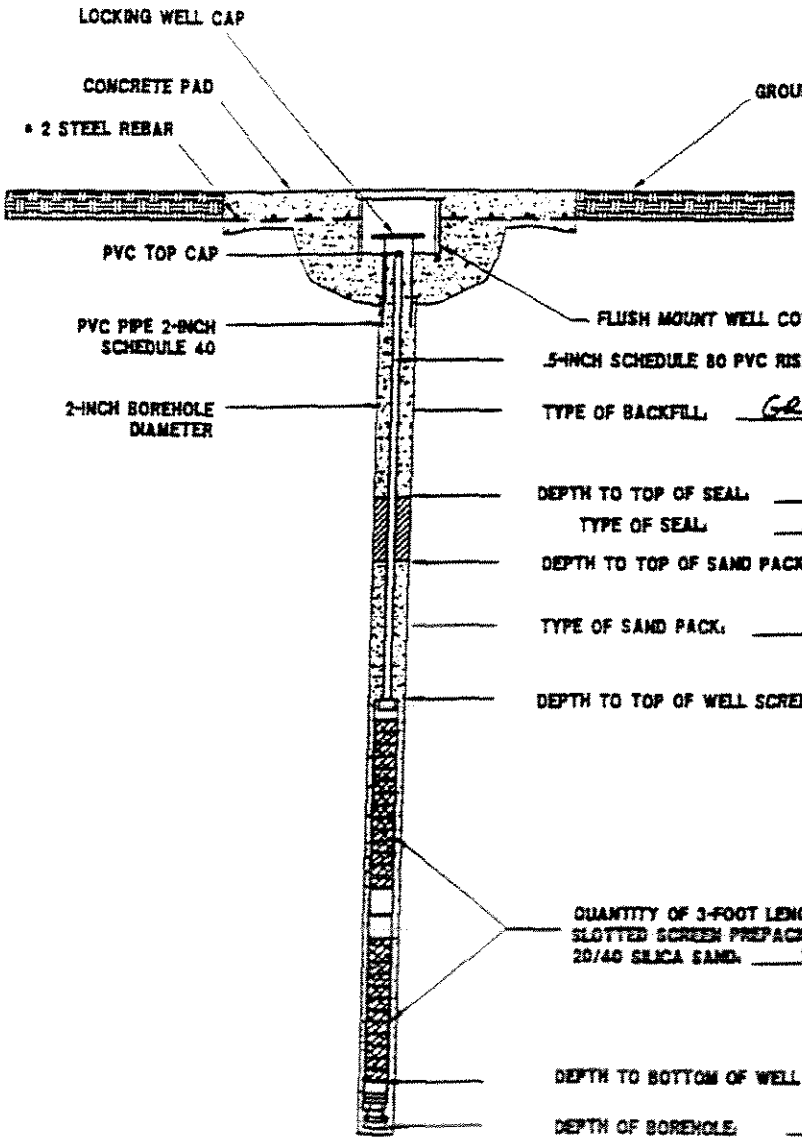
DRAWN: JJL	NODARSE & ASSOCIATES, INC.
CHKD: EK	
SCALE: NOTED	
DATE: 11-16-06	PROJ. NO: W99-E-186-317 / FIGURE: 1

Nov 16, 2006-11:54pm

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC ORLANDO
PROJECT NO: 2546-05
WELL ID: OLD-08-05
FIELD PERSONNEL: S. DONGLICK, P. CRAINE

SITE NAME: OU3/SA8
DATE INSTALLED: 10-8-97
INSTALLATION METHOD: TERRAPROBE



TYPE OF BACKFILL: GROUT

DEPTH TO TOP OF SEAL: 0.3 ft.
TYPE OF SEAL: BENTONITE

DEPTH TO TOP OF SAND PACK: 0.5 ft.

TYPE OF SAND PACK: 20/30

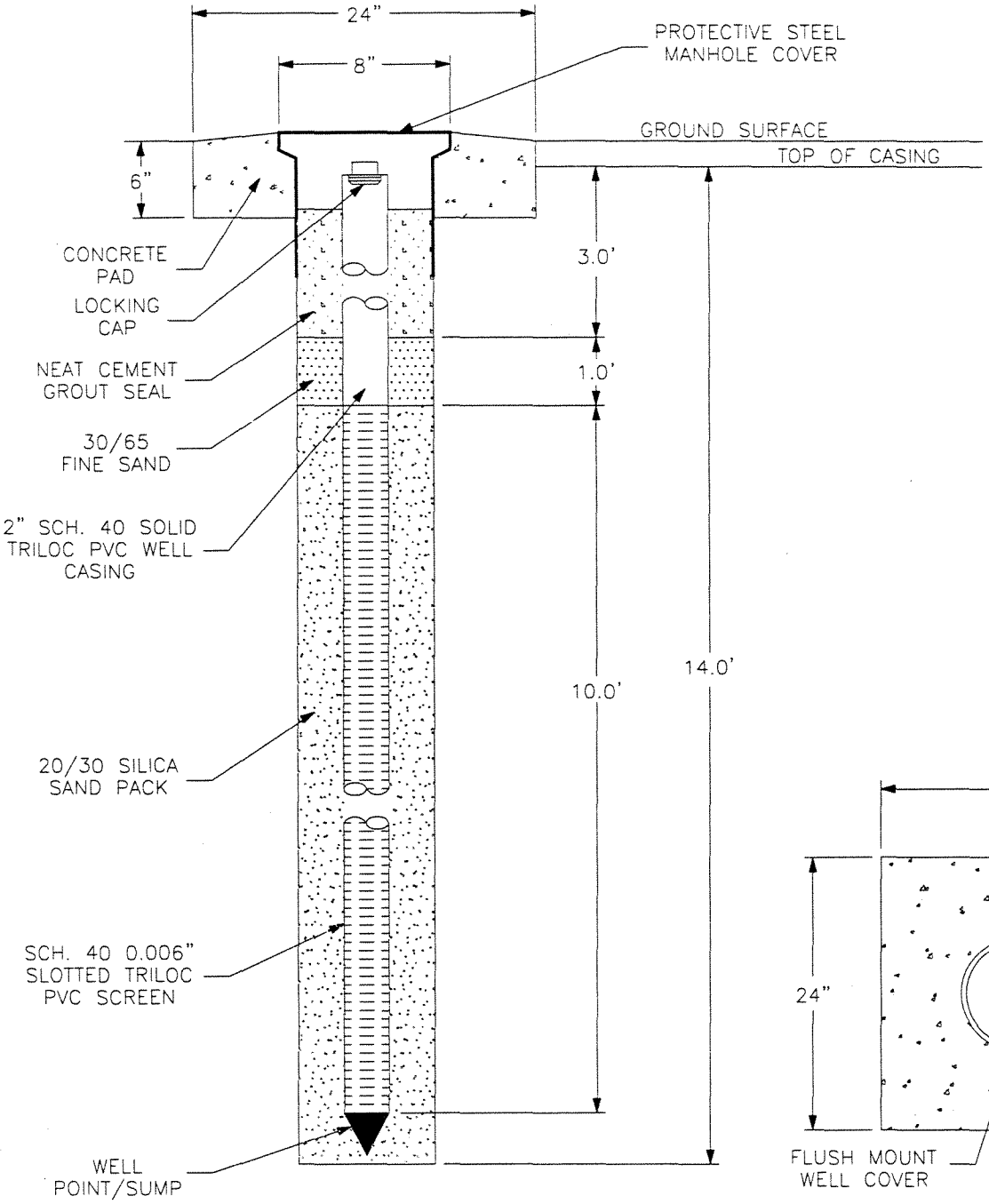
DEPTH TO TOP OF WELL SCREEN: 1 ft.

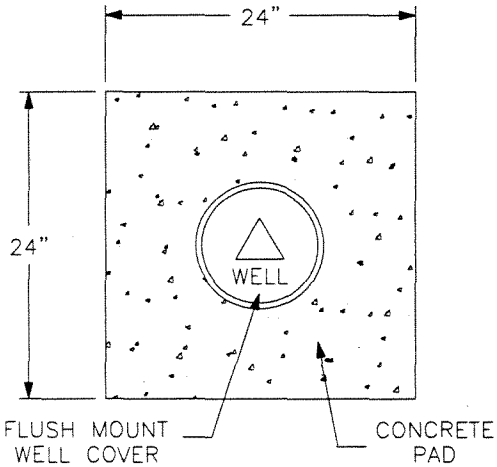
QUANTITY OF 3-FOOT LENGTH .010-INCH SLOTTED SCREEN PREPACKED WITH 20/40 SILICA SAND: 9 ft.

DEPTH TO BOTTOM OF WELL SCREEN: 10 ft.

DEPTH OF BOREHOLE: 10 ft.

NOT TO SCALE





TOP VIEW OF CROSS-SECTION

WELL No. 08-06R

INSTALLATION REPORT

INSTALLATION DATE: 10-31-06

INSTALLED BY: FLORIDA SOUTHERN DOWNHOLE, INC.

MONITORING WELL DETAIL
BALDWIN PARK US NAVY LANDFILL
GROUNDWATER MONITORING WELL INSTALLATION
ORANGE COUNTY, FLORIDA

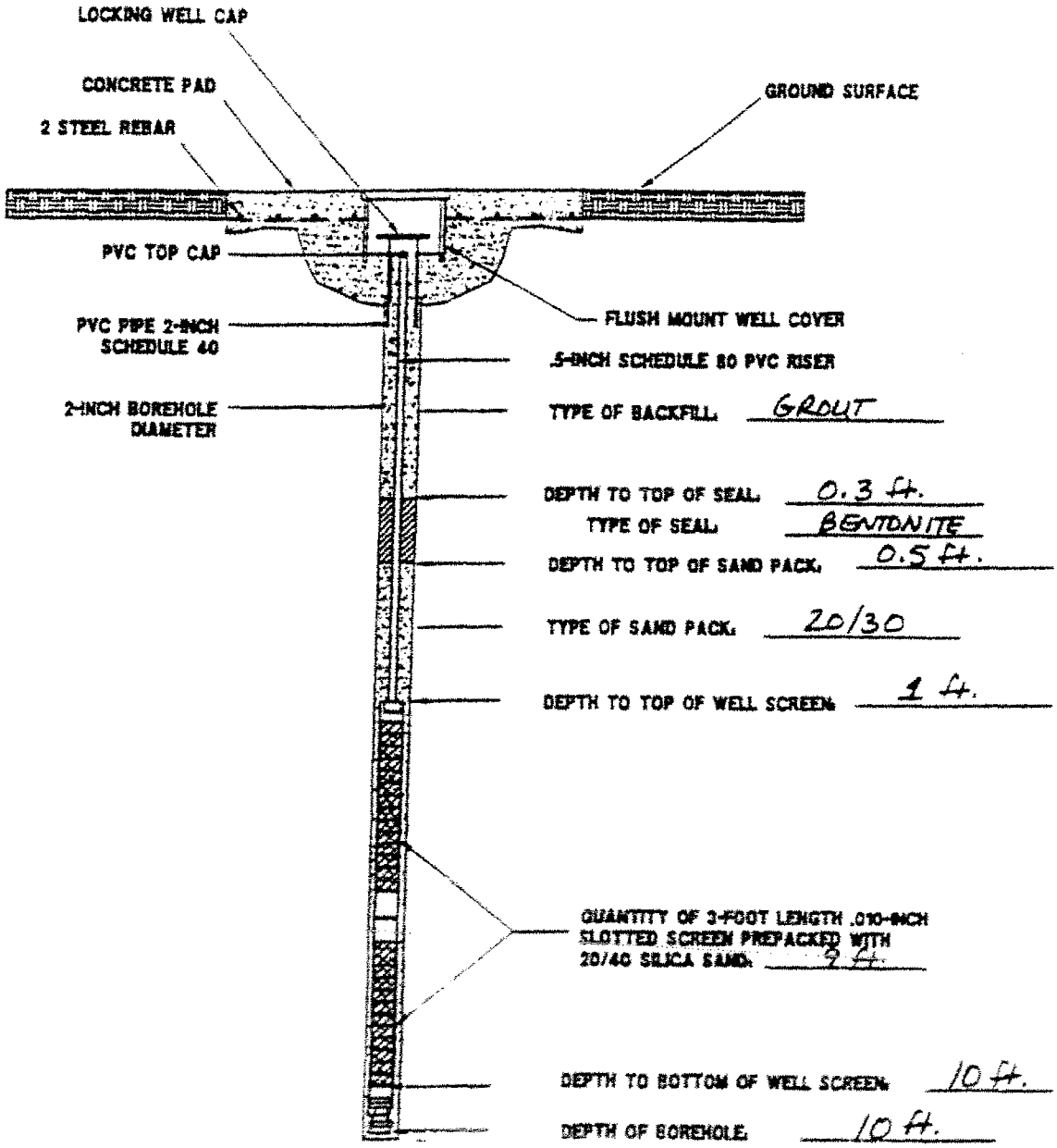
DRAWN: JJL	NODARSE & ASSOCIATES, INC.
CHKD: EK	
SCALE: NOTED	
DATE: 11-16-06	PROJ. NO: W99-E-186-317 — FIGURE: 2

Nov11, 2006-11:54am

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC ORLANDO
PROJECT NO: 2546-05
WELL ID: OLD-08-10
FIELD PERSONNEL: S. DONELICK, P. CRAINE, M. ALONSO

SITE NAME: OU3/SA8
DATE INSTALLED: 10-10-97
INSTALLATION METHOD: TERRAPROBE

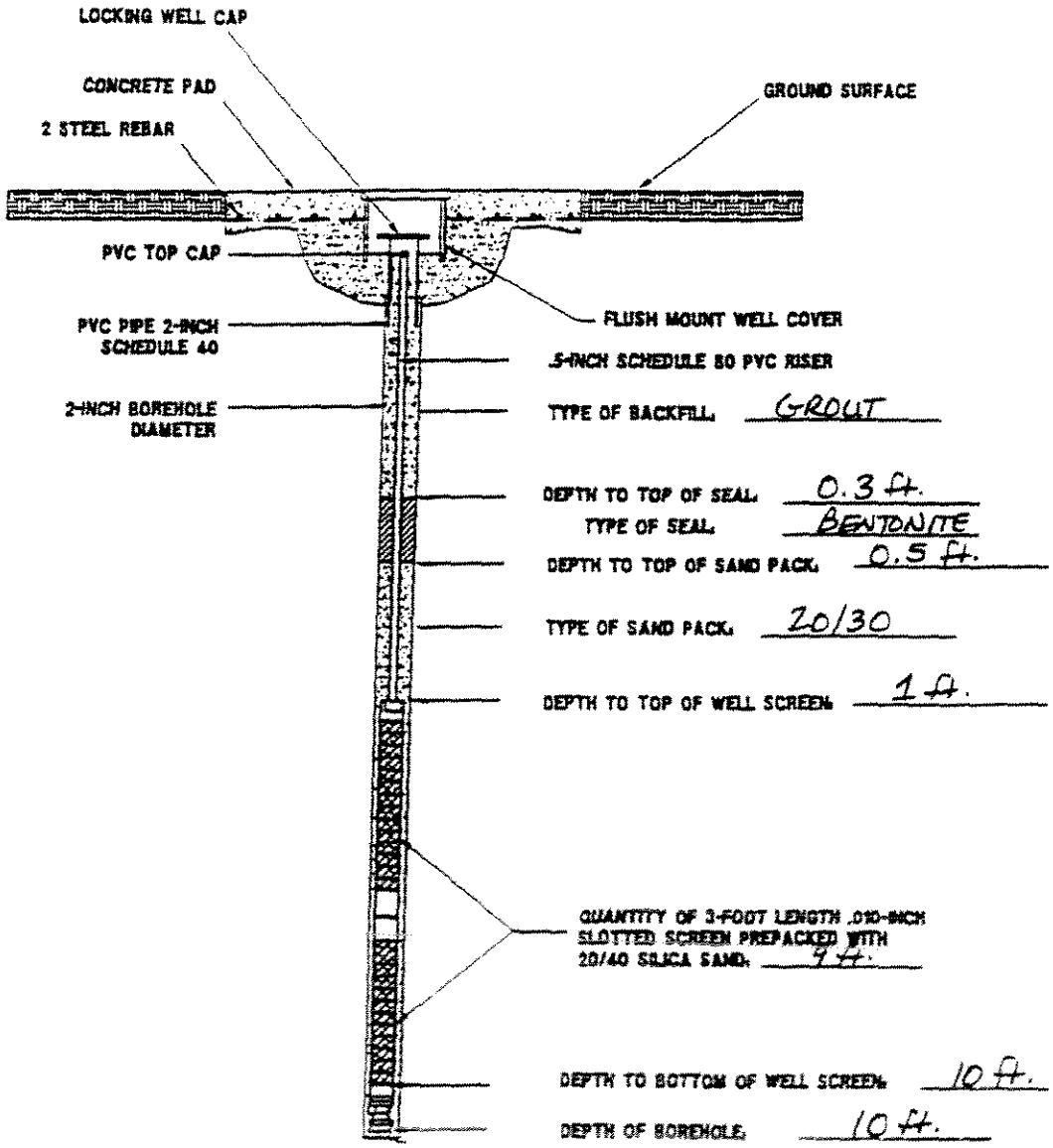


NOT TO SCALE

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC ORLANDO
PROJECT NO: 2546-05
WELL ID: OLD-08-11
FIELD PERSONNEL: S. DONELICK, P. CRAINE, M. ALONSO

SITE NAME: OU3/SA8
DATE INSTALLED: 10-10-97
INSTALLATION METHOD: TERRAPROBE

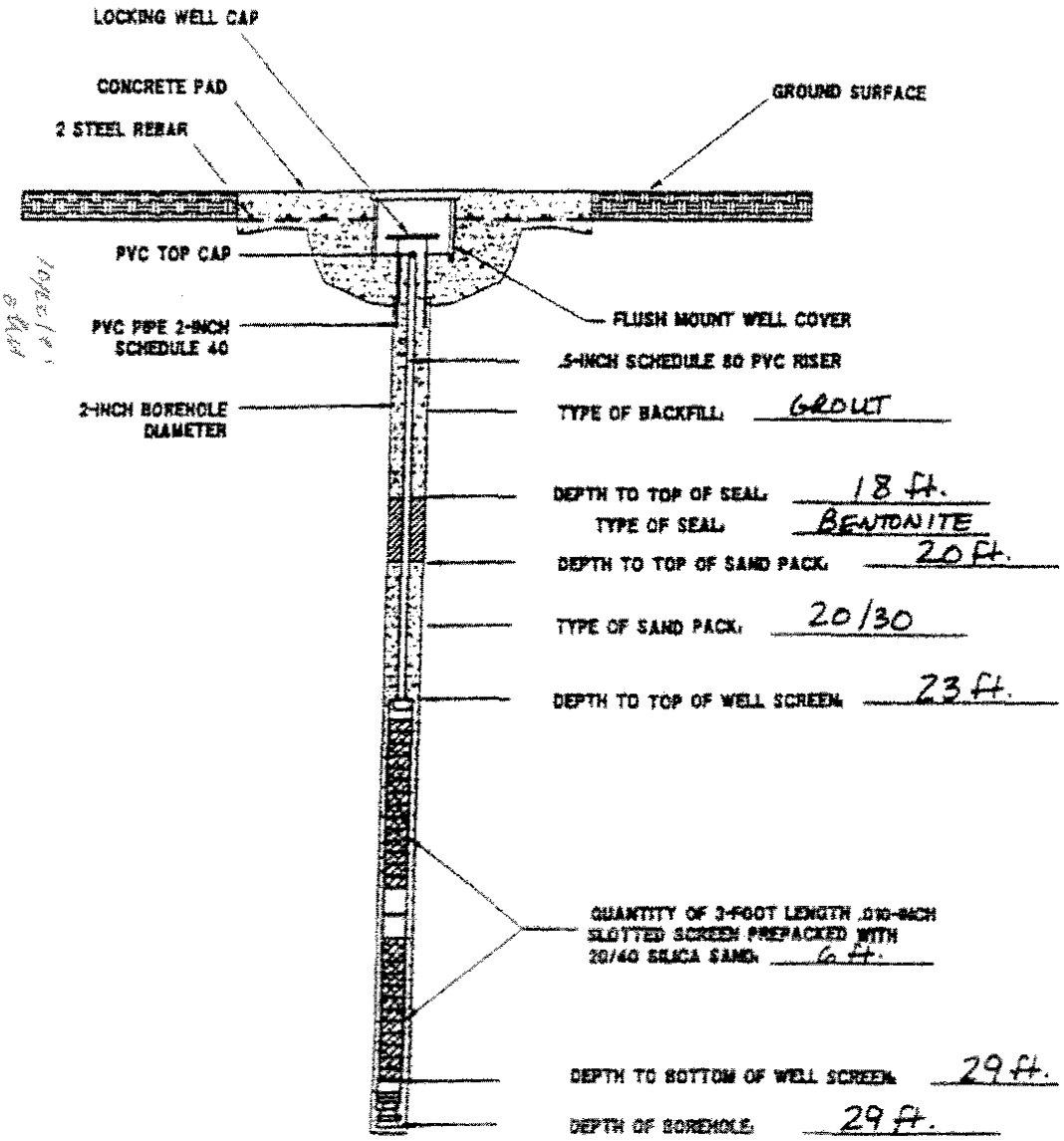


NOT TO SCALE

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC ORLANDO
PROJECT NO: 2546-05
WELL ID: OLD-08-12
FIELD PERSONNEL: S. DONELUCK, P. CRAINE, M. ALONSO

SITE NAME: OU3/SA8
DATE INSTALLED: 10-9-97
INSTALLATION METHOD: TERRAPROBE



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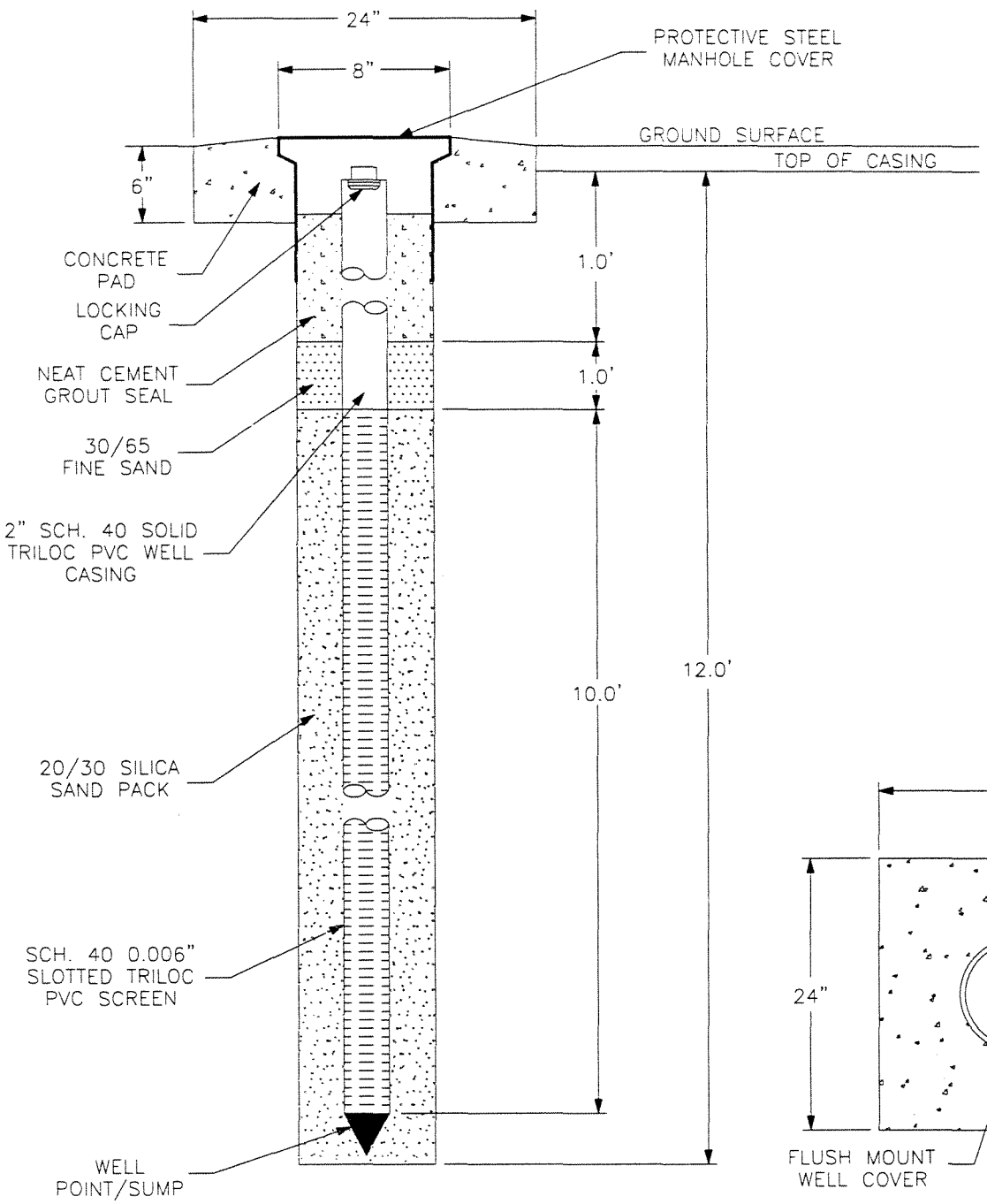
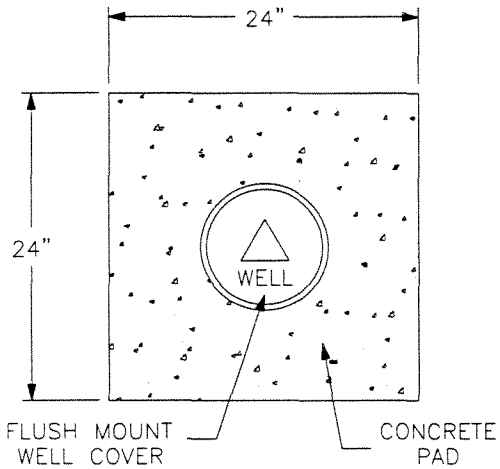




TOP VIEW OF CROSS-SECTION

WELL No. 08-14R

INSTALLATION REPORT

INSTALLATION DATE: 10-31-06

INSTALLED BY: FLORIDA SOUTHERN DOWNHOLE, INC.

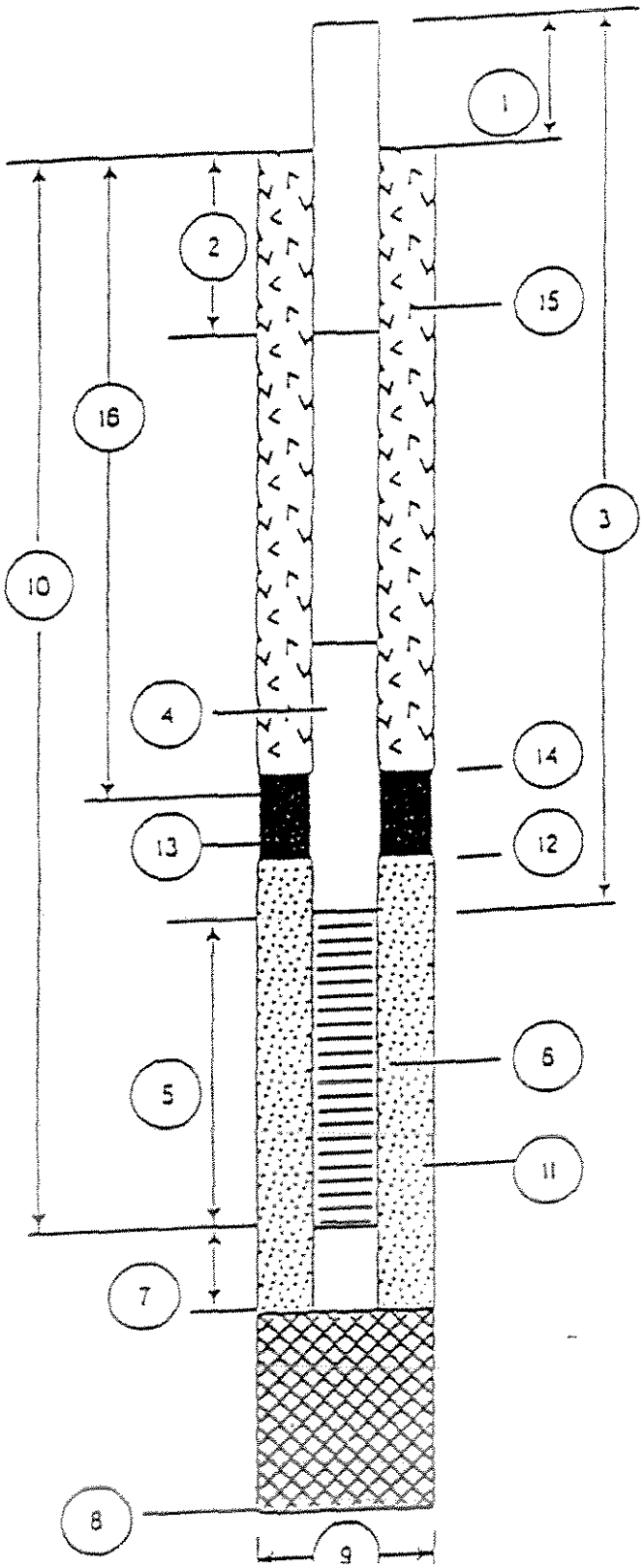
MONITORING WELL DETAIL
BALDWIN PARK US NAVY LANDFILL
GROUNDWATER MONITORING WELL INSTALLATION
ORANGE COUNTY, FLORIDA

DRAWN: JJL	NODARSE & ASSOCIATES, INC.
CHKD: EK	
SCALE: NOTED	
DATE: 11-16-06	PROJ. NO: W99-E-186-317 / FIGURE: 3

Nov16, 2006-11:55am

DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.



WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-08-18

DATE OF INSTALLATION:

1. Height of Casing above ground: 2.88
2. Depth to first Coupling: 2.12

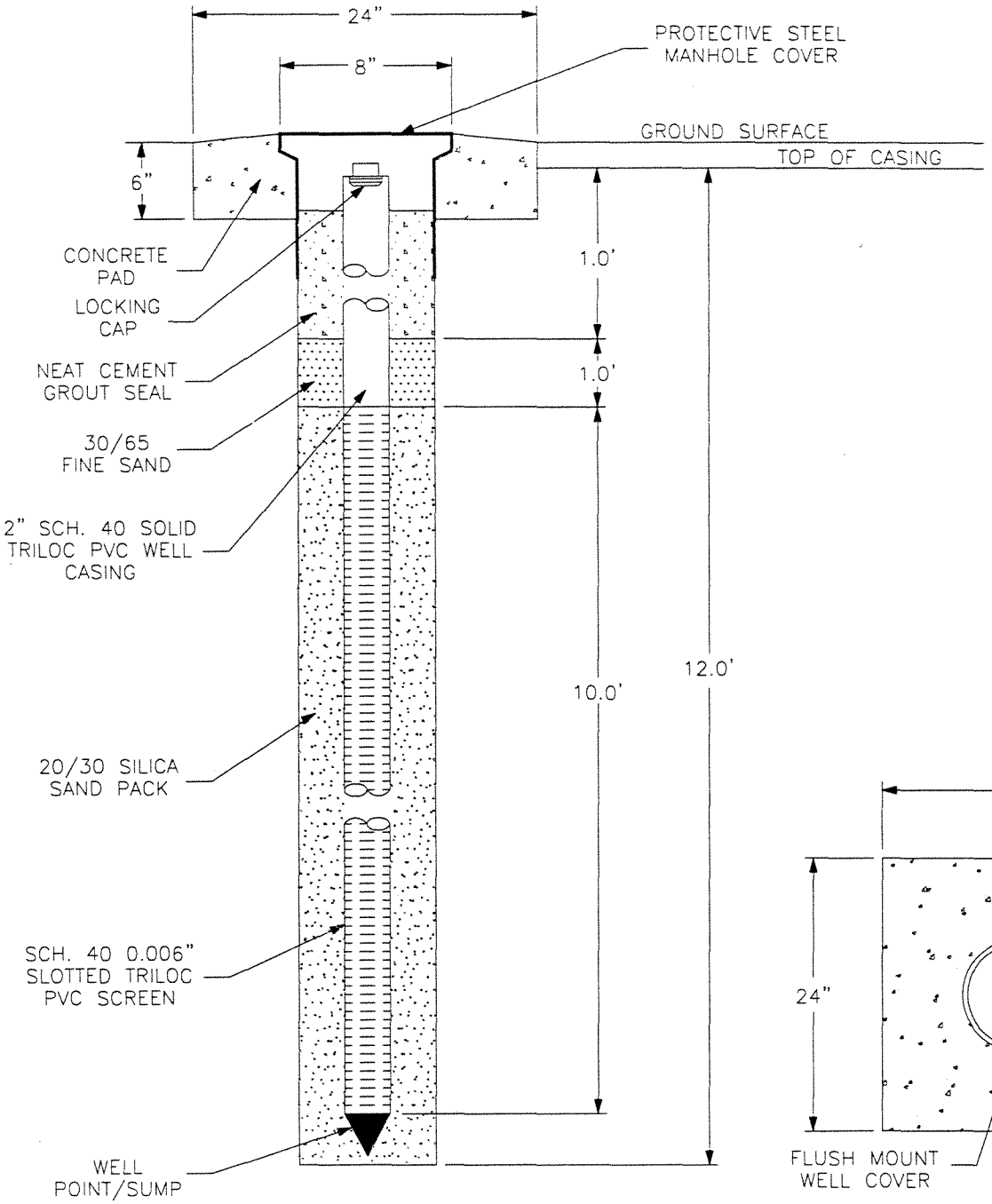
   Coupling Interval Depths: NA
3. Total Length of Riser Pipe: 5'
4. Type of Riser Pipe: 1½" sched. 40 PVC
5. Length of Screen: 9'
6. Type of Screen: geoprobe prepacked 0.010 slot
7. Length of Sump: NA
8. Total Depth of Boring: 11.13
9. Diameter of Boring: 4"
10. Depth to Bottom of Screen: 11.12
11. Type of Screen Filter: 20/30 prepacked

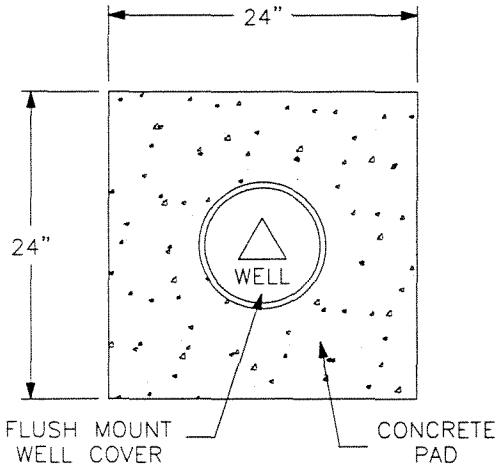
    Quantity Used: ——— Size:
12. Depth to Top of Filter: ⊥
13. Type of Seal: bentonite

    Quantity Used: ———
14. Depth to Top of Seal: Ø
15. Type of Grout: NA

    Grout Mixture:

    Method of Placement: ———
16. Tot. Depth of 6 in. Steel Casing: NA





TOP VIEW OF CROSS-SECTION

WELL No. 08-22R

INSTALLATION REPORT

INSTALLATION DATE: 12-2005

INSTALLED BY: FLORIDA SOUTHERN DOWNHOLE, INC.

MONITORING WELL DETAIL
BALDWIN PARK US NAVY LANDFILL
GROUNDWATER MONITORING WELL INSTALLATION
ORANGE COUNTY, FLORIDA

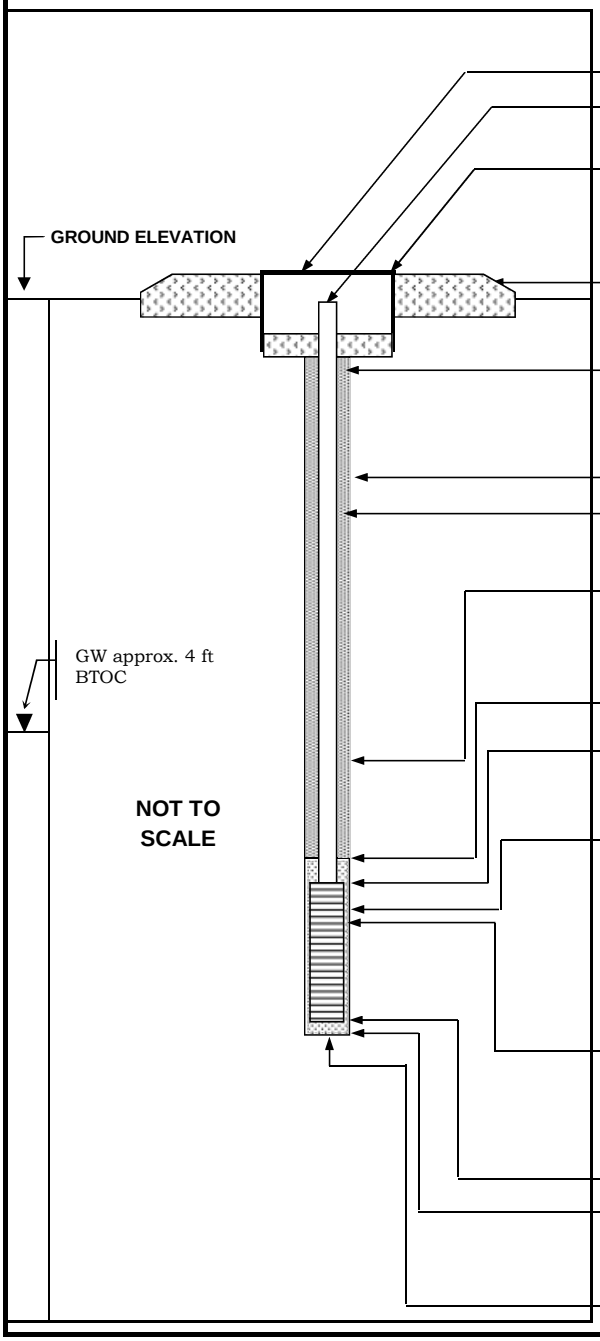
DRAWN: JJL	NODARSE & ASSOCIATES, INC.
CHKD: EK	
SCALE: NOTED	
DATE: 11-16-06	PROJ. NO: W99-E-186-317 / FIGURE: 4

Nov16, 2006-11:56am

WELL NO.: OLD-08-23

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 8 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	4207	BORING	OLD-08-23	METHOD:	
ELEVATION	91.88	DATE	8-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



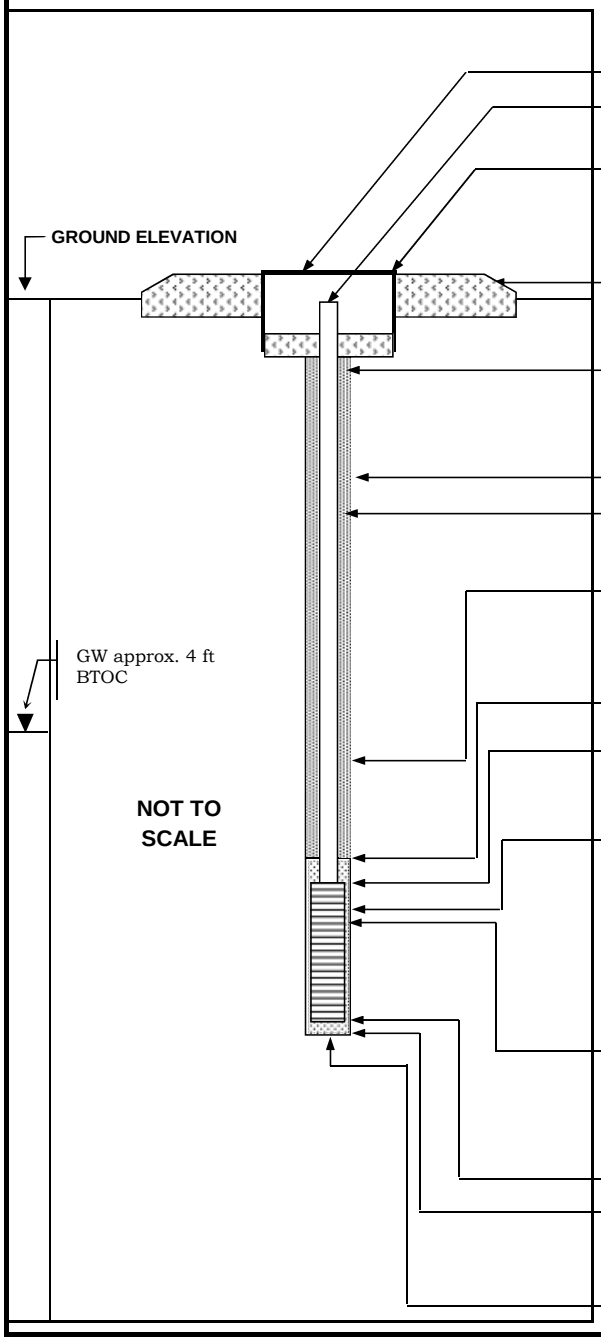
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	91.88
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	30/65 (fine) sand
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	7 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.01 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in.
TYPE OF SAND PACK:	20/30 inside screen natural formation (sand) outside screen
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	12 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	12 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	12 ft

COMMENTS:

WELL NO.: OLD-08-24

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 8 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	4207	BORING	OLD-08-24	METHOD:	
ELEVATION	92.8	DATE	9-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



ELEVATION OF TOP OF DRIVE-OVER BOX:
ELEVATION OF TOP OF RISER PIPE: 92.8

I.D. OF DRIVE-OVER BOX: 8 in.
TYPE OF SURFACE CASING: cast iron w/ steel sides

TYPE OF SURFACE SEAL: concrete

RISER PIPE I.D.: 1 in.

TYPE OF RISER PIPE: SCH 40 PVC

BOREHOLE DIAMETER: 3 in.
TYPE OF SEAL: 30/65 (fine) sand

ELEVATION / DEPTH OF SEAL: NA
TYPE OF SEAL: NA

DEPTH - TOP OF SAND PACK: NA
ELEVATION / DEPTH - TOP OF SCREEN: 26 ft

TYPE OF SCREEN: SCH 40 PVC U-Pack

SLOT SIZE X LENGTH: 0.01 in. X 5 ft

O.D - I.D. OF SCREEN: 2-in. - 1-in.

TYPE OF SAND PACK: 20/30 inside screen
natural formation (sand)
outside screen

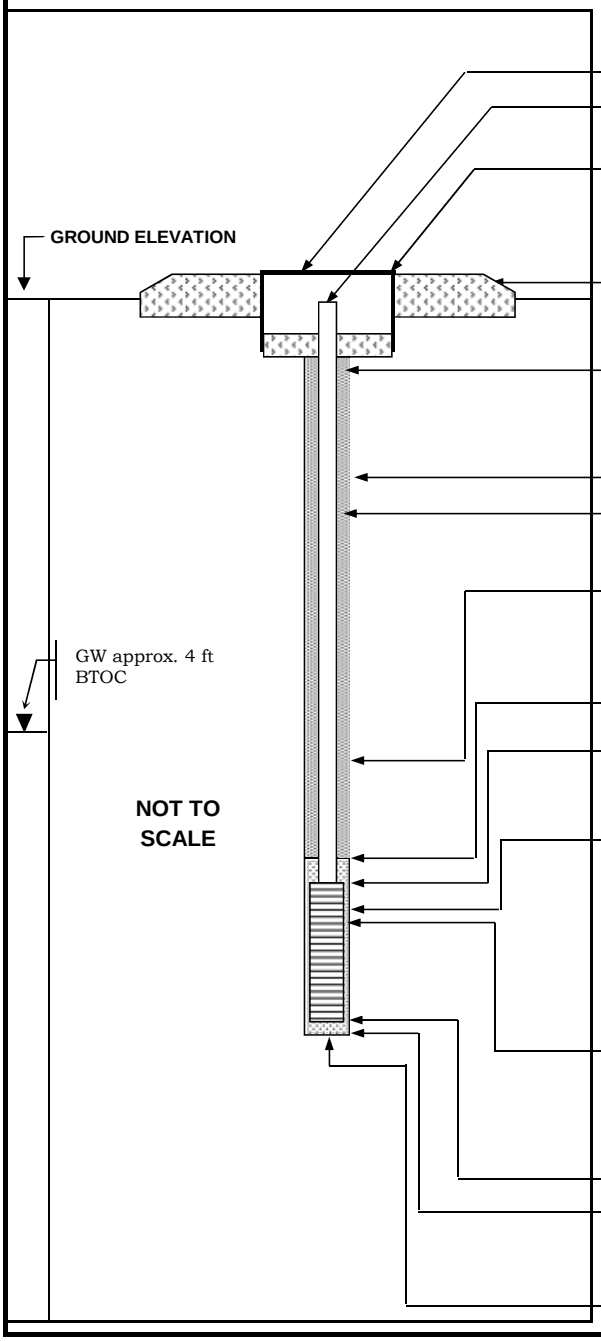
ELEVATION / DEPTH TO BOTTOM OF SCREEN: 31 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 31 ft
TYPE OF BACKFILL BELOW MONITORING WELL: fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 31 ft

COMMENTS:

WELL NO.: OLD-08-25

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 8 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	4207	BORING	OLD-08-25	METHOD:	
ELEVATION	92.92	DATE	9-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



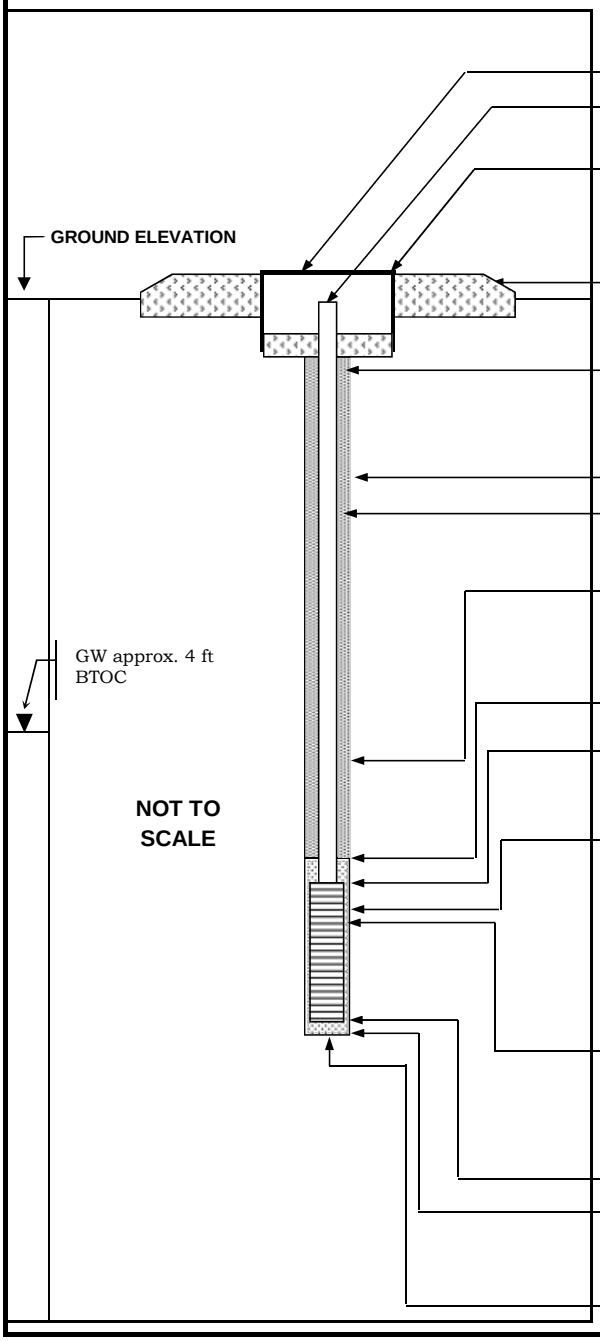
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	92.92
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	30/65 (fine) sand
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	26 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.01 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in.
TYPE OF SAND PACK:	20/30 inside screen natural formation (sand) outside screen
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	31 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	31 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	31 ft

COMMENTS:

WELL NO.: OLD-08-26

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 8 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	4207	BORING	OLD-08-26	METHOD:	
ELEVATION	92.93	DATE	9-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



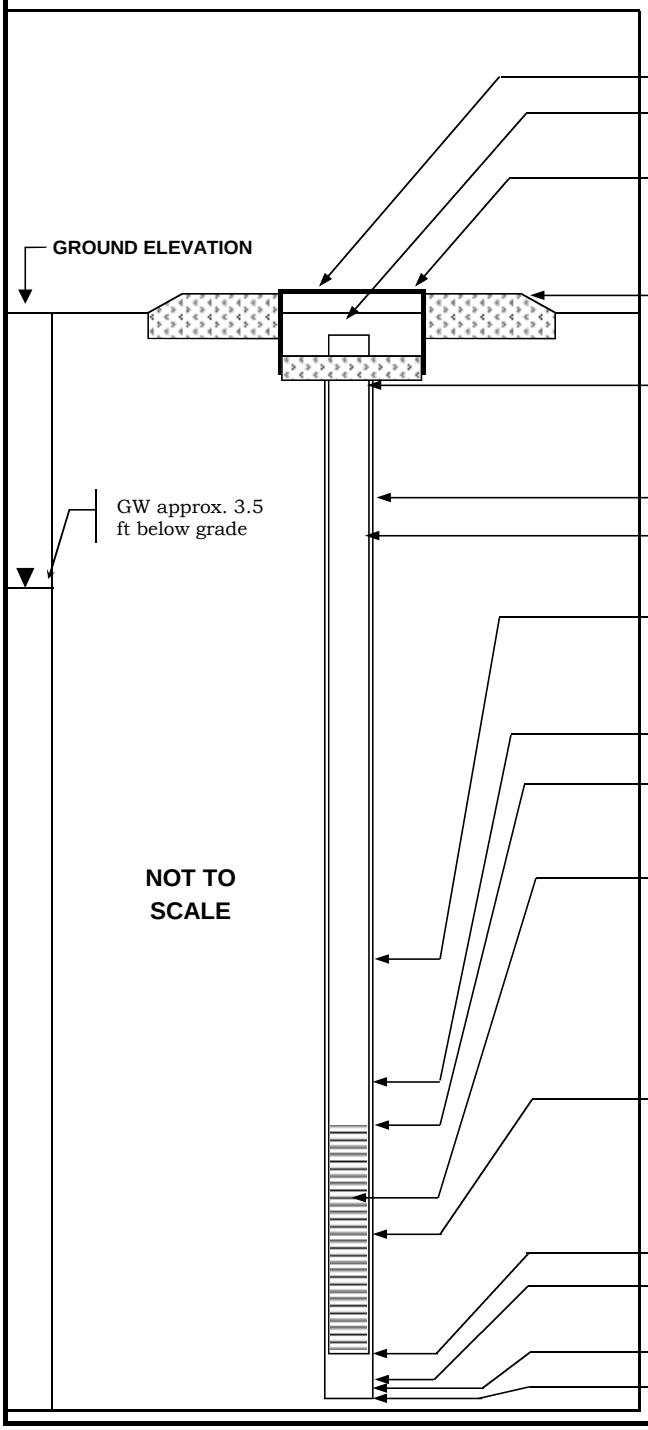
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	92.93
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	30/65 (fine) sand
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	8 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.01 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in.
TYPE OF SAND PACK:	20/30 inside screen natural formation (sand) outside screen
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	13 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	13 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	13 ft

COMMENTS:

WELL NO.: OLD-08-27

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA9 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	2817	BORING	OLD-08-27	METHOD:	
ELEVATION	92.84	DATE	9-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



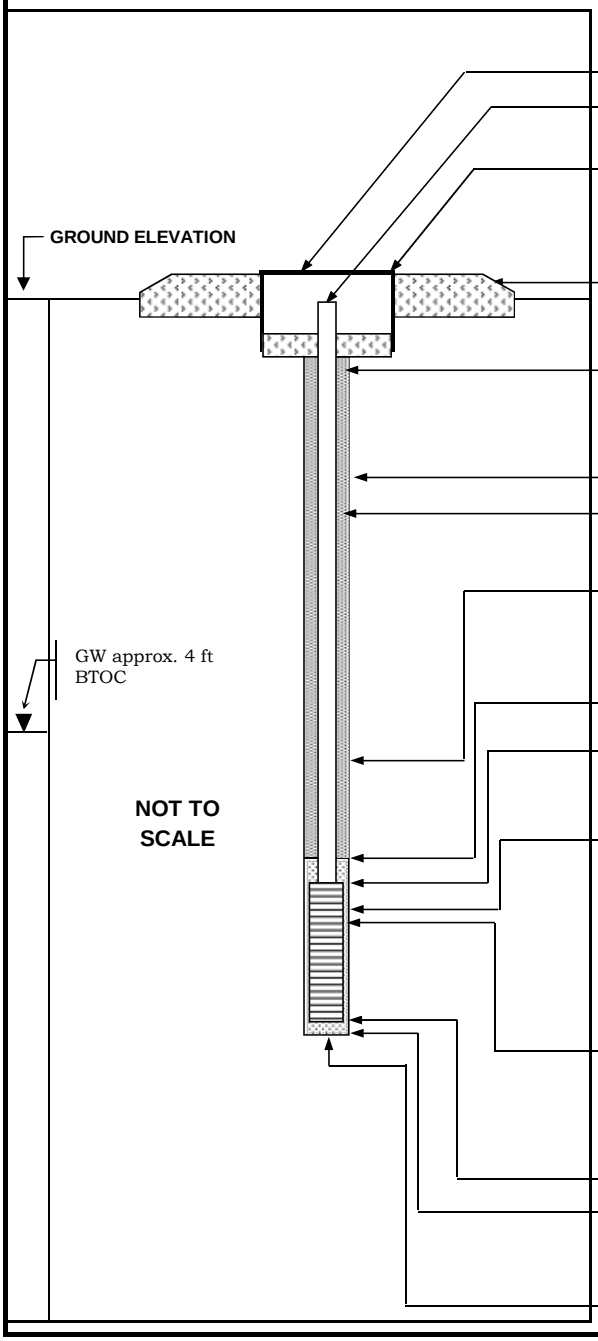
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	92.84
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	2 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	NA
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	8 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
I.D. OF SCREEN:	2-in.
TYPE OF SAND PACK:	natural formation (sand)
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	13 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	13 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	13 ft

COMMENTS:

WELL NO.: OLD-08-28

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 8 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	4207	BORING	OLD-08-28	METHOD:	
ELEVATION	92.91	DATE	9-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	92.91
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	30/65 (fine) sand
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	8 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.01 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in.
TYPE OF SAND PACK:	20/30 inside screen natural formation (sand) outside screen
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	13 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	13 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	13 ft

COMMENTS:

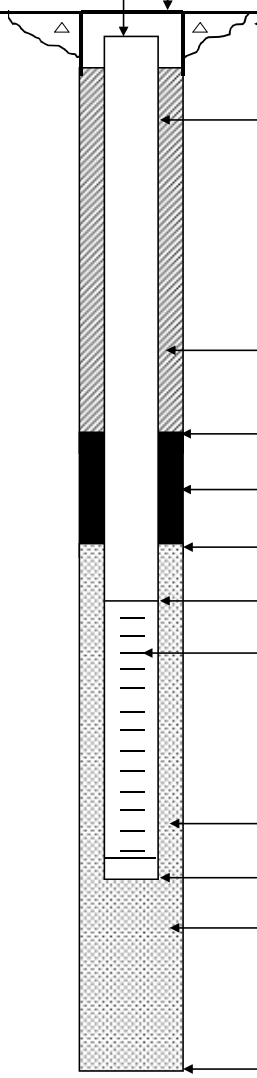
Tetra Tech

WELL No.: OLD-08-29R

WELL COMPLETION LOG

PROJECT:	NTC Orlando	DRILLING Co.:	GW Protection	BORING No.:	29
PROJECT No.:	112G02581	DRILLER:	Jon Yarema	DATE COMPLETED:	12/30/11
SITE:	SA 8	DRILLING METHOD:	Hollow Stem	NORTHING:	1540099.5
GEOLOGIST:	G Braganza	DEV. METHOD:	Peristaltic	EASTING:	554245.03

Ground Elevation =
Datum:



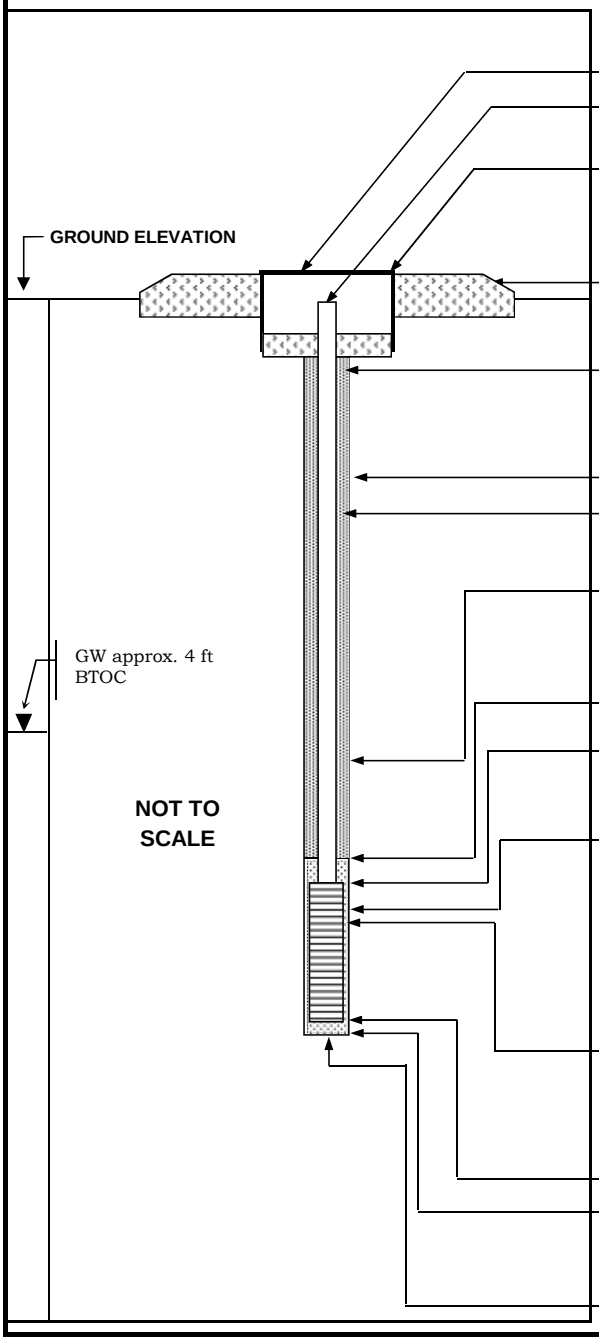
Not to Scale

Elevation / Depth of Top of Riser:		NA /0 ft
Elevation / Height of Top of Surface Casing:		91.97/ 0ft
I.D. of Surface Casing:	8-inch	
Type of Surface Casing:	locking manhole	
Type of Surface Seal:	Portland cement	
I.D. of Riser:	2-inch	
Type of Riser:	Sch 40 PVC	
Borehole Diameter:	8.0-inch	
Type of Backfill:	Portland/Bentonite slurry	
Elevation / Depth of Seal:		NA / 6.0
Type of Seal:	Bentonite pellets	
Elevation / Depth of Top of Filter Pack:		NA / 8.0
Elevation / Depth of Top of Screen:		NA / 8.0
Type of Screen:	Sch 40 PVC	
Slot Size x Length:	0.010 x 5 ft	
I.D. of Screen:	2-inch	
Type of Filter Pack:	20/30 Silica Sand	
Elevation / Depth of Bottom of Screen:		NA / 13 ft
Elevation / Depth of Bottom of Filter Pack:		NA / 13 ft
Type of Backfill Below Well:	30/65 Silica Sand	
Elevation / Total Depth of Borehole:		NA / 13.5

WELL NO.: OLD-08-30

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 8 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	4207	BORING	OLD-08-30	METHOD:	
ELEVATION	92.68	DATE	9-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



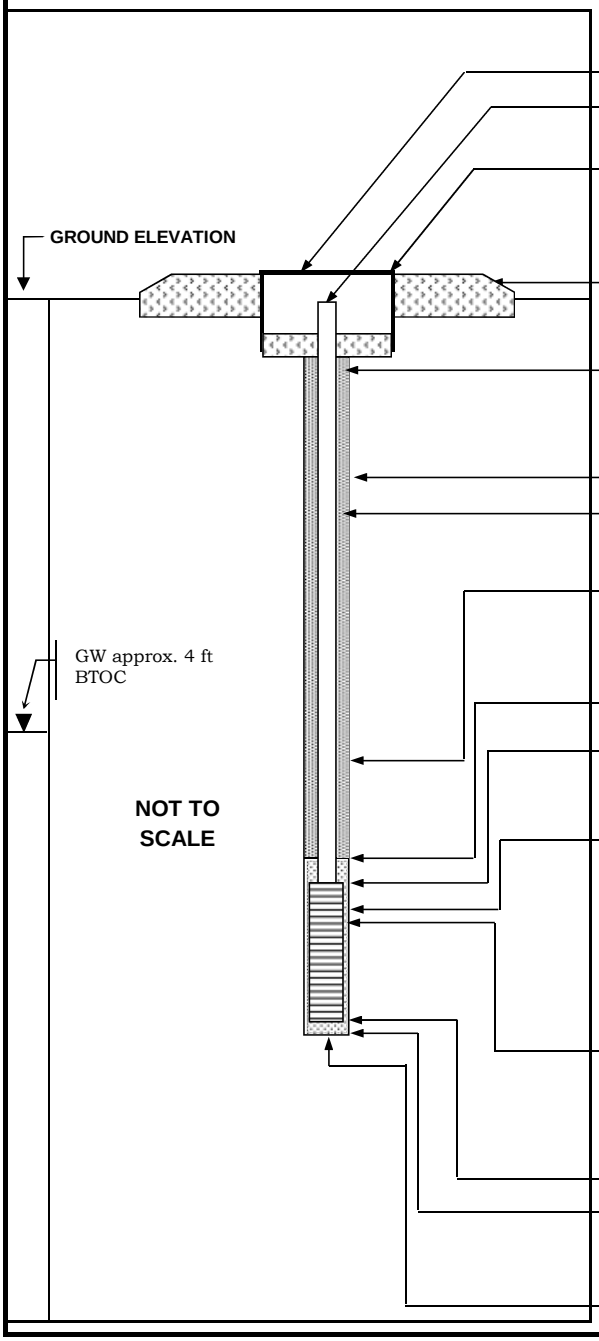
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	92.68
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	30/65 (fine) sand
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	8 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.01 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in.
TYPE OF SAND PACK:	20/30 inside screen natural formation (sand) outside screen
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	13 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	13 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	13 ft

COMMENTS:

WELL NO.: OLD-08-31

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 8 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	4207	BORING	OLD-08-31	METHOD:	
ELEVATION	92.68	DATE	9-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



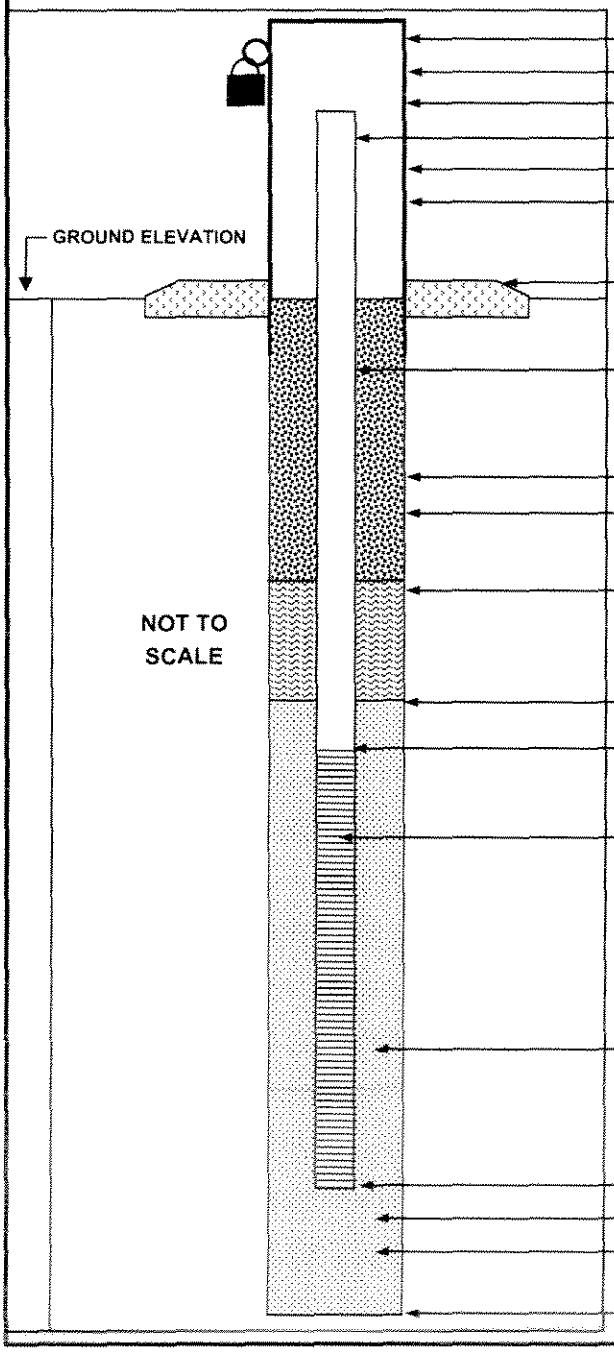
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	92.68
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	30/65 (fine) sand
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	8 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.01 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in.
TYPE OF SAND PACK:	20/30 inside screen natural formation (sand) outside screen
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	13 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	13 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	13 ft

COMMENTS:

WELL NO.: OLD-08-32

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	Study Area 8	DRILLER	Skip Barton
PROJECT NO.	4207	BORING	OLD-8-32	METHOD:	
ELEVATION		DATE	25-Jun-02	DRILLING	HA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peri. pump



ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3.25 ft
STICK-UP OF RISER PIPE:	3 ft
I.D. OF SURFACE CASING:	4-in.
TYPE OF SURFACE CASING:	SCH 40 PVC
TYPE OF SURFACE SEAL:	fine sand
RISER PIPE I.D.:	3/4 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	4-in.
TYPE OF SEAL:	NA
ELEVATION / DEPTH OF SEAL:	surface grade
TYPE OF SEAL:	fine sand (30/65)
DEPTH - TOP OF SAND PACK:	0.5 ft
ELEVATION / DEPTH - TOP OF SCREEN:	1.0 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.010 in. X 10 ft
I.D. OF SCREEN:	1.5 in. outer X 3/4 in. inner
TYPE OF SAND PACK:	30/45 (including pre-packed screen)
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	11 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	11 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	11 ft

NOTES: Replaces OLD-08-13

Tetra Tech

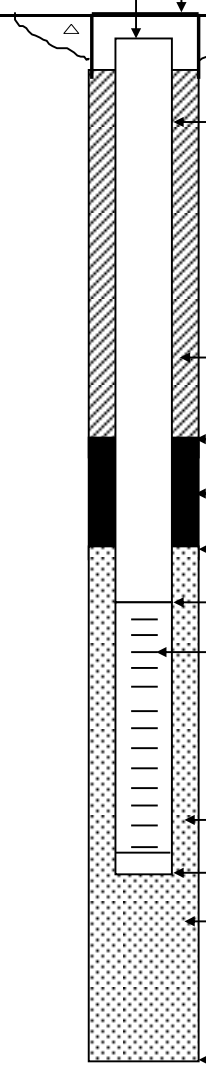
WELL No.: OLD-08-DP01

WELL COMPLETION LOG - DRIVE POINT

PROJECT:	NTC Orlando	DRILLING Co.:		BORING No.:	
PROJECT No.:		DRILLER:		DATE COMPLETED:	07/11/12
SITE:	SA 8	DRILLING METHOD:	Hand	NORTHING:	1540144.36
GEOLOGIST:	J. Rapolti	DEV. METHOD:	peristaltic pump	EASTING:	554175.93

Ground Elevation =

Datum:



Not to Scale

Elevation / Depth of Top of Riser: NA / 0 ft

Elevation / Height of Top of Surface Casing: 93.04/ 0ft

I.D. of Surface Casing: NA

Type of Surface Casing: NA

Type of Surface Seal: NA

I.D. of Riser: 1.25-inch

Type of Riser: galvanized steel

Borehole Diameter: 1.25-inch

Type of Backfill: native soil

Elevation / Depth of Seal: NA / NA

Type of Seal: NA

Elevation / Depth of Top of Filter Pack: NA / NA

Elevation / Depth of Top of Screen: / 0.5

Type of Screen: stainless steel

Slot Size x Length: 60 gauge mesh x 36 inch

I.D. of Screen: 1.25-inch

Type of Filter Pack: native soil

Elevation / Depth of Bottom of Screen: / 3.5 ft

Elevation / Depth of Bottom of Filter Pack: NA / NA

Type of Backfill Below Well:

Elevation / Total Depth of Borehole: /

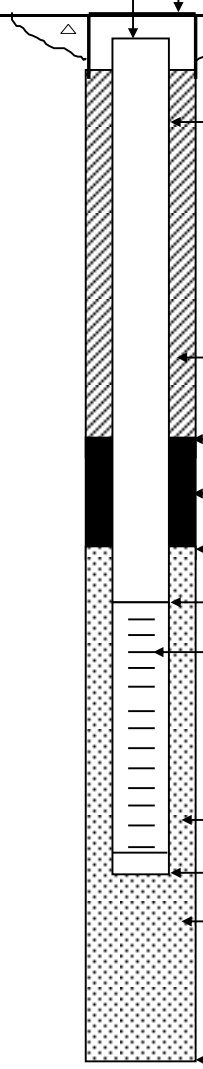
Tetra Tech

WELL No.: OLD-08-DP02

WELL COMPLETION LOG - DRIVE POINT

PROJECT:	NTC Orlando	DRILLING Co.:		BORING No.:	
PROJECT No.:		DRILLER:		DATE COMPLETED:	07/11/12
SITE:	SA 8	DRILLING METHOD:	Hand	NORTHING:	1540118.98
GEOLOGIST:	J. Rapolti	DEV. METHOD:	peristaltic pump	EASTING:	554171.75

Ground Elevation =
Datum:



Not to Scale

Elevation / Depth of Top of Riser:		NA / 0 ft
Elevation / Height of Top of Surface Casing:		92.93/ 0ft
I.D. of Surface Casing:	NA	
Type of Surface Casing:	NA	
Type of Surface Seal:	NA	
I.D. of Riser:	1.25-inch	
Type of Riser:	galvanized steel	
Borehole Diameter:	1.25-inch	
Type of Backfill:	native soil	
Elevation / Depth of Seal:		NA / NA
Type of Seal:	NA	
Elevation / Depth of Top of Filter Pack:		NA / NA
Elevation / Depth of Top of Screen:		/ 0.5
Type of Screen:	stainless steel	
Slot Size x Length:	60 gauge mesh x 36 inch	
I.D. of Screen:	1.25-inch	
Type of Filter Pack:	native soil	
Elevation / Depth of Bottom of Screen:		/ 3.5 ft
Elevation / Depth of Bottom of Filter Pack:		NA / NA
Type of Backfill Below Well:		
Elevation / Total Depth of Borehole:		/

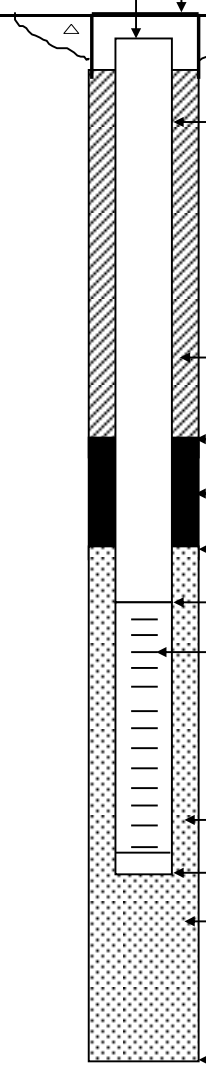
Tetra Tech

WELL No.: OLD-08-DP03

WELL COMPLETION LOG - DRIVE POINT

PROJECT:	NTC Orlando	DRILLING Co.:		BORING No.:	
PROJECT No.:		DRILLER:		DATE COMPLETED:	07/11/12
SITE:	SA 8	DRILLING METHOD:	Hand	NORTHING:	1540064.8
GEOLOGIST:	J. Rapolti	DEV. METHOD:	peristaltic pump	EASTING:	554156.93

Ground Elevation =
Datum:



Not to Scale

Elevation / Depth of Top of Riser:		NA / 0 ft
Elevation / Height of Top of Surface Casing:		94.08/ 0ft
I.D. of Surface Casing:	NA	
Type of Surface Casing:	NA	
Type of Surface Seal:	NA	
I.D. of Riser:	1.25-inch	
Type of Riser:	galvanized steel	
Borehole Diameter:	1.25-inch	
Type of Backfill:	native soil	
Elevation / Depth of Seal:		NA / NA
Type of Seal:	NA	
Elevation / Depth of Top of Filter Pack:		NA / NA
Elevation / Depth of Top of Screen:		/ 0.5
Type of Screen:	stainless steel	
Slot Size x Length:	60 gauge mesh x 36 inch	
I.D. of Screen:	1.25-inch	
Type of Filter Pack:	native soil	
Elevation / Depth of Bottom of Screen:		/ 3.5 ft
Elevation / Depth of Bottom of Filter Pack:		NA / NA
Type of Backfill Below Well:		
Elevation / Total Depth of Borehole:		/

Survey Information

Naval Training Center
Study Area 8
Orlando, Florida

Bowyer-Singleton & Associates, Inc.
200 Business Park Circle, Suite 113, St. Augustine, FL 32095
Phone 904-940-9460 ext.103 / Fax 904-940-9493

Field Surveys May 15, 2008

Note: Horizontal Datum is NAD (North American Datum) 83 SPC FL. E. US feet
Vertical Datum is NAVD (North American Vertical Datum) 88

Description		North Coord.	East Coord.	Elevation TOC	Elevation Top Of Enclosure	Elevation Ground
Survey Control Points:						
AK7130	NGS MONUMENT	1523378.56	543185.27	---	---	98.63
AK7129	NGS MONUMENT	1541920.20	539147.41	---	---	79.26
802	5/8" IRC "LB 1221 BSA TRAV"	537045.52	549446.52	---	---	114.31
801	5/8" IRC "LB 1221 BSA TRAV"	536887.39	544843.14	---	---	108.15
800	5/8" IRC "LB 1221 BSA TRAV"	536335.17	544865.93	---	---	111.71
803	5/8" IRC "LB 1221 BSA TRAV"	537923.97	549430.73	---	---	115.01
804	5/8" IRC "LB 1221 BSA TRAV"	541818.83	547952.00	---	---	119.37
805	5/8" IRC "LB 1221 BSA TRAV"	543145.12	547819.35	---	---	112.82
806	5/8" IRC "LB 1221 BSA TRAV"	539357.80	553782.11	---	---	94.27
807	5/8" IRC "LB 1221 BSA TRAV"	540062.10	554286.97	---	---	93.60
Monitor Wells						
OLD-08-02R		1540035.63	554296.20	93.82	94.06	94.1
OLD-08-03		1540097.85	554322.26	93.16	93.35	93.4
OLD-08-05		1540137.02	554349.54	92.34	92.71	92.8
OLD-08-06R		1540070.56	554384.82	95.89	96.12	95.8
OLD-08-10		1540024.44	554221.99	91.61	N/A	92
OLD-08-11		1540106.33	554281.93	92.60	93.10	93.0
OLD-08-12		1540045.88	554286.95	93.16	93.67	93.7
OLD-08-14R		1540093.90	554202.68	91.56	91.83	91.8
OLD-08-18		1540127.23	554228.48	94.14	N/A	91.0
OLD-08-22R		1539936.38	554231.62	93.40	93.63	93.6
OLD-08-23		1540146.57	554260.71	91.84	91.92	91.8
OLD-08-24		1540053.27	554232.60	92.71	92.91	92.8
OLD-08-25		1540053.75	554243.01	92.84	93.06	93.1
OLD-08-26		1540047.48	554231.09	92.84	93.02	92.7
OLD-08-27		1540046.89	554236.38	92.75	92.82	92.8
OLD-08-28		1540047.32	554242.48	92.82	93.01	92.4
OLD-08-29		1540101.29	554245.60	92.59	92.73	92.5
OLD-08-30		1540096.19	554250.28	92.62	92.81	92.74
OLD-08-31		1540090.70	554254.47	92.65	92.81	92.2
OLD-08-32		1540050.84	554194.09	93.41	N/A	91.3

Inspection Forms

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-02R / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	13:48
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.00	Survey Northing	1,540,035.6300
Screen Interval (ft)	2-12	Survey Easting	554,296.2000
Well Diameter (in)	2	North (decimal degrees)	28.56988906
Well Material	PVC SCH 40	East (decimal degrees)	-81.31737629
Completion Type:	Flush Mount	TOC Elevation	93.82

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

marked well ID on pad

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-03 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	14:00
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	13.50	Survey Northing	1,540,097.8500
Screen Interval (ft)	3-13	Survey Easting	554,322.2600
Well Diameter (in)	2	North (decimal degrees)	28.57006036
Well Material	PVC SCH 40	East (decimal degrees)	-81.31729547
Completion Type:	Flush Mount	TOC Elevation	93.16

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried pad partially	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-05 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	18:55
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	10.00	Survey Northing	1,540,137.0200
Screen Interval (ft)	1-10	Survey Easting	554,349.5400
Well Diameter (in)	0.5	North (decimal degrees)	28.57016786
Well Material	PVC SCH 80	East (decimal degrees)	-81.31721079
Completion Type:	Flush Mount	TOC Elevation	92.34

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Abandon Well
Well Pad	buried pad	Replace Well Pad	Yes
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good, non bolting	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-06R / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	14:16
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	14.00	Survey Northing	1,540,070.5600
Screen Interval (ft)	4-14	Survey Easting	554,384.8200
Well Diameter (in)	2	North (decimal degrees)	0
Well Material	PVC SCH 40	East (decimal degrees)	0
Completion Type:	Flush Mount	TOC Elevation	95.89

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-10 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	14:34
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	10.00	Survey Northing	1,540,024.4400
Screen Interval (ft)	1-10	Survey Easting	554,221.9900
Well Diameter (in)	0.5	North (decimal degrees)	28.56985739
Well Material	PVC SCH 80	East (decimal degrees)	-81.31760736
Completion Type:	Flush Mount	TOC Elevation	91.61

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	damaged,eroded under pad,buried pa	Replace Well Pad	Yes
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	missing	Replace Well Cover	Yes
Well Cap	damaged,non-locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

no protective steel manhole casing. well is protected by 4 inch outer PVC casing

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-11 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	19:03
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	10.00	Survey Northing	1,540,106.3300
Screen Interval (ft)	1-10	Survey Easting	554,281.9300
Well Diameter (in)	0.5	North (decimal degrees)	28.57008298
Well Material	PVC SCH 80	East (decimal degrees)	-81.31742168
Completion Type:	Flush Mount	TOC Elevation	92.6

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	damaged	Replace Well Cover	Yes
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-12 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Operable Unit 3	**Inspection Time**	8:30
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	29.00	Survey Northing	1,540,045.8800
Screen Interval (ft)	23-29	Survey Easting	554,286.9500
Well Diameter (in)	0.5	North (decimal degrees)	28.56991689
Well Material	PVC SCH 80	East (decimal degrees)	-81.31740508
Completion Type:	Flush Mount	TOC Elevation	93.16

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-14R / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	19:07
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.00	Survey Northing	1,540,093.9000
Screen Interval (ft)	2-12	Survey Easting	554,202.6800
Well Diameter (in)	2	North (decimal degrees)	28.57004875
Well Material	PVC SCH 40	East (decimal degrees)	-81.31766816
Completion Type:	Flush Mount	TOC Elevation	91.56

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-18 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	18:16
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	14.00	Survey Northing	1,540,127.2300
Screen Interval (ft)	2-11	Survey Easting	554,228.4800
Well Diameter (in)	0.5	North (decimal degrees)	28.5701407
Well Material	PVC SCH 40	East (decimal degrees)	-81.31759011
Completion Type:	Stickup	TOC Elevation	94.14

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	missing	Replace Well Pad	Yes
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	Yes
Well Lock	American - Gray	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-22R / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	18:48
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.00	Survey Northing	1,539,936.3800
Screen Interval (ft)	2-12	Survey Easting	554,231.6200
Well Diameter (in)	2	North (decimal degrees)	0
Well Material	PVC SCH 40	East (decimal degrees)	0
Completion Type:	Flush Mount	TOC Elevation	93.4

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-23 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	18:20
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.00	Survey Northing	1,540,146.5700
Screen Interval (ft)	7-12	Survey Easting	554,260.7100
Well Diameter (in)	1	North (decimal degrees)	28.5701936
Well Material	PVC SCH 40	East (decimal degrees)	-81.31748763
Completion Type:	Flush Mount	TOC Elevation	91.84

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-24 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	17:26
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	31.00	Survey Northing	1,540,053.2700
Screen Interval (ft)	26-31	Survey Easting	554,232.6000
Well Diameter (in)	1	North (decimal degrees)	28.5699369
Well Material	PVC SCH 40	East (decimal degrees)	-81.31757428
Completion Type:	Flush Mount	TOC Elevation	92.71

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	damaged, cracked	Replace Well Pad	Yes
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

Well vault filled with water

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-25 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	17:22
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	31.00	Survey Northing	1,540,053.7500
Screen Interval (ft)	26-31	Survey Easting	554,243.0100
Well Diameter (in)	1	North (decimal degrees)	28.56993834
Well Material	PVC SCH 40	East (decimal degrees)	-81.31754214
Completion Type:	Flush Mount	TOC Elevation	92.84

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

well vault filled with sand

SIGNATURE

TERRAINE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-26 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	17:35
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	13.00	Survey Northing	1,540,047.4800
Screen Interval (ft)	8-13	Survey Easting	554,231.0900
Well Diameter (in)	1	North (decimal degrees)	28.56992091
Well Material	PVC SCH 40	East (decimal degrees)	-81.31757912
Completion Type:	Flush Mount	TOC Elevation	92.84

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	damaged, broken	Replace Well Pad	Yes
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

Water in well vault

SIGNATURE

GB

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-27 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	17:30
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	13.00	Survey Northing	1,540,046.8900
Screen Interval (ft)	8-13	Survey Easting	554,236.3800
Well Diameter (in)	2	North (decimal degrees)	28.56991952
Well Material	PVC SCH 40	East (decimal degrees)	-81.31756287
Completion Type:	Flush Mount	TOC Elevation	92.75

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	damaged, cracked	Replace Well Pad	Yes
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	damaged	Replace Well Cover	Yes
Well Cap	good,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

Well vault filled with sand

SIGNATURE

GB

TERRAINE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-28 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	17:16
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	13.00	Survey Northing	1,540,047.3200
Screen Interval (ft)	8-13	Survey Easting	554,242.4800
Well Diameter (in)	1	North (decimal degrees)	28.56992057
Well Material	PVC SCH 40	East (decimal degrees)	-81.31754314
Completion Type:	Flush Mount	TOC Elevation	92.82

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

Water in well vault

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-29 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	18:09
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	13.00	Survey Northing	1,540,101.2900
Screen Interval (ft)	8-13	Survey Easting	554,245.6000
Well Diameter (in)	1	North (decimal degrees)	28.57006924
Well Material	PVC SCH 40	East (decimal degrees)	-81.31753411
Completion Type:	Flush Mount	TOC Elevation	92.59

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

well vault filled with water

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-30 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	18:05
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	13.00	Survey Northing	1,540,096.1900
Screen Interval (ft)	8-13	Survey Easting	554,250.2800
Well Diameter (in)	1	North (decimal degrees)	28.57005476
Well Material	PVC SCH 40	East (decimal degrees)	-81.31751963
Completion Type:	Flush Mount	TOC Elevation	92.62

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

Water in well vault

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-31 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	18:02
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	13.00	Survey Northing	1,540,090.7000
Screen Interval (ft)	8-13	Survey Easting	554,254.4700
Well Diameter (in)	1	North (decimal degrees)	28.57003991
Well Material	PVC SCH 40	East (decimal degrees)	-81.3175069
Completion Type:	Flush Mount	TOC Elevation	92.65

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

well vault filled with water

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-08-32 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/10/2007
Site Name	Operable Unit 3	**Inspection Time**	18:35
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	14.00	Survey Northing	1,540,050.8400
Screen Interval (ft)	1-11	Survey Easting	554,194.0900
Well Diameter (in)	0.75	North (decimal degrees)	28.56992996
Well Material	PVC SCH 40	East (decimal degrees)	-81.31769487
Completion Type:	Stickup	TOC Elevation	93.41

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	missing	Replace Well Pad	Yes
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

Boring Logs

Project: BRAC NTC, Orlando, Group I, Site Screening	**Well ID:** OLD-09-01	**Boring ID:** 09B001
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.	**Job No.:** CTO-107
Northing: 1539392.00	**Easting:** 553787.22	**Date started:** 08/30/94	**Compltd:** 08/30/94
Method: 4.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 3-13 ft. bls	**Protection level:** D
TOC elev.: 94.77 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 13.5Ft.	**Dpth to** ⊽ 4.0* Ft.
ABB Rep.: S. Grietens/T.Cramer	**Well development date:** 09/09/94	**Site:** Study Area 09

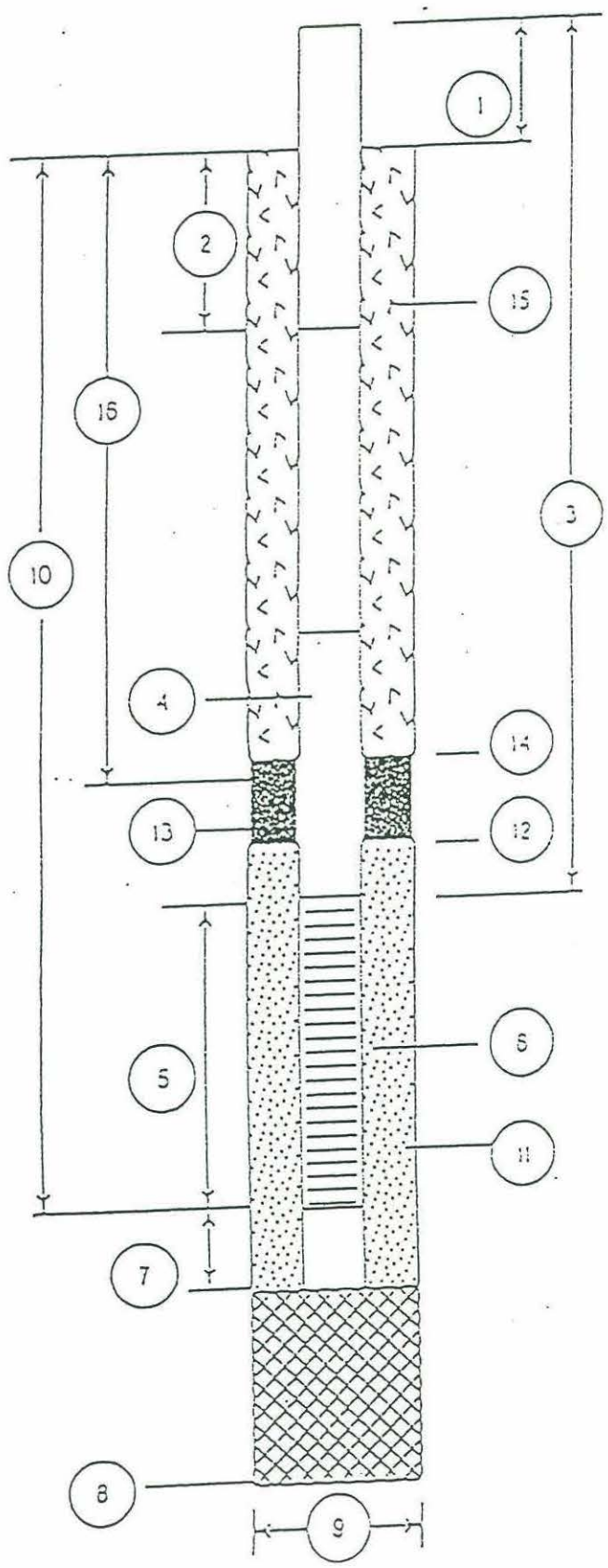
Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				0	QUARTZ SAND: Light gray, medium grained.		SP	posthole	
	09B00101		100%	0				4,9,7,10	
			100%	0	QUARTZ SAND: Light brown, medium grained, trace silts, good sorting, good to moderate rounding.			4,4,5,6	
5			75%	0				8,9,12,11	
			100%	0	QUARTZ SAND: Dark brown/black, same as 4 to 8 feet, with trace fines and trace silts.			10,9,11,8	
10			100%	25				4,19,15,23	
			100%	0				12,14,20,20	
15									

 ABB ENVIRONMENTAL SERVICES, INC.

Completion Logs

DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.



WELL CONSTRUCTION DETAIL

WELL NUMBER: OLO-09-0~~8~~1

DATE OF INSTALLATION: 8/30/94

1. Height of Casing above ground: 0
2. Depth to first Coupling: 3'

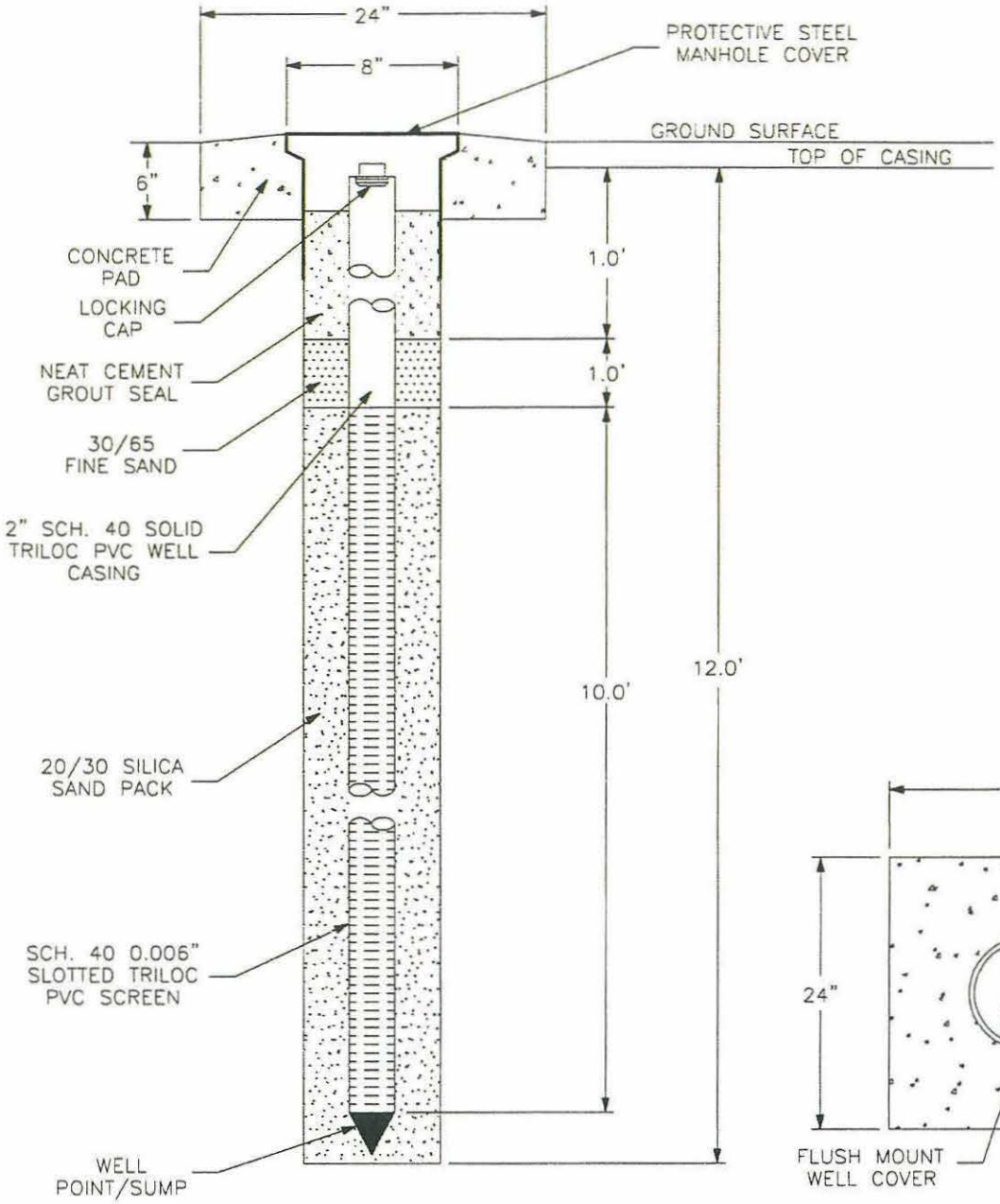
   Coupling Interval Depths: 10'
3. Total Length of Riser Pipe: 3'
4. Type of Riser Pipe: 2" ϕ Schedule 40 PVC
5. Length of Screen: 10'
6. Type of Screen: 2" ϕ Schedule 40 PVC .010 Slot Screen
7. Length of Sump: 6"
8. Total Depth of Boring: 13.5'
9. Diameter of Boring: 6.25"
10. Depth to Bottom of Screen: 13'
11. Type of Screen Filter: 20/30 Silica Sand

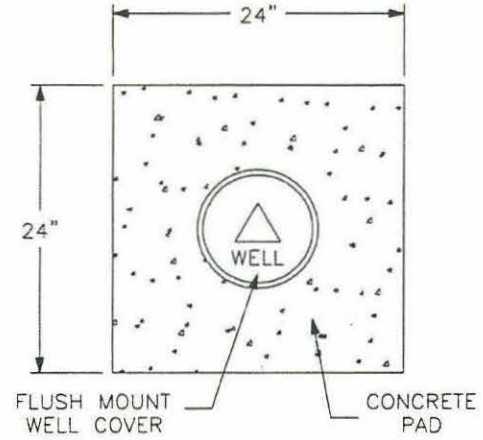
    Quantity Used: 325 lb Size: ____
12. Depth to Top of Filter: 2'
13. Type of Seal: Bentonite

    Quantity Used: 25 lb
14. Depth to Top of Seal: 1.5'
15. Type of Grout: Portland Cement

    Grout Mixture:

    Method of Placement: POURED
16. Tot. Depth of 6 in. Steel Casing: N/A





TOP VIEW OF CROSS-SECTION

WELL No. 09-03R

INSTALLATION REPORT

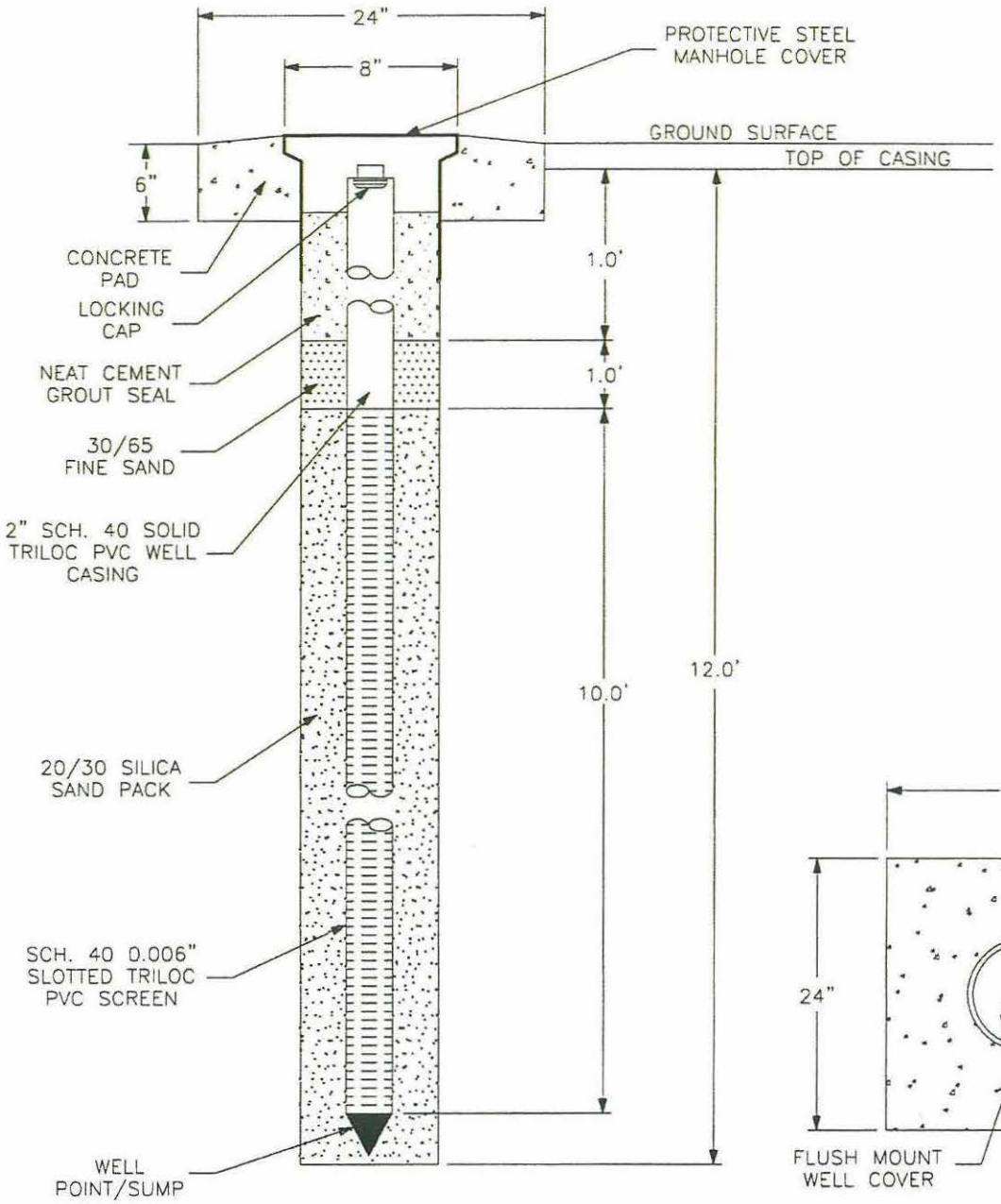
INSTALLATION DATE: 12-2005

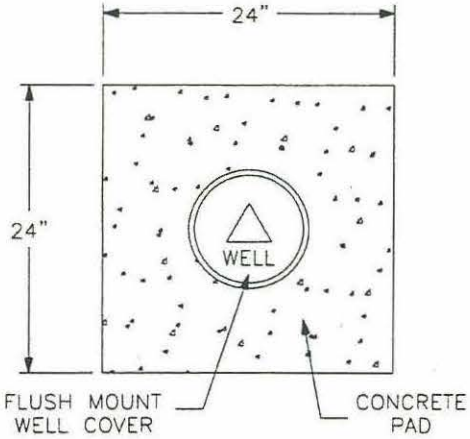
INSTALLED BY: FLORIDA SOUTHERN DOWNHOLE, INC.

MONITORING WELL DETAIL
BALDWIN PARK US NAVY LANDFILL
GROUNDWATER MONITORING WELL INSTALLATION
ORANGE COUNTY, FLORIDA

DRAWN: JJL	NODARSE & ASSOCIATES, INC.	
CHKD: EK		
SCALE: NOTED		
DATE: 11-16-06	PROJ. NO: W99-E-186-317	FIGURE: 5

Nov 1/, 2006-11:56am





TOP VIEW OF CROSS-SECTION

WELL No. 09-04R

INSTALLATION REPORT

INSTALLATION DATE: 10-31-06

INSTALLED BY: FLORIDA SOUTHERN DOWNHOLE, INC.

MONITORING WELL DETAIL
BALDWIN PARK US NAVY LANDFILL
GROUNDWATER MONITORING WELL INSTALLATION
ORANGE COUNTY, FLORIDA

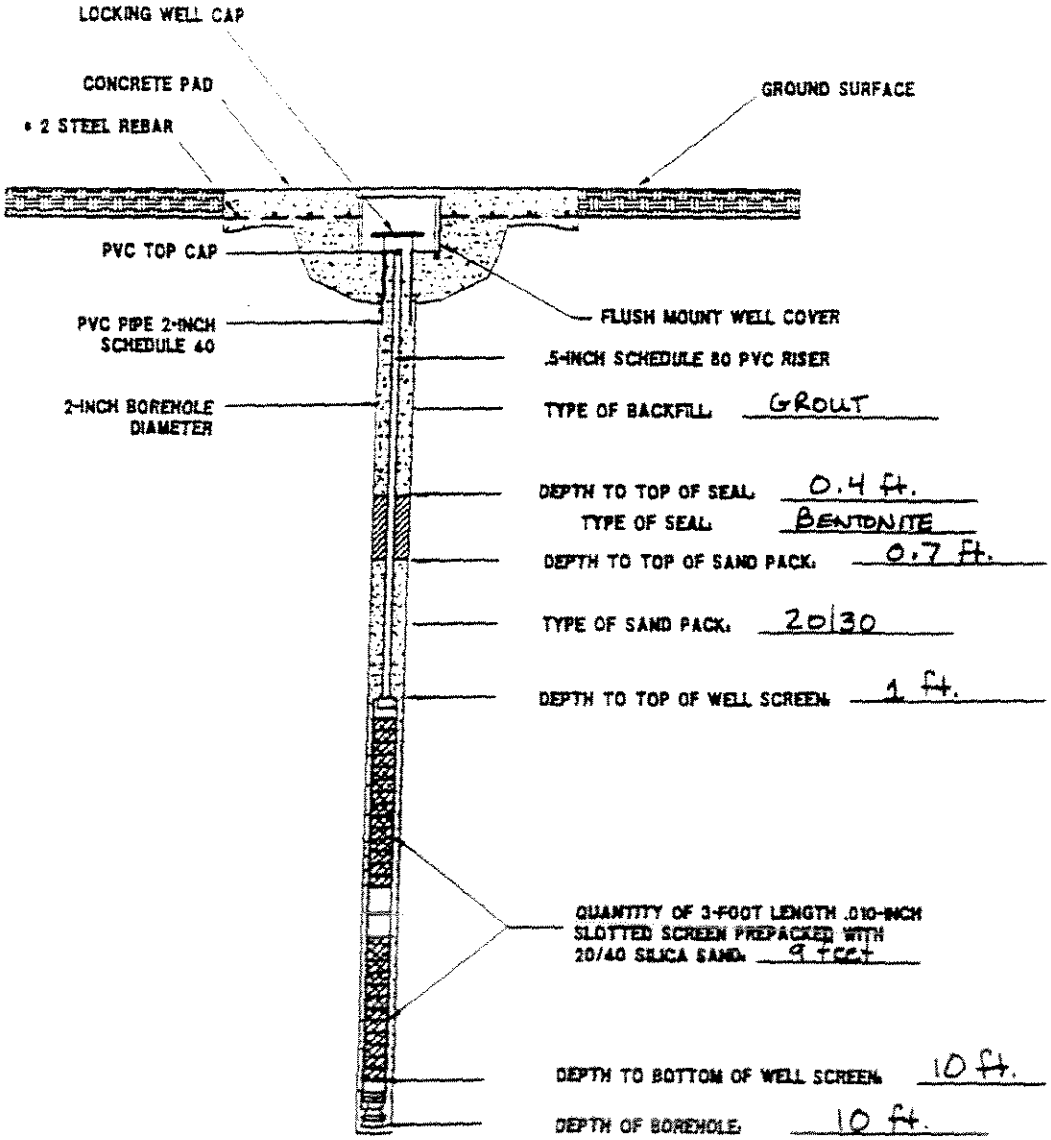
DRAWN: JJL	NODARSE & ASSOCIATES, INC.	
CHKD: EK		
SCALE: NOTED		
DATE: 11-16-06	PROJ. NO: W99-E-186-317	FIGURE: 6

Nov16, 2006-11:57am

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC ORLANDO
PROJECT NO: 2546-05
WELL ID: OLD-09-05
FIELD PERSONNEL: S. DONELICK, P. CRAINE

SITE NAME: OU3/SA9
DATE INSTALLED: 10-6-97
INSTALLATION METHOD: TERRAPROBE

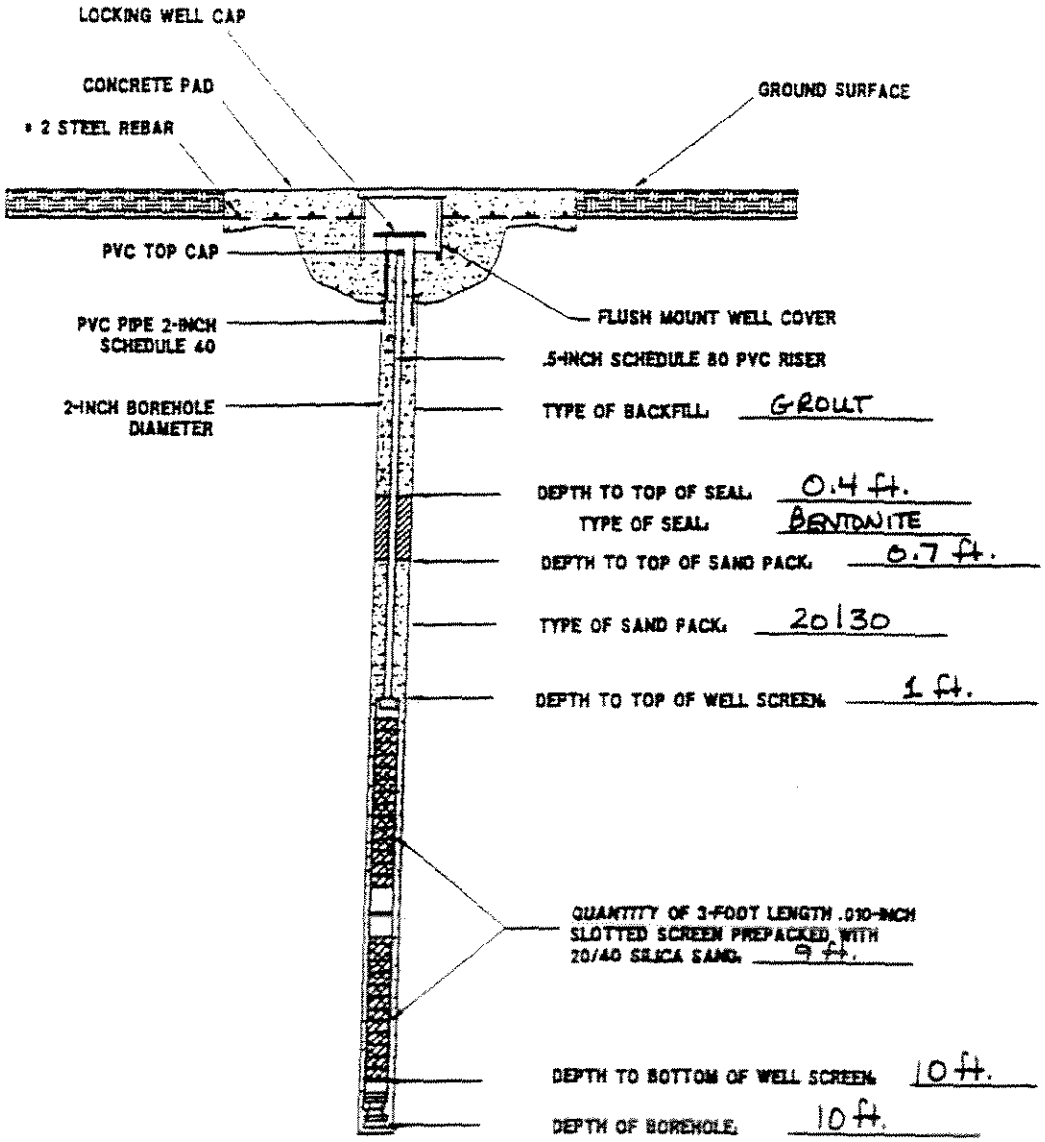


NOT TO SCALE

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC ORLANDO
PROJECT NO: 2546-05
WELL ID: OLD-09-06
FIELD PERSONNEL: S. DONELICK P. CRAINE

SITE NAME: OU3 / SA9
DATE INSTALLED: 10-6-97
INSTALLATION METHOD: TERRAPROBE

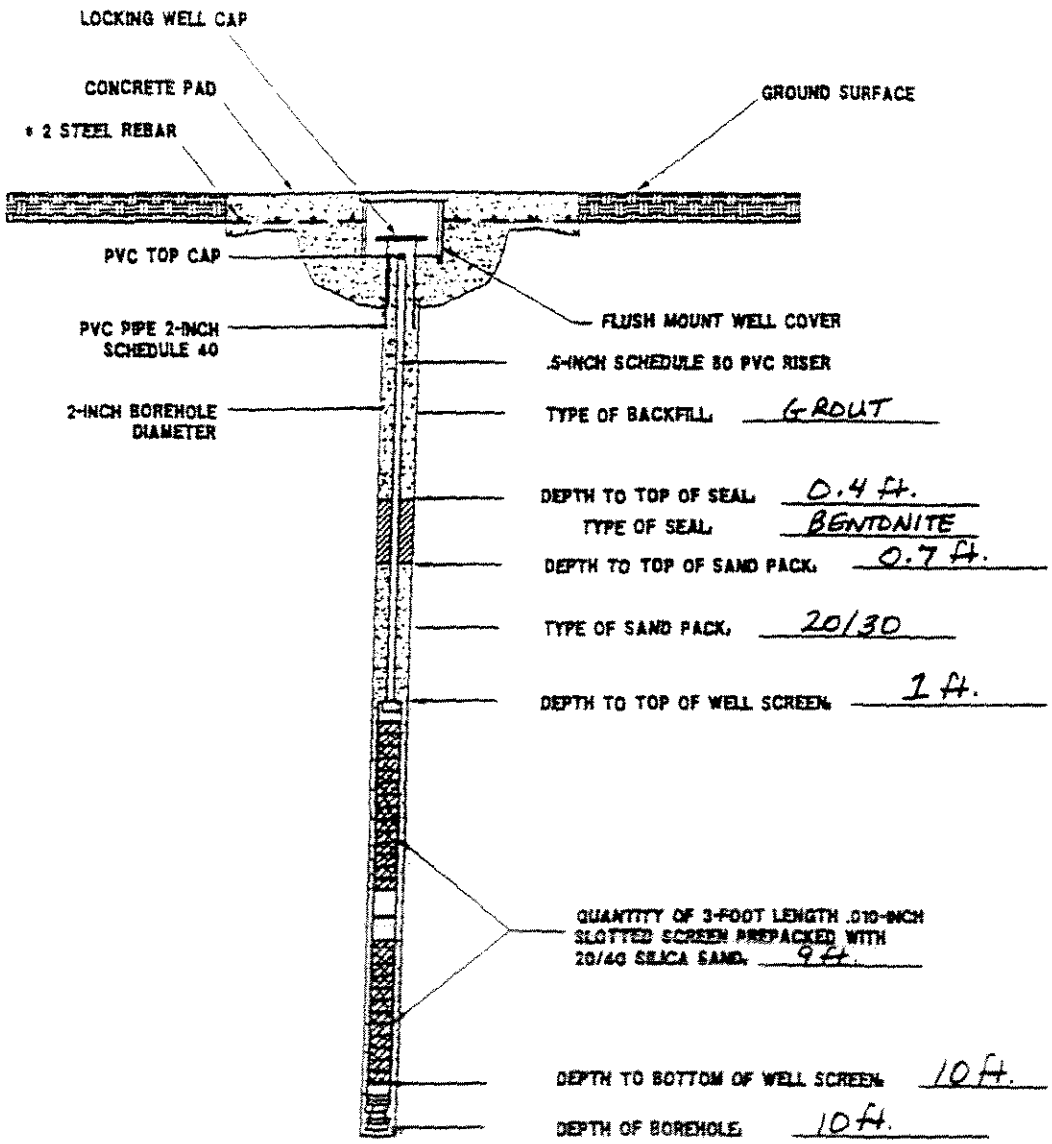


NOT TO SCALE

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC ORLANDO
PROJECT NO: 2546-05
WELL ID: OLD-09-09
FIELD PERSONNEL: S. DONELICK, P. CRAINE

SITE NAME: OU3 / SA9
DATE INSTALLED: 10-6-97
INSTALLATION METHOD: TERRAPROBE

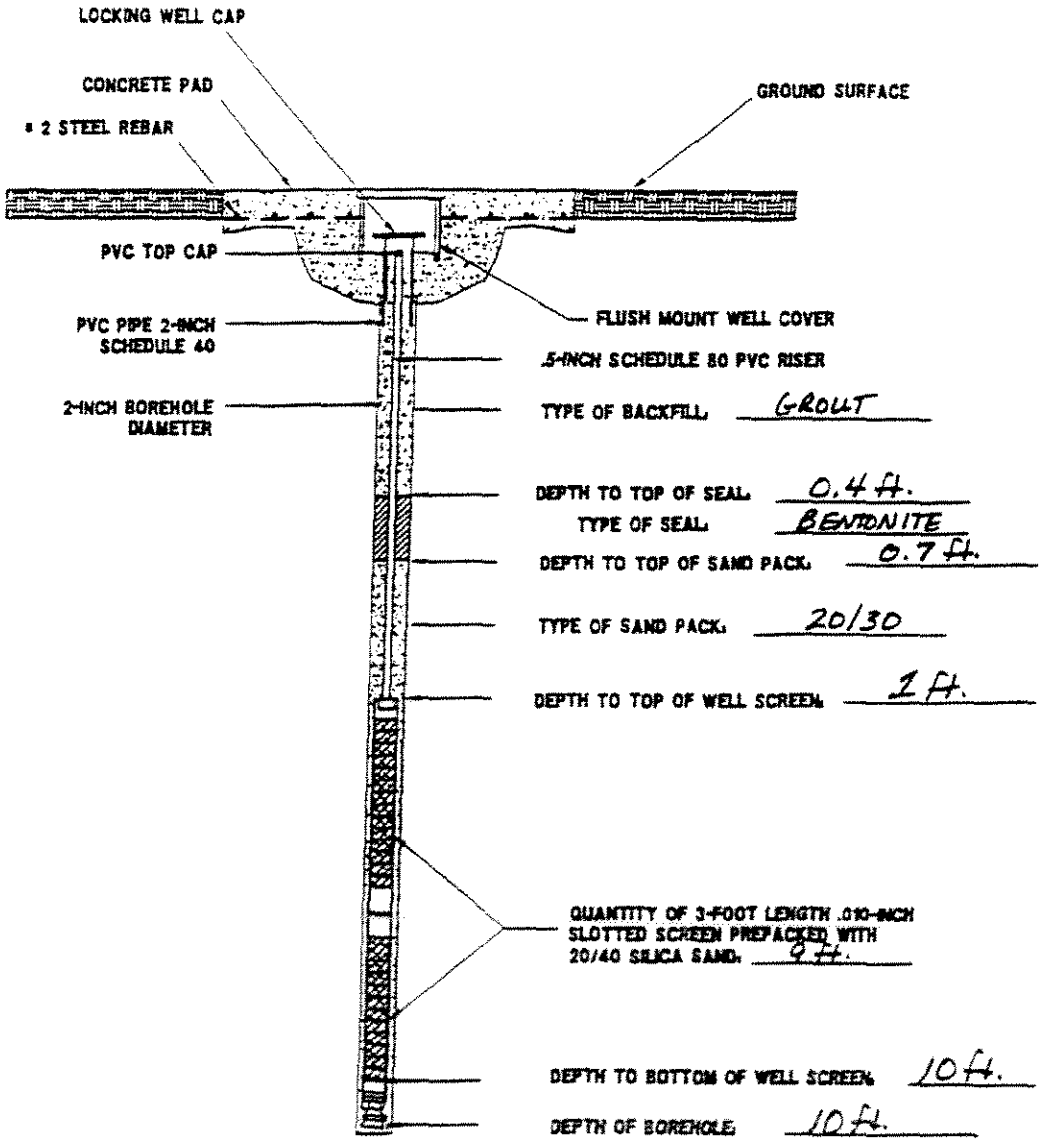


NOT TO SCALE

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC ORLANDO
PROJECT NO: 2546-05
WELL ID: OLD-09-10
FIELD PERSONNEL: S. DONELICK, P. CRAINE

SITE NAME: OU3 / SA9
DATE INSTALLED: 10-7-97
INSTALLATION METHOD: TERRAPROBE

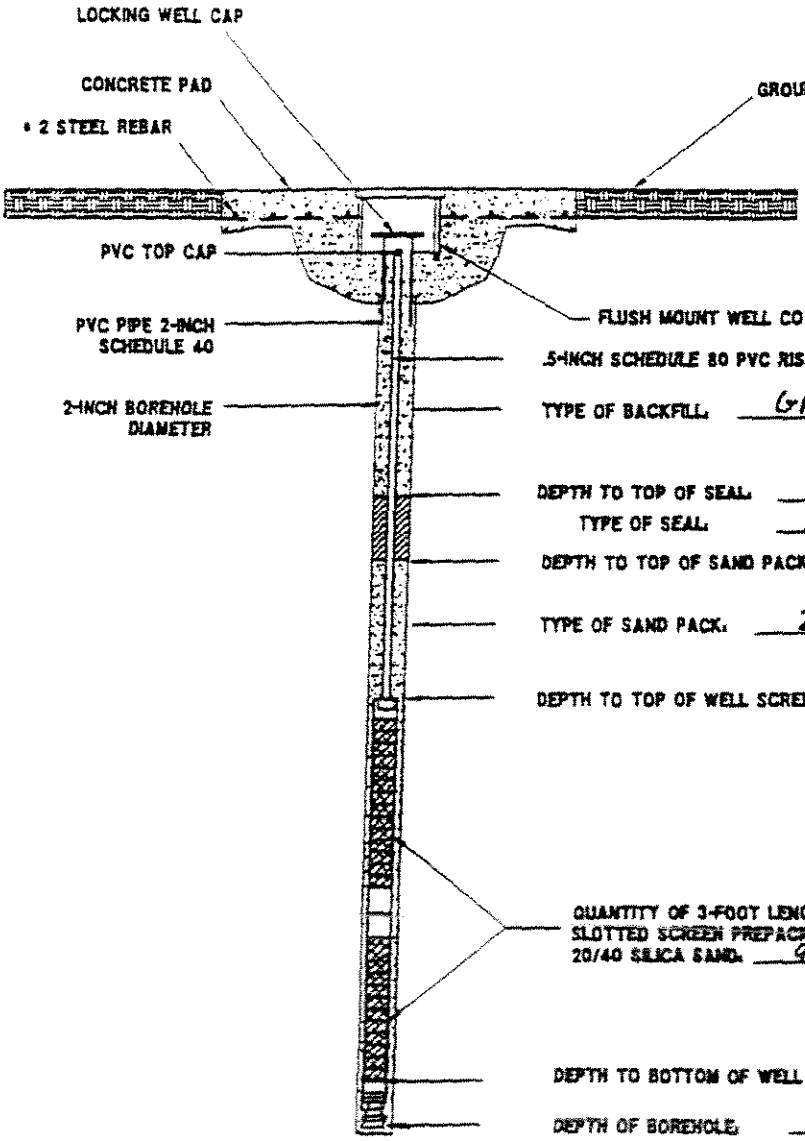


NOT TO SCALE

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC ORLANDO
PROJECT NO: 2546-05
WELL ID: OLD-09-11
FIELD PERSONNEL: S. DONELICK, P. BRAINE

SITE NAME: OU3/SA9
DATE INSTALLED: 10-7-97
INSTALLATION METHOD: TERRAPROBE



TYPE OF BACKFILL: GROUT

DEPTH TO TOP OF SEAL: 0.4 ft.
TYPE OF SEAL: BENTONITE

DEPTH TO TOP OF SAND PACK: 0.7 ft

TYPE OF SAND PACK: 20/30

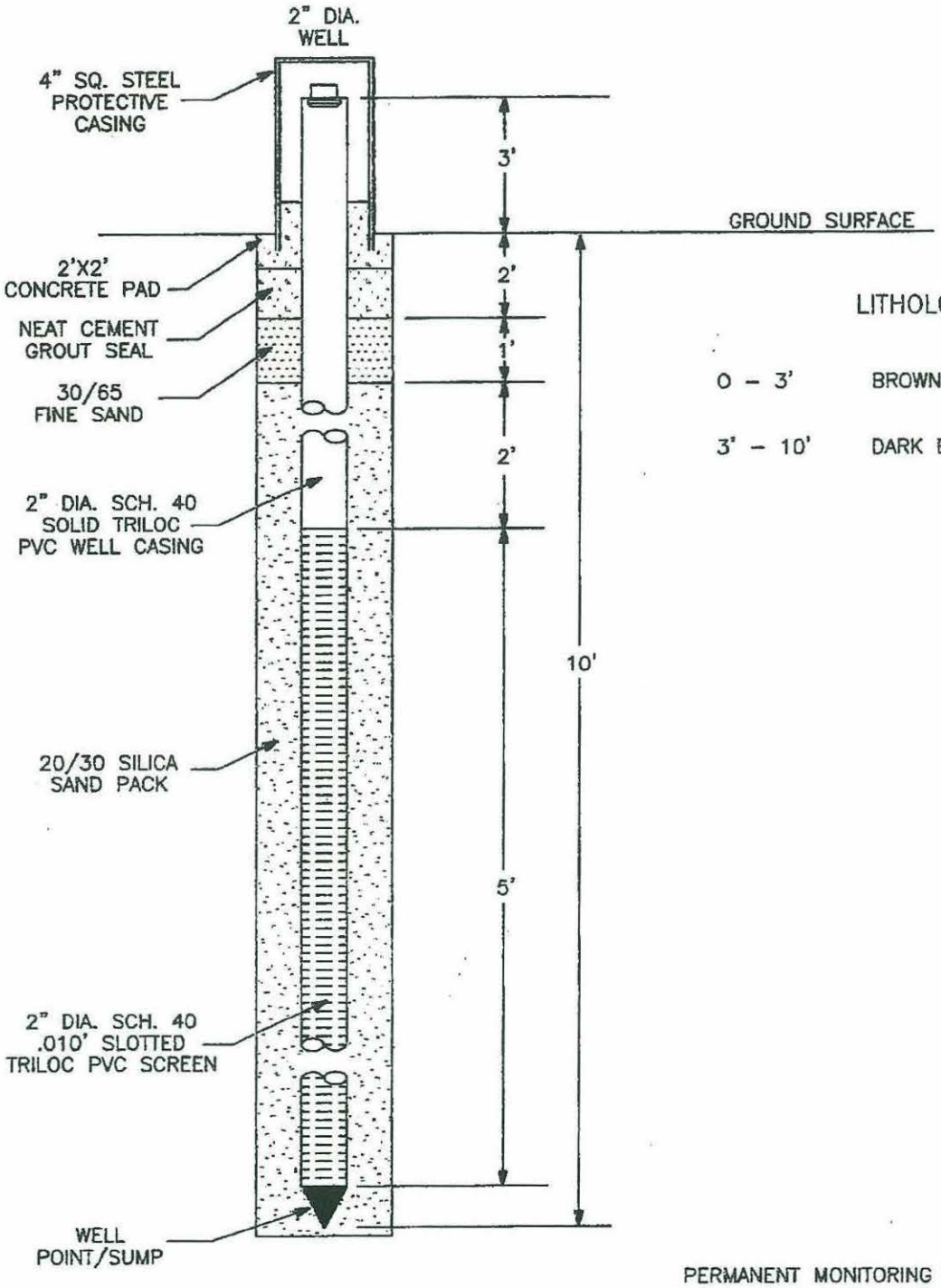
DEPTH TO TOP OF WELL SCREEN: 1 ft.

QUANTITY OF 3-FOOT LENGTH .010-INCH SLOTTED SCREEN PREPACKED WITH 20/40 SILICA SAND: 9 ft.

DEPTH TO BOTTOM OF WELL SCREEN: 10 ft.

DEPTH OF BOREHOLE: 10 ft.

NOT TO SCALE



LITHOLOGY

0 – 3'	BROWN FINE SAND
3' – 10'	DARK BROWN FINE SAND

PERMANENT MONITORING WELL No. OLD-09-12R AND
PERMANENT MONITORING WELL No. OLD-09-17R

INSTALLATION REPORT

INSTALLATION DATE: OCTOBER 28, 2004
INSTALLED BY: NODARSE & ASSOCIATES, INC.
DEPTH TO GROUNDWATER: 8 FEET BLS
INSTALLATION METHOD: DRILL RIG / HOLLOW STEM AUGERS

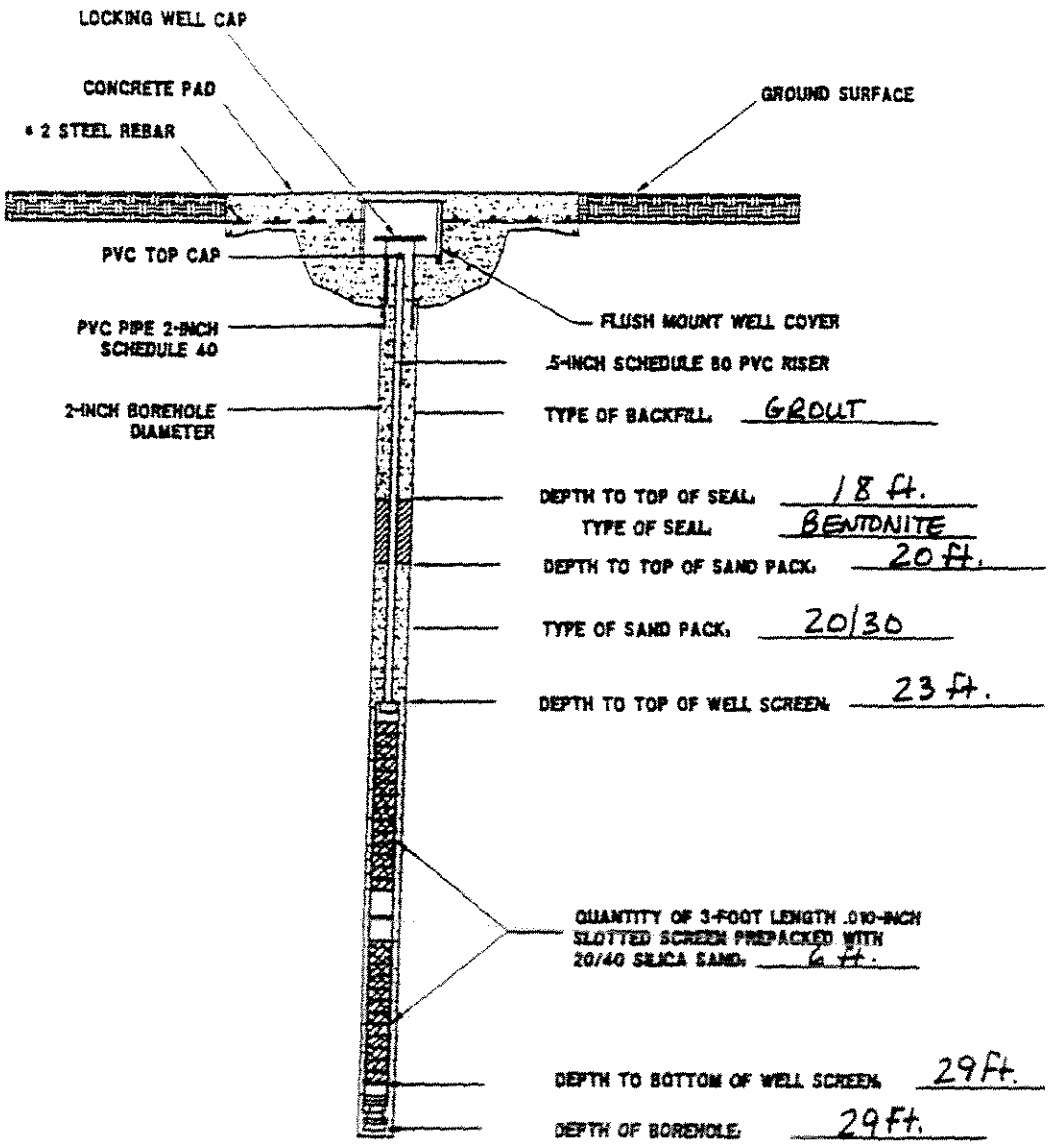
WELL CONSTRUCTION DETAIL
BALDWIN PARK – FORMER NTC
ORLANDO, ORANGE COUNTY, FLORIDA

DRAWN: SLW	NODARSE & ASSOCIATES, INC.
CHKD: DT	
SCALE: N.T.S.	
DATE: 11-5-04	PROJ. NO: W99-E-186-11 / DETAIL: 1

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC ORLANDO
PROJECT NO: 2546-05
WELL ID: OLD-09-13
FIELD PERSONNEL: S. DONELICK P. CRAINE

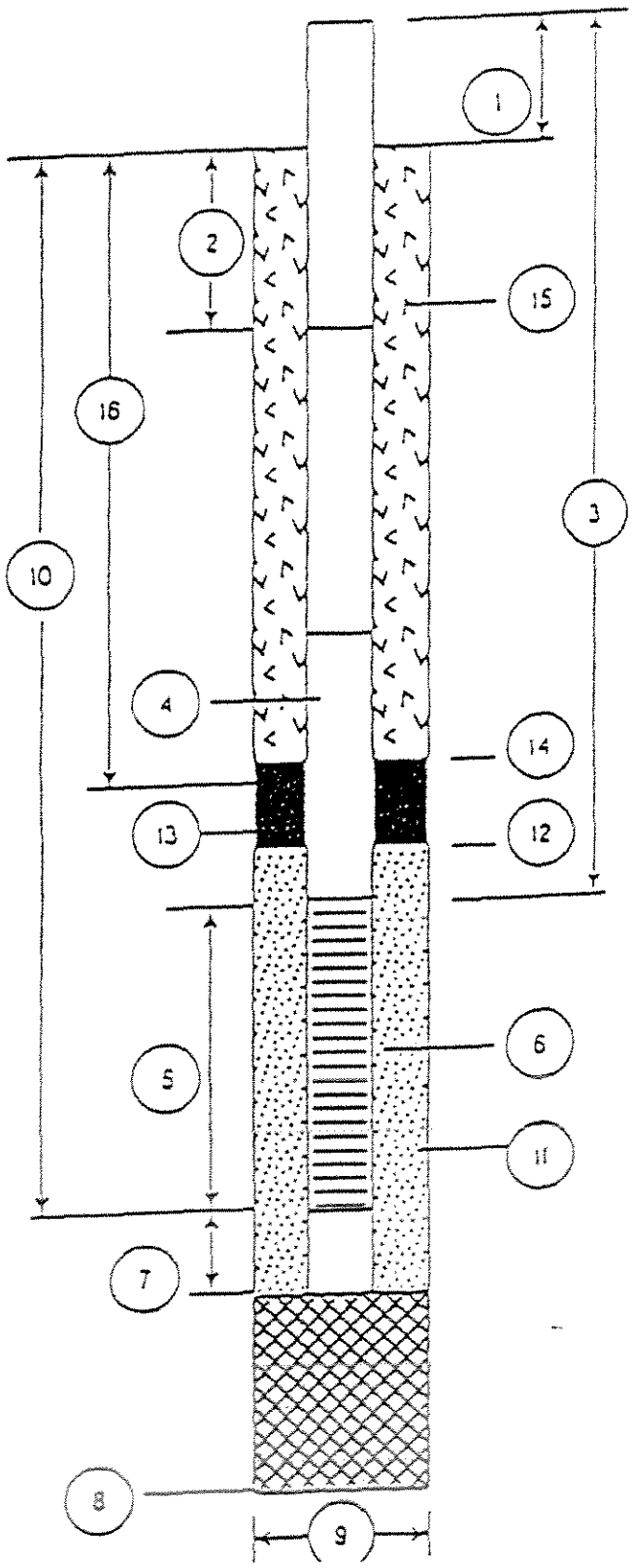
SITE NAME: OU3 / SA9
DATE INSTALLED: 10-7-97
INSTALLATION METHOD: TERRAPROBE



NOT TO SCALE

DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.



WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-09-14

DATE OF INSTALLATION: ——

1. Height of Casing above ground: 3.61
2. Depth to first Coupling: 1.39

   Coupling Interval Depths: NA
3. Total Length of Riser Pipe: 4.88
4. Type of Riser Pipe: 1/2" sched. 40 PVC
5. Length of Screen: 6'
6. Type of Screen: Geoprobe Pre-Packed 0.010 S
7. Length of Sump: NA
8. Total Depth of Boring: 7.4
9. Diameter of Boring: 4"
10. Depth to Bottom of Screen: 7.39
11. Type of Screen Filter: 20/30 PrePacked

    Quantity Used: —— Size: ——
12. Depth to Top of Filter: 0.39
13. Type of Seal: bentonite

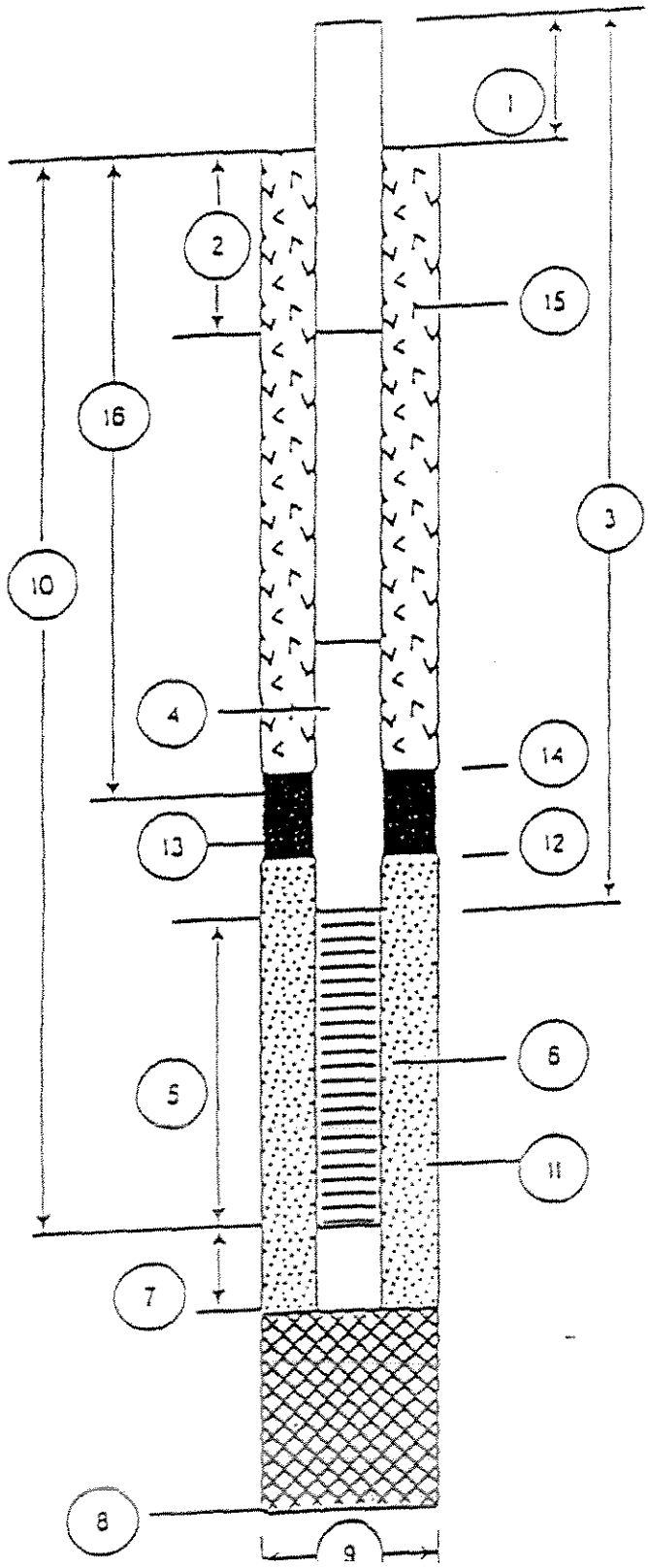
    Quantity Used: NR
14. Depth to Top of Seal: Ø
15. Type of Grout: NA

    Grout Mixture:

    Method of Placement: ——
16. Tot. Depth of 6 in. Steel Casing: NA

DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.



WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-09-15

DATE OF INSTALLATION:

1. Height of Casing above ground: 3.82
2. Depth to first Coupling: 1.18

   Coupling Interval Depths: NA
3. Total Length of Riser Pipe: 5'
4. Type of Riser Pipe: 1/2" Sched. 40 PVC
5. Length of Screen: 6'
6. Type of Screen: Geoprobe Prepacked 0.01 in Sl
7. Length of Sump: NA
8. Total Depth of Boring: 7.19
9. Diameter of Boring: 4"
10. Depth to Bottom of Screen: 7.18
11. Type of Screen Filter: 20/30 Prepacked

    Quantity Used: —— Size:
12. Depth to Top of Filter: 0.68
13. Type of Seal: bentonite

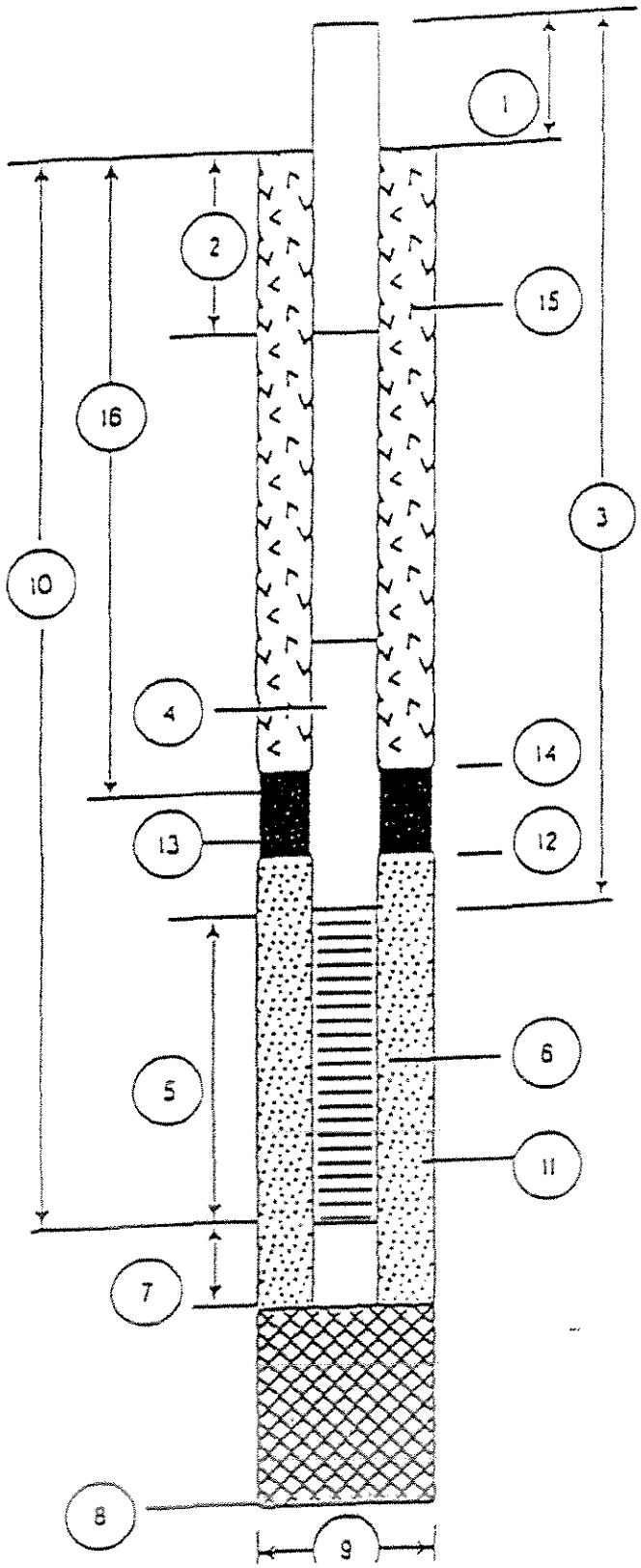
    Quantity Used: NR
14. Depth to Top of Seal: Ø
15. Type of Grout: NA

    Grout Mixture:

    Method of Placement: ——
16. Tot. Depth of 6 in. Steel Casing: NA

DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.



WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-09-16

DATE OF INSTALLATION: ——

1. Height of Casing above ground: 3.89
2. Depth to first Coupling: 1.11

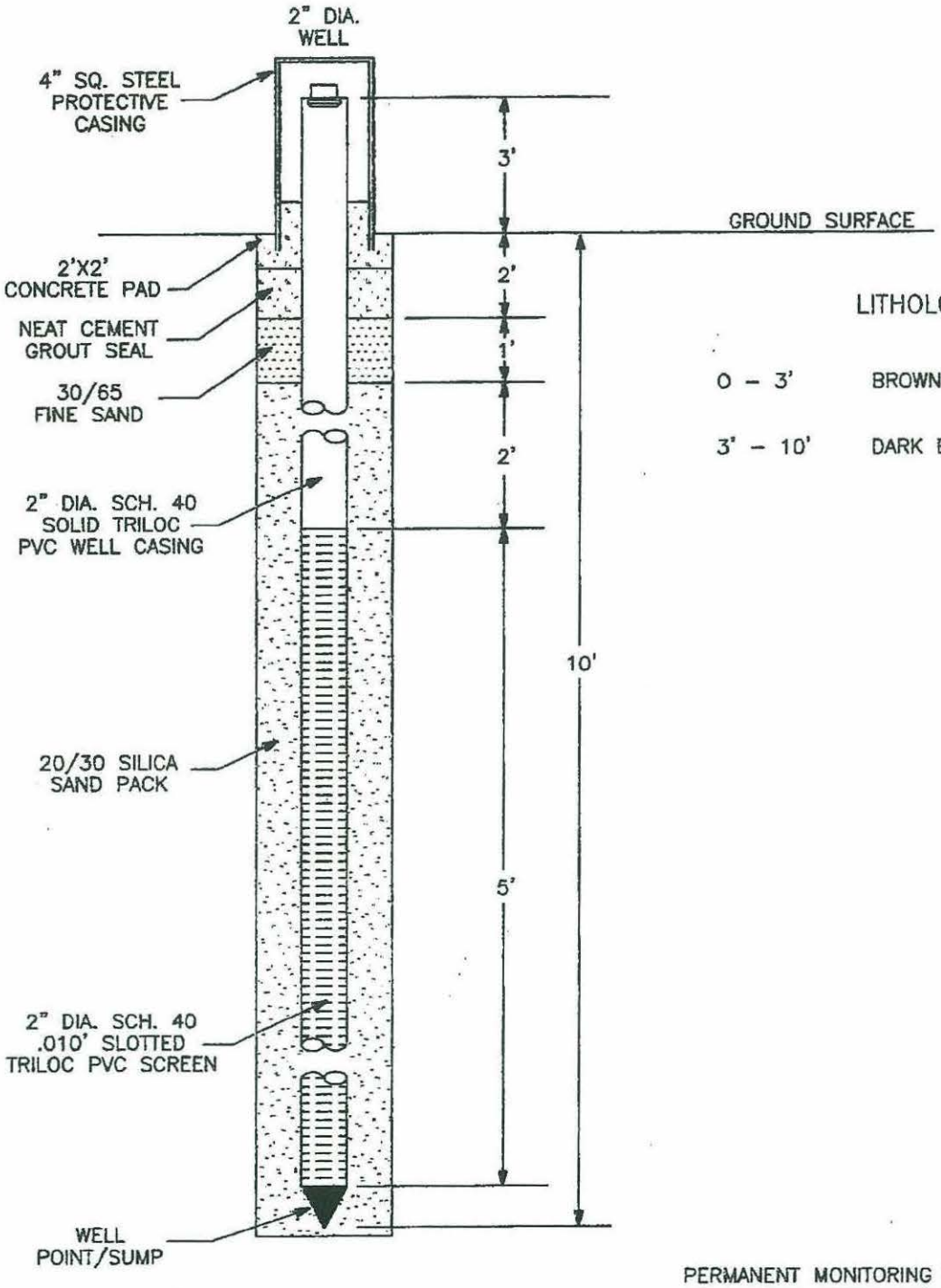
   Coupling Interval Depths: NA
3. Total Length of Riser Pipe: 5'
4. Type of Riser Pipe: 1/2" Sched 40 PVC
5. Length of Screen: 6'
6. Type of Screen: Geoprobe Prepacked 0.010 slot
7. Length of Sump: NA
8. Total Depth of Boring: 7.12
9. Diameter of Boring: 4"
10. Depth to Bottom of Screen: 7.11
11. Type of Screen Filter: 20/30 Prepacked

    Quantity Used: —— Size: ——
12. Depth to Top of Filter: 0.61
13. Type of Seal: bentonite

    Quantity Used: NR
14. Depth to Top of Seal: Ø
15. Type of Grout: NA

    Grout Mixture:

    Method of Placement: ——
16. Tot. Depth of 6 in. Steel Casing: NA



LITHOLOGY

0 – 3'	BROWN FINE SAND
3' – 10'	DARK BROWN FINE SAND

PERMANENT MONITORING WELL No. OLD-09-12R AND
PERMANENT MONITORING WELL No. OLD-09-17R

INSTALLATION REPORT

INSTALLATION DATE: OCTOBER 28, 2004
INSTALLED BY: NODARSE & ASSOCIATES, INC.
DEPTH TO GROUNDWATER: 8 FEET BLS
INSTALLATION METHOD: DRILL RIG / HOLLOW STEM AUGERS

WELL CONSTRUCTION DETAIL
BALDWIN PARK – FORMER NTC
ORLANDO, ORANGE COUNTY, FLORIDA

DRAWN: SLW	NODARSE & ASSOCIATES, INC.
CHKD: DT	
SCALE: N.T.S.	
DATE: 11-5-04	PROJ. NO: W99-E-186-11 / DETAIL: 1

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC ORLANDO

PROJECT NO. : 02546.05

DATE INSTALLED : 02/05/98

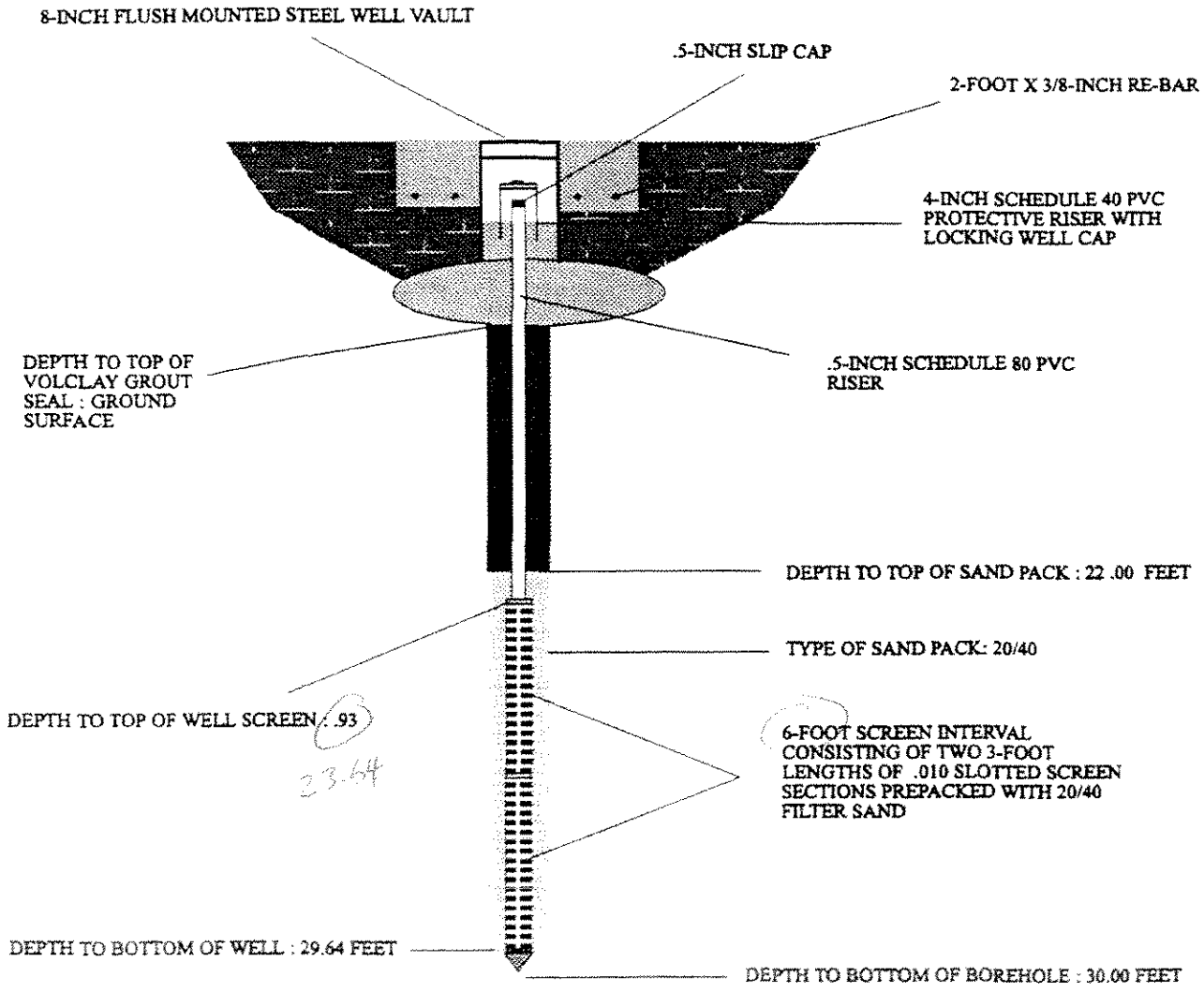
DEVELOPMENT DATE: 02/06/98

SITE NAME: OU3, SA9

WELL ID NO. : OLD-09-18

INSTALLATION METHOD : GEOPROBE

PERSONNEL : B. OLSON / P.CRAINE

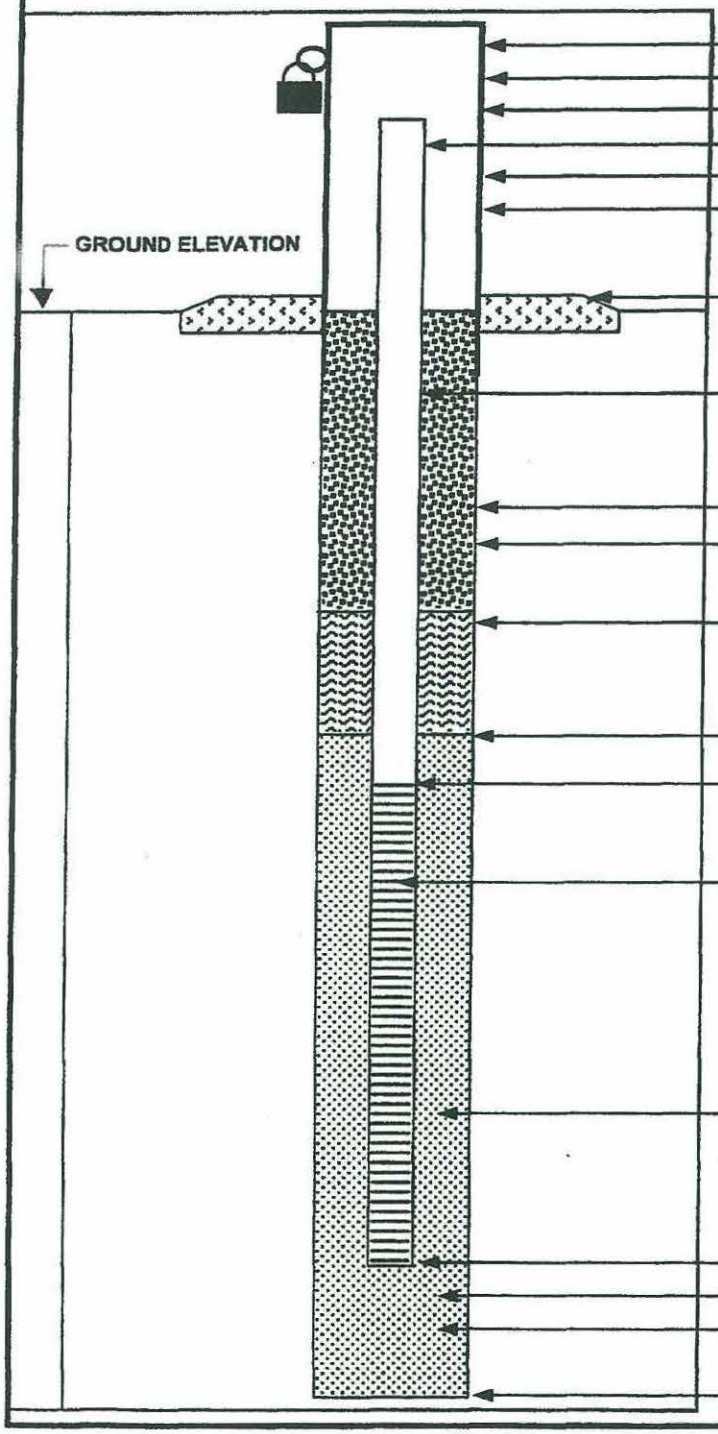


NOT TO SCALE

WELL NO.: OLD-09-19

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA9	DRILLER	Jeff Ziegler
PROJECT NO.	7457	BORING	NTC-09-19	METHOD:	
ELEVATION	94.59' (TOC)	DATE	7-30-99	DRILLING	HSA
FIELD GEOLOGIST	John Hofer			DEVELOPMENT	sub. pump



ELEVATION OF TOP OF SURFACE CASING:

ELEVATION OF TOP OF RISER PIPE:

STICK-UP TOP OF SURFACE CASING: flush

STICK-UP OF RISER PIPE: flush

I.D. OF SURFACE CASING:

TYPE OF SURFACE CASING: 8-in. Christy box

TYPE OF SURFACE SEAL: concrete

RISER PIPE I.D.: PVC

TYPE OF RISER PIPE:

BOREHOLE DIAMETER: 8.25-in.

TYPE OF SEAL: neat grout w/ bentonite powder

ELEVATION / DEPTH OF SEAL: / 18.5 ft

TYPE OF SEAL: bentonite

DEPTH - TOP OF SAND PACK: / 20.5 ft

ELEVATION / DEPTH - TOP OF SCREEN: / 25.5 ft

TYPE OF SCREEN: PVC

SLOT SIZE X LENGTH: 0.01-in. x 5 ft

I.D. OF SCREEN: 2-in.

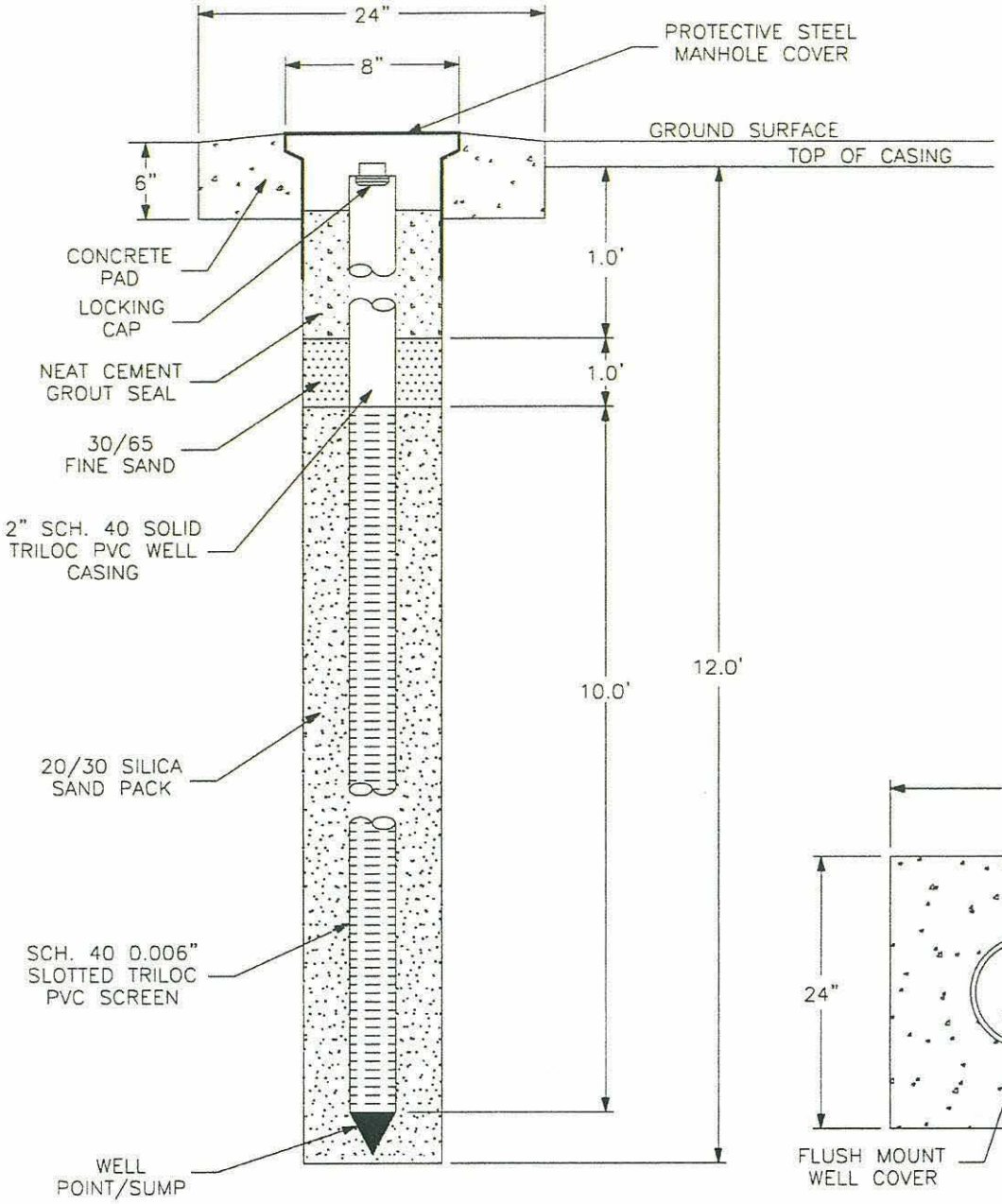
TYPE OF SAND PACK: 20/30 22.5 ft to 31 ft
30/65 20.5 ft to 22.5 ft

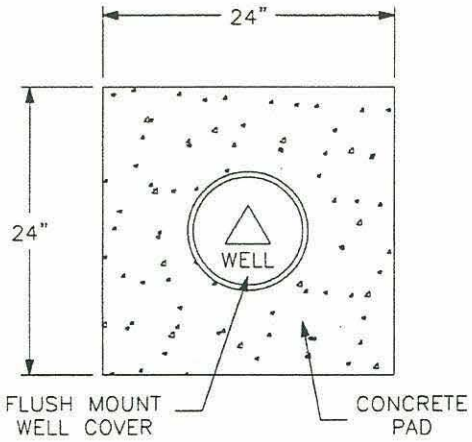
ELEVATION / DEPTH TO BOTTOM OF SCREEN: / 30.5 ft

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: / 31 ft

TYPE OF BACKFILL BELOW MONITORING WELL: sand

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: / 31 ft





TOP VIEW OF CROSS-SECTION

WELL No. 09-20R

INSTALLATION REPORT

INSTALLATION DATE: 12-2005

INSTALLED BY: FLORIDA SOUTHERN DOWNHOLE, INC.

MONITORING WELL DETAIL
BALDWIN PARK US NAVY LANDFILL
GROUNDWATER MONITORING WELL INSTALLATION
ORANGE COUNTY, FLORIDA

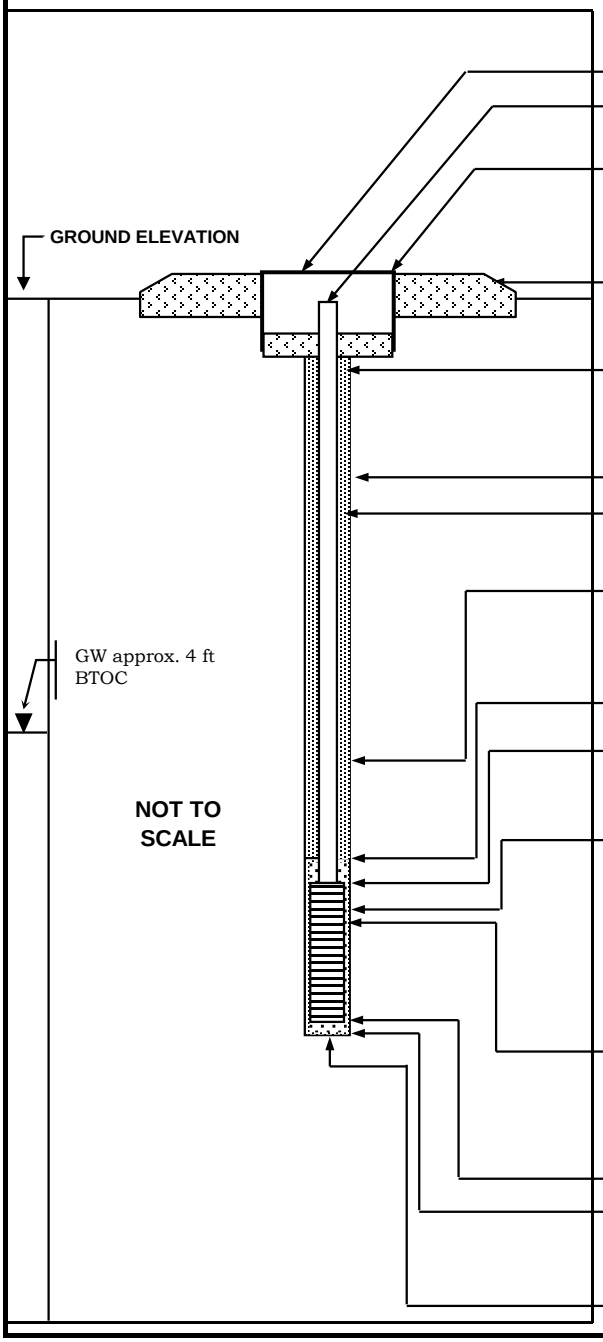
DRAWN: JJL	NODARSE & ASSOCIATES, INC.	
CHKD: EK		
SCALE: NOTED		
DATE: 11-16-06	PROJ. NO: W99-E-186-317	FIGURE: 7

Nov 11, 2006-11:58am

WELL NO.: OLD-09-21

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 9 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	2817	BORING	OLD-09-21	METHOD:	
ELEVATION	93.03	DATE	8-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



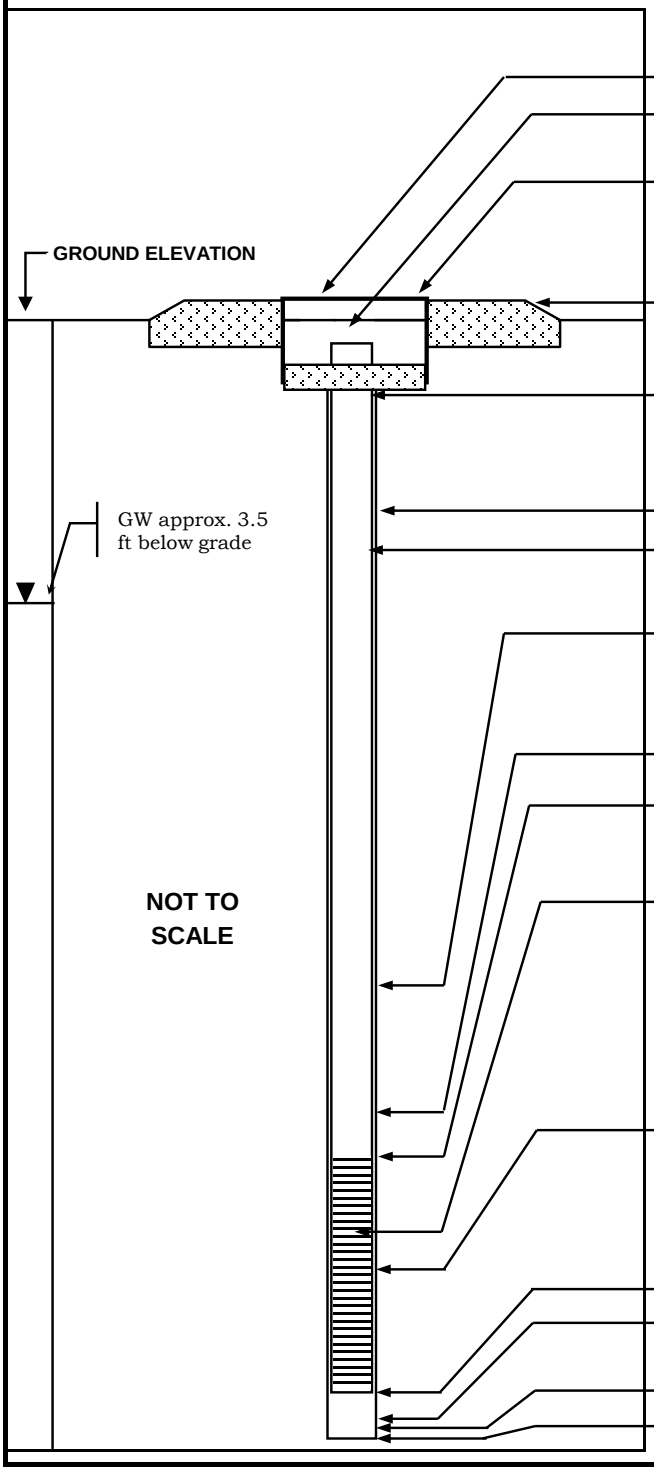
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	93.03
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	30/65 (fine) sand
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	8 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.01 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in.
TYPE OF SAND PACK:	20/30 inside screen natural formation (sand) outside screen
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	13 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	13 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	13 ft

COMMENTS:

WELL NO.: OLD-09-22

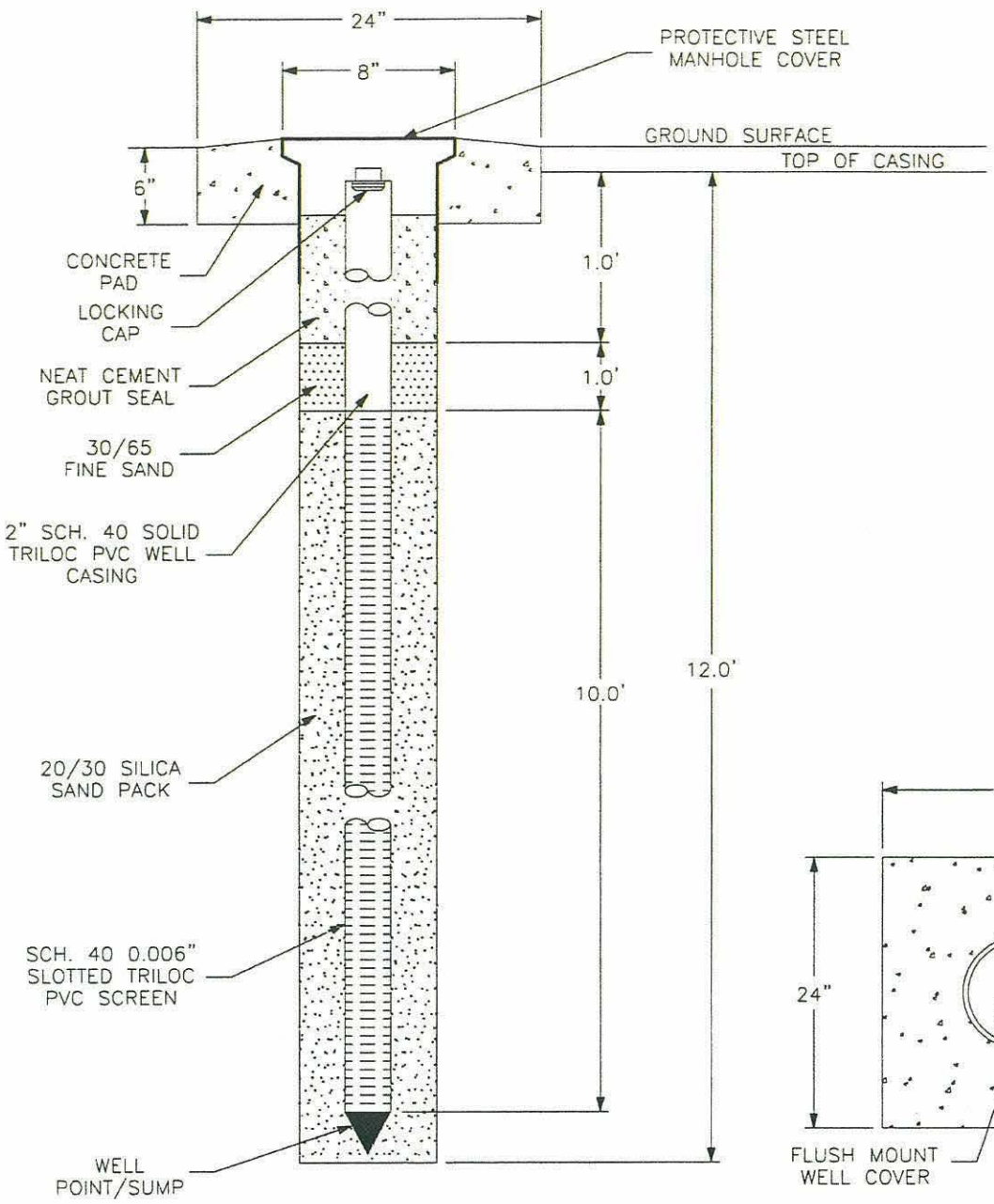
OVERBURDEN MONITORING WELL SHEET

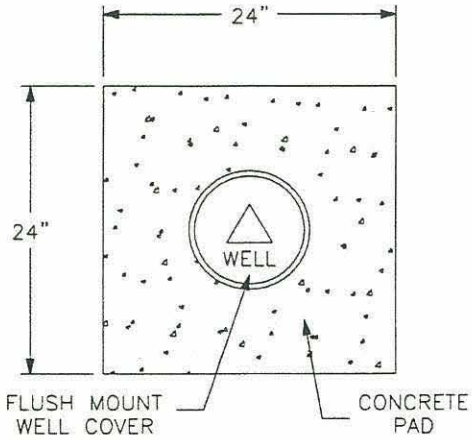
PROJECT	NTC Orlando	LOCATION	SA9 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	2817	BORING	OLD-09-22	METHOD:	
ELEVATION	93.08	DATE	8-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	93.08
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	2 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	NA
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	8 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
I.D. OF SCREEN:	2-in.
TYPE OF SAND PACK:	natural formation (sand)
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	13 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	13 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	13 ft

COMMENTS:





TOP VIEW OF CROSS-SECTION

WELL No. 09-23R

INSTALLATION REPORT

INSTALLATION DATE: 12-2005

INSTALLED BY: FLORIDA SOUTHERN DOWNHOLE, INC.

MONITORING WELL DETAIL
BALDWIN PARK US NAVY LANDFILL
GROUNDWATER MONITORING WELL INSTALLATION
ORANGE COUNTY, FLORIDA

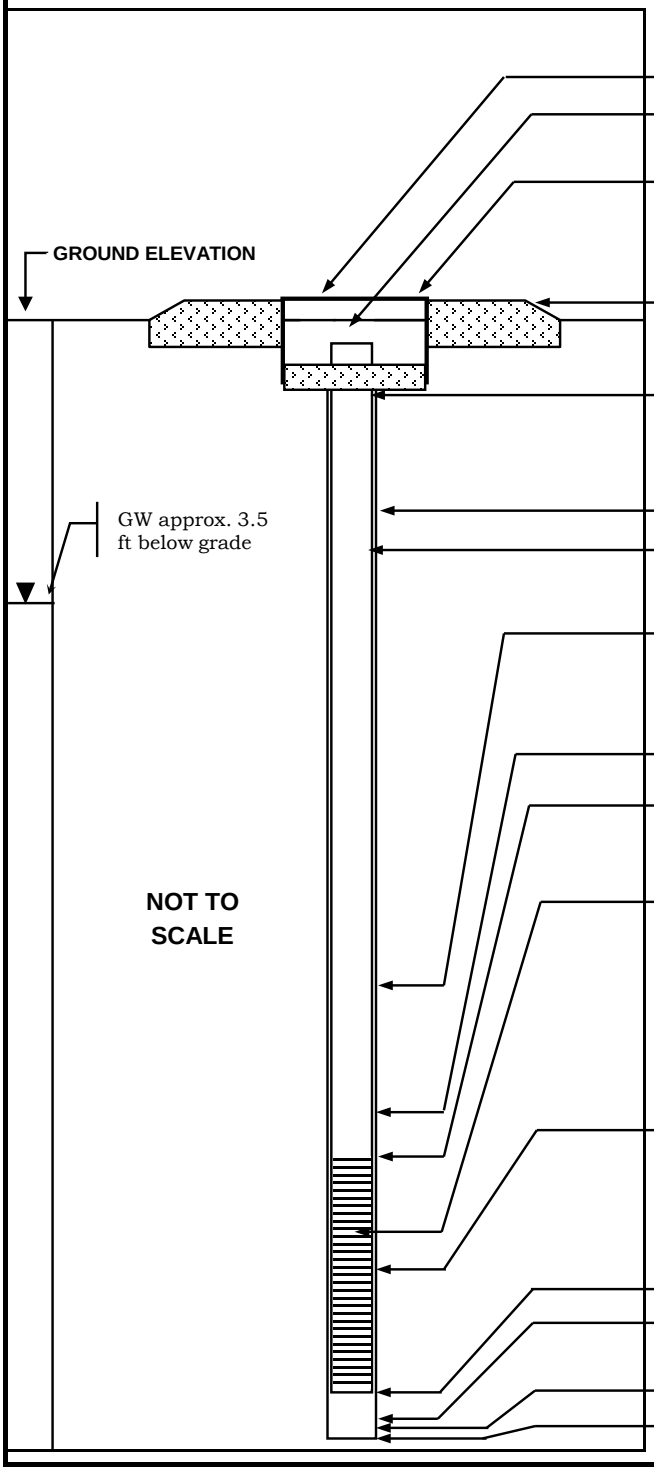
DRAWN: JJL	NODARSE & ASSOCIATES, INC.	
CHKD: EK		
SCALE: NOTED		
DATE: 11-16-06	PROJ. NO: W99-E-186-317	FIGURE: 8

Nov11, 2006-11:38am

WELL NO.: OLD-09-24

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA9 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	2817	BORING	OLD-09-24	METHOD:	
ELEVATION	92.86	DATE	8-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



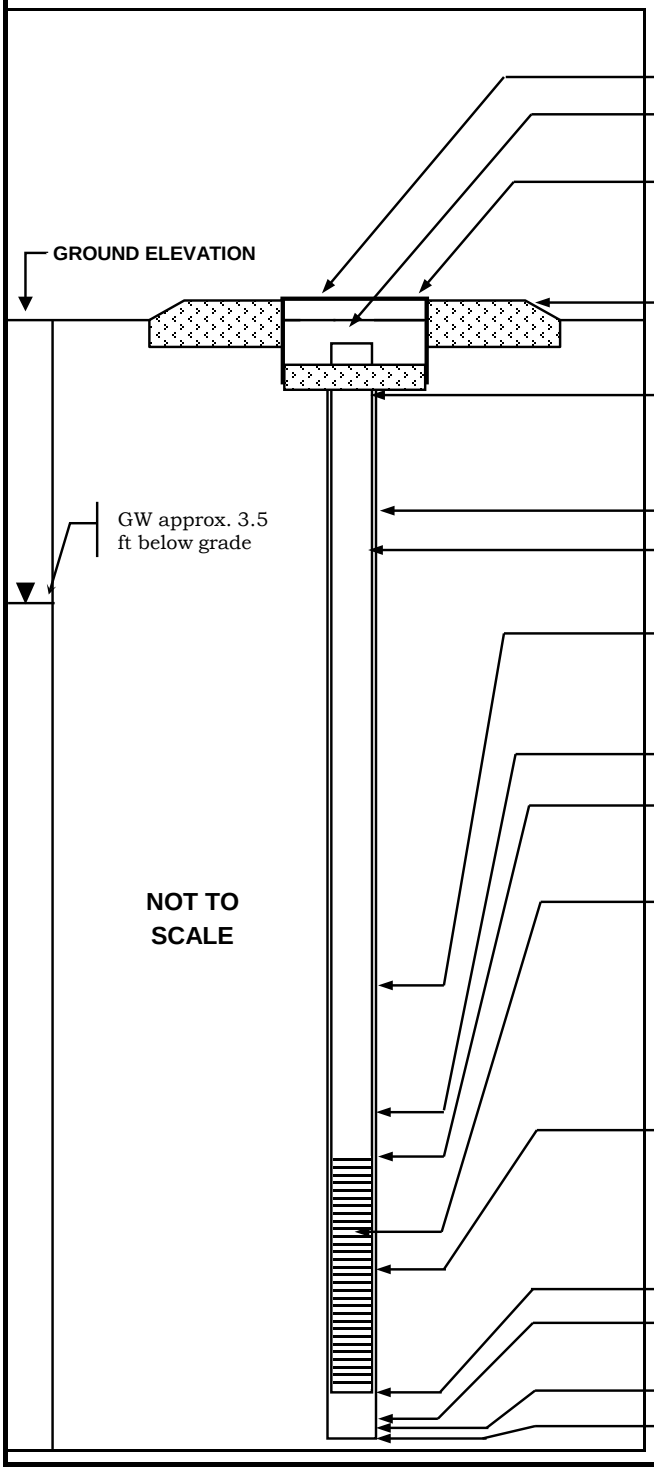
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	92.86
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	2 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	NA
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	8 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
I.D. OF SCREEN:	2-in.
TYPE OF SAND PACK:	natural formation (sand)
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	13 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	13 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	13 ft

COMMENTS:

WELL NO.: OLD-09-25

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA9 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	2817	BORING	OLD-09-25	METHOD:	
ELEVATION	93.32	DATE	8-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



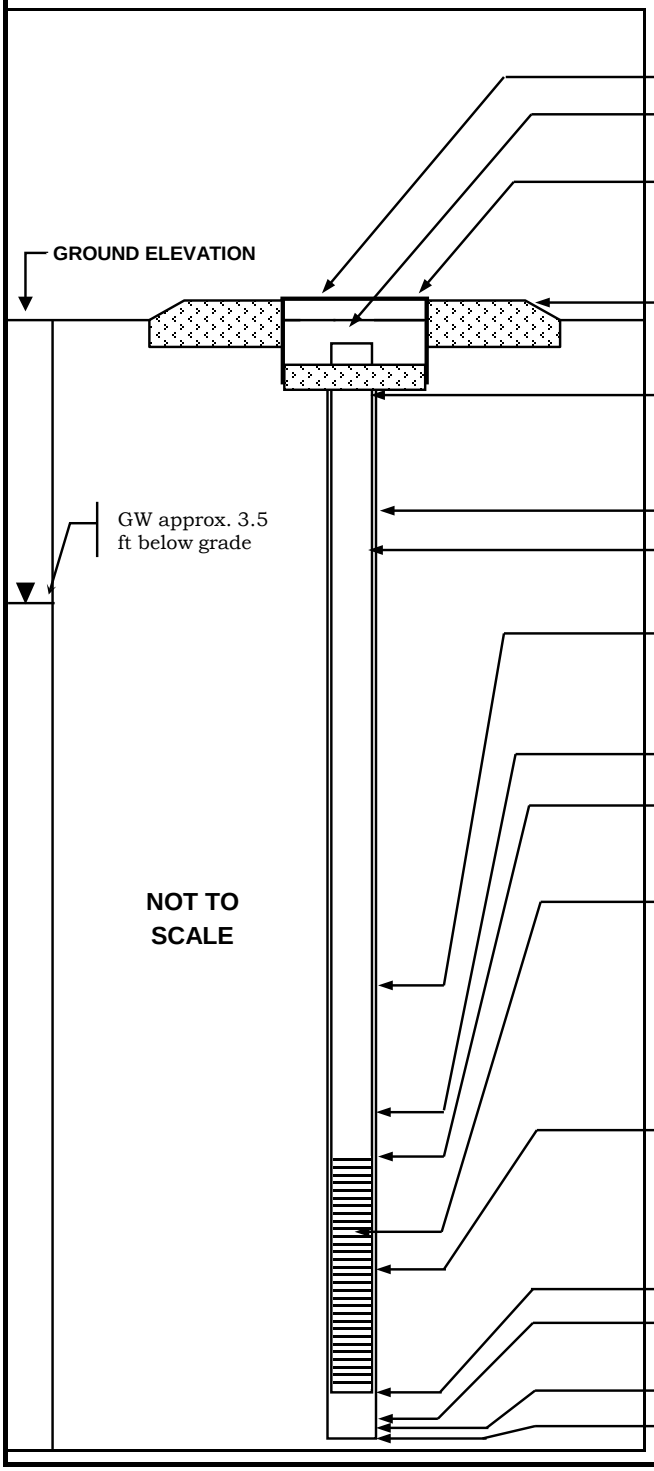
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	93.32
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	2 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	NA
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	26 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
I.D. OF SCREEN:	2-in.
TYPE OF SAND PACK:	natural formation (sand)
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	31 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	31 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	31 ft

COMMENTS:

WELL NO.: OLD-09-26

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA9 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	2817	BORING	OLD-09-26	METHOD:	
ELEVATION	93.08	DATE	8-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



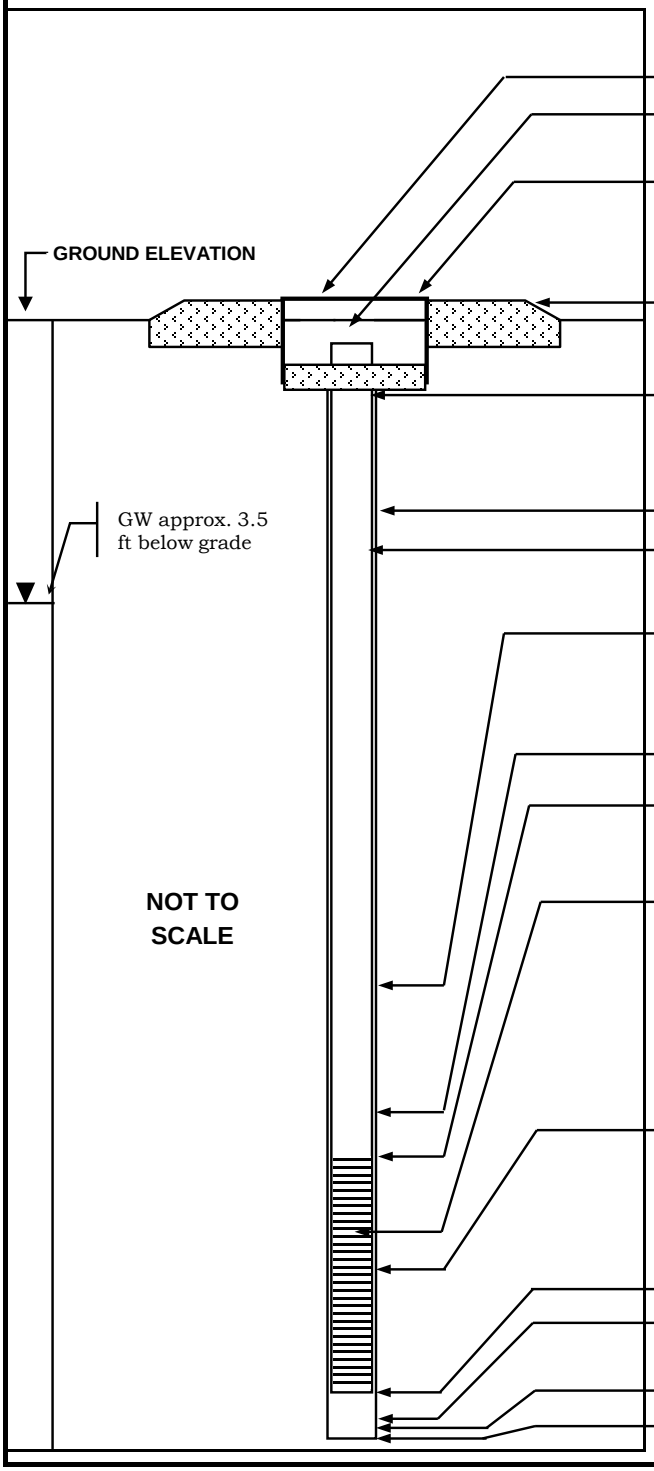
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	93.08
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	2 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	NA
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	8 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
I.D. OF SCREEN:	2-in.
TYPE OF SAND PACK:	natural formation (sand)
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	13 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	13 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	13 ft

COMMENTS:

WELL NO.: OLD-09-27

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA9 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	2817	BORING	OLD-09-27	METHOD:	
ELEVATION	93.22	DATE	8-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



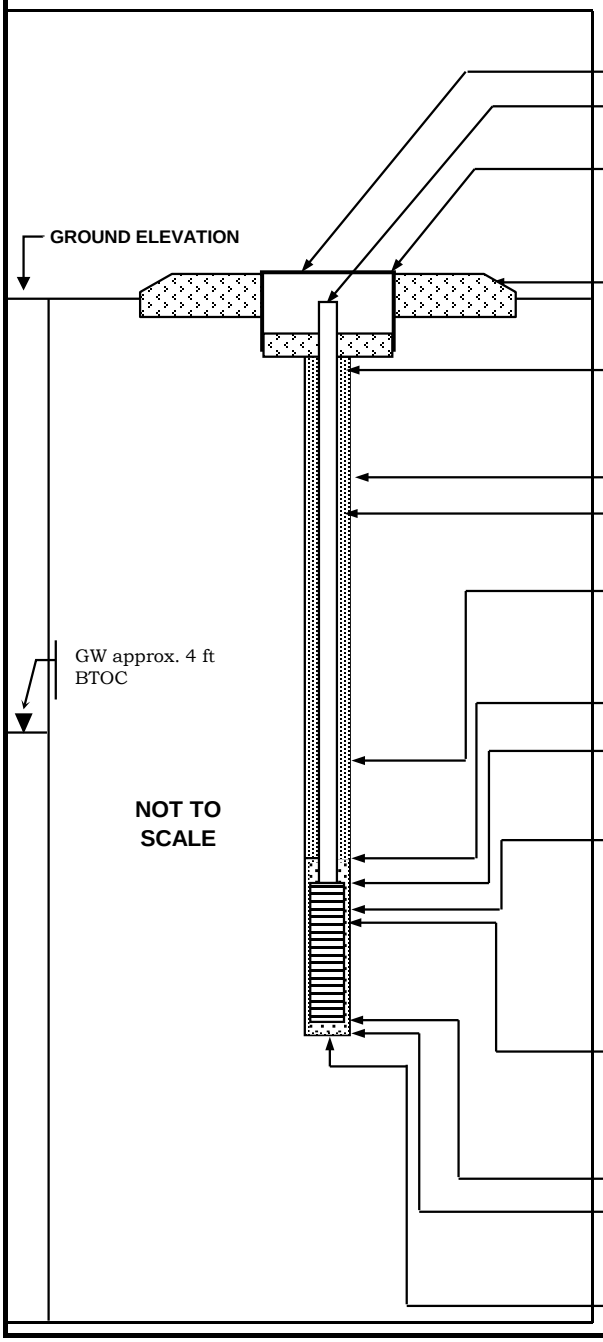
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	93.22
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	2 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	NA
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	26 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
I.D. OF SCREEN:	2-in.
TYPE OF SAND PACK:	natural formation (sand)
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	31 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	31 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	31 ft

COMMENTS:

WELL NO.: OLD-09-28

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 9 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	2817	BORING	OLD-09-28	METHOD:	
ELEVATION	93.08	DATE	8-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



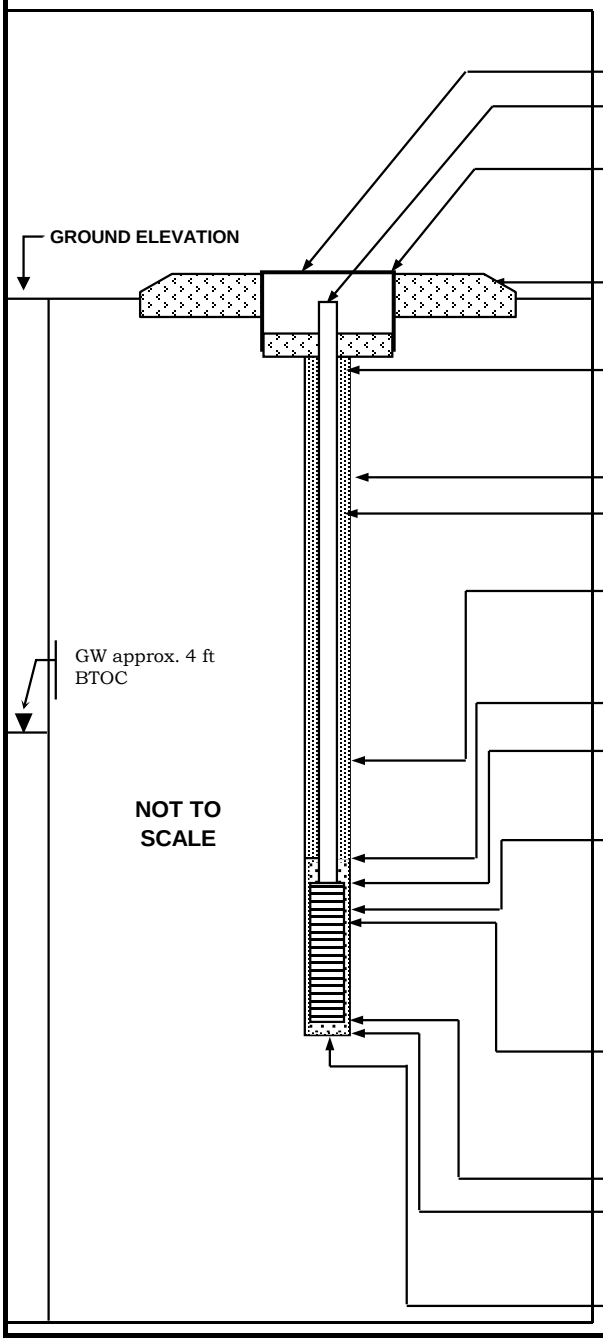
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	93.08
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	30/65 (fine) sand
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	8 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.01 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in.
TYPE OF SAND PACK:	20/30 inside screen natural formation (sand) outside screen
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	13 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	13 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	13 ft

COMMENTS:

WELL NO.: OLD-09-29

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 9 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	2817	BORING	OLD-09-29	METHOD:	
ELEVATION	93.42	DATE	8-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



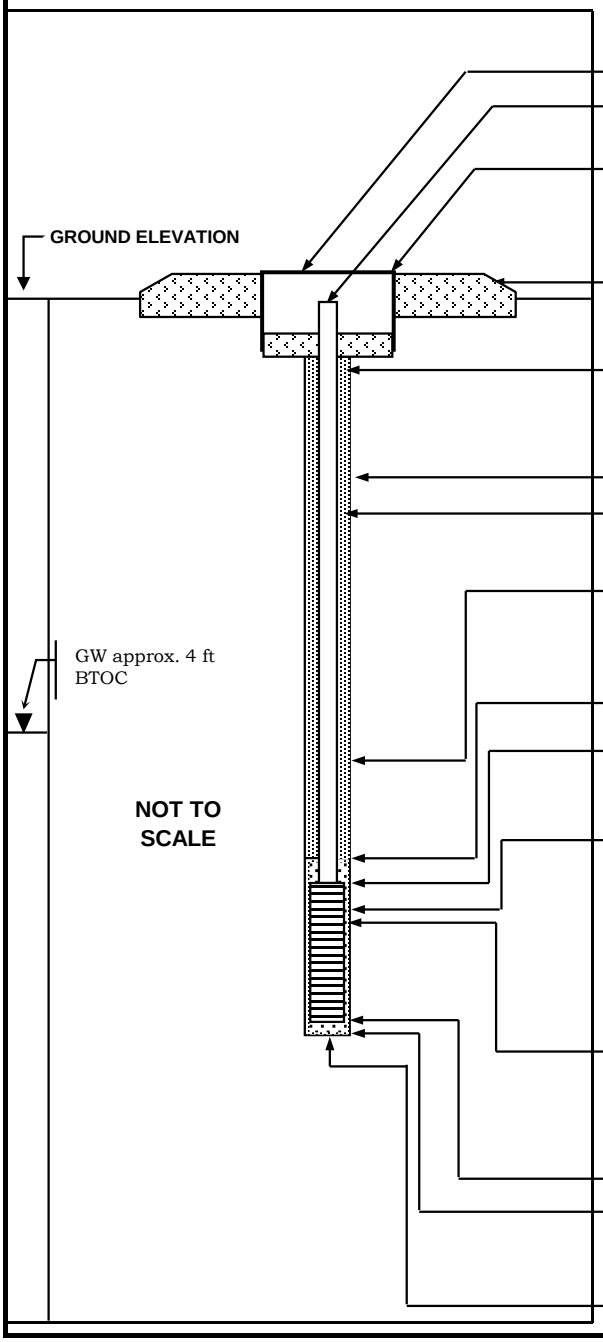
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	93.42
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	30/65 (fine) sand
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	7 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.01 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in.
TYPE OF SAND PACK:	20/30 inside screen natural formation (sand) outside screen
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	12 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	12 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	12 ft

COMMENTS:

WELL NO.: OLD-09-30

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 9 - Main Base	DRILLER	Dennis Perez
PROJECT NO.	2817	BORING	OLD-09-30	METHOD:	
ELEVATION	93.08	DATE	9-Apr-02	DRILLING	DPT
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	peristaltic pump



ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	93.08
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	concrete
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	3 in.
TYPE OF SEAL:	30/65 (fine) sand
ELEVATION / DEPTH OF SEAL:	NA
TYPE OF SEAL:	NA
DEPTH - TOP OF SAND PACK:	NA
ELEVATION / DEPTH - TOP OF SCREEN:	7 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.01 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in.
TYPE OF SAND PACK:	20/30 inside screen natural formation (sand) outside screen
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	12 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	12 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	12 ft

COMMENTS:

Survey Information

Naval Training Center
Study Area 9
Orlando, Florida

Bowyer-Singleton & Associates, Inc.
200 Business Park Circle, Suite 113, St. Augustine, FL 32095
Phone 904-940-9460 ext.103 / Fax 904-940-9493

Field Surveys May 15, 2008

Note: Horizontal Datum is NAD (North American Datum) 83 SPC FL. E. US feet
Vertical Datum is NAVD (North American Vertical Datum) 88

Description		North Coord.	East Coord.	Elevation TOC	Elevation Top Of Enclosure	Elevation Ground
Survey Control Points:						
AK7130	NGS MONUMENT	1523378.56	543185.27	---	---	98.63
AK7129	NGS MONUMENT	1541920.20	539147.41	---	---	79.26
802	5/8" IRC "LB 1221 BSA TRAV"	537045.52	549446.52	---	---	114.31
801	5/8" IRC "LB 1221 BSA TRAV"	536887.39	544843.14	---	---	108.15
800	5/8" IRC "LB 1221 BSA TRAV"	536335.17	544865.93	---	---	111.71
803	5/8" IRC "LB 1221 BSA TRAV"	537923.97	549430.73	---	---	115.01
804	5/8" IRC "LB 1221 BSA TRAV"	541818.83	547952.00	---	---	119.37
805	5/8" IRC "LB 1221 BSA TRAV"	543145.12	547819.35	---	---	112.82
806	5/8" IRC "LB 1221 BSA TRAV"	539357.80	553782.11	---	---	94.27
807	5/8" IRC "LB 1221 BSA TRAV"	540062.10	554286.97	---	---	93.60
Monitor Wells						
OLD-09-01		1539392.05	553787.07	93.50	93.74	93.8
OLD-09-03R		1539332.59	553741.94	94.40	94.64	94.5
OLD-09-04R		1539362.33	553846.98	93.76	94.00	94.2
OLD-09-05		1539417.58	553802.37	92.91	93.22	93.1
OLD-09-06		1539407.08	553852.36	92.50	92.91	93.0
OLD-09-09		1539324.41	553710.68	93.77	94.30	94.3
OLD-09-10		1539384.30	553726.03	93.26	93.68	93.6
OLD-09-11		1539363.31	553811.98	93.68	94.08	93.9
OLD-09-12R		1539339.17	553847.12	98.16	98.28	95.6
OLD-09-13		1539368.99	553841.00	93.52	93.99	94.0
OLD-09-14		1539449.52	553686.57	95.97	96.86	92.2
OLD-09-15		1539487.01	553733.27	95.46	95.51	91.5
OLD-09-16		1539520.45	553768.88	95.48	95.54	91.6
OLD-09-17R		1539379.27	553895.59	97.17	97.34	95.5
OLD-09-18		1539392.97	553790.72	93.42	93.82	93.7
OLD-09-19		1539393.37	553795.62	94.42	93.78	93.7
OLD-09-20R		1539418.78	553743.87	92.52	92.74	92.7
OLD-09-21		1539456.34	553789.22	92.96	93.21	92.9
OLD-09-22		1539451.48	553793.28	92.99	93.25	93.0
OLD-09-23R		1539446.93	553798.46	93.03	93.27	93.2
OLD-09-24		1539467.45	553838.75	92.81	92.96	93.0
OLD-09-25		1539466.95	553844.10	93.26	93.46	93.4
OLD-09-26		1539461.84	553838.58	92.93	93.14	93.1
OLD-09-27		1539455.74	553844.81	93.06	93.23	93.2
OLD-09-28		1539456.53	553838.07	92.99	93.10	92.9
OLD-09-29		1539447.93	553896.38	93.31	93.59	93.4
OLD-09-30		1539432.97	553911.59	92.97	93.22	93.4

Inspection Forms

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-01 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	10:13
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	13.00	Survey Northing	1,539,392.0500
Screen Interval (ft)	3-13	Survey Easting	553,787.0700
Well Diameter (in)	2	North (decimal degrees)	28.56811485
Well Material	PVC SCH 40	East (decimal degrees)	-81.31895662
Completion Type:	Flush Mount	TOC Elevation	93.5

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-03R / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	8:46
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.00	Survey Northing	1,539,332.5900
Screen Interval (ft)	2-12	Survey Easting	553,741.9400
Well Diameter (in)	2	North (decimal degrees)	28.56795133
Well Material	PVC SCH 40	East (decimal degrees)	-81.31909681
Completion Type:	Flush Mount	TOC Elevation	94.4

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

Well vault filled with water

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-04R / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	9:30
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.00	Survey Northing	1,539,362.3300
Screen Interval (ft)	2-12	Survey Easting	553,846.9800
Well Diameter (in)	2	North (decimal degrees)	28.56803344
Well Material	PVC SCH 40	East (decimal degrees)	-81.31876995
Completion Type:	Flush Mount	TOC Elevation	93.76

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	Yes
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-05 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	16:57
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	10.00	Survey Northing	1,539,417.5800
Screen Interval (ft)	1-10	Survey Easting	553,802.3700
Well Diameter (in)	0.5	North (decimal degrees)	28.56818531
Well Material	PVC SCH 40	East (decimal degrees)	-81.31890943
Completion Type:	Flush Mount	TOC Elevation	94.07

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-06 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	9:59
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	10.00	Survey Northing	1,539,407.0800
Screen Interval (ft)	1-10.00	Survey Easting	553,852.3600
Well Diameter (in)	0.5	North (decimal degrees)	24.75666467
Well Material	PVC SCH 40	East (decimal degrees)	-81.30833267
Completion Type:	Flush Mount	TOC Elevation	92.5

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good,partially buried pad	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-09 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	8:37
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	10.00	Survey Northing	1,539,324.4100
Screen Interval (ft)	1-10.00	Survey Easting	553,710.6800
Well Diameter (in)	0.5	North (decimal degrees)	28.56792842
Well Material	PVC SCH 40	East (decimal degrees)	-81.31919426
Completion Type:	Flush Mount	TOC Elevation	93.77

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	partially buried pad	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-10 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	11:14
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	10.01	Survey Northing	1,539,384.3000
Screen Interval (ft)	1-10.00	Survey Easting	553,726.0300
Well Diameter (in)	0.5	North (decimal degrees)	28.56809337
Well Material	PVC SCH 40	East (decimal degrees)	-81.31914736
Completion Type:	Flush Mount	TOC Elevation	93.26

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-11 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	8:53
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	10.00	Survey Northing	1,539,363.3100
Screen Interval (ft)	1-10.0	Survey Easting	553,811.9800
Well Diameter (in)	0.5	North (decimal degrees)	28.56803618
Well Material	PVC SCH 40	East (decimal degrees)	-81.31887889
Completion Type:	Flush Mount	TOC Elevation	93.68

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	damaged, cracked	Replace Well Pad	Yes
Well Tag	not attached,paint pen,standard tag	Replace Well Tag	No
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-12R / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	9:36
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	10.00	Survey Northing	1,539,339.1700
Screen Interval (ft)	5-10	Survey Easting	553,847.1200
Well Diameter (in)	2	North (decimal degrees)	28.56797057
Well Material	PVC SCH 40	East (decimal degrees)	-81.31876984
Completion Type:	Stickup	TOC Elevation	98.16

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	missing	Replace Well Pad	Yes
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-13 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	8:59
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	29.00	Survey Northing	1,539,368.9900
Screen Interval (ft)	23-29	Survey Easting	553,841.0000
Well Diameter (in)	0.5	North (decimal degrees)	28.56805186
Well Material	PVC SCH 40	East (decimal degrees)	-81.31878866
Completion Type:	Flush Mount	TOC Elevation	93.52

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	partially buried pad	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-14 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	11:29
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	11.01	Survey Northing	1,539,449.5200
Screen Interval (ft)	1.4-7.4	Survey Easting	553,686.5700
Well Diameter (in)	0.5	North (decimal degrees)	28.5682721
Well Material	PVC SCH 40	East (decimal degrees)	-81.31927263
Completion Type:	Stickup	TOC Elevation	95.97

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	missing	Replace Well Pad	Yes
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	damaged	Replace Well Cover	Yes
Well Cap	non-locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	damaged, not anchored into ground	Replace Protective Casing	Yes

WELL PHOTOGRAPH

COMMENTS

Need to install pad to anchor protective casing

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-15 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	11:37
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	11.01	Survey Northing	1,539,487.0100
Screen Interval (ft)	1.2-7.2	Survey Easting	553,733.2700
Well Diameter (in)	0.5	North (decimal degrees)	28.56837689
Well Material	PVC SCH 40	East (decimal degrees)	-81.31912519
Completion Type:	Stickup	TOC Elevation	95.46

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	missing	Replace Well Pad	Yes
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	damaged, 4 inch locking cap	Replace Well Cover	Yes
Well Cap	missing	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	damaged	Replace Protective Casing	See Comment

WELL PHOTOGRAPH

COMMENTS

protective casing needs to be anchored

SIGNATURE

TERRAINE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-16 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	11:43
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	11.01	Survey Northing	1,539,520.4500
Screen Interval (ft)	1.1-7.1	Survey Easting	553,768.8800
Well Diameter (in)	0.5	North (decimal degrees)	28.56846917
Well Material	PVC SCH 40	East (decimal degrees)	-81.31901471
Completion Type:	Stickup	TOC Elevation	95.48

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	missing	Replace Well Pad	Yes
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	damaged, 4 inch locking cap	Replace Well Cover	Yes
Well Cap	missing	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	damaged	Replace Protective Casing	See Comment

WELL PHOTOGRAPH

COMMENTS

protective casing needsto be anchored

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-17R / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	9:41
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	13.00	Survey Northing	1,539,379.2700
Screen Interval (ft)	5-10	Survey Easting	553,895.5900
Well Diameter (in)	2	North (decimal degrees)	28.56808121
Well Material	PVC SCH 40	East (decimal degrees)	-81.31862001
Completion Type:	Stickup	TOC Elevation	97.17

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	missing	Replace Well Pad	Yes
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-18 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	10:10
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	30.00	Survey Northing	1,539,392.9700
Screen Interval (ft)	23.64-29.64	Survey Easting	553,790.7200
Well Diameter (in)	0.5	North (decimal degrees)	28.56811722
Well Material	PVC SCH 40	East (decimal degrees)	-81.31894558
Completion Type:	Flush Mount	TOC Elevation	93.42

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-19B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	10:08
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	31.00	Survey Northing	1,539,393.2620
Screen Interval (ft)	20.5-31.0	Survey Easting	553,795.5831
Well Diameter (in)	2	North (decimal degrees)	28.56811849
Well Material	PVC SCH 40	East (decimal degrees)	-81.31893032
Completion Type:	Flush Mount	TOC Elevation	94.42

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-20R / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	11:24
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.00	Survey Northing	1,539,418.7800
Screen Interval (ft)	2-12	Survey Easting	553,743.8700
Well Diameter (in)	2	North (decimal degrees)	28.56818807
Well Material	PVC SCH 40	East (decimal degrees)	-81.31909184
Completion Type:	Flush Mount	TOC Elevation	92.52

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

Fire ants in well vault

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-21 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	17:36
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	13.00	Survey Northing	1,539,456.3400
Screen Interval (ft)	8-13.0	Survey Easting	553,789.2200
Well Diameter (in)	1	North (decimal degrees)	28.56829202
Well Material	PVC SCH 40	East (decimal degrees)	-81.31895089
Completion Type:	Flush Mount	TOC Elevation	92.96

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

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TERRAINE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-22 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	17:33
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	13.00	Survey Northing	1,539,451.4800
Screen Interval (ft)	8-13.0	Survey Easting	553,793.2800
Well Diameter (in)	2	North (decimal degrees)	28.56827861
Well Material	PVC SCH 40	East (decimal degrees)	-81.31893835
Completion Type:	Flush Mount	TOC Elevation	92.99

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen,properly attached,standard t	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-23R / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	17:32
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.00	Survey Northing	1,539,446.9300
Screen Interval (ft)	2-12	Survey Easting	553,798.4600
Well Diameter (in)	2	North (decimal degrees)	28.5682659
Well Material	PVC SCH 40	East (decimal degrees)	-81.31892161
Completion Type:	Flush Mount	TOC Elevation	93.03

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-24 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/19/2007
Site Name	Operable Unit 3	**Inspection Time**	11:11
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	13.00	Survey Northing	1,539,467.4500
Screen Interval (ft)	8-13.0	Survey Easting	553,838.7500
Well Diameter (in)	1	North (decimal degrees)	28.5683228
Well Material	PVC SCH 40	East (decimal degrees)	-81.31879681
Completion Type:	Flush Mount	TOC Elevation	92.81

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen,properly attached,standard t	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-25 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	17:15
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	31.00	Survey Northing	1,539,466.9500
Screen Interval (ft)	26-31	Survey Easting	553,844.1000
Well Diameter (in)	1	North (decimal degrees)	28.56832161
Well Material	PVC SCH 40	East (decimal degrees)	-81.31878025
Completion Type:	Flush Mount	TOC Elevation	93.26

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-26 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	17:13
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	13.00	Survey Northing	1,539,461.8400
Screen Interval (ft)	8-13.0	Survey Easting	553,838.5800
Well Diameter (in)	2	North (decimal degrees)	28.56830758
Well Material	PVC SCH 40	East (decimal degrees)	-81.31879698
Completion Type:	Flush Mount	TOC Elevation	92.93

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good,partially buried pad	Replace Well Pad	No
Well Tag	not attached,paint pen,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-27 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	17:06
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	31.00	Survey Northing	1,539,455.7400
Screen Interval (ft)	26-31	Survey Easting	553,844.8100
Well Diameter (in)	1	North (decimal degrees)	28.5682909
Well Material	PVC SCH 40	East (decimal degrees)	-81.3187777
Completion Type:	Flush Mount	TOC Elevation	93.06

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	partially buried pad	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-28 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	17:08
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	13.00	Survey Northing	1,539,456.5300
Screen Interval (ft)	8-13.0	Survey Easting	553,838.0700
Well Diameter (in)	1	North (decimal degrees)	28.56829232
Well Material	PVC SCH 40	East (decimal degrees)	-81.31879817
Completion Type:	Flush Mount	TOC Elevation	92.99

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good,partially buried pad	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-29 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	9:55
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.00	Survey Northing	1,539,447.9300
Screen Interval (ft)	7-12.0	Survey Easting	553,896.3800
Well Diameter (in)	1	North (decimal degrees)	28.56826935
Well Material	PVC SCH 40	East (decimal degrees)	-81.31861668
Completion Type:	Flush Mount	TOC Elevation	93.31

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-09-30 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/11/2007
Site Name	Operable Unit 3	**Inspection Time**	9:50
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.00	Survey Northing	1,539,432.9700
Screen Interval (ft)	7-12.0	Survey Easting	553,911.5900
Well Diameter (in)	1	North (decimal degrees)	28.56822835
Well Material	PVC SCH 40	East (decimal degrees)	-81.31856933
Completion Type:	Flush Mount	TOC Elevation	92.97

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good,partially buried pad	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

Boring Logs

Project: BRAC NTC, Group II, Site Screening	**Well ID:** OLD-12-01		**Boring ID:** 12B001
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538540.37	**Easting:** 545087.55	**Date started:** 02/27/95	**Completd:** 02/27/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 5-15 ft. bls	**Protection level:** D
TOC elev.: 110.97 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 16Ft.	**Dpth to** ∇ 8 * Ft.
ABB Rep.: W. Olson	**Well development date:** 02/27/95		**Site:** Study Area 12

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				0	LIMESTONE SUBGRADE		GP	posthole	
	12B00101		ph		QUARTZ SAND: Gray to white mottled, slightly silty.		SP		
				0				posthole	
			ph						
				0				1,1,2,2	
5			80%		QUARTZ SAND: Brown, medium-grained, silty, damp.				
	12B00102			5				5,2,7,8	
			70%						
				0	SILTY QUARTZ SAND: Brown, saturated.		SM	2,3,4,5	
			90%						
10				0				2,2,4,8	
			90%						
				0				1,1,1,1	
			90%		SILTY QUARTZ SAND: Black to Brown, fine-grained, phosphate clasts, wet, non plastic.				
				0	QUARTZ SAND: Gray, medium-grained, some limestone concretions.		SP	5,14,14,22	
15			80%						
					SILT: Brown, some sand, stiff.		ML		
					* = approximate depth				
20									

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group II, Site Screening		**Well ID:** OLD-12-02	**Boring ID:** 12B002
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538458.18	**Easting:** 545142.02	**Date started:** 02/27/95	**Completd:** 02/27/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 5-15 ft. bls	**Protection level:** D
TOC elev.: 112.80 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 18Ft.	**Dpth to** ∇ 8 * Ft.
ABB Rep.: W. Olson	**Well development date:** 02/27/95		**Site:** Study Area 12

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				0	LIMESTONE SUBGRADE		GP	posthole	
	12B00201		ph		QUARTZ SAND: Off-white, fine-to medium-grained, sub-rounded, dry, loose, non plastic.		SP		
			ph	0				posthole	
				1				2,1,2,3	
5			80%						
	12B00202			1	SILTY QUARTZ SAND: Dark brown, fine-to medium-grained, sub-rounded, damp, non plastic.		SM	8,8,7,8	
			100%						
				0				1,2,3,3	
			80%						
10				0				2,2,4,4	
			80%						
				0				1,1,2,5	
			90%						
				10				2,2,3,3	
15			80%						
					* = approximate depth				
20									

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group II, Site Screening		**Well ID:** OLD-12-03	**Boring ID:** 12B003
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538374.17	**Easting:** 545155.13	**Date started:** 02/28/95	**Completd:** 02/28/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 5-15 ft. bls	**Protection level:** D
TOC elev.: 113.34 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 18Ft.	**Dpth to** ∇ 8 * Ft.
ABB Rep.: W. Olson	**Well development date:** 02/28/95		**Site:** Study Area 12

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				0	LIMESTONE SUBGRADE		GP	posthole	
	12B00301		ph		SILTY QUARTZ SAND: Dark gray.		SM		
					QUARTZ SAND: Off-white, fine-to medium-grained, sub-rounded, dry, non plastic.		SP		
				0				posthole	
			ph						
				0				1,2,1,2	
5			70%		QUARTZ SAND: Tan, fine-to medium-grained, damp, upper 3" mottled.				
	12B00302			0				1,2,2,2	
			80%						
				0				1,2,2,2	
			60%		SILTY QUARTZ SAND: Brown, non plastic, wet.		SM		
10				0				2,2,2,4	
			70%						
				0				1,2,1,2	
			70%						
				0				8,16,22,34	
15			90%		SANDY SILT: Dark brown, stiff, moist, slightly plastic.		ML		
					* = approximate depth				
20									

Project: BRAC NTC, Group II, Site Screening	**Well ID:** OLD-12-04		**Boring ID:** 12B004
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538338.87	**Easting:** 544863.50	**Date started:** 02/25/95	**Completd:** 02/25/95
Method: 6.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 5-15 ft. bls	**Protection level:** D
TOC elev.: 112.47 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 18Ft.	**Dpth to** ∇ 8 * Ft.
ABB Rep.: W. Olson	**Well development date:** 02/25/95		**Site:** Study Area 12

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
	12B00401		ph	0	LIMESTONE SUBGRADE		GP	posthole	
					SILTY QUARTZ SAND: Gray.		SM		
				0				posthole	
			ph						
				0				2,2,3,4	
5			80%		QUARTZ SAND: Off-white, fine-to medium-grained, some silt, moist, non plastic.		SP		
	12B00402			0				3,4,3,5	
			90%						
				2	SILTY QUARTZ SAND: Brown, fine-grained, saturated.		SM	1,1,1,1	
			80%						
10				0				1,1,1,1	
			80%						
				0				3,8,14,15	
			80%		SANDY SILT: Brown, fine-grained, stiff, slightly plastic.		ML		
				0				1,6,5,13	
15			50%						
					* = approximate depth				
20									

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group II, Site Screening		**Well ID:** OLD-13-01	**Boring ID:** 13B001
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538909.45	**Easting:** 545030.16	**Date started:** 02/28/95	**Completd:** 02/28/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 5-15 ft. bls	**Protection level:** D
TOC elev.: 110.22 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 18Ft.	**Dpth to** ∇ 8 * Ft.
ABB Rep.: W. Olson	**Well development date:** 02/28/95		**Site:** Study Area 13

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
			ph	0	LIMESTONE SUBGRADE		GP	posthole	
			ph	5	SILTY QUARTZ SAND: Gray.		SM	posthole	
5	13B00101		90%	0	QUARTZ SAND: Tan, fine-to medium-grained, some silt, dry, non plastic, sub-rounded.		SP	2,3,4,4	
			80%	1				2,4,4,4	
			50%	0				1,1,1,2	
10			80%	0				n/a	
			90%	0				2,2,4,7	
15			90%	0	SILTY QUARTZ SAND: Dark gray to brown, fine-to medium-grained, sub-rounded, wet.		SM	3,3,6,8	
20					* = approximate depth				

Project: BRAC NTC, Group I, Site Screening		**Well ID:** OLD-13-02	**Boring ID:** 13B002
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538814.83	**Easting:** 545028.80	**Date started:** 03/28/95	**Completd:** 03/28/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 57-82 ft.bls	**Protection level:** D
TOC elev.: 109.90 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 84Ft.	**Dpth to** ∇ 4 ∗ Ft.
ABB Rep.: W. Olson	**Well development date:** 03/28/95		**Site:** Study Area 13

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
			ph	0	LIMESTONE SUBGRADE		GP	posthole	
					SILTY QUARTZ SAND: Gray.		SM		
			ph	0				posthole	
					QUARTZ SAND: Light tan, fine-to medium-grained, slightly silty, non plastic, damp, wet @ 4'bls.		SP		
				0				2,2,5,3	
5			50%						
				0				2,2,2,2	
			80%		QUARTZ SAND: Brown, medium-grained, sub-rounded, trace silt, wet.				
				0				1,2,3,5	
			70%						
10				1				3,4,4,12	
			80%						
				0	QUARTZ SAND: Dark brown to gray, fine-to medium-grained, rounded, some silt, wet.			3,3,4,8	
			70%						
				0				3,9,10,12	
15			80%						
				0				1,5,5,9	
			90%		SILTY QUARTZ SAND: Dark brown, fine-to medium-grained, some levels up to 50% silt.		SM		
				0				11,19,30,42	
			50%						
20				0	QUARTZ SAND: Gray, medium-grained, grades to silty sand below.		SP	8,13,20,23	
			80%						
				0	SILTY QUARTZ SAND: Dark brown, fine-to medium-grained.		SM	22,17,17,17	
			70%						
				0	QUARTZ SAND: Tan to brown, fine-to medium-grained, some silt, sub-rounded, some black clasts, non plastic, wet, less silty 30'-32' bls, darker tan @ 45'bls.		SP	4,4,8,6	
25			80%						
				0				3,8,8,9	
			80%						
				0				3,10,7,7	
			80%						
30				0				3,8,7,9	
			80%						
				0				8,6,18,16	
			70%						
				0				3,4,5,8	
			80%						
35									

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group I, Site Screening	**Well ID:** OLD-13-02		**Boring ID:** 13B002
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538814.83	**Easting:** 545028.80	**Date started:** 03/28/95	**Compltd:** 03/28/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 57-82 ft.bls	**Protection level:** D
TOC elev.: 109.80 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 84Ft.	**Dpth to** ⊽ 4 * Ft.
ABB Rep.: W. Olson	**Well development date:** 03/28/95		**Site:** Study Area 13

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
					Continued from PAGE 1				
			80%	0			SP	5,10,11,17	
			70%	0				8,7,7,8	
			90%	0				1,4,10,30	
40			40%	nr				1,1,2,2	
			nr	0				2,2,3,5	
			90%	0				2,2,4,5	
45			80%	0				2,2,3,2	
			90%	0				4,4,4,4	
			90%	0				5,6,5,9	
50			90%	0	SILTY QUARTZ SAND: Greenish-gray, fine-to medium-grained, black opalescent grains common, some phosphate gravel, less silty 54'-56' bls.		SM	3,4,4,7	
			40%	0				3,4,8,10	
55			50%	0				8,5,14,18	
			30%	0				3,4,3,5	
60			90%	0	QUARTZ SAND: Light green, fine-grained, some brown clay lenses, becoming darker @ 83.5'bls.		SP	1,2,1,1	
			80%		CLAY: Light green, slightly silty, highly plastic, trace sand, some mottling.		CH		
65					* = approximate depth.				
70									

Project: BRAC NTC, Group I, Site Screening		**Well ID:** OLD-13-03	**Boring ID:** 13B003
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538850.59	**Easting:** 545158.64	**Date started:** 04/03/95	**Completd:** 04/03/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 4-14 ft.bls	**Protection level:** D
TOC elev.: 111.88 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 15Ft.	**Dpth to** ∇ 8 * Ft.
ABB Rep.: W. Olson	**Well development date:** 04/03/95		**Site:** Study Area 13

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				0	LIMESTONE SUBGRADE		GP	posthole	
			ph		SILTY QUARTZ SAND: Gray, fine-grained, dry, non plastic.		SM		
				0	QUARTZ SAND: Tan, fine-to medium-grained, well rounded, becomes wet @ 8'bls.		SP	posthole	
			ph						
				0				3,2,5,2	
5			80%						
				0				1,2,4,3	
			90%						
				0				1,2,1,1	
			50%						
10				0	SILTY QUARTZ SAND: Tan to gray, fine-to medium-grained, well rounded, loose, wet.		SM	2,2,3,4	
			90%						
				0	QUARTZ SAND: Gray to black, fine-to medium-grained, well rounded, some silt, non plastic, siltier @ 17.5'bls.		SP	2,3,8,10	
			90%						
				0				7,11,15,17	
15			90%		* = approximate depth.				
20									

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group I, Site Screening		**Well ID:** OLD-13-04	**Boring ID:** 13B004
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538850.18	**Easting:** 545164.43	**Date started:** 03/31/95	**Compltd:** 03/31/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 59-84 ft.bls	**Protection level:** D
TOC elev.: 111.83 Ft.	**Type of OVM:** Porta FID	**Total dpth:** 88Ft.	**Dpth to** ∇ 8 ✱ Ft.
ABB Rep.: W. Olson	**Well development date:** 03/31/95		**Site:** Study Area 13

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				0	LIMESTONE SUBGRADE		GP	posthole	
			ph		SILTY QUARTZ SAND: Gray, fine-grained, dry, non plastic.		SM		
				0			SP	posthole	
			ph		QUARTZ SAND: Tan, fine-to medium-grained, well rounded, becomes wet @ 8'bls.				
				0				3,2,5,2	
5			80%						
	13B00401			0				1,2,4,3	
			90%						
				0				1,2,1,1	
			50%						
10				0	SILTY QUARTZ SAND: Tan to gray, fine-to medium-grained, well rounded, loose, wet.		SM	2,2,3,4	
			90%						
				0	QUARTZ SAND: Gray to black, fine-to medium-grained, well rounded, some silt, non plastic, siltier @ 17.5'bls.		SP	2,3,8,10	
			90%						
				0				7,11,15,17	
15			90%						
				0				8,1,3,7	
			90%						
				0				3,3,6,5	
			90%						
20				0				2,2,4,4	
			90%						
				0				8,15,37,20	
			100%						
				0	SANDY SILT: Reddish-brown, stiff, slightly plastic.		ML	6,6,10,13	
25			90%		QUARTZ SAND: Gray, fine-to medium-grained, some silt, some white coarse sand nodules.		SP		
				0	SILTY QUARTZ SAND: Tan to brown, slightly plastic, contact sharp.			6,6,7,13	
			100%						
				0				3,3,3,8	
			100%						
30				0	QUARTZ SAND: Gray to tan, fine-to medium-grained, slightly silty, some coarse grains, well rounded, varies in color from brown to off-white to tan from 32' to 48'bls.			4,4,6,8	
			100%						
				0				3,2,5,7	
			90%						
				0				4,7,9,12	
35			100%						

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group I, Site Screening	**Well ID:** OLD-13-04		**Boring ID:** 13B004
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538850.18	**Easting:** 545184.43	**Date started:** 03/31/95	**Completd:** 03/31/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 59-84 ft.bls	**Protection level:** D
TOC elev.: 111.83 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 88Ft.	**Dpth to** ∇ 8 * Ft.
ABB Rep.: W. Olson	**Well development date:** 03/31/95		**Site:** Study Area 13

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
					Continued from PAGE 1				
			100%	0			SP	5,8,8,14	
			90%	0				6,6,5,11	
			90%	0				5,8,10,15	
40			100%	0				5,6,8,9	
			100%	0				4,5,10,13	
			90%	0				4,5,7,8	
45			100%	0	QUARTZ SAND: Gray to white, fine-to medium-grained, silty, loose, some black clasts.			3,4,6,8	
			90%	0				3,5,7,9	
50			85%	0	QUARTZ SAND: Reddish-brown, fine-to medium-grained, some coarse grains, rounded, loose, some black clasts.			3,6,5,7	
			100%	0	QUARTZ SAND: Tannish-gray to greenish-gray, fine-to medium-grained, well rounded, well sorted, many black clasts, trace phosphate nodules, poorly sorted.			3,3,5,8	
55			100%	0				3,4,7,12	
			80%	0				5,7,8,12	
			90%	0				3,5,7,11	
60			100%	0				6,7,8,9	
			10%	0				5,3,3,8	
65					CLAY: Greenish-gray, plastic, slightly silty, slightly sandy.		CH		
					* = approximate depth.				
70									

Project: BRAC NTC, Group II, Site Screening		**Well ID:** OLD-13-05	**Boring ID:** 13B005
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1536555.29	**Easting:** 544921.84	**Date started:** 02/28/95	**Completd:** 02/28/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 5-15 ft. bls	**Protection level:** D
TOC elev.: 110.20 Ft.	**Type of OVM.:** Porta FID	**Total depth:** 18Ft.	**Dpth to** ∇ 8 * Ft.
ABB Rep.: W. Olson	**Well development date:** 02/28/95		**Site:** Study Area 13

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
	13B00501		ph	0	LIMESTONE SUBGRADE		GP	posthole	
			ph	0	SILTY QUARTZ SAND: Gray to brown.		SM	posthole	
				0				2,2,3,4	
5			80%		QUARTZ SAND: White, fine-grained, sharp contact.		SP		
			50%	0	SILTY QUARTZ SAND: Brown, medium-grained, sub-rounded, some organics (woody material)		SM	5,8,10,9	
			90%	0	SILTY QUARTZ SAND: Brown, stiff, wet, rotten egg odor.			1,3,2,5	
10			90%	0				2,2,2,4	
			80%	0				2,2,2,18	
			50%	0				2,5,8,15	
15					* = approximate depth				
20									

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group I, Site Screening	**Well ID:** OLD-13-08		**Boring ID:** 13B008
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538555.58	**Easting:** 544918.83	**Date started:** 03/29/95	**Completd:** 03/29/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 52-57 ft.bls	**Protection level:** D
TOC elev.: 109.98 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 58Ft.	**Dpth to** ∇ 8 * Ft.
ABB Rep.: W. Olson	**Well development date:** 03/29/95		**Site:** Study Area 13

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				0	LIMESTONE SUBGRADE		GP	posthole	
			ph		QUARTZ SAND: Light gray, fine-grained, loose, dry.		SP		
				0	SILTY QUARTZ SAND: Reddish-brown, fine-to medium-grained, damp, non plastic.		SM	posthole	
			ph						
				0				4,4,5,3	
5			80%						
				0				4,5,5,6	
			100%						
				0	SILTY QUARTZ SAND: Dark brown, wet, saturated @ 8'bls.			1,1,1,3	
			50%						
10				0				4,4,4,8	
			90%						
				0				1,2,3,7	
			80%						
				0	SANDY SILT: Brown, fine-to medium-grained, well rounded, wet, cohesive sandy horizon 13.5' to 14'bls.		ML	5,34,50+	
15			50%						
				0				4,9,8,11	
			90%						
				0	QUARTZ SAND: Grayish-brown, some silt, fine-to medium-grained, some frosted quartz grains, some black staining, wet, non plastic.		SP	10,10,21,28	
			90%						
20				0	SILT: Light brown, sandy, some coarse grains, cohesive.		ML	1,1,5,7	
							SP		
			70%						
				0	QUARTZ SAND: Light gray, fine-to medium-grained, slightly silty.			7,18,25,30	
			80%						
				0	QUARTZ SAND: Reddish-brown, fine-to coarse-grained, well sorted, well rounded, some frosted quartz and black grains from 24' to 25.5'bls, sharp change back to reddish-brown, some silty horizons 34' to 38'bls, silty clay lens 37' to 37.5'bls, massive silt and clay lens @ 41.5' bls.			5,13,20,25	
25			100%						
				nr				3,11,23,30	
			nr						
				0				2,4,7,11	
			90%						
30				0				7,10,14,18	

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group I, Site Screening	**Well ID:** OLD-13-08		**Boring ID:** 13B008
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538555.58	**Easting:** 544918.83	**Date started:** 03/29/95	**Completd:** 03/29/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 52-57 ft.bls	**Protection level:** D
TOC elev.: 109.88 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 58Ft.	**Dpth to** ∇ 8 * Ft.
ABB Rep.: W. Olson	**Well development date:** 03/29/95		**Site:** Study Area 13

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
					Continued from PAGE 1				
			80%	0			SP	3,4,7,8	
			90%	0				3,6,8,12	
35			80%	0				7,7,10,7	
			90%	0				7,14,18,19	
			90%	0				4,7,8,8	
40			80%	0				5,11,17,20	
			90%	0				4,4,5,11	
			90%	0				8,13,22,28	
45			90%	0	SILTY QUARTZ SAND: Greenish-gray, fine-to medium-grained, well rounded, non plastic, varies to tan, thin horizon of black grains @ 47'bls.		SM	4,5,7,10	
			90%	0				3,5,10,18	
50			90%	0				4,10,14,22	
			90%	0				4,8,13,10	
			90%	0				1,2,1,1	
55			100%		CLAY: Greenish-gray, slightly sandy, plastic.		CH		
60					* = approximate depth.				

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group I, Site Screening		**Well ID:** OLD-13-07	**Boring ID:** 13B007
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538854.83	**Easting:** 544842.57	**Date started:** 04/03/95	**Completd:** 04/03/95
Method: 6.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 3.5-18.5 ft.bls	**Protection level:** D
TOC elev.: 108.71 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 19Ft.	**Dpth to** ∇ 4 * Ft.
ABB Rep.: W. Olson	**Well development date:** 04/03/95		**Site:** Study Area 13

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				2	LIMESTONE SUBGRADE		GP	posthole	
			ph		SILTY QUARTZ SAND: Gray, fine-grained, dry.		SP		
					SILTY QUARTZ SAND: Dark brown, fine-to medium-grained, non plastic, moist.		SM		
				2				posthole	
			ph						
				0	QUARTZ SAND: Tan to brown, fine-to medium-grained, slightly silty, moist to wet.		SP	3,3,4,4	
5			100%						
				0				1,2,2,3	
			100%						
							SM		
				0				woh,1,1	
			80%		SILTY QUARTZ SAND: Dark brown, fine-to medium-grained, well rounded, some shell material, saturated, some roots, siltier with depth.				
10				0				2,3,5,8	
			90%						
				0				3,4,6,8	
			90%						
				0				6,2,6,5	
15			90%						
	13B00701			8				3,2,7,11	
			100%						
				1	SILTY QUARTZ SAND: Very dark brown, fine-to medium-grained, sharp contacts above, sand interbeds @ 14' and 18'bls.			4,14,19,19	
			90%		* = approximate depth.				
20									

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group I, Site Screening		**Well ID:** OLD-13-08	**Boring ID:** 13B008
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1536854.58	**Easting:** 544832.75	**Date started:** 03/30/95	**Completd:** 03/30/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 57-62 ft.bls	**Protection level:** D
TOC elev.: 108.87 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 64Ft.	**Dpth to** ⊽ 4 * Ft.
ABB Rep.: W. Olson	**Well development date:** 03/30/95		**Site:** Study Area 13

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				2	LIMESTONE SUBGRADE		GP	posthole	
			ph		SILTY QUARTZ SAND: Gray, fine-grained, dry.		SP		
				2	SILTY QUARTZ SAND: Dark brown, fine-to medium-grained, non plastic, moist.		SM	posthole	
			ph						
	13B00801			0	QUARTZ SAND: Tan to brown, fine-to medium-grained, slightly silty, moist to wet.		SP	3,3,4,4	
5			100%						
				0				1,2,2,3	
			100%				SM		
				0				woh,1,1	
			80%		SILTY QUARTZ SAND: Dark brown, fine-to medium-grained, well rounded, some shell material, saturated, some roots, siltier with depth.				
10				0				2,3,5,8	
			90%						
				0				3,4,6,8	
			90%						
				0				6,2,6,5	
15			90%						
				8				3,2,7,11	
			100%						
				1	SILTY QUARTZ SAND: Very dark brown, fine-to medium-grained, sharp contacts above, sand interbeds @ 14' and 18'bls.			4,14,18,19	
			90%				ML		
20				0			SP	3,7,11,15	
			90%		SANDY SILT: Light brown to gray, fine-grained, slightly plastic, wet.				
				0	QUARTZ SAND: Gray to reddish-brown, fine-to medium-grained.			8,18,26,30	
			100%						
				0				3,3,1,2	
25			90%						
				0				2,4,4,6	
			100%		QUARTZ SAND: Reddish-brown, fine-to medium-grained, some silt, some black clasts, some silty horizons 36' to 37'bls.				
				0				8,7,8,9	
			100%						
30				0				8,13,14,15	
			100%						
				0				6,3,8,6	
			50%						
				0				7,8,15,14	
35			100%						

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group I, Site Screening		**Well ID:** OLD-13-08	**Boring ID:** 13B008
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538854.58	**Easting:** 544832.75	**Date started:** 03/30/95	**Compltd:** 03/30/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 57-82 ft.bls	**Protection level:** D
TOC elev.: 108.87 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 84Ft.	**Dpth to** ∇ 4 * Ft.
ABB Rep.: W. Olson	**Well development date:** 03/30/95		**Site:** Study Area 13

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
					Continued from PAGE 1				
			100%	0			SP	4,6,10,8	
			100%	0				18,13,18,27	
			90%	0				4,5,9,14	
40			100%	0				2,10,22,27	
			100%	0				2,3,9,13	
45			100%	0				8,8,6,21	
			100%	0	SILTY QUARTZ SAND: Greenish-gray, fine-to medium-grained, sub-rounded to well rounded, some black grains, some fine gravel-sized clay clasts.		SM	3,4,5,8	
50			100%	0				4,10,13,20	
			100%	0				3,6,13,12	
			90%	0				8,13,17,52	
55			90%	0				5,7,11,12	
			100%	0				5,11,21,23	
			90%	0				5,6,5,5	
60			80%	0				3,6,11,9	
	13B00802		90%		SILTY CLAY: Greenish-gray, slightly plastic.		CL		
65					* = approximate depth.				
70									

SOIL BORING LOG

Client: SOUTH NAVFAC ENG COM	Project No. 8519.70		Point of Interest: OLD-13-11
			Boring No.:
			Protection: D
Contractor: Alliance Envir. Inc	Date Started: 5/17/96		Completed: 6/2/96
Method: Mud Rotary	Casing Size: 8 in.		PI Meter: Porta FID
Ground Elev.:	Soil Drilled:		Total Depth: 64 ft.
Logged by: John Nash	Checked by:		▽ Below Ground: ~2 ft
Screen: 5 (ft.)	Riser: 57 (ft.)	Diam: 2 in. (ID)	Material: Stainless Steel
			Page 1 of: 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CL/SCREENING	RECOVERY %	FID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
						Quartz Sand: Gray-Black, fine grained, well sorted	SP				
				25	Ø			2 2			
5				35	Ø	- Color change - Dark Brown					
				50	Ø						
				40	2	- Some silt		2 3			
10				75	2			2 2			
				100	2	Quartz Sand: Brown, fine grained, med. sorted		3 10			
15				75	3			15 50			
				50	1	- Begining at 13.5' bls layer is very dense. 16-21' bls stringers of black cemented sand		5			
				30	3			5			
20				40	1	- Trace coarse qtz grains		4 4			
				40	Ø	Quartz Sand: Brown, fine, well sorted, little silt		6 10			
25				50	Ø	- Color change - Reddish Brown		4 6			
				75	Ø			10 10			
				60	Ø			4 4			
30				70	Ø			5 6			
				80	Ø			4 10			
35				70	Ø			14 15			
40								4 6			
								9 12			
45				50	Ø	Color change - gray w/greenish tint		7 7			
								12 18			
50				65	Ø			14 16			
								18 18			

PROPORTIONS	(-) AMOUNT (+)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

SOIL BORING LOG

			Point of Interest: OLD-13-11
			Boring No.:
Client: SOUTHNAVFAC ENG. COM	Project No. 8519.70		Protection: D
Contractor: Alliance Envir. Inc.	Date Started: 5/17/96		Completed: 6/2/96
Method: Mud Rotary	Casing Size: 8 in		PI Meter: Porta FID
Ground Elev.:	Soil Drilled:		Total Depth: 64 ft
Logged by: John Nash	Checked by:		▽ Below Ground: ~2 ft.
Screen: 5 (ft.)	Riser: 57 (ft.)	Diam: 2 in (ID)	Material: Stainless Steel

Page 2 of: 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CL/PS/SCREENING	RECOVERY %	FID HNU (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
55				55	Ø			5 1 1 0 1 14 1 3 2 1			
60				45	Ø	SILTY QUARTZ SAND: Greenish-Gray, fine, little Clay, slightly plastic	ML	4 1 1 5 1 15 2 2 0 1			
				95	Ø			5 1 7 1 9 1 9 1			
65				100	Ø			4 1 4 1 7 1 8 1			

PROPORTIONS	(-) AMOUNT (-)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

SOIL BORING LOG

			Point of Interest: OLD-13-14
			Boring No.:
Client: SOUTH NAVFACENGCOM	Project No. 85,9,70		Protection: D
Contractor: Alliance Envir. Inc	Date Started: 5/29/96		Completed: 6/4/96
Method: Mud. Rotary	Casing Size: 8 in.		PI Meter: Porta FID
Ground Elev.:	Soil Drilled:		Total Depth: 64 ft
Logged by: John Nosh	Checked by:		▽ Below Ground: ~2.5 ft
Screen: 5 (ft.)	Riser: 57 (ft.)	Diam: 2 in. (ID)	Material: Stainless Steel
			Page 1 of: 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY %	FID BZ (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
				35	Ø	Quartz Sand: Dark Gray, fine grained, well sorted, trace silt	SP	2 2 2			
5				30	Ø	- Color change - Brown		1 3 1			
				30	Ø			2 2 2			
				30	Ø			2 2 2			
10				30	Ø	- Color change - Dark Gray - Brown		2 3 2			
				35	Ø			1 1 1			
				55	Ø	- Color change - Dark Brown Little silt		1 1 2			
15				60	Ø	Quartz Sand: Brown, fine grained, little coarse grains, dry, dense		2 2 1			
				65	Ø	- Little silt, nodules of cemented sand		2 1 1			
				75	Ø			5 5 1			
20				50	Ø	- Color change - Black, some silt		2 5 1			
						Quartz Sand: Brown, fine, well sorted		2 8 1			
								12 12 24			
								28 50 (50/4")			
								22 24 1			
								30 36 1			
								10 10 1			
								12 11 1			
25				40	Ø	- Color change - Reddish Brown		4 9 1			
								9 9 1			
30				50	Ø			3 4 1			
								8 10 1			
35				25	Ø			3 5 1			
								7 10 1			
40				95	Ø	- less reddish		3 5 1			
								6 6 1			
45				25	Ø	- Color change - gray with greenish tint		4 12 1			
								12 10 1			
				50	Ø	- Little silt		6 8 1			
50								12 12 1			

PROPORTIONS	(-) AMOUNT (+)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

SOIL BORING LOG

		Point of Interest:	OLD-13-14
		Boring No.:	
Client: SOUTHNAVFAC ENGCOM	Project No. 5519.70	Protection:	D
Contractor: Alliance Envir. Inc	Date Started: 5/29/96	Completed:	6/4/96
Method: Mud Rotary	Casing Size: 8 in.	PI Meter:	PorTa FID
Ground Elev.:	Soil Drilled:	Total Depth:	64 ft.
Logged by: John Nash	Checked by:	▽ Below Ground:	~ 2.5 ft
Screen: 5 (ft.) Riser: 57 (ft.)	Diam: 2 in (ID) Material: Stainless Steel	Page 2 of: 2	

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY %	FID BZ (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
							SP				
55				40	Ø			5 6 / 8 15			
60				40	Ø			7 8 / 12 14			
				100	Ø	SILTY QUARTZ SAND: Greenish-gray, fine, little clay, slightly plastic	ML	6 7 / 8 10			
65				100	Ø	SANDY SILTY CLAY: Greenish-gray, medium plasticity.	CL	2 3 / 3 4			

PROPORTIONS	(-) AMOUNT (+)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.		WELL NO.: OLD-13-21B
JOB NO.: T7027.12	SITE: OU-4, Orlando, FL	COORDINATES: 1536808.445N, 544756.785E	
BEGUN: 11/14/97	COMPLETED: 11/14/97	PREPARED BY: R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS: Top of PVC 108.67

GENERALIZED GEOLOGIC LOG

0-16 ft, Sand (SP)
Olive black (5Y 2/1), very fine to fine grained, loose, wet at 2 ft bls, little silt.

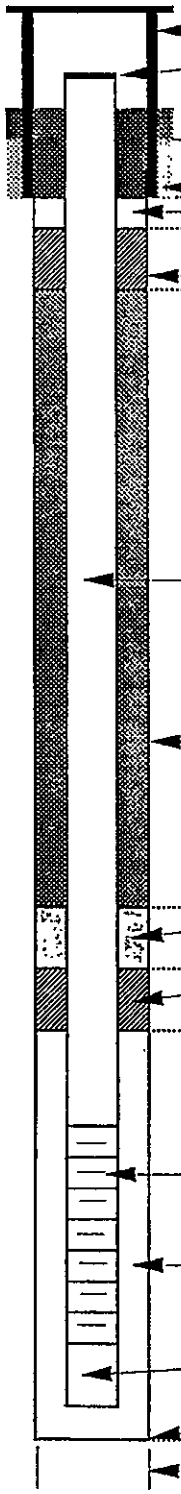
16 - 22 ft, Sand (SP)
Dark yellowish brn (10YR 4/2) to dusky yellowish brn (10YR 2/2), fine grained, dense, slightly cemented, rounded, tr silt, clear quartz grains.

Blows at 17-18 ft bls 50/4

22 - 27 ft, Sand (SP)
Grayish brn (5YR 3/2), v. fine to med. grained, loose, rounded, clear quartz grains, trace silt

27 - 33 ft, Sand (SW)
Moderate yellowish brown (10YR 5/4), fine to very coarse grained, loose, rounded, clear quartz grains, trace silt, slightly cemented with nodules.

Blows at 29-30 ft bsl 1/1/0/2



	DEPTH	ELEV.
4-in Protective Casing with Cover and Lock		
2-in Sch. 40 PVC Riser with end plug	2.0	108.67
	0.5	106.69
2X2 ft Concrete pad	0.0	106.19
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	105.19
#00N Morie Sandbridge (1.0 - 1.5 ft bls)	1.5	104.69
1/4 in bentonite tablets (1.5 - 2.5 ft bls)	2.5	103.69
2-inch Sch. 40 PVC Riser Casing		
Cement/Bentonite Grout (2.5-22.0 ft bls)		
	22.0	84.19
#00N Morie Sandbridge (22.0-23.0 ft bls)		
	23.0	83.19
3/8 in bentonite tablets (23.0 -25.0 ft bls)		
	25.0	81.19
2-inch Sch. 40 PVC 10 slot Slotted Screen (27.0-32.0 ft bls)		
#1 Morie Filterpack (25.0-33.0 ft bls)		
	32.0	74.19
2 in Sch. 40 Sump (32.0-32.5 ft bls)		
	32.5	73.69
Bottom of Borehole (33.0 ft bls)	33.0	73.19
Bore hole DIA: 8 inch		

Not to Scale

AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.	WELL NO.: OLD-13-22B

JOB NO.	SITE	COORDINATES
T7027.12	OU-4, Orlando, FL	1536809.983N, 544689.099E

BEGUN	COMPLETED	PREPARED BY	REFERENCE POINT FOR MEASUREMENTS
11/21/97	11/21/97	R.J. Desrosiers	Top of PVC 107.05

GENERALIZED GEOLOGIC LOG

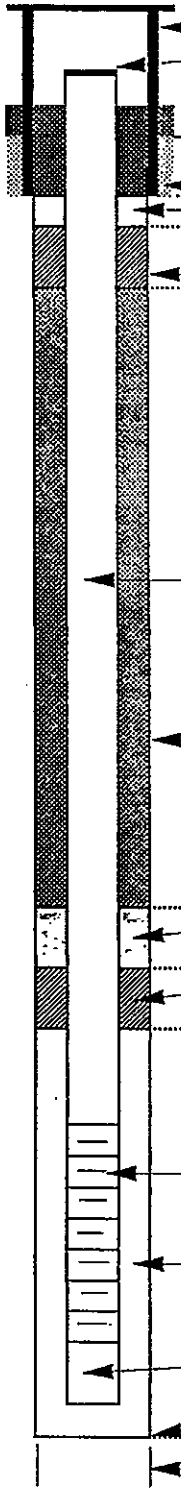
0-15 ft, Sand (SP)
Brownish black (5YR 2/1), v. fine to fine grained, loose, tr. silt, clear quartz grains, wet at 2.5 ft bls.

15 - 20 ft, Sand (SP)
Moderate brown (5YR 3/4) to grayish brn., (5YR 3/2) v fine to fine grained, very dense, sub-rounded, little silt, tr. cemented nodules that breakup between fingers, clear quartz
Blows at 18-19 ft bls 10-27-28-30 80% rec.

20 - 29 ft, Sand (SP)
Brownish black (5YR 2/1), fine grained, loose,subrounded quartz, tr. medium sand, tr. silt.

29 - 32 ft, Sand (SW)
Moderate yellowish brown (10YR 5/4), fine to very coarse grained, loose, sub-round, tr. dark grains, trace silt, slightly cemented with nodules.

Blows at 30-31 ft bls 1-1-2-1 100% rec.



	DEPTH	ELEV.
4-in Protective Casing with Cover and Lock		
2-in Sch. 40 PVC Riser with end plug	2.4	107.05
	0.5	105.10
2X2 ft Concrete pad	0.0	104.60
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	103.60
#00N Morie Sandbridge (1.0 - 1.5 ft bls)	1.5	103.10
1/4 in bentonite tablets (1.5 - 2.5 ft bls)	2.5	102.10
2-inch Sch. 40 PVC Riser Casing		
Cement/Bentonite Grout (2.5-22.0 ft bls)		
	22.0	82.60
#00N Morie Sandbridge (22.0-23.0 ft bls)		
	23.0	81.60
1/4 in bentonite tablets (23.0 -25.0 ft bls)		
	25.0	79.60
	27.0	77.60
2-inch Sch. 40 PVC 10 slot Slotted Screen (27.0-32.0 ft bls)		
#1 Morie Filterpack (25.0-32.5 ft bls)		
	32.0	72.60
2 in Sch. 40 Sump (32.0-32.5 ft bls)		
	32.5	72.10
Bottom of Borehole (32.5 ft bls)	32.5	72.10
Bore hole DIA: 8 inch		

Not to Scale

AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.	WELL NO.: OLD-13-23B

JOB NO.	SITE	COORDINATES
T7027.12	OU-4, Orlando, FL	1536807.232N, 544608.495E

BEGUN	COMPLETED	PREPARED BY	REFERENCE POINT FOR MEASUREMENTS
11/13/97	11/13/97	R.J. Desrosiers	Top of PVC 106.37

GENERALIZED GEOLOGIC LOG

0-15 ft. Sand (SP)
Olive black (5Y 2/1), very fine to fine grained, loose, wet at 2 ft bls, little silt.

Blows at 8-9 ft bls 2-2-3 80% rec.

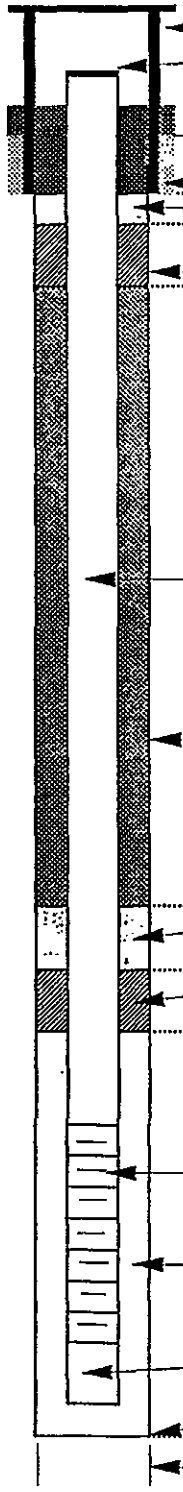
15 - 22 ft. Sand (SP)
Grayish brown (5YR 3/2), medium to coarse grained, very dense, rounded, clear quartz grains, coarse to v. coarse nodules that breakup between fingers.

Blows at 16-17 ft bls 14-38-50/4 60% rec.

22 - 27 ft. Sand (SP)
Brownish black (5YR 2/1), fine grained, loose, subrounded quartz, tr medium sand, tr. silt.

27 - 33 ft. Sand (SW)
Color change to mod yellowish (10YR 5/4) dense, tr drk grains

Blows at 30-31 ft bls 11-15-15 60% rec.



	DEPTH	ELEV.
4-in Protective Casing with Cover and Lock		
2-in Sch. 40 PVC Riser with end plug	2.4	106.37
	0.5	104.46
2X2 ft Concrete pad	0.0	103.96
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	102.96
#00N Morie Sandbridge (1.0 - 1.5 ft bls)	1.5	102.46
3/8 in bentonite tablets (1.5 - 2.5 ft bls)	2.5	101.46
2-inch Sch. 40 PVC Riser Casing		
Cement/Bentonite Grout (2.5-21.0 ft bls)		
	21.0	82.96
#00N Morie Sandbridge (21.0-22.5 ft bls)		
	22.5	81.46
3/8 in bentonite tablets (22.5 -25.0 ft bls)		
	25.0	78.96
	26.0	77.96
2-inch Sch. 40 PVC 10 slot Slotted Screen (26.0-31.0 ft bls)		
#1 Morie Filterpack (25.0-32.0 ft bls)		
	31.0	72.96
2 in Sch. 40 Sump (31.0-31.5 ft bls)		
	31.5	72.46
Bottom of Borehole (32.0 ft bls)	32.0	71.96
Bore hole DIA: 8 inch		

Not to Scale

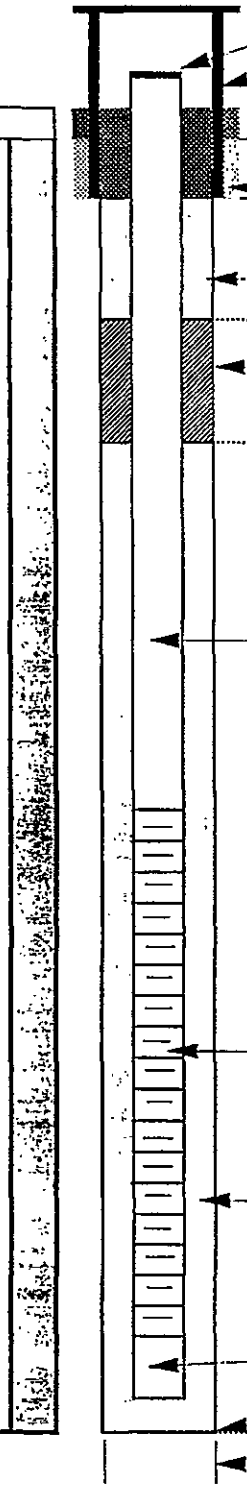
SBP Technologies, Inc.

AS-BUILT

MONITORING WELL	PROJECT Bechtel Naval Training Center Site.		WELL NO. OLD-13-24A
JOB NO. T7027.12	SITE OU-4, Orlando, FL	COORDINATES 1536724.201N, 544595.849E	
BEGUN 11/18/97	COMPLETED 11/18/97	PREPARED BY R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS Top of PVC 106.85

GENERALIZED GEOLOGIC LOG

<u>0 - 13.0 ft, Sand (SP)</u>
Medium dark grey (N4), fine to medium grained, loose, rounded, clear quartz grained, tr. silt, wet at 2.5 ft bls.



	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	2.2	106.85
4-in Protective Casing with Cover and Lock	0.6	105.17
2X2 ft Concrete pad	0.0	104.55
Cement/bentonite Seal (0.0 - 0.5 ft bls)	0.5	104.05
#00N Morie Sandbridge (0.5 - 1.0 ft bls)	1.0	103.55
3/8 in bentonite tablets (1.0 - 1.5 ft bls)	1.5	103.05
2-inch Sch. 40 PVC Riser Casing		
	2.7	101.85
2-inch Sch. 40 PVC 10 slot Slotted Screen (2.7-12.7 ft bls)		
#1 Morie Filterpack (1.5-13.0 ft bls)		
	12.7	91.85
2 in Sch. 40 Sump (12.7-13.0 ft bls)	13.0	91.55
Bottom of Borehole (13.0 ft bls)	13.0	91.55
Bore hole DIA: 8 inch		

Not to Scale

AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.	WELL NO.: OLD-13-25B

JOB NO.	SITE	COORDINATES
T7027.12	OU-4, Orlando, FL	1536728.647N, 544597.422E

BEGUN	COMPLETED	PREPARED BY	REFERENCE POINT FOR MEASUREMENTS
11/18/97	11/18/97	R.J. Desrosiers	Top of PVC 107.00

GENERALIZED GEOLOGIC LOG

0-13 ft, Sand (SP)
Medium dark gray (N4), fine to medium grained, loose, rounded, clear quartz grain, tr. silt. Wet at 2.0 ft bls.

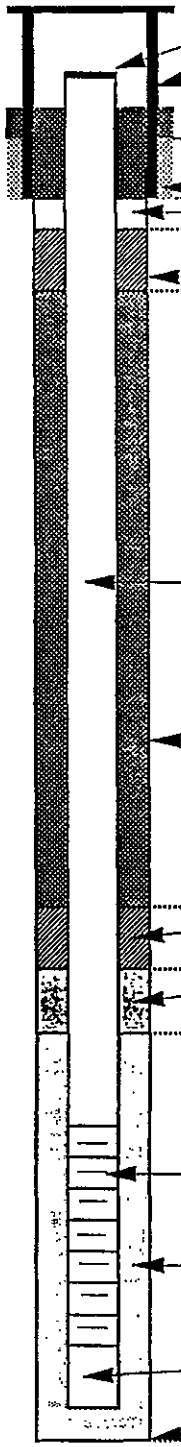
Blows at 8-9 ft bls 4-5-3-3

13 - 16 ft, Sand (SP)
Dark yellowish brown (10YR 4/2) to dusky yellowish brown (10YR 2/2), fine grained, dense, slightly cemented, rounded, tr. silt, clear quartz grains.

16 - 23 ft, Sand (SP)
Grayish brown (5YR 3/2), v fine to medium grained, loose, rounded, clear quartz grained, tr. sile.

Blows at 21-22 ft bls 8-18-18-24 80% rec
Color change @ 22.8 ft bls reddish brn.

23 - 24 ft, Sand (SW)
Moderate brown (10YR 3/4), fine to very coarse grained, dense, rounded, tr silt clear quartz grains



	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	1.5	107.00
4-in Protective Casing with Cover and Lock	0.5	105.09
2X2 ft Concrete pad	0.0	104.59
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	103.59
#00N Morie Sandbridge (1.0 - 1.5 ft bls)	1.5	103.09
1/4 in bentonite tablets (1.5 - 2.5 ft bls)	2.5	102.09
2-inch Sch. 40 PVC Riser Casing		
Cement/Bentonite Grout (2.5-12.0 ft bls)		
	12.0	92.59
#00N Morie Sandbridge (12.0-14.0 ft bls)	14.0	90.59
1/4 in bentonite tablets (14.0-16.0 ft bls)	16.0	88.59
	18.5	86.09
2-inch Sch. 40 PVC 10 slot Slotted Screen (18.5-23.5 ft bls)		
#1 Morie Filterpack (16.0-24.0 ft bls)		
	23.5	81.09
2 in Sch. 40 Sump (23.5-23.8 ft bls)	23.8	80.79
Bottom of Borehole (24.0 ft bls)	24.0	80.59
Bore hole DIA: 8 inch		

Not to Scale

SOIL BORING LOG

		Point of Interest:	OU4
		Boring No.:	OLD-13-33
Client: NAVY	Project No. 2545.05	Protection:	D
Contractor: AEI	Date Started: 12/17/97	Completed:	12/17/97
Method: Rotosonic	Casing Size: 6 in Ø	PI Meter:	Porta FID
Ground Elev.:	Soil Drilled:	Total Depth:	13 ft BLS
Logged by: J. Nash	Checked by:	▽ Below Ground:	
Screen: (ft.)	Riser: (ft.)	Diam: 2 in (ID)	Material: PVC
Page 1 of: 1			

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
					Ø	SAND, fine, organic rich, black	PT				
						SAND, fine grained, dk gray	SP				
5											
						SAND, fine grained, reddish brown, w/ thin layers of cemented fine sand	SP				
10											
						SAND, f-m, brown, w/ phosphate f-grav.	SP				
15											

PROPORTIONS	(-) AMOUNT (+)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

SOIL BORING LOG

			Point of Interest: OU4
			Boring No.: OLD-13-34
Client: NAVY		Project No. 2545.05	Protection: D
Contractor: AEI	Date Started: 12/17/97		Completed: 12/17/97
Method: Rotosonic	Casing Size: 6 in. Ø		PI Meter: Porta FID
Ground Elev.:	Soil Drilled:		Total Depth: 25 ft BLS
Logged by: J. Nash	Checked by:		▽ Below Ground:
Screen: (ft.)	Riser: (ft.)	Diam: 2 in. (ID) / Material: PVC	Page 1 of: 1

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
					Ø	SAND, fine, organic rich, black	PT				
5						SAND, fine grained, dk gray	SP				
10						SAND, fine grained, reddish brown, w/ thin layers of cemented fine sand	SP				
15						SAND, fine - medium grained, brown, w/ phosphate grains from fine sand to fine gravel	SP				
20											
25						SAND, fine grained, brown, w/ fine grained phosphate	SP				

PROPORTIONS	(-) AMOUNT (+)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

SOIL BORING LOG

		Point of Interest:	OU4
		Boring No.:	OLD-13-35
Client: NAVY	Project No. 2545.05	Protection:	D
Contractor: AEI	Date Started: 12/17/97	Completed:	12/17/97
Method: Rotosonic	Casing Size: 6 in ⊖	PI Meter:	Porta FID
Ground Elev.:	Soil Drilled:	Total Depth:	56 ft BLS
Logged by: J. Nash	Checked by:	▽ Below Ground:	
Screen: (ft.) Riser: (ft.)	Diam: 2 in (ID) Material: PVC	Page	1 of: 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
					Ø	SAND, fine, organic rich, black	PT				
						SAND, fine grained, dk. gray	SP				
5											
	U4B03001 U4B03001D	8-10				SAND, fine grained, reddish brown, w/ thin layers of cemented fine sand	SP				
10											
15						SAND, fine-medium, brown, w/ phosphate grains from fine to fine gravel	SP				
20	U4B03002 U4B03002MS U4B03002MSD	20-22									
25						SAND, fine grained, brown, w/ fine grained phosphate	SP				
30											
35											
40	U4B03003 U4B03003D	38-40									
45											
					✓	SAND, fine grained, greenish gray	SP				
50											

PROPORTIONS	(-) AMOUNT (-)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

SOIL BORING LOG

Point of Interest: OU4			
Boring No.: OLD-13-35			
Client: NAVY	Project No. 2545.05	Protection: D	
Contractor: AEI	Date Started: 12/17/97	Completed: 12/17/97	
Method: Rotosonic	Casing Size: 6 in ⌀	PI Meter: Porta FID	
Ground Elev.:	Soil Drilled:	Total Depth: 56 ft BLS	
Logged by: J. Nash	Checked by:	▽ Below Ground:	
Screen: (ft.)	Riser: (ft.)	Diam: 2 in (ID)	Material: PVC
Page 2 of: 2			

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
	U4B03004	52-54			Ø						
55						SAND, fine grained, w/some clay, green	SC				
60											

PROPORTIONS	(-) AMOUNT (+)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

SOIL BORING LOG

			Point of Interest: OU4
			Boring No.: OLD-13-36
Client: NAVY		Project No. 2545.05	Protection: D
Contractor: AEI	Date Started: 12/13/97		Completed: 12/13/97
Method: Rotosonic	Casing Size: 6 in ø		PI Meter: PocTa FID
Ground Elev.:	Soil Drilled:		Total Depth: 15 ft BLS
Logged by: J. Nash	Checked by:		▽ Below Ground: 5.24 ft
Screen: (ft.)	Riser: (ft.)	Diam: 2 in (ID) / Material: PVC	Page 1 of: 1

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
					0	SAND, fine grained, brown	SP				
5											
10											
						SILTY SAND, fine grained, brown	SM				
						SAND, fine grained, brown	SP				
15											
20											

PROPORTIONS	(-) AMOUNT (-)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

SOIL BORING LOG

Client: NAVY	Project No. 2545.05	Point of Interest: OU4	
Contractor: AEI	Date Started: 12/13/97	Boring No.: OLD-13-37	
Method: Rotosonic	Casing Size: 6 in Ø	Protection: D	
Ground Elev.:	Soil Drilled:	Completed: 12/13/97	
Logged by: J. Nash	Checked by:	PI Meter: Porta FID	
Screen: (ft.)	Riser: (ft.)	Diam: 2in(ID)	Material: PVC
		Total Depth: 26 ft BLS	
		▽ Below Ground: 4.71 ft	
		Page 1 of: 1	

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
					Ø	SAND, fine grained, brown	SP				
5											
10						SILTY SAND, fine grained, brown	SM				
						SAND, fine, brown	SP				
15						SAND, fine-medium grained, brown – at 20-23' greater percent of medium grains					
20											
25											
30											

PROPORTIONS	(-) AMOUNT (+)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

SOIL BORING LOG

			Point of Interest: OU 4
			Boring No.: OLD-13-38
Client: NAVY		Project No. 2545.05	Protection: D
Contractor: AEI	Date Started: 12/13/97		Completed: 12/13/97
Method: Rotosonic	Casing Size: 6 in. Ø		PI Meter: Porta FID
Ground Elev.:	Soil Drilled:		Total Depth: 65 ft BLS
Logged by: J. Nash	Checked by:		▽ Below Ground: 4.09 ft
Screen: (ft.)	Riser: (ft.)	Diam: 2 in (ID) / Material: PVC	Page 1 of: 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
5					Ø	SAND, fine grained, brown	SP				
10	U4B03301	8-10									
						SILTY SAND, fine grained, brown	SM				
15						SAND, fine, brown	SP				
20	U4B03302	20-22				SAND, fine - medium grained, brown - at 20-23' greater percent of medium grains	SP				
25						- light brown					
30						- less than 5% fine grained phosphate					
35						from 31-34' phosphate ranges from 1 cm Ø nodules to med grained					
40	U4B03303	38-40									
45						SAND, fine, greenish-tan, w/ trace fine phosphate	SP				
50											

PROPORTIONS	(-) AMOUNT (+)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

SOIL BORING LOG

			Point of Interest: OU4
			Boring No.: OLD-13-38
Client: NAVY		Project No. 2545.05	Protection: D
Contractor: AEI	Date Started: 12/13/93		Completed: 12/13/93
Method: Rotosonic	Casing Size: 6 in Ø		PI Meter: Porta FID
Ground Elev.:	Soil Drilled:		Total Depth: 65 ft BLS
Logged by: J. Nash	Checked by:		▽ Below Ground: 4.09 ft
Screen: (ft.)	Riser: (ft.)	Diam: 2 in (ID) / Material: PVC	Page 2 of: 2

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	FID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
55	U4B03304	56-58			Ø	SANDY CLAY, olive green	CL				
60						CLAY, w/a little sand, olive green	CL				
65						CLAY, stiff, high plasticity, olive green	CH				

PROPORTIONS	(-) AMOUNT (+)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

SOIL BORING LOG

		Point of Interest:	OU4
		Boring No.:	OLD-13-39
Client: NAVY	Project No. 2545.05	Protection:	D
Contractor: AEI	Date Started: 12/15/97	Completed:	12/15/97
Method: Rotosonic	Casing Size:	PI Meter:	Postn FID
Ground Elev.:	Soil Drilled:	Total Depth:	25 ft BLS
Logged by: J. Nash	Checked by:	▽ Below Ground:	6.05 ft
Screen: (ft.)	Riser: (ft.)	Diam: 2 in (ID)	Material: PVC
Page	of:		

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLT/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
					Ø	SAND, fine grained, gray	SP				
5						— brown					
10											
15						SILTY SAND, fine grained, dk. brown	SM				
20						SAND w/some silt, fine grained, brown, dense	SM				
25						SAND, fine grained, brown	SP				

PROPORTIONS	(-) AMOUNT (+)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

SOIL BORING LOG

			Point of Interest: OU4
			Boring No.: OLD-13-40
Client: NAVY		Project No. 2545.05	Protection: D
Contractor: AEI	Date Started: 12/15/97		Completed: 12/15/97
Method: Rotosonic	Casing Size: 6 in. Ø		PI Meter: Porta FID
Ground Elev.:	Soil Drilled:		Total Depth: 25 ft BLS
Logged by: J. Nash	Checked by:		▽ Below Ground: 4.42 ft
Screen: (ft.)	Riser: (ft.)	Diam: 2 in (ID) / Material: PVC	Page / of: 1

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
					Ø	SAND, fine grained, brown	SP				
5											
10											
15	U4B03S01	15-17									
20						SILTY SAND, fine grained, dk. brown	SM				
	U4B03S02					SILTY SAND, fine, brown, dense	SM				
25		23-25			✓	SAND, fine, brown	SP				

PROPORTIONS	(-) AMOUNT (-)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

SOIL BORING LOG

			Point of Interest: OU4
			Boring No.: OLD-13-41
Client: NAVY	Project No. 2545.05		Protection: D
Contractor: AEI	Date Started: 12/14/97		Completed: 12/14/97
Method: Rotosonic	Casing Size: 6 in ⌀		PI Meter: Porta FID
Ground Elev.:	Soil Drilled:		Total Depth: 28 ft BLS
Logged by: J. Nash	Checked by:		▽ Below Ground:
Screen: (ft.)	Riser: (ft.)	Diam: 2 in (ID) / Material: PVC	Page 1 of: 1

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
					Ø	SAND, fine grained, brown	SP				
5											
10	U4B03B01	12-14									
15											
20						– reddish-brown, med. dense from 18-21 ft					
25	U4B03B02	25-27				SAND, fine-medium grained, brown w/ trace phosphate grains	SP				
30											

PROPORTIONS	(-) AMOUNT (+)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

SOIL BORING LOG

Client: NAVY	Project No. 2545.05	Point of Interest: OU4	
Contractor: AEI	Date Started: 12/14/97	Boring No.: OLD-13-42	
Method: Rotosonic	Casing Size: 6 in ⊖	Protection: D	
Ground Elev.:	Soil Drilled:	Completed: 12/14/97	
Logged by: J. Nash	Checked by:	PI Meter: Porta FID	
Screen: (ft.)	Riser: (ft.)	Diam: 2in(ID)	Material: PVC
		Total Depth: 28 ft BLS	
		▽ Below Ground: 3.43 ft	
		Page of:	

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
					Ø	SAND, fine grained, brown	SP				
5											
10											
15											
20						– reddish-brown, dense from 18-21 ft					
25						SAND, fine-medium grained, brown w/ trace phosphate grains	SP				
30											

PROPORTIONS	(-) AMOUNT (-)
Trace (tr)	0-10%
Little (li)	10-20%
Some (so)	20-35%
and	35-50%

ABBREVIATIONS

f = fine	gr = gray	MS = Split Spoon
m = medium	bn = brown	BW = Screened Auger
c = coarse	blk = black	HP = Hydropunch

SOIL BORING LOG

			Point of Interest: OU4
			Boring No.: OLD-13-43
Client: NAVY		Project No. 2545.05	Protection: D
Contractor: AEI	Date Started: 12/14/97		Completed: 12/14/97
Method: Rotosonic	Casing Size: 6 in. Ø		PI Meter: Porta FID
Ground Elev.:	Soil Drilled:		Total Depth: 50 ft BLS
Logged by: J. Nash	Checked by:		▽ Below Ground: 3.82 ft
Screen: (ft.)	Riser: (ft.)	Diam: 2 in (ID) / Material: PVC	Page 1 of: 1

DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK DESCRIPTION	SOIL CLASS	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
					0	SAND, fine grained, brown	SP				
5											
10											
15											
20						– reddish-brown, med. dense from 18-21 ft					
25						SAND, fine-medium grained, brown w/ trace phosphate grains	SP				
30						SAND, fine grained, brown	SP				
35						SAND, fine-medium grained, brown, w/ trace phosphate grains	SP				
40											
45						SAND, fine grained, olive green, w/ trace phosphate	SP				
50											

PROPORTIONS	(-) AMOUNT (+)	ABBREVIATIONS		
Trace (tr)	0-10%	f = fine	gr = gray	MS = Split Spoon
Little (li)	10-20%	m = medium	bn = brown	BW = Screened Auger
Some (so)	20-35%	c = coarse	blk = black	HP = Hydropunch
and	35-50%			

CH2MHILL

Well Number: OLD-13-50A

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 5/29/02

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
-3							**Ground Elevation at Well:** 111.20 ft NAVD
				Ground Surface	111 0		**Top of Casing Elevation:** 113.98 ft NAVD Vent Hole: Yes
2						Grout	
							Wellhead Protection Cover: 4" square steel protective riser Weep Hole: No Concrete Pad Dimensions: 2' x 2' x 4"
7				**Refer to Boring Log for OLD-13-51B for Lithology**			**Diameter/Type of Well Casing:** 2" PVC, flush thread
	N/A	NA					**Type/Slot Size of Screen:** 2" PVC, flush thread/ 0.010" slot
12						Filter Pack	**Type Screen Filter:** 20/30 Silica Sand (15 bags)
							Type of Seal: Fine Sand (1 bag)
17							**Grout:** Portland Cement (5% Betonite) Method of Placement: Bucket Pour Volume of Well Casing Grout: 2 linear feet
							Development Method: Pump/Surge
22							

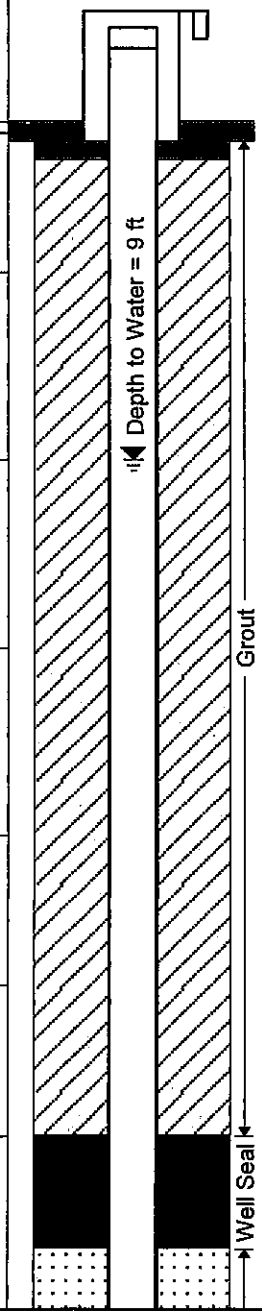
CH2MHILL

Well Number: OLD-13-51B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 5/28/2002 - 5/29/2002

Depth (ft)	Sample	SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth
-3				Ground Surface	111
				Asphalt	0
				Limestone	
2					107
	1	6-8-8-9		Fine to very fine SAND (SM), very light grey, dry to damp, med	4
7					102
	2	4-6-7-8		Medium SAND (SP), brown, wet, dense	9
12					97
	3	4-6-14-16		Fine SAND (SM), dark brown, wet, very dense	14
17					92
	4	31-25-29-27		Fine SAND (SM), some silt, dark grey to dark brown, wet, very dense to hard	19
22	5	9-4-6-11			88
	6	50+		Silty SAND (SM/ML), trace clay, very dark brown, very moist, hard, refusal at 23.4 ft bls	23
	7	9-29-37-50+			
27				**Hard Layer (Cemented Sand) at 19 to 27 feet bls**	84 27
	8	10-10-14-10		Silty SAND (SM/ML), little clay, dark brown to very dark brown, very moist, dense to very dense	
	9	5-9-9-11			



Ground Elevation at Well:
111.20 ft NAVD

Top of Casing Elevation:
114.24 ft NAVD
Vent Hole: Yes

Wellhead Protection Cover:
4" square steel protective riser
Weep Hole: No
Concrete Pad Dimensions:
2' x 2' x 4"

Diameter/Type of Well Casing:
2" PVC, flush thread

Type/Slot Size of Screen:
2" PVC, flush thread/ 0.010" slot

Type Screen Filter:
20/30 Silica Sand (19 bags)

Type of Seal:
Fine Sand (1 bag)
Bentonite Chips (1 bag)

Grout:
Portland Cement (5% Betonite)
Method of Placement:
Tremie Pipe
Volume of Well Casing Grout:
14 bags

Development Method:
Pump/Surge

CH2MHILL

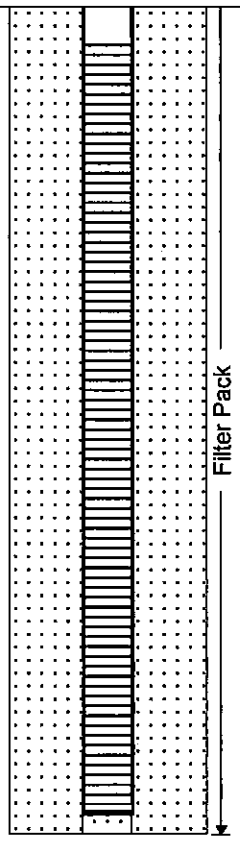
Well Number: OLD-13-51B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 5/28/2002 - 5/29/2002

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth
					77
	10	9-9-11-12		Silty SAND (SM/ML), very dark brown, very moist, dense	34
36					
					72
	11	6-6-11-8		Medium SAND (SP), little silt, dark brown, very moist, dense	39
41					
					67
	12	11-16-17-12		Medium SAND (SP), little silt, dark brown, very moist, dense	44
46					65
				End of Log	46
51					
56					
61					

Well Diagram



Well Construction Notes

CH2MHILL

Well Number: OLD-13-52A

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 6/2002

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
-3							**Ground Elevation at Well:** 106.70 ft NAVD
				Ground Surface	107 / 0		**Top of Casing Elevation:** 109.90 ft NAVD Vent Hole: Yes
2						Grout	
7	N/A	NA		**Refer to Boring Log for OLD-13-53B for Lithology**		Filter Pack	**Wellhead Protection Cover:** 4" square steel protective riser Weep Hole: No Concrete Pad Dimensions: 2' x 2' x 4" **Diameter/Type of Well Casing:** 2" PVC, flush thread **Type/Slot Size of Screen:** 2" PVC, flush thread/ 0.010" slot
12							**Type Screen Filter:** 20/30 Silica Sand (16 bags) **Type of Seal:** Fine Sand (1 bag)
17							**Grout:** Portland Cement (5% Betonite) Method of Placement: Bucket Pour Volume of Well Casing Grout: 2 bags **Development Method:** Pump/Surge
22							

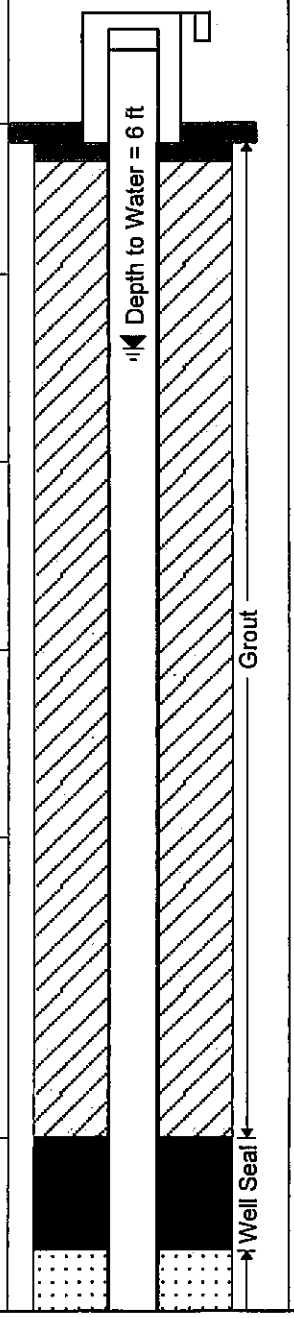
CH2MHILL

Well Number: OLD-13-53B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 6/2002

Depth (ft)	Sample	SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth
-3				Ground Surface	107 / 0
2					103
	1	3-3-3-3		Fine to medium SAND (SP/SM), some silt, very dark brown, very moist, medium dense	4
7					98
	2	2-1-1-2		Fine SAND (SM),little silt, dark grey to brown, wet, soft to medium dense	9
12					93
	3	0-0-6-9		Silty fine SAND (SM/ML), very dark brown, wet, very dense to hard, partially cemented	14
17					88
	4	7-20-49-50+		Silty fine SAND (SM/ML), very dark brown, wet, very dense to hard, partially cemented	19
22	5	33-50+		**Hard Layer (Cemented Sand) at 19 to 27 feet bls**	
	6	24-27-24-25			
	7	5-20-25-50+			80
27	8	6-15-15-16		Coarse SAND (SP), little clay, orange-brown, wet, dense	27



Ground Elevation at Well:
106.70 ft NAVD

Top of Casing Elevation:
109.96 ft NAVD
Vent Hole: Yes

Wellhead Protection Cover:
4" square steel protective riser
Weep Hole: No
Concrete Pad Dimensions:
2' x 2' x 4"

Diameter/Type of Well Casing:
2" PVC, flush thread

Type/Slot Size of Screen:
2" PVC, flush thread/ 0.010" slot

Type Screen Filter:
20/30 Silica Sand (20 bags)

Type of Seal:
Fine Sand (1 bag)
Bentonite Chips (1 bag)

Grout:
Portland Cement (5% Betonite)
Method of Placement:
Tremie Pipe
Volume of Well Casing Grout:
14 bags

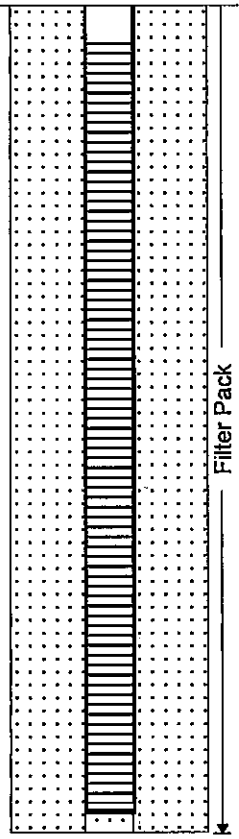
Development Method:
Pump/Surge

CH2MHILL

Well Number: OLD-13-53B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 6/2002

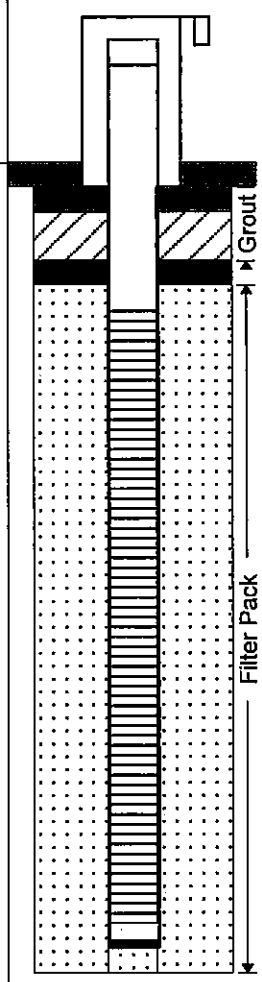
Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
				Coarse SAND (SP), rust-brown, wet, medium dense to dense	73 / 34		
36							
41							
46				End of Log	61 / 46		
51							
56							
61							

CH2MHILL

Well Number: OLD-13-54A

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 6/2002

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
-3				Ground Surface	103 0		**Ground Elevation at Well:** 103.20 ft NAVD **Top of Casing Elevation:** 106.15 ft NAVD Vent Hole: Yes
2							**Wellhead Protection Cover:** 4" square steel protective riser Weep Hole: No Concrete Pad Dimensions: 2' x 2' x 4"
7				**Refer to Boring Log for OLD-13-55B for Lithology**			**Diameter/Type of Well Casing:** 2" PVC, flush thread
	N/A	NA					**Type/Slot Size of Screen:** 2" PVC, flush thread/ 0.010" slot
12							**Type Screen Filter:** 20/30 Silica Sand (13 bags) **Type of Seal:** Fine Sand (1/2 bag)
17							**Grout:** Portland Cement (5% Betonite) Method of Placement: Bucket Pour Volume of Well Casing Grout: 2 bags
22							**Development Method:** Pump/Surge

CH2MHILL

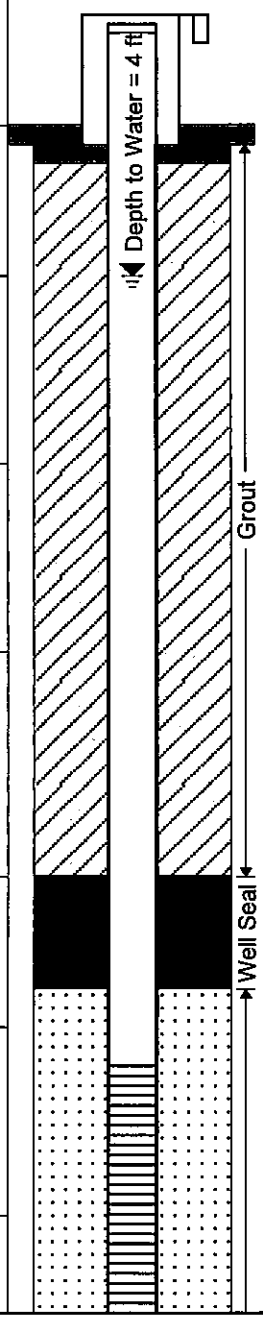
Well Number: OLD-13-55B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 6/2002

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth
				Ground Surface	103 / 0
	1	1-2-3-3		Fine to coarse SAND (SP), grey-brown, wet, medium dense	99 / 4
	2	2-2-4-3		SAND (SP),some silt, very dark brown, wet, medium dense	94 / 9
	3	9-20-30-47		Silty fine SAND (SM/ML), very dark brown, very moist, very dense to hard, partially cemented	89 / 14
	4	9-21-50+		**Hard Layer (Cemented Sand) at 16 to 20 feet bls**	
	5	6-9-21-50+			
	6	11-12-11-11		Silty fine SAND (SM/ML), very dark brown,very moist, very dense to hard,	83 / 20
	7	10-11-11-9		Fine to coarse SAND (SM/SP), little silt, rust-brown, wet, medium dense to dense	79 / 24
	8	5-5-8-8		Silty, fine to coarse, SAND (SM/SP), rust-brown, wet, medium-dense	74 / 29

Depth: -3, 2, 7, 12, 17, 22, 27



Ground Elevation at Well:
102.90 ft NAVD

Top of Casing Elevation:
105.65 ft NAVD
Vent Hole: Yes

Wellhead Protection Cover:
4" square steel protective riser
Weep Hole: No
Concrete Pad Dimensions:
2' x 2' x 4"

Diameter/Type of Well Casing:
2" PVC, flush thread

Type/Slot Size of Screen:
2" PVC, flush thread/ 0.010" slot

Type Screen Filter:
20/30 Silica Sand (20 bags)

Type of Seal:
Fine Sand (1 bag)
Bentonite Chips (1 bag)

Grout:
Portland Cement (5% Betonite)
Method of Placement:
Tremie Pipe
Volume of Well Casing Grout:
16 bags

Development Method:
Pump/Surge

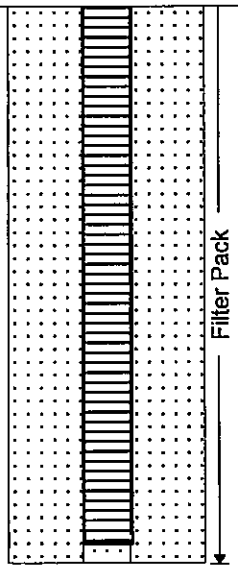
CH2MHILL

Well Number: OLD-13-55B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 6/2002

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
					69		
	9	4-5-7-16		Fine to medium SAND (SM/SP), little silt, rust-brown, wet, medium dense to dense	34		
36					64		
	10	4-7-7-10		Medium to coarse SAND (SP), little silt, orange-brown, wet, medium dense to dense	39		
41					59		
	11	12-12-14-14		Medium to coarse SAND (SP), little silt, orange-brown, wet, medium dense to dense	44		
46					57		
				End of Log	46		
51							
56							
61							

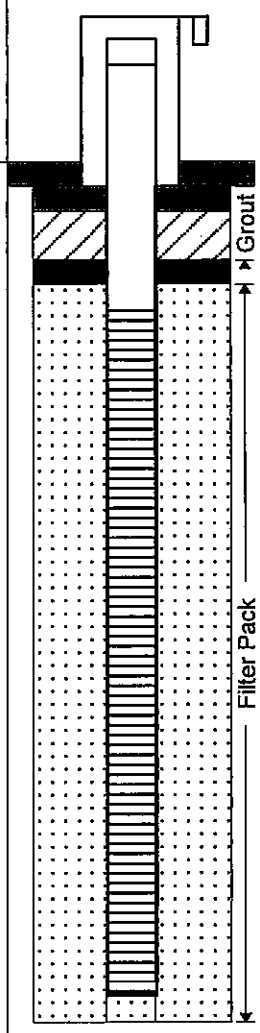


CH2MHILL

Well Number: OLD-13-56A

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 5/31/2002

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
-3				Ground Surface	107 0		**Ground Elevation at Well:** 107.20 ft NAVD **Top of Casing Elevation:** 110.00 ft NAVD Vent Hole: Yes
2							**Wellhead Protection Cover:** 4" square steel protective riser Weep Hole: No Concrete Pad Dimensions: 2' x 2' x 4"
7							**Diameter/Type of Well Casing:** 2" PVC, flush thread
	N/A	NA		**Refer to Boring Log for OLD-13-57B for Lithology**			**Type/Slot Size of Screen:** 2" PVC, flush thread/ 0.010" slot
12							**Type Screen Filter:** 20/30 Silica Sand (14 bags)
							Type of Seal: Fine Sand (1 bag)
17							**Grout:** Portland Cement (5% Betonite) Method of Placement: Bucket Pour Volume of Well Casing Grout: 2 bags
							Development Method: Pump/Surge
22							

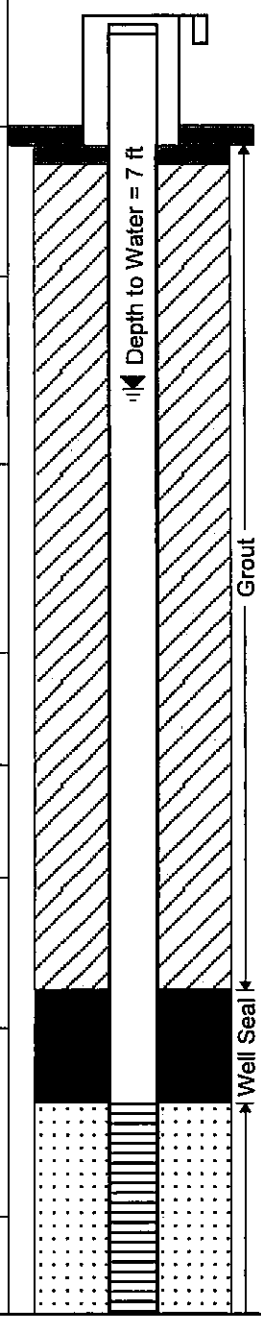
CH2MHILL

Well Number: OLD-13-57B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 5/29/2002 - 5/31/02

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth
-3				Ground Surface	103 / 0
2					99
	1	3-5-5-4		Very fine to fine SAND (SM), yellow-brown, moist, medium dense	4
7					94
	2	2-1-1-2		Coarse SAND (SP), brown, wet, medium dense	9
12					89
	3	2-2-3-19		Silty, medium to fine, SAND (SM/SP), very dark brown, wet, medium-dense to dense	14
17	4	8-50+			86
	5	6-6-13-28		Fine SAND (SM), some silt, very dark brown, moist, hard, cemented	17
	6	8-20-20-36		**Hard Layer (Cemented Sand) at 17 to 23 feet bls**	83 / 20
22	7	6-12-20-12		Fine SAND (SM), rust-brown, damp, very dense to hard, partially cemented	79
	8	11-9-11-20		Coarse SAND (SP), trace silt, very dark brown, wet, dense to very dense	24
27					74
	9	4-4-6-7		Medium to coarse SAND (SP), trace silt, orange, wet, medium-dense	29



Ground Elevation at Well:
102.90 ft NAVD

Top of Casing Elevation:
105.65 ft NAVD
Vent Hole: Yes

Wellhead Protection Cover:
4" square steel protective riser
Weep Hole: No
Concrete Pad Dimensions:
2' x 2' x 4"

Diameter/Type of Well Casing:
2" PVC, flush thread

Type/Slot Size of Screen:
2" PVC, flush thread/ 0.010" slot

Type Screen Filter:
20/30 Silica Sand (20 bags)

Type of Seal:
Fine Sand (1 bag)
Bentonite Chips (1 bag)

Grout:
Portland Cement (5% Betonite)
Method of Placement:
Tremie Pipe
Volume of Well Casing Grout:
16 bags

Development Method:
Pump/Surge

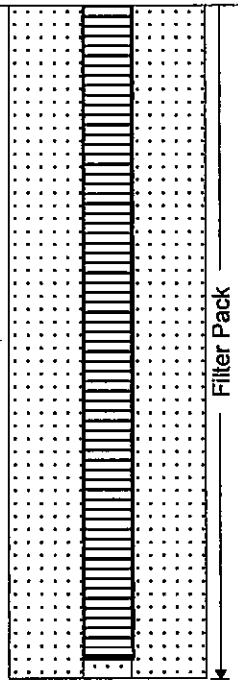
CH2MHILL

Well Number: OLD-13-57B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 5/29/2002 - 5/31/02

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
					69		
	10	5-2-2-3		Fine to medium SAND (SM/SP), little silt, rust-brown, wet, medium dense to dense	34		
36					64		
	11	4-6-6-4		Fine to medium SAND (SM/SP), trace silt, brown, wet, medium dense	39		
41					59		
	12	6-6-6-7		Fine to medium SAND (SM/SP), trace silt, brown, wet, medium dense	44		
46				End of Log	57 / 46		
51							
56							
61							



OLD13-58D

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
277311.33.02.04.02	OLD13-58D	SHEET 1 OF 6

SOIL BORING LOG

PROJECT: NTC ORLANDO CTO4 OU4 LOCATION: NTC ORLANDO (OU4)

ELEVATION: DRILLING CONTRACTOR: PRECISION SAMPLING

DRILLING METHOD AND EQUIPMENT USED: 4"x6" ROTOSONIC

WATER LEVELS: START: END: LOGGER: WGE

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
					NO SAMPLES UNTIL 70'	
5						
10						
15						
20						
25						

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD13-58D SHEET 2 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
30						
35						
40						
45						
50						

CH2MHILL

PROJECT NUMBER	BORING NUMBER 58 OLD13-58D SHEET 3 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
55						
60						
65						
70	70'-80'	~30% RECOV.		SC	LT. OLIVE GREEN CLAY/ SHELL "HASH" - LOOSE, SATURATED, TO DENSE, PLASTIC, SOME BLACK PHOSPHATE GRAINS, GRADES TO DARK GRAY CLAY, PHOSPHATES, SHELL FRAGS WET, V. PLASTIC, DENSE/STIFF	OVM NOT WORKING FIXED ✓ OVM = 0.0 BKGRD TOOK HEADSPACE SAMPLE — #1 READS 75 PPM
75						

Sbor150ft.xls

CH2MHILL

PROJECT NUMBER	BORING NUMBER	SHEET 4 OF 6
	OLD13-58D	

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
					TENDING TOWARD CH W/ DEPTH —	COLLECTED LITHOLOGIC SAMPLE
80	80'-90'	~90%		~80'-83'	SC/SP — OLIVE DARK GR. FINE GRAIN POORLY GRADED SAND/CLAY MIX TRACE FINE PHOSPHATE, MOIST TO WET, DENSE TO MOD. STIFF/PLASTIC —	PID READINGS: ~60 TO 80 ppm ALWAYS EXCEEDS LENGTH DEFINITE ODOR
85				~84'-89'	GRADES TO SM/SP — OLIVE DARK GRAY, FINE GR. SAND, DENSE, WET/MOIST, TR. PHOSPHATES, SOME SILT, NOT PLASTIC, SUB. ANG. TO SUB. ROUNDED	85' HEADSP. = 150 ppm — 50 ppm BKGRD.
90				~90'		90' HEADSP. = 170 ppm — 60 ppm BCKGRD. COLLECT LAB SAMPLE 04-58D-89 04-58D-89
	90-100	~90%		~90'-93'	SC — OLIVE DARK GREEN FINE SAND/CLAY MIX — AS AT 80', EXCEPT MORE ABUNDANT PHOSPHATE GR. UP TO 1/8", OYSTER SHELL > 1" @ ~93' — ~6" THICK BED, ALSO, PECTEN SHELL ~4" DIAM.	PID READINGS W/ 0.0 BCKGRD 30-40 ppm THROUGHOUT
95				93'-99'	GRADES TO SP/SW DK. OLIVE GR. FINE TO MED GRAIN SAND, SILTY, ABUNDANT PHOSPHATE GRAINS UP TO 1/8", SOME COARSE QUARTZ GR. TO ~1/16"	
100	100-110'	~90%		~100'-106'	AS AT 99', SP, DARK OLIVE, PHOSPHATE, WET, SL. FINER & MORE CLAY @ ~105'	PID MALFUNCTION ↓

6413580-89ft

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD13-58D	SHEET 5 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
105, 110	100'-110'	90%		106'-110'	SW - WELL GRADED VERY COARSE TO FINE SAND, >10% PHOSPHATE GRAINS, UP TO 1/8" - LARGE PEBBLES/COBBLES OF GREEN PHOSPHATE ROCK - UP TO 3", BLACK EMBEDDED PHOSPH. GRAINS UP TO 1/2" - LARGE ANGULAR WHITE QUARTZ PEBBLES, ~3/4" NOT PLASTIC, WET	NO PID - DETECTABLE CHEMICAL ODOR
115, 120	110'-120'	~70%		NEAR TOP - ~115'-120' APPROX.	~3' ZONE OF MED. TO FINE SAND/CLAY PHOSPHATE + LIMESTONE, LIGHT GRAY W/ BLACK PHOSPHATE UP TO ~1/2", + LIMESTONE + PHOSPHATE ROCK UP TO 2" - WET - SP/SC - SP - FINE TO MED. GR. OLIVE GRAY SAND, WET, V. DENSE, SL. PLASTIC, V. FINE GRAIN BLACK PHOSPHATE GRAINS, GRADES FINER TOWARDS BOTTOM -	DETECTABLE CHEMICAL ODOR
125	120'-130'	90%		~120'-126'	SC/CL - LT. OLIVE GRAY FINE PHOSPHATIC SANDY CLAY - DENSE, MOIST, PLASTIC, FINE GRAIN SANDY PHOSPHATE - NO FOSSILS - BLOCKY FRAC. DOES NOT CONTAIN MUCH H2O	PID BKGRD=0.0 READINGS ALL 0.0 ppm - NO ODOR

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD13-58D	SHEET 6 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
				~126'-130'	SC GRADES TO SP - POORLY GRADED FINE TO MED. SAND, SOME CLAY, MOIST, SL. PLASTIC TO NON PL. FINE PHOSPHATE GRAINS - SOME SILT -	PID = 0.0 ppm NO THRUOUT ODOR HEADSPACE = 0.0 ppm
130						
	130'-140'	~90%			SM/ML - LT. TO MED. OLIVE GRAY SILT W/ V. FINE GRAINED SANDY PHOSPHATE GRAINS - SHINY MICA/SILT? - GRADES FROM ML NEAR TOP TO SM NEAR BOTTOM, PLASTIC WHEN WETTED, BLOCKY FRACTURE, VERY DENSE/STIFF - DRY TO SL. MOIST -	PID = 0.0 ppm THROUGHOUT NO ODOR NOTE: SOIL TURNS DARKER + MORE GREEN IN COLOR IN AIR -
135						
140						
	140'-150'			~140'-~145'	SM - MED. OLIVE GRAY SILTY FINE TO V. FINE GRAIN SAND, TRACE TO MINOR % CLAY - V. DENSE, DRY, HORIZ. FRACTURES, PHOSPHATE TRACE MINERALS, GRADES TO HIGHER CLAY CONTENT DOWNWARD, TO:	PID READS 0.0 ppm THROUGHOUT NO ODOR
145						
				~145'-150'	CL - DARK OLIVE CLAY, DRY, HORIZONTAL FRAC. V. DENSE/STIFF, SPARSE PHOSPHATE GRAINS, ~V. FINE SAND IN MINOR AMOUNTS, V. PLASTIC WHEN WETTED	
150						
					END OF BORING	

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
277311.33.02.04.02	OLD13-59D	SHEET 1 OF 6

SOIL BORING LOG

10/11/04

PROJECT: NTC ORLANDO CTO4, OU4 LOCATION: OU4

ELEVATION: DRILLING CONTRACTOR: PRECISION SAMPLING INC.

DRILLING METHOD AND EQUIPMENT USED: 4"x6" ROTOSONIC RIG, 50' HEAD

WATER LEVELS: START: END: LOGGER: WGE

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
					NO SAMPLES TO 60'	
5						
10						
15						
20						
25						

CH2MHILL

PROJECT NUMBER	BORING NUMBER 0013-591D SHEET 2 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
30					NO SAMPLES TO 60'	
35						
40						
45						
50						

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD13-59D	SHEET 3 OF 6

SOIL BORING LOG

PROJECT: NTC ORLANDO TOH OU4 LOCATION:
ELEVATION: DRILLING CONTRACTOR: PRECISION SAMPLING
DRILLING METHOD AND EQUIPMENT USED: 4"x6" ROTOSONIC, SOK HEAD
WATER LEVELS: START: END: LOGGER: WGE

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
	50'-60'	0	0%		NO SAMPLES TO 60'	
55						
60	60'-70'	9.8+	0%	60-62'	CH - DARK GRAY FAT CLAY - VERY STIFF, V. DENSE, HIGHLY PLASTIC, MOIST,	GROSS SCREEN PID = <1 ppm THROUGHOUT -
				62-63'	CL - DARK GRAY SILTY CLAY, STIFF, DENSE, PLASTIC, MOIST, TRACE BIVALVE FOSSILS,	
65				63'-69'	ML - CLAYEY SILT, TRACE FINE SAND, LT. OLIVE GRAY, DENSE, MOIST, MOD. PLASTIC, ABUNDANT BIVALVE FRAGS. <1"	
				69'-70'	LT. GRAY "SHELL HASH" - BIVALVE FOSSILS, FRAGS UP TO 1 INCH, GRAY WET SILT CLAY MATRIX	HEADSPACE @ 69' = <1 ppm -
70	70'-80'	~75%		70-72'	CL - SILTY LT. OLIVE BROWN CLAY, V. MOIST, PLASTIC, DENSE/STIFF, BECOMES MORE FOSSILIF. + LOOSE @ 72' TRACE BLACK PHOSPHATES	PID READINGS (NO HEADSPACE) THROUGHOUT ARE <1 ppm - SATURATED
75				72'-BOTT. -1' CAP	"SHELL HASH" - OYSTER + OTHER BIVALVE FRAGS. UP TO 1" DOMINATES, CLAY/SILT MATRIX - SATURATED, LT. GRAY, PHOSPHATE GRAINS + PEBBLES UP TO 1/8" - BLACK SUB ROUNDED LOOSE + FLOWING - SOME CEMENTED FRAGS - CaCO3	(GP) (HCL TEST)

CH2MHILL

PROJECT NUMBER	BORING NUMBER OL-D13-590	SHEET 4 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
80					NEAR BOTTOM (80'+) SHELL HASH BECOMES COARSER, MORE FRAGS >1", CLAY CONTENT INCREASES, MORE DENSE + NOT SATURATED	
85	80'-90'	90%		80'-84'	CL - OLIVE TO OLIVE GRAY SILTY/SANDY CLAY - STIFF/DENSE, PLASTIC, MOIST, TRACE FINE BLACK PHOSPHATES, LESS CLAY + > SAND DOWNWARD	PID READINGS THROUGHOUT = <1 ppm
				84'-90'	SM - SILTY OLIVE GRAY SAND, FINE TO MED GRAINED DENSE, V. MOIST, V. SL. PLASTIC, V. FINE PHOSPHATE GRAINS,	HEADSPACE @ 98' = <1 ppm
90	90'-100'	100%		90-92'	ML/SM - OLIVE GREEN V. FINE GRAINED SAND, SILT, PHOSPH. PHOSPHATE GRAINS, DENSE, SL. PLASTIC TO PLASTIC, SOME CLAY, FOSSILIFEROUS MORE FOSSILS @ 92-93'	PID READINGS THROUGHOUT = ≤1 ppm
95				92-100'	SM - SILTY V. FINE TO FINE GR. SAND, FOSSIL BIVALVE MOLLUSKS + OYSTERS COMMON, UP TO 1", BLACK PHOSPHATE GRAINS COMMON, DENSE, MOIST TO WET, SL. PLASTIC, SAND DIES TOWARDS 100'	HEADSPACE @ 95' = <1 ppm
100						HEADSPACE @ 100' = <1 ppm COLLECT LAB SAMPLE @ 100'

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD13-159D SHEET 5 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
100	100'-110'	~90%		100'-105'	SP - POORLY GRADED VI FINE TO FINE GRAIN SAND, SATURATED, MED. OLIVE GREEN / DENSE, NOT PLASTIC, FINE BLACK PHOSPHATE COMMON - WET, NOT PLASTIC	PID SCREEN = <1 ppm THROUGHOUT
105				105'-110'	SM - FINE GRAIN LT. OLIVE GRAY SILTY SAND, W/ FINE PHOSPHATES - BLOCKY, DENSE, MOIST, SL. PLASTIC, W/ WEATHERED + COMPACT, MOIST + MOLLUSK FOSSIL FRAGS UP TO 2"	PID <1 ppm - INTERBEDS ~6" THICK @ 105', 107', 109'... LIMESTONE, TAN / CREAM, DWET, LIMESTONE FRAGS. FINE SAND @ 110'
110	110'-120'	~100%		110'-119'	SP - V. FINE TO FINE GRAIN SAND, LT. OLIVE GREEN, ABUNDANT V. FINE GR. PHOSPHATE GRAINS - BLACK - WET, DENSE, BLOCKY FRACTURES, NOT PLASTIC -	PID SCREEN = <1 ppm THROUGHOUT 110-120'
115				119'-120'	SM - SAND AS ABOVE BUT SILTY, DENSE, V. SL. PLASTIC	
120	120'-130'	100%		120'-129' (127'-129' GRADED ZONE) 129'-130'	SM - V. FINE TO FINE GRAIN SILTY LT. OLIVE GREEN SAND, AS AT 120' - DENSE, MOIST, SL. PLASTIC, ABUNDANT BLACK PHOSPHATE GRAINS, BLOCKY FRAC. GRADES TO: SP - POORLY GRADED FINE TO MED. GRAINED SAND, NO SILT, BLACK PHOSPHATE GRAINS - V. MOIST - MORE GRAY IN COLOR -	PID SCREEN = <1 ppm THROUT 127'-129' - TRANSITIONAL INTERBED ZONE - PID HEADSPACE @ 129' = <1 ppm -
125						

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD13-59D SHEET 6 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
130	130'-140'	100%		130'-136'	ML/SM - OLIVE GRAY SILT W/ V. FINE SAND + PHOSPHATES, SOME IRON STAINING, + FINE (<0.5") SAND LAMINAE; MOIST (DAMP), V. STIFF, V. DENSE, SL. PLASTIC, GRADING TO LESS SAND + MORE SILT + CLAY DOWNWARD	PID SCREEN = <1 ppm THROUGHOUT
135				136'-140'	ML/CL - OLIVE GRAY SILTY CLAY - SOME V. FINE SAND + BLACK PHOSPHATE — DRY TO SLMOIST, V. DENSE, BLOCKY + PLATY FRACTURE, (HORIZ.) CRUMBLY,	NO ODOR
140	140'-150'	100%		140'-143'	SM/SC - SILTY SAND W/ CLAY STRINGERS - OLIVE GREEN, VERY DENSE TO DENSE, STIFF, SL. PLASTIC, BLOCKY FRAC. DRY, TRACE V. FINE PHOSPHATES GRADES LESS SAND + MORE CLAY DOWNWARD, TO:	
145				143'-150'	CL - CLAY - DARK OLIVE V. DENSE, V. STIFF, BLOCKY HORIZ. FRACTURE AT V. FINE SAND LAMINAE ~ EVERY 6-8" - BECOMING DRIER + MORE PLATY FRACTURING TOWARDS 150' - PLASTIC DRY, VERY PLASTIC WHEN WETTED	
150						

— END OF BORING —

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
277311.33.02.04.02	OLD13-60D	SHEET 1 OF 6

SOIL BORING LOG

PROJECT: NTC ORLANDO CTO04 OU4 LOCATION: OU4

ELEVATION: DRILLING CONTRACTOR: PRECISION SAMPLING

DRILLING METHOD AND EQUIPMENT USED: 4"x6" ROTOSONIC

WATER LEVELS: START: END: LOGGER: WGE

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
5					NO SAMPLES TO 60'	
10						
15						
20						
25						

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD13-607 SHEET 2 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
30						
35						
40						
45						
50						

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD13-60D SHEET 3 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
55						
60						
	60'-70'	90%		60-62'	SP - SAND, FINE/MEDGR. MED. OLIVE GRAY, WET, LOOSE, TRACE PHOSPHATE, QUARTZ SAND	PID = ~40-50 ppm HEADSPACE ≅ 30-40 ppm
				62-64'	CH - DARK GRAY FAT CLAY - MOIST, V. STIFF, V. PLASTIC, BECOMES SANDIER DOWNWARD @ 64'	PID = ≤5 ppm TO 0 ppm
65				64'-70'	CL/CH - DARK GRAY CLAY, VARYING AMOUNTS OF SILT + V. FINE SAND, DENSE, STIFF, MOIST TO V. MOIST, PLASTIC TO V. PLASTIC (TRACE UNITS LIMESTONE @ 70')	PID = ≤5 ppm TO 0 ppm
70						
	70'-80'	0% REC.			SHELL HASH, NO SAMPLE, ROD DROP	
	~~80'-87'~~	0%			~~ROD DROP, NO SAMPLE - FLOWED AWAY FROM BARREL~~	
75						

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD13 – 60D SHEET 4 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER : WGE

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
80	80' – 87'	0%			80-82' – LIMESTONE CLAY mix "HASH" – LT. GRAY – SATURATED, FOSSILIFEROUS, UP TO 1" ~~NO SAMPLES~~ ~~RECOVERED~~ – ~~WET, FLOWING~~ ~~SEEP~~ – LOOSE – PEBBLES OF LIMESTONE	PID HEADSPACE: ~110ppm TO REREAD, ~±200 ppm CAL. CHECK = ON A 100ppm 100ppm STD.
85		75%			82 – 90' CL/CH – DARK OLIVE GRAY CLAY, VARYING FINE SAND/SILT CONTENT – WET TO MOIST, STIFF TO V. STIFF, PLASTIC TO V. PLASTIC, SOME OYSTER SHELLS + PHOSPHATE PEBBLES	PID HEADSPACE: <2 ppm ~1.8ppm (1.7)
90	90' – 100'	90%		90 – 100'	OLIVE GRAY CLAYEY SAND SC/SM – VERY FINE TO FINE GRAINED PHOSPHATIC SAND W/ SILTY CLAY – FOSSILIFEROUS, ABUNDANT OYSTER SHELL, SCALLOP SHELLS, BLACK PHOSPHATE GRAINS, MOIST TO WET – DENSE, STIFF, PLASTIC	PID @ ~91' = <1.0ppm PID <1ppm THROUGHOUT PID @ ~98' = <1.0ppm
100	100' – 110'	90 – 100%		100 – 109'	SM/SC – AS AT 90' – 100', EXCEPT LESS FOSSILS + PHOSPHATE, FINER SAND	PID 1.7 NEAR TOP, <1.0 ppm TO WITHIN 1FT OF BOTTOM = <2 ppm

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD13-60D SHEET 5 OF 6

SOIL BORING LOG

PROJECT : LOCATION :
ELEVATION : DRILLING CONTRACTOR :
DRILLING METHOD AND EQUIPMENT USED :
WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
105				109'-110'	SW - WELL GRADED FINE TO COARSE SAND, TRACE CLAY, DARK GRAY, WET, PHOSPHATE PEBBLES TO 1/2", LIMESTONE + BUFF GREEN PHOSPHATE ROCK, TO 1", - SIMILAR TO UNIT IN OLD13-58D AT 106'-110'	~2 ppm @ 109' FT HEADSPACE = 1.7 ppm
110	110'-120'	100+%		110'-113' 113'-120'	CL - SANDY LT. OLIVE GRAY CLAY, V. FINE GRAINED SAND OR PHOSPHATE, DENSE, STIFF, MOIST, GRADES SANDIER TO: SM/w/CL - FINE TO V. FINE GRAINED SAND, w/ PHOSPHATE GR. COARSER ~ 114-115', LESS CLAY DOWNWARD, DENSE, BLOCKY FRAC. MOIST FINER GRAIN DOWNWARD	PID MAX 3.0 ppm 113', 0 ~ 2 ppm REMAINDER HEADSPACE = 0.7 @ 113 NO ODOR
120	120'-130'	~90%		120-123 123-127 127-130	SC - CLAYEY SAND, greenish gray (10Y 4/1) DAMP, MEDIUM DENSE, medium GRAINED SAND, NON PLASTIC trace phosphate grains. CL - SANDY LEAN CLAY, greenish gray (10Y 5/1) DAMP, STIFF, fine to medium grained sand, Medium plasticity, cohesive, trace phosphate grains. POORLY GRADED SAND (SP), (10Y 5/1) DAMP, loose, medium grained sand, trace clay, trace phosphatic grains.	SLIGHT ODOR ~ 127' HEADSPACE @ 130' = 0.0 ppm

Sbor150ft.xls

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD13-60D SHEET 6 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
					on previous page	
130					130-134 CLAYEY SAND (SC), greenish gray (10Y, 5/1), damp, medium dense, medium grained sand, trace phosphatic grains. non plastic.	PID MAX every foot = .5ppm @ 138'
135		40%			134-140 SANDY LEAN CLAY (CL), greenish gray (10Y, 5/1), damp, stiff, non plastic, trace silt, trace fine sand trace phosphatic grains. 138. 140 trace mica	HEADSPACE @ 138': NO ODOR
140					140-145 SAME AS ABOVE	PID MAX EVERY FOOT 145' = .6ppm; 147' = .8ppm The rest 0.0ppm. 6" PIPE STOP @
145		100%			145-150 LEAN CLAY (CL) dry, very dense thin fine sand laminations (every 4") trace iron staining, trace mica flakes, high plasticity when wet medium plastic when dry	HEADSPACE @ 145' = 0.0 ppm very dark greenish gray (10Y 3/1)
150					—EOB—	HEADSPACE @ 147' = 0.0 ppm. 4" SAMPLER TO DEEPER

END OF BORING @ 150'

NOTE: APPROXIMATELY 700 G. OF POTABLE WATER USED DURING DRILLING.

Sbor150ft.xls

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
277311.33.02.04.02	OL013-G1D	SHEET 2 OF 6

SOIL BORING LOG

PROJECT: NTC ORLANDO CTO 4 OU4 LOCATION: OU4
ELEVATION: DRILLING CONTRACTOR: PRECISION SAMPLING INC
DRILLING METHOD AND EQUIPMENT USED: 4"x6" ROTOSONIC w/ 50' HEAD
WATER LEVELS: START: END: LOGGER: WGE

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
					NO SAMPLES TO 110'	
105						
110	110'-120'	100%		110'- 113'-	SM - LT. OLIVE GRAY SILTY FINE SAND, DENSE, COMPACT, V. MOIST, ABUNDANT BLACK MINERALS, NOT PLASTIC GRADES COARSER TO 113'	
115				113'- 115'	SW - WELL GRADED LT. OLIVE TAN SAND, V. FINE TO V. COARSE GRAINED, LOOSE, WET, W/ GRAY ROCK FRAGS TO 1", ABUNDANT BLACK PHOSPHATE PEBBLES, ROUNDED QUARTZ GRAINS TO 1/8"	
120				115'- 120	SW - AS ABOVE BUT WITH SEVERAL INTERBEDS <6" OF SILTY FINE SAND	+ COLOR IS OLIVE GRAY
					END OF BORING	
125						

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD-13-62D	SHEET 1 OF 6

SOIL BORING LOG

PROJECT: NTC ORLANDO CTS4 OU4 LOCATION: OU4

ELEVATION: DRILLING CONTRACTOR: PRECISION SAMPLING, INC.

DRILLING METHOD AND EQUIPMENT USED: 4" x 6" ROTOSONIC RIG w/ 50K SONIC HEAD

WATER LEVELS: START: 10/15 END: LOGGER: WRE

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
5					NO SAMPLES TO 80'	
10						
15						
20						
25						

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD-13-62D	SHEET 2 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
30					NO SAMPLES TO 80'	
35						
40						
45						
50						

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLO-T3-62D SHEET 3 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
55					NO SAMPLES TO 80'	
60						
65						
70						
75						

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD-13-62D SHEET 4 OF 6

SOIL BORING LOG

PROJECT: LOCATION:
ELEVATION: DRILLING CONTRACTOR:
DRILLING METHOD AND EQUIPMENT USED:
WATER LEVELS: START: END: LOGGER:

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
					NO SAMPLES TO 80'	
80	80'-90'	100%		80'-81'	LT. GRAY "SHELL HASH" SOMPY SHELL/CLAY mix, LOOSE TO DENSE,	PID SCREENING: <1 TO 50ppm —
				81'-82'	SC — CLAYEY SAND, SILTY, DK. OLIVE GREEN/GRAY, V. MOIST, PLASTIC, STIFF, MINOR FISSILE, MAINLY FINE GRAIN SAND	
85				82'-84'	CL — SILTY CLAY, DK OLIVE GREEN/GRAY, STIFF TO V. STIFF, PLASTIC, MOIST,	HEADSPACE @ 82' ≈ 190ppm
				84'-90'	SM/SC — CLAYEY SAND, DARK OLIVE GREEN/GRAY W/SILT, AS AT 81'	HEADSPACE @ 90' = <1 ppm
90	90'-100	100%		90'-100'	SM — SILTY DARK OLIVE TO OLIVE GRAY SILTY FINE GRAINED SAND — BLACK FINE TRACE MINERALS PRES.	HEADSPACE @ 91' = <1 ppm
95					OYSTER SHELL BED ~93'-97', INTERTHERED WHITE OYSTER SHELLS UP TO 2" DIAM. —	PID SCREEN = UP TO 4ppm @ ~92' 2ppm @ 94', REMAINDER <1ppm —
					— SAND IS DENSE, SL. PLASTIC WET, — GRADES LESS SHELL + SILT + LIGHTER	
100					IN COLOR FROM 97' TO 100' — (SP)	HEADSPACE @ 99' = <1 (0.8) ppm

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD-13-62D SHEET 5 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER : WGE

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
100	100'-110'	90%		100'-103'	SW/SC - DARK OLIVE GRAY WELL GRADED FINES TO V. COARSE SAND, CEMENTED GREEN ROCK INCLUSIONS UP TO 2", BLACK PHOSPHATE TO ~ 1/4", CLAYEY, STIFF, V. MOIST - LOSS CLAY TOWARDS 103'	PID SCREEN < 2 ppm THROUGHOUT -
105				103'-110'	SM - SILTY FINE GRAINED OLIVE GRAY SAND - DENSE, WET, PHOSPHATE GRAINS, V. SL. PLASTIC TO NON PLASTIC,	
110	110'-120'	~~100%~~ 70% (30% SLOUGH AT BOTTOM)		110' ~ 115'	SM - SILTY LT. OLIVE TAN V. FINE TO FINE GRAINED SAND, BLACK PHOSPHATE GRAINS PRESENT, SL. MOIST, DENSE, SL. STIFF, BLOCKY FRACTURES, SL. PLASTIC - TRACE CLAY AT ~ 114' - IRON STAINS	PID SCREEN = MAXED MINI RAE OUT AT 113'-116' (~~8000~~ ppm) GREATER THAN 50 ppm REMAINDER -
115				115'-BOTTOM	SM/SC, LT. OLIVE TAN, WITH LARGE (UP TO 2" DIAM.) COBBLES; FOSSILIFEROUS, CASTS OF BIVALVES, CEMENTED W/ FINE SAND + NON-CALCAREOUS CEMENT, SOME CONCHOIDAL FRACTURES - CHERT (?) REPLACEMENT ?, WET, CRUMBLY, CLAYEY -	HEADSPACE @ 115' = >9000 ppm DISTINCT SWEET CHEMICAL ODOR
120	120'-130'	100%		120'-126' ~	SM - LT. OLIVE GRAY V. FINE TO FINE GRAINED SILTY SAND, DENSE, MOIST, V. SL. PLASTIC FINE BLACK TRACE MINERALS + IRON STAINING	
125						

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD-13-GZD	SHEET 6 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
				~126'-130'	SP - LT. OLIVE GRAY, FINE GRAIN SAND W/ PHOSPHATE GRAINS TO 1/8" (SPARSE), DENSE, WET, COMPACT, NOT PLASTIC, TRACE OF MED. SAND.	PID SCREENING = <2ppm THROUGHOUT EXCEPTIONS READING @ 129' = 30ppm - SLOUGH?
130						
	130'-140'	100%		130'-134'	SM - LT. OLIVE GRAY SILTY FINE SAND, DENSE, MOD. STIFF, MOIST, BLOCKY FRACTURE, BLACK GRASS, SL. PLASTIC, IRON STAINS, RANDOM GREEN PEBBLES/COBBLES	PID SCREEN <2ppm THROUGHOUT
				134'-136'	SP - MED. GRAY POORLY GRADED MEDIUM TO MED. GRAIN SAND, DENSE, WET, ABUNDANT BLACK PHOSPHATE GRAINS, NOT PLASTIC	PID CAL CHECK = 99.6 ppm ON 100ppm STD.
135						
				136'-140'	SM, AS AT 130'	
140						
	140'-150'	100%		140'-150'	SM/CL - DARK OLIVE GREEN SILTY CLAY, SILT - TRACE V. FINE SAND, - DRY - DENSE, STIFF, COMPACT, BLOCKY CRUMBLY FRACTURE, SOME SPARSE CLAY IN THIN LENSES - ADD H2O → BECOMES PLASTIC	PID SCREEN <1ppm THROUGHOUT
145						
150						
					- END OF BORING -	

Sbor150ft.xls

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD13-63D	SHEET 1 OF 6

SOIL BORING LOG

10/13/04

PROJECT: NTC ORLANDO CTO4 LOCATION: ORLANDO NTC CTO4 OU4

ELEVATION: DRILLING CONTRACTOR: PRECISION SAMPLING, INC.

DRILLING METHOD AND EQUIPMENT USED: 4"x6" ROTOSONIC W/ SONICOR 50K HEAD

WATER LEVELS: START: 10/12/04 END: 10/13/04 LOGGER: WGE

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
					NO SAMPLES TO 60'	
5						
10						
15						
20						
25						

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD13-63D SHEET 2 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
					No Samples To 60'	
30						
35						
40						
45						
50						

CH2MHILL

PROJECT NUMBER	BORING NUMBER CLD13-63D	SHEET 3 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. DVM (ppm): Breathing Zone Headspace
55					NO SAMPLES TO -60'	
60	60'-70'	20	%		SP - SAND, POORLY GRADED ~~WITH~~ + FINE GRAINED + MEDIUM GRAINED, TAN COLOR, SATURATED, LOOSE, FLOWING, TRACE OF BLACK MINERALS, NOT PLASTIC -	PID SCREEN = <1 ppm SATURATED SAMPLE
65						
70	70'-80'	30	%		CL - DARK GRAY SANDY CLAY, W/ SILT - WET, DENSE, PLASTIC, LOW RECOVERY, EXACT INTERVAL - NOT CERTAIN	PID SCREEN: ~5-10 ppm
75						

CH2MHILL

PROJECT NUMBER	BORING NUMBER	SHEET 4 OF 6
	QLD13-63D	

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
					ON PREVIOUS PAGES	
80	80'-90'	100+%		80'-86'	CL - DARK OLIVE GRAY SILTY CLAY - SOME FINE SAND LENSES <3" THICK - DENSE, STIFF, PLASTIC, GRADES SANDIER DOWNWARD, TO'.	PID SCREEN: 7-60 ppm: 60 ppm @ 83' 40 ppm @ ~85' 20 ppm @ ~87' 10 ppm @ ~89' HEADSPACE @ 83' = 224/243 PPM HEADSPACE @ 90' = 16 ppm
85				86'-90'	SM/CL - SILTY FINE TO MED. SAND - CLAY LENSES, DARK OLIVE GRAY, WET, DENSE, TRACE PHOSPHATES, SL. PLASTIC TO PLASTIC (CLAY)	
90	90'-100'	~75%		90'-100'	SM/SP - V. FINE TO MED. GRAINED OLIVE GREEN SAND, VARYING AMOUNTS OF SILT, + CLAY - DENSE, WET, FINE TO MED. GRAINED BLACK MINERAL (PHOSPHATE ?) THROUGHOUT, SL. PLASTIC TO NOT PLASTIC - A FEW SHELL FRAGS - AT ~ 95' + 97', THIN LAYERS OF SW - WELL GRADED FINE TO COARSE SAND, W/ ABUNDANT BLACK PHOSPHATE GRAINS, UP TO 1/8", SAND LAYERS ARE ~ 1" THICK, WET, LOOSE, NOT PLASTIC	PID SCREEN: 0 ppm (≤1 ppm) NEAR TOP TO ~2 ppm NEAR BOTTOM -
100						

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
	OLD13-63D	SHEET 5 OF 6

SOIL BORING LOG

PROJECT: LOCATION:

ELEVATION: DRILLING CONTRACTOR:

DRILLING METHOD AND EQUIPMENT USED:

WATER LEVELS: START: END: LOGGER:

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
100	100'-110'	~80	%	Top 4'	SM/SP – SILTY V. FINE TO FINE SAND – OLIVE GREEN, W/ BLACK PHOSPHATE, WET, DENSE, SL. PLASTIC	PID SCREEN: ≤ 1 ppm THROUGHOUT
105				MUDDIES ~3'	SW – FINE TO V. COARSE SAND, ABUNDANT PHOSPHATES UP TO 1/4" – GREEN COBBLE SIZED PHOSPHATE, ABUNDANT FOSSILS – SHARKS TEETH + STINGRAY MUDDIES + BLACK PEBBLES UP TO 3/4" –	SUBROUNDED QUARTZ GRAINS TO 1/4" –
110				Bottom ~1'+	LT. TAN/GRAY SILT, ML – DENSE, BLOCKY FRACTURE, DRY TO MOIST, TRACE FINE BLACK GRAINS, SL. PLASTIC WHEN WET	
115	110'-120'	100	%		SP – VERY FINE GRAINED SAND, ABUNDANT V. FINE BLACK TRACE MINERALS, LIGHT OLIVE GRAY – WET TO MOIST, DENSE, TRACE SILT, V. SL. PLASTIC TO NOT PLASTIC	– NO PID – NO ODOR HEADSPACE @ 115' = <1 ppm HEADSPACE @ 120' = <1 ppm
125	120'-130'	~75	%		SP – AS AT 110'-120', EXCEPT BECOMES SILTIER – DRIER @ ~129' – ALSO, RANDOM SPARSE CEMENTED SAND/PHOSPHAT GRAINS, NON-CALCAREOUS CEMENT, SIZES ~1" TO 3" LIGHT OLIVE GREEN, INDURATED	– NO PID – NO ODOR

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD13-630	SHEET 6 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
					ON PREVIOUS PAGE	
130						
	130'-140'	100%		130-139'	ML/SM - OLIVE GRAY SILT, ABUNDANT VERY FINE GRAINED SAND & BLACK MINERALS - DENSE, MOIST, SL. PLASTIC BLOCKY FRACTURES AT 138', CLAY CONTENT ↑	- NO PID - NO ODOR
135				~139'-140'	CL - SANDY SILTY CLAY, OLIVE GREEN, DENSE, STIFF, DRY, TO MOIST - NOT PLASTIC AND CRUMBLY TO PLASTIC, BLACK TRACE MINERALS, SHINY MINERALS (MICA)?	
140						
	140'-150'	~20%		~2' LOOSE SAMPLE	ML/CL - SANDY, CLAYEY, DARK OLIVE SILT - MOIST TO DAMP, V. STIFF, V. DENSE, PLASTIC WHEN WETTED, V. FINE SAND & BLACK TRACE MINERALS PRESENT - BLOCKY FRACTURING -	- NO PID - NO ODOR
145						
				NOTE:	LOW RECOVERY, EXACT DEPTH INTERVAL IS UNCERTAIN -	
150						
					END OF BORING	

CH2MHILL

PROJECT NUMBER	BORING NUMBER	
277311.33.02.04.02	OLD-13-GHD	SHEET 1 OF 6

SOIL BORING LOG

PROJECT: JSC ORLANDO CT04 OU4 LOCATION: OU4

ELEVATION: DRILLING CONTRACTOR: PRECISION SAMPLING, INC.

DRILLING METHOD AND EQUIPMENT USED: 4"x6" ROTOSONIC RIG w/ 50K SONICOR HEAD

WATER LEVELS: START: 10/14 END: LOGGER:

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
0					NO SAMPLES TO 60'	
5						
10						
15						
20						
25						

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD-13-64D SHEET 2 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
30					NO SAMPLES TO 60'	
35						
40						
45						
50						

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD13-64D	SHEET 3 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
55					NO SAMPLES TO 60'	
60	60'-70'	~75	%	Top 6'	SM - DARK GRAY SILTY FINE TO V. FINE GRAINED SAND, TRACE CLAY, DENSE, WET, V. FINE BLACK MINERALS PRESENT, SL. PLASTIC, INCREASING SILT + CLAY CONTENT DOWNWARDS, TO:	PID SCREEN = 0 TO 3 ppm, 3 ppm @ ~63'-64'
65				Bottom 2'	CL - DARK GRAY SILTY CLAY, TRACE V. FINE SAND, DENSE, STIFF, WET/MOIST, PLASTIC, BLACK MINERALS + FINE SAND IN MINOR AMOUNTS	HEADSPACE @ 63' = (MINI RAE) 0.5 ppm (THERMO ELEC.) 3.0 ppm
70	70'-80'	75	%	Top 2'	CL - SAME AS AT BOTTOM OF (70') PREVIOUS SAMPLE AT ~ 2', GRADES TO:	PID SCREEN = 0-2 ppm THROUGHOUT, MAX OF 2 ppm @ ~ 2' FROM BOTTOM
75				Middle 3+ ft.	SM - MED. ~~DARK~~ OLIVE TO OLIVE GRAY SILTY SAND, V. FINE TO MED. GRAINED, SILTY, W/ CLAY STRINGERS, MINOR BLACK MIN., SL. PLASTIC, WET, DENSE	NO ODOR
				Bottom 2'	CL - AS AT TOP OF SAMPLE	

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD-13-64D SHEET 4 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER : WGE

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
80						
	80'-90'	100	%	80'-82'	SM - OLIVE SILTY FINE TO MED. SAND, AS AT MIDDLE OF 70-80' SAMPLE, GRADES LIGHTER IN COLOR ↓	PID SCREEN: 0-2 ppm, MAX OF 2 ppm @ ~86' ±
85				82'-90'	SM/SW V. FINE TO COARSE SILTY SAND, LT. GRAY TOP 1', TO OLIVE GREEN/GRAY - DENSE, MOIST, SL. PLASTIC, SHELL BED OF BIVALVES + OYSTER FROM 82'-86', SPARSE BELOW 86' - V. FINE GRAIN + FINE GRAIN SM BELOW 86' TO 90'	NO ODOR
				82'-86' = SHELL BED w/ CALC. CEMENTED COBBLES UP TO 3"		
90						
	90'-100'	100	%	90'-100'	SM - OLIVE GRAY SILTY V. FINE TO FINE GRAIN SAND, FEW GREEN CLAY INCLUSIONS, DENSE, WET, V. SL. PLASTIC - ABUNDANT BLACK PHOSPHATE GRAINS TO 1/8", ABUNDANT BIVALVE + OYSTER SHELLS, @ ~92'-94', SPORADIC THROUGHOUT	PID SCREEN = 0-1.8 ppm, MAX AT ~95'
95						
100						
	100'-110'		%		↓	

CH2MHILL

PROJECT NUMBER	BORING NUMBER	SHEET 5 OF 6
	OLD13-64B	

SOIL BORING LOG

PROJECT: LOCATION:

ELEVATION: DRILLING CONTRACTOR:

DRILLING METHOD AND EQUIPMENT USED:

WATER LEVELS: START: END: LOGGER:

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
100	100'-110'	100%		100'-104	SW - DARK GRAY WELL GRADED FINE TO V. COARSE SAND W/ ABUNDANT BLACK + BROWN PHOSPHATES? GRAINS UP TO 3/4", SPARSE FOSSIL FRAGS., QUARTZ GRAINS TO 1/2" DIAMETER, LOOSE TO MOD. DENSE, WET, NOT PLASTIC TRACE CLAY + SOME SILT	PID SCREEN = 0 TO ~2 ppm THROUGHOUT HEADSPACE @ 93' = <1 ppm
105				104-110'	SM/ML - LT. GRAY SILTY SAND, MOSTLY CEMENTED FRAGS UP TO 1" DIAM. CLAY + BIVALVE SHELLS PRESENT, BLACK GRAINS, STIFF/DENSE, BLOCKY FRACTURE, PLASTIC, MORE CLAY TOWARDS 110'	
110	110'-120'	100%		110'-118'	SM/SP LT. OLIVE GRAY SILTY V. FINE GRAINED SAND, DENSE, WET, NOT PLASTIC TO SL. PLASTIC, SPORADIC IRON STAINS + GRAY COLOR BANDS <1" THICK, V. FINES GROUND BLACK TRACE MINERAL, SPARSE BLACK-PEBBLES	PID SCREEN = 0 TO ~2 ppm THROUGHOUT (MOISTURE?) HEADSPACE NOT DONE, WET SAMPLE PID SCREEN W/ "THERMO-E" P.I.D = <1 ppm
115				118'-120'	ML - LT. OLIVE GRAY SILT W/ FINER SAND, DENSE/STIFF, IRON STAINS, PLASTIC, MOIST, BLOCKY FRAC., ABUNDANT CEMENTED SAND PEBBLES UP TO 1/2 INCH, SPARSE FINE BLACK MINERAL	
120	120'-130'	100%		120-128'	SM/SP LT. GRAY SILTY FINE TO V. FINE GRAINED SAND, AS AT 110'-118' - SPORADIC BLACK PEBBLES UP TO 1/4", BECOMES SILTIER + DENSE/COMPACT TOWARDS 127' - TRACE CLAY -	PID SCREEN = <1 ppm THROUGHOUT LAB SAMPLE @ 123'
125				128'-130'	ML - AS AT 118-120' EXCEPT LT. GRAY COLOR	HEADSPACE @ 130' = 0.0 ppm

CH2MHILL

PROJECT NUMBER	BORING NUMBER OLD-13-64D	SHEET 6 OF 6

SOIL BORING LOG

PROJECT : LOCATION :

ELEVATION : DRILLING CONTRACTOR :

DRILLING METHOD AND EQUIPMENT USED :

WATER LEVELS : START : END : LOGGER :

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Headspace
130		130'-140'	100 %	~130'-139'	ML - DARK OLIVE GREEN/GRAY SILT, DENSE/STIFF, SL. MOIST TO DRY/DAMP - BLOCKY HORIZONTAL FRACTURES, STIFF, MODERATE PLASTICITY WHEN WETTED, SPARSE BLACK FINES GR. TRACE MINERAL IN THIN FINE SAND LAMINAE -	PID SCREEN: <2 ppm (MOISTURE?) THROUGHOUT NO ODOR HEADSPACE @ 135' = <1 ppm
135				~139'-140'	CL - DARK OLIVE GREEN/GRAY CLAY, SILTY, W/ SOME TRACE V. FINE SAND - STIFF PLASTIC, MOIST TO DRY	
140	140'-150'		%	140'-	CL - AS AT 139' - DARK OLIVE GREEN SILTY CLAY - SL. MOIST TO DRY, CRUMBLY, PLATY HORIZ. FRACTURES, BECOMES STIFFER, DENSER, MORE PLASTIC BELOW 145'	PID SCREEN = <1 ppm THROUGHOUT
145						
150					- END OF BORING -	

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	BORING No.:	SB-03
PROJECT NUMBER:	112G00131	DATE:	6/18/2006
DRILLING COMPANY:	Prosonic	GEOLOGIST:	Gary Braganza
DRILLING METHOD:	Sonic	CONVERTED TO WELL:	Yes: X No:
DRILLER:	Fred Kraus	WELL ID:	OLD-13-65D on 06/27/06

Depth (ft bgs)*	RUN		LITHOLOGY							GW (ppb)			Soil (ppb)		
	No.	% Recovery	USCS	Color	Moisture	Primary Description	Secondary Description	PID	Sample ID	Color-Tec	Laboratory	Sample ID	Color-Tec	Laboratory
55	1	100%	SP	Gray-brown	Moist	Medium grained sand, well sorted	Poorly consolidated, consistant from 55-65							
56														
57														
58														
59														
60														
61														
62														
63														
64														
65	2	100%												
66														
67														
68														
69			CL	Dark greenish-gray	Dry	Clay	Very stiff, well consolidated, low plasticity,minor silty sand							
70														
71														
72														
73														
74														
75	3	100%	-NA-	Borehole Collapse										
76														
77														
78														
79														
80														
81														
82														
83														
84														
85	4	100%	SP	Greenish-gray	Moist	Well sorted sand, increasing clay with depth	Medium to fine grain, soft, abundant shell fragments, zone of shell frags @ 99'-100', moderately consolidated, abundant black grains							
86														
87														
88														
89														
90														
91														
92														
93														
94														
95	5	100%												
96														
97														
98														
99														
100														
101														
102														
103														
104														

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	BORING No.:	SB-03
PROJECT NUMBER:	112G00131	DATE:	6/18/2006
DRILLING COMPANY:	Prosonic	GEOLOGIST:	Gary Braganza
DRILLING METHOD:	Sonic	CONVERTED TO WELL:	Yes: X No:
DRILLER:	Fred Kraus	WELL ID:	OLD-13-65D on 06/27/06

Depth (ft bgs)*	RUN		LITHOLOGY							GW (ppb)			Soil (ppb)		
	No.	% Recovery	USCS	Color	Moisture	Primary Description	Secondary Description	PID	Sample ID	Color-Tec	Laboratory	Sample ID	Color-Tec	Laboratory
105	6	100%	GW	Light greenish-gray	Wet	With silt and fine grained sand	Gravel up to 2" diameter, few shell fragments, poorly consolidated							
106														
107			SC	Light grayish-brown	Moist	With fine grained silty sand	Very stiff, well consolidated, abundant quartz and black grains							
108														
109			SP	Greenish-gray		With silt and clay	Stiff, well consolidated							
110														
111														
112														
113														
114														
115	7	100%												
116														
117														
118			SC	Light greenish-gray	Dry	With increasing clay and silt with	Well consolidated, very stiff, numerous black grains, 1-2 mm diameter, few subangular quartz grains							
119														
120														
121				Gray-green	Moist	Fine to medium grain sands	Moderately consolidated, medium stiff							
122														
123														
124														
125	8	100%												
126														
127			GC	Greenish-gray		Sandy gravel with increasing clay content	Stiff,well consolidated, embedded mudstone fragments, 1-2 cm diameter, abundant quartz and black grains							
128														
129														
130			CL	Dark greenish-gray	Dry	Clay with minor silt and fine grained sand	Very stiff,well consolidated							
131														
132														
133														
134														
135														
136														
137														
138														
139														
140														
141														
142														
143														
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145														
146														
147														
148														
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150														
151														
152														
153														
154														

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	BORING No.:	SB-04
PROJECT NUMBER:	112G00131	DATE:	6/20/2006
DRILLING COMPANY:	Prosonic	GEOLOGIST:	Gary Braganza
DRILLING METHOD:	Sonic	CONVERTED TO WELL:	Yes: X No:
DRILLER:	Fred Kraus	WELL ID:	OLD-13-66D on 06/30/06

Depth (ft bgs)*	RUN		LITHOLOGY							GW (ppb)			Soil (ppb)		
	No.	% Recovery	USCS		Color	Moisture	Primary Description	Secondary Description	PID	Sample ID	Color-Tec	Laboratory	Sample ID	Color-Tec	Laboratory
55	1	50%	SP		Dark gray	Moist	Sand - poorly graded	Medium to fine grained, well sorted, poorly consolidated							
56															
57															
58															
59															
60															
61															
62															
63															
64															
65	2	100%	CL		Dark greenish-gray	Dry	Clay with minor silt and fine sand	Very stiff, well consolidated, medium to high plasticity							
66															
67															
68															
69			GW		Light gray	Saturated	Sandy gravel with minor clay	Increasing CLAY with depth, abundant shell fragments (coquina hash), unconsolidated, embedded black grains							
70															
71															
72															
73															
74															
75	3	100%													
76															
77															
78															
79			SC		Greenish-gray	moist	Clayey sand with fine sand and silt	Increasing clay with depth,few quartz grains,1-2 mm,soft,moderately to well consolidated							
80															
81															
82															
83															
84															
85	4	100%													
86															
87															
88			SP		Greenish-gray		Sand with silt and clay	Soft, abundant shell fragments from 94'-95', abundant quartz and black grains from 95'-104', moderately consolidated							
89															
90															
91															
92															
93															
94															
95	5	100%													
96															
97															
98															
99															
100															
101															
102															
103															

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	BORING No.:	SB-04
PROJECT NUMBER:	112G00131	DATE:	6/20/2006
DRILLING COMPANY:	Prosonic	GEOLOGIST:	Gary Braganza
DRILLING METHOD:	Sonic	CONVERTED TO WELL:	Yes: X No:
DRILLER:	Fred Kraus	WELL ID:	OLD-13-66D on 06/30/06

Depth (ft bgs)*	RUN		LITHOLOGY							GW (ppb)			Soil (ppb)		
	No.	% Recovery	USCS		Color	Moisture	Primary Description	Secondary Description	PID	Sample ID	Color-Tec	Laboratory	Sample ID	Color-Tec	Laboratory
104			GW		Dark greenish-gray		Gravel with minor fine sand and silt	Black rounded to subrounded, 1-2 cm, soft, poorly consolidated, larger mudstone fragments, subrounded 4-5 mm diameter							
105	6	100%													
106					Light gray brown	Wet	Gravel in fine sand-silty matrix	large mudstone fragments 4-5 cm diameter, black grains embedded in mudstone 1-2 mm, minor shell fragments, large quartz crystals 1-2 mm, moderately consolidated							
107															
108															
109			SC		Greenish-gray	moist	Clay with sand increasing with depth	Fine grained, numerous black quartz grains, soft, moderately consolidated							
110															
111															
112															
113															
114															
115	7	100%	SP				Sand fine to silty	Soft, moderately consolidated, numerous black and quartz grains							
116															
117															
118															
119															
120			SC		Light gray-green	Dry	Silty sand	Fine grained, few mudstone fragments dereasing with depth, well consolidated, very stiff							
121															
122															
123					Grayish-green	Moist	Sand fine to silty	Increasing sand with depth, poorly consolidated, abundant black grains, few 1-2 mm subrounded grains, minor shell fragments							
124															
125	8	100%													
126															
127															
128					Greenish-gray		Sand fine to silty	Numerous black grains, very stiff, well consolidated							
129															
130															
131															
132					Dark grayish green	Dry	Clayey sand with fine to very fine sand	Well consolidated, very stiff							
133															
134															
135	9	100%	CL		Dark greenish-gray		Clay with silt and very fine sand	Dry and fissle along the entire length, very stiff to hard, minor mudstone fragments 1-2 mm							
136															
137															
138															
139															
140															
141															
142															
143															
144															
145															
146															
147															
148															
149															
150															
151															
152															
153															
154															

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	**BORING No.:**	SB-02
PROJECT NUMBER:	112G00131	**DATE:**	6/17/2006
DRILLING COMPANY:	Prosonic	**GEOLOGIST:**	Gary Braganza
DRILLING METHOD:	Sonic	**CONVERTED TO WELL:**	Yes: X No:
DRILLER:	Fred Kraus	**WELL ID:**	OLD-13-67D on 06/27/06

Depth (ft bgs)*	RUN		LITHOLOGY							GW (ppb)			Soil (ppb)		
	No.	% Recovery	USCS		Color	Moisture	Primary Description	Secondary Description	PID	Sample ID	Color-Tec	Laboratory	Sample ID	Color-Tec	Laboratory
55	1	100%	SM		Gray to dark gray	Moist	Silty Sand	Soft, moderately consolidated	0						
56									0						
57									0						
58									0						
59									0						
60			CL		Greenish-gray	Dry	Clay	Very stiff, minor shell fragments, well consolidated	0						
61									0						
62									0						
63									0						
64									0						
65	2	100%			Light gray-green			Medium plasticity,stiff, well consolidated, minor shell fragments	0						
66									0						
67									0						
68			GW		Light-gray	Saturated	Sandy Gravel with intermittent clay lenses	Loosely consolidated, abundant shell fragments	0						
69									0						
70									0						
71									0						
72									0						
73									0						
74									0						
75	3	100%							0						
76									0						
77									0						
78			SC		Gray-green	Moist	Clayey Sand	Soft, well consolidated, slight plasticity, 3 in large shell fragments @ 79'	0						
79									0						
80									0						
81									0						
82									0						
83									0						
84									0						
85	4	100%							0						
86									0						
87					Light Greenish-gray			Soft, Fine Grain	0						
88									0						
89			CL		Greenish-gray		Clay with fine sands and silt	Medium plasticity, abundant shell fragments, few large up to 2 in	0						
90									0						
91									0						
92									0						
93			SC		Greenish-gray	Dry	Clayey Sand	Minor shell fragments, well consolidated, stiff, few black grains	0						
94									0						
95	5	100%	SP			Moist	Sand	Fine to medium grain, minor clay, 1" fragmented shell zone @ 93', soft, moderatly consolidated, numerous black grains @ 104'-105' approx 5mm	0						
96									0						
97									0						
98									0						
99									0						
100									0						
101									0						
102									0						
103									0						
104									0						
105	6	100%			Greenish-gray	Saturated	Sand with minor silt clay	Soft, 30-50% black grains, some up to 2 mm, course quartz grains in matrix, mudstone rock fragments up to 5" diameter, few shell fragments	0						
106									0						
107					Medium greenish gray		Silt and minor clay	Minor shell fragments and quartz grains, stiff, moderately consolidated	0						
108									0						
109									0						
110									0						
111			GW		Light gray	Moist	Silty Clayey Matrix	Very stiff, large mudstone rock fragments with embedded black grains approx 4" diameter	0						
112									0						
113									0						
114									0						
115	7	100%	SP		Light to medium gray green		Sand with silt and clay	Stiff, moderately consolidated, few course quartz grains, minor shell fragments	0						
116									0						
117									0						
118									0						
119									0						
120									0						
121									0						
122									0						
123									0						

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	**BORING No.:**	SB-02
PROJECT NUMBER:	112G00131	**DATE:**	6/17/2006
DRILLING COMPANY:	Prosonic	**GEOLOGIST:**	Gary Braganza
DRILLING METHOD:	Sonic	**CONVERTED TO WELL:**	Yes: X No:
DRILLER:	Fred Kraus	**WELL ID:**	OLD-13-67D on 06/27/06

Depth (ft bgs)*	RUN		LITHOLOGY							GW (ppb)			Soil (ppb)		
	No.	% Recovery	USCS		Color	Moisture	Primary Description	Secondary Description	PID	Sample ID	Color-Tec	Laboratory	Sample ID	Color-Tec	Laboratory
124									0						
125	8	100%	SC		Greenish-gray	Moist	Clayey Sand with few quartz grains,1-2 mm	Few black grains, very stiff, moderate to well consolidated	0						
126									0						
127									0						
128									0						
129									0						
130			SP		Light Gray		Sand with clay and silt	Numerous black grains, stiff to very stiff, moderately consolidated, minor rock fragments	0						
131									0						
132			SW		Gray	Wet	Sand	Fine to medium grained, abundant quartz and black grains, unconsolidated (opened core and fell apart), few mudstone fragments, 1-2 cm diameter	0						
133									0						
134									0						
135	9	100%	SP		Greenish-gray	Dry	Sand increasing silt and clay with depth	Soft, increasing to stiff, numerous black grains, moderately consolidated	0						
136									0						
137									0						
138									0						
139									0						
140									0						
141									0						
142			CL		Dark greenish-gray	Damp	Clay	Very stiff, well consolidated	0						
143									0						
144									0						
145									0						
146									0						
147									0						
148									0						
149									0						
150									0						
151									0						
152									0						
153									0						
154									0						

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	**BORING No.:**	SB-07
PROJECT NUMBER:	112G00131	**DATE:**	7/2/2006
DRILLING COMPANY:	Prosonic	**GEOLOGIST:**	Gary Braganza
DRILLING METHOD:	Sonic	**CONVERTED TO WELL:**	Yes: X No:
DRILLER:	Fred Kraus	**WELL ID:**	OLD-13-68D on 07/10/06

Depth (ft bgs)*	RUN		LITHOLOGY							GW (ppb)			Soil (ppb)		
	No.	% Recovery	USCS		Color	Moisture	Primary Description	Secondary Description	PID	Sample ID	Color-Tec	Laboratory	Sample ID	Color-Tec	Laboratory
55	1	100%	SM		Gray brown	Wet	Sand with silt and clay	Poorly consolidated							
56			CL		Dark greenish-gray	Dry	Clay with minor silt	Dry and fissle,well consolidated,stiff to very stiff							
57															
58															
59															
60															
61															
62					Light greenish-gray	Damp	Clay with minor silt and fine sand	Abundant shell fragments,stiff,well consolidated							
63															
64															
65	2	70%													
66															
67															
68			OTHER			Saturated	Coquina hash increasing clay with depth	Some large bivalve shell fragments, unconsolidated							
69															
70															
71															
72															
73															
74															
75	3	100%													
76															
77															
78			CL		Dark greenish-gray	Dry	Clay with fine sand and silt	Increasing sand with depth, fissle, well consolidated, stiff, low plasticity, minor shell fragments							
79															
80															
81															
82															
83			SC			Damp	Sand medium to fine grained	Few shell fragments, unconsolidated							
84															
85	4	100%													
86															
87							Sand fine to silty with increasing clay content with depth	Abundant shell fragments, some 2-3 cm diameter, well consolidated, damp							
88															
89															
90															
91															
92			SM			Moist	SILT with very fine sand	With silt, poorly consolidated							
93															
94															

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	**BORING No.:**	SB-07
PROJECT NUMBER:	112G00131	**DATE:**	7/2/2006
DRILLING COMPANY:	Prosonic	**GEOLOGIST:**	Gary Braganza
DRILLING METHOD:	Sonic	**CONVERTED TO WELL:**	Yes: X No: ____
DRILLER:	Fred Kraus	**WELL ID:**	OLD-13-68D on 07/10/06

Depth (ft bgs)*	RUN		LITHOLOGY							GW (ppb)			Soil (ppb)		
	No.	% Recovery	USCS		Color	Moisture	Primary Description	Secondary Description	PID	Sample ID	Color-Tec	Laboratory	Sample ID	Color-Tec	Laboratory
95	5	100%	SC		Greenish grey	Damp	Sand with silt and clay	Increasing clay with depth, well consolidated, stiff, abundent phosphate grains - angular to sub angular							
96															
97															
98															
99															
100															
101															
102															
103															
104															
105	6	100%													
106															
107															
108															
109															
110															
111															
112					Light greenish grey	Moist	Clay with fine sand and silt	Increasing clay content with depth, well consolidated, stiff, abundent quartz and phospate grains							
113															
114															
115	7	100%													
116															
117															
118															
119			SP		Grey	Wet	Sand - well graded	Sand, unconsolidated, numerous quartz and phosphate grains, few shell fragments							
120															
121															
122			SC		Light grey green	Damp	Clay with silt and very fine sand	Fine sand and silt in clay matrix,well consolidated,stiff,fissle at 123 ft,abundent black phosphate and quartz grains -angular to sub-angular							
123															
124															
125	8	100%													
126															
127															
128			CL		Dark green	Dry	Clay with fine sand and silt	Clay, fissled, well consolidated, very stiff, minor quartz grains							
129															
130															
131															
132															
133															
134															
135															
136															
137															
138															
139															
140															
141															
142															
143															
144															
145															
146															
147															
148															

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	**BORING No.:**	SB-05
PROJECT NUMBER:	112G00131	**DATE:**	6/29/2006
DRILLING COMPANY:	Prosonic	**GEOLOGIST:**	Gary Braganza
DRILLING METHOD:	Sonic	**CONVERTED TO WELL:**	Yes: X No:
DRILLER:	Fred Kraus	**WELL ID:**	OLD-13-69D on 07/12/06

Depth (ft bgs)*	RUN		LITHOLOGY							GW (ppb)			Soil (ppb)		
	No.	% Recovery	USCS		Color	Moisture	Primary Description	Secondary Description	PID	Sample ID	Color-Tec	Laboratory	Sample ID	Color-Tec	Laboratory
55	1	70%	SM		Gray to dark-gray	Moist	Sand fine to silty	Well sorted, unconsolidated, minor quartz grains	0						
56									0						
57									0						
58									0						
59									0						
60									0						
61									0						
62									0						
63									0						
64									0						
65	2	30%	CL		dark greenish-gray		Clay with minor silt and fine sand	Well consolidated, medium plasticity, stiff	0						
66									0						
67									0						
68			-NA-		Lost Interval				0						
69									0						
70									0						
71									0						
72									0						
73									0						
74									0						
75	3	100%	CL		Dark greenish-gray	Moist	Clay with minor silt and fine sand	Well consolidated, medium plasticity, stiff	0						
76									0						
77			SC		Grayish-green		Clayey sand	Moderately consolidated, turning unconsolidated with depth, slightly plastic, soft	0						
78									0						
79									0						
80									0						
81									0						
82									0						
83									0						
84			GW		Light greenish-gray	Wet	Gravel in fine sand-silty matrix	Few fines, unconsolidated, increasing shell fragments and clay content with depth	0						
85	4	100%							0						
86									0						
87									0						
88									0						
89									0						
90			SP		Dark greenish-gray	Moist	Sand fine to silty	Soft, unconsolidated, few shell fragments	0						
91									0						
92									0						
93									0						
94									0						
95	5	100%							0						
96									0						
97									0						
98									0						
99									0						
100			GC		Light greenish-gray	Damp	Gravel with sand-clay mix	Well consolidated, stiff	0						
101									0						
102									0						
103			-NA-		Light greenish-gray	Wet	Other	Coquina hash in sand matrix, fine to medium grain	0						
104			GC		Light greenish-gray	Damp	Gravel with sand-clay mix	Well consolidated, stiff	0						

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	**BORING No.:**	SB-05
PROJECT NUMBER:	112G00131	**DATE:**	6/29/2006
DRILLING COMPANY:	Prosonic	**GEOLOGIST:**	Gary Braganza
DRILLING METHOD:	Sonic	**CONVERTED TO WELL:**	Yes: X No:
DRILLER:	Fred Kraus	**WELL ID:**	OLD-13-69D on 07/12/06

Depth (ft bgs)*	RUN		LITHOLOGY							GW (ppb)			Soil (ppb)		
	No.	% Recovery	USCS		Color	Moisture	Primary Description	Secondary Description	PID	Sample ID	Color-Tec	Laboratory	Sample ID	Color-Tec	Laboratory
105	6	100%	SP		Grayish-green	Moist	Sand with silt and clay	Soft, moderately consolidated	0						
106									0						
107									0						
108									0						
109									0						
110			GW		Gray	Moist	Gravelly sand	Increasing clay and silt with depth,mudstone fragments 1-2 cm diameter,stiff,well consolidated	0						
111									0						
112									0						
113									0						
114									0						
115	7	100%	SP		Light greenish-gray	Dry	Sand - poorly graded	Fine grained,silty with minor clay,stiff,well consolidated	0						
116									0						
117									0						
118			GW		Light grayish green darker with depth	Wet	Gravelly sand with fine grained silt and minor clay	Increasing clay content and degree of consolidation with depth,moderately consolidated,mudstone fragments 1-2 cm diameter,medium to coarse grain sand lens @ 121' approx. 2" thickness (moist sand) with abundant black grains	0						
119									0						
120									0						
121									0						
122									0						
123									0						
124									0						
125	8	100%							0						
126									0						
127			CL		Dark greenish-gray	Dry	Clay with minor silt and fine sand	Dry and fissle,very stiff,well consolidated	0						
128									0						
129									0						
130									0						
131									0						
132									0						
133									0						
134									0						
135									0						
136									0						
137									0						
138									0						
139									0						
140									0						
141									0						
142									0						
143									0						
144									0						
145									0						
146									0						
147									0						
148									0						
149									0						
150									0						

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	**BORING No.:**	SB-06
PROJECT NUMBER:	112G00131	**DATE:**	7/1/2006
DRILLING COMPANY:	Prosonic	**GEOLOGIST:**	Gary Braganza
DRILLING METHOD:	Sonic	**CONVERTED TO WELL:**	Yes: X No:
DRILLER:	Fred Kraus	**WELL ID:**	OLD-13-70D on 07/13/06

Depth (ft bgs)*	RUN		LITHOLOGY							GW (ppb)			Soil (ppb)		
	No.	% Recovery	USCS		Color	Moisture	Primary Description	Secondary Description	PID	Sample ID	Color-Tec	Laboratory	Sample ID	Color-Tec	Laboratory
55	1	100%	SM		Grayish-brown turning darker gray with depth	Moist	Sand fine to silty with increasing clay content with depth	Increasing clay content from 60'-65', consolidation increasing with depth to moderately consolidated							
56															
57															
58															
59															
60															
61															
62															
63															
64															
65	2	50%	SC		Grayish-green		Clayey sand with fine sand and silt increasing clay content with depth	Soft, well consolidated, moderate plasticity							
66															
67															
68															
69															
70															
71															
72															
73															
74	3	100%	CL		Dark green	Dry	Clay with minor silt and fine sand	Stiff, well consolidated							
75															
76															
77															
78															
79															
80			SC		Dark greenish-gray	Moist	Clayed sand fine to medium grained increasing clay content with depth	Soft, moderately consolidated, slightly plastic							
81															
82															
83															
84															
85	4	100%													
86															
87							Clayey sand fine to medium grained	Numerous shell fragments (bi-valve) 2-3 cm diameter							
88															
89			SP				Sand with minor silt and clay decreasing with depth	Few shell fragments, soft, poorly consolidated							
90															
91															
92															
93															
94															
95	5	100%													
96															
97															
98															
99			GW		Dark greenish-gray turning light gray brown wth depth	Wet	Gravelly sand with minor clay	Shell and mudstone fragments, numerous quartz grains, moderately consolidated							
100															
101															
102															
103															
104															

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	**BORING No.:**	SB-06
PROJECT NUMBER:	112G00131	**DATE:**	7/1/2006
DRILLING COMPANY:	Prosonic	**GEOLOGIST:**	Gary Braganza
DRILLING METHOD:	Sonic	**CONVERTED TO WELL:**	Yes: X No:
DRILLER:	Fred Kraus	**WELL ID:**	OLD-13-70D on 07/13/06

Depth (ft bgs)*	RUN		LITHOLOGY							GW (ppb)			Soil (ppb)		
	No.	% Recovery	USCS		Color	Moisture	Primary Description	Secondary Description	PID	Sample ID	Color-Tec	Laboratory	Sample ID	Color-Tec	Laboratory
105	6	100%	SW		Greenish-gray turning gray with depth	Moist	Sand with silt and minor gravel and clay	Poorly consolidated, soft, few shell fragments							
106															
107															
108															
109															
110			GP		Gray	Wet	Gravel-sand mix	Numerous quartz and black phosphate grains, abundant shell fragments, coquina hash zone (wet) from 11.5' -112', soft, unconsolidated							
111															
112			SC		Light greenish-gray	Moist	Sand fine to silty	Stiff, moderately consolidated							
113															
114															
115	7	100%													
116															
117															
118															
119															
120															
121															
122															
123															
124			SP		Gray	Wet	Sand medium to fine grained	Unconsolidated, abundant black phosphate grains, soft							
125	8	100%	GW		Greenish-gray		Gravelly sand with fine grained silt and minor clay	Moderately consolidated, mudstone fragments 1-2 cm diameter	0						
126									0						
127									0						
128			CL		Dark greenish-gray	Dry	Clay with fine sand and silt	Dry and fissle, well consolidated, stiff	0						
129									0						
130									0						
131									0						
132									0						
133									0						
134									0						
135									0						
136									0						
137									0						
138									0						
139									0						
140									0						
141									0						
142									0						
143									0						
144									0						
145									0						
146									0						
147									0						
148									0						
149									0						
150									0						
151									0						
152									0						
153									0						
154									0						

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	**BORING No.:**	SB73C
PROJECT NUMBER:	112G00606	**DATE [1]:**	01/09/08
DRILLING COMPANY:	Renegade	**GEOLOGIST:**	Gary Braganza
DRILLING METHOD:	direct push technology	**CONVERTED TO WELL:**	Yes: No: X
DRILLER:	matt	**WELL ID:**	completed in adjacent boring

	Depth (ft bgs)[1]	RUN No.	RUN % Recovery	LITHOLOGY USCS	Color	Moisture	Soil Density	Primary Description	Secondary Description	PID[2]	GW Sample ID	GW Laboratory[3]	Soil Sample ID	Soil Laboratory[4]
OLD-13-71A	1													
	2	1	hand augered	GW	dark brown	saturated	very loose	sand	medium to coarse grained, organic secondaries					
	3													
	4								medium to fine grained, organic secondaries, well sorted					
	5									0				
	6	2	90%	SP	dark brown	moist	loose	sand	medium to fine grained, organic secondaries, well sorted		NTC13GX730711			
	7													
	8													
	9													
	10						very dense		well cemented	0				
	11	3	80%	SP	reddish brown	moist to dry	very dense	sand	fine grained, well cemented					
	12													
	13													
	14													
	15									0				
OLD-13-72B	16	4	NO SAMPLE COLLECTED, AUGERED THROUGH FORMATION								NTC13GX731620			
	17													
	18													
	19													
	20									0				
	21	5	75%	SP	dark brown	moist	medium dense	sand	medium to fine grained, moderately consolidated					
	22													
	23													
	24													
	25									0				
	26	6	NO RECOVERY								NTC13GX732630			
	27													
	28													
	29													
	30													
	31	7	NO RECOVERY											
	32													
	33													
	34													
	35													
	36	8	NO RECOVERY								NTC13GX733640			
	37													
	38													
	39													
	40													
	41	9	75%	SP	green to dark green	moist	loose	sand	medium grained, well sorted, poorly consolidated					
	42													
	43													
	44													
	45									0				
OLD-13-73C	46	10	80%	SP	green to dark green	moist	loose	sand	medium grained, well sorted, poorly consolidated		NTC13GX734650			
	47													
	48													
	49													
	50									0				
	51	11	80%	SP	dark green	saturated	loose	sand	fine grained, well sorted					
	52													
	53													
	54													
	55													
	56	12	80%	SP	dark green	saturated	loose	sand	fine grained, well sorted		NTC13GX735660			
	57													
	58													
	59			CL	dark green	moist	dense	sandy clay	well consolidated					
	60									0				

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	**BORING No.:**	**SB73C**
PROJECT NUMBER:	112G00606	**DATE [1]:**	01/09/08
DRILLING COMPANY:	Renegade	**GEOLOGIST:**	Gary Braganza
DRILLING METHOD:	direct push technology	**CONVERTED TO WELL:**	Yes: No: **X**
DRILLER:	matt	**WELL ID:**	completed in adjacent boring

Depth (ft bgs)[1]	RUN		LITHOLOGY								GW		Soil	
	No.	% Recovery	USCS		Color	Moisture	Soil Density	Primary Description	Secondary Description	PID[2]	Sample ID	Laboratory[3]	Sample ID	Laboratory[4]

Notes:

[1] Data collected from three adjacent borings. Lithology 01/09/08, gw screening sample collected 01/11/08, soil sample collected 01/--/08.

[2] PID readings listed are from scanning of the soil cores, other readings, such as background or worker breathing zones, are not listed.

[3] Laboratory results for gw screening cis-DCE in micrograms per liter (µg/L).

[4] Laboratory results are for soil VOCs in millograms per kilogram (mg/kg).

bgs - below ground surface

CVOC - chlorinated volatile organic compound

PID - photoionization detector

water table

cemented sand layer observed 10 - 15 ft bgs

top of Hawthorn clay observed 59 ft bgs

SOIL CORE

SCREEN INTERVAL

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	**BORING No.:**	SB76
PROJECT NUMBER:	112G00606	**DATE [1]:**	01/08/08
DRILLING COMPANY:	Renegade	**GEOLOGIST:**	Gary Braganza
DRILLING METHOD:	direct push technology	**CONVERTED TO WELL:**	Yes: No: X
DRILLER:	matt	**WELL ID:**	completed in adjacent boring

	Depth (ft bgs)[1]	RUN No.	RUN % Recovery	USCS	Color	Moisture	Soil Density	Primary Description	Secondary Description	PID[2]	GW Sample ID	GW Laboratory[3]	Soil Sample ID	Soil Laboratory[4]
	1	hand auguered												
	2													
OLD-13-74A	3				dark brown	moist	very loose	sand	medium grained, organics, few pebbles and cobbles	0				
	4													
	5													
	6	1	100%	SP	dark brown	moist	loose	sand	medium to fine grained, well sorted, poorly consolidated					
	7													
	8													
	9													
	10													
	11	2	100%	SP	dark brown	moist	medium dense	sand	increasing quartz grains	0	NTC13GX761115			
	12													
	13													
	14				dark reddish brown		very dense		fine grained, well consolidated cemented sand					
	15													
	16	3	100%	SP	dark reddish brown	dry/moist	very dense	sand	fine grained, well consolidated- concrete sand	0				
	17													
OLD-13-75B	18													
	19				orange brown	saturated	medium dense		medium to coarse grained					
	20													
	21	4	80%	SP	orange brown	moist	medium dense	sand	moderately consolidated, well sorted	0	NTC13GX762125			
	22													
	23				dark brown				medium to coarse, well consolidated					
	24													
	25				orange brown				medium to fine grained					
	26	5	80%	SP	orange brown	moist	medium dense	sand	medium to fine grained	0				
	27													
	28													
	29													
	30													
	31	6	100%	SP	orange brown	moist	medium dense	sand	medium to fine grained	0	NTC13GX763135			
	32													
	33													
	34													
	35													
OLD-13-80C	36	7	100%	SP	orange brown	saturated	loose	phosphate sand	numerous phosphate grains and cobbles, medium grained, well sorted	0				
	37													
	38													
	39													
	40													
	41	8	80%	SP	orange brown	saturated	loose	phosphate sand	numerous phosphate grains and cobbles, medium grain, well sorted	0	NTC13GX764145			
	42													
	43													
	44				olive brown			sand	fine grained, few phosphates, well sorted					
OLD-13-76C	45													
	46	9	100%	SP	olive-light green,	saturated	loose	sand	fine grained, poorly consolidated, well sorted	0				
	47													
	48													
	49													
	50													
	51	10	75%	SP	light greenish grey	moist	loose	sand	fine, poorly consolidated, well sorted	0	NTC13GX765458			
	52													
	53													
	54													
	55													
	56	11	80%	SP	light greenish grey	moist	loose	sand	fine, poorly consolidated, well sorted	0				
	57													
	58			CL	dark/medium green	moist/wet	dense	clay	sandy clay/clayey sand, well consolidated, soft					
	59													
	60													

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	**BORING No.:**	**SB76**
PROJECT NUMBER:	112G00606	**DATE [1]:**	01/08/08
DRILLING COMPANY:	Renegade	**GEOLOGIST:**	Gary Braganza
DRILLING METHOD:	direct push technology	**CONVERTED TO WELL:**	Yes: No: **X**
DRILLER:	matt	**WELL ID:**	completed in adjacent boring

Depth (ft bgs)[1]	RUN		LITHOLOGY								GW		Soil	
	No.	% Recovery	USCS		Color	Moisture	Soil Density	Primary Description	Secondary Description	PID[2]	Sample ID	Laboratory[3]	Sample ID	Laboratory[4]

Notes:

[1] Data collected from three adjacent borings. Lithology 01/09/08, gw screening sample collected 01/12/08, soil sample collected 01/--/08.

[2] PID readings listed are from scanning of the soil cores, other readings, such as background or worker breathing zones, are not listed.

[3] Laboratory results for gw screening cis-DCE in micrograms per liter (µg/L).

[4] Laboratory results are for soil VOCs in millograms per kilogram (mg/kg).

bgs - below ground surface

CVOC - chlorinated volatile organic compound

PID - photoionization detector

water table

cemented sand layer observed 14 - 18 ft bgs

top of Hawthorn clay observed 58 ft bgs

SOIL CORE

SCREEN INTERVAL

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	**BORING No.:**	SB79
PROJECT NUMBER:	112G00606	**DATE [1]:**	01/08/08
DRILLING COMPANY:	Renegade	**GEOLOGIST:**	Gary Braganza
DRILLING METHOD:	direct push technology	**CONVERTED TO WELL:**	Yes: No: X
DRILLER:		**WELL ID:**	completed in adjacent boring

	Depth (ft bgs)[1]	RUN No.	RUN % Recovery	USCS	Color	Moisture	Soil Density	Primary Description	Secondary Description	PID[2]	GW Sample ID	GW Laboratory[3]	Soil Sample ID	Soil Laboratory[4]
	1													
	2													
	3	1	100%	GW	dark brown	saturated	loose	sand	coarse grained, organic secondaries					
OLD-13-77A	4													
	5									0				
	6													
	7													
	8	2	80%	SP	dark brown to grey	saturated	loose	sand	medium to fine grained well sorted					
	9													
	10													
	11				dark brown to grey	moist	loose	sand	medium to fine grained well sorted	0.2				
	12	3	75%	SP										
	13				dark reddish brown	dry	dense	cemented sand	fine grained, well sorted					
	14													
	15									0				
	16				dark reddish brown	dry		cemented sand	fine grained, well sorted					
	17													
OLD-13-78B	18	4	80%	SP			dense							
	19				lighter brown	moist		sand	indurated, dry, fine to medium grain					
	20					dry				0				
	21													
	22													
	23	5	75%	SP	dark brown	moist	dense	sand	medium to coarse grained moderately consolidated		NTC13GX792024			
	24													
	25									0				
	26				dark brown		dense		medium to coarse grained moderately consolidated					
	27													
	28	6	90%	SP	orange-brown (distinct color change)	moist	medium dense	sand	well sorted, medium to fine grained, moderately consolidated					
	29													
	30									0				
	31													
	32													
	33	7	80%	SP	orange-brown	moist	medium dense	sand	well sorted, medium to fine grained, moderately consolidated		NTC13GX793034			
	34													
	35								numerous phosphate granules less with depth	0				
	36													
	37													
	38	8	80%	SP	orange-brown	saturated	medium dense	sand	phosphate granules and cobbles, well sorted, medium to fine, medium consolidation					
	39													
	40									0				
	41													
	42				orange-brown				phosphate granules and cobbles, well sorted, medium to fine, medium consolidation					
	43	9	80%	SP		saturated	medium dense	sand			NTC13GX794044			
OLD-13-79C	44				olive grey				medium to fine grained well sorted					
	45									0				
	46													
	47													
	48	10	75%	SP	greyish-green	moist	dense	sand	fine grained well sorted, no clay					
	49													
	50													
	51								fine grained well sorted, no clay					
	52	11	80%	SP	grey green	moist	loose	sand			NTC13GX795054			
	53								well sorted, medium to fine grained					
	54													
	55									0				

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC Orlando - Operable Unit 4	**BORING No.:**	**SB79**
PROJECT NUMBER:	112G00606	**DATE [1]:**	01/08/08
DRILLING COMPANY:	Renegade	**GEOLOGIST:**	Gary Braganza
DRILLING METHOD:	direct push technology	**CONVERTED TO WELL:**	Yes: No: **X**
DRILLER:		**WELL ID:**	completed in adjacent boring

Depth (ft bgs)[1]	RUN No.	RUN % Recovery	LITHOLOGY USCS		Color	Moisture	Soil Density	Primary Description	Secondary Description	PID[2]	GW Sample ID	GW Laboratory[3]	Soil Sample ID	Soil Laboratory[4]
56														
57														
58	12	75%	SC		greenish grey	moist	dense	sandy clay, changing to sand	moderately well consolidated					
59														
60														
61											NTC13GX796064			
62														
63	13	90%	CL		green	dry/moist	dense	clay	dry, well consolidated					
64														
65										0				
66														
67														
68														
69														
70														
71											NTC13GX797074			
72														
73														
74										0				
75														
76														
77														
78														
79														
80														
81											NTC13GX798084			
82														
83														
84										0				
85														
86														
87														
88														
89														
90														
91											NTC13GX799094			
92														
93														
94										0				

Notes:
[1] Data collected from three adjacent borings. Lithology 01/08/08, gw screening sample collected 01/09/08, soil sample collected 01/--/08.
[2] PID readings listed are from scanning of the soil cores, other readings, such as background or worker breathing zones, are not listed.
[3] Laboratory results for gw screening cis-DCE in micrograms per liter (µg/L).
[4] Laboratory results are for soil VOCs in millograms per kilogram (mg/kg).

bgs - below ground surface
CVOC - chlorinated volatile organic compound
PID - photoionization detector

water table
cemented sand layer observed 12 - 17 ft bgs
top of Hawthorn clay observed 56 ft bgs
SOIL CORE
SCREEN INTERVAL

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME	NTC ORLANDO OU 4	BORING No.:	SB08
PROJECT NUMBER		DATE:	3/10/2009
DRILLING COMPANY	Boart Longyear	GEOLOGIST:	Allan Jenkins
DRILLING RIG	Mini Sonic	DRILLER:	

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				NO SAMPLE					no soil core				
									0-55' →		0	0	0
55													
	1					lgt. grey	SAND, fine-medium, little	SW	moist, trace	0	0	0	0
					loose		silt, loose, medium silty	SM	fine black grains	0			
			5'				SAND, very fine-fine,	SM		0			
						grn-grey	trace to some silt,			0			
60					loose		loose			0			
	2						same	SM		0	0	0	0
							about 3" interval of 1/3"		moist	0			
			5'				to 1/2" dry hard clay			0			
							frags at 63'			0			
65										0			
	3				m. stiff	dk	same		becomes wet	0			
						grn-grey	clayey SAND at 66'	SC	>PL	0			
			5'		stiff		fine to very fine		moist	0			
						grey-grn	sandy CLAY at 68'	SC-CL	mod. plastic	0			
70							fine			0			
	4				stiff	grey-grn	Sandy CLAY, some silt	CL-SC		0	0	0	0
							very fine sand, finely		moist	0			
			5'			dk. grey	laminated, mottled dark		mod. plastic	0			
						to tan	and light laminae, dry			0			
75							hard clay frags, yel-brn			0			

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NTC ORLANDO OU 4
PROJECT NUMBER:
DRILLING COMPANY: Boart Longyear
DRILLING RIG: Mini Sonic

BORING No.: SB08
DATE: 3/10/2009
GEOLOGIST: Allan Jenkins
DRILLER:

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	5					dk. Grey-grn	sandy CLAY, very fine	SC-CL		0			
							sand, massive bold, some		moist	0			
			5'		stiff		light brown to fine mottled		mod. plastic	0			
							zones or inclusions			0			
80										0			
	6				loose	dk. Grey	SAND, fine-very fine, little	SP	wet, >PL	0			
							silt, massive bold Clayey			0			
			5'			dk. Grn-grey	SAND at 82' very fine to			0			
					mod. stiff		fine massive bold.	SC	moist to wet	0			
85										0			
	7						Clayey SAND, cemented	SC		0			
					mod. stiff	dk. grey-grn	shell hash at 86' ~4", light		moist to wet	0			
			5'				grey to white 20-30%			0			
							broken shell hash 86-90'		lg. shell frag ~3"	0			
90									at ~90'	0			
	8						same to ~92.5', 5-10%			0			
					mod. stiff		shell hash, SAND at 92.5'		moist	0			
			5'			dk. grn-grey	very fine-fine, some silt,			0			
					loose		trace clay			0			
95										0			
	9						Same, some medium ~1-5%			0			
					loose		black grains, very fine grains			0			
			5'						wet, >PL	0			
										0			
100					hard	lgt. grey	Clayey SAND, cemented	SC	few shells	0			

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NTC ORLANDO OU 4
PROJECT NUMBER:
DRILLING COMPANY: Boart Longyear
DRILLING RIG: Mini Sonic

BORING No.: SB08
DATE: 3/10/2009
GEOLOGIST: Allan Jenkins
DRILLER:

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	10				hard	lgt. grey	Clayey SAND to 100.5' is			0			
					loose	dk. grey	cemented, 2" lens of SAND			0			
			5'		stiff	med grn-grey	medium grain, 30% black	SC	moist	0			
							grains, Clayey SAND, silty			0			
105										0			
	11									0			
										0			
			5'							0			
					loose		SAND, fine green, some	SW	moist	0			
110							silt, trace clay			0			
	12					med-lgt grn grey	Clayey SAND, fine-med		moist	0			
					very stiff		grain, few c-grains	SC		0			
			5'							0			
										0			
115										0			
	13				loose	med grey	SAND, very fine, trace		moist-wet	0			
							silt			0			
			5'		very stiff	lgt grey	Clayey SAND, partially		moist-dry	0			
					to loose		cemented, friable, occ			0			
120							hard dry clay frags			0			
	14				very stiff		Clayey SAND, partially	SC	moist	0			
							becomes Sandy CLAY		no cement	0			
			5'							0			
					very stiff		becomes CLAY, little sand	CL	moist	0			
125							massive			0			

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NTC ORLANDO OU 4
PROJECT NUMBER:
DRILLING COMPANY: Boart Longyear
DRILLING RIG: Mini Sonic

BORING No.: SB08
DATE: 3/10/2009
GEOLOGIST: Allan Jenkins
DRILLER:

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
130													

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Stop at 125', hit good clay at 123'=lower Hawthorn Clay

Set two wells, 5' screen each 1" ID screen

Converted to Well: Yes X No Well I.D. #: OLD-13-81D, OLD-13-82D

CH2MHILL

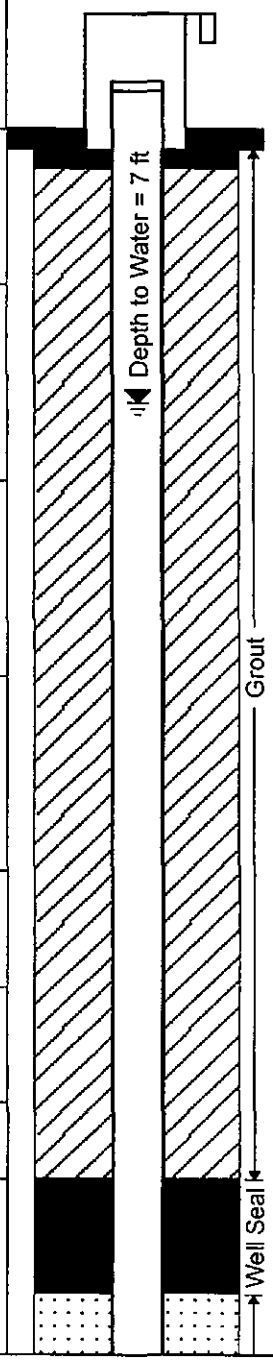
Well Number: OLD-13-DOW5

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date:

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth
-3				Ground Surface	108 / 0
2				Fine SAND (SM), brown, dry to moist, medium-dense	104 / 4
7				Medium to coarse SAND (SP), brown-grey, wet, medium-dense	99 / 9
12				Silty, fine SAND (SM/ML), very dark brown, wet, dense to medium dense	94 / 14
17	1	5-6-6-7		Silty, fine SAND (SM/ML), very dark brown, wet, dense to hard	89 / 19
22	2	19-35-39-50+		Silty, fine SAND (SM/ML), very dark brown, wet, dense to hard	86 / 22
				Hard Layer at 22 to 27 feet bls	83 / 25
	3	16-31-50+		Silty SAND (SM/ML), trace clay, very dark brown, very moist, very dense to hard, partialy cemented	81 / 27
27	4	17-30-28-30		Fine to medium SAND (SM/SP), dark brown, very moist, very dense	

Well Diagram



Well Construction Notes

Wellhead Protection Cover:
4" square steel protective riser
Weep Hole: No
Concrete Pad Dimensions:
2' x 2' x 4"

Diameter/Type of Well Casing:
2" PVC, flush thread

Type/Slot Size of Screen:
2" PVC, flush thread/ 0.010" slot

Type Screen Filter:
20/30 Silica Sand (21 bags)

Type of Seal:
Fine Sand (1 bag)
Bentonite Chips (1 bag)

Grout:
Portland Cement (5% Betonite)
Method of Placement:
Tremie Pipe
Volume of Well Casing Grout:
13 bags

Development Method:
Pump/Surge

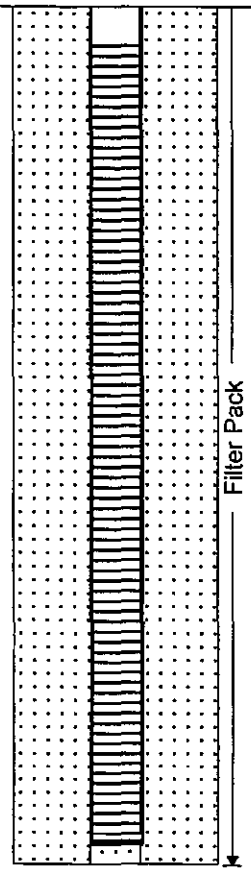
CH2MHILL

Well Number: OLD-13-DOW5

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date:

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
				Medium to coarse SAND (SP), orange-brown, very moist, dense	74 / 34		
36							
41							
46							
51					56 / 52		
				End of Log			
56							
61							



CH2MHILL

PROJECT NUMBER	BORING ID:	
161919	DOW-09	Sheet 1 of 3

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 108.24 NORTHING: 1536879.32 EASTING: 544846.36 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/11/2002 END: 11/11/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# (SS=Split Spoon, ST=Shelby Tube)	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0		0%	SS		No recovery	
0.5						
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5			SS		2.5Y 3/1 Reddish brown, moist to wet, loose, very fine to medium sand, little silt, no odor	
5.5						
6						
6.5						
7						
7.5						
8						
8.5						
9						
9.5						
10		100%	SS		2.5Y 4/1 Dark gray, wet, loose, very fine to medium sand, some silt, no odor	Headspace = 5.2 ppm
10.5						
11						
11.5						
12						
12.5						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: DOW-09	Sheet 2 of 3

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 108.24 NORTHING: 1536879.32 EASTING: 544846.36 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/11/2002 END: 11/11/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# (SS-Split Spoon, ST-Shelby Tube)	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
13						
13.5						
14						
14.5						
15		92%	SS		2.5Y 3/1 Very dark gray, wet, loose, very fine to medium sand, some silt, no odor	Headspace = 1.6 ppm
15.5						
16						
16.5						
17		100%	SS	x-4-12-18	10YR 3/2 Very dark grayish brown, wet, slightly dense to medium dense, very fine to medium sand, grades into very fine to fine silty sand at 19', no odor	PID over split spoon = 1.2 ppm Headspace = 1.2 ppm
17.5						
18						
18.5						
19		92%	SS	x-11-16-18	10YR 4/2 Dark grayish brown, wet, medium dense, very fine to medium silty sand, no odor, hard dense sand from 19.5' to 22' bgs	PID over split spoon = 0.0 ppm Headspace = 0.0 ppm
19.5						
20						
20.5						
21						
21.5						
22		100%	SS	x-11-14-17	10YR 4/2 Dark grayish brown, wet, loose, very fine to medium sand, little silt, no odor	PID over split spoon = 0.0 ppm Headspace = 1.8 ppm
22.5						
23						
23.5						
24			SS	x-17-7-8	10YR 4/3 Brown, wet, loose, very fine to medium sand, little silt, no odor	PID over split spoon = 0.1 ppm Headspace = 0.8 ppm
24.5						
25						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: DOW-09	Sheet 3 of 3

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 108.24 NORTHING: 1536879.32 EASTING: 544846.36 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/11/2002 END: 11/11/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS-Split Spoon ST-Shelby Tube	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
25.5						
26		---	SS	x-5-6-8	10YR 4/3 Brown, wet, loose, very fine to medium sand, little silt, no odor	PID over split spoon = 0.2 ppm Headspace = 0.6 ppm
26.5						
27						
27.5						
28		---	SS	x-4-6-7	10YR 3/2 Very dark grayish brown, wet, loose, very fine to medium sand, little silt, coarse sand layer at 29.8' - 30'	PID over split spoon = 0.0 ppm Headspace = 1.3 ppm
28.5						
29						
29.5						
30						
30.5						
31						

CH2MHILL

PROJECT NUMBER	BORING ID:	
161919	DOW-10	Sheet 1 of 3

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 108.28 NORTHING: 1536816.38 EASTING: 544844.32 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/14/2002 END: 11/14/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS=Spit Spoon ST=ShelbyTube	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0						
0.5						
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
8						
8.5						
9						
9.5						
10						
10.5						
11						
11.5						
12						
12.5						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: DOW-10	Sheet 2 of 3

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 108.28 NORTHING: 1536816.38 EASTING: 544844.32 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/14/2002 END: 11/14/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# (SS=Split Spoon ST=ShelbyTube)	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
13						
13.5						
14						
14.5						
15						
15.5						
16						
16.5						
17		67%	SS	x-4-4-4	10YR 3/1 Very dark gray, wet, loose, very fine to medium sand, some silt, no odor	PID over split spoon = 0.0 ppm Headspace = 13.0 ppm
17.5						
18						
18.5						
19		0%	SS	x-10-8-11	No recovery	
19.5						
20						
20.5						
21		83%	SS	x-15-26-50	10YR 3/2 Very dark grayish brown, wet, medium dense, very fine to fine silty sand, no odor	PID over split spoon = 0.0 ppm Headspace = 5.6 ppm Hard sand 21.5' to 25' bgs
21.5						
22						
22.5						
23		67%	SS	x-16-19-17	10YR 4/2 Dark grayish brown, wet, slightly dense to medium dense, very fine to medium sand, some silt, no odor	PID over split spoon = 0.8 ppm Headspace = 52.5 ppm
23.5						
24						
24.5						
25		75%	SS	x-2-13-32	7.5YR 3/3 Dark brown, wet, loose, very fine to medium sand, little silt, no odor	PID over split spoon = 0.8 ppm Headspace = 63.7 ppm

CH2MHILL	PROJECT NUMBER 161919	BORING ID: DOW-10	Sheet 3 of 3

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 108.28 NORTHING: 1536816.38 EASTING: 544844.32 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/14/2002 END: 11/14/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS=Split Spoon ST=ShelbyTube	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
25.5						
26						
26.5						
27						
27.5						
28						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: DOW-11	Sheet 1 of 3

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 107.64 NORTHING: 1536788.99 EASTING: 544840.43 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/15/2002 END: 11/15/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS=Split Spoon ST=Shelby Tube	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0						
0.5						
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
8						
8.5						
9						
9.5						
10						
10.5						
11						
11.5						
12						
12.5						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: DOW-11	Sheet 2 of 3

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 107.64 NORTHING: 1536788.99 EASTING: 544840.43 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/15/2002 END: 11/15/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# (SS=Split Spoon ST=ShelbyTube)	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
13						
13.5						
14						
14.5						
15						
15.5						
16						
16.5						
17		67%	SS	x-2-5-6	10YR 3/1 Very dark gray, wet, loose, very fine to medium sand, some silt, no odor	PID over split spoon = 0.0 ppm Headspace = 0.0 ppm
17.5						
18						
18.5						
19		83%	SS	x-14-10-6	10YR 3/1 Very dark gray, wet, loose, very fine to medium sand, some silt, no odor	PID over split spoon = 0.0 ppm Headspace = 0.0 ppm
19.5						
20						
20.5						
21		100%	SS	x-4-7-13	10YR 3/2 Very dark grayish brown, wet, loose then medium dense at 22.5', very fine to fine silty sand, no odor	PID over split spoon = 0.0 ppm Headspace = 0.0 ppm
21.5						
22						
22.5						
23		92%	SS	x-25-50+	10YR 3/2 Very dark grayish brown, wet, medium dense at 22.5', very fine to fine silty sand, no odor	PID over split spoon = 0.0 ppm Headspace = 0.0 ppm Hard sand 22.5' to 26.5' bgs
23.5						
24						
24.5						
25		75%	SS	x-37-50+	7.5YR 3/2 Dark brown, medium dense then loose at 26.4', very fine to medium sand, some silt	PID over split spoon = 0.0 ppm Headspace = 0.0 ppm

CH2MHILL	PROJECT NUMBER 161919	BORING ID: DOW-11	Sheet 3 of 3

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 107.64 NORTHING: 1536788.99 EASTING: 544840.43 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/15/2002 END: 11/15/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS=Split Spoon ST=ShelbyTube	STANDARD PENETRATION TEST RESULTS 6-6-6 (In) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
25.5						
26						
26.5						
27						
27.5						
28						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: DOW-12	Sheet 1 of 2

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 107.39 NORTHING: 1536836.97 EASTING: 544797.75 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/14/2002 END: 11/14/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS=Split Spoon ST=Shelby Tube	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0		---	SS		Soil Description is same as SOW-14	
0.5						
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
8						
8.5						
9						
9.5						
10						
10.5						
11						
11.5						
12						
12.5						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: DOW-12	Sheet 2 of 2

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 107.39 NORTHING: 1536836.97 EASTING: 544797.75 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/14/2002 END: 11/14/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS=Split Spoon ST=ShelbyTube	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
13						
13.5						
14						
14.5						
15						
15.5						
16						
16.5						
17		83%	SS	x-40-50+	10YR 3/2 Very dark grayish brown, wet, medium dense, very fine to fine silty sand, no odor	PID over split spoon = 0.0 ppm Headspace = 18.6 ppm
17.5						
18						
18.5						
19		83%	SS	x-23-18-23	10YR 3/2 Very dark grayish brown, medium dense grading into slightly dense, very fine to medium sand, little to some silts, no odor	PID over split spoon = 0.2 ppm Headspace = 31.8 ppm
19.5						
20						
20.5						
21		58%	SS	x-5-7-9	10YR 3/2 Very dark grayish brown,slightly dense, very fine to medium sand, little silt, no odor	PID over split spoon = 0.2 ppm Headspace = 35.7 ppm
21.5						
22						
22.5						
23						
23.5						
24						

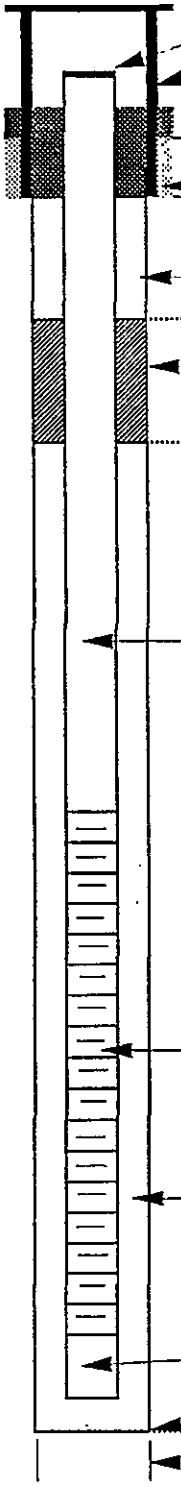
AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.		WELL NO.: OW-6
JOB NO.: T7027.12	SITE: OU-4, Orlando, FL		COORDINATES: 1536869.215N, 544695.369E
BEGUN: 11/21/97	COMPLETED: 11/21/97	PREPARED BY: R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS: Top of PVC 108.07

GENERALIZED GEOLOGIC LOG

0 - 12.0 ft, Sand (SP)
Medium dark grey (N4), fine to med grained, loose, rounded, clear quartz grains, tr silt wet at 2.5 ft bls.



	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	2.8	108.07
4-in Protective Casing with Cover and Lock	0.5	105.77
2X2 ft Concrete pad	0.0	105.27
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	104.27
#00N Morie Sandbridge (1.0 - 2.0 ft bls)	2.0	103.27
3/8 in bentonite tablets (2.0 - 4.0 ft bls)	4.0	101.27
2-inch Sch. 40 PVC Riser Casing	6.3	98.97
2-inch Sch. 40 PVC 10 slot Slotted Screen (6.3-11.3 ft bls)		
#1 Morie Filterpack (4.0-12.0 ft bls)	11.3	93.97
2 in Sch. 40 Sump (11.3-11.6 ft bls)	11.6	93.67
Bottom of Borehole (12.0 ft bls)	12.0	93.27

Bore hole DIA: 8 inch

Not to Scale

SBP Technologies, Inc.

AS-BUILT

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.	WELL NO.: OW-7

JOB NO.	SITE	COORDINATES
T7027.12	OU-4, Orlando, FL	1536867.855N, 544699.410E

BEGUN	COMPLETED	PREPARED BY	REFERENCE POINT FOR MEASUREMENTS
11/21/97	11/21/97	R.J. Desrosiers	Top of PVC 107.83

GENERALIZED GEOLOGIC LOG

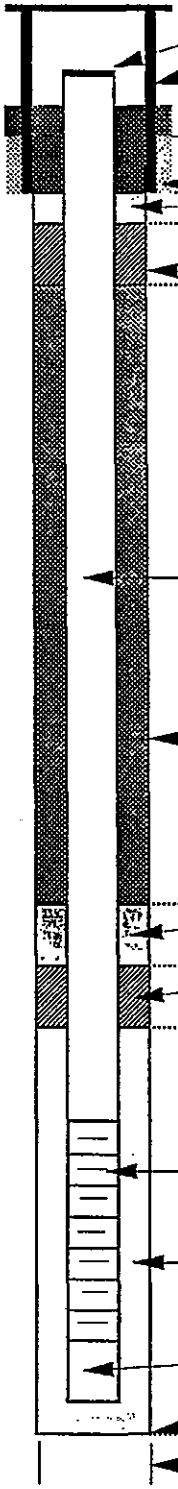
0 - 16.5 ft, Sand (SP)
Medium dark grey (N4), fine to med grained, loose, rounded, clear quartz grains, tr silt wet at 2.5 ft bls.

16.5 - 23.0 ft, Sand (SP)
Brownish black (5YR 2/1), fine to medium grained, rounded, clear, quart grains, tr. silt.

23.0 - 41.0 ft, Sand (SP)
Grayish brown (5YR 3/2) v fine to medium grained, loose, rounded, clear quartz grains, tr. silt.

Lightly cemented silt & sand 35-40 ft bls

41.0 - 45.0 ft, Sand (SW)
Dark yellowish brown (10YR 4/2), fine to coarse grained, sub-rounded, mostly clear quartz grains, trace opaque & dark grains trace silt.



	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	2.6	107.83
4-in Protective Casing with Cover and Lock	0.5	105.78
2X2 ft Concrete pad	0.0	105.28
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	104.28
#00N Morie Sandbridge (1.0 - 1.5 ft bls)	1.5	103.78
1/4 in bentonite tablets (1.5 - 2.5 ft bls)	2.5	102.78
2-inch Sch. 40 PVC Riser Casing		
Cement/Bentonite Grout (2.5-34.0 ft bls)		
	33.0	72.28
#00N Morie Sandbridge (34.0-35.0 ft bls)		
	34.0	71.28
1/4 in bentonite tablets (35.0-37.0 ft bls)		
	37.0	68.28
	39.5	65.78
2-inch Sch. 40 PVC 10 slot Slotted Screen (40.0-45.0 ft bls)		
#1 Morie Filterpack (37.0-45.3 ft bls)		
	44.5	60.78
2 in Sch. 40 Sump (45.0-45.3 ft bls)		
	44.8	60.48
Bottom of Borehole (45.3 ft bls)	45.0	60.28
Bore hole DIA: 8 inch		

Not to Scale

AS-BUILT

SBP Technologies, Inc.

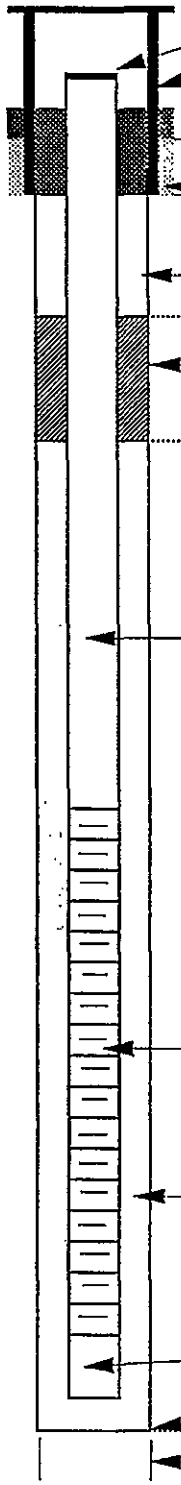
MONITORING WELL	PROJECT Bechtel Naval Training Center Site.	WELL NO. OW-8

JOB NO.	SITE	COORDINATES
T7027.12	OU-4, Orlando, FL	1536849.945N, 544695.062E

BEGUN	COMPLETED	PREPARED BY	REFERENCE POINT FOR MEASUREMENTS
11/20/97	11/20/97	R.J. Desrosiers	Top of PVC 107.54

GENERALIZED GEOLOGIC LOG

<u>0 - 16.0 ft. Sand (SP)</u>
Medium dark grey (N4), fine to med grained, loose, rounded, clear quartz grains, tr silt wet at 2.5 ft bls.



	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	2.6	107.54
4-in Protective Casing with Cover and Lock	0.5	105.41
2X2 ft Concrete pad	0.0	104.91
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	104.28
#00N Morie Sandbridge (1.0 - 2.0 ft bls)	2.0	103.78
3/8 in bentonite tablets (2.0 - 4.0 ft bls)	4.0	102.78
2-inch Sch. 40 PVC Riser Casing	6.2	98.71
2-inch Sch. 40 PVC 10 slot Slotted Screen (6.2-11.2 ft bls)	11.2	60.78
#1 Morie Filterpack (4.0-12.0 ft bls)	11.5	60.48
2 in Sch. 40 Sump (11.2-11.5 ft bls)	12.0	60.28
Bottom of Borehole (12.0 ft bls)		

Bore hole DIA: 8 inch

Not to Scale

AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.		WELL NO.: OW-9
JOB NO.: T7027.12	SITE: OU-4, Orlando, FL	COORDINATES: 1536849.624N, 544699.660E	
BEGUN: 11/20/97	COMPLETED: 11/20/97	PREPARED BY: R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS: Top of PVC 107.72

GENERALIZED GEOLOGIC LOG

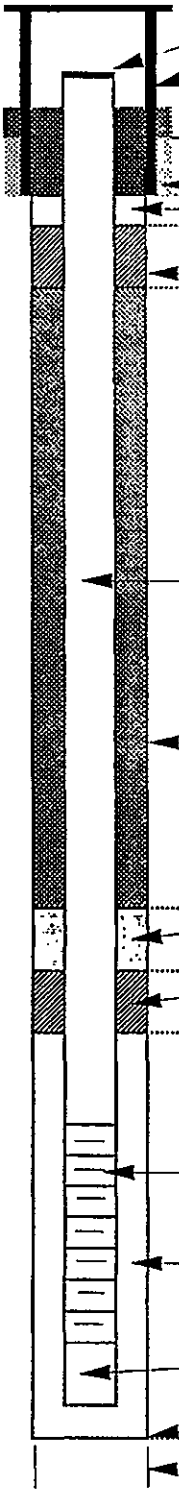
0-17 ft, Sand (SP)
Medium dark grey (N4), fine to medium grained, loose, rounded, clear quartz grains, tr silt wet at 2.5 ft bls.

17 - 22.5 ft, Sand (SP)
Dark yellowish brn (10YR 4/2) to dusky yellowish brn (10YR 2/2), fine grained, dense, slightly cemented, rounded, tr silt, clear quartz grains.

22.5-28.0 ft, Sand (SP)
Grayish brown (5YR 3/2) v fine to medium grained, loose, rounded, clear quartz grains, tr. silt.

28 - 45 ft, Sand (SW)
Moderate yellowish brown (10YR 5/4), f. to very coarse grained, loose, rounded, clear quartz grains, trace silt, slightly cemented with nodules.

Color change @ 42.0 ft bls to bmish gray



	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	0.6	107.72
4-in Protective Casing with Cover and Lock	0.5	105.59
2X2 ft Concrete pad	0.0	105.09
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	104.09
#00N Morie Sandbridge (1.0 - 1.5 ft bls)	1.5	103.59
1/4 in bentonite tablets (1.5 - 2.5 ft bls)	2.5	102.59
2-inch Sch. 40 PVC Riser Casing		
Cement/Bentonite Grout (2.5-34.5 ft bls)		
	34.5	70.59
#00N Morie Sandbridge (34.5-35.5 ft bls)	35.5	69.59
1/4 in bentonite tablets (35.5-37.5 ft bls)	37.5	67.59
	39.4	65.69
2-inch Sch. 40 PVC 10 slot Slotted Screen (39.4-44.4 ft bls)		
#1 Morie Filterpack (37.5-45.0 ft bls)		
	44.4	60.69
2 in Sch. 40 Sump (44.4-44.7 ft bls)	44.7	60.39
Bottom of Borehole (45.0 ft bls)	45.0	60.09

Bore hole DIA: 8 inch

Not to Scale

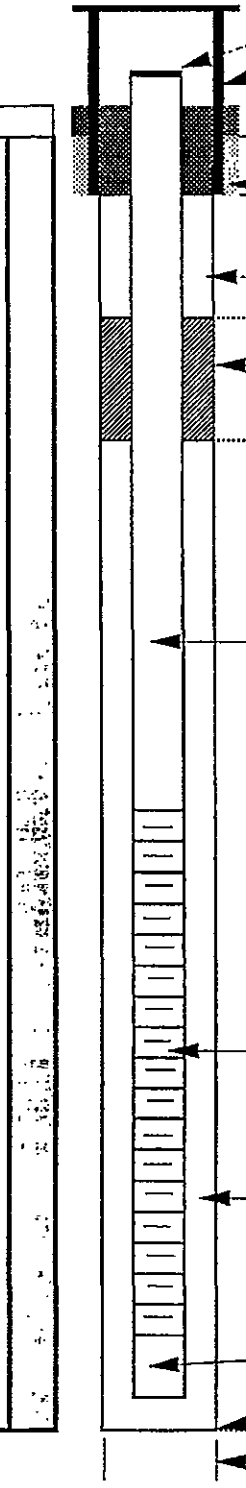
AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.		WELL NO.: OW-10
JOB NO.: T7027.12	SITE: OU-4, Orlando, FL	COORDINATES: 1536835.402N, 544693.616E	
BEGUN: 11/20/97	COMPLETED: 11/20/97	PREPARED BY: R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS: Top of PVC 107.70

GENERALIZED GEOLOGIC LOG

0 - 13.0 ft, Sand (SP)
Medium dark grey (N4), fine to med grained, loose, rounded, clear quartz grains, tr silt wet at 2.5 ft bls.



	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	2.8	107.7
4-in Protective Casing with Cover and Lock	0.5	105.49
2X2 ft Concrete pad	0.0	104.99
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	103.99
#00N Morie Sandbridge (1.0 - 2.0 ft bls)	2.0	102.99
1/4 in bentonite tablets (2.0 - 4.0 ft bls)	4.0	100.99
2-inch Sch. 40 PVC Riser Casing	6.4	98.59
2-inch Sch. 40 PVC 10 slot Slotted Screen (6.2-11.2 ft bls)	11.4	93.59
#1 Morie Filterpack (4.0-12.0 ft bls)	11.7	93.29
2 in Sch. 40 Sump (11.2-11.5 ft bls)	13.0	91.99
Bottom of Borehole (12.0 ft bls)		
Bore hole DIA: 8 inch		

Not to Scale

AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.	WELL NO.: OW-11

JOB NO.	SITE	COORDINATES
T7027.12	OU-4, Orlando, FL	1536833.757N, 544698.596E

BEGUN	COMPLETED	PREPARED BY	REFERENCE POINT FOR MEASUREMENTS
11/20/97	11/20/97	R.J. Desrosiers	Top of PVC 107.71

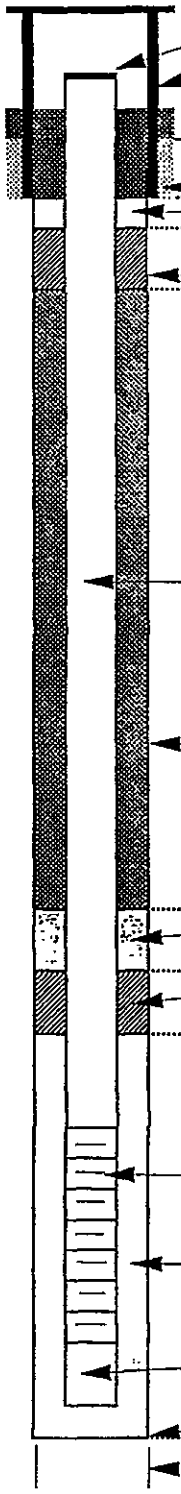
GENERALIZED GEOLOGIC LOG

0 - 16.0 ft, Sand (SP)
Medium dark grey (N4), fine to med grained, loose, rounded, clear quartz grains, tr silt wet at 2.5 ft bls.

16.0 - 21.0 ft, Sand (SP)
Dark yellowish brn (10YR 4/2) to dusky yellowish brn (10YR 2/2), fine grained, dense, slightly cemented, rounded, tr silt, clear quartz grains.

21.0 - 27.0 ft, Sand (SP)
Grayish brown (5YR 3/2) v fine to medium grained, loose, rounded, clear quartz grains, tr. silt.

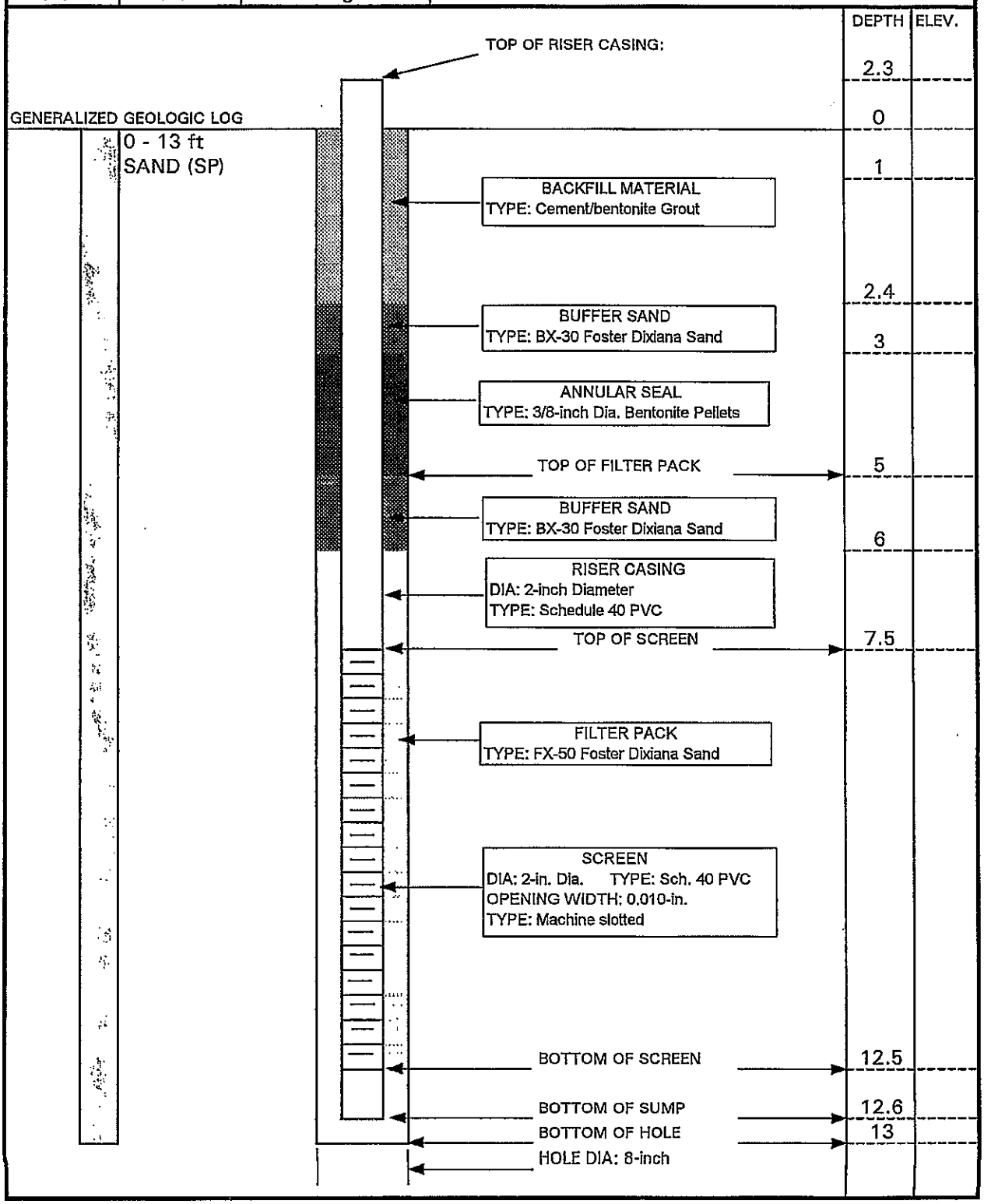
27.0 - 45.3 ft, Sand (SW)
Moderate yellowish brown (10YR 5/4), fine to very coarse grained, loose, rounded, clear quartz grains, trace silt, slightly cemented with nodules.



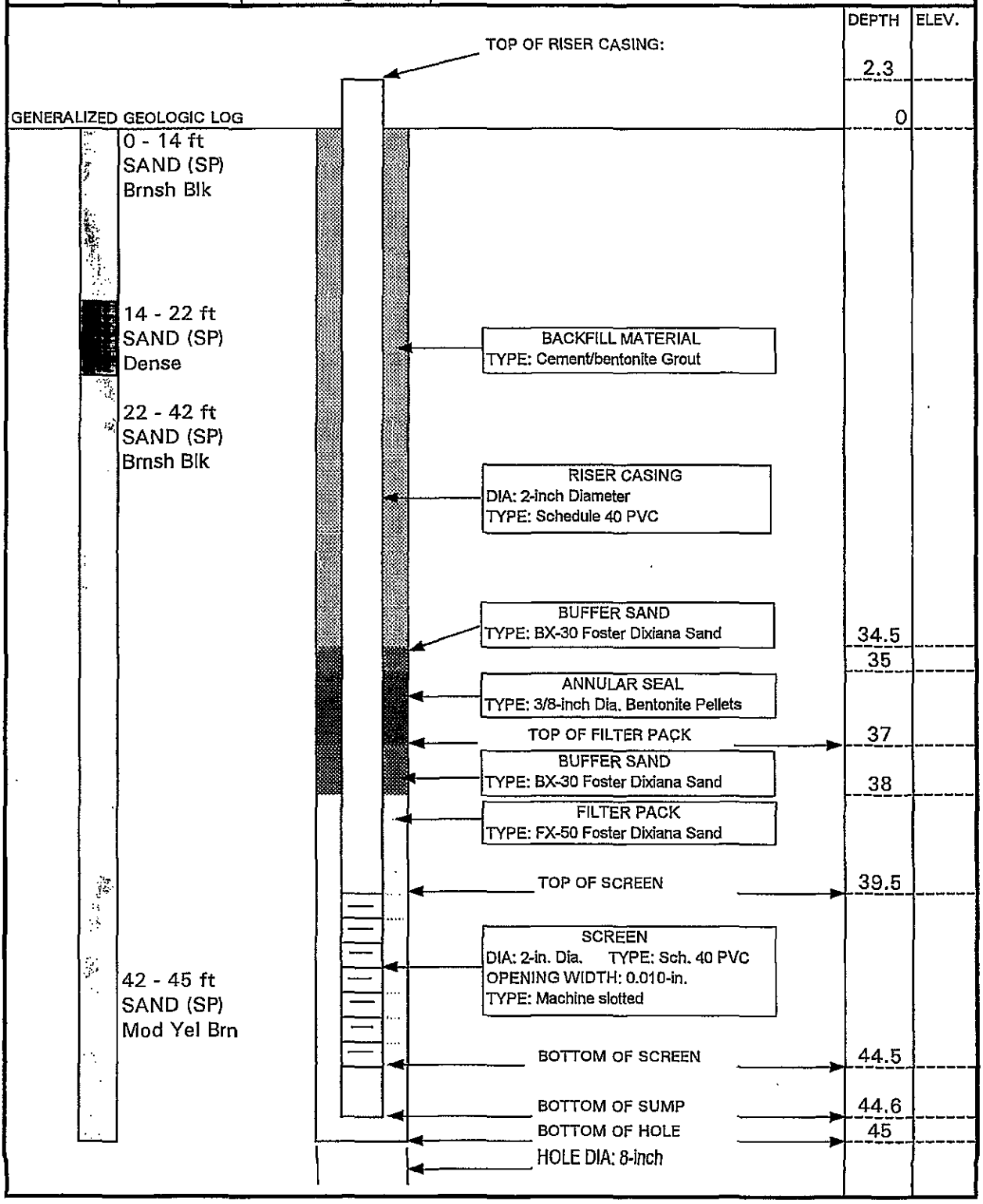
	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	2.6	107.71
4-in Protective Casing with Cover and Lock	0.5	105.59
2X2 ft Concrete pad	0.0	105.09
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	104.09
#00N Morie Sandbridge (1.0 - 1.5 ft bls)	1.5	103.59
1/4 in bentonite tablets (1.5 - 2.5 ft bls)	2.5	102.59
2-inch Sch. 40 PVC Riser Casing		
Cement/Bentonite Grout (2.5-34.0 ft bls)		
	34.0	71.09
#00N Morie Sandbridge (34.0-35.0 ft bls)	35.0	70.9
1/4 in bentonite tablets (35.0-37.0 ft bls)	37.0	68.09
	40.0	65.09
2-inch Sch. 40 PVC 10 slot Slotted Screen (40.0-45.0 ft bls)		
#1 Morie Filterpack (37.0-45.3 ft bls)	45.0	60.09
2 in Sch. 40 Sump (45.0-45.3 ft bls)	45.3	59.79
Bottom of Borehole (45.3 ft bls)	45.3	59.79
Bore hole DIA: 8 inch		

Not to Scale

OBSERVATION WELL	PROJECT: Naval Training Center, OU-4, Orlando, FL	WELL NO.: OW-12
JOB NO.: 22567-304	SITE: OU-4	COORDINATES:
BEGUN: 5/6/98	COMPLETED: 5/6/98	PREPARED BY: M.A. Gage
REFERENCE POINT FOR MEASUREMENTS: Ground Surface		



OBSERVATION WELL	PROJECT: Naval Training Center, OU-4, Orlando, FL	WELL NO.: OW-13
JOB NO.: 22567-304	SITE: OU-4	COORDINATES:
BEGUN: 5/6/98	COMPLETED: 5/6/98	PREPARED BY: M.A. Gage
REFERENCE POINT FOR MEASUREMENTS: Ground Surface		



CH2MHILL

PROJECT NUMBER	BORING ID:	
161919	SOW-05	Sheet 1 of 3

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 109.36 NORTHING: 1536895.45 EASTING: 544968.13 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/15/2002 END: 11/15/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS-Split Spoon ST-Shelby Tube	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0						
0.5						
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
8						
8.5						
9						
9.5						
10						
10.5						
11						
11.5						
12						
12.5						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: SOW-05	Sheet 2 of 3

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 109.36 NORTHING: 1536895.45 EASTING: 544968.13 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/15/2002 END: 11/15/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS=Split Spoon ST=Shelby Tube	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
13						
13.5						
14						
14.5						
15		0%	SS	x-2-2-5	No recovery	
15.5						
16						
16.5						
17		92%	SS	x-8-7-6	10YR 3/2 Very dark grayish brown, wet, slightly dense to medium dense, very fine to medium sand, some silt, no odor, hard sand at 18.5' to 19.5'	PID over split spoon = 0.0 ppm Headspace = 14.7 ppm
17.5						
18						
18.5						
19		75%	SS	x-2-3-5	10YR 4/2 Dark grayish brown, wet, slightly dense, very fine to medium sand, some silt, no odor	PID over split spoon = 0.2 ppm Headspace = 41.3 ppm
19.5						
20						
20.5						
21		100%	SS	x-2-6-7	10YR 3/1 Very dark gray, loose, very fine to medium sand, little silt, no odor	PID over split spoon = 0.3 ppm Headspace = 38.4 ppm
21.5						
22						
22.5						
23		100%	SS	x4-6-6	10YR 3/3 Very dark brown, loose, very fine to coarse sand, little silt, no odor	PID over split spoon = 0.3 ppm Headspace = 30.3 ppm
23.5						
24						
24.5						
25						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: SOW-05	Sheet 3 of 3

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 109.36 NORTHING: 1536895.45 EASTING: 544968.13 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/15/2002 END: 11/15/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS=Spit Spoon ST=Shelby Tube	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
25.5						
26						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: SOW-10	Sheet 1 of 2

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 108.35 NORTHING: 1536898.36 EASTING: 544884.15 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/15/2002 END: 11/15/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS=Split Spoon ST=ShelbyTube	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0						
0.5						
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
8						
8.5						
9						
9.5						
10						
10.5						
11						
11.5						
12						
12.5						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: SOW-10	Sheet 2 of 2

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 108.35 NORTHING: 1536898.36 EASTING: 544884.15 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/15/2002 END: 11/15/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS=Split Spoon ST=ShelbyTube	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
13						
13.5						
14						
14.5						
15		67%	SS	x-6-6-7	10YR 4/1 Dark gray, wet, loose, very fine to medium sand, little silt, no odor	PID over split spoon = 0.0 ppm Headspace = 9.9 ppm
15.5						
16						
16.5						
17		100%	SS	x-2-1-2	10YR 3/1 Very dark gray, wet, loose, very fine to medium sand, little to some silt, no odor	PID over split spoon = 0.0 ppm Headspace = 0.0 ppm
17.5						
18						
18.5						
19		92%	SS	x-4-13-29	10YR 3/2 Very dark grayish brown, wet, medium dense, very fine to medium silty sand, no odor, hard sand at 20'	PID over split spoon = 0.0 ppm Headspace = 0.3 ppm
19.5						
20						
20.5						
21						
21.5						
22						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: SOW-12	Sheet 1 of 2

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 108.24 NORTHING: 1536881.45 EASTING: 544846.38 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/12/2002 END: 11/12/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS=Split Spoon ST=Shelby Tube	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0		0%	SS		No recovery	PID over hole = 0.0 ppm Headspace = 0.6 ppm
0.5						
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5			SS		2.5YR 3/1 Reddish brown, moist to wet, loose, very fine to medium sand, little silt, no odor	PID over hole = 0.0 ppm Headspace = 0.4 ppm
5.5						
6						
6.5						
7						
7.5						
8						
8.5						
9						
9.5						
10			SS		2.5YR 4/1 Dark gray, wet, loose, very fine to medium sand, some silt, no odor	PID over hole = 0.0 ppm Headspace = 0.5 ppm
10.5						
11						
11.5						
12						
12.5						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: SOW-12	Sheet 2 of 2

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 108.24 NORTHING: 1536881.45 EASTING: 544846.38 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/12/2002 END: 11/12/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS-Spit Spoon ST-ShelbyTube	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
13						
13.5						
14						
14.5						
15		63%	SS	x-3-3-3	2.5 Y 3/1 very dark gray, wet, loose, very fine to medium sand, some silt, no odor	PID over split spoon = 0.0 ppm Headspace = 1.8 ppm
15.5						
16						
16.5						
17		75%	SS	1-9-6-5	10YR 3/2 Very dark grayish brown, wet, slightly dense to medium dense, very fine to medium sand, grades into very fine to fine silty sand at 19', no odor	PID over split spoon = 0.1 ppm Headspace = 15.8 ppm
17.5						
18						
18.5						
19		79%	SS	x-10-16-24	10YR 4/2 Dark grayish brown, wet, medium dense, very fine to medium silty sand, no odor, hard sand layer encountered at 20'	PID over split spoon = 0.0 ppm Headspace = 0.2 ppm
19.5						
20						
20.5						
21						
21.5						
22						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: SOW-13	Sheet 1 of 2

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 107.58 NORTHING: 1536824.97 EASTING: 544837.67 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/13/2002 END: 11/13/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS=Split Spoon ST=Shelby Tube	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0						
0.5						
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
8						
8.5						
9						
9.5						
10						
10.5						
11						
11.5						
12						
12.5						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: SOW-13	Sheet 2 of 2

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 107.58 NORTHING: 1536824.97 EASTING: 544837.67 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/13/2002 END: 11/13/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# (SS=Spit Spoon ST=Shelby Tube)	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
13						
13.5						
14						
14.5						
15			SS	x-3-4-4	10YR 3/1 Very dark gray, wet, loose, very fine to medium sand, little silt, no odor	PID over split spoon = 0.1 ppm Headspace = 3.3 ppm
15.5						
16						
16.5						
17			SS	x-2-2-1	10YR 3/1 Very dark gray, wet, loose, very fine to medium sand, little silt, no odor	PID over split spoon = 0.0 ppm Headspace = 4.4 ppm
17.5						
18						
18.5						
19			SS	x-1-2-5	10YR 3/2 Very dark grayish brown, wet, slightly dense, very fine to medium sand, little to some silt	PID over split spoon = 0.0 ppm Headspace = 3.0 ppm
19.5						
20						
20.5						
21			SS	x-16-50+	10YR 4/2 Dark grayish brown, wet, medium dense, very fine to fine silty sand, no odor, hard sand layer starts at 21'	PID over split spoon = 0.1 ppm Headspace = 3.2 ppm
21.5						
22						
22.5						
23						
23.5						
24						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: SOW-14	Sheet 1 of 2

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 107.24 NORTHING: 1536841.75 EASTING: 544797.67 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/13/2002 END: 11/13/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# SS=Split Spoon ST=ShelbyTube	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
0						
0.5						
1						
1.5						
2						
2.5						
3						
3.5						
4						
4.5						
5						
5.5						
6						
6.5						
7						
7.5						
8						
8.5						
9						
9.5						
10						
10.5						
11						
11.5						
12						
12.5						

CH2MHILL	PROJECT NUMBER 161919	BORING ID: SOW-14	Sheet 2 of 2

SOIL BORING LOG

PROJECT: NTC Orlando LOCATION: OU4

ELEVATION: 107.24 NORTHING: 1536841.75 EASTING: 544797.67 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/13/2002 END: 11/13/2002 LOGGER: Jennifer Ottoson

DEPTH BGS (ft)	INTERVAL (ft)	RECOVERY (%)	TYPE-# (SS=Split Spoon ST=ShelbyTube)	STANDARD PENETRATION TEST RESULTS 6-6-6 (in) (N)	CORE DESCRIPTION: SOIL NAME (USCS GROUP SYMBOL), COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.
13						
13.5						
14						
14.5						
15		67%	SS	x-6-5-6	10YR 3/1 Very dark gray, wet, loose, very fine to medium sand, little silt, no odor	PID over split spoon = 0.0 ppm Headspace = 0.6 ppm
15.5						
16						
16.5						
17		75%	SS	x-18-25-36	10YR 3/1 Very dark gray, wet, loose, very fine to medium sand, little silt, no odor, then grades into 10YR 3/2 very dark grayish brown, medium dense, very fine to fine silty sand, no odor	PID over split spoon = 0.0 ppm Headspace = 7.3 ppm
17.5						
18						
18.5						
19		92%	SS	x-17-14-15	10YR 3/2 Very dark grayish brown, wet, slightly dense, very fine to medium sand, little silt, no odor, hard sand at 18.5' to 19.5'	PID over split spoon = 0.2 ppm Headspace = 18.4 ppm
19.5						
20						
20.5						
21		92%	SS	x-7-12-14	10YR 3/2 Very dark grayish brown, wet, slightly dense, very fine to medium sand, little silt, no odor	PID over split spoon = 0.2 ppm Headspace = 32.7 ppm
21.5						
22						
22.5						
23						
23.5						
24						

Project: BRAC NTC, Group II, Site Screening	**Well ID:** OLD-14-01		**Boring ID:** 14B001
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538843.23	**Easting:** 545345.18	**Date started:** 03/27/95	**Compltd:** 03/27/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 3-13 ft. bls	**Protection level:** D
TOC elev.: 108.00 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 18Ft.	**Dpth to** ⊽ 4 * Ft.
ABB Rep.: W. Olson	**Well development date:** 03/27/95		**Site:** Study Area 14

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
	14B00101		ph	0	SILTY QUARTZ SAND: Dark brownish-gray, fine-to medium-grained, dry to moist, slightly plastic, some interbedded peaty mat, some large chunks of concrete in top 4'.		SM	posthole	
			ph	0				posthole	
				0				2,3,2,1	
5			60%		SILTY QUARTZ SAND: Dark brown, medium-grained, brown silt, non plastic, saturated.				
				0				1,2,2,2	
			80%						
				0				1,1,1,1	
			70%						
10	14B00102			0				2,3,4,7	
			80%						
				0				1,1,1,1	
			90%						
					* = approximate depth				
15									
20									

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group II, Site Screening		**Well ID:** OLD-14-02	**Boring ID:** 14B002
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538852.39	**Easting:** 545438.40	**Date started:** 03/27/95	**Completd:** 03/27/95
Method: 6.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 5-15 ft. bls	**Protection level:** D
TOC elev.: 113.86 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 18Ft.	**Dpth to** ∇ 10 * Ft.
ABB Rep.: W. Olson	**Well development date:** 03/27/95		**Site:** Study Area 14

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				0	LIMESTONE SUBGRADE		GP	posthole	
	14B00201		ph		SILTY QUARTZ SAND: Gray.		SM		
				0	QUARTZ SAND: Off-white, fine-to medium-grained, well rounded, sparse dark graining, dry, non plastic.		SP	posthole	
			ph						
				0				9,4,7,5	
5			75%						
				0				2,3,4,2	
			80%						
				0				1,1,3,2	
			80%		QUARTZ SAND: Dark brown, fine-to medium-grained, slightly silty, moist, non plastic, saturated @ 10'bls.				
10	14B00202			0				2,1,3,8	
			80%						
				0				3,4,5,5	
			90%						
				0				3,3,2,3	
15			90%						
					* = approximate depth				
20									

Project: BRAC NTC, Group II, Site Screening	**Well ID:** OLD-14-03		**Boring ID:** 14B003
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538555.82	**Easting:** 545252.87	**Date started:** 02/28/85	**Completd:** 02/28/85
Method: 6.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 5-15 ft. bls	**Protection level:** D
TOC elev.: 113.29 Ft.	**Type of OVM.:** Porta FID	**Total depth:** 18Ft.	**Dpth to** ∇ 8 * Ft.
ABB Rep.: W. Olson	**Well development date:** 02/28/85		**Site:** Study Area 14

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				0	LIMESTONE SUBGRADE		GP	posthole	
	14B00301		ph		SILTY QUARTZ SAND: Gray.		SM		
				0	QUARTZ SAND: White, fine-to medium-grained, loose, dry.		SP	posthole	
			ph						
				0				2,2,2,3	
5			80%						
	14B00302			0	QUARTZ SAND: Reddish-brown, fine-to medium-grained, slightly cohesive, damp.			4,5,8,8	
			80%						
				0	SILTY QUARTZ SAND: Gray, fine-grained gravel, rounded.		SM	1,2,2,4	
					QUARTZ SAND: Gray to brown, medium-grained, slightly silty, wet.		SP		
			80%						
10				0				2,5,5,6	
			50%						
				0	QUARTZ SAND: Gray to very dark brown, some shell matrix.			3,3,8,12	
			80%						
				0				1,2,1,1	
15			80%						
					* = approximate depth				
20									

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group II, Site Screening	**Well ID:** OLD-14-04		**Boring ID:** 14B004
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1538885.58	**Easting:** 545308.15	**Date started:** 03/27/95	**Completd:** 03/27/95
Method: 8.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 5-15 ft. bls	**Protection level:** D
TOC elev.: 113.33 Ft.	**Type of OVM.:** Porta FID	**Total dpth:** 18Ft.	**Dpth to** ∇ 10 * Ft.
ABB Rep.: W. Olson	**Well development date:** 03/27/95		**Site:** Study Area 14

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				0	LIMESTONE SUBGRADE		GP	posthole	
	14B00401		ph		SILTY QUARTZ SAND: Gray to brown, fine-to medium-grained, dry.		SM		
			ph	0	QUARTZ SAND: Off-white, fine-to medium-grained, well rounded, slightly silty, moist @ 8'bls.		SP	posthole	
				2				4,4,4,6	
5			60%						
				1				3,3,3,3	
			80%						
				0				2,2,3,3	
			80%		SILTY QUARTZ SAND: Dark brown, fine-to medium-grained, damp to 10'bls then wet, saturated @ 12'bls.		SM		
10	14B00402			0				2,5,3,2	
			60%						
				0				2,3,4,6	
			80%						
				n/a				n/a	
15			n/a						
					* = approximate depth				
20									

 ABB ENVIRONMENTAL SERVICES, INC.

SBP Technologies, Inc.

AS-BUILT

RECIRCULATION WELL	PROJECT: Bechtel Naval Training Center Site.		WELL NO. UVB-01
JOB NO. T7027.12	SITE: OU-4, Orlando, FL	COORDINATES: 1536820.026N, 544693.085E	
BEGUN 11/18/97	COMPLETED 11/19/97	PREPARED BY R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS: Ground Surface

GENERALIZED GEOLOGIC LOG

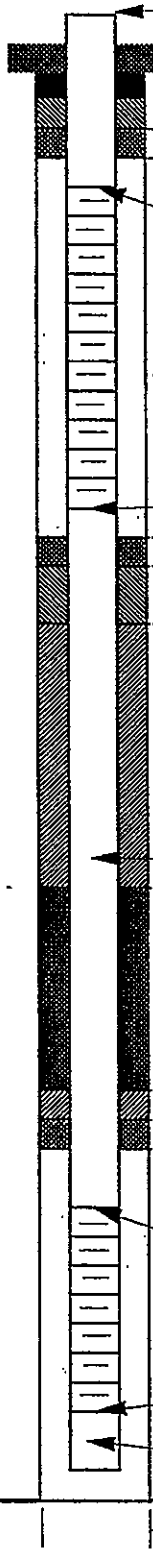
0-15 ft, Sand (SP)
Med-dark gray (N4), Fine to Medium grained, Loose, rounded, tr silt, Clear quartz grains, Wet at 2.5 ft bls

15 - 21 ft, Sand (SP)
Dk ylw brn (10yr 4/2) to dusky ylw brn (10YR 2/2), f grained, cemented nodules, rounded, tr silt, dense, clear quartz grains, slightly cemented.

21 - 25 ft, Sand (SP)
grayish brn (5YR 3/2), f - m grained, loose, rounded, tr silt, clear quartz grains

24 - 49 ft, Sand (SW)
Moderate yellowish brown (10YR 5/4), Fine to Very Coarse Grained, Loose, tr silt & dark grains with slightly cemented nodules, rounded, clear quartz grains

Borehole Completion
Begun: 11/12/97
Completed: 11/17/97



	DEPTH	ELEV.
Top pf 10-in Sch. 80 PVC Riser Casing	2.0	
Concrete pad	0.5	
Concrete Seal (0.0 - 1.0 ft bls)	1.0	
1/4 in bentonite tablets (1.0 - 1.6 ft bls)	1.6	
#00N Morie Sandbridge (1.6 - 2.2 ft bls)	2.2	
Top of 10-in Johnson Irrigator Screen Sch. 80, 25 slot, Galvanized steel Screen Interval: (3.1 - 14.71 ft bls)	3.1	
#1 Morie Filterpack (2.2 - 16.0 ft bls)		
Bottom of 10-in Irrigator Screen	14.7	
	16.0	
#00N Morie Sandbridge (16.0-16.7 ft bls)	16.7	
1/4 in bentonite tablets (16.7 -19.0 ft bls)	19.0	
3/8 in bentonite tablets (19.0 -28.0 ft bls)		
10 inch Sch. 80 PVC Riser Casing	28.0	
Shur-Grout Seal (28.0 - 34.7)		
	34.7	
3/8 in bentonite tablets (34.7 -36.2 ft bls)	36.2	
#00N Morie Sandbridge (36.3-37.2 ft bls)	37.2	
Top of 10-in Johnson Irrigator Screen Sch. 80, 25 slot, Galvanized steel Screen Interval: (39.2 - 45.7 ft bls)	39.2	
#1 Morie Filterpack (37.2 - 49.0 ft bls)		
Bottom of 10-in Irrigator Screen	45.7	
10 InSch.80 Galv. Sump(45.7- 48.3 ft bls)	48.3	
Bottom of Borehole (49.0 ft bls)	49.0	
Bore hole DIA: 16 inch		

Not to Scale

SBP Technologies, Inc.

AS-BUILT

RECIRCULATION WELL	PROJECT: Bechtel Naval Training Center Site.	WELL NO. UVB-02

JOB NO.	SITE	COORDINATES
T7027.12	OU-4, Orlando, FL	1536745.865N, 544685.622E

BEGUN	COMPLETED	PREPARED BY	REFERENCE POINT FOR MEASUREMENTS
11/20/97	11/24/97	R.J. Desrosiers	Ground Surface

GENERALIZED GEOLOGIC LOG

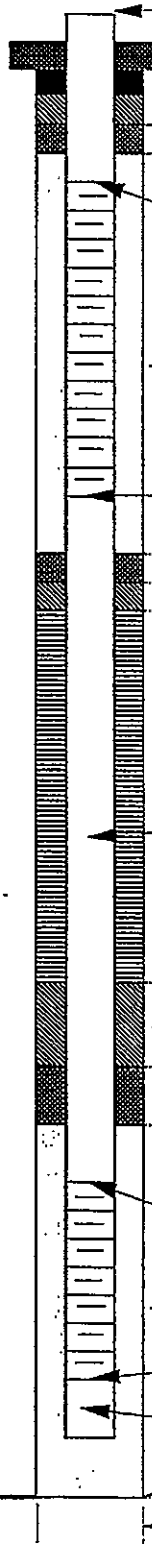
0-14 ft, Sand (SP)
Med-dark gray (N4), Fine to Medium grained, Loose, rounded, tr silt, Clear quartz grains, Wet at 3.0 ft bls

14 - 20 ft, Sand (SP)
Dk ylw brn (10yr 4/2) to dusky ylw brn (10YR 2/2), f grained, cemented nodules, rounded, tr silt, dense, clear quartz grains, slightly cemented.

20 - 29 ft, Sand (SP)
grayish brn (5YR 3/2), vf - med grained, loose, rounded, tr silt clear quartz grains

29 - 51 ft, Sand (SW)
Moderate yellowish brown (10YR 5/4), Fine to Very Coarse Grained, Loose, tr silt & dark grains with slightly cemented nodules, rounded, clear quartz grains

Borehole Completion
Begun: 11/20/97
Completed: 11/24/97



	DEPTH	ELEV.
Top pf 10-in Sch. 80 PVC Riser Casing	0.9	
Concrete pad	0.5	
Concrete Seal (0.0 - 1.0 ft bls)	1.0	
1/2 in bentonite tablets (1.0 - 1.5 ft bls)	1.5	
#00N Morie Sandbridge (1.5 - 2.0 ft bls)	2.0	
Top of 10-in Johnson Irrigator Screen Sch. 80, 25 slot, Galvanized steel Screen interval: (3.3 - 15.0 ft bls)	3.3	
#1 Morie Filterpack (2.0 - 17.0 ft bls)		
Bottom of 10-in Irrigator Screen	15.0	
	17.0	
#00N Morie Sandbridge (17.0-18.1 ft bls)	18.1	
1/2 in bentonite tablets (18.1 -19.3 ft bls)	19.3	
Med bentonite chips (19.3 - 32.0 ft bls)		
10 inch Sch. 80 PVC Riser Casing		
	32.0	
1/2 in bentonite tablets (32.0 -35.2 ft bls)	35.2	
#00N Morie Sandbridge (35.2-36.7 ft bls)	36.7	
	39.5	
Top of 10-in Johnson Irrigator Screen Sch. 80, 25 slot, Galvanized steel Screen interval: (39.5 - 46.4 ft bls)		
#1 Morie Filterpack (36.7 - 51.0 ft bls)		
Bottom of 10-in Irrigator Screen	46.4	
10 in Sch.80 Galv. Sump(46.4- 48.6ft bls)	48.6	
Bottom of Borehole (51.0 ft bls)	51.0	
Bore hole DIA: 16 inch		

Not to Scale

Completion Logs

PROJECT NUMBER	WELL NUMBER		
277311.33.02.05.01	DPT-1A	SHEET 1	OF 1

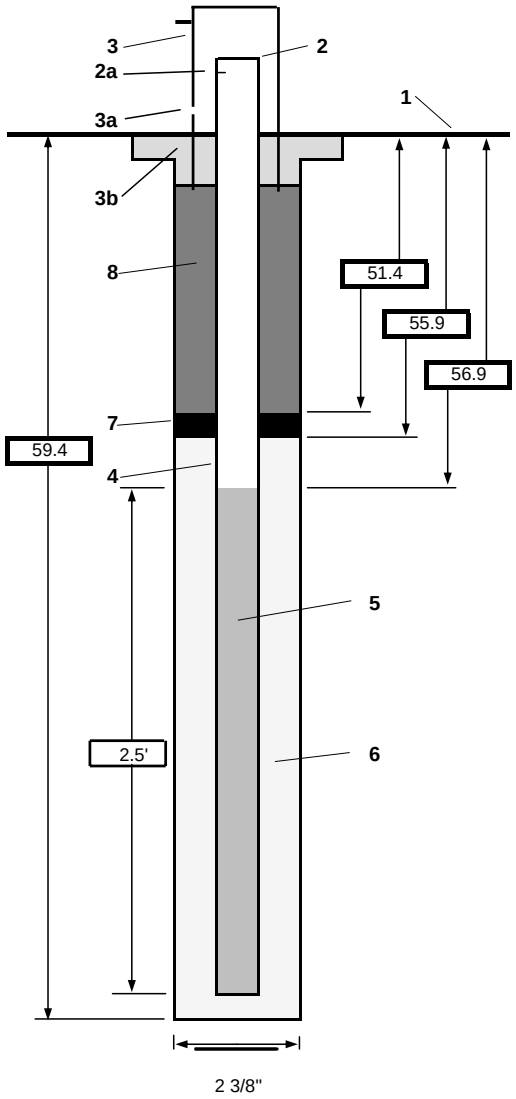
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando Mip Confirmation Well LOCATION : OU-4 Bldg. 1100

DRILLING CONTRACTOR : Precision Drilling and Geoprobe

DRILLING METHOD AND EQUIPMENT USED : Precision SD DPT Rig , Direct Push EC -4 Casing, set well inside casing

WATER LEVELS : btoc START : 11.81 END : 11.45 LOGGER : I. Lynch



1- Ground elevation at well: TBD

2- Top of casing elevation: TBD
a) vent hole?

3- Wellhead protection cover type: 2" PVC riser over 3/4" riser
a) weep hole?: yes
b) concrete pad dimensions: 2x2 above ground

4- Dia./type of well casing: 3/4" PVC schdule 80

5- Type/slot size of screen: PVC 10 slot prepack screen 2.5' long

6- Type screen filter: 10/20 prepack sand with Stainless
a) Steel screen around packing

7- Type of seal: 2.5' prepack Bentonite
a) Quantity used: with 2.0' of fine grain sand 35/60 on top of Bentonite before grout is placed

8- Grout
a) Grout mix used: Neet portland cement w approximately
b) Method of placement: w/ 4% Bentonite, poured down casing
c) Vol. of well casing grout: 3 sacks grout poured to surface

Development method: 12V Geopump w/ TFE tubing

Development time: 7hrs

Estimated purge volume: 25 gallons

Comments: 3/4" pizometer well with 2.5' of prepack screen and 2.5' of prepack bentonite seal.
Well installed on 06-05-2004

PROJECT NUMBER	WELL NUMBER		
277311.33.02.05.01	DPT-1B	SHEET 1	OF 1

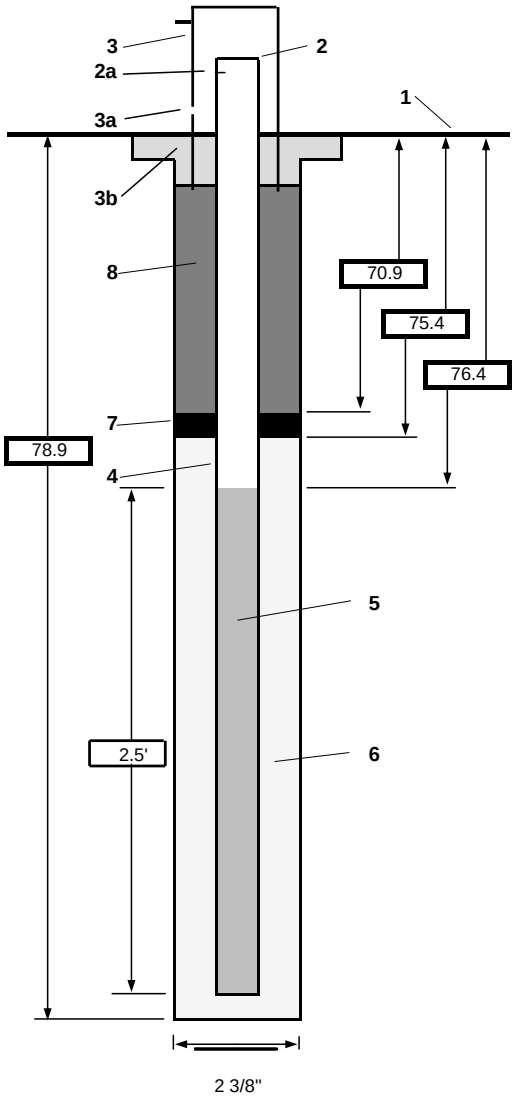
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando Mip Confirmation Well LOCATION : OU-4 Bldg. 1100

DRILLING CONTRACTOR : Precision Drilling and Geoprobe

DRILLING METHOD AND EQUIPMENT USED : Precision SD DPT Rig , Direct Push EC -4 Casing, set well inside casing

WATER LEVELS : btoc START : 16.58 END :16.24 LOGGER : I. Lynch



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
a) vent hole?	
3- Wellhead protection cover type	2" PVC riser over 3/4" riser
a) weep hole?	
b) concrete pad dimensions	2x2 above ground
4- Dia./type of well casing	3/4" PVC schedule 40
5- Type/slot size of screen	PVC 10 slot prepack screen 2.5' long
6- Type screen filter	10/20 prepack sand with Stainless
a)	Steel wire screen around packing
7- Type of seal	2.5' prepack Bentonite
a) Quantity used	with 2.0' of fine grain sand 35/60 on top of Bentonite before grout is placed
8- Grout	
a) Grout mix used	Neet portland cement w approximately
b) Method of placement	w/ 4% Bentonite, poured down casing
c) Vol. of well casing grout	3 sacks grout poured to surface
Development method	12V Geopump w/ TFE tubing
Development time	6hrs
Estimated purge volume	30 gallons

Comments 3/4" pizometer well with 2.5' of prepack screen and 2.5' of prepack bentonite seal.
Well installed on 06-05-2004

PROJECT NUMBER	WELL NUMBER	
277311.33.02.05.01	DPT-2A	SHEET 1 OF 1

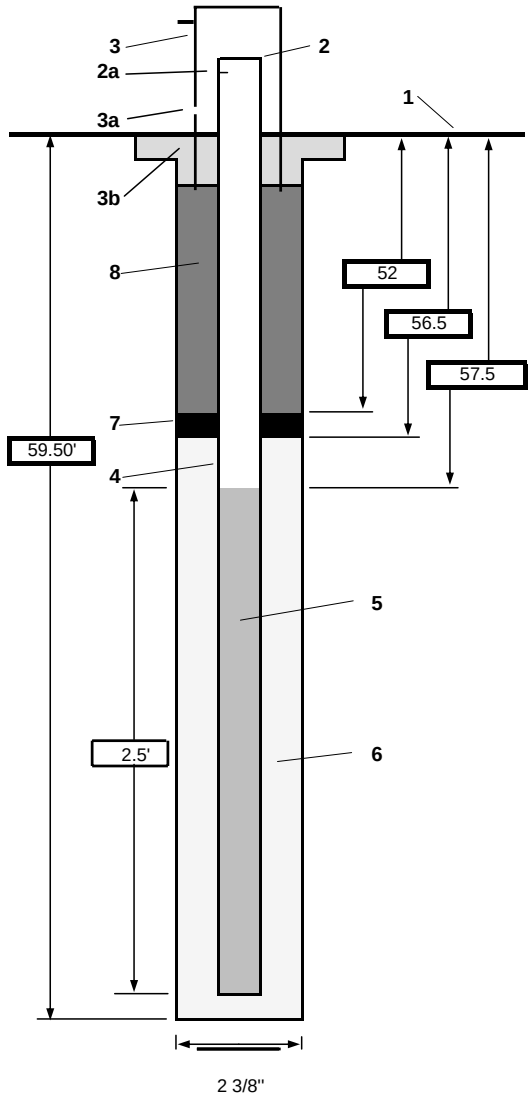
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando Mip Confirmation Well LOCATION : OU-4 Bldg. 1100

DRILLING CONTRACTOR : Precision Drilling and Geoprobe

DRILLING METHOD AND EQUIPMENT USED : Precision SD DPT Rig , Direct Push EC -4 Casing, set well inside casing

WATER LEVELS : btoc START : 13.21 END : 11.28 LOGGER : Isaac Lynch



1- Ground elevation at well: To be determined

2- Top of casing elevation: TBD
a) vent hole?

3- Wellhead protection cover type: 2" PVC riser over 3/4" riser
a) weep hole?
b) concrete pad dimensions: 2x2 above ground

4- Dia./type of well casing: 3/4" PVC schdule 80

5- Type/slot size of screen: PVC 10 slot prepack screen 2.5' long

6- Type screen filter: 10/20 prepack sand with Stainless
a) Steel screen around packing

7- Type of seal: 2.5' prepack Bentonite
a) Quantity used: with 2.0' of fine grain sand (35/60) on top of Bentonite before grout placed

8- Grout
a) Grout mix used: Neet portland cement w approximately
b) Method of placement: w/ 4% Bentonite, poured down casing
c) Vol. of well casing grout: 3 sacks grout poured to surface

Development method: 12V Geopump w/ TFE tubing

Development time: 6hrs

Estimated purge volume: 25 gallons

Comments: 3/4" pizometer well with 2.5' of prepack screen and 2.5' of prepack bentonite seal.
Well water recovery improved significantly after development
Well installed on 06-05-2004

PROJECT NUMBER	WELL NUMBER	
277311.33.02.05.01	DPT-2B	SHEET 1 OF 1

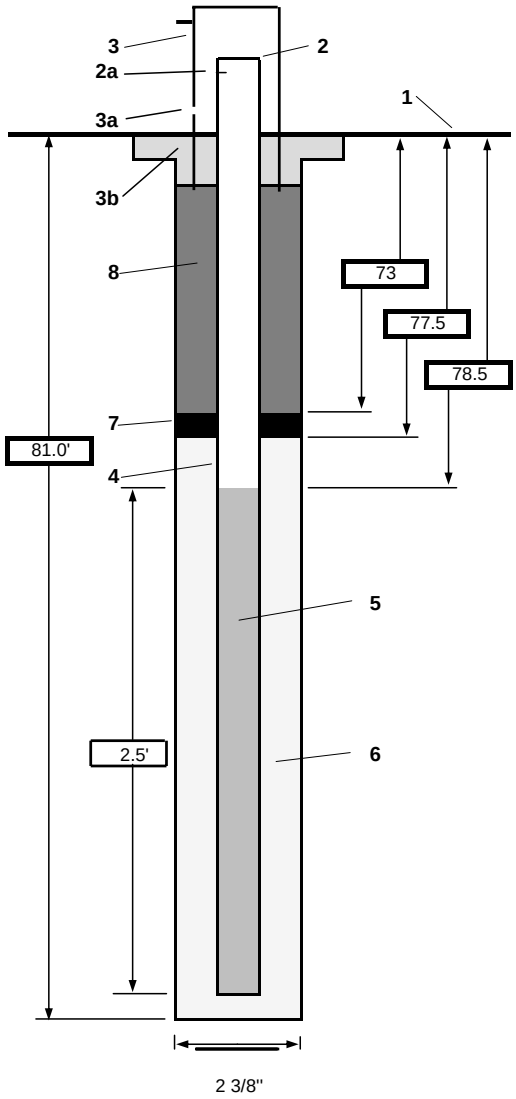
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando Mip Confirmation Well LOCATION : OU-4 Former Bldg. 1100 area

DRILLING CONTRACTOR : Precision Drilling and Geoprobe

DRILLING METHOD AND EQUIPMENT USED : Precision SD DPT Rig , Direct Push EC -4 Casing, set well inside casing

WATER LEVELS : btoc START : 16.24 END :15.75 LOGGER : Isaac Lynch



1- Ground elevation at well: TBD

2- Top of casing elevation: TBD
a) vent hole?

3- Wellhead protection cover type: 2" PVC riser over 3/4" pvc riser
a) weep hole?
b) concrete pad dimensions: 2x2 above ground

4- Dia./type of well casing: 3/4" PVC schdule 80

5- Type/slot size of screen: PVC 10 slot prepack screen 2.5' long

6- Type screen filter: 10/20 prepack sand with Stainless
a) Steel wire screen around packing

7- Type of seal: 2.5' prepack Bentonite
a) Quantity used: with 2.0' of fine grain sand 35/60 on top of Bentonite seal before grout placed

8- Grout
a) Grout mix used: Neet portland cement w approximately
b) Method of placement: w/ 4% Bentonite, poured down casing
c) Vol. of well casing grout: 3 sacks grout poured to surface

Development method: 12V Geopump w/ TFE tubing

Development time: 6 hrs

Estimated purge volume: 25 gallons

Comments: 3/4" pizometer well with 2.5' of prepack screen and 2.5' of prepack bentonite seal.

Well installed on 06-06-2004

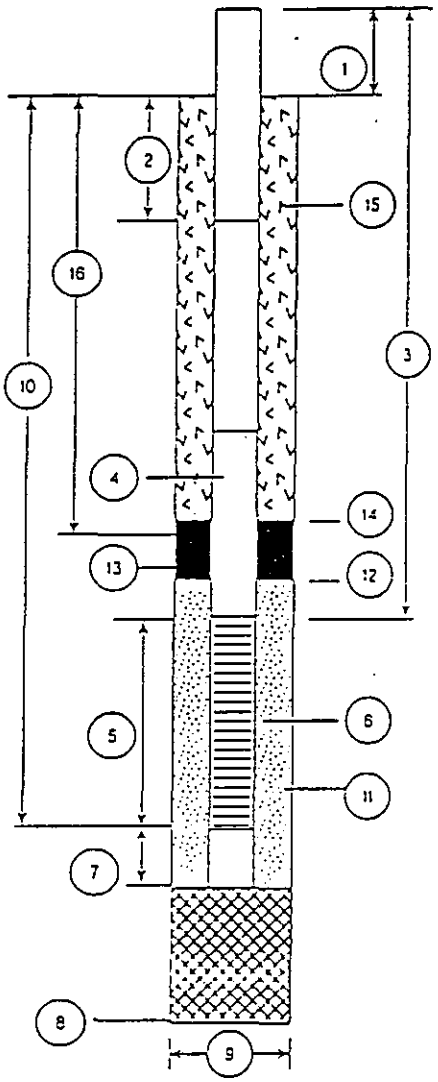
DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.

WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-12-01

DATE OF INSTALLATION: 2/27/95



1. Height of Casing above ground: 0'
2. Depth to first Coupling: 5'
   Coupling Interval Depths: 10'
3. Total Length of Riser Pipe: 5'
4. Type of Riser Pipe: 2" DIA. PVC
5. Length of Screen: 15'
6. Type of Screen: 2" DIA PVC, .010 SLOT
7. Length of Sump: 2"
8. Total Depth of Boring: 16'
9. Diameter of Boring: 6¼"
10. Depth to Bottom of Screen: 15'
11. Type of Screen Filter: SILICA SAND
    Quantity Used: 400 lbs 20/30 Size: 30/65
12. Depth to Top of Filter: 2'
13. Type of Seal: BENTONITE
    Quantity Used: 15 lbs
14. Depth to Top of Seal: 1.5'
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% CEMENT
    Method of Placement: POURED
16. Tot. Depth of 8 in. Steel Casing: N/A

COMMENTS ON INSTALLATION

WCHC

WELL CONSTRUCTION DETAIL

PROJECT OPERATIONS PLAN

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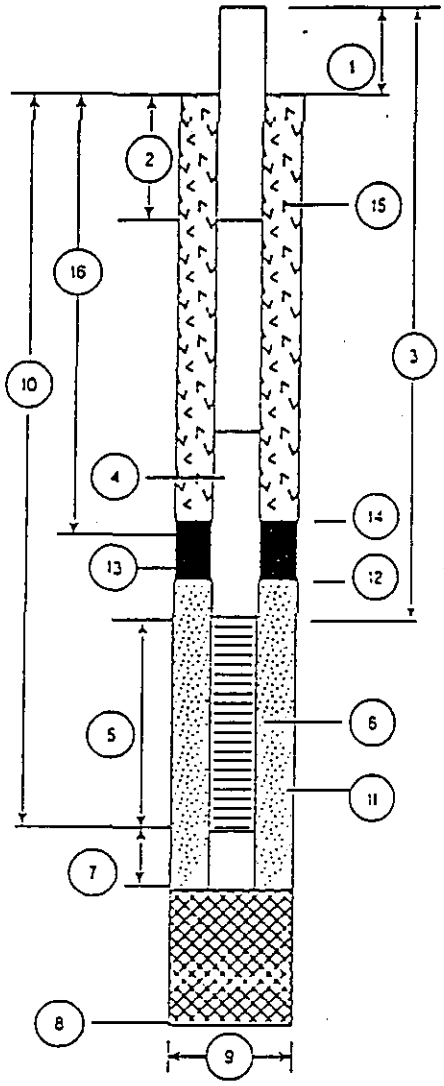
DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.

WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-12-02

DATE OF INSTALLATION: 2/27/95



1. Height of Casing above ground: 0'
2. Depth to first Coupling: 5'
   Coupling Interval Depths: 12'
3. Total Length of Riser Pipe: 5'
4. Type of Riser Pipe: 2" DIA PVC
5. Length of Screen: 10'
6. Type of Screen: 2" DIA PVC, .010 SLOT
7. Length of Sump: 2"
8. Total Depth of Boring: 16'
9. Diameter of Boring: 6 1/4"
10. Depth to Bottom of Screen: 15'
11. Type of Screen Filter: SILICA SAND 20/30
    Quantity Used: 50 lbs 25 lbs Size: 30/65
12. Depth to Top of Filter: 2'
13. Type of Seal: BENTONITE
    Quantity Used: 12 lbs
14. Depth to Top of Seal: 1.5'
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% CEMENT
    Method of Placement: POURED
16. Tot. Depth of 8 in. Steel Casing: N/A

COMMENTS ON INSTALLATION

WELL CONSTRUCTION DETAIL

PROJECT OPERATIONS PLAN

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SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
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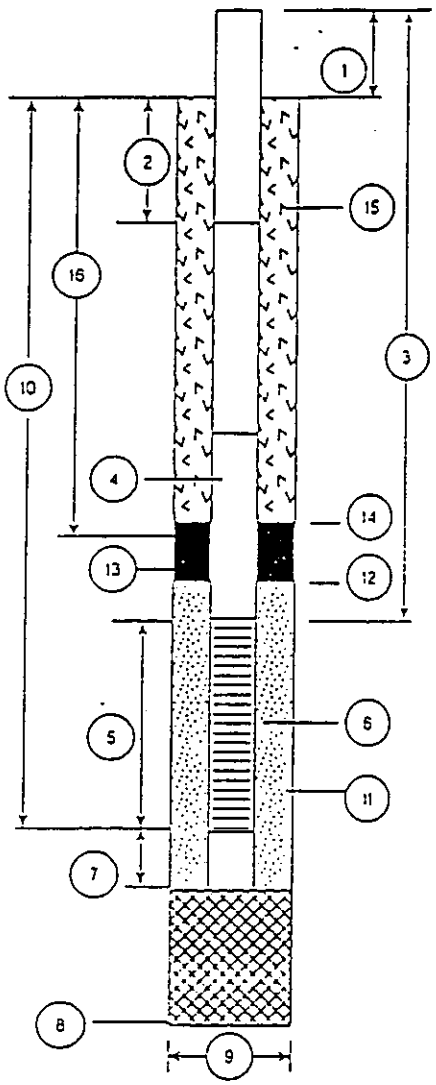
WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-12-03

DATE OF INSTALLATION: 2/28/95



1. Height of Casing above ground: 0"
2. Depth to first Coupling: 5.
   Coupling Interval Depths: 10.
3. Total Length of Riser Pipe: 5
4. Type of Riser Pipe: 2" DIA. PVC
5. Length of Screen: 10.
6. Type of Screen: 2" DIA. PVC, .010 SLOT
7. Length of Sump: 2"
8. Total Depth of Boring: 16.
9. Diameter of Boring: 6 1/4"
10. Depth to Bottom of Screen: 15.
11. Type of Screen Filter: SILICA SAND
    Quantity Used: 50 lbs. Size: 20/30 30/65
12. Depth to Top of Filter: 2'
13. Type of Seal: BENTONITE
    Quantity Used: 10 lbs
14. Depth to Top of Seal: 1.5'
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% CEMENT
    Method of Placement: POURED
16. Tot. Depth of 8 in. Steel Casing: N/A

COMMENTS ON INSTALLATION

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WELL CONSTRUCTION DETAIL

PROJECT OPERATIONS PLAN

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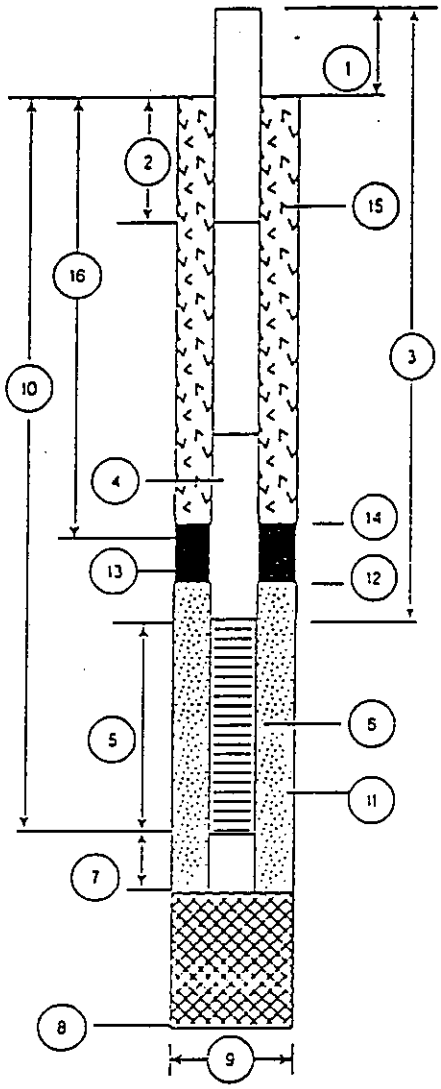
SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.

WELL CONSTRUCTION DETAIL

WELL NUMBER: CLD-12-04

DATE OF INSTALLATION: 2/25/95



1. Height of Casing above ground: 0'
2. Depth to first Coupling: 5'
   Coupling Interval Depths: 5'
3. Total Length of Riser Pipe: 5'
4. Type of Riser Pipe: 2" DIA. PVC
5. Length of Screen: 10'
6. Type of Screen: 2" DIA. PVC, .010 SLOT
7. Length of Sump: 2'
8. Total Depth of Boring: 16'
9. Diameter of Boring: 6 1/4"
10. Depth to Bottom of Screen: 15'
11. Type of Screen Filter: SILICA SAND
    Quantity Used: 550 lbs Size: 20/30 SAND
12. Depth to Top of Filter: 2'
13. Type of Seal: BENTONITE
    Quantity Used: 10 lbs.
14. Depth to Top of Seal: 1.5'
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% CEMENT
    Method of Placement: POURED
16. Tot. Depth of 8 in. Steel Casing: N/A

COMMENTS ON INSTALLATION

WELL CONSTRUCTION DETAIL

PROJECT OPERATIONS PLAN

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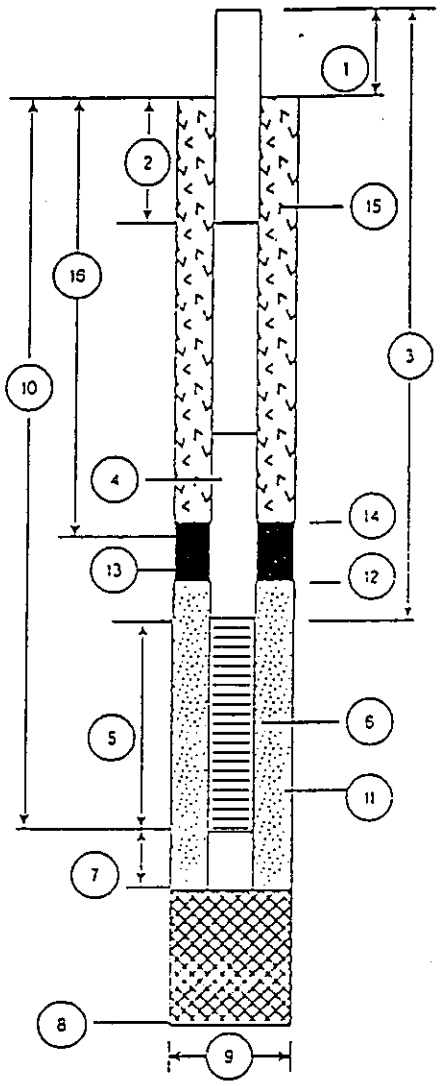

WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-13-01

DATE OF INSTALLATION: 2/26/95

1. Height of Casing above ground: 0'
2. Depth to first Coupling: 0'
   Coupling Interval Depths: 5'
3. Total Length of Riser Pipe: 5'
4. Type of Riser Pipe: 2" DIA PVC
5. Length of Screen: 10'
6. Type of Screen: 2" DIA. PVC, .010 SLOT
7. Length of Sump: 2"
8. Total Depth of Boring: 16'
9. Diameter of Boring: 6 1/4"
10. Depth to Bottom of Screen: 15'
11. Type of Screen Filter: SILICA SAND
    Quantity Used: 700 lb.s 50 lb.s Size: 20/30 30/65
12. Depth to Top of Filter: 2'
13. Type of Seal: BENTONITE
    Quantity Used: 10 lb.s
14. Depth to Top of Seal: 1.5'
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% CEMENT
    Method of Placement: POURED
16. Tot. Depth of 8 in. Steel Casing: N/A

COMMENTS ON INSTALLATION

WELL CONSTRUCTION DETAIL

PROJECT OPERATIONS PLAN

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DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
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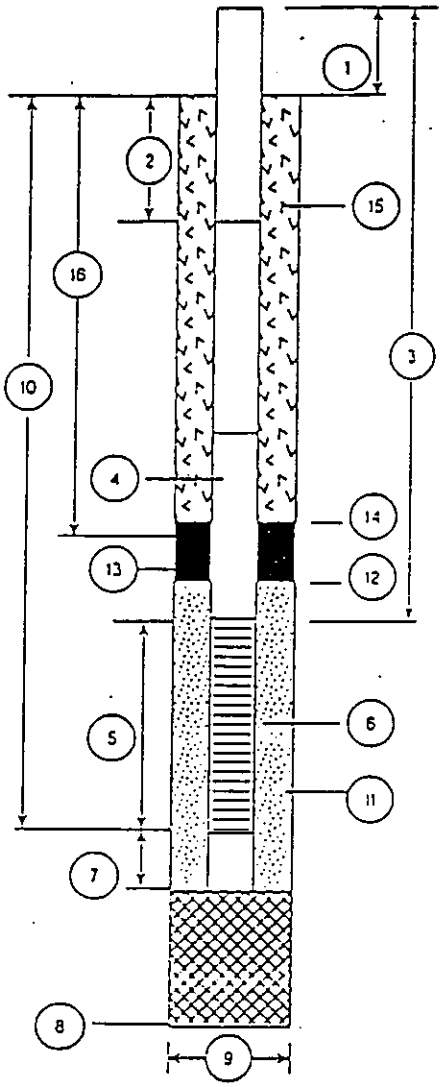
WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-13-02

DATE OF INSTALLATION: 3/28/95



1. Height of Casing above ground: 0.'
2. Depth to first Coupling: 7'
   Coupling Interval Depths: 10.'
3. Total Length of Riser Pipe: 57.
4. Type of Riser Pipe: 2" DIA. PVC
5. Length of Screen: 5'
6. Type of Screen: 2" DIA. PVC, .010 SLOT
7. Length of Sump: 2"
8. Total Depth of Boring: 64'
9. Diameter of Boring: 6¼"
10. Depth to Bottom of Screen: 62'
11. Type of Screen Filter: SILICA SAND
    Quantity Used: 250 lbs / 100 lbs Size: 20/30 / 30/65
12. Depth to Top of Filter: 57'
13. Type of Seal: SILICA SAND
    Quantity Used: 100 lbs 30/65
14. Depth to Top of Seal: 55'
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% CEMENT
    Method of Placement: TREMIE
16. Tot. Depth of 8 in. Steel Casing: N/A

COMMENTS ON INSTALLATION

WELL CONSTRUCTION DETAIL

PROJECT OPERATIONS PLAN

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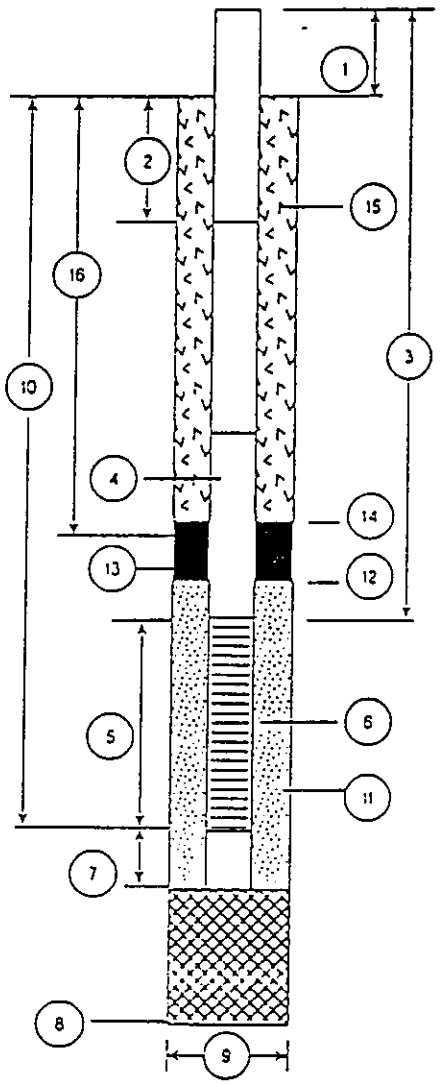
WELL CONSTRUCTION DETAIL

WELL NUMBER: OXD-13-03

DATE OF INSTALLATION: 4/3/95



1. Height of Casing above ground: 0.
2. Depth to first Coupling: 4'
   Coupling Interval Depths: 10'
3. Total Length of Riser Pipe: 4'
4. Type of Riser Pipe: 2" DIA. PVC
5. Length of Screen: 10'
6. Type of Screen: 2" DIA. PVC, .010 SLOT
7. Length of Sump: 6"
8. Total Depth of Boring: 14.5'
9. Diameter of Boring: 6 1/4"
10. Depth to Bottom of Screen: 14'
11. Type of Screen Filter: SILICA SAND
    Quantity Used: 400 lb. Size: 20/30
12. Depth to Top of Filter: 2'
13. Type of Seal: BENTONITE
    Quantity Used: 15 lbs
14. Depth to Top of Seal: 1.5'
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% PORTLAND
    Method of Placement: POURED.
16. Tot. Depth of 8 in. Steel Casing: N/A

COMMENTS ON INSTALLATION

KCHC

WELL CONSTRUCTION DETAIL

PROJECT OPERATIONS PLAN

NAVAL TRAINING CENTER
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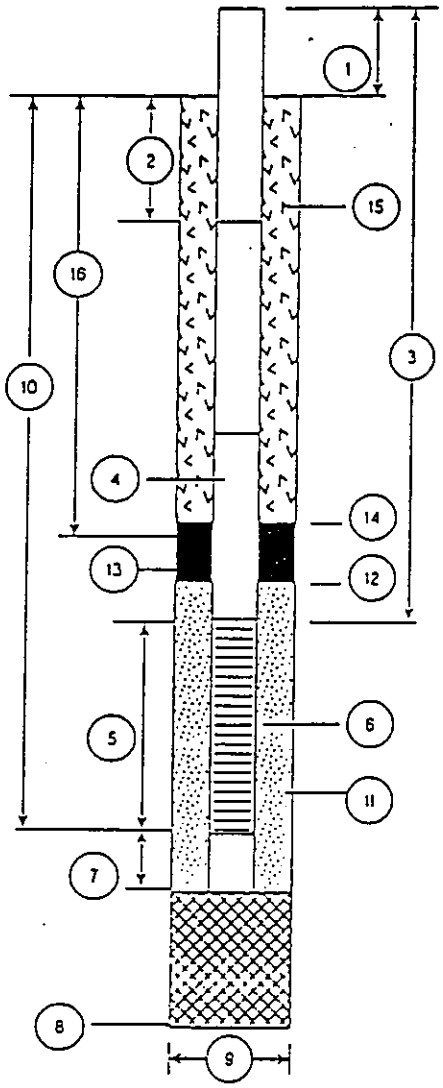
DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.

WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-13-04

DATE OF INSTALLATION: 4/3/95



1. Height of Casing above ground: 0'
2. Depth to first Coupling: 9'
   Coupling Interval Depths: 10'
3. Total Length of Riser Pipe: 59'
4. Type of Riser Pipe: 2" DIA. PVC
5. Length of Screen: 5'
6. Type of Screen: 2" DIA. PVC, .010 SLOT
7. Length of Sump: 6"
8. Total Depth of Boring: 66'
9. Diameter of Boring: 6 1/4"
10. Depth to Bottom of Screen: 64'
11. Type of Screen Filter: SILICA SAND
    Quantity Used: 25 CU. Size: 20/30
12. Depth to Top of Filter: 56'
13. Type of Seal: BENTONITE
    Quantity Used: 20 lbs
14. Depth to Top of Seal: 55'
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% PORTLAND
    Method of Placement: TREMIE
16. Tot. Depth of 8 in. Steel Casing: N/A

COMMENTS ON INSTALLATION

WELL CONSTRUCTION DETAIL

PROJECT OPERATIONS PLAN

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

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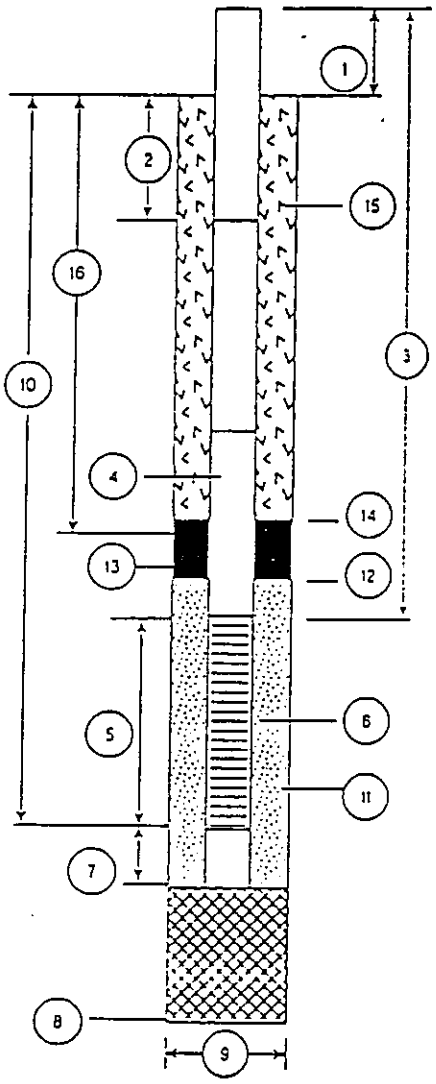
DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.

WELL CONSTRUCTION DETAIL

WELL NUMBER: CLD-13-05

DATE OF INSTALLATION: 2/26/96



1. Height of Casing above ground: 0'
2. Depth to first Coupling: 5'
   Coupling Interval Depths: 10'
3. Total Length of Riser Pipe: 5'
4. Type of Riser Pipe: 2" DIA PVC
5. Length of Screen: 10'
6. Type of Screen: 2" DIA PVC .010 SLOT
7. Length of Sump: 2'
8. Total Depth of Boring: 16'
9. Diameter of Boring: 6¼"
10. Depth to Bottom of Screen: 15'
11. Type of Screen Filter: SILICA SAND
    Quantity Used: 50 lbs Size: 20/30
12. Depth to Top of Filter: 2'
13. Type of Seal: BENTONITE
    Quantity Used: 15 lbs
14. Depth to Top of Seal: 1.5'
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% CEMENT
    Method of Placement: POURED
16. Tot. Depth of 6 in. Steel Casing: N/A

COMMENTS ON INSTALLATION

WELL CONSTRUCTION DETAIL

PROJECT OPERATIONS PLAN

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

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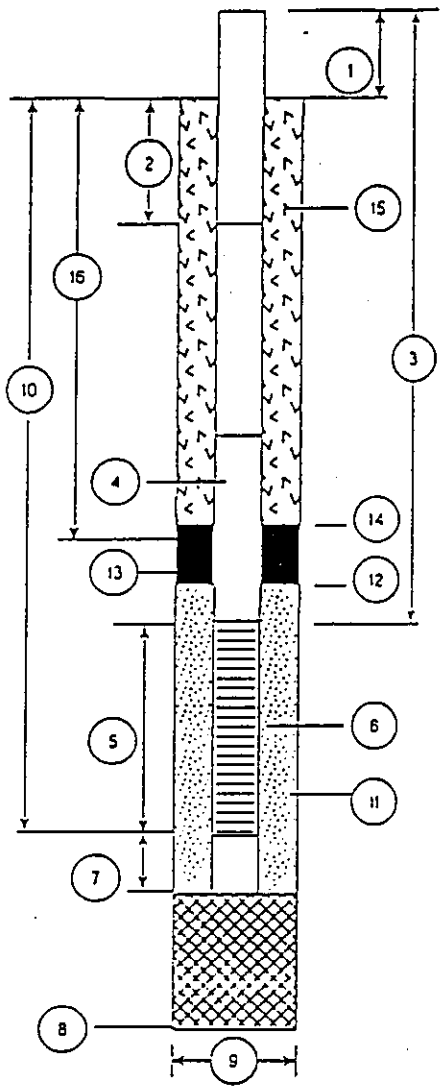
DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.



WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-13-06

DATE OF INSTALLATION: 3/24/95

1. Height of Casing above ground: 0'
2. Depth to first Coupling: 2'
   Coupling Interval Depths: 10'
3. Total Length of Riser Pipe: 52'
4. Type of Riser Pipe: 2" DIA. PVC
5. Length of Screen: 5'
6. Type of Screen: 2" DIA. PVC, .010 SLOT
7. Length of Sump: 6"
8. Total Depth of Boring: 58'
9. Diameter of Boring: 6 1/4"
10. Depth to Bottom of Screen: 57'
11. Type of Screen Filter: SILICA SAND
    Quantity Used: 400 lbs. Size: 20/30
12. Depth to Top of Filter: 48'
13. Type of Seal: SILICA SAND
    Quantity Used: 100 lbs. 30/65
14. Depth to Top of Seal: 45'
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% CEMENT
    Method of Placement: TREMMI
16. Tot. Depth of 6 in. Steel Casing: N/A

COMMENTS ON INSTALLATION

WELL CONSTRUCTION DETAIL

PROJECT OPERATIONS PLAN

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

NTC_Ord.POP
FGB.03.94

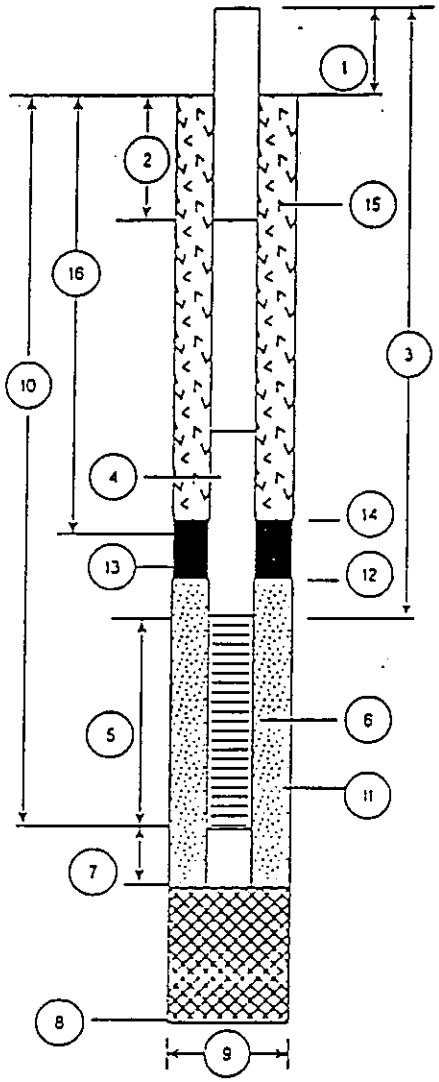
DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.

WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-13-07

DATE OF INSTALLATION: 4/3/95



1. Height of Casing above ground: 0'
2. Depth to first Coupling: 4'
   Coupling Interval Depths: 5'
3. Total Length of Riser Pipe: 4'
4. Type of Riser Pipe: 2" DIA. PVC
5. Length of Screen: 15'
6. Type of Screen: 2" DIA. PVC, .010 SLOT
7. Length of Sump: 6"
8. Total Depth of Boring: 19'
9. Diameter of Boring: 6 1/4"
10. Depth to Bottom of Screen: 18.5'
11. Type of Screen Filter: SILICA SAND
    Quantity Used: 550 lb Size: 20/30
12. Depth to Top of Filter: 4'
13. Type of Seal: BENTONITE
    Quantity Used: 20 lbs
14. Depth to Top of Seal: 3'
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% PORTLAND
    Method of Placement: POURED
16. Tot. Depth of 8 in. Steel Casing: N/A

COMMENTS ON INSTALLATION

WCHC

WELL CONSTRUCTION DETAIL

PROJECT OPERATIONS PLAN

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

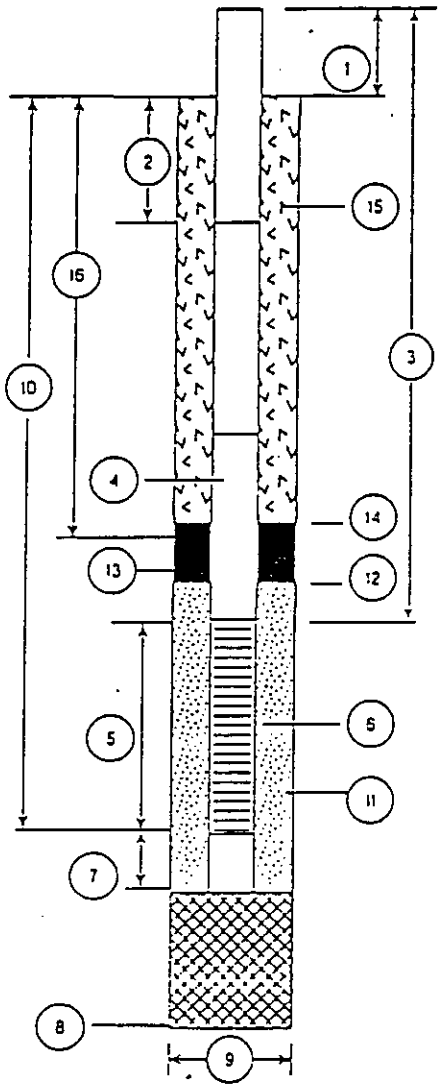
DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.

WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-13-CB

DATE OF INSTALLATION: 3/30/95



1. Height of Casing above ground: 0'
2. Depth to first Coupling: 7'
   Coupling Interval Depths: 10'
3. Total Length of Riser Pipe: 57'
4. Type of Riser Pipe: 2" DIA. PVC
5. Length of Screen: 5'
6. Type of Screen: 2" DIA. PVC, .010 SLOT
7. Length of Sump: 2'
8. Total Depth of Boring: 64'
9. Diameter of Boring: 6¼"
10. Depth to Bottom of Screen: 62'
11. Type of Screen Filter: SILICA SAND
    Quantity Used: 50 lb. (25 lb.) Size: 30/65 (20/30)
12. Depth to Top of Filter: 54
13. Type of Seal: BENTONITE
    Quantity Used: 25 lbs
14. Depth to Top of Seal: 53
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% PORTLAND
    Method of Placement: TREMMI
16. Tot. Depth of 8 in. Steel Casing: N/A

COMMENTS ON INSTALLATION

WCH-1C

WELL CONSTRUCTION DETAIL

PROJECT OPERATIONS PLAN

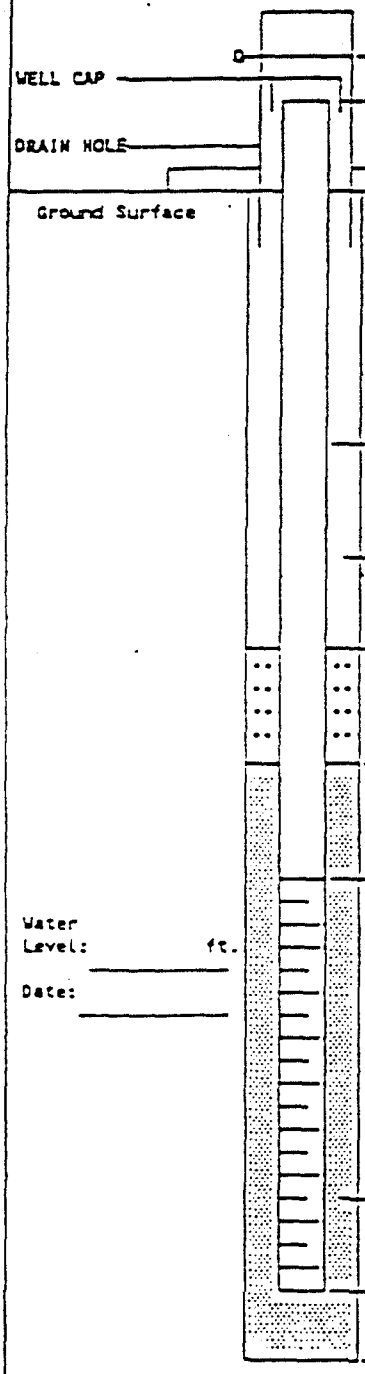
NAVAL TRAINING CENTER
ORLANDO, FLORIDA

WELL INSTALLATION DIAGRAM

PROJECT: OU 4 IRA
PROJECT No.: 8519.70
ELEVATION:
FIELD GEOLOGIST: John Nash

SITE NAME: Area C
DATE INSTALLED: 5/31/96
DRILLING METHOD: Hollow Stem Auger
AUGER SIZE: 8" OD

Site: NTC Orlando
Well ID: OLD 13.09



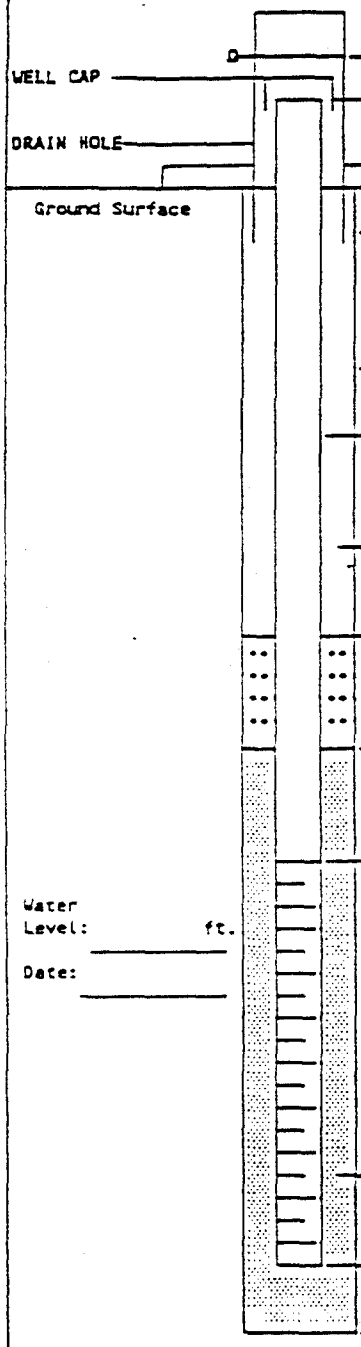
ELEVATION OF TOP OF PROTECTIVE CASING: 3'
ELEVATION OF TOP OF WELL RISER: 2.5'
GRAVEL PAD
OUTSIDE DIAMETER OF SURFACE CASING: —
BOREHOLE DIAMETER: 8"
WELL RISER ID: 2"
TYPE OF RISER: 2" Stainless Steel
TYPE OF BACKFILL: Grout / 96% Type I Portland Cement 4% Bentonite Gel
DEPTH TO TOP OF SEAL: 0' bls
TYPE OF SEAL: Bentonite pellets
DEPTH TO TOP OF SAND PACK: 0.5' bls
DEPTH TO TOP OF WELL SCREEN: 1' bls
TYPE OF WELL SCREEN: 2" Stainless Steel
WELL SCREEN ID: 2"
WELL SCREEN SLOT SIZE: 10
LENGTH OF WELL SCREEN: 10'
TYPE OF SAND PACK: 20/30 Foster Dixiana Filter Sand
DEPTH TO BOTTOM OF WELL SCREEN: 11' bls
DEPTH OF BOREHOLE: 12' bls

WELL INSTALLATION DIAGRAM

PROJECT: OU 4 IRA
PROJECT No.: 8519.70
ELEVATION:
FIELD GEOLOGIST: John Nash

SITE NAME: Area C
DATE INSTALLED: 6/2/96
DRILLING METHOD: Mud Rotary
AUGER SIZE: 6"

Site: NTC Orlando
Well ID: OLD-13-10



ELEVATION OF TOP OF PROTECTIVE CASING: 3'

ELEVATION OF TOP OF WELL RISER: 2.5'

GRAVEL PAD

OUTSIDE DIAMETER OF SURFACE CASING: 8"

BOREHOLE DIAMETER: 6"

WELL RISER ID: 2"

TYPE OF RISER: 2" Stainless Steel

TYPE OF BACKFILL: Grout / 96% Type I Portland Cement 4% Bentonite Gel

DEPTH TO TOP OF SEAL: 12' bls

TPYE OF SEAL: Bentonite pellets

DEPTH TO TOP OF SAND PACK: 15' bls

DEPTH TO BOTTOM OF SURFACE CASING: 15' bls

DEPTH TO TOP OF WELL SCREEN: 16' bls

TYPE OF WELL SCREEN: 2" Stainless Steel

WELL SCREEN ID: 2"

WELL SCREEN SLOT SIZE: 10

LENGTH OF WELL SCREEN: 5'

TYPE OF SAND PACK: 20/30 Foster Dixiana Filter Sand

DEPTH TO BOTTOM OF WELL SCREEN: 21' bls

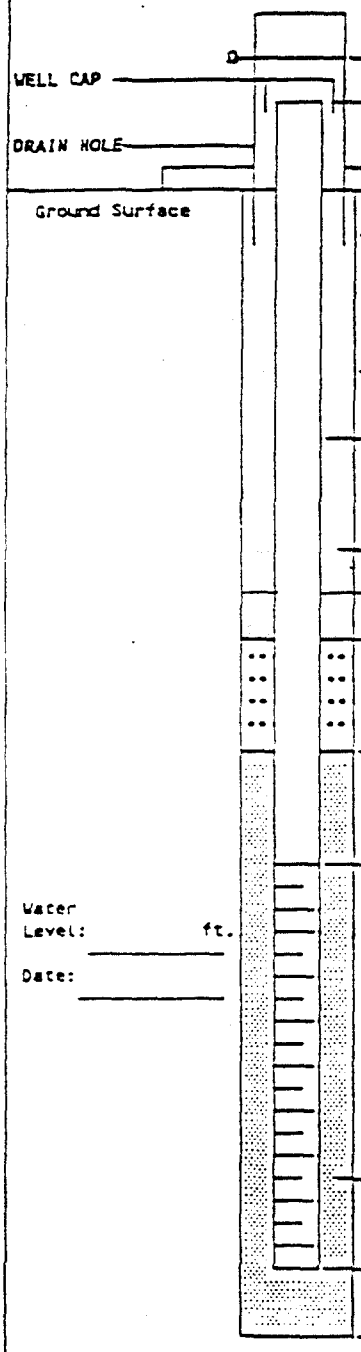
DEPTH OF BOREHOLE: 21' bls

WELL INSTALLATION DIAGRAM

PROJECT: OU 4 IRA
PROJECT No.: 8519.70
ELEVATION:
FIELD GEOLOGIST: John Nash

SITE NAME: Area C
DATE INSTALLED: 6/2/96
DRILLING METHOD: Mud Rotary
AUGER SIZE: 6"

Site: NTC Orlando
Well ID: OLD-13-11



ELEVATION OF TOP OF PROTECTIVE CASING: 3'

ELEVATION OF TOP OF WELL RISER: 2.5'

GRAVEL PAD

OUTSIDE DIAMETER OF SURFACE CASING: 8"

BOREHOLE DIAMETER: 6"

WELL RISER ID: 2"

TYPE OF RISER : 2" Stainless Steel

TYPE OF BACKFILL: 96% Type I Portland Cement Grout - 4% Bentonite Gel

DEPTH TO BOTTOM OF SURFACE CASING: 35.5' bls

DEPTH TO TOP OF SEAL: 52' bls

TPYE OF SEAL: Bentonite pellets

DEPTH TO TOP OF SAND PACK: 55' bls

DEPTH TO TOP OF WELL SCREEN: 57' bls

TYPE OF WELL SCREEN: 2" Stainless Steel

WELL SCREEN ID: 2"

WELL SCREEN SLOT SIZE: 10

LENGTH OF WELL SCREEN: 5'

TYPE OF SAND PACK: 20/30 Foster Dixiana Filter Sand

DEPTH TO BOTTOM OF WELL SCREEN: 62' bls

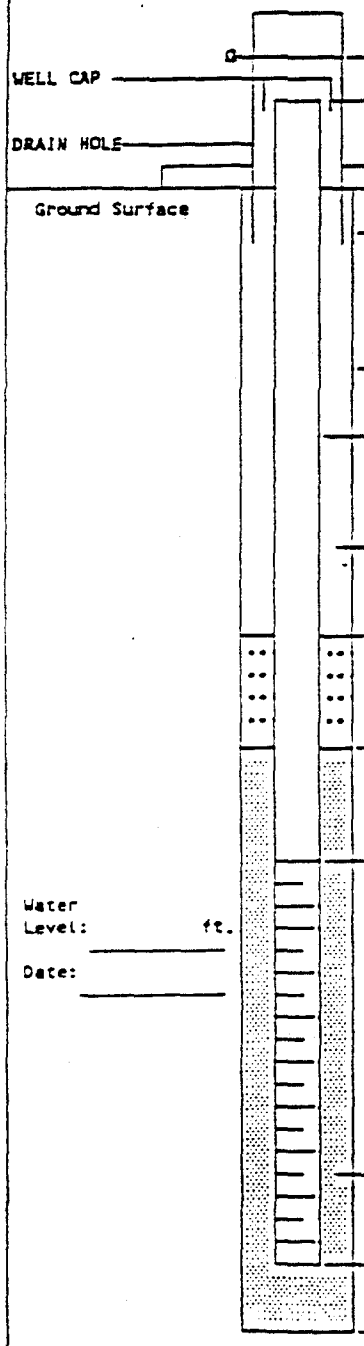
DEPTH OF BOREHOLE: 62' bls

WELL INSTALLATION DIAGRAM

PROJECT: OU4 IRA
PROJECT No.: 8519.70
ELEVATION:
FIELD GEOLOGIST: John Nash

SITE NAME: Area C
DATE INSTALLED: 6/4/96
DRILLING METHOD: Hollow Stem Auger
AUGER SIZE: 8" O.D.

Site: NTC Orlando
Well ID: OLD-13-12



ELEVATION OF TOP OF PROTECTIVE CASING: 3'

ELEVATION OF TOP OF WELL RISER: 2.5'

GRAVEL PAD

OUTSIDE DIAMETER OF SURFACE CASING: —

BOREHOLE DIAMETER: 8"

WELL RISER ID: 2"

TYPE OF RISER: Stainless Steel

TYPE OF BACKFILL: Grout / 96% Type I Portland Cement 4% Bentonite Gel

DEPTH TO TOP OF SEAL: 0' bls

TPYE OF SEAL: Bentonite pellets

DEPTH TO TOP OF SAND PACK: 1' bls.

DEPTH TO TOP OF WELL SCREEN: 1.5' bls

TYPE OF WELL SCREEN: Stainless Steel

WELL SCREEN ID: 2"

WELL SCREEN SLOT SIZE: 10

LENGTH OF WELL SCREEN: 10'

TYPE OF SAND PACK: 20/30 Foster Dixiana Filter Sand

DEPTH TO BOTTOM OF WELL SCREEN: 11.5' bls

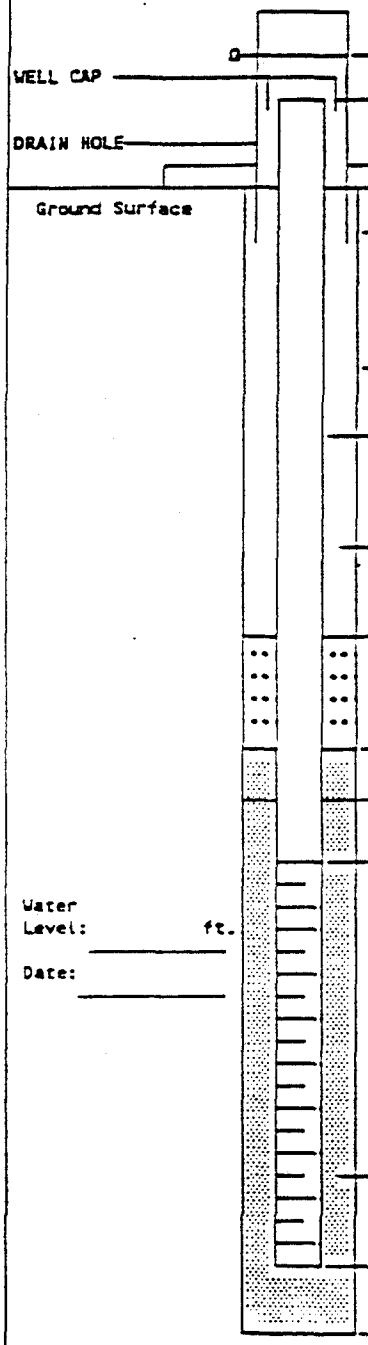
DEPTH OF BOREHOLE: 11.5' bls

WELL INSTALLATION DIAGRAM

PROJECT: OU 4 IRA
PROJECT No.: 8519.70
ELEVATION:
FIELD GEOLOGIST: John Nash

SITE NAME: Area C
DATE INSTALLED: 6/4/96
DRILLING METHOD: Mud Rotary
AUGER SIZE: 6"

Site: NTC Orlando
Well ID: OLD-13-13



ELEVATION OF TOP OF PROTECTIVE CASING: 3'

ELEVATION OF TOP OF WELL RISER: 2.5'

GRAVEL PAD

OUTSIDE DIAMETER OF SURFACE CASING: 8"

BOREHOLE DIAMETER: 6"

WELL RISER ID: 2"

TYPE OF RISER: Stainless Steel

TYPE OF BACKFILL: Grout / 96% Type I Portland Cement 4% Bentonite Gel

DEPTH TO TOP OF SEAL: 10' bls

TPYE OF SEAL: Bentonite pellets

DEPTH TO TOP OF SAND PACK: 14' bls

DEPTH TO BOTTOM OF SURFACE CASING: 15.5' bls

DEPTH TO TOP OF WELL SCREEN: 16' bls

TYPE OF WELL SCREEN: Stainless Steel

WELL SCREEN ID: 2"

WELL SCREEN SLOT SIZE: 10

LENGTH OF WELL SCREEN: 5'

TYPE OF SAND PACK: 20/30 Foster Dickson Filter Sand

DEPTH TO BOTTOM OF WELL SCREEN: 21' bls

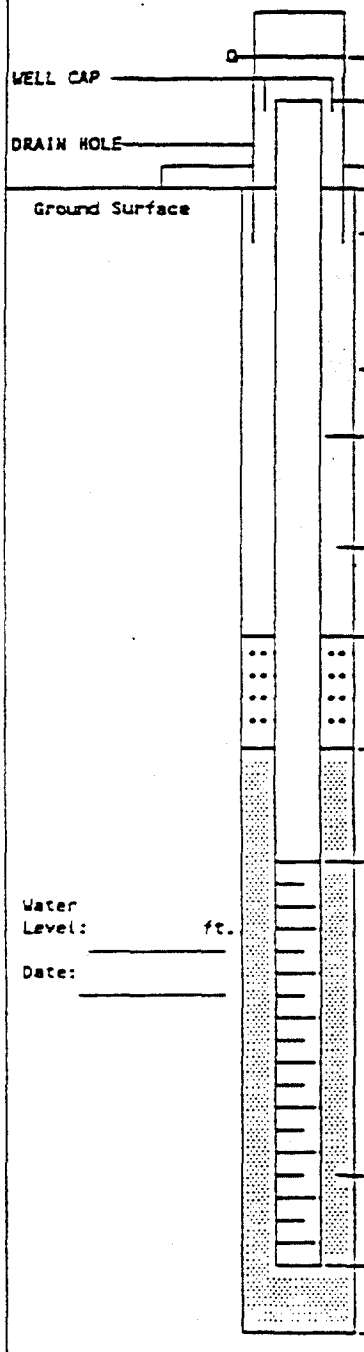
DEPTH OF BOREHOLE: 21' bls

WELL INSTALLATION DIAGRAM

PROJECT: OU4 IRA
PROJECT No.: 8519.20
ELEVATION:
FIELD GEOLOGIST: John Nash

SITE NAME: Area C
DATE INSTALLED: 6/4/96
DRILLING METHOD: Mud Rotary
AUGER SIZE: 6"

Site: NTC Orlando
Well ID: OLD-13-14



ELEVATION OF TOP OF PROTECTIVE CASING: 3'

ELEVATION OF TOP OF WELL RISER: 2.5'

GRAVEL PAD

OUTSIDE DIAMETER OF SURFACE CASING: 8"

BOREHOLE DIAMETER: 6"

WELL RISER ID: 2"

TYPE OF RISER: Stainless Steel

TYPE OF BACKFILL: Grout / 96% Type I Portland Cement 4% Bentonite Gel

DEPTH TO BOTTOM OF SURFACE CASING: 45' bls

DEPTH TO TOP OF SEAL: 53' bls

TPYE OF SEAL: Bentonite pellets

DEPTH TO TOP OF SAND PACK: 55' bls

DEPTH TO TOP OF WELL SCREEN: 57' bls

TYPE OF WELL SCREEN: stainless Steel

WELL SCREEN ID: 2"

WELL SCREEN SLOT SIZE: 10

LENGTH OF WELL SCREEN: 5'

TYPE OF SAND PACK: 20/30 Foster Dickson Filter Sand

DEPTH TO BOTTOM OF WELL SCREEN: 62' bls

DEPTH OF BOREHOLE: 62' bls

AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.		WELL NO.: OLD-13-21B
JOB NO.: T7027.12	SITE: OU-4, Orlando, FL	COORDINATES: 1536808.445N, 544756.785E	
BEGUN: 11/14/97	COMPLETED: 11/14/97	PREPARED BY: R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS: Top of PVC 108.67

GENERALIZED GEOLOGIC LOG

0-16 ft, Sand (SP)
Olive black (5Y 2/1), very fine to fine grained, loose, wet at 2 ft bls, little silt.

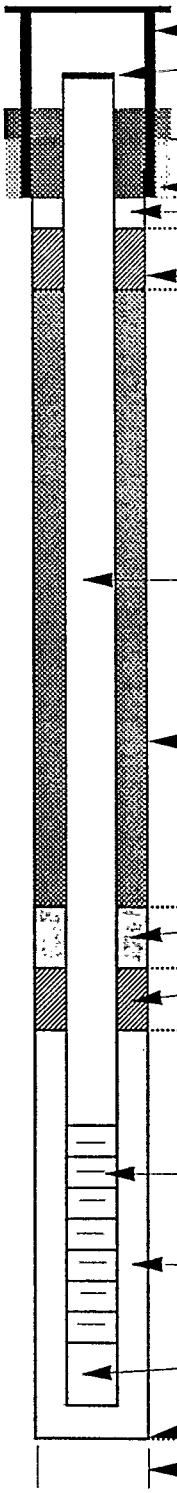
16 - 22 ft, Sand (SP)
Dark yellowish brn (10YR 4/2) to dusky yellowish brn (10YR 2/2), fine grained, dense, slightly cemented, rounded, tr silt, clear quartz grains.

Blows at 17-18 ft bls 50/4

22 - 27 ft, Sand (SP)
Grayish brn (5YR 3/2), v. fine to med. grained, loose, rounded, clear quartz grains, trace silt

27 - 33 ft, Sand (SW)
Moderate yellowish brown (10YR 5/4), fine to very coarse grained, loose, rounded, clear quartz grains, trace silt, slightly cemented with nodules.

Blows at 29-30 ft bsl 1/1/0/2



	DEPTH	ELEV.
4-in Protective Casing with Cover and Lock		
2-in Sch. 40 PVC Riser with end plug	2.0	108.67
	0.5	106.69
2X2 ft Concrete pad	0.0	106.19
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	105.19
#00N Morie Sandbridge (1.0 - 1.5 ft bls)	1.5	104.69
1/4 in bentonite tablets (1.5 - 2.5 ft bls)	2.5	103.69
2-inch Sch. 40 PVC Riser Casing		
Cement/Bentonite Grout (2.5-22.0 ft bls)		
	22.0	84.19
#00N Morie Sandbridge (22.0-23.0 ft bls)		
	23.0	83.19
3/8 in bentonite tablets (23.0 -25.0 ft bls)		
	25.0	81.19
2-inch Sch. 40 PVC 10 slot Slotted Screen (27.0-32.0 ft bls)		
#1 Morie Filterpack (25.0-33.0 ft bls)		
	32.0	74.19
2 in Sch. 40 Sump (32.0-32.5 ft bls)		
	32.5	73.69
Bottom of Borehole (33.0 ft bls)	33.0	73.19
Bore hole DIA: 8 inch		

Not to Scale

AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.		WELL NO.: OLD-13-22B
JOB NO.: T7027.12	SITE: OU-4, Orlando, FL	COORDINATES: 1536809.983N, 544689.099E	
BEGUN: 11/21/97	COMPLETED: 11/21/97	PREPARED BY: R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS: Top of PVC 107.05

GENERALIZED GEOLOGIC LOG

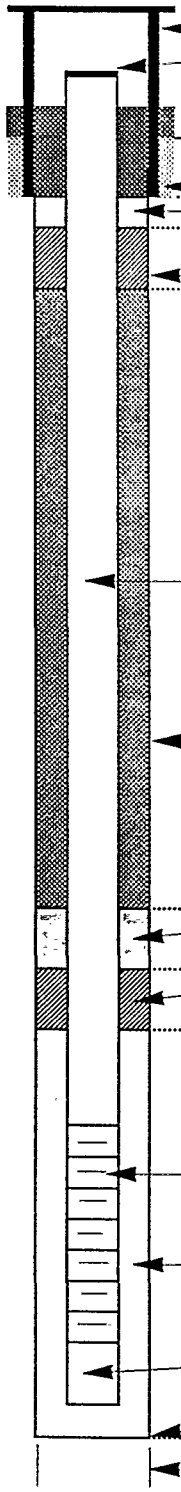
0-15 ft, Sand (SP)
Brownish black (5YR 2/1), v. fine to fine grained, loose, tr. silt, clear quartz grains, wet at 2.5 ft bls.

15 - 20 ft, Sand (SP)
Moderate brown (5YR 3/4) to grayish brn., (5YR 3/2) v fine to fine grained, very dense, sub-rounded, little silt, tr. cemented nodules that breakup between fingers, clear quartz
Blows at 18-19 ft bls 10-27-28-30 80% rec.

20 - 29 ft, Sand (SP)
Brownish black (5YR 2/1), fine grained, loose,subrounded quartz, tr. medium sand, tr. silt.

29 - 32 ft, Sand (SW)
Moderate yellowish brown (10YR 5/4), fine to very coarse grained, loose, sub-round, tr. dark grains, trace silt, slightly cemented with nodules.

Blows at 30-31 ft bls 1-1-2-1 100% rec.



	DEPTH	ELEV.
4-in Protective Casing with Cover and Lock		
2-in Sch. 40 PVC Riser with end plug	2.4	107.05
	0.5	105.10
2X2 ft Concrete pad	0.0	104.60
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	103.60
#00N Morie Sandbridge (1.0 - 1.5 ft bls)	1.5	103.10
1/4 in bentonite tablets (1.5 - 2.5 ft bls)	2.5	102.10
2-inch Sch. 40 PVC Riser Casing		
Cement/Bentonite Grout (2.5-22.0 ft bls)		
	22.0	82.60
#00N Morie Sandbridge (22.0-23.0 ft bls)	23.0	81.60
1/4 in bentonite tablets (23.0 -25.0 ft bls)	25.0	79.60
	27.0	77.60
2-inch Sch. 40 PVC 10 slot Slotted Screen (27.0-32.0 ft bls)		
#1 Morie Filterpack (25.0-32.5 ft bls)		
	32.0	72.60
2 in Sch. 40 Sump (32.0-32.5 ft bls)	32.5	72.10
Bottom of Borehole (32.5 ft bls)	32.5	72.10
Bore hole DIA: 8 inch		

Not to Scale

AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.		WELL NO.: OLD-13-23B
JOB NO.: T7027.12	SITE: OU-4, Orlando, FL	COORDINATES: 1536807.232N, 544608.495E	
BEGUN: 11/13/97	COMPLETED: 11/13/97	PREPARED BY: R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS: Top of PVC 106.37

GENERALIZED GEOLOGIC LOG

0-15 ft, Sand (SP)
Olive black (5Y 2/1), very fine to fine grained, loose, wet at 2 ft bls, little silt.

Blows at 8-9 ft bls 2-2-3 80% rec.

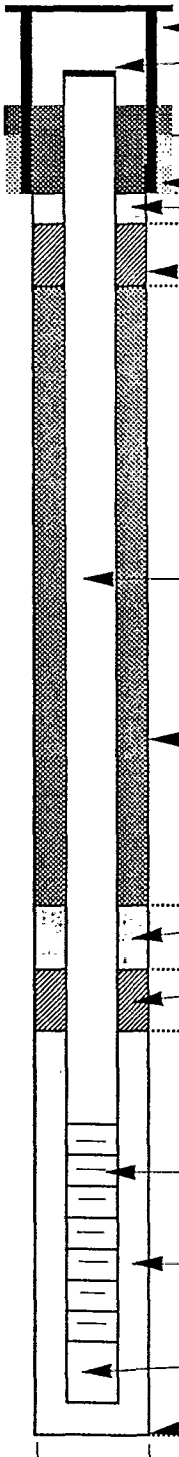
15 - 22 ft, Sand (SP)
Grayish brown (5YR 3/2), medium to coarse grained, very dense, rounded, clear quartz grains, coarse to v. coarse nodules that breakup between fingers.

Blows at 16-17 ft bls 14-38-50/4 60% rec.

22 - 27 ft, Sand (SP)
Brownish black (5YR 2/1), fine grained, loose, subrounded quartz, tr medium sand, tr. silt.

27 - 33 ft, Sand (SW)
Color change to mod yellowish (10YR 5/4) dense, tr drk grains

Blows at 30-31 ft bls 11-15-15 60% rec.



	DEPTH	ELEV.
4-in Protective Casing with Cover and Lock		
2-in Sch. 40 PVC Riser with end plug	2.4	106.37
	0.5	104.46
2X2 ft Concrete pad	0.0	103.96
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	102.96
#00N Morie Sandbridge (1.0 - 1.5 ft bls)	1.5	102.46
3/8 in bentonite tablets (1.5 - 2.5 ft bls)	2.5	101.46
2-inch Sch. 40 PVC Riser Casing		
Cement/Bentonite Grout (2.5-21.0 ft bls)		
	21.0	82.96
#00N Morie Sandbridge (21.0-22.5 ft bls)		
	22.5	81.46
3/8 in bentonite tablets (22.5 -25.0 ft bls)		
	25.0	78.96
	26.0	77.96
2-inch Sch. 40 PVC 10 slot Slotted Screen (26.0-31.0 ft bls)		
#1 Morie Filterpack (25.0-32.0 ft bls)		
	31.0	72.96
2 in Sch. 40 Sump (31.0-31.5 ft bls)		
	31.5	72.46
Bottom of Borehole (32.0 ft bls)	32.0	71.96
Bore hole DIA: 8 inch		

Not to Scale

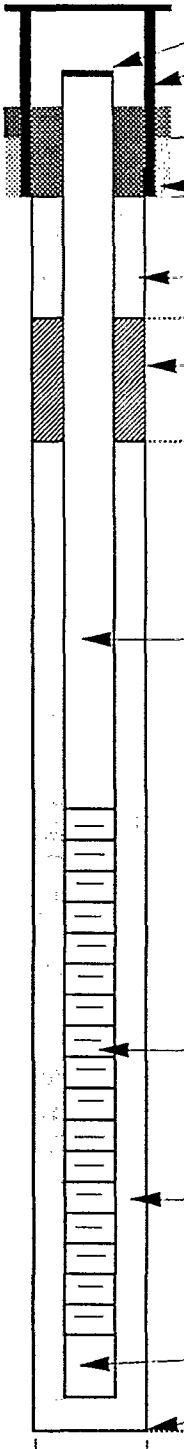
SBP Technologies, Inc.

AS-BUILT

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.		WELL NO.: OLD-13-24A
JOB NO.: T7027.12	SITE: OU-4, Orlando, FL	COORDINATES: 1536724.201N, 544595.849E	
BEGUN: 11/18/97	COMPLETED: 11/18/97	PREPARED BY: R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS: Top of PVC 106.85

GENERALIZED GEOLOGIC LOG

0 - 13.0 ft, Sand (SP)
Medium dark grey (N4), fine to medium grained, loose, rounded, clear quartz grained, tr. silt, wet at 2.5 ft bls.



	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	2.2	106.85
4-in Protective Casing with Cover and Lock	0.6	105.17
2X2 ft Concrete pad	0.0	104.55
Cement/bentonite Seal (0.0 - 0.5 ft bls)	0.5	104.05
#00N Morie Sandbridge (0.5 - 1.0 ft bls)	1.0	103.55
3/8 in bentonite tablets (1.0 - 1.5 ft bls)	1.5	103.05
2-inch Sch. 40 PVC Riser Casing		
	2.7	101.85
2-inch Sch. 40 PVC 10 slot Slotted Screen (2.7-12.7 ft bls)		
#1 Morie Filterpack (1.5-13.0 ft bls)		
	12.7	91.85
2 in Sch. 40 Sump (12.7-13.0 ft bls)	13.0	91.55
Bottom of Borehole (13.0 ft bls)	13.0	91.55

Bore hole DIA: 8 inch

Not to Scale

AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.		WELL NO.: OLD-13-25B
JOB NO.: T7027.12	SITE: OU-4, Orlando, FL	COORDINATES: 1536728.647N, 544597.422E	
BEGUN: 11/18/97	COMPLETED: 11/18/97	PREPARED BY: R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS: Top of PVC 107.00

GENERALIZED GEOLOGIC LOG

0-13 ft, Sand (SP)
Medium dark gray (N4), fine to medium grained, loose, rounded, clear quartz grain, tr. silt. Wet at 2.0 ft bls.

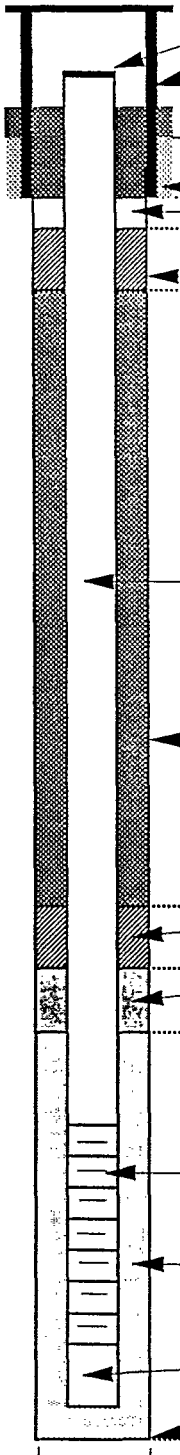
Blows at 8-9 ft bls 4-5-3-3

13 - 16 ft, Sand (SP)
Dark yellowish brown (10YR 4/2) to dusky yellowish brown (10YR 2/2), fine grained, dense, slightly cemented, rounded, tr. silt, clear quartz grains.

16 - 23 ft, Sand (SP)
Grayish brown (5YR 3/2), v fine to medium grained, loose, rounded, clear quartz grained, tr. sile.

Blows at 21-22 ft bls 8-18-18-24 80% rec
Color change @ 22.8 ft bls reddish brn.

23 - 24 ft, Sand (SW)
Moderate brown (10YR 3/4), fine to very coarse grained, dense, rounded, tr silt clear quartz grains



	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	1.5	107.00
4-in Protective Casing with Cover and Lock	0.5	105.09
2X2 ft Concrete pad	0.0	104.59
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	103.59
#00N Morie Sandbridge (1.0 - 1.5 ft bls)	1.5	103.09
1/4 in bentonite tablets (1.5 - 2.5 ft bls)	2.5	102.09
2-inch Sch. 40 PVC Riser Casing		
Cement/Bentonite Grout (2.5-12.0 ft bls)		
	12.0	92.59
#00N Morie Sandbridge (12.0-14.0 ft bls)	14.0	90.59
1/4 in bentonite tablets (14.0-16.0 ft bls)	16.0	88.59
	18.5	86.09
2-inch Sch. 40 PVC 10 slot Slotted Screen (18.5-23.5 ft bls)		
#1 Morie Filterpack (16.0-24.0 ft bls)		
	23.5	81.09
2 in Sch. 40 Sump (23.5-23.8 ft bls)	23.8	80.79
Bottom of Borehole (24.0 ft bls)	24.0	80.59

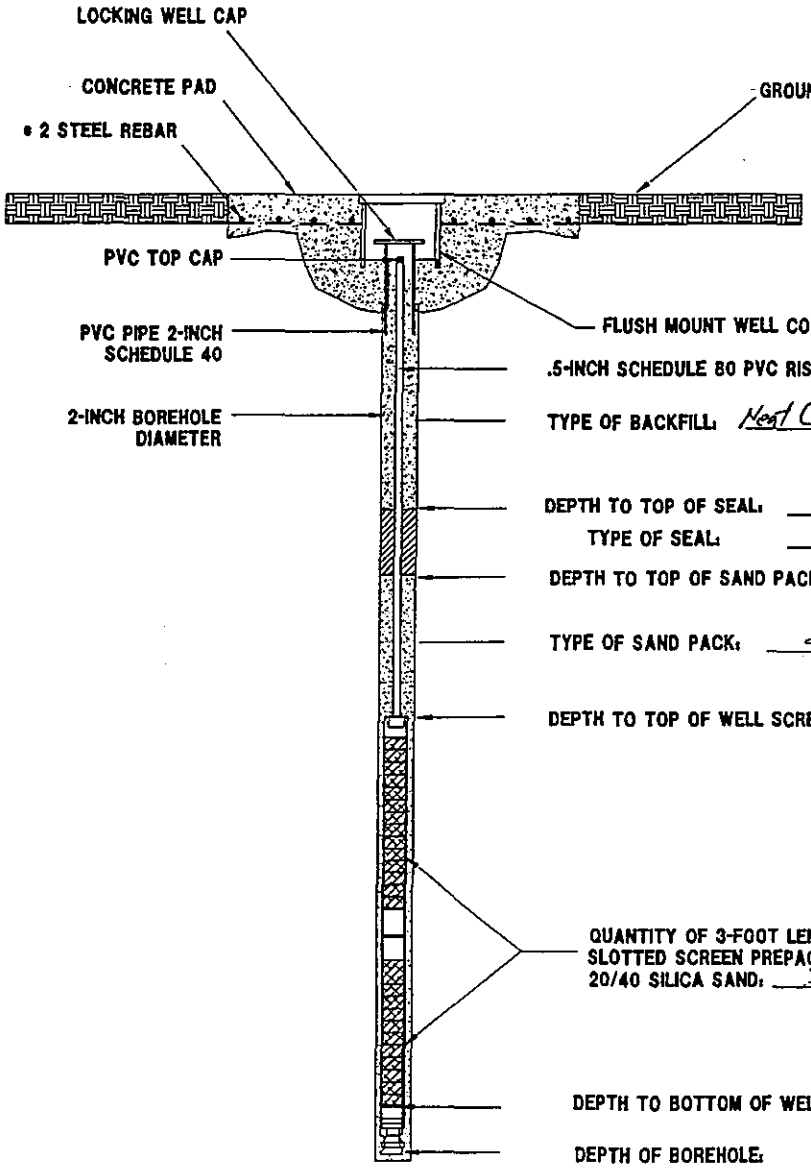
Bore hole DIA: 8 inch

Not to Scale

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC Orlando RI
PROJECT NO: 2545.05
WELL ID: OLD-13-27A
FIELD PERSONNEL: J. Nash

SITE NAME: SA 13
DATE INSTALLED: 11/4/97
INSTALLATION METHOD: Terraprobe



TYPE OF BACKFILL: Neat Cement Grout

DEPTH TO TOP OF SEAL: 1 ft

TYPE OF SEAL: 30/65

DEPTH TO TOP OF SAND PACK: 3 ft

TYPE OF SAND PACK: 20/30

DEPTH TO TOP OF WELL SCREEN: 6.5 ft

QUANTITY OF 3-FOOT LENGTH .010-INCH SLOTTED SCREEN PREPACKED WITH 20/40 SILICA SAND: 3

DEPTH TO BOTTOM OF WELL SCREEN: 15.5 ft

DEPTH OF BOREHOLE: 15.5 ft

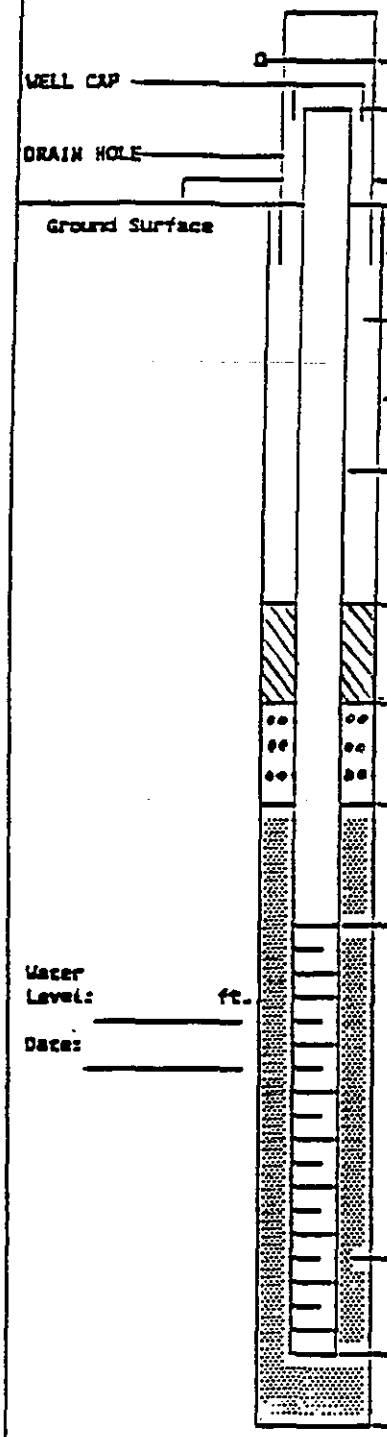
NOT TO SCALE

WELL INSTALLATION DIAGRAM

PROJECT: NTC Orlando
PROJECT No.: 2545.05
ELEVATION:
FIELD GEOLOGIST: J. Nash

SITE NAME: Area C
DATE INSTALLED: 12/17/97
DRILLING METHOD: Rotosonic
AUGER SIZE: 6 in.

Site: OU4
Well ID: OLD-13-33



ELEVATION OF TOP OF PROTECTIVE CASING: _____

ELEVATION OF TOP OF WELL RISER: _____

GRAVEL PAD

OUTSIDE DIAMETER OF SURFACE CASING: —

TYPE OF BACKFILL: Neat Cement Grout

BOREHOLE DIAMETER: 6 in.

WELL RISER ID: 2 in

TYPE OF RISER: Sch 40 PVC

DEPTH TO TOP OF FINE SAND: —

TYPE OF FINE SAND: —

DEPTH TO TOP OF BENTONITE SEAL: 1 ft BLS

TYPE OF SEAL: Med. Bentonite Chips

DEPTH TO TOP OF SAND PACK: 1.5 ft

DEPTH TO TOP OF WELL SCREEN: 2.5 ft

TYPE OF WELL SCREEN: Sch 40 PVC

WELL SCREEN ID: 2 in.

WELL SCREEN SLOT SIZE: .020 in

LENGTH OF WELL SCREEN: 10 ft

TYPE OF SAND PACK: 20/30

DEPTH TO BOTTOM OF WELL SCREEN: 12.5 ft

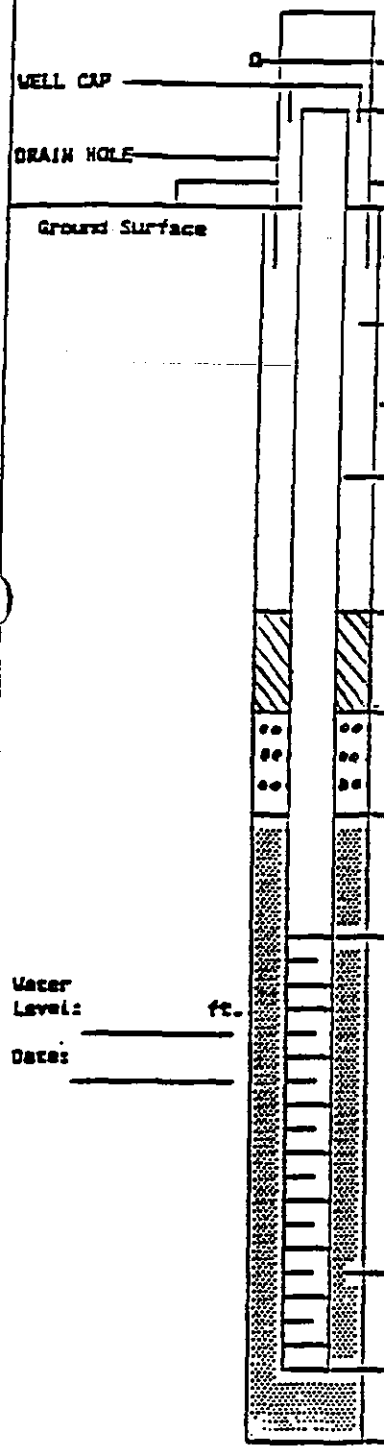
DEPTH OF BOREHOLE: 13 ft

WELL INSTALLATION DIAGRAM

PROJECT: NTC Orlando
PROJECT No.: 2545.05
ELEVATION:
FIELD GEOLOGIST: J. Nash

SITE NAME: Area C
DATE INSTALLED: 12/17/97
DRILLING METHOD: Roto sonic
AUGER SIZE: 6 in

Site: OU4
Well ID: OLD-13-34



ELEVATION OF TOP OF PROTECTIVE CASING: _____

ELEVATION OF TOP OF WELL RISER: _____

GRAVEL PAD

OUTSIDE DIAMETER OF SURFACE CASING: —

TYPE OF BACKFILL: Neat Cement Grout

BOREHOLE DIAMETER: 6 in

WELL RISER ID: 2 in

TYPE OF RISER: Sch 40 PVC

DEPTH TO TOP OF FINE SAND: 11 ft BLS

TYPE OF FINE SAND: 20/30

DEPTH TO TOP OF BENTONITE SEAL: 13 ft

TYPE OF SEAL: Med Bentonite Chips

DEPTH TO TOP OF SAND PACK: 17.5 ft

DEPTH TO TOP OF WELL SCREEN: 20 ft

TYPE OF WELL SCREEN: Sch 40 PVC

WELL SCREEN ID: 2 in

WELL SCREEN SLOT SIZE: .020 in

LENGTH OF WELL SCREEN: 5 ft

TYPE OF SAND PACK: 20/30

DEPTH TO BOTTOM OF WELL SCREEN: 25 ft

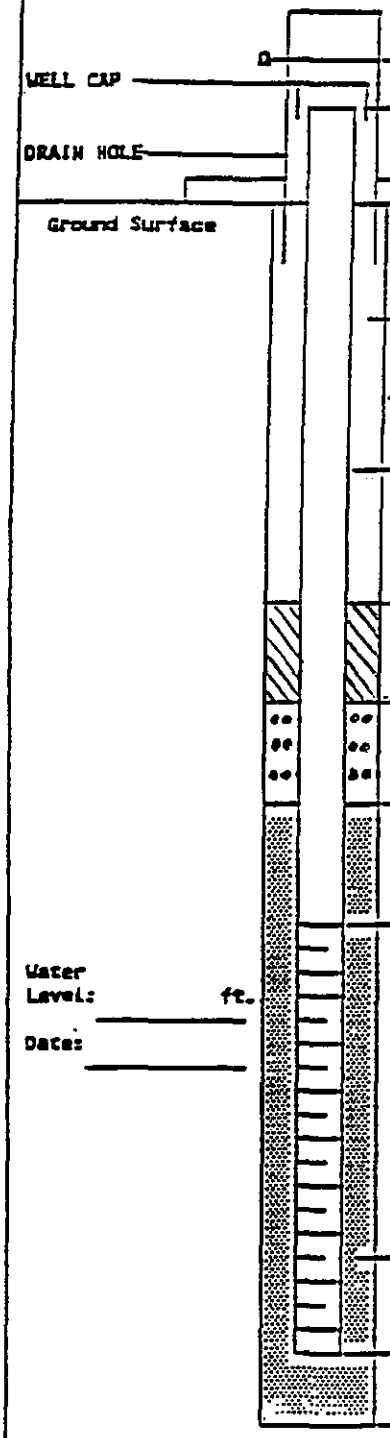
DEPTH OF BOREHOLE: 25 ft

WELL INSTALLATION DIAGRAM

PROJECT: NTC Orlando
PROJECT No.: 2545.05
ELEVATION:
FIELD GEOLOGIST: J. Nash

SITE NAME: Area C.
DATE INSTALLED: 12/17/93
DRILLING METHOD: Rotosonic
AUGER SIZE: 6 in.

Site: OU4
Well ID: OLD-13-35



ELEVATION OF TOP OF PROTECTIVE CASING: _____

ELEVATION OF TOP OF WELL RISER: _____

GRAVEL PAD

OUTSIDE DIAMETER OF SURFACE CASING: _____

TYPE OF BACKFILL: Neat Cement Grout

BOREHOLE DIAMETER: 6 in

WELL RISER ID: 2 in

TYPE OF RISER: Sch 40 PVC

DEPTH TO TOP OF FINE SAND: 41 ft BLS

TYPE OF FINE SAND: 20/30

DEPTH TO TOP OF BENTONITE SEAL: 43 ft

TYPE OF SEAL: Med. Bentonite Chips

DEPTH TO TOP OF SAND PACK: 49 ft

DEPTH TO TOP OF WELL SCREEN: 51 ft

TYPE OF WELL SCREEN: Sch 40 PVC

WELL SCREEN ID: 2 in

WELL SCREEN SLOT SIZE: .020 in.

LENGTH OF WELL SCREEN: 5 ft

TYPE OF SAND PACK: 20/30

DEPTH TO BOTTOM OF WELL SCREEN: 56 ft

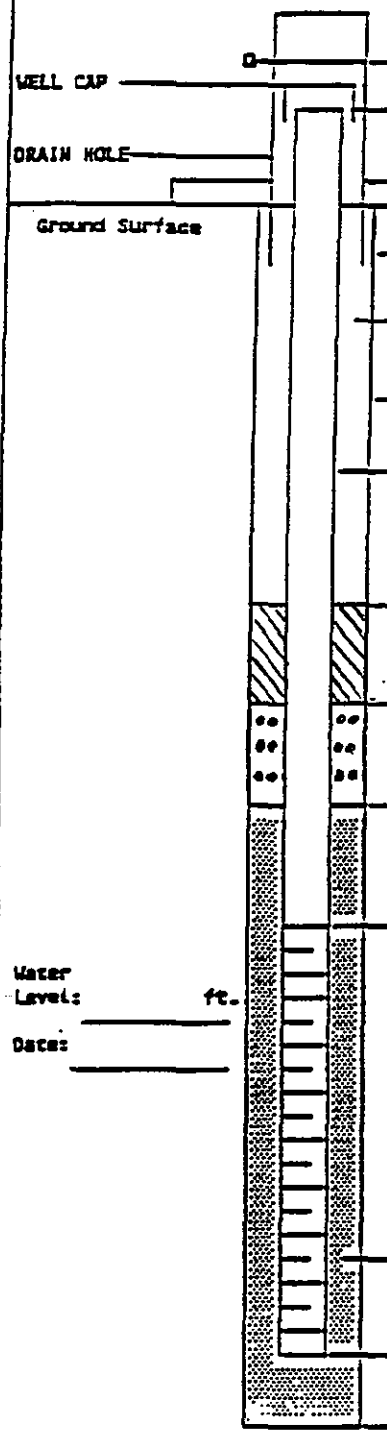
DEPTH OF BOREHOLE: 56 ft

WELL INSTALLATION DIAGRAM

PROJECT: NTC Orlando
PROJECT No.: 2545.05
ELEVATION:
FIELD GEOLOGIST: J. Nash

SITE NAME: Area C.
DATE INSTALLED: 12/13/97
DRILLING METHOD: Rotosonic
AUGER SIZE: 6 in.

Site: OU4
Well ID: OU-13-36



ELEVATION OF TOP OF PROTECTIVE CASING: _____

ELEVATION OF TOP OF WELL RISER: _____

GRAVEL PAD

OUTSIDE DIAMETER OF SURFACE CASING: —

TYPE OF BACKFILL: Neat Cement Grout

BOREHOLE DIAMETER: 6 in

WELL RISER ID: 2 in

TYPE OF RISER: Sch 40 PVC

DEPTH TO TOP OF FINE SAND: 1 ft BLS

TYPE OF FINE SAND: 20/30

DEPTH TO TOP OF BENTONITE SEAL: 2 ft

TYPE OF SEAL: Med. Bentonite chips

DEPTH TO TOP OF SAND PACK: 3 ft

DEPTH TO TOP OF WELL SCREEN: 4 ft

TYPE OF WELL SCREEN: sch 40 PVC

WELL SCREEN ID: 2 in

WELL SCREEN SLOT SIZE: .020 in.

LENGTH OF WELL SCREEN: 10 ft

TYPE OF SAND PACK: 20/30

DEPTH TO BOTTOM OF WELL SCREEN: 14 ft

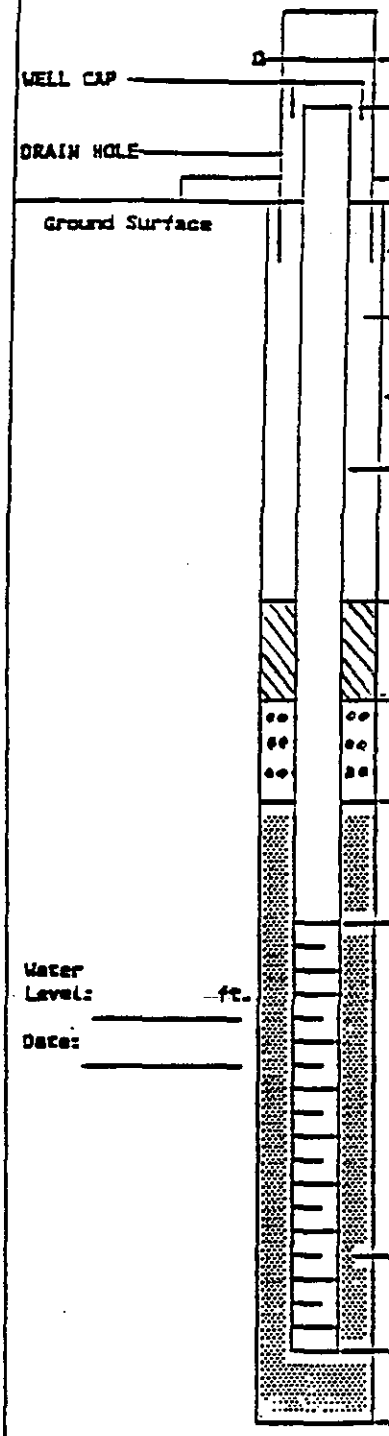
DEPTH OF BOREHOLE: 15 ft

WELL INSTALLATION DIAGRAM

PROJECT: NTC Orlando
PROJECT No.: 2545.05
ELEVATION:
FIELD GEOLOGIST: J. Nash

SITE NAME: Area C.
DATE INSTALLED: 12/13/97
DRILLING METHOD: Roto sonic
AUGER SIZE: 6 in.

Site: OU4
Well ID: OLD-13-3



ELEVATION OF TOP OF PROTECTIVE CASING: _____

ELEVATION OF TOP OF WELL RISER: _____

GRAVEL PAD

OUTSIDE DIAMETER OF SURFACE CASING: —

TYPE OF BACKFILL: Neat Grout

BOREHOLE DIAMETER: 6 in.

WELL RISER ID: 2 in.

TYPE OF RISER: Sch. 40 PVC

DEPTH TO TOP OF FINE SAND: 10 ft BLS

TYPE OF FINE SAND: 20/30

DEPTH TO TOP OF BENTONITE SEAL: 12 ft

TYPE OF SEAL: Med. Bentonite chips

DEPTH TO TOP OF SAND PACK: 13.5 ft

DEPTH TO TOP OF WELL SCREEN: 20 ft

TYPE OF WELL SCREEN: sch. 40 PVC

WELL SCREEN ID: 2 in

WELL SCREEN SLOT SIZE: .020 in.

LENGTH OF WELL SCREEN: 5 ft

TYPE OF SAND PACK: 20/30

DEPTH TO BOTTOM OF WELL SCREEN: 25 ft

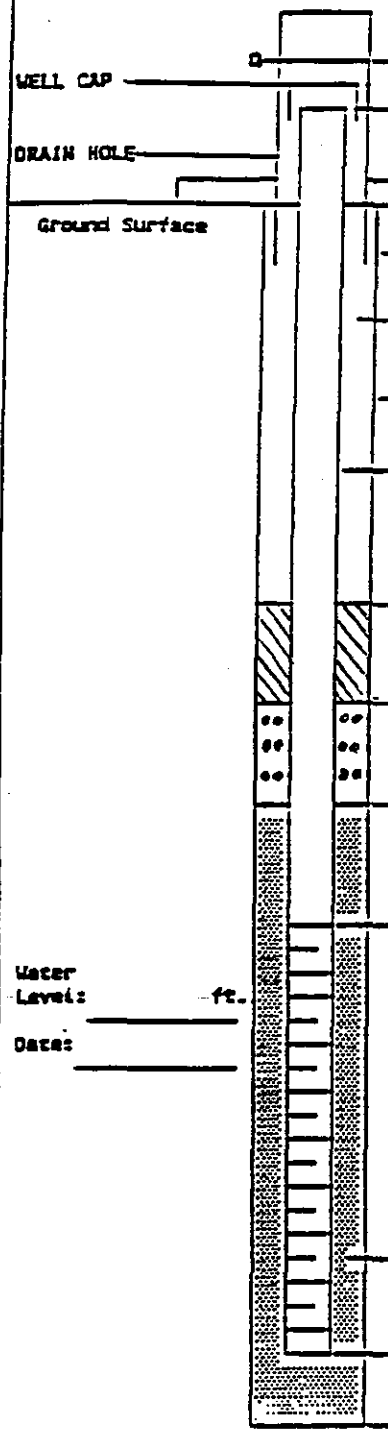
DEPTH OF BOREHOLE: 26 ft

WELL INSTALLATION DIAGRAM

PROJECT: NTC Orlando
PROJECT No.: 2545.05
ELEVATION:
FIELD GEOLOGIST: J. Nash

SITE NAME: Area C
DATE INSTALLED: 12/13/97
DRILLING METHOD: Rotosonic
AUGER SIZE: 6 in

Site: OU4
Well ID: OLD-13-38



ELEVATION OF TOP OF PROTECTIVE CASING: _____

ELEVATION OF TOP OF WELL RISER: _____

GRAVEL PAD

OUTSIDE DIAMETER OF SURFACE CASING: —

TYPE OF BACKFILL: Neat Grout

BOREHOLE DIAMETER: 6 in.

WELL RISER ID: 2 in.

TYPE OF RISER: Sch. 40 PVC

DEPTH TO TOP OF FINE SAND: 43 ft BLS

TYPE OF FINE SAND: 20/30

DEPTH TO TOP OF BENTONITE SEAL: 45 ft

TYPE OF SEAL: Med. Bentonite Chips

DEPTH TO TOP OF SAND PACK: 47.5 ft

DEPTH TO TOP OF WELL SCREEN: 50 ft

TYPE OF WELL SCREEN: .020" slot sch. 40 PVC

WELL SCREEN ID: 2 in

WELL SCREEN SLOT SIZE: .020 in

LENGTH OF WELL SCREEN: 5 ft

TYPE OF SAND PACK: 20/30

DEPTH TO BOTTOM OF WELL SCREEN: 55 ft

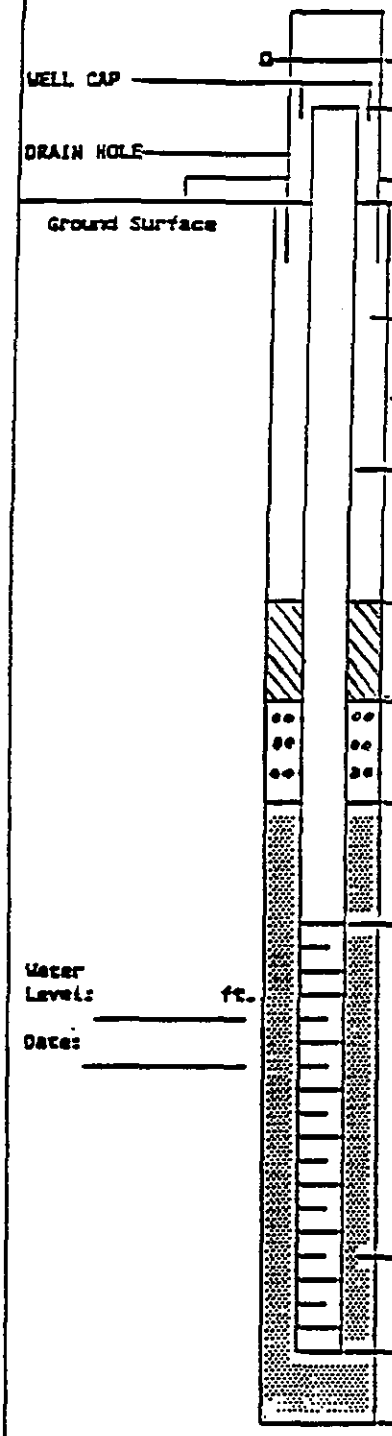
DEPTH OF BOREHOLE: 65 ft

WELL INSTALLATION DIAGRAM

PROJECT: NTC Orlando
PROJECT No.: 2545.05
ELEVATION:
FIELD GEOLOGIST: J. Nash

SITE NAME: Area C.
DATE INSTALLED: 12/15/92
DRILLING METHOD: Rotosonic
AUGER SIZE: 6 in.

Site: OU4
Well ID: OLD-13-34



ELEVATION OF TOP OF PROTECTIVE CASING: _____

ELEVATION OF TOP OF WELL RISER: _____

GRAVEL PAD

OUTSIDE DIAMETER OF SURFACE CASING: —

TYPE OF BACKFILL: Neat Cement Grout

BOREHOLE DIAMETER: 6 in

WELL RISER ID: 2 in

TYPE OF RISER: Sch 40 PVC

DEPTH TO TOP OF FINE SAND: 9 ft BLS

TYPE OF FINE SAND: 20/30

DEPTH TO TOP OF BENTONITE SEAL: 13 ft

TYPE OF SEAL: Med. Bentonite Chips

DEPTH TO TOP OF SAND PACK: 18 ft

DEPTH TO TOP OF WELL SCREEN: 20 ft

TYPE OF WELL SCREEN: Sch 40 PVC

WELL SCREEN ID: 2 in

WELL SCREEN SLOT SIZE: .020 in

LENGTH OF WELL SCREEN: 5 ft

TYPE OF SAND PACK: 20/30

DEPTH TO BOTTOM OF WELL SCREEN: 25 ft

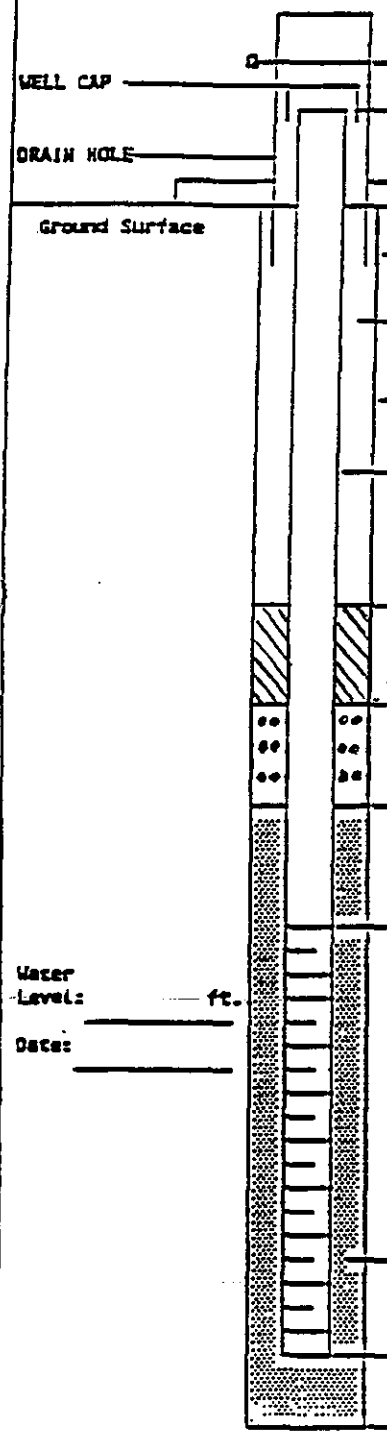
DEPTH OF BOREHOLE: 25 ft

WELL INSTALLATION DIAGRAM

PROJECT: NTC Orlando
PROJECT No.: 2545.05
ELEVATION:
FIELD GEOLOGIST: J. Nash

SITE NAME: Area C
DATE INSTALLED: 12/15/92
DRILLING METHOD: Rotosonic
AUGER SIZE: 6 in.

Site: OU4
Well ID: OLD-13-40



ELEVATION OF TOP OF PROTECTIVE CASING: _____

ELEVATION OF TOP OF WELL RISER: _____

GRAVEL PAD

OUTSIDE DIAMETER OF SURFACE CASING: —

TYPE OF BACKFILL: Neat Cement Grout

BOREHOLE DIAMETER: 6 in.

WELL RISER ID: 2 in

TYPE OF RISER: Sch 40 PVC

DEPTH TO TOP OF FINE SAND: 9 ft BLS

TYPE OF FINE SAND: 20/30

DEPTH TO TOP OF BENTONITE SEAL: 13 ft

TYPE OF SEAL: Med. Bentonite Chips

DEPTH TO TOP OF SAND PACK: 18 ft

DEPTH TO TOP OF WELL SCREEN: 20 ft

TYPE OF WELL SCREEN: Sch 40 PVC

WELL SCREEN ID: 2 in.

WELL SCREEN SLOT SIZE: .020 in

LENGTH OF WELL SCREEN: 5 ft

TYPE OF SAND PACK: 20/30

DEPTH TO BOTTOM OF WELL SCREEN: 25 ft

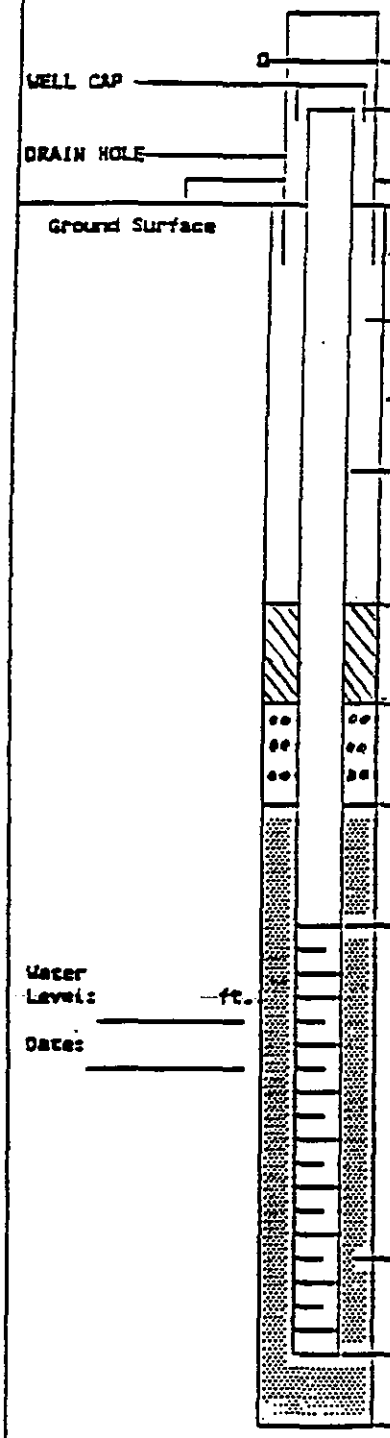
DEPTH OF BOREHOLE: 25 ft

WELL INSTALLATION DIAGRAM

PROJECT: NTC Orlando
PROJECT No.: 2545.05
ELEVATION:
FIELD GEOLOGIST: J. Nash

SITE NAME: Area C.
DATE INSTALLED: 12/14/97
DRILLING METHOD: Rotosonic
AUGER SIZE: 6 in

Site: OU 4
Well ID: OLD-13-41



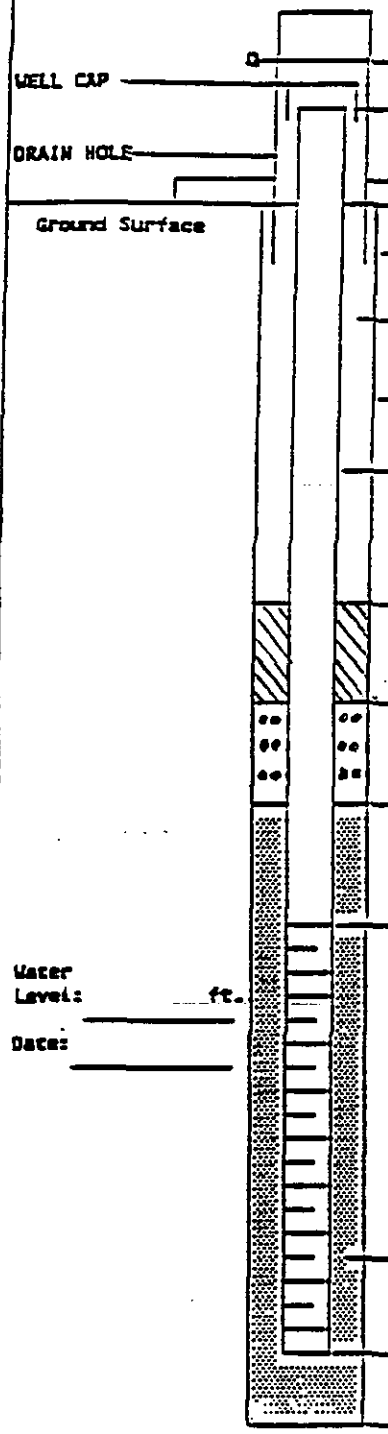
ELEVATION OF TOP OF PROTECTIVE CASING:
ELEVATION OF TOP OF WELL RISER:
GRAVEL PAD
OUTSIDE DIAMETER OF SURFACE CASING: —
TYPE OF BACKFILL: Neat Cement Grout
BOREHOLE DIAMETER: 6 in
WELL RISER ID: 2 in
TYPE OF RISER: sch 40 PVC
DEPTH TO TOP OF FINE SAND: 15 ft BLS
TYPE OF FINE SAND: 20/30
DEPTH TO TOP OF BENTONITE SEAL: 17 ft
TYPE OF SEAL: Med. Bentonite Chips
DEPTH TO TOP OF SAND PACK: 21 ft
DEPTH TO TOP OF WELL SCREEN: 23 ft
TYPE OF WELL SCREEN: Sch 40 PVC
WELL SCREEN ID: 2 in
WELL SCREEN SLOT SIZE: .020 in
LENGTH OF WELL SCREEN: 5 ft
TYPE OF SAND PACK: 20/30
DEPTH TO BOTTOM OF WELL SCREEN: 28 ft
DEPTH OF BOREHOLE: 28 ft

WELL INSTALLATION DIAGRAM

PROJECT: NTC Orlando
PROJECT No.: 2545.05
ELEVATION:
FIELD GEOLOGIST: J. Nash

SITE NAME: Area C.
DATE INSTALLED: 12/14/97
DRILLING METHOD: Rotosonic
AUGER SIZE: 6 in.

Site: OU4
Well ID: OLD-13-42



ELEVATION OF TOP OF PROTECTIVE CASING: _____

ELEVATION OF TOP OF WELL RISER: _____

GRAVEL PAD

OUTSIDE DIAMETER OF SURFACE CASING: —

TYPE OF BACKFILL: Neat Cement Grout

BOREHOLE DIAMETER: 6 in.

WELL RISER ID: 2 in.

TYPE OF RISER: Sch. 40 PVC

DEPTH TO TOP OF FINE SAND: 15.5 ft BLS

TYPE OF FINE SAND: 20/30

DEPTH TO TOP OF BENTONITE SEAL: 17 ft

TYPE OF SEAL: Med. Bentonite chips

DEPTH TO TOP OF SAND PACK: 21 ft

DEPTH TO TOP OF WELL SCREEN: 23 ft

TYPE OF WELL SCREEN: sch 40 PVC

WELL SCREEN ID: 2 in

WELL SCREEN SLOT SIZE: .020 in

LENGTH OF WELL SCREEN: 5 ft

TYPE OF SAND PACK: 20/30

DEPTH TO BOTTOM OF WELL SCREEN: 28 ft

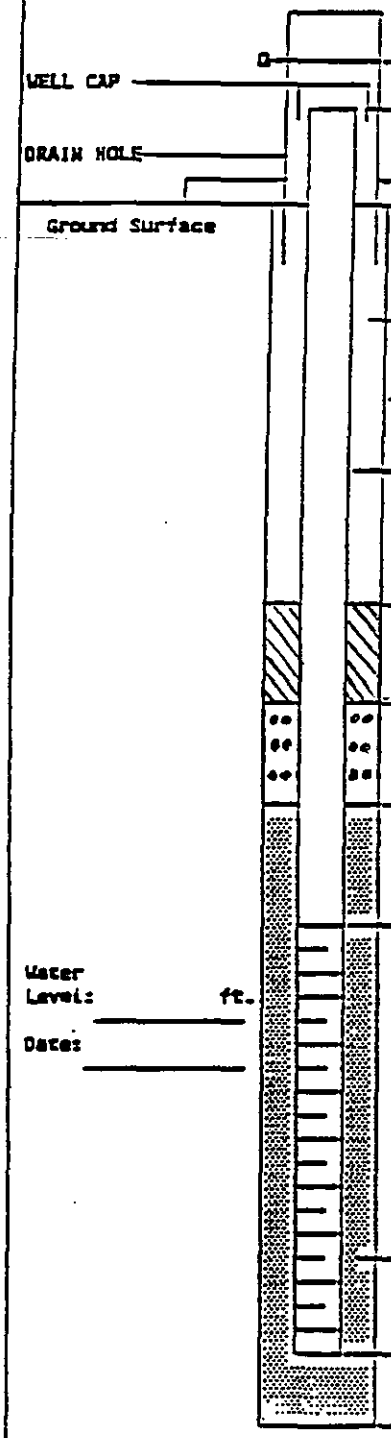
DEPTH OF BOREHOLE: 28 ft

WELL INSTALLATION DIAGRAM

PROJECT: NTC Orlando
PROJECT No.: 2545.05
ELEVATION:
FIELD GEOLOGIST: J. Nash

SITE NAME: Area C.
DATE INSTALLED: 12/14/97
DRILLING METHOD: Rotosonic
AUGER SIZE: 6 in

Site: OU 4
Well ID: OLD-13-4



ELEVATION OF TOP OF PROTECTIVE CASING: _____

ELEVATION OF TOP OF WELL RISER: _____

GRAVEL PAD

OUTSIDE DIAMETER OF SURFACE CASING: —

TYPE OF BACKFILL: Neat Cement Grout

BOREHOLE DIAMETER: 6 in

WELL RISER ID: 2 in

TYPE OF RISER: Sch 40 PVC

DEPTH TO TOP OF FINE SAND: 32 ft BLS

TYPE OF FINE SAND: 20/30

DEPTH TO TOP OF BENTONITE SEAL: 36 ft

TYPE OF SEAL: Med. Bentonite Chips

DEPTH TO TOP OF SAND PACK: 43 ft

DEPTH TO TOP OF WELL SCREEN: 45 ft

TYPE OF WELL SCREEN: Sch 40 PVC

WELL SCREEN ID: 2 in

WELL SCREEN SLOT SIZE: .020 in

LENGTH OF WELL SCREEN: 5 ft

TYPE OF SAND PACK: 20/30

DEPTH TO BOTTOM OF WELL SCREEN: 50 ft

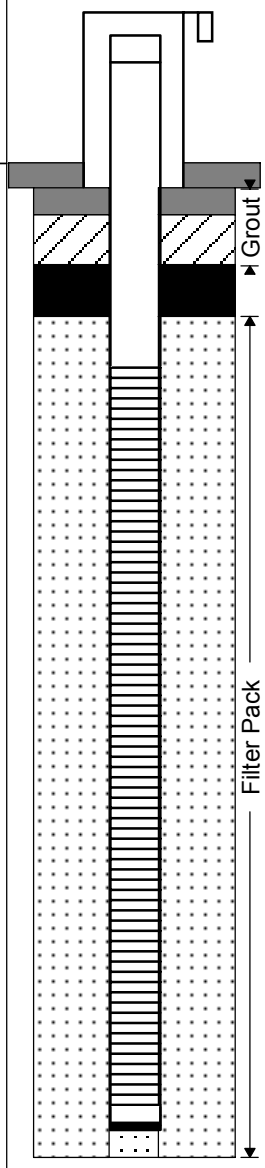
DEPTH OF BOREHOLE: 50 ft

Well Number: OLD-13-50A

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 5/29/02

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
-3							**Ground Elevation at Well:** 111.20 ft NAVD
				Ground Surface	111 0		**Top of Casing Elevation:** 113.98 ft NAVD Vent Hole: Yes
2							
							Wellhead Protection Cover: 4" square steel protective riser Weep Hole: No Concrete Pad Dimensions: 2' x 2' x 4"
7				**Refer to Boring Log for OLD-13-51B for Lithology**			**Diameter/Type of Well Casing:** 2" PVC, flush thread
	N/A	NA					**Type/Slot Size of Screen:** 2" PVC, flush thread/ 0.010" slot
12							**Type Screen Filter:** 20/30 Silica Sand (15 bags)
							Type of Seal: Fine Sand (1 bag)
17							**Grout:** Portland Cement (5% Betonite) Method of Placement: Bucket Pour Volume of Well Casing Grout: 2 linear feet
							Development Method: Pump/Surge
22							



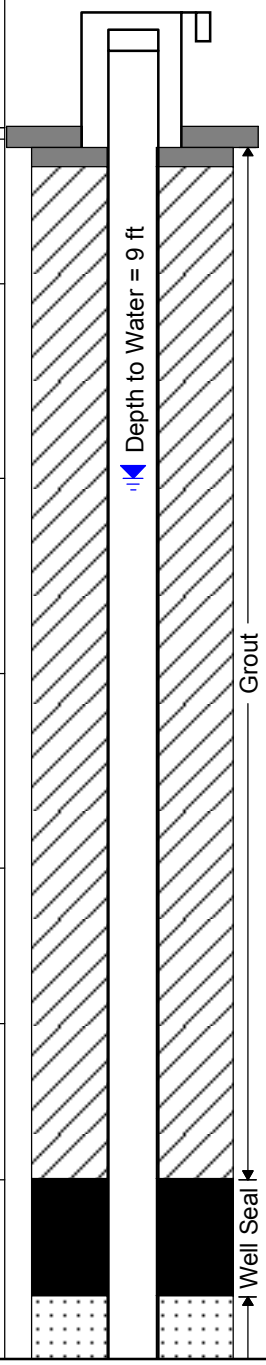
Well Number: OLD-13-51B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 5/28/2002 - 5/29/2002

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth
				Ground Surface	111
				Asphalt	0
				Limestone	
2					107
	1	6-8-8-9		Fine to very fine SAND (SM), very light grey, dry to damp, med	4
7					102
	2	4-6-7-8		Medium SAND (SP), brown, wet, dense	9
12					97
	3	4-6-14-16		Fine SAND (SM), dark brown, wet, very dense	14
17					92
	4	31-25-29-27		Fine SAND (SM), some silt, dark grey to dark brown, wet, very dense to hard	19
22	5	9-4-6-11			88
	6	50+		Silty SAND (SM/ML), trace clay, very dark brown, very moist, hard, refusal at 23.4 ft bls	23
	7	9-29-37-50+			
27				**Hard Layer (Cemented Sand) at 19 to 27 feet bls**	84 27
	8	10-10-14-10		Silty SAND (SM/ML), little clay, dark brown to very dark brown, very moist, dense to very dense	
	9	5-9-9-11			

Well Diagram



Well Construction Notes

Ground Elevation at Well:
111.20 ft NAVD

Top of Casing Elevation:
114.24 ft NAVD
Vent Hole: Yes

Wellhead Protection Cover:
4" square steel protective riser
Weep Hole: No
Concrete Pad Dimensions:
2' x 2' x 4"

Diameter/Type of Well Casing:
2" PVC, flush thread

Type/Slot Size of Screen:
2" PVC, flush thread/ 0.010" slot

Type Screen Filter:
20/30 Silica Sand (19 bags)

Type of Seal:
Fine Sand (1 bag)
Bentonite Chips (1 bag)

Grout:
Portland Cement (5% Betonite)
Method of Placement:
Tremie Pipe
Volume of Well Casing Grout:
14 bags

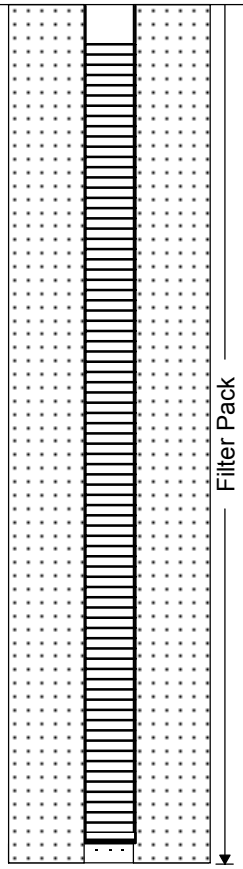
Development Method:
Pump/Surge

Well Number: OLD-13-51B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 5/28/2002 - 5/29/2002

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
					77		
	10	9-9-11-12		Silty SAND (SM/ML), very dark brown, very moist, dense	34		
36							
					72		
	11	6-6-11-8		Medium SAND (SP), little silt, dark brown, very moist, dense	39		
41							
					67		
	12	11-16-17-12		Medium SAND (SP), little silt, dark brown, very moist, dense	44		
46					65		
				End of Log	46		
51							
56							
61							

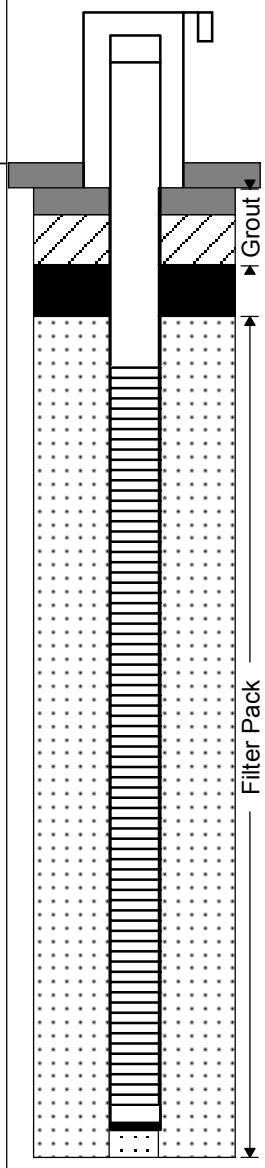


Well Number: OLD-13-52A

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 6/2002

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
-3							**Ground Elevation at Well:** 106.70 ft NAVD
				Ground Surface	107 0		**Top of Casing Elevation:** 109.90 ft NAVD Vent Hole: Yes
2							
7							**Wellhead Protection Cover:** 4" square steel protective riser Weep Hole: No Concrete Pad Dimensions: 2' x 2' x 4" **Diameter/Type of Well Casing:** 2" PVC, flush thread
	N/A	NA		**Refer to Boring Log for OLD-13-53B for Lithology**			**Type/Slot Size of Screen:** 2" PVC, flush thread/ 0.010" slot
12							**Type Screen Filter:** 20/30 Silica Sand (16 bags) **Type of Seal**: Fine Sand (1 bag)
17							**Grout:** Portland Cement (5% Betonite) Method of Placement: Bucket Pour Volume of Well Casing Grout: 2 bags **Development Method:** Pump/Surge
22							



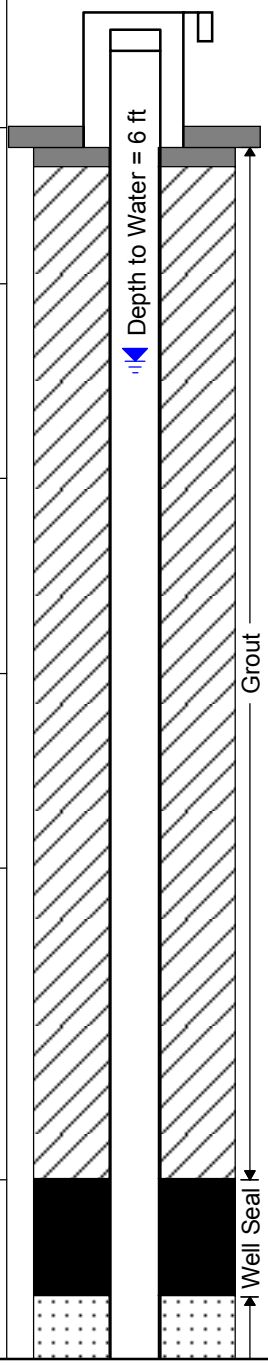
Well Number: OLD-13-53B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 6/2002

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth
				Ground Surface	107 / 0
	1	3-3-3-3		Fine to medium SAND (SP/SM), some silt, very dark brown, very moist, medium dense	103 / 4
	2	2-1-1-2		Fine SAND (SM),little silt, dark grey to brown, wet, soft to medium dense	98 / 9
	3	0-0-6-9		Silty fine SAND (SM/ML), very dark brown, wet, very dense to hard, partially cemented	93 / 14
	4	7-20-49-50+		Silty fine SAND (SM/ML), very dark brown, wet, very dense to hard, partially cemented	88 / 19
	5	33-50+		**Hard Layer (Cemented Sand) at 19 to 27 feet bls**	
	6	24-27-24-25			
	7	5-20-25-50+			
	8	6-15-15-16		Coarse SAND (SP), little clay, orange-brown, wet, dense	80 / 27

Depth (ft): -3, 2, 7, 12, 17, 22, 27



Ground Elevation at Well:
106.70 ft NAVD

Top of Casing Elevation:
109.96 ft NAVD
Vent Hole: Yes

Wellhead Protection Cover:
4" square steel protective riser
Weep Hole: No
Concrete Pad Dimensions:
2' x 2' x 4"

Diameter/Type of Well Casing:
2" PVC, flush thread

Type/Slot Size of Screen:
2" PVC, flush thread/ 0.010" slot

Type Screen Filter:
20/30 Silica Sand (20 bags)

Type of Seal:
Fine Sand (1 bag)
Bentonite Chips (1 bag)

Grout:
Portland Cement (5% Betonite)
Method of Placement:
Tremie Pipe
Volume of Well Casing Grout:
14 bags

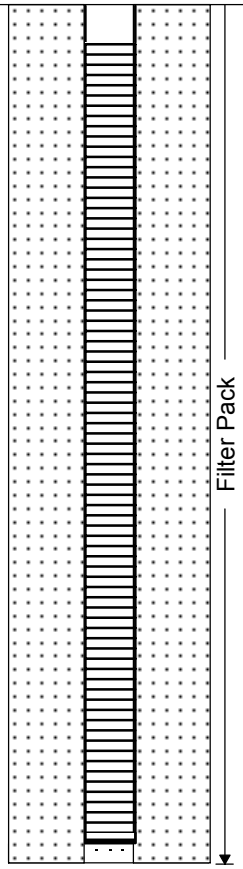
Development Method:
Pump/Surge

CH2MHILL

Well Number: OLD-13-53B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 6/2002

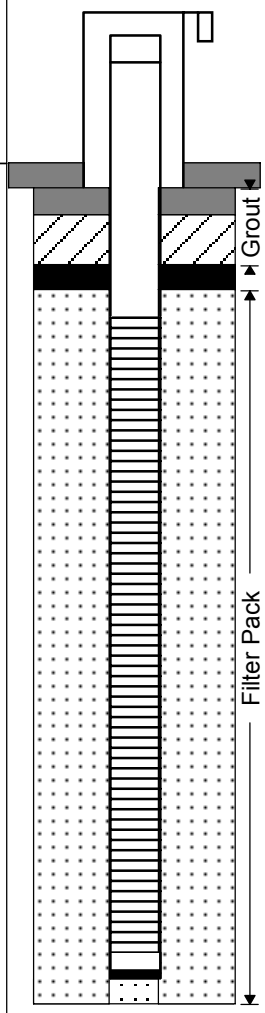
Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
				Coarse SAND (SP), rust-brown, wet, medium dense to dense	73 34		
36							
41							
46				End of Log	61 46		
51							
56							
61							

Well Number: OLD-13-54A

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 6/2002

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
-3							**Ground Elevation at Well:** 103.20 ft NAVD
				Ground Surface	103 0		**Top of Casing Elevation:** 106.15 ft NAVD Vent Hole: Yes
2							**Wellhead Protection Cover:** 4" square steel protective riser Weep Hole: No Concrete Pad Dimensions: 2' x 2' x 4"
7				**Refer to Boring Log for OLD-13-55B for Lithology**			**Diameter/Type of Well Casing:** 2" PVC, flush thread
	N/A	NA					**Type/Slot Size of Screen:** 2" PVC, flush thread/ 0.010" slot
12							**Type Screen Filter:** 20/30 Silica Sand (13 bags)
							Type of Seal: Fine Sand (1/2 bag)
17							**Grout:** Portland Cement (5% Betonite) Method of Placement: Bucket Pour Volume of Well Casing Grout: 2 bags
							Development Method: Pump/Surge
22							



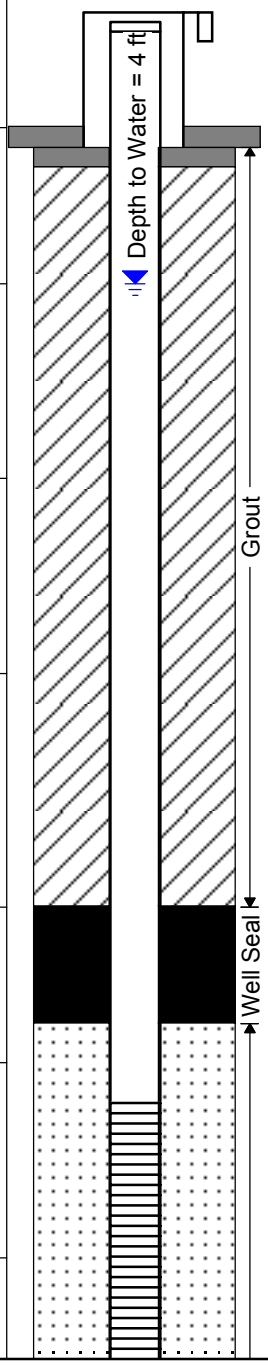
Well Number: OLD-13-55B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 6/2002

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth
				Ground Surface	103 / 0
	1	1-2-3-3		Fine to coarse SAND (SP), grey-brown, wet, medium dense	99 / 4
	2	2-2-4-3		SAND (SP),some silt, very dark brown, wet, medium dense	94 / 9
	3	9-20-30-47		Silty fine SAND (SM/ML), very dark brown, very moist, very dense to hard, partially cemented	89 / 14
	4	9-21-50+		**Hard Layer (Cemented Sand) at 16 to 20 feet bls**	
	5	6-9-21-50+			
	6	11-12-11-11		Silty fine SAND (SM/ML), very dark brown,very moist, very dense to hard,	83 / 20
	7	10-11-11-9		Fine to coarse SAND (SM/SP), little silt, rust-brown, wet, medium dense to dense	79 / 24
	8	5-5-8-8		Silty, fine to coarse, SAND (SM/SP), rust-brown, wet, medium-dense	74 / 29

Depth: -3, 2, 7, 12, 17, 22, 27



Ground Elevation at Well:
102.90 ft NAVD

Top of Casing Elevation:
105.65 ft NAVD
Vent Hole: Yes

Wellhead Protection Cover:
4" square steel protective riser
Weep Hole: No
Concrete Pad Dimensions:
2' x 2' x 4"

Diameter/Type of Well Casing:
2" PVC, flush thread

Type/Slot Size of Screen:
2" PVC, flush thread/ 0.010" slot

Type Screen Filter:
20/30 Silica Sand (20 bags)

Type of Seal:
Fine Sand (1 bag)
Bentonite Chips (1 bag)

Grout:
Portland Cement (5% Betonite)
Method of Placement:
Tremie Pipe
Volume of Well Casing Grout:
16 bags

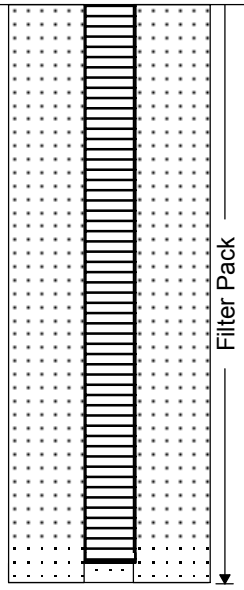
Development Method:
Pump/Surge

Well Number: OLD-13-55B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 6/2002

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
					69		
	9	4-5-7-16		Fine to medium SAND (SM/SP), little silt, rust-brown, wet, medium dense to dense	34		
36							
					64		
	10	4-7-7-10		Medium to coarse SAND (SP), little silt, orange-brown, wet, medium dense to dense	39		
41							
					59		
	11	12-12-14-14		Medium to coarse SAND (SP), little silt, orange-brown, wet, medium dense to dense	44		
46					57		
					46		
				End of Log			
51							
56							
61							

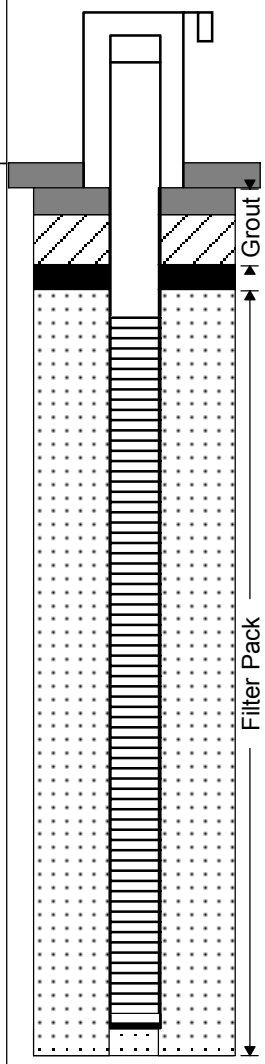


Well Number: OLD-13-56A

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 5/31/2002

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
-3							**Ground Elevation at Well:** 107.20 ft NAVD
				Ground Surface	107 0		**Top of Casing Elevation:** 110.00 ft NAVD Vent Hole: Yes
2							**Wellhead Protection Cover:** 4" square steel protective riser Weep Hole: No Concrete Pad Dimensions: 2' x 2' x 4"
7							**Diameter/Type of Well Casing:** 2" PVC, flush thread
	N/A	NA		**Refer to Boring Log for OLD-13-57B for Lithology**			**Type/Slot Size of Screen:** 2" PVC, flush thread/ 0.010" slot
12							**Type Screen Filter:** 20/30 Silica Sand (14 bags)
							Type of Seal: Fine Sand (1 bag)
17							**Grout:** Portland Cement (5% Betonite) Method of Placement: Bucket Pour Volume of Well Casing Grout: 2 bags
							Development Method: Pump/Surge
22							



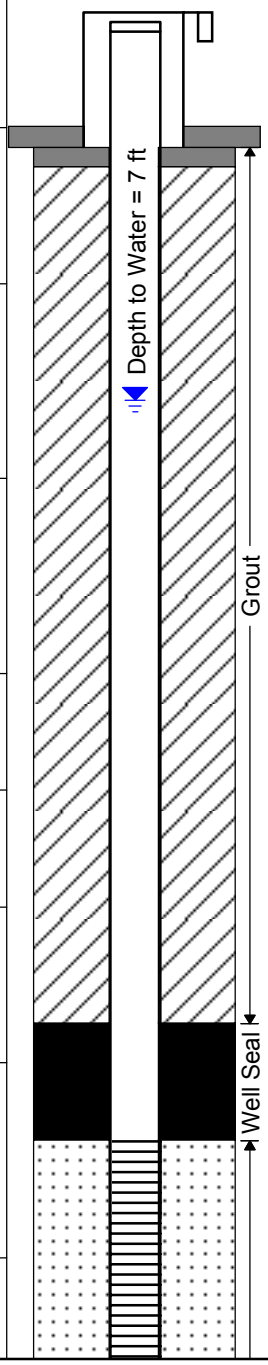
CH2MHILL

Well Number: OLD-13-57B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 5/29/2002 - 5/31/02

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth
-3				Ground Surface	103 / 0
2					99
	1	3-5-5-4		Very fine to fine SAND (SM), yellow-brown, moist, medium dense	4
7					94
	2	2-1-1-2		Coarse SAND (SP), brown, wet, medium dense	9
12					89
	3	2-2-3-19		Silty, medium to fine, SAND (SM/SP), very dark brown, wet, medium-dense to dense	14
17	4	8-50+		Fine SAND (SM), some silt, very dark brown, moist, hard, cemented	86 / 17
	5	6-6-13-28			83
	6	8-20-20-36		**Hard Layer (Cemented Sand) at 17 to 23 feet bls**	20
22	7	6-12-20-12		Fine SAND (SM), rust-brown, damp, very dense to hard, partially cemented	79
	8	11-9-11-20		Coarse SAND (SP), trace silt, very dark brown, wet, dense to very dense	24
27					74
	9	4-4-6-7		Medium to coarse SAND (SP), trace silt, orange, wet, medium-dense	29



Ground Elevation at Well:
102.90 ft NAVD

Top of Casing Elevation:
105.65 ft NAVD
Vent Hole: Yes

Wellhead Protection Cover:
4" square steel protective riser
Weep Hole: No
Concrete Pad Dimensions:
2' x 2' x 4"

Diameter/Type of Well Casing:
2" PVC, flush thread

Type/Slot Size of Screen:
2" PVC, flush thread/ 0.010" slot

Type Screen Filter:
20/30 Silica Sand (20 bags)

Type of Seal:
Fine Sand (1 bag)
Bentonite Chips (1 bag)

Grout:
Portland Cement (5% Betonite)
Method of Placement:
Tremie Pipe
Volume of Well Casing Grout:
16 bags

Development Method:
Pump/Surge

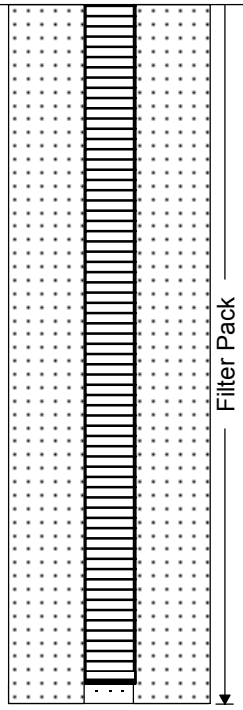
CH2MHILL

Well Number: OLD-13-57B

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date: 5/29/2002 - 5/31/02

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
					69		
	10	5-2-2-3		Fine to medium SAND (SM/SP), little silt, rust-brown, wet, medium dense to dense	34		
36							
					64		
	11	4-6-6-4		Fine to medium SAND (SM/SP), trace silt, brown, wet, medium dense	39		
41							
					59		
	12	6-6-6-7		Fine to medium SAND (SM/SP), trace silt, brown, wet, medium dense	44		
46					57		
				End of Log	46		
51							
56							
61							



PROJECT NUMBER	WELL NUMBER	OLD13-58D
277311.33.02.04.02	SHEET 1	OF 1

CH2MHILL

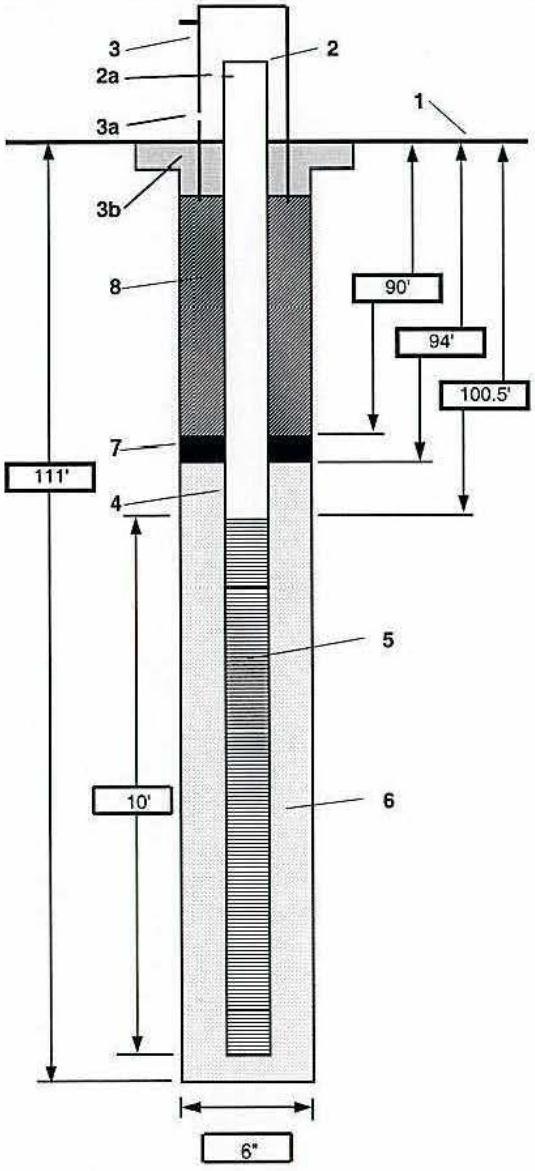
WELL COMPLETION DIAGRAM

PROJECT : Naval Training Center Orlando, CTO4 LOCATION : OU4- Area 13

DRILLING CONTRACTOR : Precision Sampling, Inc.

DRILLING METHOD AND EQUIPMENT USED : 4' x 6" rotosonic rig with 50K head

WATER LEVELS : START : END : LOGGER : WGE



1- Ground elevation at well	110.21'
2- Top of casing elevation	112.67'
a) vent hole?	
3- Wellhead protection cover type	Steel, hinged, locking w/ 4 bollards
a) weep hole?	yes
b) concrete pad dimensions	2' x 2' x 3"
4- Dia./type of well casing	2" diameter SCH 40 flush-threaded PVC
5- Type/slot size of screen	2" diameter flush-threaded SCH 40 PVC 10' length, 0.020" factory machine slotted
6- Type screen filter	Standard 6-20 mesh silica sand
a) Quantity used	~10 bags
7- Type of seal	Pure Gold medium bentonite chips
a) Quantity used	~ 75 pounds (< 2 bags)
8- Grout	
a) Grout mix used	Type I/II Portland+ 5% bentonite powder
b) Method of placement	Tremie/Pressure
c) Vol. of well casing grout	~ 10 x 94 pound bags
Development method	Grundfos Redi-flo Submersible
Development time	
Estimated purge volume	

Comments 150' x 4" lithologic boring was backfilled with bentonite to - 114', and to -111' with sand, for well installation on bottom.

0.5' threaded PVC bottom cap used

PROJECT NUMBER	WELL NUMBER	OLD13-59D
277311.33.02.04.02	SHEET 1	OF 1

CH2MHILL

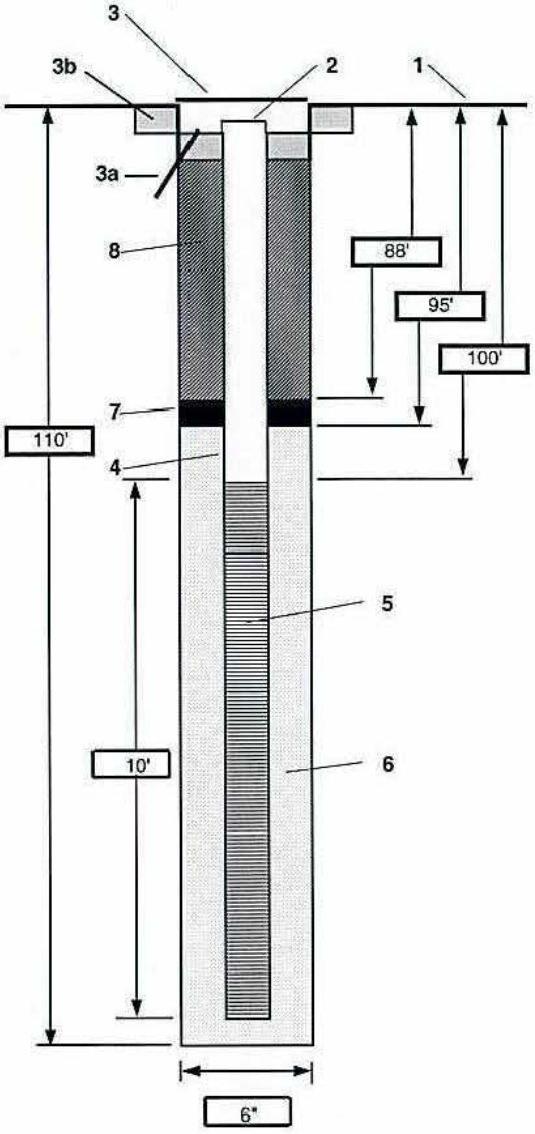
WELL COMPLETION DIAGRAM

PROJECT : Naval Training Center Orlando, CTO4 LOCATION : OU4- Area 13

DRILLING CONTRACTOR : Precision Sampling, Inc.

DRILLING METHOD AND EQUIPMENT USED : 4" x 6" rotosonic rig with

WATER LEVELS : START : END : LOGGER : WGE



1- Ground elevation at well	110.5'
2- Top of casing elevation	110.33'
3- Wellhead protection cover type	Flush steel water valve cover
a) drain tube?	
b) concrete pad dimensions	2' x 2' x 3"
4- Dia./type of well casing	2" diameter SCH 40 flush-threaded PVC
5- Type/slot size of screen	2" diameter flush-threaded SCH 40 PVC 10' length, 0.020" factory slotted
6- Type screen filter	Standard 6-20 mesh silica sand
a) Quantity used	~ 10 bags
7- Type of seal	Pure Gold medium bentonite chips
a) Quantity used	~2 bags
8- Grout	
a) Grout mix used	Type I/II Portland+ 5% bentonite powder
b) Method of placement	Tremie/Pressure
c) Vol. of well casing grout	~ 10 x 94 pound bags
Development method	Grundfos Redi-flo Submersible
Development time	
Estimated purge volume	

Comments 150' x 4" lithologic boring was backfilled with bentonite to - 114', and to -111' with sand, for well installation on bottom.

0.5' threaded PVC bottom cap used

PROJECT NUMBER	WELL NUMBER	OLD13-60D
277311.33.02.04.02	SHEET 1	OF 1

CH2MHILL

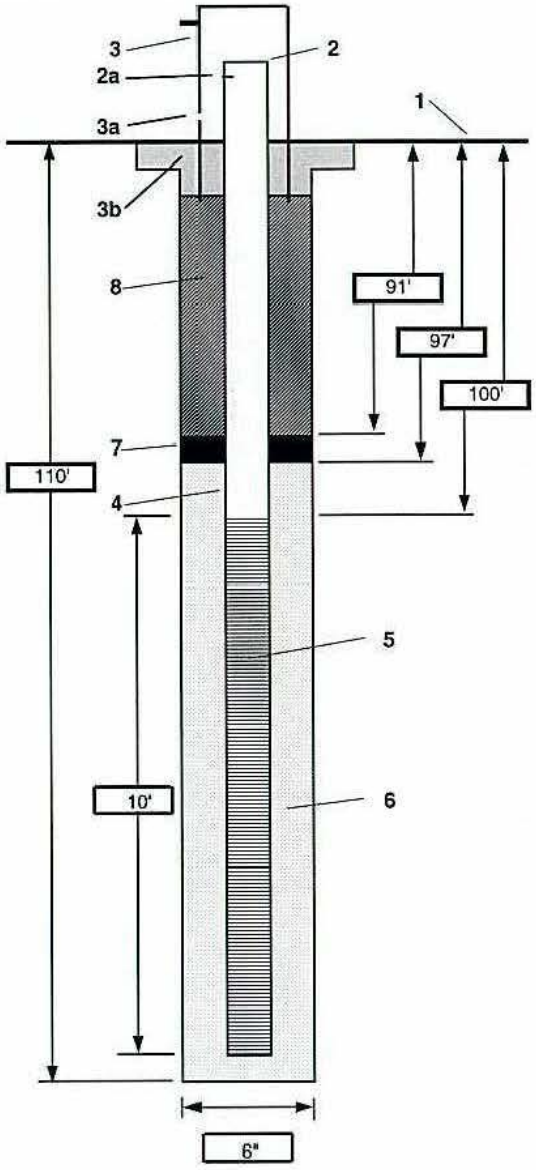
WELL COMPLETION DIAGRAM

PROJECT : Naval Training Center Orlando, CTO4 LOCATION : OU4- Area 13

DRILLING CONTRACTOR : Precision Sampling, Inc.

DRILLING METHOD AND EQUIPMENT USED : 4" x 6" rotosonic rig with 50K head

WATER LEVELS : START : END : LOGGER : WGE



1- Ground elevation at well	111.05' NGVD
2- Top of casing elevation	113.67' NGVD
a) vent hole?	
3- Wellhead protection cover type	Steel, hinged, locking with 4 bollards
a) weep hole?	yes
b) concrete pad dimensions	2' x 2' x 3"
4- Dia./type of well casing	2" diameter SCH 40 flush-threaded PVC with O-rings
5- Type/slot size of screen	2" diameter flush-threaded SCH 40 PVC 10' length, 0.020" factory machine slotted
6- Type screen filter	Standard 6-20 mesh silica sand
a) Quantity used	~10 bags
7- Type of seal	Pure Gold medium bentonite chips
a) Quantity used	~ 100 pounds (2 bags)
8- Grout	
a) Grout mix used	Type I/II Portland+ 5% bentonite powder
b) Method of placement	Tremie/Pressure
c) Vol. of well casing grout	~ 10 x 94 pound bags
Development method	Grundfos Redi-flo Submersible
Development time	
Estimated purge volume	

Comments 150' x 4" lithologic boring was backfilled with bentonite to - 112', and to -110' with sand, for well installation on bottom.

0.5' threaded PVC bottom cap used

PROJECT NUMBER	WELL NUMBER	OLD13-61D
277311.33.02.04.02		SHEET 1 OF 1

CH2MHILL

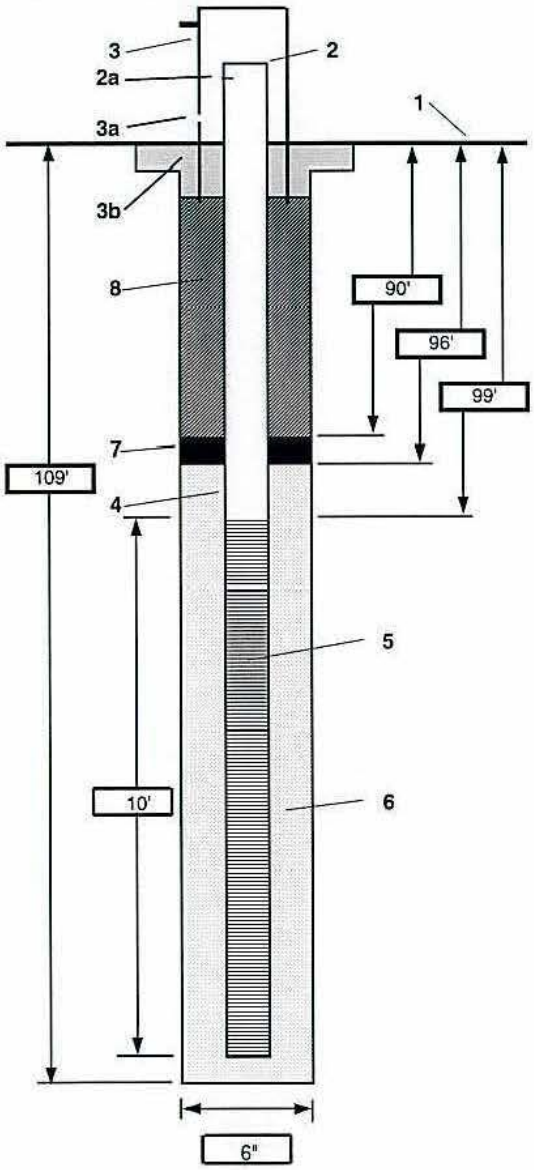
WELL COMPLETION DIAGRAM

PROJECT : Naval Training Center Orlando, CTO4 LOCATION : OU4- Area 13

DRILLING CONTRACTOR : Precision Sampling, Inc.

DRILLING METHOD AND EQUIPMENT USED : 4" x 6" rotosonic rig with 50K head

WATER LEVELS : START : END : LOGGER : WGE



1- Ground elevation at well	110.87' NGVD
2- Top of casing elevation	113.47' NGVD
a) vent hole?	
3- Wellhead protection cover type	Steel, hinged, locking, with 4 bollards
a) weep hole?	yes
b) concrete pad dimensions	2' x 2' x 3"
4- Dia./type of well casing	2" diameter SCH 40 flush-threaded PVC
5- Type/slot size of screen	2" diameter flush-threaded SCH 40 PVC 10' length, 0.020" factory machine slotted
6- Type screen filter	Standard 6-20 mesh silica sand
a) Quantity used	~10 bags
7- Type of seal	Pure Gold medium bentonite chips
a) Quantity used	~ 75 pounds (< 2 bags)
8- Grout	
a) Grout mix used	Type I/II Portland+ 5% bentonite powder
b) Method of placement	Tremie/Pressure
c) Vol. of well casing grout	~ 10 x 94 pound bags
Development method	Grundfos Redi-flo Submersible
Development time	
Estimated purge volume	

Comments 150' x 4" lithologic boring was backfilled with bentonite to - 114', and to -111' with sand, for well installation on bottom.

0.5' threaded PVC bottom cap used

PROJECT NUMBER	WELL NUMBER	OLD13-62D
277311.33.02.04.02		SHEET 1 OF 1

CH2MHILL

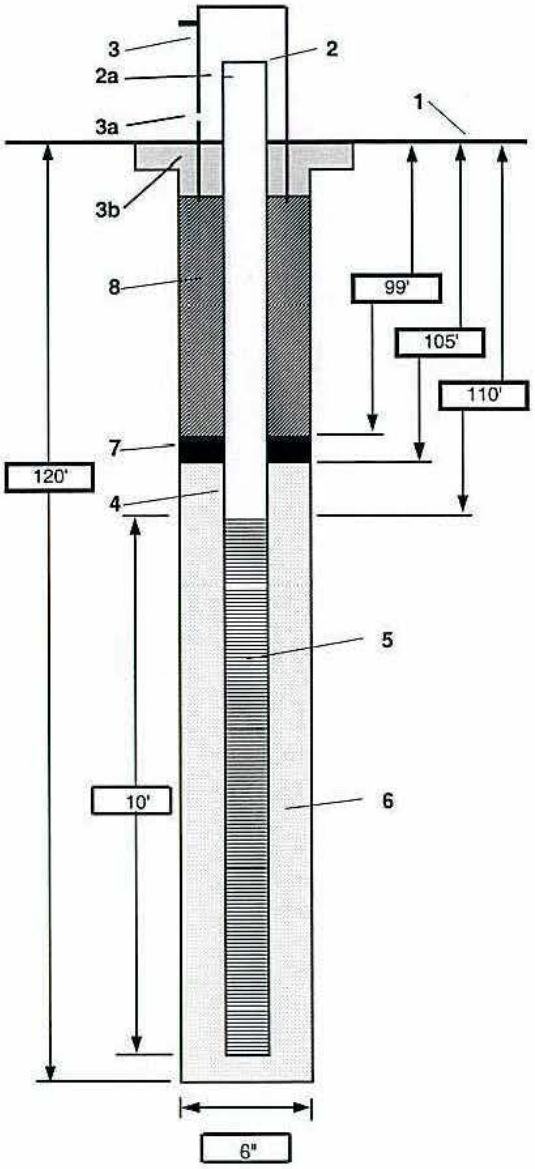
WELL COMPLETION DIAGRAM

PROJECT : Naval Training Center Orlando, CTO4 LOCATION : OU4- Area 13

DRILLING CONTRACTOR : Precision Sampling, Inc.

DRILLING METHOD AND EQUIPMENT USED : 4" x 6" rotosonic rig with 50K head

WATER LEVELS : START : END : LOGGER : WGE



1- Ground elevation at well	111.05' NGVD
2- Top of casing elevation	113.63' NGVD
a) vent hole?	
3- Wellhead protection cover type	Steel, hinged, locking, with 4 bollards
a) weep hole?	yes
b) concrete pad dimensions	2' x 2' x 3"
4- Dia./type of well casing	2" diameter SCH 40 flush-threaded PVC with O-rings
5- Type/slot size of screen	2" diameter flush-threaded SCH 40 PVC 10' length, 0.020" factory machine slotted
6- Type screen filter	Standard 6-20 mesh silica sand
a) Quantity used	~10 bags
7- Type of seal	Pure Gold medium bentonite chips
a) Quantity used	~ 75 pounds (< 2 bags)
8- Grout	
a) Grout mix used	Type I/II Portland+ 5% bentonite powder
b) Method of placement	Tremie/Pressure
c) Vol. of well casing grout	~ 10 x 94 pound bags
Development method	Grundfos Redi-flo Submersible
Development time	
Estimated purge volume	

Comments 150' x 4" lithologic boring was backfilled with bentonite to - 124', and to -120' with sand, for well installation on bottom.

0.5' threaded PVC bottom cap used

PROJECT NUMBER	WELL NUMBER	OLD13-63D
277311.33.02.04.02		SHEET 1 OF 1

CH2MHILL

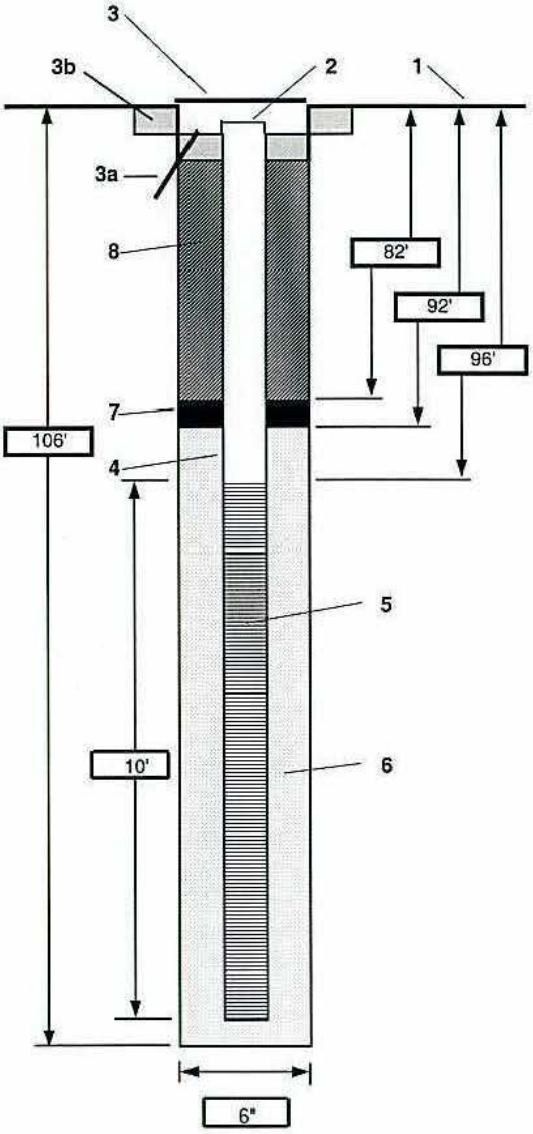
WELL COMPLETION DIAGRAM

PROJECT : Naval Training Center Orlando, CTO4 LOCATION : OU4- Area 13

DRILLING CONTRACTOR : Precision Sampling, Inc.

DRILLING METHOD AND EQUIPMENT USED : 4" x 6" rotosonic rig with

WATER LEVELS : START : END : LOGGER :



1- Ground elevation at well	107.90' NGVD
2- Top of casing elevation	107.49' NGVD
3- Wellhead protection cover type	Flush steel water valve cover
a) drain tube?	
b) concrete pad dimensions	2' x 2' x 3"
4- Dia./type of well casing	2" diameter flush-threaded SCH 40 PVC with O-rings
5- Type/slot size of screen	2" diameter flush-thread SCH 40 PVC 10' length, 0.020" factory slotted
6- Type screen filter	Standard 6-20 mesh silica sand
a) Quantity used	~ 10 bags
7- Type of seal	Volclay coarse bentonite chips
a) Quantity used	~ 2 bags
8- Grout	
a) Grout mix used	Type I/II GU Portland + 5% bentonite
b) Method of placement	Tremie/Pressure
c) Vol. of well casing grout	~ 10 x 94 pound bags
Development method	Grundfos Redi-Flo submersible
Development time	
Estimated purge volume	
Comments	112' wash boring was backfilled to -110' with sand for well installation no lithologic sampling this well boring

PROJECT NUMBER	WELL NUMBER	OLD13-64D
277311.33.02.04.02		SHEET 1 OF 1

CH2MHILL

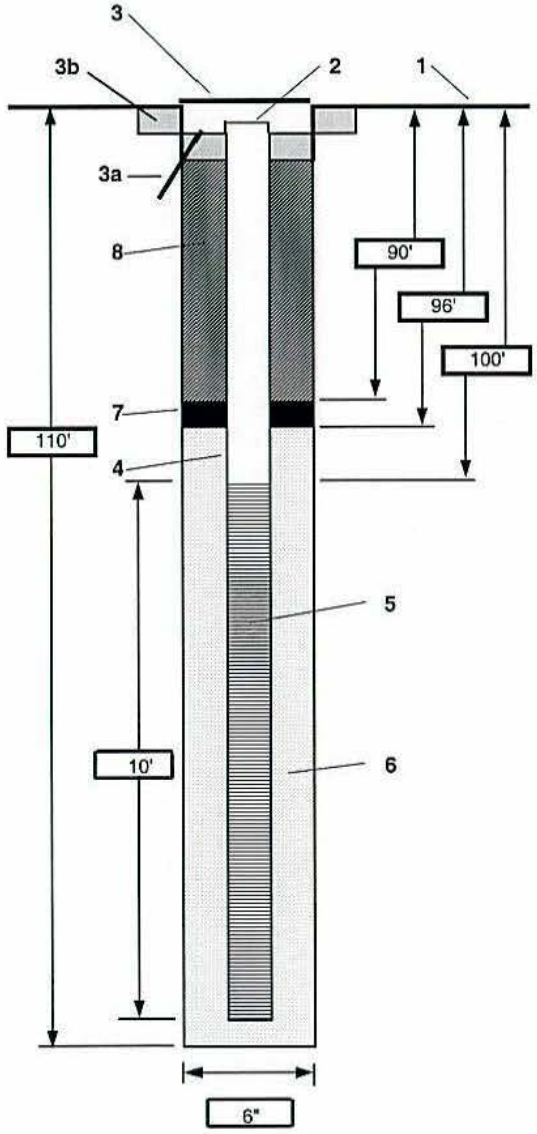
WELL COMPLETION DIAGRAM

PROJECT : Naval Training Center Orlando, CTO4 LOCATION : OU4- Area 13

DRILLING CONTRACTOR : Precision Sampling, Inc.

DRILLING METHOD AND EQUIPMENT USED : 4" x 6" rotosonic rig with

WATER LEVELS : START : END : LOGGER : WGE



1- Ground elevation at well	104.1' NGVD
2- Top of casing elevation	103.75' NGVD
3- Wellhead protection cover type	Flush steel water valve cover
a) drain tube?	
b) concrete pad dimensions	2' x 2' x 3"
4- Dia./type of well casing	2" diameter flush-threaded SCH 40 PVC with O-rings
5- Type/slot size of screen	2" diameter flush-thread SCH 40 PVC 10' length, 0.020" factory slotted
6- Type screen filter	Standard 6-20 mesh silica sand
a) Quantity used	~ 10 bags
7- Type of seal	Volclay coarse bentonite chips
a) Quantity used	~ 2 bags
8- Grout	
a) Grout mix used	Type I/II GU Portland + 5% bentonite
b) Method of placement	Tremie/Pressure
c) Vol. of well casing grout	~ 10 x 94 pound bags
Development method	Grundfos Redi-Flo submersible
Development time	
Estimated purge volume	
Comments	150' x 4" lithologic boring was backfilled to -114' with bentonite, and to -110' with sand, for well install. on bottom

Tetra Tech NUS, Inc.

Project Name:	NTC Orlando	Well No.:	OLD-13-65D
Boring Number:	SB-03	Date:	6/28/2006
Drilling Company:	Prosonic	Geologist:	Gary Braganza
Drilling Rig:	Sonic	Driller:	Fred Kraus

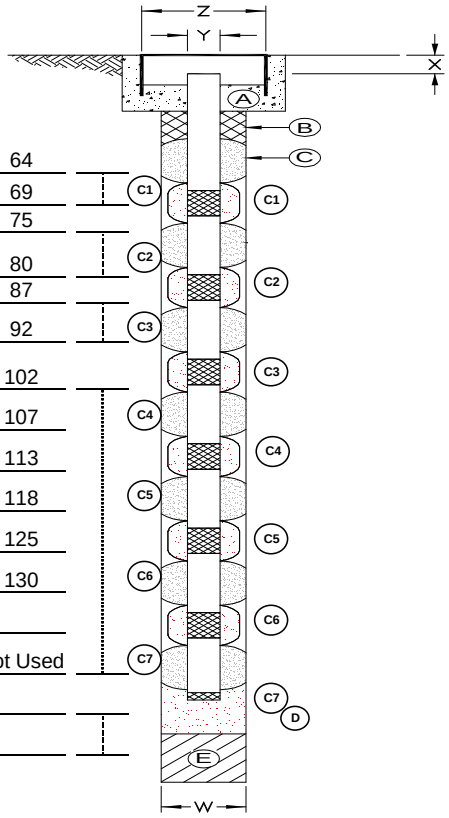
Materials Data

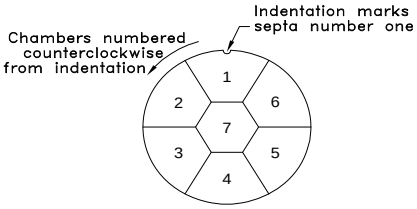
			Seal Interval	Sand Pack Interval	Screen Interval
A	Surface Seal	Concrete			
B	Annular Seal	Cement/Bentonite Grout			
C	Annular Seal	Bentonite Chips			
D	Annular Seal	No Seal 30/65 Sand	60		
E	Bottom Seal	No Seal	62	62	64
			71	70	69
			73	73	75
W	Borehole Diameter:	6-in	83	81	80
X	Stick-up Flush Mount:	Flush Mount	85	85	87
Y	Tubing Diameter:	1 7/8 - in.	98	93	92
Z	Protective Covering Diameter:	8 in.	100	100	102
			109	108	107
			111	111	113
			121	119	118
			121	123	125
				135	130
			No Seal		
					Not Used

Dimensions

Well Centralizer Depths

13.3	69.5	107.5
23.3	74.8	112.8
33.3	80.5	118.5
44.3	86.5	124.5
53.5	92.5	129.5
63.5	101.5	





Notes:
30/65 sand used to bring bottom of boring up to 135 ft., central chamber (7) not used, 30/65 sand placed from 135 ft to 123 ft.

Site: Operable Unit 4
Project No.: 112G00131
N. _____ E. _____
Well Permit No.: _____

Tetra Tech NUS, Inc.

Project Name:	NTC Orlando	Well No.:	OLD-13-66D
Boring Number:	SB-04	Date:	6/30/2006
Drilling Company:	Prosonic	Geologist:	Gary Braganza
Drilling Rig:	Sonic	Driller:	Fred Kraus

Materials Data

A	Surface Seal	Concrete
B	Annular Seal	Cement/Bentonite Grout
C	Annular Seal	Bentonite Chips
D	Annular Seal	Fine Sand 30/65
E	Bottom Seal	Fine Sand 30/65

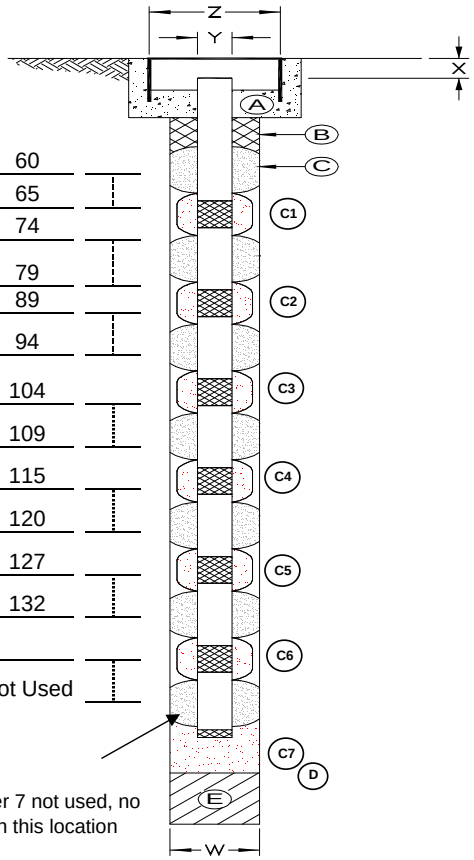
Dimensions

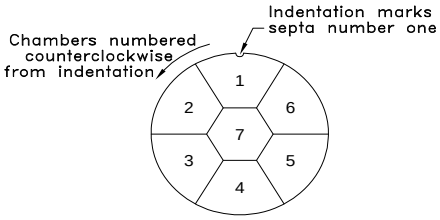
W	Borehole Diameter:	6-in
X	Stick-up Flush Mount:	Stick-up
Y	Tubing Diameter:	1 7/8 - in.
Z	Protective Covering Diameter:	4 in.

Well Centralizer Depths

9.5	63.5	109.5
19.5	73.5	114.5
29.5	79.5	120.5
39.5	88.5	126.5
49.5	94.5	132.5
59.5	103.5	

Seal Interval	Sand Pack Interval	Screen Interval
56		
58	58	60
70	66	65
72	72	74
85	80	79
87	87	89
95	95	94
102	102	104
111	110	109
113	113	115
123	121	120
125	125	127
	145	132
No seal		
		Not Used





Notes:
30/65 sand used to bring bottom of boring (approximately 145 ft bgs) to 2 ft above chamber 6 screen (125 ft bgs)

Site: Operable Unit 4
Project No.: 112G00131
N. _____ E. _____
Well Permit No.: _____

Tetra Tech NUS, Inc.

Project Name:	NTC Orlando	Well No.:	OLD-13-67D
Boring Number:	SB-02	Date:	7/14/2006
Drilling Company:	Prosonic	Geologist:	Gary Braganza
Drilling Rig:	Sonic	Driller:	Fred Kraus

Materials Data

A	Surface Seal	Portland Cement
B	Annular Seal	Cement/Bentonite Grout
C	Annular Seal	Bentonite Chips
D	Annular Seal	No Seal 30/65 Sand
E	Bottom Seal	Bentonite Chips

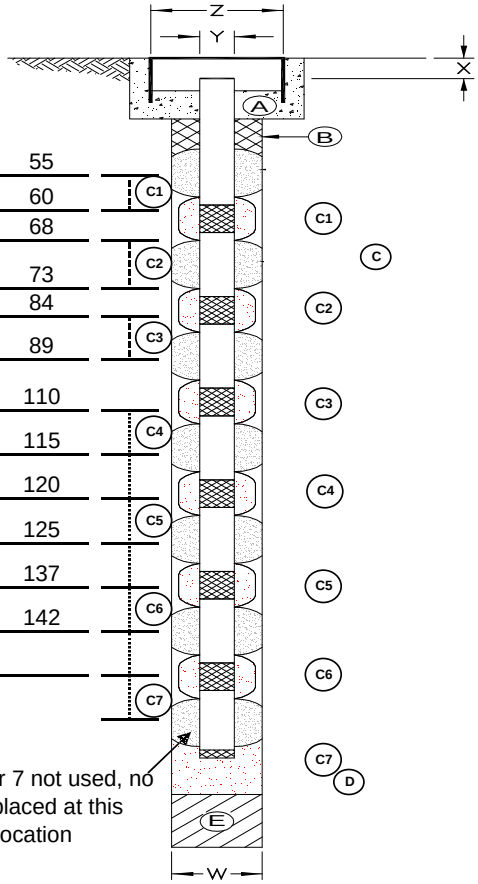
Dimensions

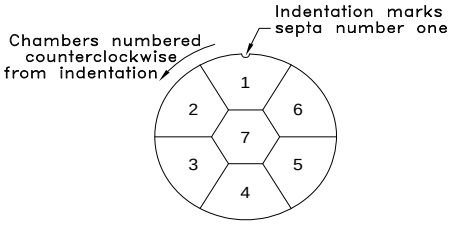
W	Borehole Diameter:	6-in
X	Stick-up Flush Mount:	Stick-up
Y	Tubing Diameter:	1 7/8 - in.
Z	Protective Covering Diameter:	8 in.

Well Centralizer Depths

54.5	89.5	136.5
60.5	109.5	142.5
67.5	115.5	
73.5	119.5	
83.5	125.5	

Seal Interval	Sand Pack Interval	Screen Interval
43		
53	53	55
61	61	60
66	66	68
74	74	73
82	82	84
90	90	89
108	108	110
116	116	115
122	122	120
126	126	125
135	135	137
	143	142
No Seal		





Notes:
30-65 sand used to bring bottom of boring up to 135 ft, central chamber (7) not used, 30/65 sand placed from 135 ft to 123 ft.

Site: Operable Unit 4
Project No.: 112G00131
N. E.
Well Permit No.:

Tetra Tech NUS, Inc.

Project Name:	NTC Orlando	Well No.:	OLD-13-68D
Boring Number:	SB-07	Date:	7/10/2006
Drilling Company:	Prosonic	Geologist:	Gary Braganza
Drilling Rig:	Sonic	Driller:	Fred Kraus

Materials Data

(A) Surface Seal	Portland Cement	
(B) Annular Seal	Cement/Bentonite Grout	
(C) Annular Seal	Bentonite Chips	
(D) Annular Seal	No Seal 30/65 Sand	
(E) Bottom Seal	Bentonite Chips	

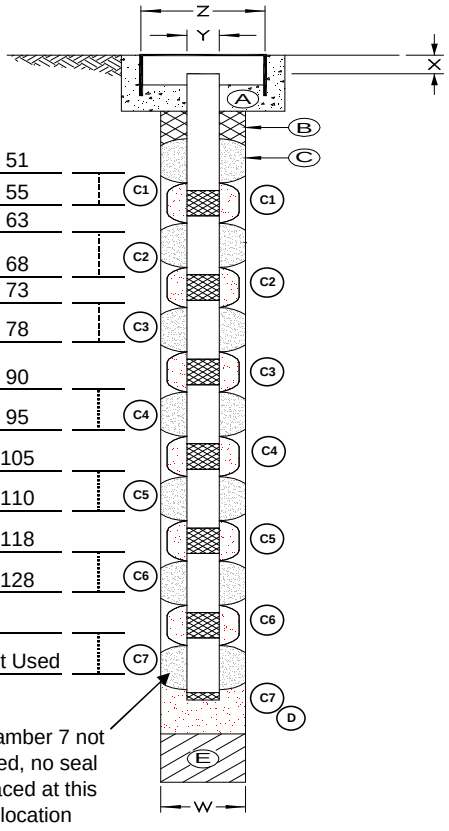
Dimensions

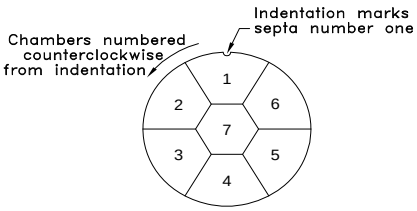
(W) Borehole Diameter:	6-in	
(X) Stick-up Flush Mount:	Stick-up	
(Y) Tubing Diameter:	1 7/8 - in.	
(Z) Protective Covering Diameter:	4 in.	

Well Centralizer Depths

10.5	63.5	104.5
20.5	68.5	110.5
30.5	72.5	117.5
40.5	78.5	128.5
50.5	89.5	
56.5	95.5	

	Seal Interval	Sand Pack Interval	Screen Interval
	39		
	49	49	51
	57	56	55
	61	61	63
	69	69	68
	71	71	73
	79	79	78
	92	92	90
	96	96	95
	103	103	105
	111	111	110
	116	116	118
		129	128
	No Seal		
			Not Used





Notes:
30/65 sand used; 131 to 135 ft bgs.
Bentonite chips used 129 to 131 ft bgs. Will set at 129 ft, C6 sand pack (30/65) is from 116 to 129 ft bgs.

Site: Operable Unit 4
Project No.: 112G00131
N. E.
Well Permit No.:

Tetra Tech NUS, Inc.

Project Name:	NTC Orlando	Well No.:	OLD-13-69D
Boring Number:	SB-05	Date:	7/12/2006
Drilling Company:	Prosonic	Geologist:	Gary Braganza
Drilling Rig:	Sonic	Driller:	Fred Kraus

Materials Data

A	Surface Seal	Concrete
B	Annular Seal	Cement/Bentonite Grout
C	Annular Seal	Bentonite Chips
D	Annular Seal	No Seal 30/65 Sand
E	Bottom Seal	No Seal

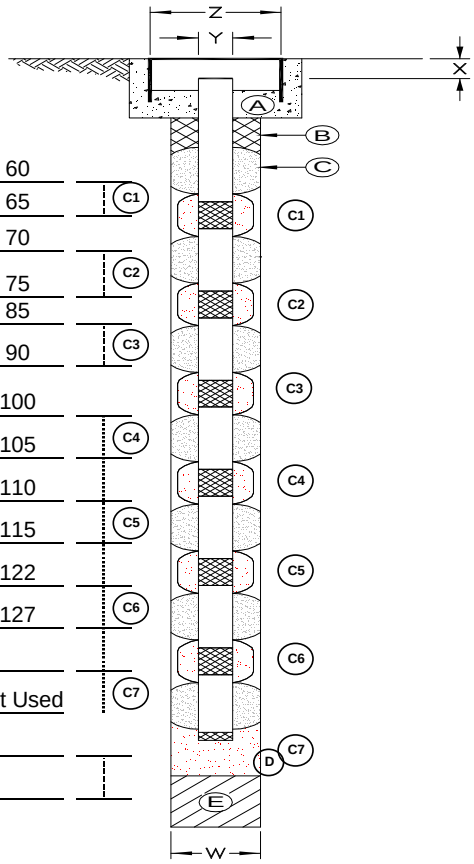
Dimensions

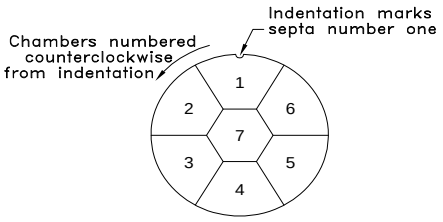
W	Borehole Diameter:	6-in
X	Stick-up Flush Mount:	Stick-up
Y	Tubing Diameter:	1 7/8 - in.
Z	Protective Covering Diameter:	4 in.

Well Centralizer Depths

9.5	65.5	105.5
19.5	69.5	109.5
29.5	75.5	115.5
39.5	84.5	121.5
49.5	90.5	127.5
59.5	99.5	

Seal Interval	Sand Pack Interval	Screen Interval
48		
58	58	60
66	66	65
68	68	70
76	76	75
83	83	85
91	91	90
98	98	100
106	106	105
108	108	110
116	116	115
120	120	122
	128	127
No Seal		
		Not Used





Notes:
30/65 sand used 134 to 131 ft bgs, bentonite chips used for bottom sea; 131 tp 128 ft bgs.
C6 sand pack (30/65) placed 120 to 128 ft bgs.

Site: Operable Unit 4
Project No.: 112G00131
N. _____ E. _____
Well Permit No.: _____

Tetra Tech NUS, Inc.

Project Name:	NTC Orlando	Well No.:	OLD-13-70D
Boring Number:	SB-06	Date:	7/13/2006
Drilling Company:	Prosonic	Geologist:	Gary Braganza
Drilling Rig:	Sonic	Driller:	Fred Kraus

Materials Data

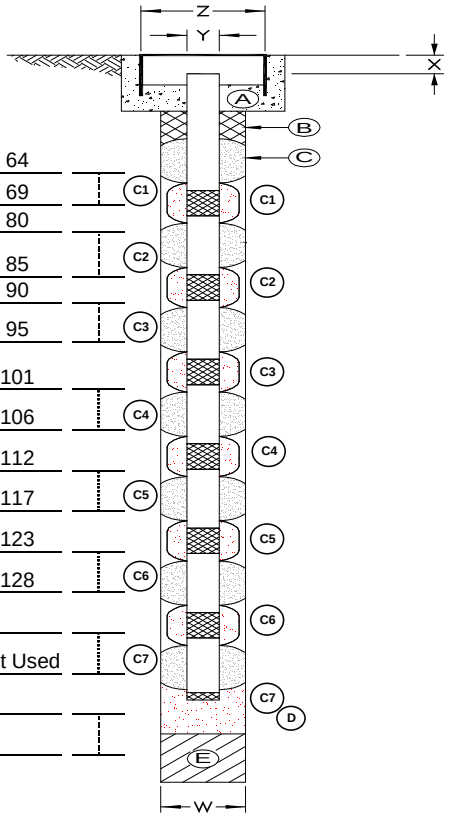
			Seal Interval	Sand Pack Interval	Screen Interval
A	Surface Seal	Portland Cement			
B	Annular Seal	Cement/Bentonite Grout			
C	Annular Seal	Bentonite Chips			
D	Annular Seal	No Seal 30/65 Sand	57		
E	Bottom Seal	Fine Sand	67	67	64
			70	70	69
			78	78	80
			86	86	85
			88	88	90
			96	96	95
			99	99	101
			107	107	106
			110	110	112
			118	118	117
			121	121	123
				129	128
			No Seal		
					Not Used

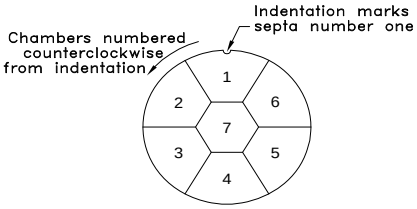
Dimensions

W	Borehole Diameter:	6-in
X	Stick-up Flush Mount:	Stick-up
Y	Tubing Diameter:	1 7/8 - in.
Z	Protective Covering Diameter:	4 in.

Well Centralizer Depths

63.5	100.5	
69.5	106.5	
79.5	111.5	
85.5	117.5	
89.5	122.5	
95.5	127.5	



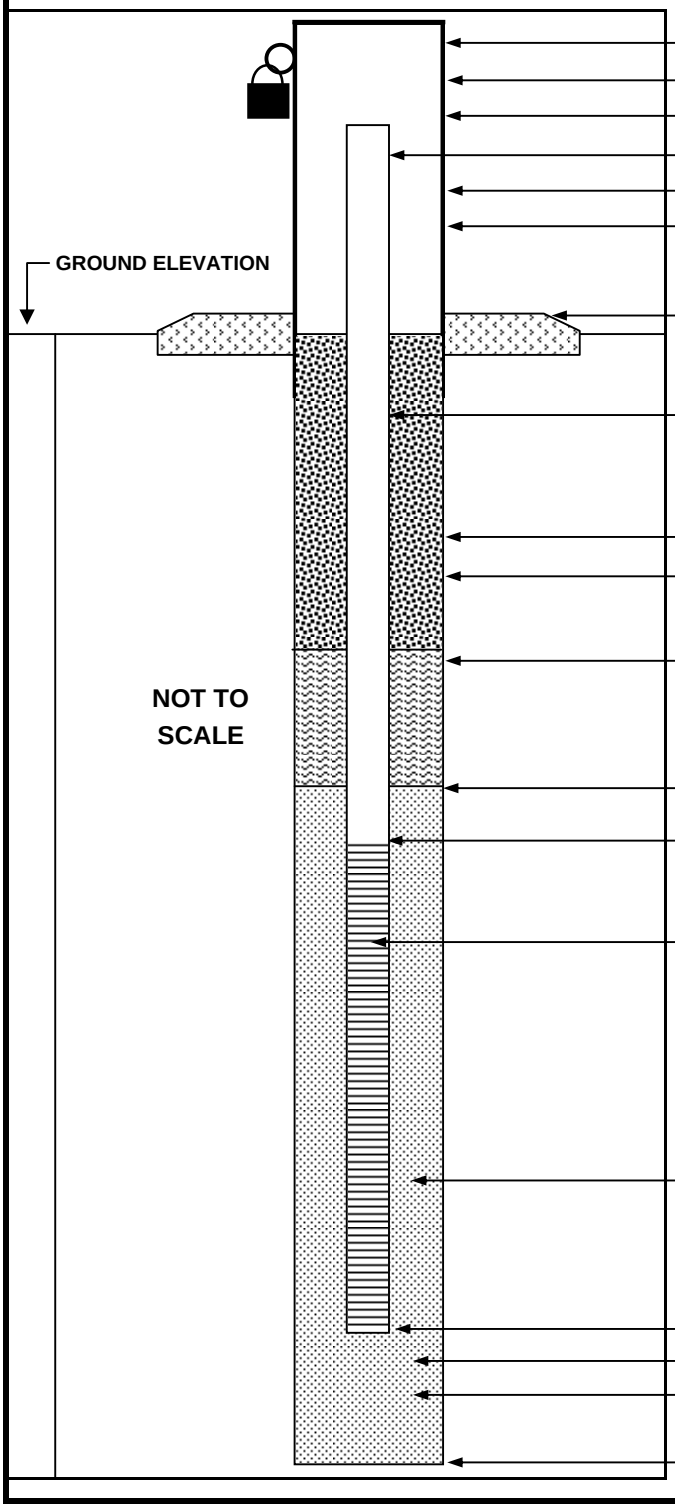


Notes:

Site: Operable Unit 4
Project No.: 112G00131
N. E.
Well Permit No.:

OVERBURDEN MONITORING WELL SHEET

PROJECT:	NTC ORLANDO	LOCATION:	OU4	DRILLER:	Renegade
PROJECT NO.	112G00606	BORING:	OLD-13-71A	METHOD:	DPT+Auger
ELEVATION:	NA	DATE:	30-Jan-08	DEVELOPMENT:	NA
FIELD GEOLOGIST:	Gary Braganza				

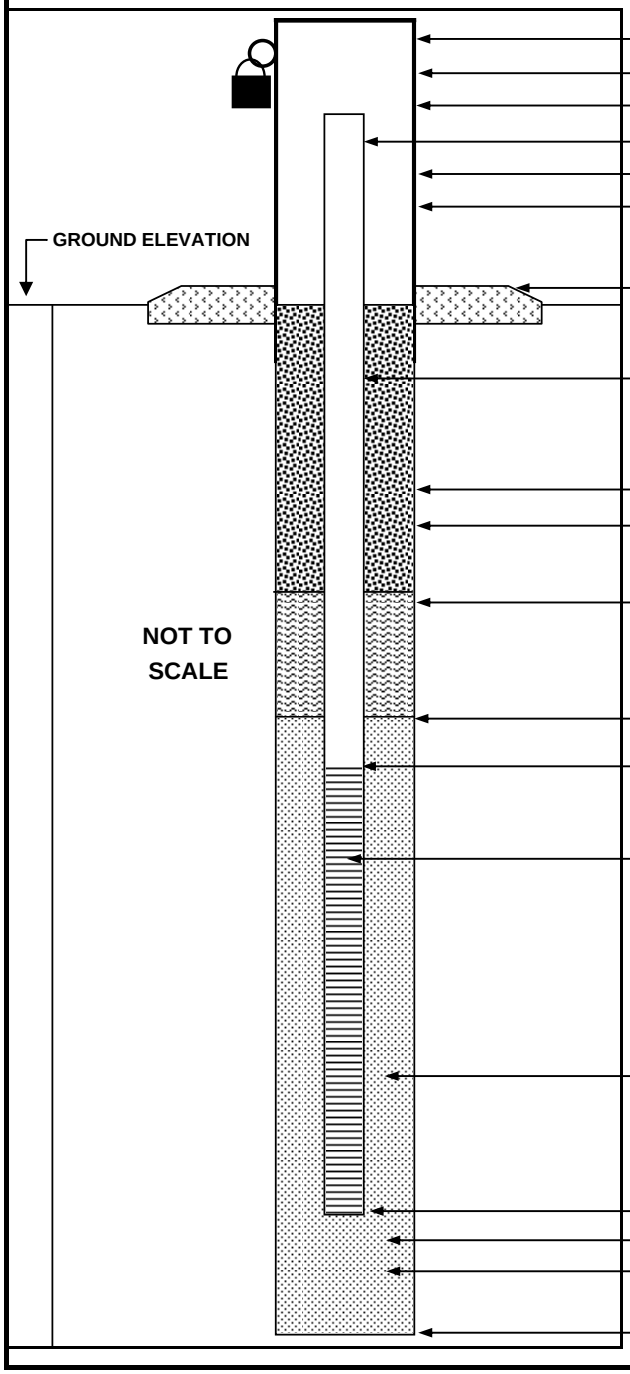


ELEVATION OF TOP OF SURFACE CASING:	3.5 ft.
ELEVATION OF TOP OF RISER PIPE:	2.5 ft.
STICK-UP TOP OF SURFACE CASING:	NA
STICK-UP OF RISER PIPE:	NA
I.D. OF SURFACE CASING:	4 in.
TYPE OF SURFACE CASING:	Steel locking cap
TYPE OF SURFACE SEAL:	Portland Cement
RISER PIPE I.D.:	1.5 in.
TYPE OF RISER PIPE:	PVC
BOREHOLE DIAMETER:	4 in.
TYPE OF SEAL:	Bentonite-cement grout mix
DEPTH OF SEAL:	1 ft.
TYPE OF SEAL:	Fine sand 30/65
DEPTH - TOP OF SAND PACK:	2 ft.
DEPTH - TOP OF SCREEN:	2 ft.
TYPE OF SCREEN:	PVC pre-pack
SLOT SIZE X LENGTH:	0.010x10 ft.
I.D. OF SCREEN:	1.5 in.
TYPE OF SAND PACK:	Pre-pack screen 20/30 to 30/45
DEPTH TO BOTTOM OF SCREEN:	12 ft.
DEPTH TO BOTTOM OF SAND PACK:	N/A
TYPE OF BACKFILL BELOW MONITORING WELL:	N/A
DEPTH TO BOTTOM OF BOREHOLE:	N/A

NOTES:

OVERBURDEN MONITORING WELL SHEET

PROJECT:	NTC ORLANDO	LOCATION:	OU4	DRILLER:	Renegade
PROJECT NO.	112G00606	BORING:	OLD-13-72B	METHOD:	DPT+Auger
ELEVATION:	NA	DATE:	31-Jan-08	DEVELOPMENT:	NA
FIELD GEOLOGIST:	Gary Braganza				

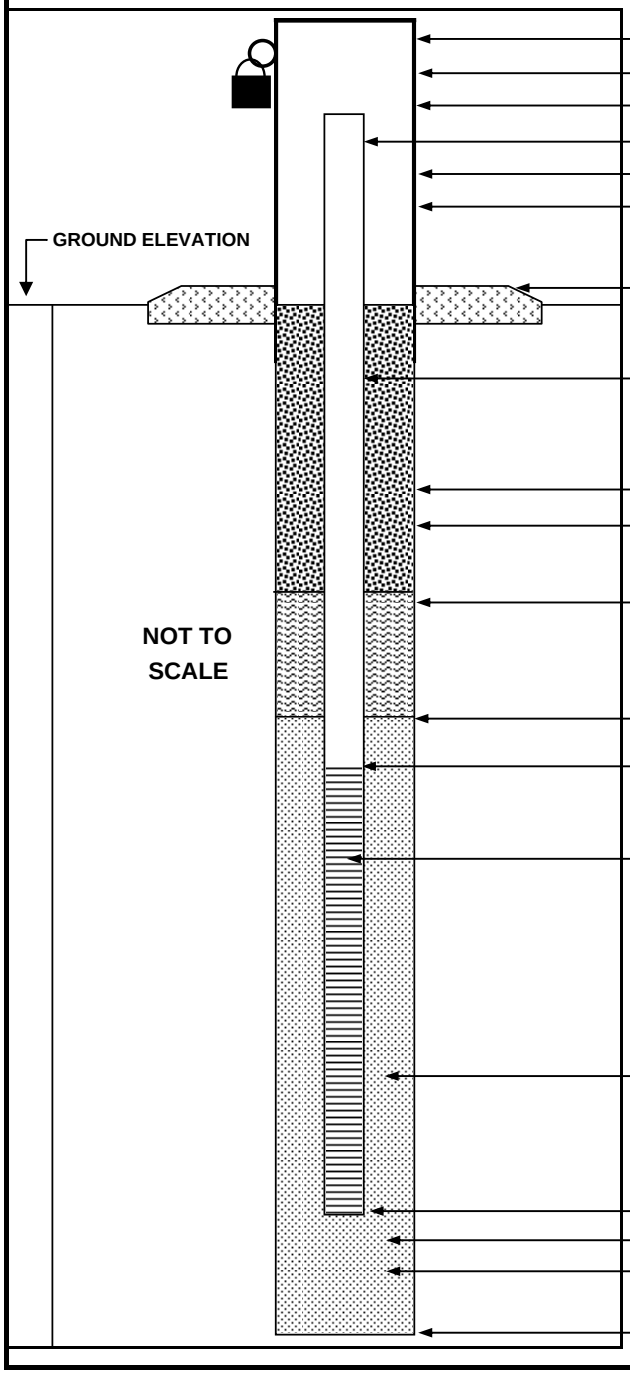


ELEVATION OF TOP OF SURFACE CASING:	3.5 ft.
ELEVATION OF TOP OF RISER PIPE:	2.5 ft.
STICK-UP TOP OF SURFACE CASING:	NA
STICK-UP OF RISER PIPE:	NA
I.D. OF SURFACE CASING:	4 in.
TYPE OF SURFACE CASING:	Steel locking cap
TYPE OF SURFACE SEAL:	Portland cement
RISER PIPE I.D.:	1.5 in.
TYPE OF RISER PIPE:	PVC
BOREHOLE DIAMETER:	4 in.
TYPE OF SEAL:	Benonite-cement grout mix
DEPTH OF SEAL:	15 ft.
TYPE OF SEAL:	Fine sand 30/65
DEPTH - TOP OF SAND PACK:	16 ft.
DEPTH - TOP OF SCREEN:	16 ft.
TYPE OF SCREEN:	PVC pre-pack
SLOT SIZE X LENGTH:	0.010x10 ft.
I.D. OF SCREEN:	1.5 in.
TYPE OF SAND PACK:	Pre-pack screen 20/30 to 30/45
DEPTH TO BOTTOM OF SCREEN:	26 ft.
DEPTH TO BOTTOM OF SAND PACK:	NA
TYPE OF BACKFILL BELOW MONITORING WELL:	NA
DEPTH TO BOTTOM OF BOREHOLE:	NA

NOTES:

OVERBURDEN MONITORING WELL SHEET

PROJECT:	NTC ORLANDO	LOCATION:	OU4	DRILLER:	Renegade
PROJECT NO.	112G00606	BORING:	OLD-13-73C	METHOD:	DPT+Auger
ELEVATION:	NA	DATE:	31-Jan-08	DEVELOPMENT:	NA
FIELD GEOLOGIST:	Gary Braganza				

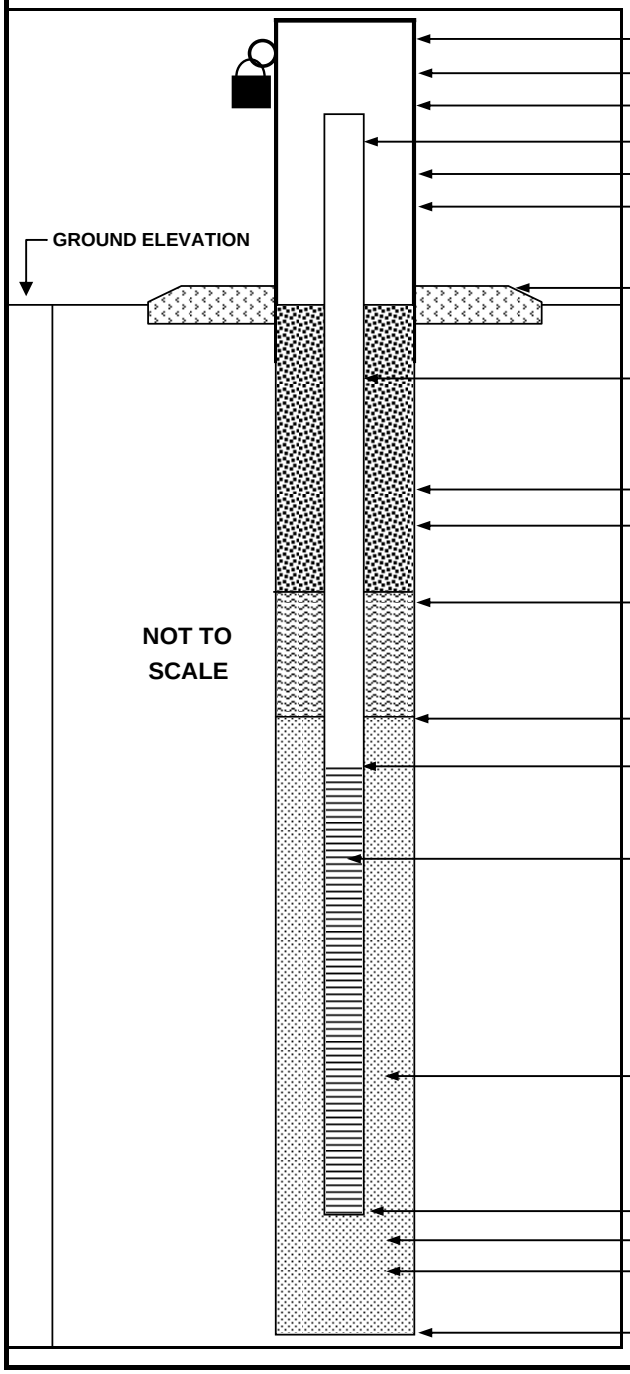


ELEVATION OF TOP OF SURFACE CASING:	3.5 ft.
ELEVATION OF TOP OF RISER PIPE:	2.5 ft.
STICK-UP TOP OF SURFACE CASING:	NA
STICK-UP OF RISER PIPE:	NA
I.D. OF SURFACE CASING:	4 in.
TYPE OF SURFACE CASING:	Steel locking cap
TYPE OF SURFACE SEAL:	Portland cement
RISER PIPE I.D.:	1.5 in.
TYPE OF RISER PIPE:	PVC
BOREHOLE DIAMETER:	4 in.
TYPE OF SEAL:	Benonite-cement grout mix
DEPTH OF SEAL:	45 ft.
TYPE OF SEAL:	Fine sand 30/65
DEPTH - TOP OF SAND PACK:	46 ft.
DEPTH - TOP OF SCREEN:	46 ft.
TYPE OF SCREEN:	PVC pre-pack
SLOT SIZE X LENGTH:	0.010x10 ft.
I.D. OF SCREEN:	1.5 in.
TYPE OF SAND PACK:	Pre-pack screen 20/30 to 30/45
DEPTH TO BOTTOM OF SCREEN:	56 ft.
DEPTH TO BOTTOM OF SAND PACK:	NA
TYPE OF BACKFILL BELOW MONITORING WELL:	NA
DEPTH TO BOTTOM OF BOREHOLE:	NA

NOTES:

OVERBURDEN MONITORING WELL SHEET

PROJECT:	NTC ORLANDO	LOCATION:	OU4	DRILLER:	Renegade
PROJECT NO.	112G00606	BORING:	OLD-13-74A	METHOD:	DPT+Auger
ELEVATION:	NA	DATE:	30-Jan-08	DEVELOPMENT:	NA
FIELD GEOLOGIST:	Gary Braganza				

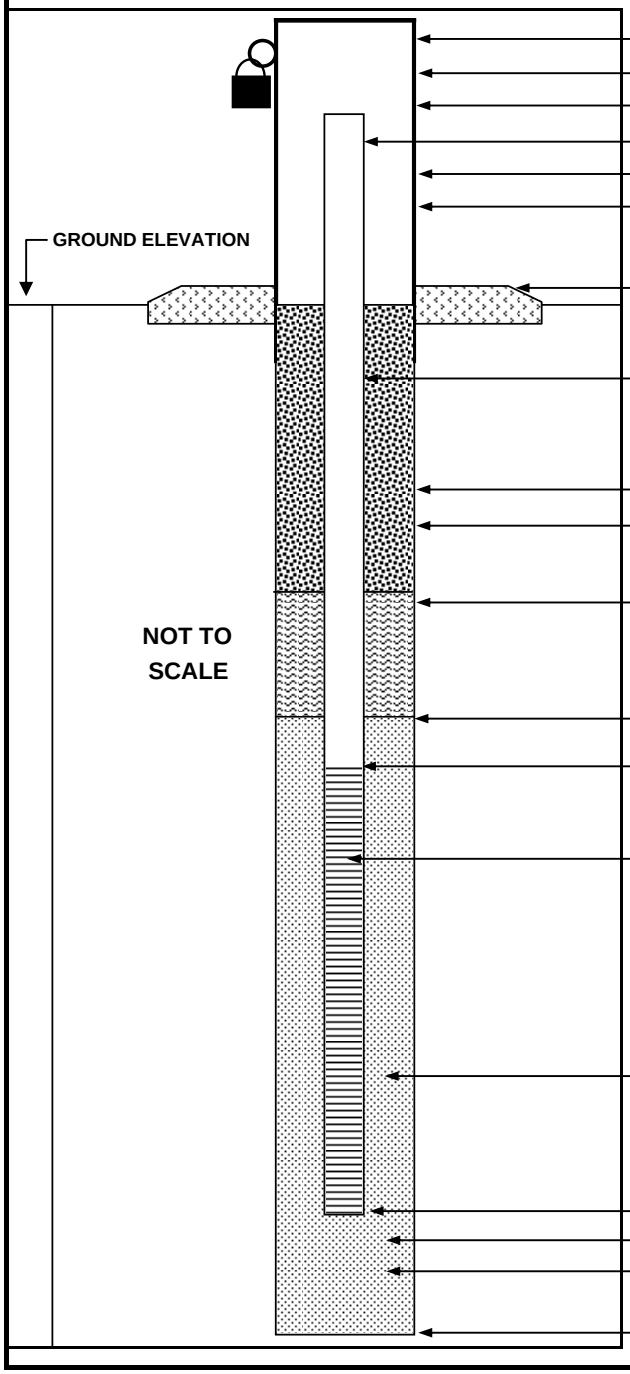


ELEVATION OF TOP OF SURFACE CASING:	3.0 ft.
ELEVATION OF TOP OF RISER PIPE:	2.5 ft.
STICK-UP TOP OF SURFACE CASING:	NA
STICK-UP OF RISER PIPE:	NA
I.D. OF SURFACE CASING:	4 in.
TYPE OF SURFACE CASING:	Steel locking cap
TYPE OF SURFACE SEAL:	Portland cement
RISER PIPE I.D.:	1.5 in.
TYPE OF RISER PIPE:	PVC
BOREHOLE DIAMETER:	4 in.
TYPE OF SEAL:	Benonite-cement grout mix
DEPTH OF SEAL:	2 ft.
TYPE OF SEAL:	Fine sand 30/65
DEPTH - TOP OF SAND PACK:	3 ft.
DEPTH - TOP OF SCREEN:	3 ft.
TYPE OF SCREEN:	PVC pre-pack
SLOT SIZE X LENGTH:	0.010x10 ft.
I.D. OF SCREEN:	1.5 in.
TYPE OF SAND PACK:	Pre-pack screen 20/30 to 30/45
DEPTH TO BOTTOM OF SCREEN:	13 ft.
DEPTH TO BOTTOM OF SAND PACK:	NA
TYPE OF BACKFILL BELOW MONITORING WELL:	NA
DEPTH TO BOTTOM OF BOREHOLE:	NA

NOTES: _____

OVERBURDEN MONITORING WELL SHEET

PROJECT:	NTC ORLANDO	LOCATION:	OU4	DRILLER:	Renegade
PROJECT NO.	112G00606	BORING:	OLD-13-75B	METHOD:	DPT+Auger
ELEVATION:	NA	DATE:	30-Jan-08	DEVELOPMENT:	NA
FIELD GEOLOGIST:	Gary Braganza				

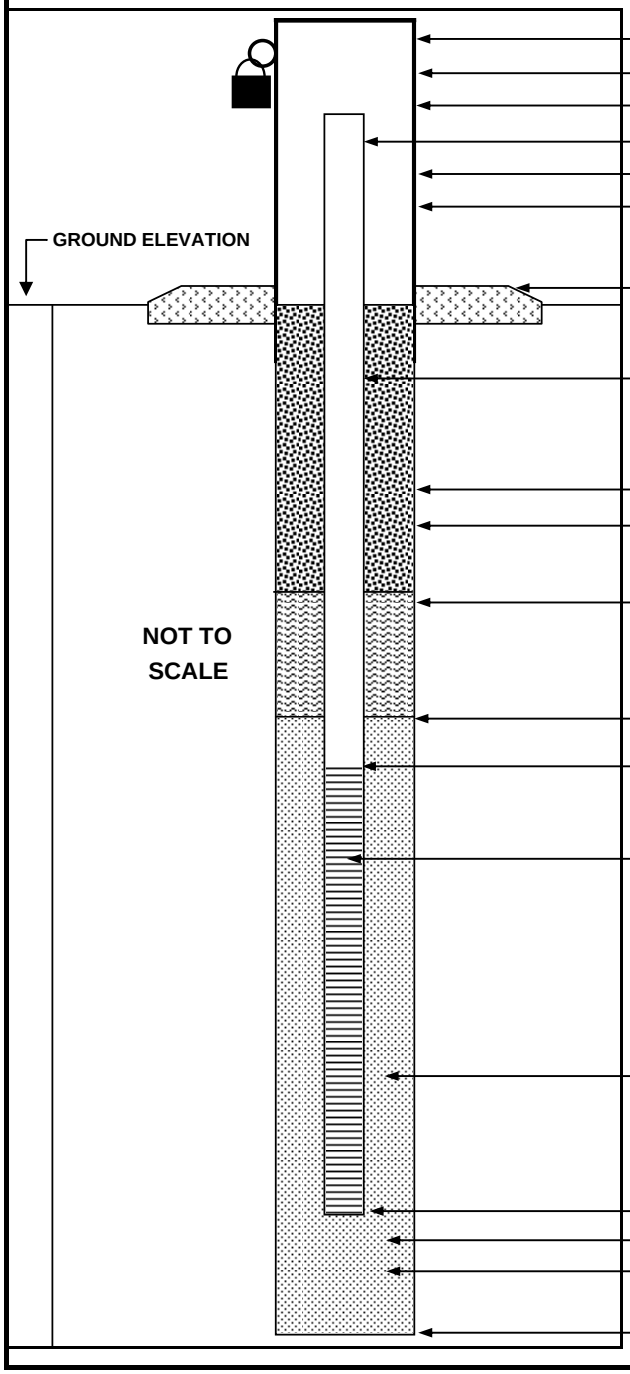


ELEVATION OF TOP OF SURFACE CASING:	3.0 ft.
ELEVATION OF TOP OF RISER PIPE:	2.5 ft.
STICK-UP TOP OF SURFACE CASING:	NA
STICK-UP OF RISER PIPE:	NA
I.D. OF SURFACE CASING:	4 in.
TYPE OF SURFACE CASING:	Steel locking cap
TYPE OF SURFACE SEAL:	Portland cement
RISER PIPE I.D.:	1.5 in.
TYPE OF RISER PIPE:	PVC
BOREHOLE DIAMETER:	4 in.
TYPE OF SEAL:	Benonite-cement grout mix
DEPTH OF SEAL:	17 ft.
TYPE OF SEAL:	Fine sand 30/65
DEPTH - TOP OF SAND PACK:	18 ft.
DEPTH - TOP OF SCREEN:	18 ft.
TYPE OF SCREEN:	PVC pre-pack
SLOT SIZE X LENGTH:	0.010x10 ft.
I.D. OF SCREEN:	1.5 in.
TYPE OF SAND PACK:	Pre-pack screen 20/30 to 30/45
DEPTH TO BOTTOM OF SCREEN:	28 ft.
DEPTH TO BOTTOM OF SAND PACK:	NA
TYPE OF BACKFILL BELOW MONITORING WELL:	NA
DEPTH TO BOTTOM OF BOREHOLE:	NA

NOTES:

OVERBURDEN MONITORING WELL SHEET

PROJECT:	NTC ORLANDO	LOCATION:	OU4	DRILLER:	Renegade
PROJECT NO.	112G00606	BORING:	OLD-13-76C	METHOD:	DPT+Auger
ELEVATION:	NA	DATE:	2-Feb-08	DEVELOPMENT:	NA
FIELD GEOLOGIST:	Gary Braganza				

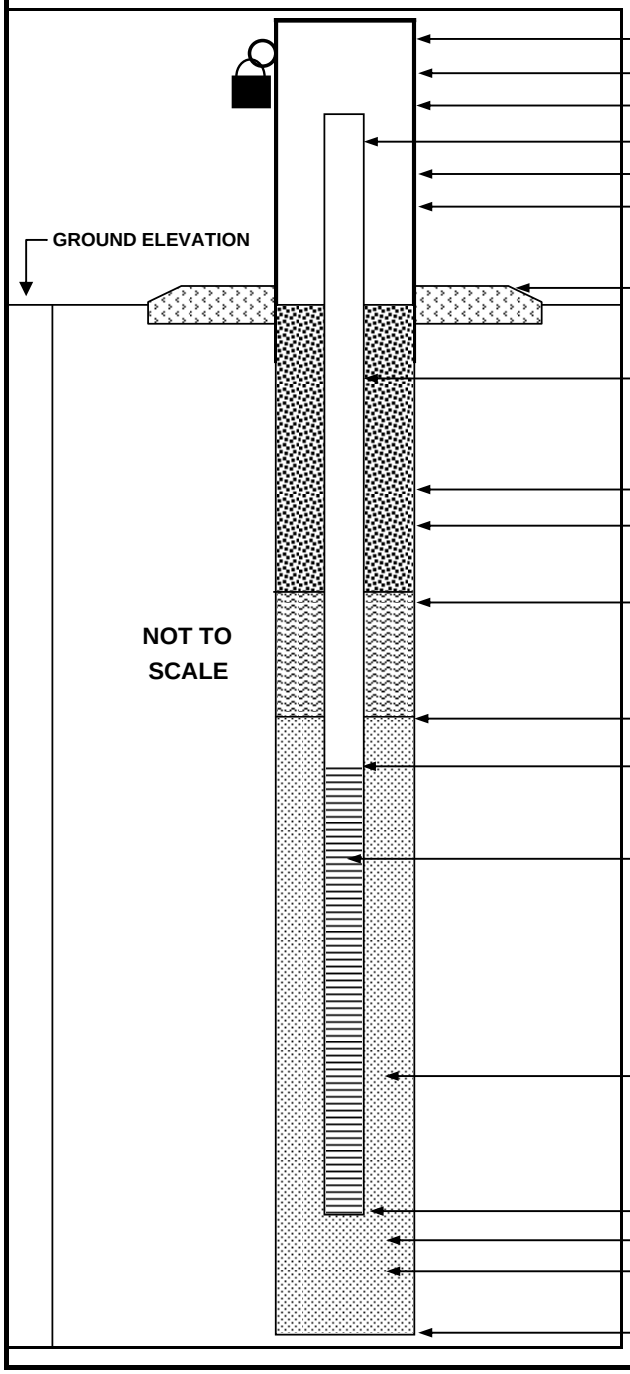


ELEVATION OF TOP OF SURFACE CASING:	3.0 ft.
ELEVATION OF TOP OF RISER PIPE:	2.5 ft.
STICK-UP TOP OF SURFACE CASING:	NA
STICK-UP OF RISER PIPE:	NA
I.D. OF SURFACE CASING:	4 in.
TYPE OF SURFACE CASING:	Steel locking cap
TYPE OF SURFACE SEAL:	Portland cement
RISER PIPE I.D.:	1.5 in.
TYPE OF RISER PIPE:	PVC
BOREHOLE DIAMETER:	4 in.
TYPE OF SEAL:	Benonite-cement grout mix
DEPTH OF SEAL:	44 ft.
TYPE OF SEAL:	Fine sand 30/65
DEPTH - TOP OF SAND PACK:	45 ft.
DEPTH - TOP OF SCREEN:	45ft.
TYPE OF SCREEN:	PVC pre-pack
SLOT SIZE X LENGTH:	0.010x10 ft.
I.D. OF SCREEN:	1.5 in.
TYPE OF SAND PACK:	Pre-pack screen 20/30 to 30/45
DEPTH TO BOTTOM OF SCREEN:	55 ft.
DEPTH TO BOTTOM OF SAND PACK:	NA
TYPE OF BACKFILL BELOW MONITORING WELL:	NA
DEPTH TO BOTTOM OF BOREHOLE:	NA

NOTES:

OVERBURDEN MONITORING WELL SHEET

PROJECT:	NTC ORLANDO	LOCATION:	OU4	DRILLER:	Renegade
PROJECT NO.	112G00606	BORING:	OLD-13-77A	METHOD:	DPT+Auger
ELEVATION:	NA	DATE:	30-Jan-08	DEVELOPMENT:	NA
FIELD GEOLOGIST:	Gary Braganza				

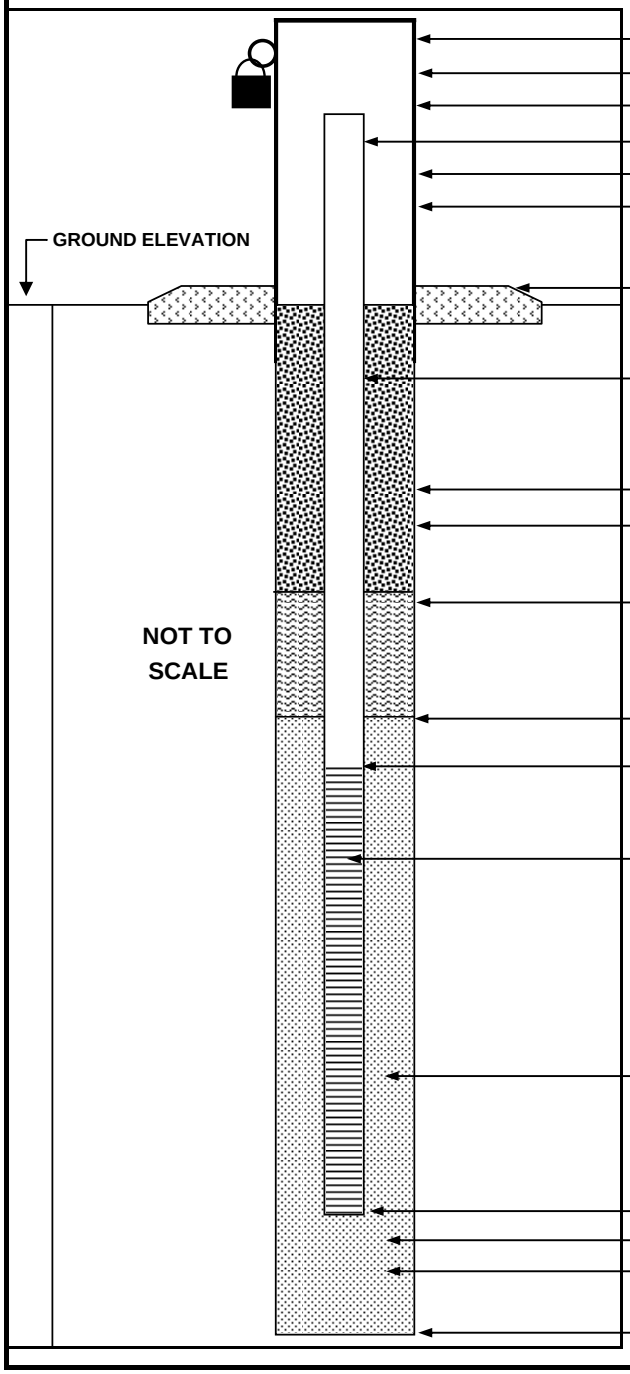


ELEVATION OF TOP OF SURFACE CASING:	3.0 ft.
ELEVATION OF TOP OF RISER PIPE:	2.5 ft.
STICK-UP TOP OF SURFACE CASING:	NA
STICK-UP OF RISER PIPE:	NA
I.D. OF SURFACE CASING:	4 in.
TYPE OF SURFACE CASING:	Steel locking cap
TYPE OF SURFACE SEAL:	Portland cement
RISER PIPE I.D.:	1.5 in.
TYPE OF RISER PIPE:	PVC
BOREHOLE DIAMETER:	4 in.
TYPE OF SEAL:	Benonite-cement grout mix
DEPTH OF SEAL:	3 ft.
TYPE OF SEAL:	Fine sand 30/65
DEPTH - TOP OF SAND PACK:	4 ft.
DEPTH - TOP OF SCREEN:	4 ft.
TYPE OF SCREEN:	PVC pre-pack
SLOT SIZE X LENGTH:	0.010x10 ft.
I.D. OF SCREEN:	1.5 in.
TYPE OF SAND PACK:	Pre-pack screen 20/30 to 30/45
DEPTH TO BOTTOM OF SCREEN:	14 ft.
DEPTH TO BOTTOM OF SAND PACK:	NA
TYPE OF BACKFILL BELOW MONITORING WELL:	NA
DEPTH TO BOTTOM OF BOREHOLE:	NA

NOTES:

OVERBURDEN MONITORING WELL SHEET

PROJECT:	NTC ORLANDO	LOCATION:	OU4	DRILLER:	Renegade
PROJECT NO.	112G00606	BORING:	OLD-13-78B	METHOD:	DPT+Auger
ELEVATION:	NA	DATE:	30-Jan-08	DEVELOPMENT:	NA
FIELD GEOLOGIST:	Gary Braganza				

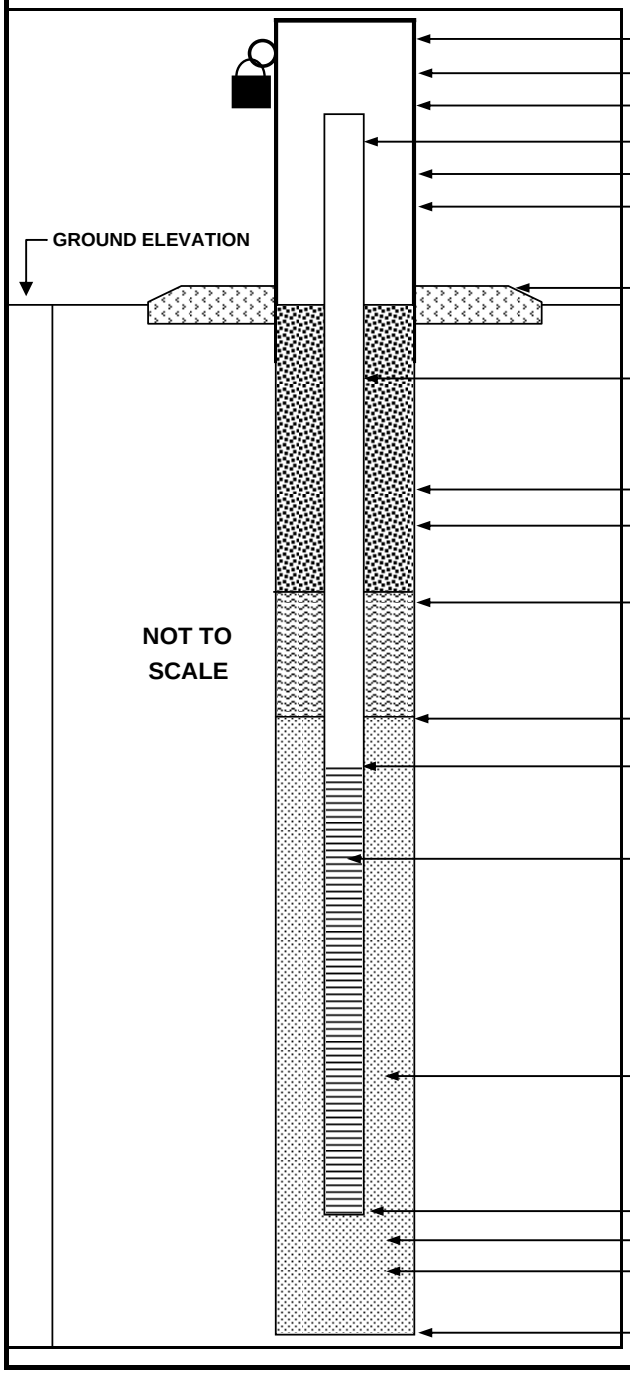


ELEVATION OF TOP OF SURFACE CASING:	3.0 ft.
ELEVATION OF TOP OF RISER PIPE:	2.5 ft.
STICK-UP TOP OF SURFACE CASING:	NA
STICK-UP OF RISER PIPE:	NA
I.D. OF SURFACE CASING:	4 in.
TYPE OF SURFACE CASING:	Steel locking cap
TYPE OF SURFACE SEAL:	Portland cement
RISER PIPE I.D.:	1.5 in.
TYPE OF RISER PIPE:	PVC
BOREHOLE DIAMETER:	4 in.
TYPE OF SEAL:	Benonite-cement grout mix
DEPTH OF SEAL:	17 ft.
TYPE OF SEAL:	Fine sand 30/65
DEPTH - TOP OF SAND PACK:	18 ft.
DEPTH - TOP OF SCREEN:	18 ft.
TYPE OF SCREEN:	PVC pre-pack
SLOT SIZE X LENGTH:	0.010x10 ft.
I.D. OF SCREEN:	1.5 in.
TYPE OF SAND PACK:	Pre-pack screen 20/30 to 30/45
DEPTH TO BOTTOM OF SCREEN:	28 ft.
DEPTH TO BOTTOM OF SAND PACK:	NA
TYPE OF BACKFILL BELOW MONITORING WELL:	NA
DEPTH TO BOTTOM OF BOREHOLE:	NA

NOTES: _____

OVERBURDEN MONITORING WELL SHEET

PROJECT:	NTC ORLANDO	LOCATION:	OU4	DRILLER:	Renegade
PROJECT NO.	112G00606	BORING:	OLD-13-79C	METHOD:	DPT+Auger
ELEVATION:	NA	DATE:	1-Feb-08	DEVELOPMENT:	NA
FIELD GEOLOGIST:	Gary Braganza				

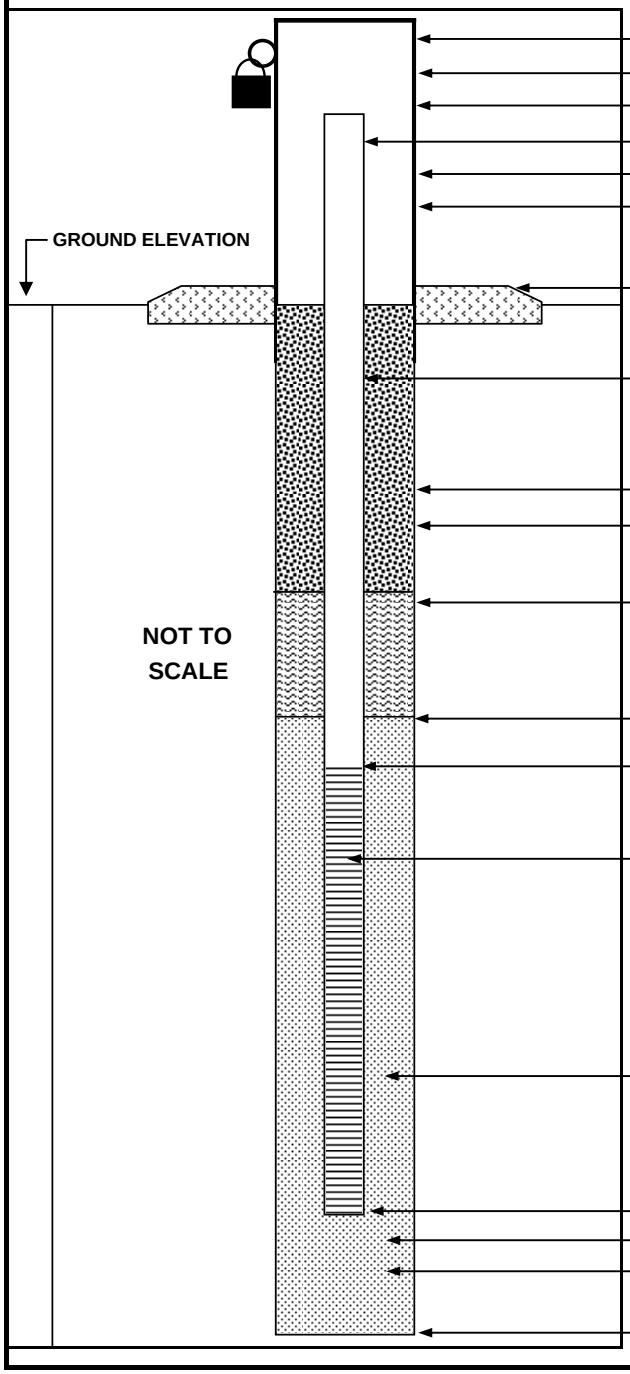


ELEVATION OF TOP OF SURFACE CASING:	3.0 ft.
ELEVATION OF TOP OF RISER PIPE:	2.5 ft.
STICK-UP TOP OF SURFACE CASING:	NA
STICK-UP OF RISER PIPE:	NA
I.D. OF SURFACE CASING:	4 in.
TYPE OF SURFACE CASING:	Steel locking cap
TYPE OF SURFACE SEAL:	Portland cement
RISER PIPE I.D.:	1.5 in.
TYPE OF RISER PIPE:	PVC
BOREHOLE DIAMETER:	4 in.
TYPE OF SEAL:	Benonite-cement grout mix
DEPTH OF SEAL:	43 ft.
TYPE OF SEAL:	Fine sand 30/65
DEPTH - TOP OF SAND PACK:	44 ft.
DEPTH - TOP OF SCREEN:	44 ft.
TYPE OF SCREEN:	PVC pre-pack
SLOT SIZE X LENGTH:	0.010x10 ft.
I.D. OF SCREEN:	1.5 in.
TYPE OF SAND PACK:	Pre-pack screen 20/30 to 30/45
DEPTH TO BOTTOM OF SCREEN:	54 ft.
DEPTH TO BOTTOM OF SAND PACK:	NA
TYPE OF BACKFILL BELOW MONITORING WELL:	NA
DEPTH TO BOTTOM OF BOREHOLE:	NA

NOTES:

OVERBURDEN MONITORING WELL SHEET

PROJECT:	NTC ORLANDO	LOCATION:	OU4	DRILLER:	Renegade
PROJECT NO.	112G00606	BORING:	OLD-13-80C	METHOD:	DPT+Auger
ELEVATION:	NA	DATE:	31-Jan-08	DEVELOPMENT:	NA
FIELD GEOLOGIST:	Gary Braganza				



ELEVATION OF TOP OF SURFACE CASING:	3.0 ft.
ELEVATION OF TOP OF RISER PIPE:	2.5 ft.
STICK-UP TOP OF SURFACE CASING:	NA
STICK-UP OF RISER PIPE:	NA
I.D. OF SURFACE CASING:	4 in.
TYPE OF SURFACE CASING:	Steel locking cap
TYPE OF SURFACE SEAL:	Portland cement
RISER PIPE I.D.:	1.5 in.
TYPE OF RISER PIPE:	PVC
BOREHOLE DIAMETER:	4 in.
TYPE OF SEAL:	Benonite-cement grout mix
DEPTH OF SEAL:	35 ft.
TYPE OF SEAL:	Fine sand 30/65
DEPTH - TOP OF SAND PACK:	36 ft.
DEPTH - TOP OF SCREEN:	36 ft.
TYPE OF SCREEN:	PVC pre-pack
SLOT SIZE X LENGTH:	0.010x10 ft.
I.D. OF SCREEN:	1.5 in.
TYPE OF SAND PACK:	Pre-pack screen 20/30 to 30/45
DEPTH TO BOTTOM OF SCREEN:	41 ft.
DEPTH TO BOTTOM OF SAND PACK:	NA
TYPE OF BACKFILL BELOW MONITORING WELL:	NA
DEPTH TO BOTTOM OF BOREHOLE:	NA

NOTES: _____

WELL NO. OLD-13-81D
(nested with well OLD-13-82D)

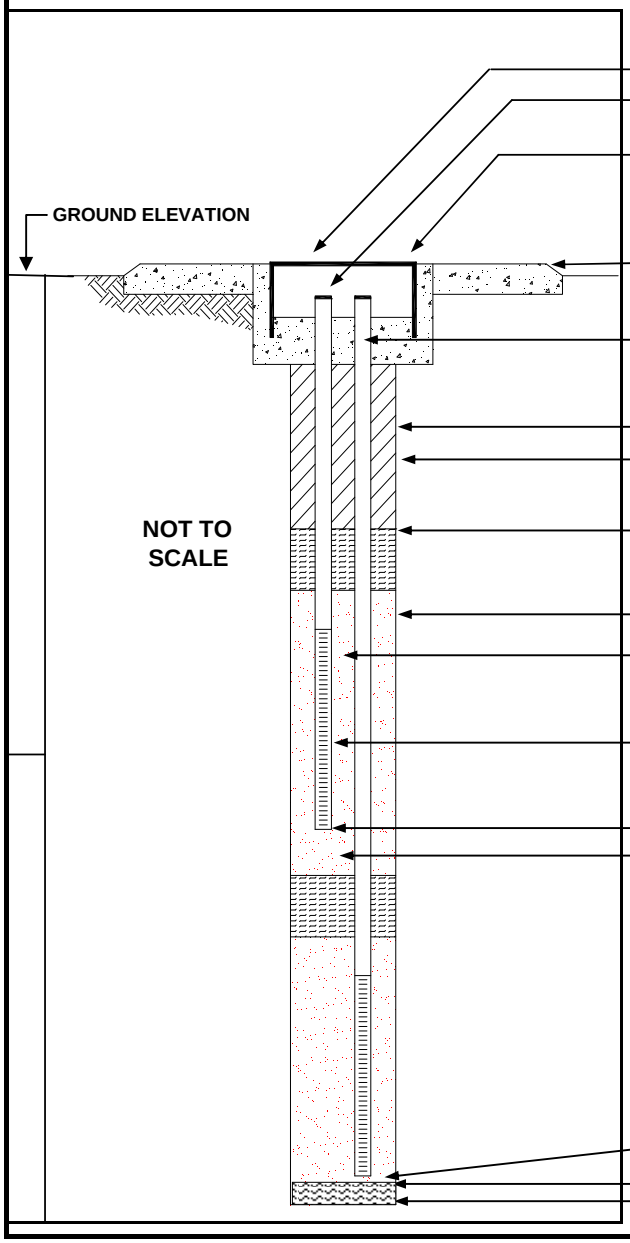
OVERBURDEN

MONITORING WELL SHEET

FLUSH - MOUNT

Tetra Tech NUS, Inc.

PROJECT	NTC Orlando	LOCATION	OU 4	DRILLER	Boart Longyear
PROJECT NO.	112G01606	BORING	SB08	DRILLING	
ELEVATION	106.72	DATE	3/10/2009	METHOD:	SONIC
FIELD GEOLOGIST	Gary Braganza			DEVELOPMENT:	



ELEVATION OF TOP OF DRIVE-OVER BOX:	107.14
ELEVATION OF TOP OF RISER PIPE:	106.72
I.D. OF DRIVE-OVER BOX:	8"
TYPE OF SURFACE CASING:	steel manhole
TYPE OF SURFACE SEAL:	Portland cement
RISER PIPE I.D.:	1"
TYPE OF RISER PIPE:	PVC
BOREHOLE DIAMETER:	6"
TYPE OF SEAL:	bentonite/grout mix
DEPTH OF PRIMARY SEAL:	90'
TYPE OF SEAL:	bentonite chips
DEPTH - TOP OF SAND PACK:	95'
DEPTH - TOP OF SCREEN:	97'
I.D. OF SCREEN:	1"
TYPE OF SCREEN:	PVC -pre pack
SLOT SIZE X LENGTH:	0.010" x 5'
DEPTH TO BOTTOM OF SCREEN:	102'
DEPTH TO BOTTOM OF SAND PACK:	103'
TYPE OF SAND PACK:	20/30 silica sand
TYPE OF BACKFILL BELOW MONITORING WELL:	1 ft 20/30 silica sand
DEPTH TO TOP OF 4' BASE BENTONITE SEAL:	121'
DEPTH TO BOTTOM OF BOREHOLE:	125'

WELL NO. OLD-13-82D
(nested with well OLD-13-81D)

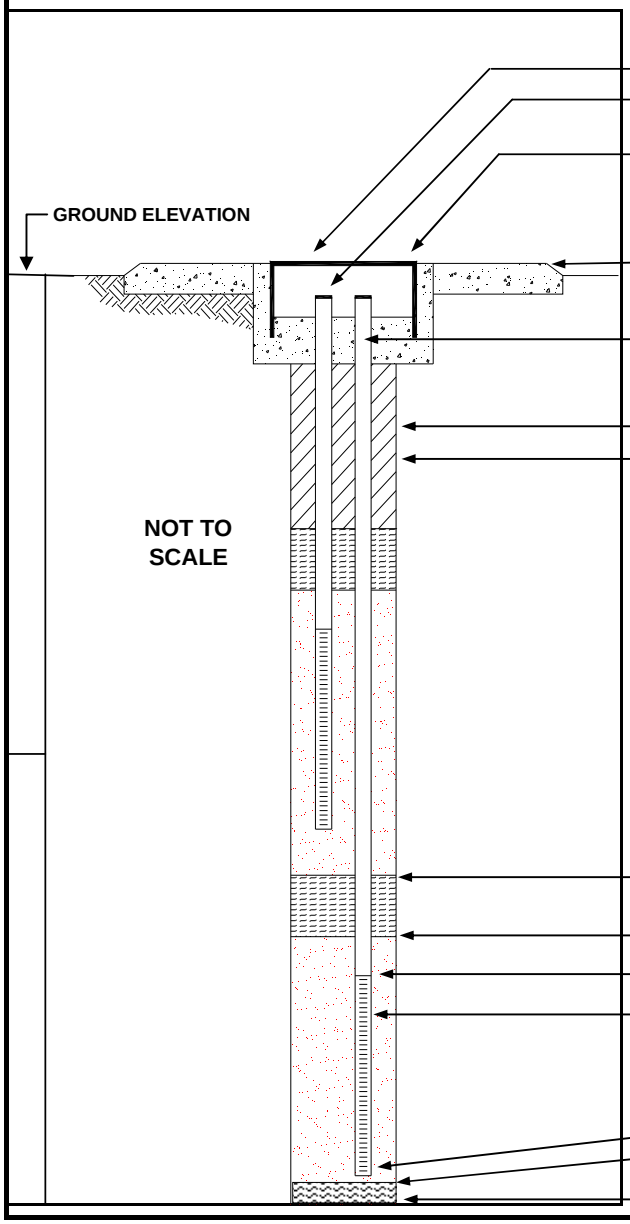
OVERBURDEN

MONITORING WELL SHEET

FLUSH - MOUNT

Tetra Tech NUS, Inc.

PROJECT	NTC Orlando	LOCATION	OU 4	DRILLER	Boart Longyear
PROJECT NO.	112G01606	BORING		DRILLING	
ELEVATION	106.70	DATE	3/10/2009	METHOD:	SONIC
FIELD GEOLOGIST	Gary Braganza			DEVELOPMENT:	Submersible pump



ELEVATION OF TOP OF DRIVE-OVER BOX:	107.14
ELEVATION OF TOP OF RISER PIPE:	106.7
I.D. OF DRIVE-OVER BOX:	8"
TYPE OF SURFACE CASING:	steel manhole
TYPE OF SURFACE SEAL:	Portland cement
RISER PIPE I.D.:	1"
TYPE OF RISER PIPE:	PVC
BOREHOLE DIAMETER:	6"
TYPE OF SEAL:	bentonite/grout mix
I.D. OF SCREEN:	1"
SLOT SIZE X LENGTH:	0.010" x 5'
TYPE OF SEAL:	bentonite chips
DEPTH TO TOP OF INTERMEDIATE SEAL:	103'
DEPTH - TOP OF SAND PACK:	113'
DEPTH - TOP OF SCREEN:	115'
TYPE OF SCREEN:	PVC pre-pack
TYPE OF SAND PACK:	20/30 silica sand
TYPE OF BACKFILL BELOW MONITORING WELL:	20/30 silica sand
DEPTH TO BOTTOM OF SCREEN:	120'
DEPTH TO TOP OF 4' BASE BENTONITE SEAL:	121'
DEPTH TO BOTTOM OF BOREHOLE:	125'

CH2MHILL

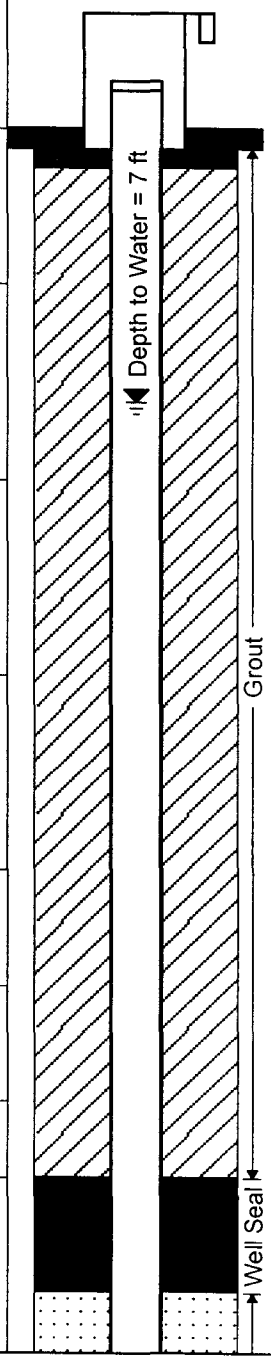
Well Number: OLD-13-DOW5

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date:

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth
				Ground Surface	108 / 0
				Fine SAND (SM), brown, dry to moist, medium-dense	104 / 4
				Medium to coarse SAND (SP), brown-grey, wet, medium-dense	99 / 9
				Silty, fine SAND (SM/ML), very dark brown, wet, dense to medium dense	94 / 14
	1	5-6-6-7		Silty, fine SAND (SM/ML), very dark brown, wet, dense to hard	89 / 19
	2	19-35-39-50+		Silty, fine SAND (SM/ML), very dark brown, wet, dense to hard	86 / 22
				Hard Layer at 22 to 27 feet bls	83 / 25
	3	16-31-50+		Silty SAND (SM/ML), trace clay, very dark brown, very moist, very dense to hard, partialy cemented	81 / 27
	4	17-30-28-30		Fine to medium SAND (SM/SP), dark brown, very moist, very dense	

Depth: -3, 2, 7, 12, 17, 22, 27



Wellhead Protection Cover:
4" square steel protective riser
Weep Hole: No
Concrete Pad Dimensions:
2' x 2' x 4"

Diameter/Type of Well Casing:
2" PVC, flush thread

Type/Slot Size of Screen:
2" PVC, flush thread/ 0.010" slot

Type Screen Filter:
20/30 Silica Sand (21 bags)

Type of Seal:
Fine Sand (1 bag)
Bentonite Chips (1 bag)

Grout:
Portland Cement (5% Betonite)
Method of Placement:
Tremie Pipe
Volume of Well Casing Grout:
13 bags

Development Method:
Pump/Surge

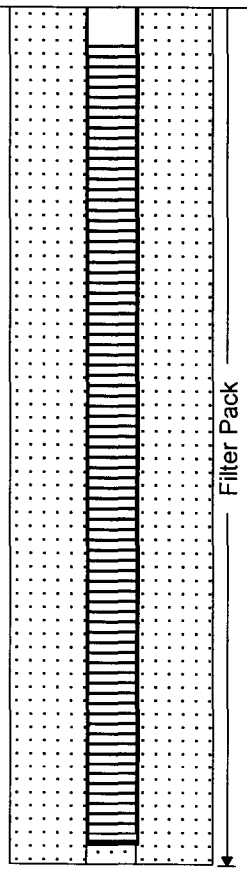
CH2MHILL

Well Number: OLD-13-DOW5

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date:

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
				Medium to coarse SAND (SP), orange-brown, very moist, dense	74 / 34		
36							
41							
46							
51					56 / 52		
				End of Log			
56							
61							



PROJECT NUMBER:	BORING ID:
161919	DOW-09 Sheet 1 of 1

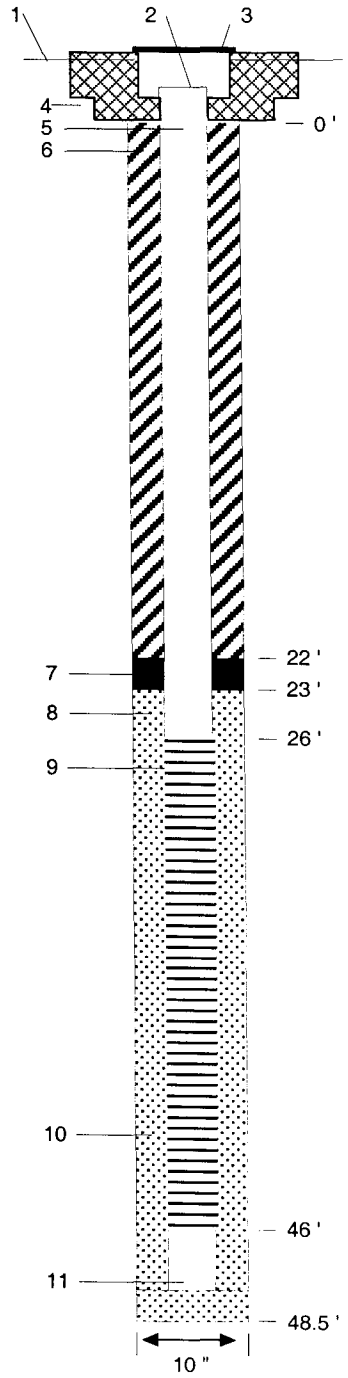
WELL COMPLETION DIAGRAM

PROJECT: NTC Orlando LOCATION: OU4

GROUND ELEVATION: 108 NORTHING: 1536879.32 EASTING: 544846.36 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/11/2002 END: 11/11/2002 LOGGER: Jennifer Ottoson



1- Ground elevation at well: 108.24 '

2- Top of casing elevation: 108.04 '

3- Wellhead protection cover type: Flush Mount
Concrete pad dimensions: 2' x 2' x 4"

4- Diameter of Surface Casing:
Surface casing type: NA

5- Diameter of Well Casing: 2 "
Well casing type: PVC

6- Grout:
a) Grout mix used: Grout/ Bentonite Mix

b) Method of placement: Tremie
c) Qty. of surface casing grout: NA
d) Qty. of well casing grout:

7- Type of seal: Bentonite pellets

a) Quantity used

8- Transition sand: 30/65 Fine Sand
a) Quantity used: 1 Bag

9-Type/slot size of screen: PVC
0.01 "

10- Type of filter pack: 20/30 Sand

a) Quantity used: 15 Bags

11. PVC end cap: PVC

Centralizers:
a) Type:
b) Depths (feet, bgs):

Development:
a) Method:
b) Duration:
c) PurgeVolume:

Comments:

NOTE: NOT TO SCALE

PROJECT NUMBER:	BORING ID:
161919	DOW-10 Sheet 1 of 1

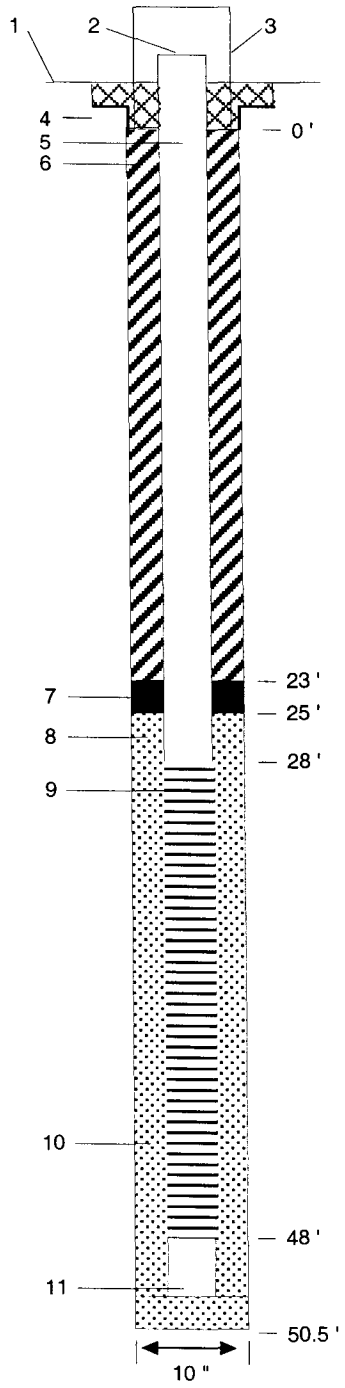
WELL COMPLETION DIAGRAM

PROJECT: NTC Orlando LOCATION: OU4

GROUND ELEVATION: 108 NORTHING: 1536816.38 EASTING: 544844.32 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES,

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/14/2002 END: 11/14/2002 LOGGER: Jennifer Ottoson



1- Ground elevation at well: 108.28 '

2- Top of casing elevation: 109.435 '

3- Wellhead protection cover type: NA
Concrete pad dimensions: 2' x 2' x 4"

4- Diameter of Surface Casing:
Surface casing type: NA

5- Diameter of Well Casing: 2 "
Well casing type: PVC

6- Grout:
a) Grout mix used: Grout/ Bentonite Mix

b) Method of placement: Tremie
c) Qty. of surface casing grout: NA
d) Qty. of well casing grout:

7- Type of seal: Bentonite pellets

a) Quantity used

8- Transition sand: 30/65 Fine Sand
a) Quantity used: 1 Bag

9-Type/slot size of screen: PVC

10- Type of filter pack: 20/30 Sand

a) Quantity used:

11. PVC end cap: PVC

Centralizers:
a) Type:
b) Depths (feet, bgs):

Development:
a) Method:
b) Duration:
c) PurgeVolume:

Comments:

NOTE: NOT TO SCALE

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PROJECT NUMBER:	BORING ID:
161919	DOW-11 Sheet 1 of 1

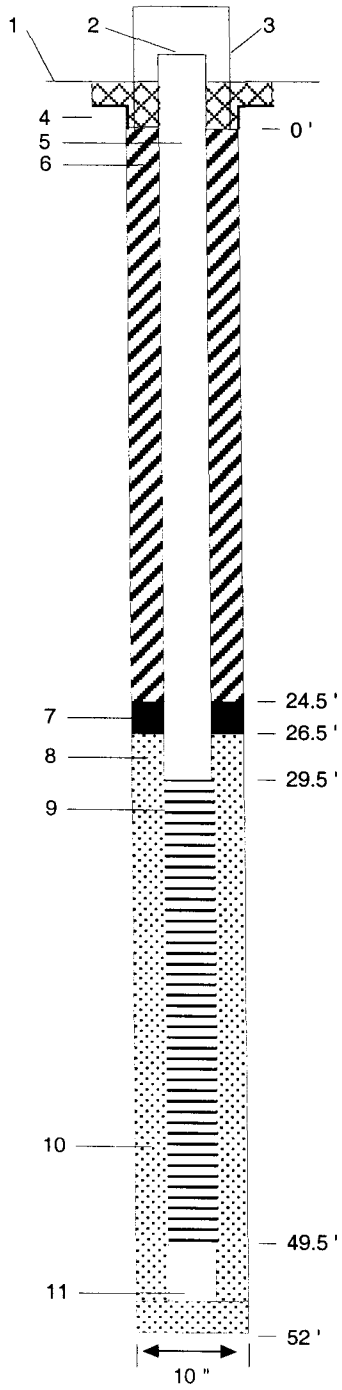
WELL COMPLETION DIAGRAM

PROJECT: NTC Orlando LOCATION: OU4

GROUND ELEVATION: 108 NORTHING: 1536788.99 EASTING: 544840.43 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES,

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/15/2002 END: 11/15/2002 LOGGER: Jennifer Ottoson



1- Ground elevation at well: 107.64 '

2- Top of casing elevation: 110.97 '

3- Wellhead protection cover type: NA
Concrete pad dimensions: 2' x 2' x 4"

4- Diameter of Surface Casing:
Surface casing type: NA

5- Diameter of Well Casing: 2 "
Well casing type: PVC

6- Grout:
a) Grout mix used: Grout/ Bentonite Mix

b) Method of placement: Tremie
c) Qty. of surface casing grout: NA
d) Qty. of well casing grout:

7- Type of seal: Bentonite pellets

a) Quantity used

8- Transition sand: 30/65 Fine Sand
a) Quantity used:

9-Type/slot size of screen: PVC

10- Type of filter pack: 20/30 Sand

a) Quantity used:

11. PVC end cap: PVC

Centralizers:
a) Type:
b) Depths (feet, bgs):

Development:
a) Method:
b) Duration:
c) PurgeVolume:

Comments:

NOTE: NOT TO SCALE

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PROJECT NUMBER:	BORING ID:
161919	DOW-12 Sheet 1 of 1

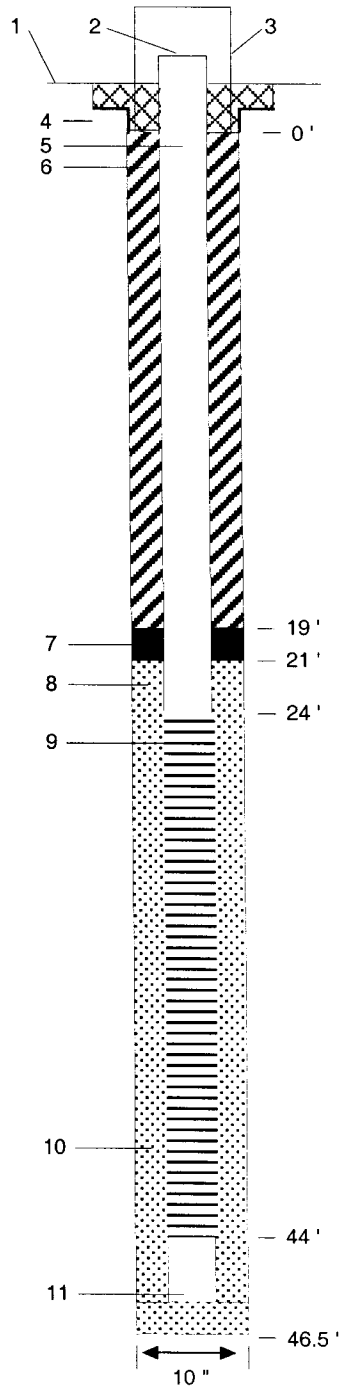
WELL COMPLETION DIAGRAM

PROJECT: NTC Orlando LOCATION: OU4

GROUND ELEVATION: 107 NORTHING: 1536836.97 EASTING: 544797.75 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES,

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/14/2002 END: 11/14/2002 LOGGER: Jennifer Ottoson



1- Ground elevation at well: 107.39 '

2- Top of casing elevation: 109.525 '

3- Wellhead protection cover type: NA
Concrete pad dimensions: 2' x 2' x 4"

4- Diameter of Surface Casing:
Surface casing type: NA

5- Diameter of Well Casing: 2 "
Well casing type: PVC

6- Grout:
a) Grout mix used: Grout/ Bentonite Mix

b) Method of placement: Tremie
c) Qty. of surface casing grout: NA
d) Qty. of well casing grout:

7- Type of seal: Bentonite pellets

a) Quantity used

8- Transition sand: 30/65 Fine Sand
a) Quantity used: 1 Bag

9-Type/slot size of screen: PVC

10- Type of filter pack: 20/30 Sand

a) Quantity used: 13 Bags

11. PVC end cap: PVC

Centralizers:
a) Type:
b) Depths (feet, bgs):

Development:
a) Method:
b) Duration:
c) PurgeVolume:

Comments:

NOTE: NOT TO SCALE

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PROJECT NUMBER	WELL NUMBER	
327012.RA.21.06.02	OLD 13 DZ1OW1	SHEET 1 OF 1

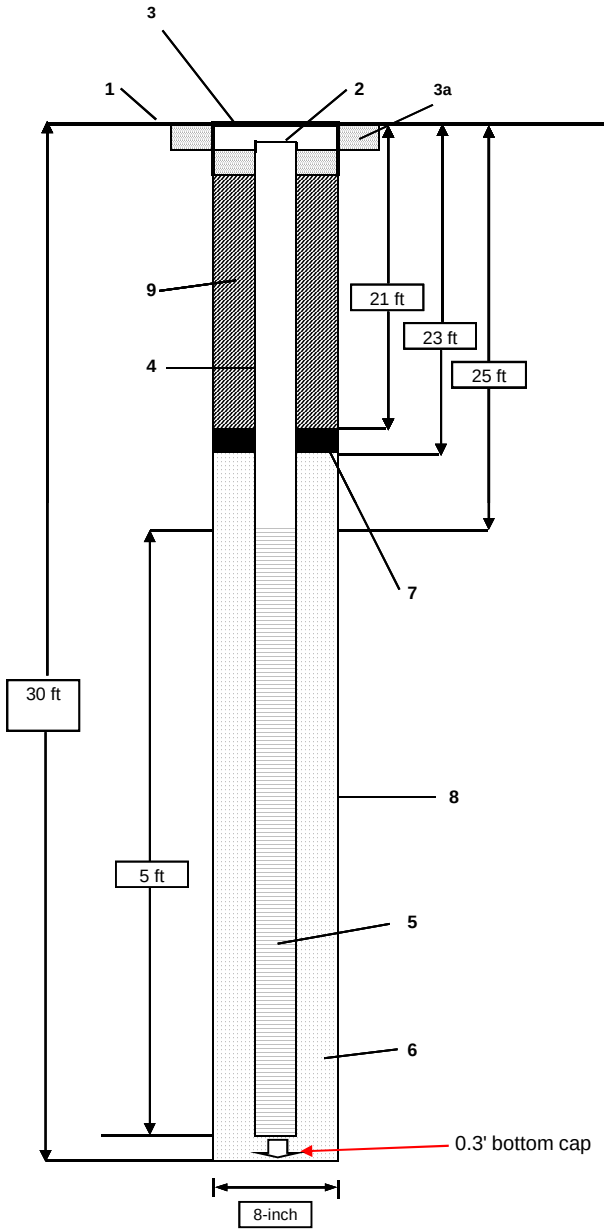
WELL COMPLETION DIAGRAM

PROJECT : OU4 EOS Injection — LOCATION : NTC Orlando OU4

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 7" x 8" Sonic Rotary — EASTING:

WATER LEVELS : START : 12/7/2006 END: 12/8/2006 LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	12"-inch Steel Manhole
a) drain tube?	
a) concrete pad dimensions	
4- Dia./type of well casing	2" 1.0 schedule 40 PVC flush thread
5- Type/slot size of screen	2" 1.0 x 5' x 0.010 Mill Slot schedule 40 PVC
6- Type screen filter	6-20 standard silica
a) quantities used	
7- Type of seal	3/8-inch Bentonite Chips
a) quantities used	
8- Grout	
a) Grout mix used	Type I/II Gu Portland
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments Note; Nested in the same Well Boring with SZA-OW1

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
327012.RA.21.06.02	OLD 13 DZ1OW2	SHEET 1 OF 1

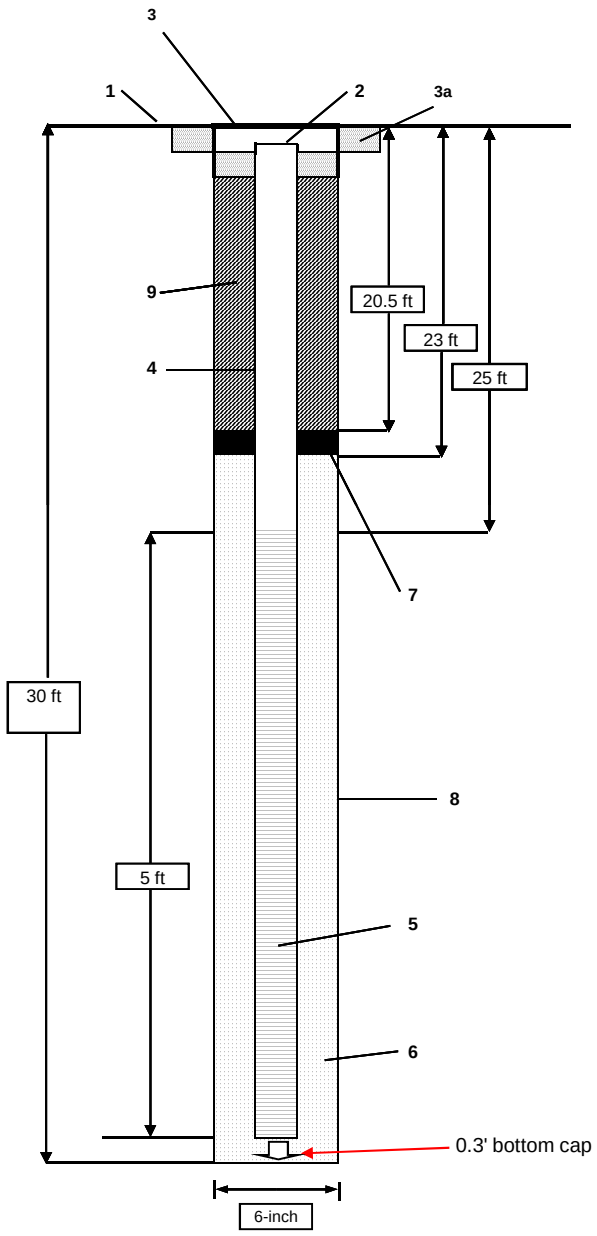
WELL COMPLETION DIAGRAM

PROJECT : OU4 EOS Injection — LOCATION : NTC Orlando OU4

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic Rotary — EASTING:

WATER LEVELS : START : END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	12-inch Steel Manhole
a) drain tube?	
a) concrete pad dimensions	
4- Dia./type of well casing	2" 1.0 schedule 40 PVC flush thread
5- Type/slot size of screen	2" 1.0 x 5' x 0.010 Mill Slot schedule 40 PVC
6- Type screen filter	6-20 standard silica
a) quantities used	
7- Type of seal	3/8-inch Bentonite Chips
a) quantities used	
8- Grout	
a) Grout mix used	Type I/II Gu Portland (1bag)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments Nested in the same boring as SZA OW2

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
327012.RA.21.06.02	OLD 13 DZ1OW3	SHEET 1 OF 1

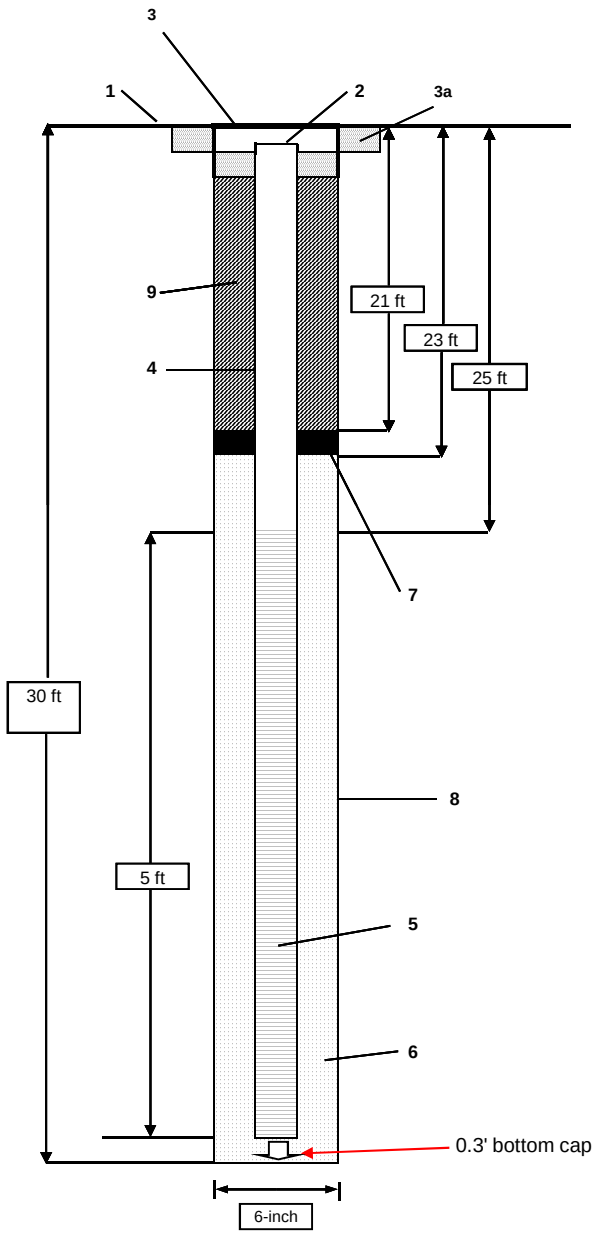
WELL COMPLETION DIAGRAM

PROJECT : OU4 EOS Injection — LOCATION : NTC Orlando OU4

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic Rotary — EASTING:

WATER LEVELS : START : END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8-inch Steel Manhole
a) drain tube?	
a) concrete pad dimensions	
4- Dia./type of well casing	2" 1.0 schedule 40 PVC flush thread
5- Type/slot size of screen	2" 1.0 x 5' x 0.010 Mill Slot schedule 40 PVC
6- Type screen filter	6-20 standard silica
a) quantities used	3 x 50lb bags Shur Plug
7- Type of seal	3/8-inch Bentonite Chips
a) quantities used	1/2 bag
8- Grout	
a) Grout mix used	Type I/II Gu Portland (1bag)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
327012.RA.21.06.02	OLD 13 DZ1OW4	SHEET 1 OF 1

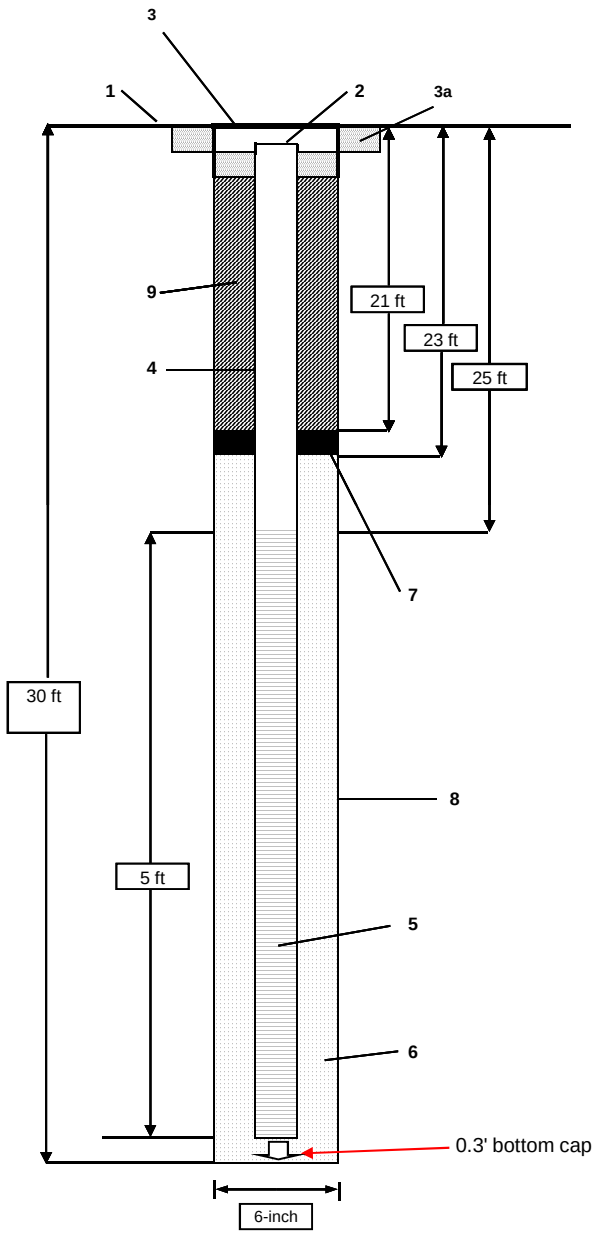
WELL COMPLETION DIAGRAM

PROJECT : OU4 EOS Injection — LOCATION : NTC Orlando OU4

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic Rotary — EASTING:

WATER LEVELS : START : END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8-inch Steel Manhole
a) drain tube?	
a) concrete pad dimensions	
4- Dia./type of well casing	2" 1.0 schedule 40 PVC flush thread
5- Type/slot size of screen	2" 1.0 x 5' x 0.010 Mill Slot schedule 40 PVC
6- Type screen filter	6-20 standard silica
a) quantities used	3 x 50lb bags Shur Plug
7- Type of seal	3/8-inch Bentonite Chips
a) quantities used	1/2 bag
8- Grout	
a) Grout mix used	Type I/II Gu Portland (1bag)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
327012.RA.21.06.02	OLD 13 DZ2OW1	SHEET 1 OF 1

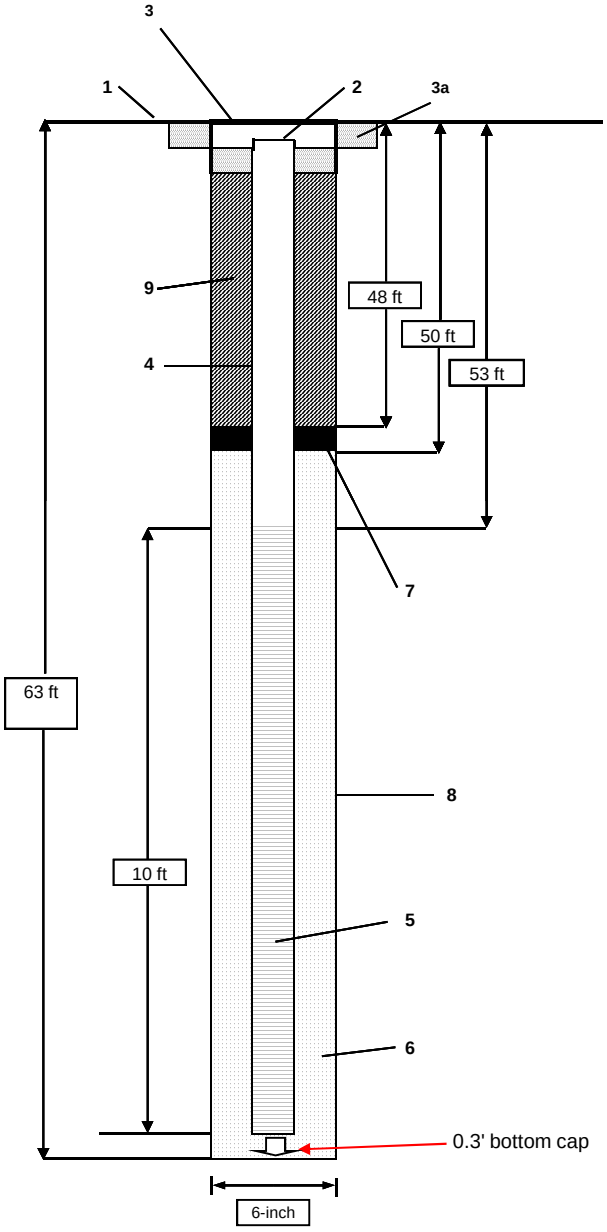
WELL COMPLETION DIAGRAM

PROJECT : OU4 EOS Injection — LOCATION : NTC Orlando OU4

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic Rotary — EASTING:

WATER LEVELS : START : 12/7/2006 END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8-inch Steel Manhole
a) drain tube?	
a) concrete pad dimensions	
4- Dia./type of well casing	2" 1.0 schedule 40 PVC flush thread
5- Type/slot size of screen	2" 1.0 x 10' x 0.010 Mill Slot sched. 40 PVC
6- Type screen filter	6-20 standard silica
a) quantities used	
7- Type of seal	3/8-inch Bentonite Chips
a) quantities used	
8- Grout	
a) Grout mix used	Type I/II Gu Portland (1bag)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
327012.RA.21.06.02	OLD 13 DZ2OW2	SHEET 1 OF 1

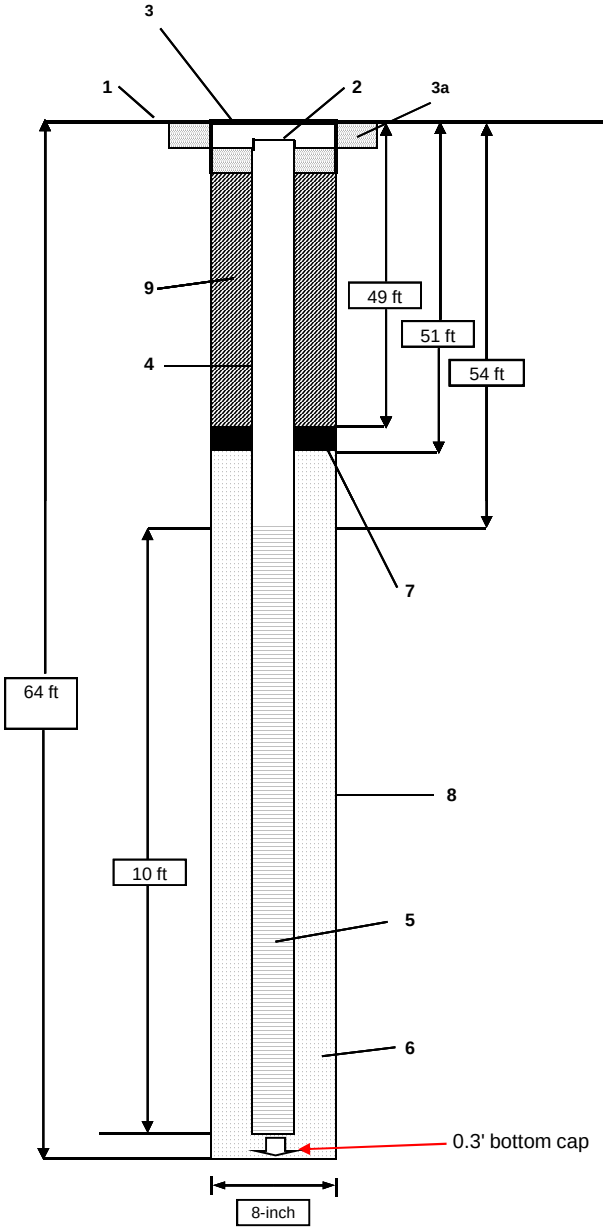
WELL COMPLETION DIAGRAM

PROJECT : OU4 EOS Injection — LOCATION : NTC Orlando OU4

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" x 6" Sonic Rotary — EASTING:

WATER LEVELS : START : END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8-inch Steel Manhole
a) drain tube?	
a) concrete pad dimensions	
4- Dia./type of well casing	2" 1.0 schedule 40 PVC flush thread
5- Type/slot size of screen	2" 1.0 x 10' x 0.010 Mill Slot sched. 40 PVC
6- Type screen filter	6-20 standard silica
a) quantities used	6 x 50 lb Bags
7- Type of seal	3/8-inch Bentonite Chips
a) quantities used	half bag
8- Grout	
a) Grout mix used	Type I/II Gu Portland (1bag)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
327012.RA.21.06.02	OLD 13 DZ2OW3	SHEET 1 OF 1

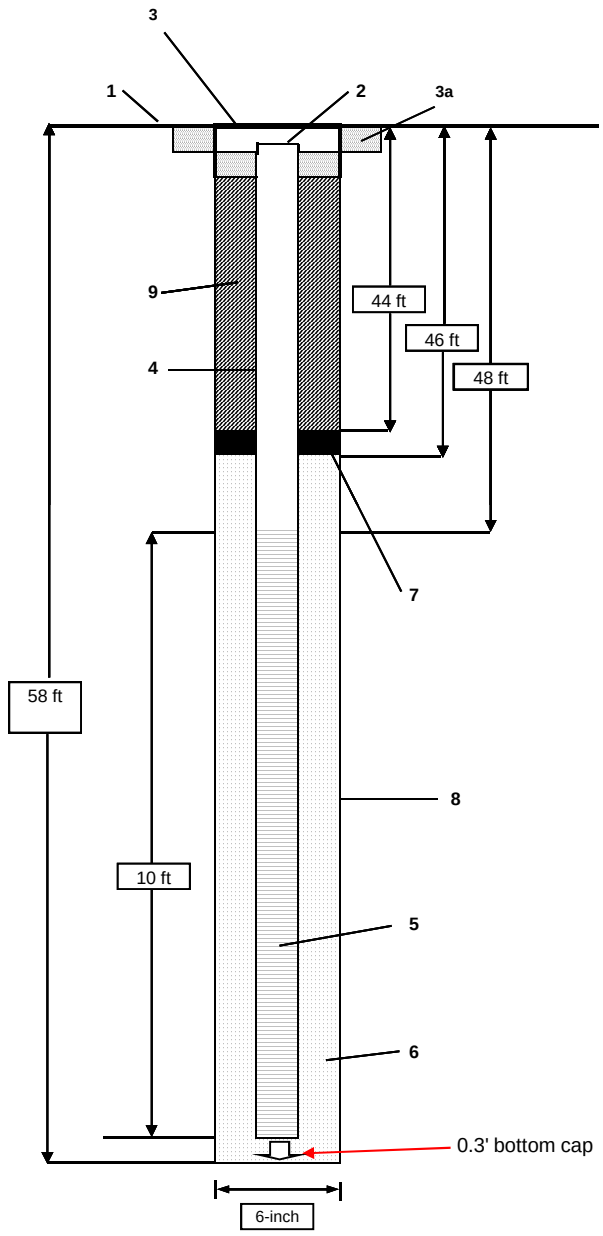
WELL COMPLETION DIAGRAM

PROJECT : OU4 EOS Injection — LOCATION : NTC Orlando OU4

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic Rotary — EASTING:

WATER LEVELS : START : 1/8/2007 END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8-inch Steel Manhole
a) drain tube?	
a) concrete pad dimensions	
4- Dia./type of well casing	2" 1.0 schedule 40 PVC flush thread
5- Type/slot size of screen	2" 1.0 x10' x 0.010 Mill Slot schedule 40 PVC
6- Type screen filter	6-20 standard silica
a) quantities used	
7- Type of seal	3/8-inch Bentonite Chips
a) quantities used	1/2 bag
8- Grout	
a) Grout mix used	Type I/II Gu Portland
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments

Note: Diagram not to scale.

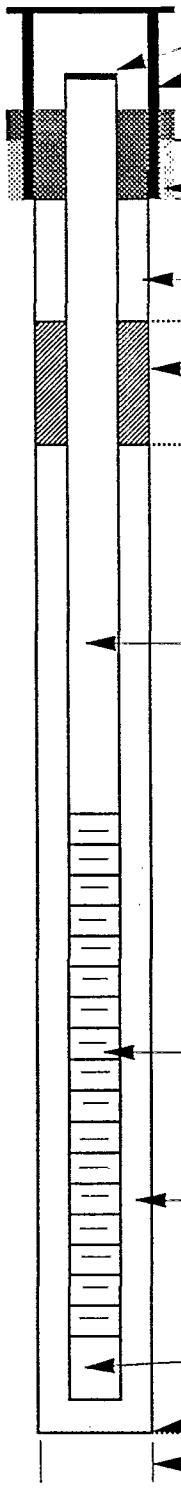
AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.		WELL NO.: OW-6
JOB NO.: T7027.12	SITE: OU-4, Orlando, FL	COORDINATES: 1536869.215N, 544695.369E	
BEGUN: 11/21/97	COMPLETED: 11/21/97	PREPARED BY: R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS: Top of PVC 108.07

GENERALIZED GEOLOGIC LOG

0 - 12.0 ft, Sand (SP)
Medium dark grey (N4), fine to med grained, loose, rounded, clear quartz grains, tr silt wet at 2.5 ft bls.



	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	2.8	108.07
4-in Protective Casing with Cover and Lock	0.5	105.77
2X2 ft Concrete pad	0.0	105.27
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	104.27
#00N Morie Sandbridge (1.0 - 2.0 ft bls)	2.0	103.27
3/8 in bentonite tablets (2.0 - 4.0 ft bls)	4.0	101.27
2-inch Sch. 40 PVC Riser Casing	6.3	98.97
2-inch Sch. 40 PVC 10 slot Slotted Screen (6.3-11.3 ft bls)	11.3	93.97
#1 Morie Filterpack (4.0-12.0 ft bls)	11.6	93.67
2 in Sch. 40 Sump (11.3-11.6 ft bls)	12.0	93.27
Bottom of Borehole (12.0 ft bls)		
Bore hole DIA: 8 inch		

Not to Scale

SBP Technologies, Inc.

AS-BUILT

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.		WELL NO.: OW-7
JOB NO.: T7027.12	SITE: OU-4, Orlando, FL	COORDINATES: 1536867.855N, 544699.410E	
BEGUN: 11/21/97	COMPLETED: 11/21/97	PREPARED BY: R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS: Top of PVC 107.83

GENERALIZED GEOLOGIC LOG

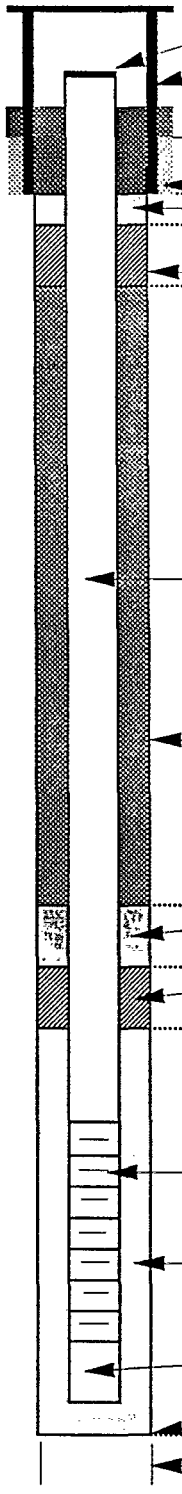
0 - 16.5 ft, Sand (SP)
Medium dark grey (N4), fine to med grained, loose, rounded, clear quartz grains, tr silt wet at 2.5 ft bls.

16.5 - 23.0 ft, Sand (SP)
Brownish black (5YR 2/1), fine to medium grained, rounded, clear, quart grains, tr. silt.

23.0 - 41.0 ft, Sand (SP)
Grayish brown (5YR 3/2) v fine to medium grained, loose, rounded, clear quartz grains, tr. silt.

Lightly cemented silt & sand 35-40 ft bls

41.0 - 45.0 ft, Sand (SW)
Dark yellowish brown (10YR 4/2), fine to coarse grained, sub-rounded, mostly clear quartz grains, trace opaque & dark grains trace silt.



	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	2.6	107.83
4-in Protective Casing with Cover and Lock	0.5	105.78
2X2 ft Concrete pad	0.0	105.28
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	104.28
#00N Morie Sandbridge (1.0 - 1.5 ft bls)	1.5	103.78
1/4 in bentonite tablets (1.5 - 2.5 ft bls)	2.5	102.78
2-inch Sch. 40 PVC Riser Casing		
Cement/Bentonite Grout (2.5-34.0 ft bls)		
	33.0	72.28
#00N Morie Sandbridge (34.0-35.0 ft bls)		
	34.0	71.28
1/4 in bentonite tablets (35.0-37.0 ft bls)		
	37.0	68.28
	39.5	65.78
2-inch Sch. 40 PVC 10 slot Slotted Screen (40.0-45.0 ft bls)		
#1 Morie Filterpack (37.0-45.3 ft bls)		
	44.5	60.78
2 in Sch. 40 Sump (45.0-45.3 ft bls)		
	44.8	60.48
Bottom of Borehole (45.3 ft bls)	45.0	60.28

Bore hole DIA: 8 inch

Not to Scale

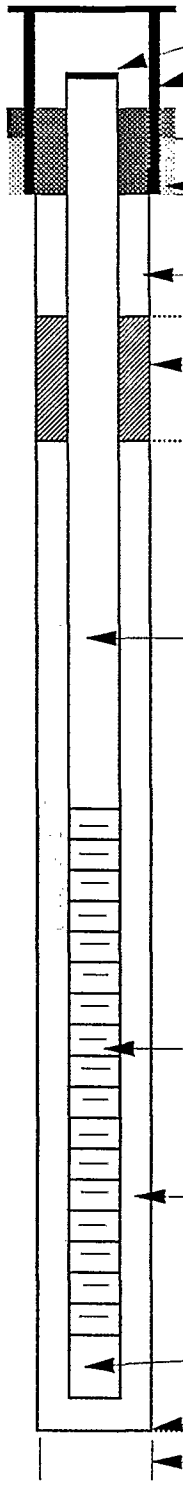
AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT Bechtel Naval Training Center Site.		WELL NO. OW-8
JOB NO. T7027.12	SITE OU-4, Orlando, FL	COORDINATES 1536849.945N, 544695.062E	
BEGUN 11/20/97	COMPLETED 11/20/97	PREPARED BY R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS Top of PVC 107.54

GENERALIZED GEOLOGIC LOG

<u>0 - 16.0 ft, Sand (SP)</u>
Medium dark grey (N4), fine to med grained, loose, rounded, clear quartz grains, tr silt wet at 2.5 ft bls.



	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	2.6	107.54
4-in Protective Casing with Cover and Lock	0.5	105.41
2X2 ft Concrete pad	0.0	104.91
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	104.28
#00N Morie Sandbridge (1.0 - 2.0 ft bls)	2.0	103.78
3/8 in bentonite tablets (2.0 - 4.0 ft bls)	4.0	102.78
2-inch Sch. 40 PVC Riser Casing	6.2	98.71
2-inch Sch. 40 PVC 10 slot Slotted Screen (6.2-11.2 ft bls)	11.2	60.78
#1 Morie Filterpack (4.0-12.0 ft bls)	11.5	60.48
2 in Sch. 40 Sump (11.2-11.5 ft bls)	12.0	60.28
Bottom of Borehole (12.0 ft bls)		

Bore hole DIA: 8 inch

Not to Scale

AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.	WELL NO.: OW-9

JOB NO.	SITE	COORDINATES
T7027.12	OU-4, Orlando, FL	1536849.624N, 544699.660E

BEGUN	COMPLETED	PREPARED BY	REFERENCE POINT FOR MEASUREMENTS
11/20/97	11/20/97	R.J. Desrosiers	Top of PVC 107.72

GENERALIZED GEOLOGIC LOG

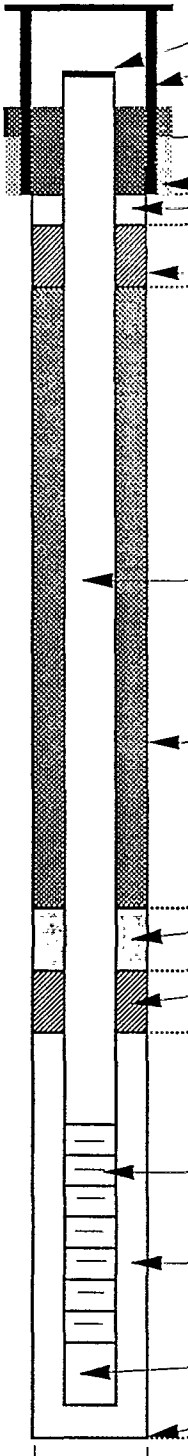
0-17 ft, Sand (SP)
Medium dark grey (N4), fine to medium grained, loose, rounded, clear quartz grains, tr silt wet at 2.5 ft bls.

17 - 22.5 ft, Sand (SP)
Dark yellowish brn (10YR 4/2) to dusky yellowish brn (10YR 2/2), fine grained, dense, slightly cemented, rounded, tr silt, clear quartz grains.

22.5-28.0 ft, Sand (SP)
Grayish brown (5YR 3/2) v fine to medium grained, loose, rounded, clear quartz grains, tr. silt.

28 - 45 ft, Sand (SW)
Moderate yellowish brown (10YR 5/4), f. to very coarse grained, loose, rounded, clear quartz grains, trace silt, slightly cemented with nodules.

Color change @ 42.0 ft bls to brnish gray



	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	0.6	107.72
4-in Protective Casing with Cover and Lock	0.5	105.59
2X2 ft Concrete pad	0.0	105.09
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	104.09
#00N Morie Sandbridge (1.0 - 1.5 ft bls)	1.5	103.59
1/4 in bentonite tablets (1.5 - 2.5 ft bls)	2.5	102.59
2-inch Sch. 40 PVC Riser Casing		
Cement/Bentonite Grout (2.5-34.5 ft bls)		
	34.5	70.59
#00N Morie Sandbridge (34.5-35.5 ft bls)	35.5	69.59
1/4 in bentonite tablets (35.5-37.5 ft bls)	37.5	67.59
	39.4	65.69
2-inch Sch. 40 PVC 10 slot Slotted Screen (39.4-44.4 ft bls)		
#1 Morie Filterpack (37.5-45.0 ft bls)	44.4	60.69
2 in Sch. 40 Sump (44.4-44.7 ft bls)	44.7	60.39
Bottom of Borehole (45.0 ft bls)	45.0	60.09

Bore hole DIA: 8 inch

Not to Scale

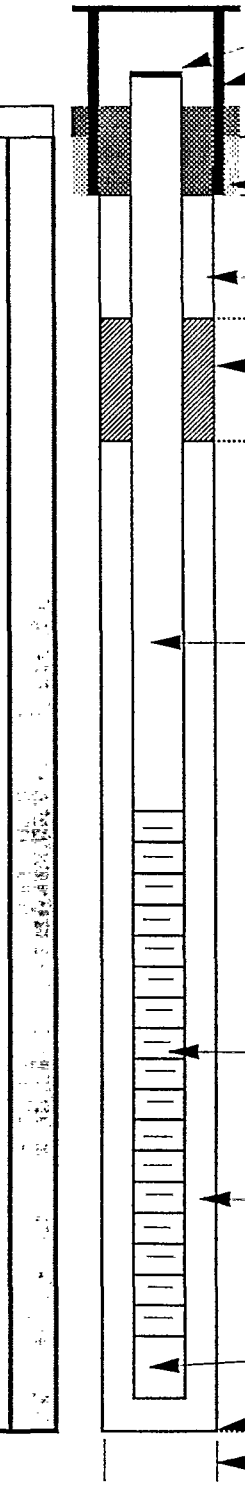
AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.		WELL NO.: OW-10
JOB NO.: T7027.12	SITE: OU-4, Orlando, FL		COORDINATES: 1536835.402N, 544693.616E
BEGUN: 11/20/97	COMPLETED: 11/20/97	PREPARED BY: R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS: Top of PVC 107.70

GENERALIZED GEOLOGIC LOG

0 - 13.0 ft, Sand (SP)
Medium dark grey (N4), fine to med grained, loose, rounded, clear quartz grains, tr silt wet at 2.5 ft bls.



	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	2.8	107.7
4-in Protective Casing with Cover and Lock	0.5	105.49
2X2 ft Concrete pad	0.0	104.99
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	103.99
#00N Morie Sandbridge (1.0 - 2.0 ft bls)	2.0	102.99
1/4 in bentonite tablets (2.0 - 4.0 ft bls)	4.0	100.99
2-inch Sch. 40 PVC Riser Casing	6.4	98.59
2-inch Sch. 40 PVC 10 slot Slotted Screen (6.2-11.2 ft bls)	11.4	93.59
#1 Morie Filterpack (4.0-12.0 ft bls)	11.7	93.29
2 in Sch. 40 Sump (11.2-11.5 ft bls)	13.0	91.99
Bottom of Borehole (12.0 ft bls)		
Bore hole DIA: 8 inch		

Not to Scale

AS-BUILT

SBP Technologies, Inc.

MONITORING WELL	PROJECT: Bechtel Naval Training Center Site.		WELL NO.: OW-11
JOB NO.: T7027.12	SITE: OU-4, Orlando, FL	COORDINATES: 1536833.757N, 544698.596E	
BEGUN: 11/20/97	COMPLETED: 11/20/97	PREPARED BY: R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS: Top of PVC 107.71

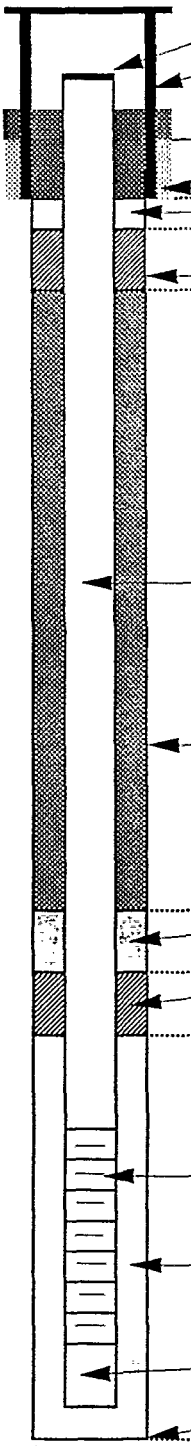
GENERALIZED GEOLOGIC LOG

0 - 16.0 ft, Sand (SP)
Medium dark grey (N4), fine to med grained, loose, rounded, clear quartz grains, tr silt wet at 2.5 ft bls.

16.0 - 21.0 ft, Sand (SP)
Dark yellowish brn (10YR 4/2) to dusky yellowish brn (10YR 2/2), fine grained, dense, slightly cemented, rounded, tr silt, clear quartz grains.

21.0 - 27.0 ft, Sand (SP)
Grayish brown (5YR 3/2) v fine to medium grained, loose, rounded, clear quartz grains, tr. silt.

27.0 - 45.3 ft, Sand (SW)
Moderate yellowish brown (10YR 5/4), fine to very coarse grained, loose, rounded, clear quartz grains, trace silt, slightly cemented with nodules.

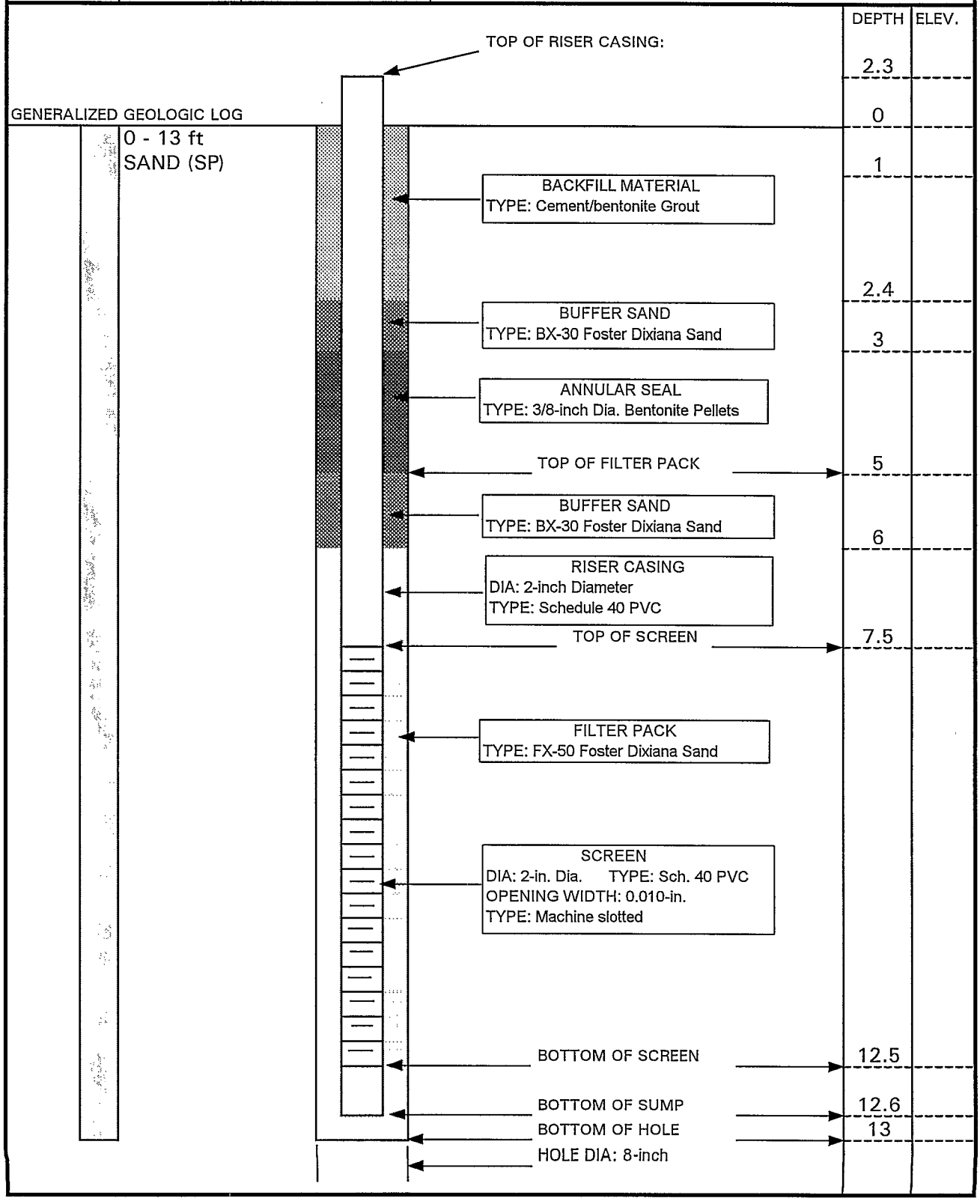


	DEPTH	ELEV.
2-in Sch. 40 PVC Riser with end plug	2.6	107.71
4-in Protective Casing with Cover and Lock	0.5	105.59
2X2 ft Concrete pad	0.0	105.09
Cement/bentonite Seal (0.0 - 1.0 ft bls)	1.0	104.09
#00N Morie Sandbridge (1.0 - 1.5 ft bls)	1.5	103.59
1/4 in bentonite tablets (1.5 - 2.5 ft bls)	2.5	102.59
2-inch Sch. 40 PVC Riser Casing		
Cement/Bentonite Grout (2.5-34.0 ft bls)	34.0	71.09
#00N Morie Sandbridge (34.0-35.0 ft bls)	35.0	70.9
1/4 in bentonite tablets (35.0-37.0 ft bls)	37.0	68.09
2-inch Sch. 40 PVC 10 slot Slotted Screen (40.0-45.0 ft bls)	40.0	65.09
#1 Morie Filterpack (37.0-45.3 ft bls)	45.0	60.09
2 in Sch. 40 Sump (45.0-45.3 ft bls)	45.3	59.79
Bottom of Borehole (45.3 ft bls)	45.3	59.79

Bore hole DIA: 8 inch

Not to Scale

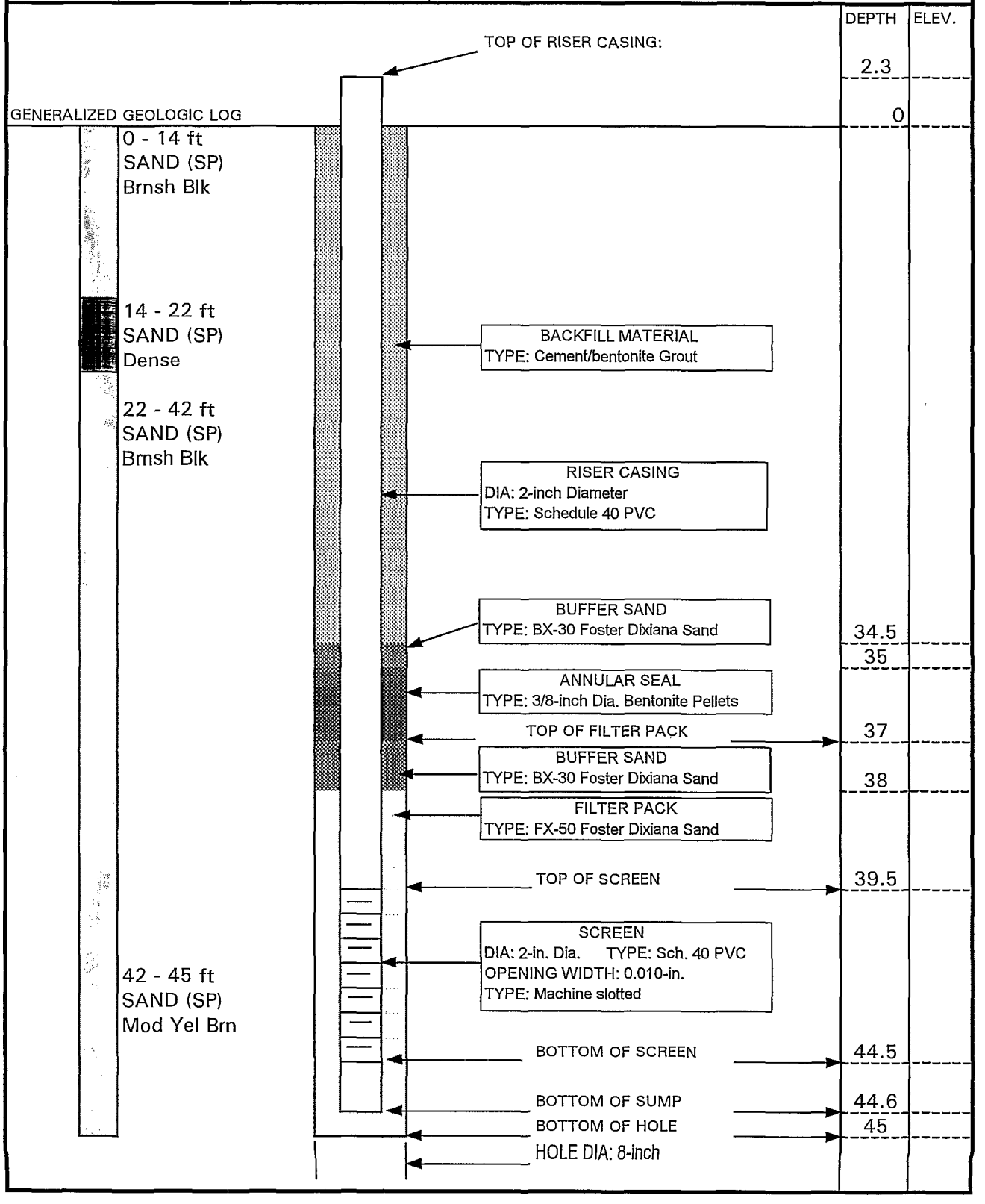
OBSERVATION WELL	PROJECT: Naval Training Center, OU-4, Orlando, FL	WELL NO.: OW-12
JOB NO.: 22567-304	SITE: OU-4	COORDINATES:
BEGUN: 5/6/98	COMPLETED: 5/6/98	PREPARED BY: M.A. Gage
REFERENCE POINT FOR MEASUREMENTS: Ground Surface		



OBSERVATION WELL	PROJECT Naval Training Center, OU-4, Orlando, FL	WELL NO. OW-13

JOB NO.	SITE	COORDINATES
22567-304	OU-4	

BEGUN	COMPLETED	PREPARED BY	REFERENCE POINT FOR MEASUREMENTS
5/6/98	5/6/98	M.A. Gage	Ground Surface



PROJECT NUMBER:	BORING ID:
161919	SOW-05 Sheet 1 of 1

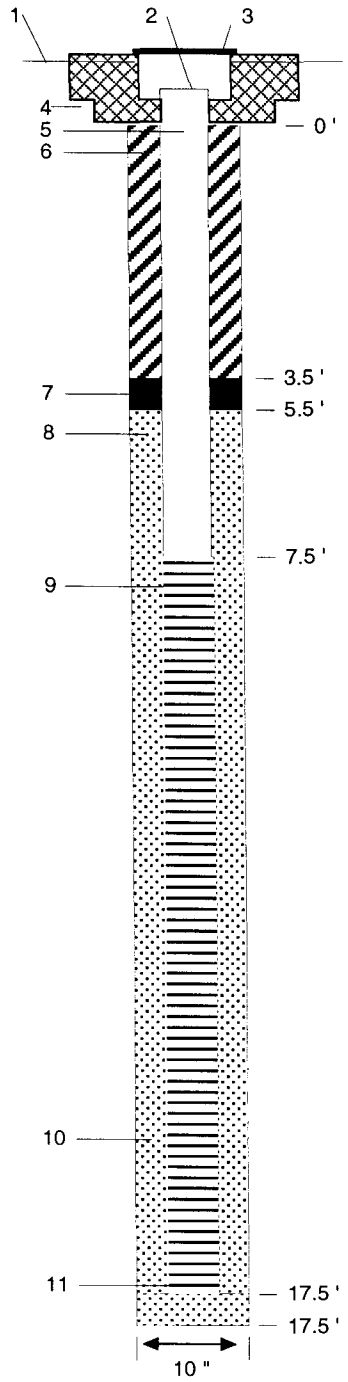
WELL COMPLETION DIAGRAM

PROJECT: NTC Orlando LOCATION: OU4

GROUND ELEVATION: 109 NORTHING: 1536895.45 EASTING: 544968.13 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/15/2002 END: 11/15/2002 LOGGER: Jennifer Ottoson



1- Ground elevation at well: 109.36 '

2- Top of casing elevation: 109.025 '

3- Wellhead protection cover type: Flush Mount
Concrete pad dimensions: 2' x 2' x 4"

4- Diameter of Surface Casing:
Surface casing type: NA

5- Diameter of Well Casing: 2 "
Well casing type: PVC

6- Grout:
a) Grout mix used: Grout/ Bentonite Mix

b) Method of placement: Pour
c) Qty. of surface casing grout: NA
d) Qty. of well casing grout: 2.25 Bags

7- Type of seal: 30/65 Fine Sand

a) Quantity used 2 Bags

8- Transition sand: 20/30 Sand
a) Quantity used:

9-Type/slot size of screen: PVC
0.01 "

10- Type of filter pack: 20/30 Sand

a) Quantity used: 9 Bags

11. PVC end cap: PVC

Centralizers:
a) Type:
b) Depths (feet, bgs):

Development:
a) Method:
b) Duration:
c) PurgeVolume:

Comments:

NOTE: NOT TO SCALE

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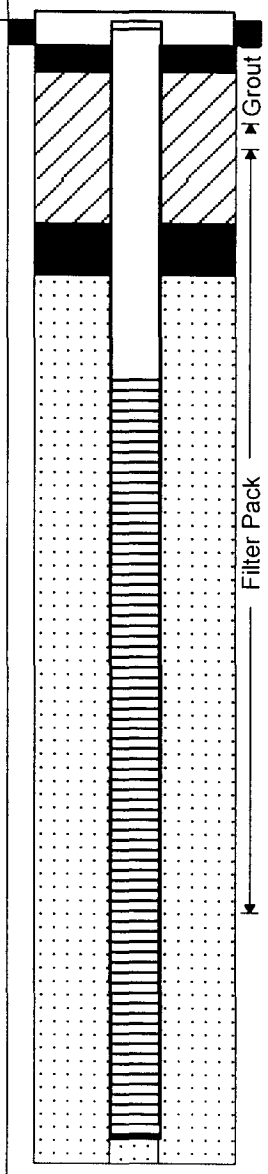
CH2MHILL

Well Number: OLD-13-SOW8

Client: Naval Facilities Engineering Command
Project: Naval Training Center, Orlando
Location: OU-4
Project Number: 161919

Driller: ATI Drilling
Drilling Method: 6 5/8" - HSA Strata Star Rig
Sampling Method: Split Spoon
Logged by: Craig Haas
Start/Finish Date:

Depth (ft)	Sample Info: Sample	Sample Info: SPT (6"-6"-6"-6	Soil Log	Soil Description	Elev - Depth	Well Diagram	Well Construction Notes
-1				Ground Surface	109 0		
4							**Wellhead Protection Cover:** 4" square steel protective riser Weep Hole: No Concrete Pad Dimensions: 2' x 2' x 4"
9	N/A	NA		**Refer to Boring Log for OLD-13-DOW15 for Lithology**			**Diameter/Type of Well Casing:** 2" PVC, flush thread **Type/Slot Size of Screen:** 2" PVC, flush thread/ 0.010" slot **Type Screen Filter:** 20/30 Silica Sand (15 bags)
14							**Type of Seal:** Fine Sand (1 bag)
19							**Grout:** Portland Cement (5% Betonite) Method of Placement: Bucket Pour Volume of Well Casing Grout: 3 bags **Development Method:** Pump/Surge
24							



PROJECT NUMBER:	BORING ID:
161919	SOW-10 Sheet 1 of 1

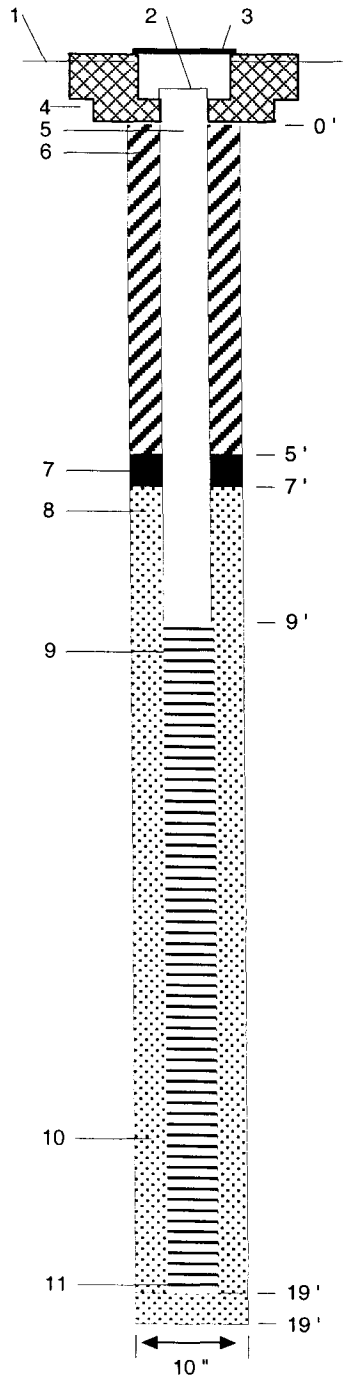
WELL COMPLETION DIAGRAM

PROJECT: NTC Orlando LOCATION: OU4

GROUND ELEVATION: 108 NORTHING: 1536898.36 EASTING: 544884.15 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/15/2002 END: 11/15/2002 LOGGER: Jennifer Ottoson



1- Ground elevation at well: 108.35 '

2- Top of casing elevation: 108.06 '

3- Wellhead protection cover type: Flush Mount
Concrete pad dimensions: 2' x 2' x 4"

4- Diameter of Surface Casing:
Surface casing type: NA

5- Diameter of Well Casing: 2 "
Well casing type: PVC

6- Grout:
a) Grout mix used: Grout/ Bentonite Mix

b) Method of placement: Pour
c) Qty. of surface casing grout: NA
d) Qty. of well casing grout: 2 Bags

7- Type of seal: 30/65 Fine Sand

a) Quantity used 2 Bags

8- Transition sand: 20/30 Sand
a) Quantity used:

9-Type/slot size of screen: PVC
0.01 "

10- Type of filter pack: 20/30 Sand

a) Quantity used: 9 Bags

11. PVC end cap: PVC

Centralizers:
a) Type:
b) Depths (feet, bgs):

Development:
a) Method:
b) Duration:
c) PurgeVolume:

Comments:

NOTE: NOT TO SCALE

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PROJECT NUMBER:	BORING ID:
161919	SOW-11 Sheet 1 of 1

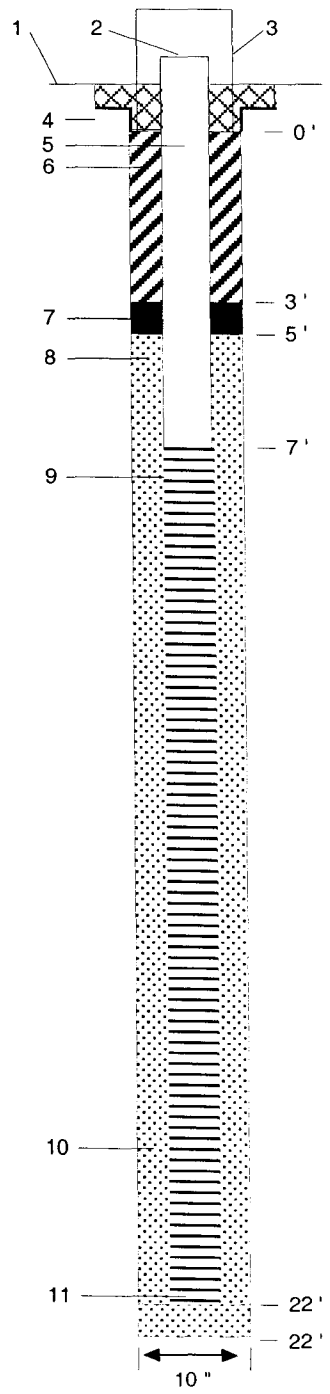
WELL COMPLETION DIAGRAM

PROJECT: NTC Orlando LOCATION: OU4

GROUND ELEVATION: 110 NORTHING: 1536838.05 EASTING: 544872.1 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES,

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/12/2002 END: 11/12/2002 LOGGER: Jennifer Ottoson



1- Ground elevation at well: 109.53 '

2- Top of casing elevation: 111.95 '

3- Wellhead protection cover type: NA
Concrete pad dimensions: 2' x 2' x 4"

4- Diameter of Surface Casing:
Surface casing type: NA

5- Diameter of Well Casing: 2 "
Well casing type: PVC

6- Grout:
a) Grout mix used: Grout/ Bentonite Mix

b) Method of placement: Pump
c) Qty. of surface casing grout: NA
d) Qty. of well casing grout:

7- Type of seal: 30/65 Fine Sand

a) Quantity used 2 Bags

8- Transition sand: 20/30 Sand
a) Quantity used:

9-Type/slot size of screen: PVC

10- Type of filter pack: 20/30 Sand

a) Quantity used: 10 Bags

11. PVC end cap: PVC

Centralizers:
a) Type:
b) Depths (feet, bgs):

Development:
a) Method:
b) Duration:
c) PurgeVolume:

Comments:

NOTE: NOT TO SCALE

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PROJECT NUMBER:	BORING ID:	
161919	SOW-12	Sheet 1 of 1

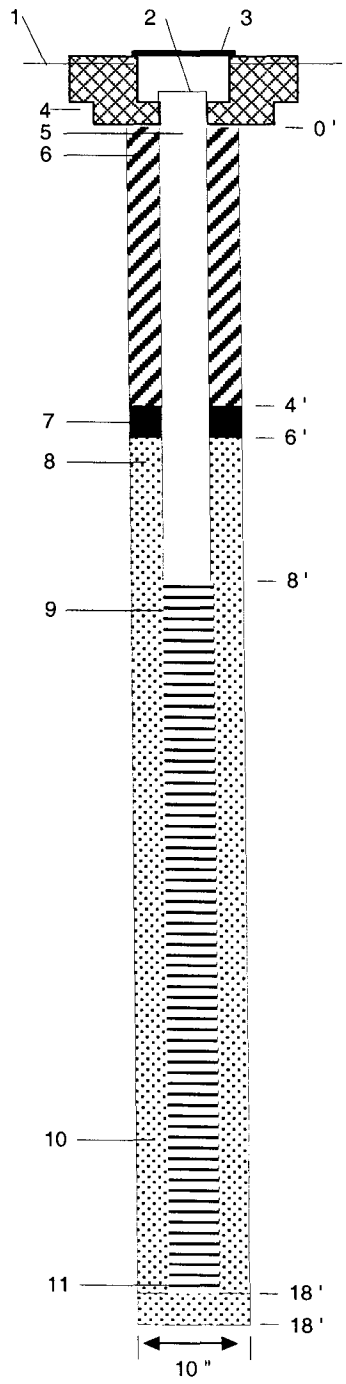
WELL COMPLETION DIAGRAM

PROJECT: NTC Orlando LOCATION: OU4

GROUND ELEVATION: 108 NORTHING: 1536881.45 EASTING: 544846.38 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/12/2002 END: 11/12/2002 LOGGER: Jennifer Ottoson



1- Ground elevation at well: 108.24 '

2- Top of casing elevation: 108.09 '

3- Wellhead protection cover type: Flush Mount
Concrete pad dimensions: 2' x 2' x 4"

4- Diameter of Surface Casing:
Surface casing type: NA

5- Diameter of Well Casing: 2 "
Well casing type: PVC

6- Grout:
a) Grout mix used: Grout/ Bentonite Mix

b) Method of placement: Tremie/Pour
c) Qty. of surface casing grout: NA
d) Qty. of well casing grout:

7- Type of seal: 30/65 Fine Sand

a) Quantity used 2 Bags

8- Transition sand: 20/30 Sand
a) Quantity used:

9-Type/slot size of screen: PVC
0.01 "

10- Type of filter pack: 20/30 Sand

a) Quantity used: 7 Bags

11. PVC end cap: PVC

Centralizers:
a) Type:
b) Depths (feet, bgs):

Development:
a) Method:
b) Duration:
c) PurgeVolume:

Comments:

NOTE: NOT TO SCALE

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PROJECT NUMBER:	BORING ID:
161919	SOW-13 Sheet 1 of 1

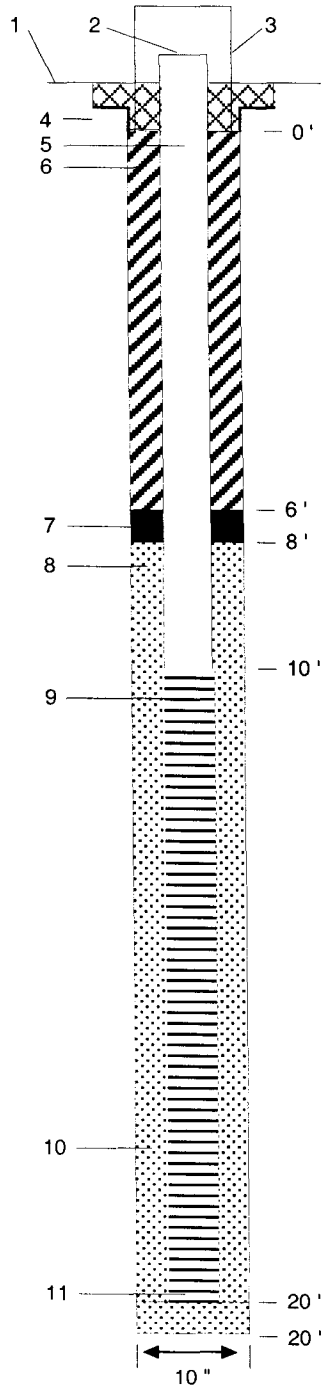
WELL COMPLETION DIAGRAM

PROJECT: NTC Orlando LOCATION: OU4

GROUND ELEVATION: 108 NORTHING: 1536824.97 EASTING: 544837.67 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES,

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/13/2002 END: 11/13/2002 LOGGER: Jennifer Ottoson



1- Ground elevation at well: 107.58 '

2- Top of casing elevation: 110.43 '

3- Wellhead protection cover type: NA
Concrete pad dimensions: 2' x 2' x 4"

4- Diameter of Surface Casing:
Surface casing type: NA

5- Diameter of Well Casing: 2 "
Well casing type: PVC

6- Grout:
a) Grout mix used: Grout/ Bentonite Mix

b) Method of placement: Tremie
c) Qty. of surface casing grout: NA
d) Qty. of well casing grout:

7- Type of seal: 30/65 Fine Sand

a) Quantity used 2 Bags

8- Transition sand: 20/30 Sand
a) Quantity used:

9-Type/slot size of screen: PVC

10- Type of filter pack: 20/30 Sand

a) Quantity used: 7 Bags

11. PVC end cap: PVC

Centralizers:
a) Type:
b) Depths (feet, bgs):

Development:
a) Method:
b) Duration:
c) PurgeVolume:

Comments:

NOTE: NOT TO SCALE

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PROJECT NUMBER:	BORING ID:
161919	SOW-14 Sheet 1 of 1

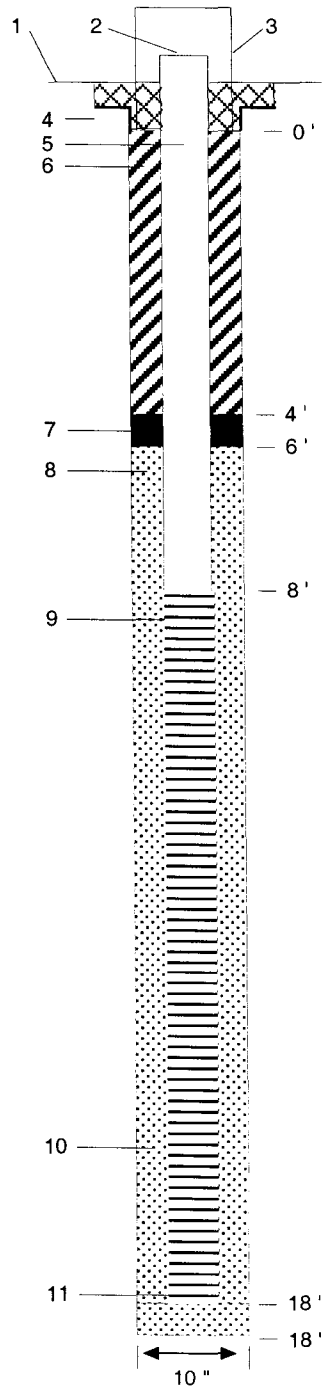
WELL COMPLETION DIAGRAM

PROJECT: NTC Orlando LOCATION: OU4

GROUND ELEVATION: 107 NORTHING: 1536841.75 EASTING: 544797.67 DRILLING CONTRACTOR: UNIVERSAL ENVIRONMENTAL SERVICES,

DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Auger 4 1/4" ID CME 75

WATER LEVELS: START: 11/13/2002 END: 11/13/2002 LOGGER: Jennifer Ottoson



1- Ground elevation at well: 107.24 '

2- Top of casing elevation: 109.37 '

3- Wellhead protection cover type: NA
Concrete pad dimensions: 2' x 2' x 4"

4- Diameter of Surface Casing:
Surface casing type: NA

5- Diameter of Well Casing: 2 "
Well casing type: PVC

6- Grout:
a) Grout mix used: Grout/ Bentonite Mix

b) Method of placement: Tremie
c) Qty. of surface casing grout: NA
d) Qty. of well casing grout: 2 Bags

7- Type of seal: 30/65 Fine Sand

a) Quantity used 2 Bags

8- Transition sand: 20/30 Sand
a) Quantity used:

9-Type/slot size of screen: PVC

10- Type of filter pack: 20/30 Sand

a) Quantity used: 7 Bags

11. PVC end cap: PVC

Centralizers:
a) Type:
b) Depths (feet, bgs):

Development:
a) Method:
b) Duration:
c) PurgeVolume:

Comments:

NOTE: NOT TO SCALE

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PROJECT NUMBER	WELL NUMBER	
327012.RA.21.06.02	OLD 13 SZAOW1	SHEET 1 OF 1

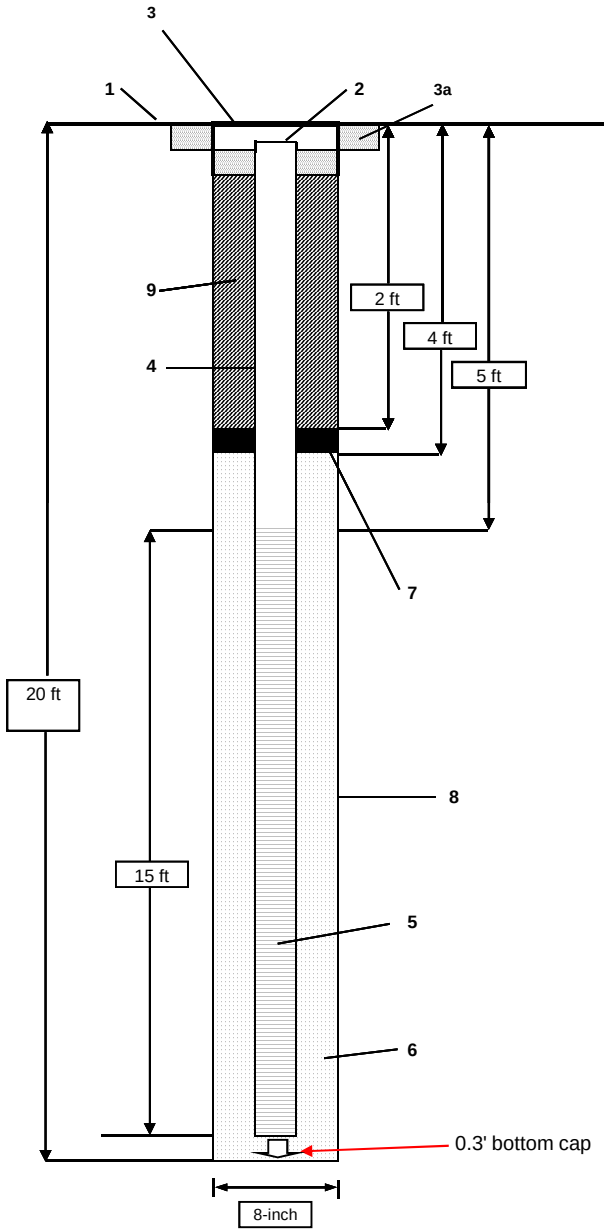
WELL COMPLETION DIAGRAM

PROJECT : OU4 EOS Injection — LOCATION : NTC Orlando OU4

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 7" x 8" Sonic Rotary — EASTING:

WATER LEVELS : START : 12/7/2006 END: 12/8/2006 LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	12"-inch Steel Manhole
a) drain tube?	
a) concrete pad dimensions	
4- Dia./type of well casing	2" 1.0 schedule 40 PVC flush thread
5- Type/slot size of screen	2" 1.0 x 15' x 0.010 Mill Slot schedule 40 PVC
6- Type screen filter	6-20 standard silica
a) quantities used	
7- Type of seal	3/8-inch Bentonite Chips
a) quantities used	
8- Grout	
a) Grout mix used	Type I/II Gu Portland
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments Note; Nested in the same Well Boring with DZ1-OW1

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
327012.RA.21.06.02	OLD 13 SZAOW2	SHEET 1 OF 1

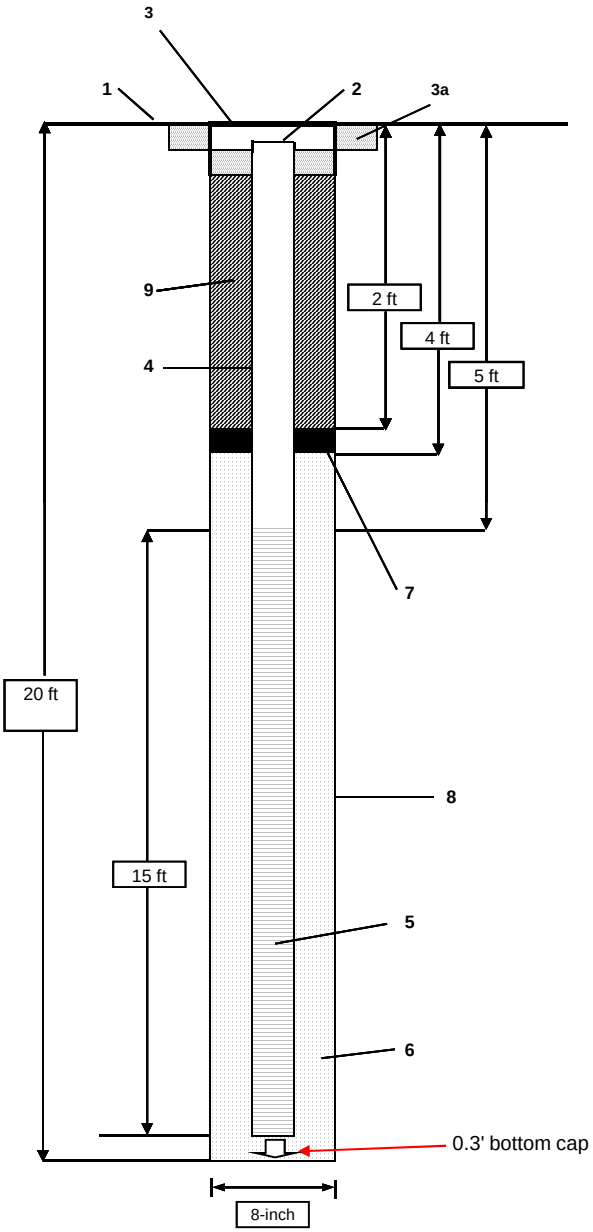
WELL COMPLETION DIAGRAM

PROJECT : OU4 EOS Injection — LOCATION : NTC Orlando OU4

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 7" x 8" Sonic Rotary — EASTING:

WATER LEVELS : START : END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	12"-inch Steel Manhole
a) drain tube?	
a) concrete pad dimensions	
4- Dia./type of well casing	2" 1.0 schedule 40 PVC flush thread
5- Type/slot size of screen	2" 1.0 x 15' x 0.010 Mill Slot schedule 40 PVC
6- Type screen filter	6-20 standard silica
a) quantities used	
7- Type of seal	3/8-inch Bentonite Chips
a) quantities used	
8- Grout	
a) Grout mix used	Type I/II Gu Portland (1bag)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments Note; Nested in the same boring with OLD13DZ1OW2

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
327012.RA.21.06.02	OLD 13 SZAOW3	SHEET 1 OF 1

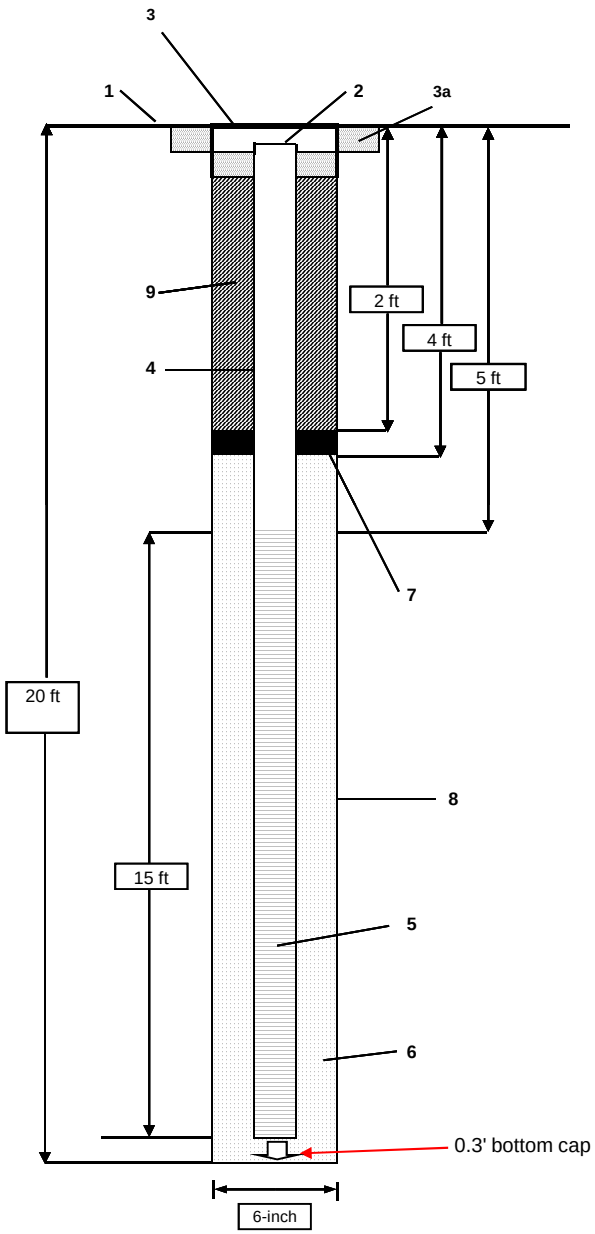
WELL COMPLETION DIAGRAM

PROJECT : OU4 EOS Injection — LOCATION : NTC Orlando OU4

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic Rotary — EASTING:

WATER LEVELS : START : END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8-inch Steel Manhole
a) drain tube?	
a) concrete pad dimensions	
4- Dia./type of well casing	2" 1.0 schedule 40 PVC flush thread
5- Type/slot size of screen	2" 1.0 x 15' x 0.010 Mill Slot schedule 40 PVC
6- Type screen filter	6-20 standard silica
a) quantities used	7 X 50lb Bags
7- Type of seal	3/8-inch Bentonite Chips
a) quantities used	
8- Grout	
a) Grout mix used	Type I/II Gu Portland (1bag)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
327012.RA.21.06.02	OLD 13 SZAOW4	SHEET 1 OF 1

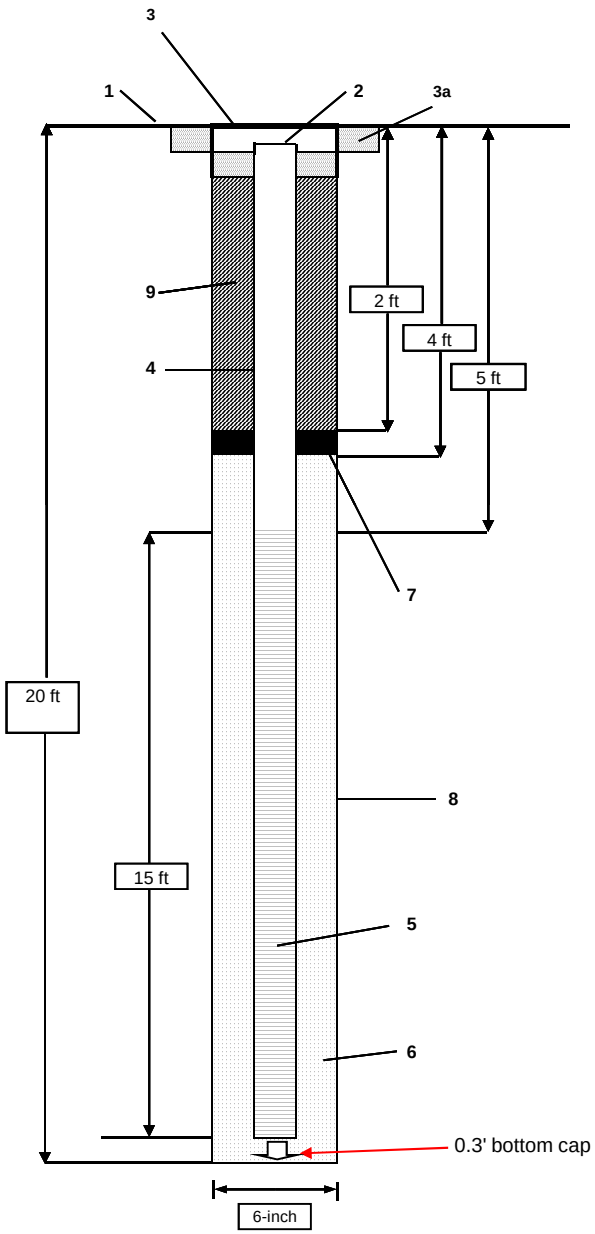
WELL COMPLETION DIAGRAM

PROJECT : OU4 EOS Injection — LOCATION : NTC Orlando OU4

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" x 6" Sonic Rotary — EASTING:

WATER LEVELS : START : END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8"-inch Steel Manhole
a) drain tube?	
a) concrete pad dimensions	
4- Dia./type of well casing	2" 1.0 schedule 40 PVC flush thread
5- Type/slot size of screen	2" 1.0 x 15' x 0.010 Mill Slot schedule 40 PVC
6- Type screen filter	6-20 standard silica
a) quantities used	
7- Type of seal	3/8-inch Bentonite Chips
a) quantities used	
8- Grout	
a) Grout mix used	Type I/II Gu Portland (1bag)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments Note;

Note: Diagram not to scale.

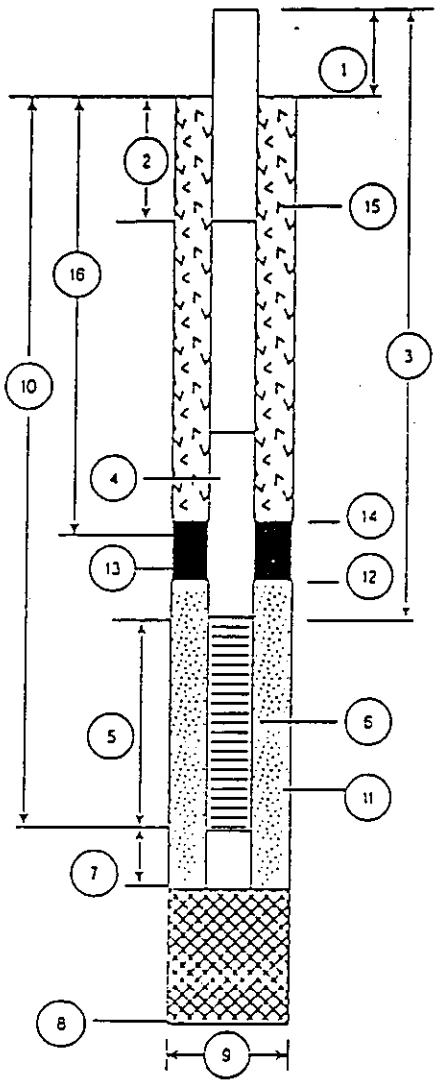
DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.

WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-14-C1

DATE OF INSTALLATION: 3/27/95



1. Height of Casing above ground: 0'
2. Depth to first Coupling: 3'
   Coupling Interval Depths: 10'
3. Total Length of Riser Pipe: 3'
4. Type of Riser Pipe: 2" DIA. PVC
5. Length of Screen: 10'
6. Type of Screen: 2" DIA. PVC, .010 SLOT
7. Length of Sump: 2"
8. Total Depth of Boring: 14'
9. Diameter of Boring: 6 1/4"
10. Depth to Bottom of Screen: 13'
11. Type of Screen Filter: SILICA SAND
    Quantity Used: 500 lbs Size: 20/30
12. Depth to Top of Filter: 2'
13. Type of Seal: BENTONITE
    Quantity Used: 15 lbs
14. Depth to Top of Seal: 1.5'
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% CEMENT
    Method of Placement: POURED
16. Tot. Depth of 8 in. Steel Casing: N/A

COMMENTS ON INSTALLATION

WCH-KC

WELL CONSTRUCTION DETAIL

PROJECT OPERATIONS PLAN

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

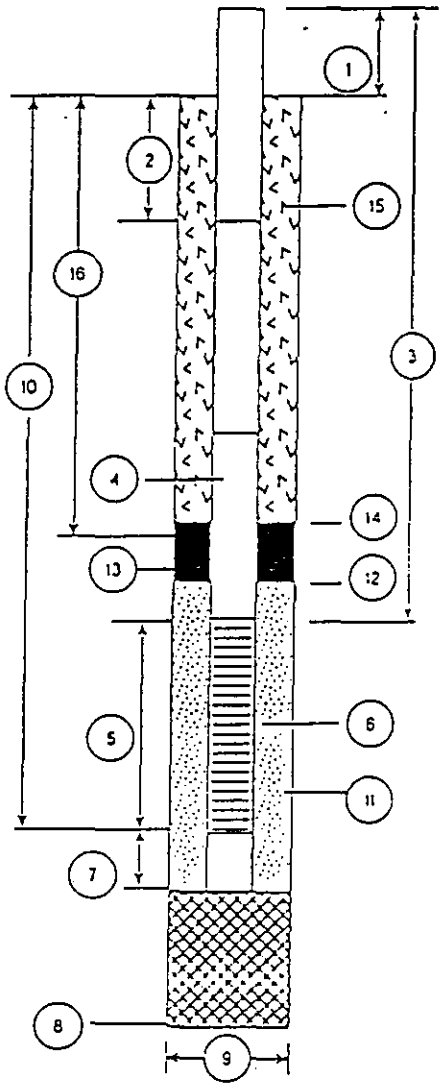
DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.

WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-19-02

DATE OF INSTALLATION: 3/27/95



1. Height of Casing above ground: 0'
2. Depth to first Coupling: 5'
   Coupling Interval Depths: 10'
3. Total Length of Riser Pipe: 5'
4. Type of Riser Pipe: 2" DIA. PVC
5. Length of Screen: 10'
6. Type of Screen: 2" DIA. PVC, .010 SLOT
7. Length of Sump: 2"
8. Total Depth of Boring: 10'
9. Diameter of Boring: 6 1/4"
10. Depth to Bottom of Screen: 15'
11. Type of Screen Filter: SILICA SAND
    Quantity Used: 30 lbs (550 lbs) Size: 20/30 30/65
12. Depth to Top of Filter: 2'
13. Type of Seal: BENTONITE
    Quantity Used: 10 lbs
14. Depth to Top of Seal: 1.5'
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% CEMENT
    Method of Placement: POURED
16. Tot. Depth of 8 in. Steel Casing: N/A

COMMENTS ON INSTALLATION

WELL CONSTRUCTION DETAIL

PROJECT OPERATIONS PLAN

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

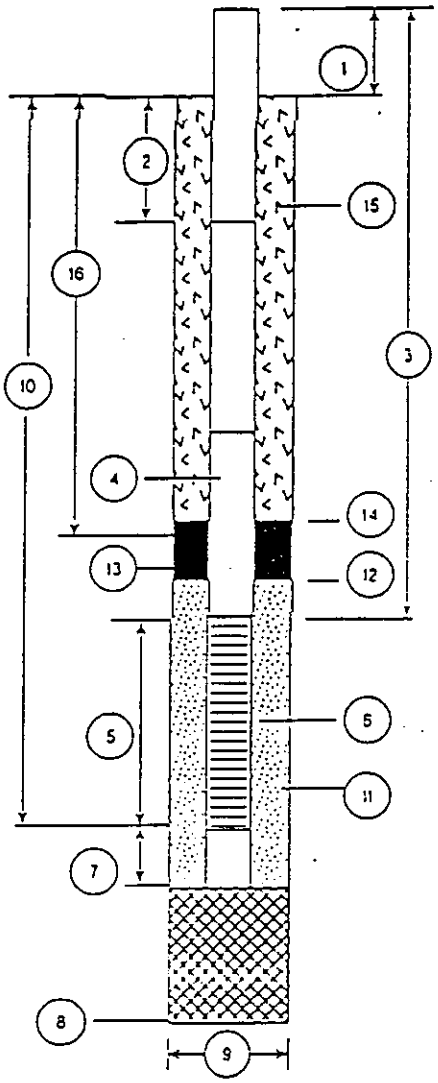
DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.

WELL CONSTRUCTION DETAIL

WELL NUMBER: OLD-14-03

DATE OF INSTALLATION: 2/28/95



1. Height of Casing above ground: 0'
2. Depth to first Coupling: 5'
   Coupling Interval Depths: 5'
3. Total Length of Riser Pipe: 5'
4. Type of Riser Pipe: 2" DIA PVC
5. Length of Screen: 10'
6. Type of Screen: 2" DIA PVC, .010 SLOT
7. Length of Sump: 2'
8. Total Depth of Boring: 16'
9. Diameter of Boring: 6 1/2"
10. Depth to Bottom of Screen: 15'
11. Type of Screen Filter: SILICA SAND
    Quantity Used: 50 lbs Size: 20/30 30/65
12. Depth to Top of Filter: 2'
13. Type of Seal: BENTONITE
    Quantity Used: 15 lbs
14. Depth to Top of Seal: 1.5'
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% CEMENT
    Method of Placement: POURED.
16. Tot. Depth of 6 in. Steel Casing: N/A.

COMMENTS ON INSTALLATION

WELL CONSTRUCTION DETAIL

PROJECT OPERATIONS PLAN

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

NTC_OH.POP
FGB.03.94

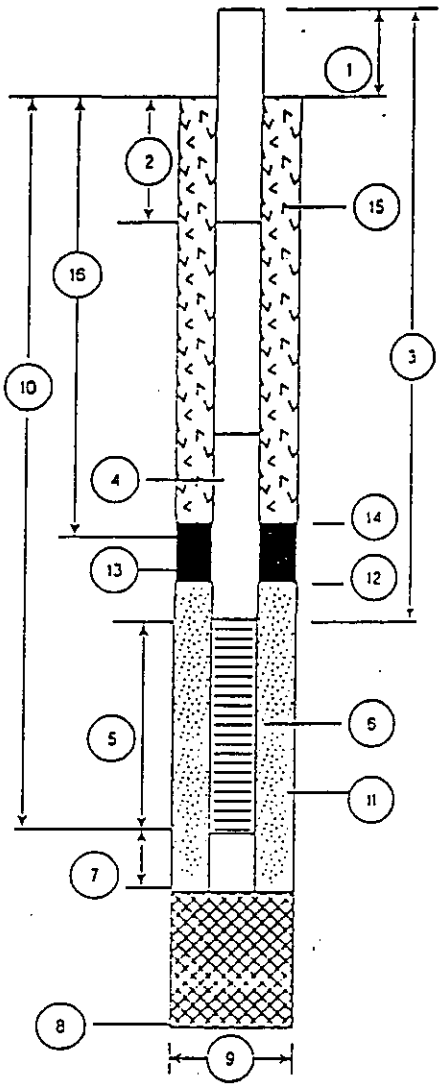
DEPARTMENT OF THE NAVY

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CHARLESTON, SC.

WELL CONSTRUCTION DETAIL

WELL NUMBER: OWD-14-04

DATE OF INSTALLATION: 3/27/95



1. Height of Casing above ground: 0.'
2. Depth to first Coupling: 5'
   Coupling Interval Depths: 10.'
3. Total Length of Riser Pipe: 5.'
4. Type of Riser Pipe: 2" DIA. PVC
5. Length of Screen: 10.'
6. Type of Screen: 2" DIA PVC, .010 SLOT
7. Length of Sump: 2"
8. Total Depth of Boring: 16.
9. Diameter of Boring: 6 1/4."
10. Depth to Bottom of Screen: 15.'
11. Type of Screen Filter: SILICA SAND
    Quantity Used: 400 lbs 10 lbs Size: 20/30 20/30
12. Depth to Top of Filter: 2.
13. Type of Seal: BENTONITE
    Quantity Used: 15 lbs
14. Depth to Top of Seal: 1.5'
15. Type of Grout: NEAT CEMENT
    Grout Mixture: 15% BENTONITE, 85% CEMENT
    Method of Placement: POURED
16. Tot. Depth of 6 in. Steel Casing: N/A

COMMENTS ON INSTALLATION

WELL CONSTRUCTION DETAIL

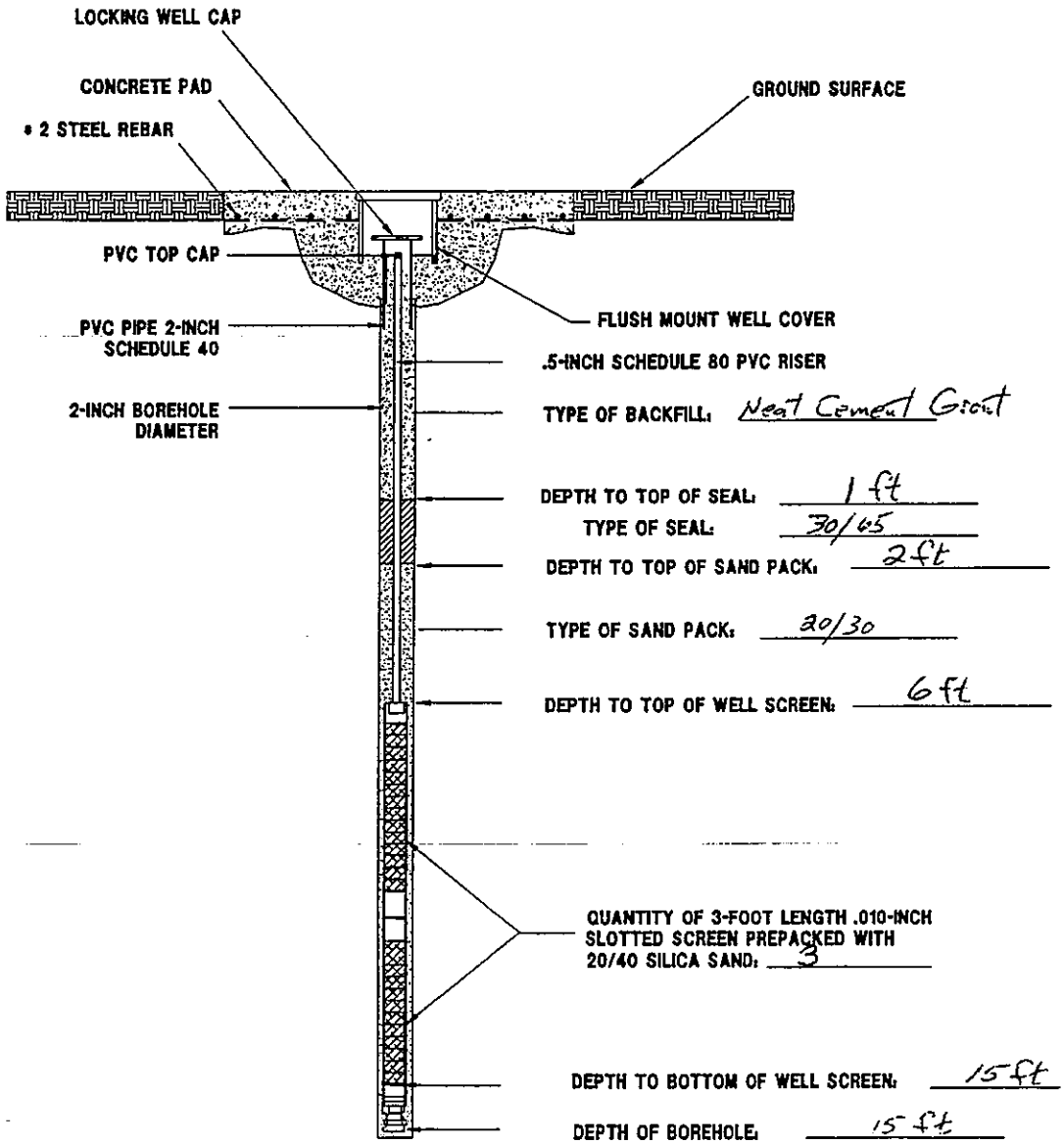
PROJECT OPERATIONS PLAN

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC Orlando RI
PROJECT NO: 2545.05
WELL ID: OLD-14-05A
FIELD PERSONNEL: J. Nash

SITE NAME: SA 14
DATE INSTALLED: 11/4/97
INSTALLATION METHOD: Terraprobe

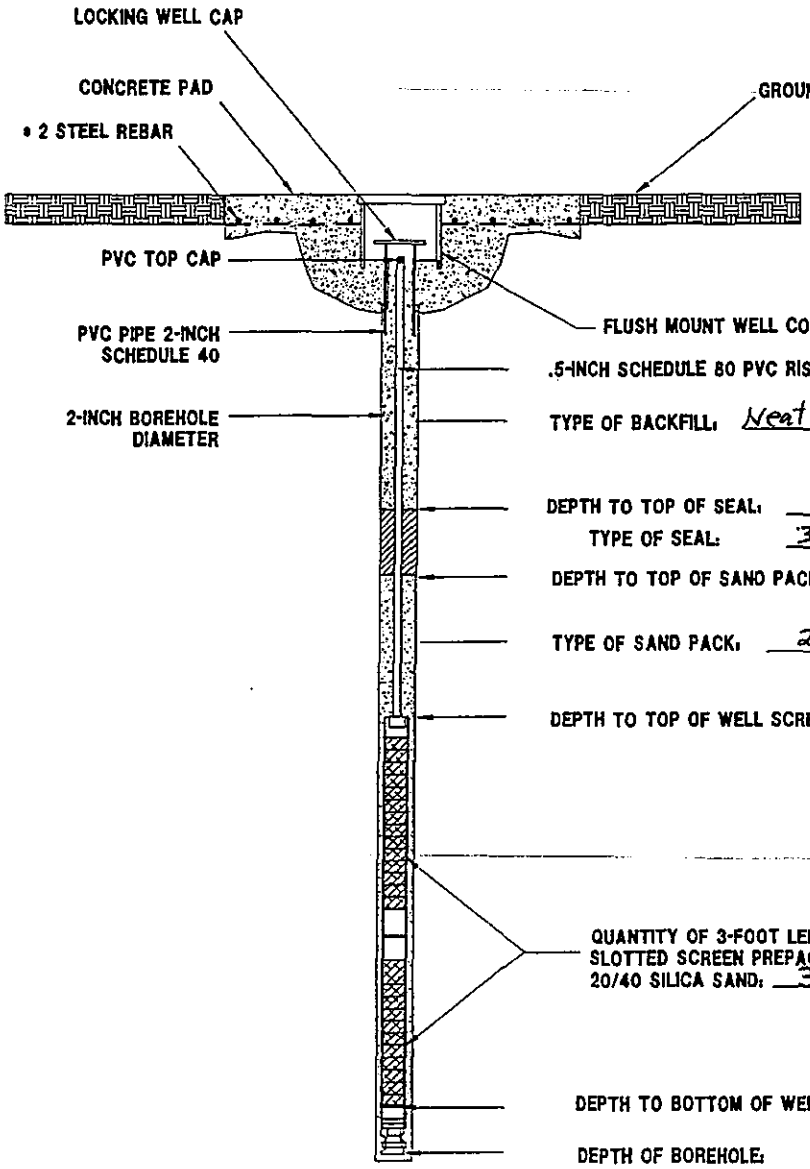


NOT TO SCALE

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC Orlando RI
PROJECT NO: 2545.05
WELL ID: OLD-14-06A
FIELD PERSONNEL: J. Nash

SITE NAME: SA 14
DATE INSTALLED: 11/4/97
INSTALLATION METHOD: Terraprobe



TYPE OF BACKFILL: Neat Cement Grout

DEPTH TO TOP OF SEAL: 1 ft

TYPE OF SEAL: 30/65

DEPTH TO TOP OF SAND PACK: 4 ft

TYPE OF SAND PACK: 20/30

DEPTH TO TOP OF WELL SCREEN: 6 ft

QUANTITY OF 3-FOOT LENGTH .010-INCH SLOTTED SCREEN PREPACKED WITH 20/40 SILICA SAND: 3

DEPTH TO BOTTOM OF WELL SCREEN: 15 ft

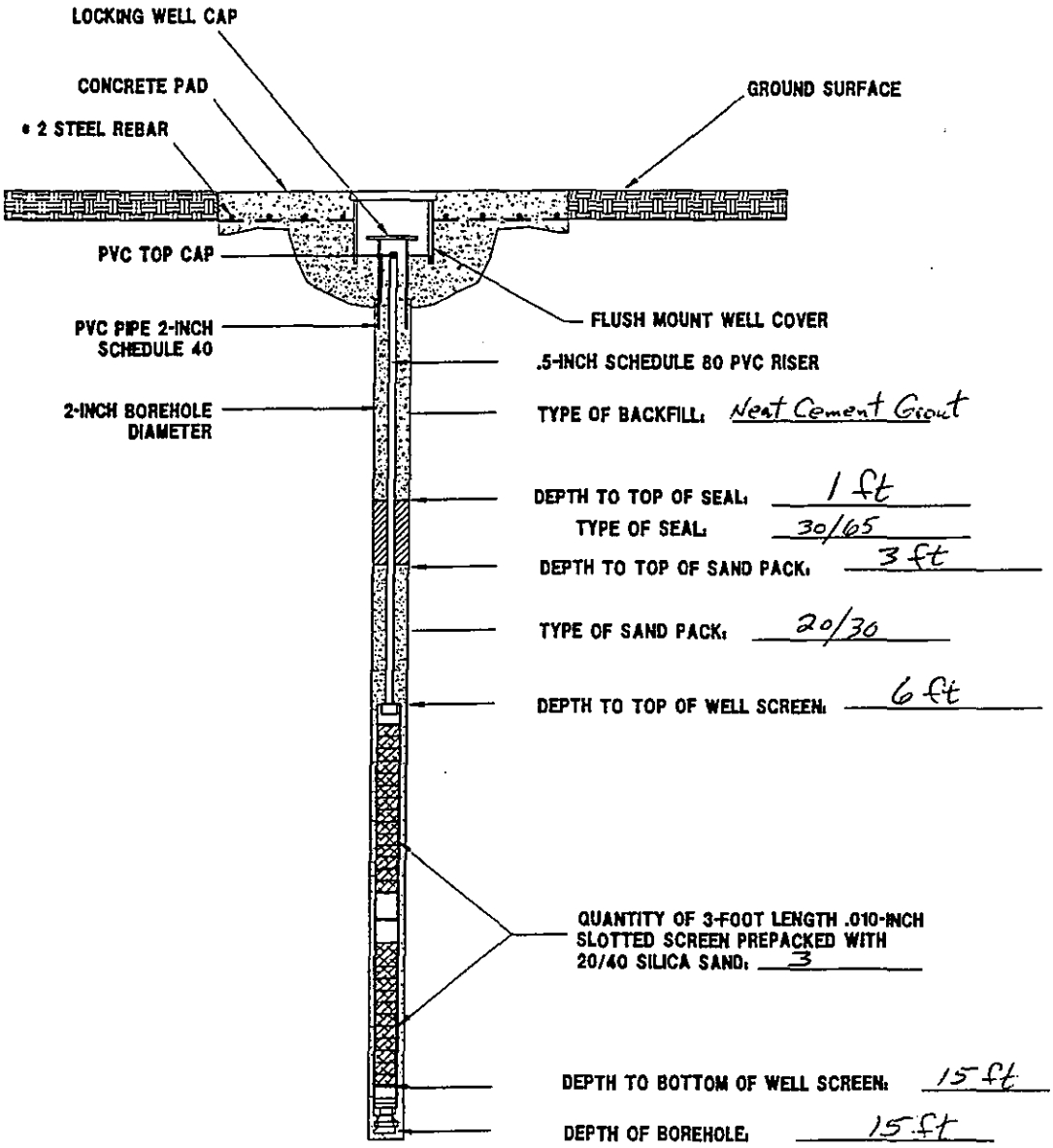
DEPTH OF BOREHOLE: 15 ft

NOT TO SCALE

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC Orlando RI
PROJECT NO: 2545.05
WELL ID: OLD-14-07A
FIELD PERSONNEL: J. Nash

SITE NAME: SA 14
DATE INSTALLED: 11/4/93
INSTALLATION METHOD: Terraprobe

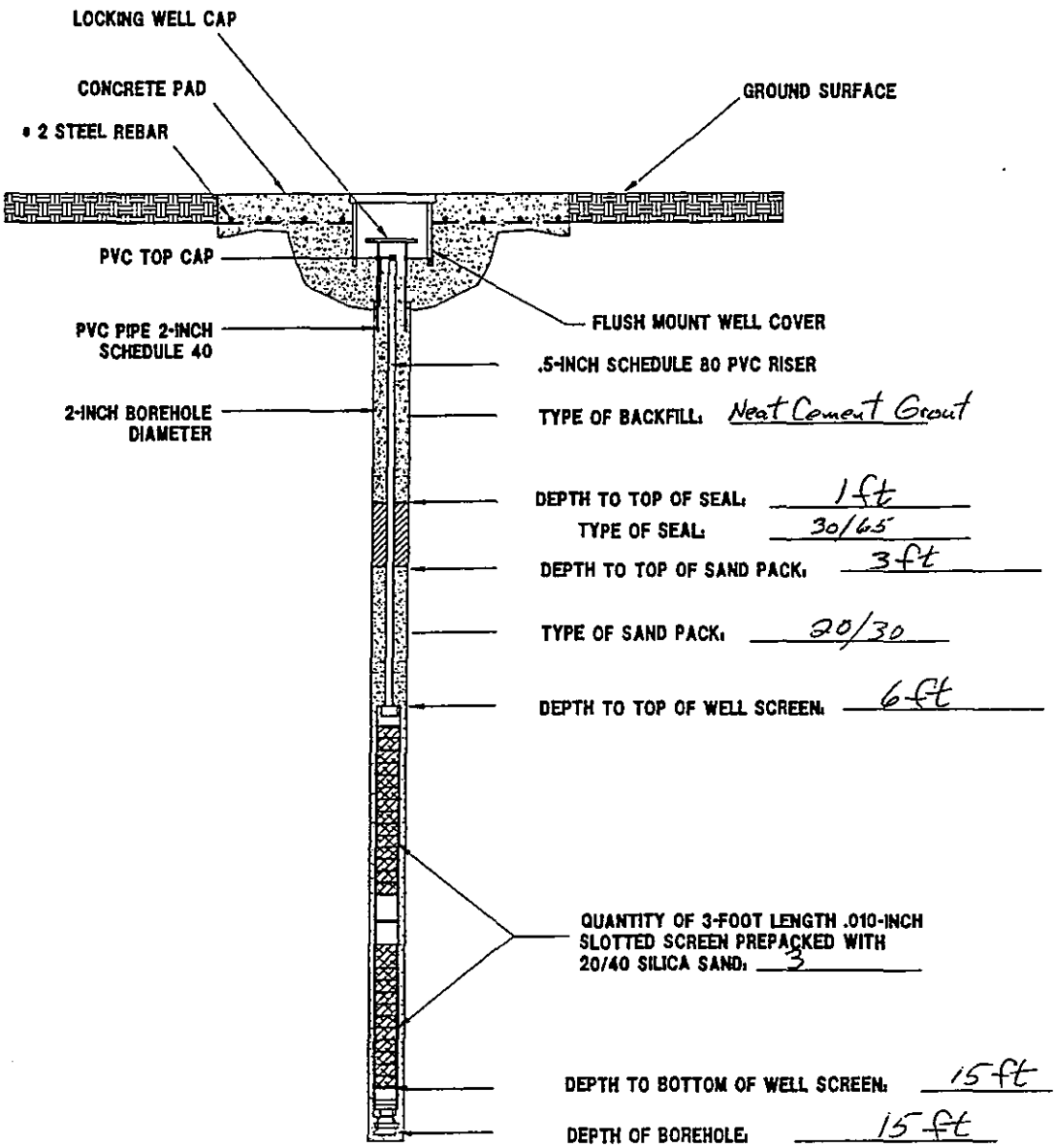


NOT TO SCALE

MICROWELL CONSTRUCTION DIAGRAM

PROJECT: NTC Orlando RI
PROJECT NO: 2545.05
WELL ID: OLD-14-08A
FIELD PERSONNEL: J. Nash

SITE NAME: SA 14
DATE INSTALLED: 11/4/97
INSTALLATION METHOD: Terraprobe

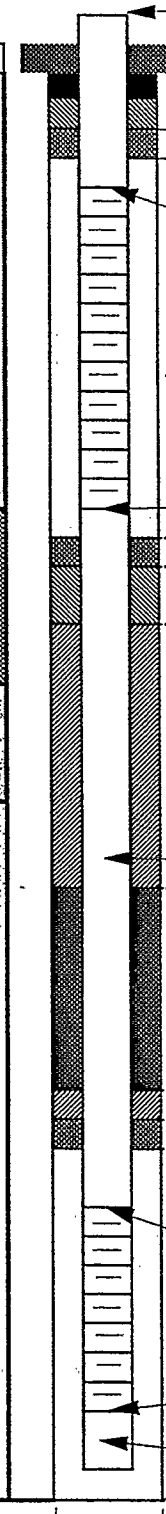


NOT TO SCALE

SBP Technologies, Inc.

AS-BUILT

RECIRCULATION WELL	PROJECT: Bechtel Naval Training Center Site.		WELL NO. UVB-01
JOB NO. T7027.12	SITE: OU-4, Orlando, FL	COORDINATES: 1536820.026N, 544693.085E	
BEGUN 11/18/97	COMPLETED 11/19/97	PREPARED BY R.J. Desrosiers	REFERENCE POINT FOR MEASUREMENTS: Ground Surface



GENERALIZED GEOLOGIC LOG		DEPTH	ELEV.
	Top pf 10-in Sch. 80 PVC Riser Casing	2.0	
	Concrete pad	0.5	
	Concrete Seal (0.0 - 1.0 ft bls)	1.0	
	1/4 in bentonite tablets (1.0 - 1.6 ft bls)	1.6	
	#00N Morie Sandbridge (1.6 - 2.2 ft bls)	2.2	
0-15 ft, Sand (SP) Med-dark gray (N4), Fine to Medium grained, Loose, rounded, tr silt, Clear quartz grains, Wet at 2.5 ft bls	Top of 10-in Johnson Irrigator Screen Sch. 80, 25 slot, Galvanized steel Screen interval: (3.1 - 14.71 ft bls)	3.1	
	#1 Morie Filterpack (2.2 - 16.0 ft bls)		
	Bottom of 10-in Irrigator Screen	14.7	
15 - 21 ft, Sand (SP) Dk ylw brn (10yr 4/2) to dusky ylw brn (10YR 2/2), f grained, cemented nodules, rounded, tr silt, dense, clear quartz grains, slightly cemented.		16.0	
	#00N Morie Sandbridge (16.0-16.7 ft bls)	16.7	
	1/4 in bentonite tablets (16.7 -19.0 ft bls)	19.0	
21 - 25 ft, Sand (SP) grayish brn (5YR 3/2), f - m grained, loose, rounded, tr silt, clear quartz grains	3/8 in bentonite tablets (19.0 -28.0 ft bls)		
	10 inch Sch. 80 PVC Riser Casing	28.0	
	Shur-Grout Seal (28.0 - 34.7)		
24 - 49 ft, Sand (SW) Moderate yellowish brown (10YR 5/4), Fine to Very Coarse Grained, Loose, tr silt & dark grains with slightly cemented nodules, rounded, clear quartz grains		34.7	
	3/8 in bentonite tablets (34.7 -36.2 ft bls)	36.2	
	#00N Morie Sandbridge (36.3-37.2 ft bls)	37.2	
	Top of 10-in Johnson Irrigator Screen Sch. 80, 25 slot, Galvanized steel Screen interval: (39.2 - 45.7 ft bls)	39.2	
	#1 Morie Filterpack (37.2 - 49.0 ft bls)		
Borehole Completion Begun: 11/12/97 Completed: 11/17/97	Bottom of 10-in Irrigator Screen	45.7	
	10 inSch.80 Galv. Sump(45.7- 48.3 ft bls)	48.3	
	Bottom of Borehole (49.0 ft bls)	49.0	
	Bore hole DIA: 16 inch		

Not to Scale

SBP Technologies, Inc.

AS-BUILT

RECIRCULATION WELL	PROJECT: Bechtel Naval Training Center Site.	WELL NO. UVB-02

JOB NO.	SITE	COORDINATES
T7027.12	OU-4, Orlando, FL	1536745.865N, 544685.622E

BEGUN	COMPLETED	PREPARED BY	REFERENCE POINT FOR MEASUREMENTS
11/20/97	11/24/97	R.J. Desrosiers	Ground Surface

GENERALIZED GEOLOGIC LOG

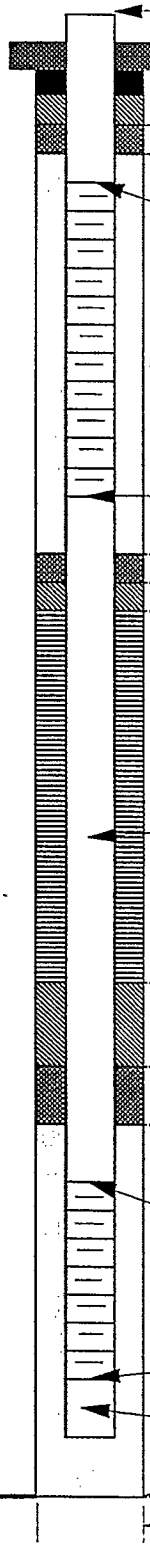
0-14 ft, Sand (SP)
Med-dark gray (N4), Fine to Medium grained, Loose, rounded, tr silt, Clear quartz grains, Wet at 3.0 ft bls

14 - 20 ft, Sand (SP)
Dk ylw brn (10yr 4/2) to dusky ylw brn (10YR 2/2), f grained, cemented nodules, rounded, tr silt, dense, clear quartz grains, slightly cemented.

20 - 29 ft, Sand (SP)
grayish brn (5YR 3/2), vf - med grained, loose, rounded, tr silt clear quartz grains

29 - 51 ft, Sand (SW)
Moderate yellowish brown (10YR 5/4), Fine to Very Coarse Grained, Loose, tr silt & dark grains with slightly cemented nodules, rounded, clear quartz grains

Borehole Completion
Begun: 11/20/97
Completed: 11/24/97



	DEPTH	ELEV.
Top pf 10-in Sch. 80 PVC Riser Casing	0.9	
Concrete pad	0.5	
Concrete Seal (0.0 - 1.0 ft bls)	1.0	
1/2 in bentonite tablets (1.0 - 1.5 ft bls)	1.5	
#00N Morie Sandbridge (1.5 - 2.0 ft bls)	2.0	
Top of 10-in Johnson Irrigator Screen Sch. 80, 25 slot, Galvanized steel Screen interval: (3.3 - 15.0 ft bls)	3.3	
#1 Morie Filterpack (2.0 - 17.0 ft bls)		
Bottom of 10-in Irrigator Screen	15.0	
	17.0	
#00N Morie Sandbridge (17.0-18.1 ft bls)	18.1	
1/2 in bentonite tablets (18.1 -19.3 ft bls)	19.3	
Med bentonite chips (19.3 - 32.0 ft bls)		
10 inch Sch. 80 PVC Riser Casing		
	32.0	
1/2 in bentonite tablets (32.0 -35.2 ft bls)		
	35.2	
#00N Morie Sandbridge (35.2-36.7 ft bls)		
	36.7	
	39.5	
Top of 10-in Johnson Irrigator Screen Sch. 80, 25 slot, Galvanized steel Screen interval: (39.5 - 46.4 ft bls)		
#1 Morie Filterpack (36.7 - 51.0 ft bls)		
Bottom of 10-in Irrigator Screen	46.4	
10 in Sch.80 Galv. Sump(46.4- 48.6ft bls)	48.6	
Bottom of Borehole (51.0 ft bls)	51.0	

Bore hole DIA: 16 inch

Not to Scale

Survey Information

TABLE 2
Water Level and Survey Data for Deep Hawthorn Wells - November 2004
Operable Unit 4, Naval Training Center, Orlando, FL

Monitoring Well ID	Northing (ft)	Easting (ft)	Top of PVC Casing	Top of Steel Prot. Casing	Ground Surface	Depth to Water (ft)	Water Table Elevation (ft)
OLD-13-58D	1536825.03	544921.78	112.67	112.91	110.21	12.71	99.96
OLD-13-59D	1536889.82	545085.34	110.33	110.56	110.50	15.80	94.53
OLD-13-60D	1536826.90	545011.73	113.67	113.81	111.05	13.69	99.98
OLD-13-61D	1536746.74	544950.59	113.47	113.62	110.87	13.30	100.17
OLD-13-62D	1536749.35	545040.28	113.63	113.85	111.05	13.51	100.12
OLD-13-63D	1536801.39	544822.60	107.49	107.91	107.90	7.60	99.89
OLD-13-64D	1536813.62	544679.19	103.75	104.03	104.10	2.88	100.87

Note:

Horizontal Datum is NAD (North American Datum) 83 SPC Fl. E. U.S. Survey feet.

Vertical Datum is NGVD (National Geodetic Vertical Datum) 1929 in feet.

Water levels measured during sampling event on 10/26/04.

bls below land surface
ft feet

ORLANDO NAVAL TRAINING CENTER
SITE OU-4
MONITORING WELLS

Project No. 327012.OM.26.09.03
Field Surveys August 15, 2006

Note: Horizontal Datum is NAD (North American Datum) 83 SPC Fl. E. US Survey Ft.

Vertical Datum is NGVD (National Geodetic Vertical Datum) 1929.

			--------**Elevation**---------		
Description	**North Coord.**	**East Coord.**	**TOC**	**Conc.**	**Ground**
					(*)Svy. Pt.
Survey Control Points:					
7 (PK & Washer)	1536901.035	545162.333	------	------	(*)110.69
21 (PK & Washer)	1536774.363	545140.423	------	------	(*)111.22
Monitor Wells:					
8020 (Well 66D)	1536840.42	545010.28	114.175	111.14	111.1
8041 (Well 67D)	1536859.93	545187.45	114.45	111.17	111.1
8070 (Well 68D)	1536922.85	545132.91	113.485	110.23	110.1
8030 (Well 69D)	1536939.30	545020.84	111.615	108.39	108.1
8060 (Well 70D)	1536936.57	544940.70	111.85	108.87	108.5

Horizontal survey data (above) for well 67D erroneous, GPS data (below) substituted

8041 (Well 67D)	1536689.326	545093.905
- (Boring SB01)	1536712.751	544930.971

ORLANDO NAVAL TRAINING CENTER
SITE OU-4
MONITOR WELL AND VADOSE SOIL BORINGS

Project No. 327012.OM.26.09.03
Field Surveys September 18,2006

Note: Horizontal Datum is NAD (North American Datum) 83 SPC Fl. E. US Survey Ft.
Vertical Datum is NGVD (National Geodetic Vertical Datum) 1929.

Description	**North Coord.**	**East Coord.**	**-------Elevation------ TOC**	**Ground (*)Svy. Pt. (**)F/M Rim**
Survey Control Points:				
7 (PK & Washer)	1536901.035	545162.333	------	**(*)**110.69
21 (PK & Washer)	1536774.363	545140.423	------	**(*)**111.22
Monitor Well:				
8050 **Well 65D)**	1536832.53	545163.12	111.114	**(**)**111.21
Soil Borings:				
2001 **(SB-001)**	1536835.43	544929.12	------	110.6
2002 **(SB-002)**	1536836.18	544982.96	------	111.1
2003 **(SB-003)**	1536839.71	545032.67	------	110.8
2004 **(SB-004)**	1536808.05	544959.06	------	110.7
2005 **(SB-005)**	1536810.73	545007.90	------	110.9
2006 **(SB-006)**	1536781.69	544933.46	------	110.3
2007 **(SB-007)**	1536784.06	544983.35	------	111.0
2008 **(SB-008)**	1536786.98	545035.25	------	110.7

ORLANDO NAVAL TRAINING CENTER
SITE OU-4
MONITORING WELLS

Project No. 112G01606 / 05.270
Field Surveys April 17, 2009

Note: Horizontal Datum is NAD (North American Datum) 83 SPC Fl. E. US Survey Ft. (As provide by Client)

Vertical Datum is NGVD (National Geodetic Vertical Datum) 1929. As provide by Client)

			--------**Elevation**---------		
Description	**North Coord.**	**East Coord.**	**TOC**	**Conc.**	**Ground**
					(*)Svy. Pt.
Survey Control Points: (By others)					
7 (PK & Washer)	1536901.035	545162.333	------	------	(*)110.69
21 (PK & Washer)	1536774.363	545140.423	------	------	(*)111.22
Monitor Wells: (By Tetra Tech, Inc. (IER)					
105 (OLD 13-81D)	1537130.17	545022.07	106.72	107.14	107.10
106 (OLD 13-82D)	1537130.01	545022.13	106.70	107.14	107.10

ORLANDO NAVAL TRAINING CENTER
SITE OU-4
NEW DPT WELLS AND T-POINTS

Project No.277311.99.22.0.01
Field Surveys July 07, 2004

Note: Horizontal Datum is NAD (North American Datum) 83 SPC Fl. E. US Survey ft..
Vertical Datum is NGVD (National Geodetic Vertical Datum) 1929.

Description	**North Coord.**	**East Coord.**	**------Elevation-----**	
			TOC	**Ground (*) Conc.**
Survey Control Points:				
21 (PK & Washer)	1536774.363	545140.423	------	111.22
51 (1X2 Stake & Tack)	1536817.311	545008.261	------	111.67
52 (1X2 Stake & Tack)	1536835.044	544902.391	------	110.55
7 (PK & Washer)	1536901.035	545162.333	------	110.69
DPT Wells:				
6010 **(DPT-1A)**	1536831.99	545019.89	113.63	**(*)**111.20
6015 **(DPT-1B)**	1536827.418	545020.61	113.75	**(*)**111.13
6020 **(DPT-2A)**	1536759.56	545046.82	113.93	**(*)**111.20
6025 **(DPT-2B)**	1536764.47	545046.73	113.35	**(*)**111.22
Target Area 1:				
2126 **(T1-26)**	1536810.36	545059.03	------	110.8
2127 **(T1-27)**	1536761.98	545049.21	------	110.9
2128 **(T1-28)**	1536855.88	545055.23	------	111.0
2129 **(T1-29)**	1536783.85	545076.08	------	110.7
2130 **(T1-30)**	1536821.17	545086.57	------	110.4
2131 **(T1-31)**	1536788.46	544951.90	------	110.7
2132 **(T1-32)**	1536790.89	544970.22	------	110.6
2133 **(T1-33)**	1536785.37	544932.09	------	109.6
Target Area 2:				
2229 **(T2-29)**	1536773.83	544835.85	------	108.0
2230 **(T2-30)**	1536808.99	544816.97	------	107.9
2231 **(T2-30R)**	1536820.92	544814.95	------	107.9

Naval Training Center
Operable Unit 4 - Area C
Orlando, Florida

Bowyer-Singleton & Associates, Inc.
200 Business Park Circle, Suite 113, St. Augustine, FL 32095
Phone 904-940-9460 ext.103 / Fax 904-940-9493

Field Surveys May 7, 2008

Note: Horizontal Datum is NAD (North American Datum) 83 SPC FL. E. US feet
Vertical Datum is NAVD (North American Vertical Datum) 88

Description		North Coord.	East Coord.	Elevation TOC	Elevation Top Of Enclosure	Elevation Ground
Survey Control Points:						
AK7130	NGS MONUMENT	1523378.56	543185.27	---	---	98.63
AK7129	NGS MONUMENT	1541920.20	539147.41	---	---	79.26
802	5/8" IRC "LB 1221 BSA TRAV"	537045.52	549446.52	---	---	114.31
801	5/8" IRC "LB 1221 BSA TRAV"	536887.39	544843.14	---	---	108.15
800	5/8" IRC "LB 1221 BSA TRAV"	536335.17	544865.93	---	---	111.71
803	5/8" IRC "LB 1221 BSA TRAV"	537923.97	549430.73	---	---	115.01
804	5/8" IRC "LB 1221 BSA TRAV"	541818.83	547952.00	---	---	119.37
805	5/8" IRC "LB 1221 BSA TRAV"	543145.12	547819.35	---	---	112.82
806	5/8" IRC "LB 1221 BSA TRAV"	539357.80	553782.11	---	---	94.27
807	5/8" IRC "LB 1221 BSA TRAV"	540062.10	554286.97	---	---	93.60
Monitor Wells						
OLD-13-23		1536807.02	544608.56	105.34	105.44	102.9
OLD-13-64D		1536813.47	544679.15	103.72	104.03	104.0
OLD-13-71A		1536811.12	544574.45	103.36	103.97	101.3
OLD-13-72B		1536810.79	544577.04	104.04	104.72	101.5
OLD-13-73C		1536808.25	544576.75	104.07	104.66	101.6
OLD-13-74A		1536810.09	544620.52	105.09	105.48	102.8
OLD-13-75B		1536807.78	544619.86	105.22	105.46	102.7
OLD-13-76C		1536806.14	544616.32	105.04	105.24	102.56
OLD-13-77A		1536810.83	544661.31	103.55	109.36	19.4
OLD-13-78B		1536810.38	544658.80	105.95	106.22	103.6
OLD-13-79C		1536807.16	544661.20	106.02	106.18	103.5
OLD-13-80C		1536810.06	544617.52	105.31	105.56	102.8
OLD-13-DP101		1536842.61	544537.16	103.94	N/A	99.7
OLD-13-DP102		1536815.43	544515.80	103.94	N/A	99.7
OLD-13-DP103		1536765.75	544523.76	104.43	N/A	99.9
OLD-13-DP104		1536842.57	544410.17	103.24	N/A	94.14
OLD-13-DP105		1536803.54	544411.47	103.63	N/A	95.41

ORLANDO NAVAL TRAINING CENTER
SITE OU-4
AS-BUILT WELL & BORINGS

Project No. 177311.99.22.01.01
Field Surveys Sept. 05/05, 2003

Note: Horizontal Datum is NAD (North American Datum) 83 SPC Fl. E. US Survey Ft.. Vertical Datum is NGVD (National Geodetic Vertical Datum) 1929.

			------Elevation-------	
Description	**North Coord.**	**East Coord.**	TOC	Concrete Pad
9010 (P-01)	1,536,790.44	545,323.92	115.03	**112.06**
9020 (P-02)	1,536,804.69	545,283.42	116.26	**113.00**
9030 (P-03)	1,536,820.06	545,240.99	115.98	**112.75**
9040 (P-04)	1,536,833.52	545,204.26	115.34	**111.99**
9050 (P-05)	1,536,804.50	545,087.35	114.18	**111.10**
9060 (P-06)	1,536,910.08	545,248.54	114.43	**111.52**
9070 (P-07)	1,536,854.30	545,247.37	115.30	**112.28**
9080 (P-08)	1,536,744.54	545,244.42	115.83	**112.72**
9090 (P-09)	1,536,690.60	545,242.28	114.93	**112.90**
9100 (P-10)	1,536,636.45	545,239.93	115.54	**112.73**
9110 (P-11)	1,536,582.79	545,236.86	115.62	**112.65**

Naval Training Center
Orlando, Florida

EOS Well Survey

EOS Well ID	TOC Elevation	Ground Elevation	North Coord.	East Coord.
OLD-13-DZ1-OW1	110.833	110.746	1536847.533	545009.982
OLD-13-DZ1-OW2	110.953	110.723	1536840.955	544988.47
OLD-13-DZ1-OW3	110.28	110.17	1536850.449	544954.792
OLD-13-DZ1-OW4	110.358	110.247	1536827.398	544935.853
OLD-13-DZ2-OW1	110.852	110.676	1536849.876	545010.591
OLD-13-DZ2-OW2	111.204	111.107	1536831.286	545000.949
OLD-13-DZ2-OW3	110.789	110.633	1536831.599	544959.913
OLD-13-SZA-OW1	110.905	110.827	1536847.305	545009.933
OLD-13-SZA-OW2	111.038	110.746	1536840.812	544988.668
OLD-13-SZA-OW3	110.323	110.213	1536847.382	544954.683
OLD-13-SZA-OW4	110.349	110.213	1536825.907	544935.669

Inspection Forms

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-12-02A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	13:13
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,458.1900
Screen Interval (ft)	5.01-15	Survey Easting	545,142.0200
Well Diameter (in)	2	North (decimal degrees)	28.55998011
Well Material	PVC SCH 40	East (decimal degrees)	-81.34586314
Completion Type:		TOC Elevation	112.9

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-12-03A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	13:20
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,374.1700
Screen Interval (ft)	5.01-15	Survey Easting	545,155.1300
Well Diameter (in)	2	North (decimal degrees)	28.55974913
Well Material	PVC SCH 40	East (decimal degrees)	-81.34582154
Completion Type:		TOC Elevation	113.34

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	damaged	Replace Well Pad	Yes
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-12-04A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	14:05
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,338.9700
Screen Interval (ft)	5.01-15	Survey Easting	544,863.5000
Well Diameter (in)	2	North (decimal degrees)	28.55965
Well Material	PVC SCH 40	East (decimal degrees)	-81.34672969
Completion Type:		TOC Elevation	112.47

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Not applicable
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

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TERRAINE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-01A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	15:03
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,909.4500
Screen Interval (ft)	5.01-15	Survey Easting	545,030.1600
Well Diameter (in)	2	North (decimal degrees)	28.56122032
Well Material	PVC SCH 40	East (decimal degrees)	-81.34621566
Completion Type:		TOC Elevation	110.22

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-02C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	15:06
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,914.6300
Screen Interval (ft)	57-62	Survey Easting	545,029.8000
Well Diameter (in)	2	North (decimal degrees)	28.56123457
Well Material	PVC SCH 40	East (decimal degrees)	-81.34621683
Completion Type:		TOC Elevation	109.9

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried pad	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-03A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	14:11
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,850.5900
Screen Interval (ft)	4.01-14	Survey Easting	545,158.6400
Well Diameter (in)	2	North (decimal degrees)	28.56105946
Well Material	PVC SCH 40	East (decimal degrees)	-81.34581489
Completion Type:		TOC Elevation	111.88

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,paint pen	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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TERRAINE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-04C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	14:14
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,850.1600
Screen Interval (ft)	59-64	Survey Easting	545,164.4300
Well Diameter (in)	2	North (decimal degrees)	28.56105832
Well Material	PVC SCH 40	East (decimal degrees)	-81.34579685
Completion Type:		TOC Elevation	111.83

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	damaged,cracks in pad	Replace Well Pad	Yes
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-05A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	13:49
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,555.2900
Screen Interval (ft)	5.01-15	Survey Easting	544,921.8400
Well Diameter (in)	2	North (decimal degrees)	28.56024541
Well Material	PVC SCH 40	East (decimal degrees)	-81.3465499
Completion Type:		TOC Elevation	110.2

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Not applicable
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-06C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	13:46
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,555.5600
Screen Interval (ft)	52-57	Survey Easting	544,916.8300
Well Diameter (in)	2	North (decimal degrees)	28.56024612
Well Material	PVC SCH 40	East (decimal degrees)	-81.34656551
Completion Type:		TOC Elevation	109.98

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,paint pen,properly at	Replace Well Tag	Not applicable
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH	COMMENTS
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TERRAINE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-07A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	15:28
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,854.6300
Screen Interval (ft)	3.5-18.5	Survey Easting	544,842.5700
Well Diameter (in)	2	North (decimal degrees)	28.56106806
Well Material	PVC SCH 40	East (decimal degrees)	-81.34679954
Completion Type:		TOC Elevation	108.71

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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TERRAINE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-08C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	15:29
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,854.5800
Screen Interval (ft)	57-62	Survey Easting	544,832.7500
Well Diameter (in)	2	North (decimal degrees)	28.56106784
Well Material	PVC SCH 40	East (decimal degrees)	-81.34683013
Completion Type:		TOC Elevation	108.67

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,non-standard tag	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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TERRAINE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-09A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	13:52
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,845.6900
Screen Interval (ft)	1.01-11	Survey Easting	544,605.8900
Well Diameter (in)	2	North (decimal degrees)	28.56104159
Well Material	PVC SCH 40	East (decimal degrees)	-81.34753676
Completion Type:		TOC Elevation	105.99

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-10B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	13:56
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,857.3700
Screen Interval (ft)	16-21	Survey Easting	544,607.9500
Well Diameter (in)	2	North (decimal degrees)	28.56107373
Well Material	PVC SCH 40	East (decimal degrees)	-81.34753045
Completion Type:		TOC Elevation	105.87

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722	Replace Well Lock	No
Protective Casing	damaged	Replace Protective Casing	Yes

WELL PHOTOGRAPH

COMMENTS

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TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-11C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	13:58
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,850.6700
Screen Interval (ft)	57-62	Survey Easting	544,600.5200
Well Diameter (in)	2	North (decimal degrees)	28.56105524
Well Material	PVC SCH 40	East (decimal degrees)	-81.34755353
Completion Type:		TOC Elevation	105.98

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-12A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	14:56
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,803.3400
Screen Interval (ft)	1.5-11.5	Survey Easting	544,687.4100
Well Diameter (in)	2	North (decimal degrees)	28.56092576
Well Material	PVC SCH 40	East (decimal degrees)	-81.34728243
Completion Type:		TOC Elevation	107.17

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	damaged, rusted	Replace Protective Casing	Yes

WELL PHOTOGRAPH

COMMENTS

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TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-13B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	14:59
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,799.8300
Screen Interval (ft)	16-21	Survey Easting	544,693.1100
Well Diameter (in)	2	North (decimal degrees)	28.56091615
Well Material	PVC SCH 40	East (decimal degrees)	-81.34726464
Completion Type:		TOC Elevation	107.69

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	Yes
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-14C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	14:49
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,807.6600
Screen Interval (ft)	57-62	Survey Easting	544,695.8200
Well Diameter (in)	2	North (decimal degrees)	28.56093771
Well Material	PVC SCH 40	East (decimal degrees)	-81.34725627
Completion Type:		TOC Elevation	107.93

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,paint pen,properly at	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-15A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	15:26
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,818.7900
Screen Interval (ft)	2.5-12.5	Survey Easting	544,746.7200
Well Diameter (in)	2	North (decimal degrees)	28.56096873
Well Material	PVC SCH 40	East (decimal degrees)	-81.34709781
Completion Type:		TOC Elevation	108.74

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-16B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	15:28
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,811.0100
Screen Interval (ft)	18-23	Survey Easting	544,741.0500
Well Diameter (in)	2	North (decimal degrees)	28.56094728
Well Material	PVC SCH 40	East (decimal degrees)	-81.3471154
Completion Type:		TOC Elevation	108.95

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-17C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	15:30
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,808.3000
Screen Interval (ft)	58-63	Survey Easting	544,749.6800
Well Diameter (in)	2	North (decimal degrees)	28.5609399
Well Material	PVC SCH 40	East (decimal degrees)	-81.34708849
Completion Type:		TOC Elevation	109.08

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-18B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/18/2007
Site Name	Operable Unit 4	**Inspection Time**	9:10
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,851.8100
Screen Interval (ft)	25.5-31.5	Survey Easting	544,981.3000
Well Diameter (in)	0.5	North (decimal degrees)	28.56106141
Well Material	PVC SCH 40	East (decimal degrees)	-81.34636735
Completion Type:		TOC Elevation	112.72

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-19B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Operable Unit 4	**Inspection Time**	9:15
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,776.7300
Screen Interval (ft)	14.5-20.5	Survey Easting	544,981.0700
Well Diameter (in)	0.5	North (decimal degrees)	28.56085491
Well Material	PVC SCH 40	East (decimal degrees)	-81.34636739
Completion Type:		TOC Elevation	112.74

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-20B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Operable Unit 4	**Inspection Time**	9:20
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,828.8900
Screen Interval (ft)	14-20	Survey Easting	544,923.7500
Well Diameter (in)	0.5	North (decimal degrees)	28.56099791
Well Material	PVC SCH 40	East (decimal degrees)	-81.34654642
Completion Type:		TOC Elevation	111.45

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-21B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	15:23
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,808.4500
Screen Interval (ft)	27-32	Survey Easting	544,756.7900
Well Diameter (in)	2	North (decimal degrees)	28.56094037
Well Material	PVC SCH 40	East (decimal degrees)	-81.34706634
Completion Type:		TOC Elevation	108.67

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	damaged	Replace Protective Casing	Yes

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-22B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	14:46
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,809.9800
Screen Interval (ft)	27-32	Survey Easting	544,689.1000
Well Diameter (in)	2	North (decimal degrees)	28.56094404
Well Material	PVC SCH 40	East (decimal degrees)	-81.34727722
Completion Type:		TOC Elevation	107.05

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,paint pen,properly at	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	Yes
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-23B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	15:51
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,807.2300
Screen Interval (ft)	6.5-15.5	Survey Easting	544,608.5000
Well Diameter (in)	2	North (decimal degrees)	28.56093583
Well Material	PVC SCH 40	East (decimal degrees)	-81.34752828
Completion Type:		TOC Elevation	106.37

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag	Replace Well Tag	Yes
Well Cover	N/A	Replace Well Cover	Not applicable
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-24A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	16:03
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,724.2000
Screen Interval (ft)	2.7-12.7	Survey Easting	544,595.8500
Well Diameter (in)	2	North (decimal degrees)	28.56070737
Well Material	PVC SCH 40	East (decimal degrees)	-81.34756694
Completion Type:		TOC Elevation	106.85

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	N/A	Replace Well Cover	Not applicable
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-25B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	16:05
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,728.6500
Screen Interval (ft)	18.5-23.5	Survey Easting	544,597.4200
Well Diameter (in)	2	North (decimal degrees)	28.56071962
Well Material	PVC SCH 40	East (decimal degrees)	-81.34756209
Completion Type:		TOC Elevation	107

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	N/A	Replace Well Cover	Not applicable
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-26A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	14:47
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,853.0200
Screen Interval (ft)	7.01-13	Survey Easting	544,892.7400
Well Diameter (in)	0.5	North (decimal degrees)	28.56106403
Well Material	PVC SCH 40	East (decimal degrees)	-81.34664324
Completion Type:		TOC Elevation	109.53

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	damaged	Replace Well Pad	Yes
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-27A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	14:03
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,713.4200
Screen Interval (ft)	6.5-16.5	Survey Easting	545,205.6400
Well Diameter (in)		North (decimal degrees)	28.56068257
Well Material	PVC SCH 40	East (decimal degrees)	-81.34566724
Completion Type:		TOC Elevation	112.91

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	not attached,paint pen	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-30B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/26/2007
Site Name	Operable Unit 4	**Inspection Time**	11:35
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,916.6900
Screen Interval (ft)	29-34	Survey Easting	544,721.8300
Well Diameter (in)	2	North (decimal degrees)	28.56123778
Well Material	PVC SCH 40	East (decimal degrees)	-81.34717623
Completion Type:		TOC Elevation	110.57

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	No
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	missing	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-33A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	10:15
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,577.0200
Screen Interval (ft)	2.5-12.5	Survey Easting	544,533.6000
Well Diameter (in)	2	North (decimal degrees)	28.56030208
Well Material	PVC SCH 40	East (decimal degrees)	-81.34775953
Completion Type:		TOC Elevation	108.35

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-34B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	10:20
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,566.6500
Screen Interval (ft)	20-25	Survey Easting	544,531.1700
Well Diameter (in)	2	North (decimal degrees)	28.56027354
Well Material	PVC SCH 40	East (decimal degrees)	-81.347767
Completion Type:		TOC Elevation	108.27

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-35C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	10:25
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,556.1500
Screen Interval (ft)	51-56	Survey Easting	544,529.8500
Well Diameter (in)	2	North (decimal degrees)	28.56024466
Well Material	PVC SCH 40	East (decimal degrees)	-81.34777102
Completion Type:		TOC Elevation	108.34

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-36A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	16:20
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,680.9500
Screen Interval (ft)	4.01-14	Survey Easting	544,881.0000
Well Diameter (in)	2	North (decimal degrees)	28.56059069
Well Material	PVC SCH 40	East (decimal degrees)	-81.34667826
Completion Type:		TOC Elevation	113.45

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-37B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	16:22
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,692.0100
Screen Interval (ft)	20-25	Survey Easting	544,880.8600
Well Diameter (in)	2	North (decimal degrees)	28.56062111
Well Material	PVC SCH 40	East (decimal degrees)	-81.3466788
Completion Type:		TOC Elevation	113.49

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-38C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	16:23
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,701.1500
Screen Interval (ft)	50-55	Survey Easting	544,881.1100
Well Diameter (in)	2	North (decimal degrees)	28.56064625
Well Material	PVC SCH 40	East (decimal degrees)	-81.3466781
Completion Type:		TOC Elevation	113.45

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-39B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	13:36
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,693.0600
Screen Interval (ft)	20-25	Survey Easting	545,181.6400
Well Diameter (in)	2	North (decimal degrees)	28.56062639
Well Material	PVC SCH 40	East (decimal degrees)	-81.34574183
Completion Type:		TOC Elevation	115.68

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	not attached,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	damaged	Replace Protective Casing	Yes

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-40B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	15:00
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,913.5900
Screen Interval (ft)	20-25	Survey Easting	545,036.8800
Well Diameter (in)	2	North (decimal degrees)	28.56123176
Well Material	PVC SCH 40	East (decimal degrees)	-81.34619476
Completion Type:		TOC Elevation	110.3

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-41B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	15:40
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,846.4300
Screen Interval (ft)	23-28	Survey Easting	544,836.9600
Well Diameter (in)	2	North (decimal degrees)	28.56104546
Well Material	PVC SCH 40	East (decimal degrees)	-81.34681694
Completion Type:		TOC Elevation	108.61

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-42B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	15:42
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,847.2600
Screen Interval (ft)	23-28	Survey Easting	544,857.0700
Well Diameter (in)	2	North (decimal degrees)	28.56104791
Well Material	PVC SCH 40	East (decimal degrees)	-81.3467543
Completion Type:		TOC Elevation	108.82

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-43C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	10:30
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,844.4900
Screen Interval (ft)	45-50	Survey Easting	544,813.1700
Well Diameter (in)	2	North (decimal degrees)	28.56103994
Well Material	PVC SCH 40	East (decimal degrees)	-81.34689104
Completion Type:		TOC Elevation	108

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

WELL PHOTOGRAPH	COMMENTS
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-44B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	15:49
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,847.2000
Screen Interval (ft)	20-30	Survey Easting	544,871.0000
Well Diameter (in)	2	North (decimal degrees)	28.56104785
Well Material	PVC SCH 40	East (decimal degrees)	-81.34671091
Completion Type:		TOC Elevation	108.98

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-45B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	15:51
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,865.8000
Screen Interval (ft)	20-30	Survey Easting	544,855.2000
Well Diameter (in)	2	North (decimal degrees)	28.56109888
Well Material	PVC SCH 40	East (decimal degrees)	-81.3467603
Completion Type:		TOC Elevation	109.13

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-46B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	10:35
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,857.9000
Screen Interval (ft)	20-30	Survey Easting	544,810.1000
Well Diameter (in)	2	North (decimal degrees)	28.5610768
Well Material	PVC SCH 40	East (decimal degrees)	-81.34690072
Completion Type:		TOC Elevation	108.64

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

WELL PHOTOGRAPH	COMMENTS
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-50A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	8:19
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,780.3300
Screen Interval (ft)		Survey Easting	545,365.4900
Well Diameter (in)		North (decimal degrees)	28.56086786
Well Material	PVC SCH 40	East (decimal degrees)	-81.34516989
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Blue, 045,Good - key work	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-51B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	8:22
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,775.0300
Screen Interval (ft)		Survey Easting	545,365.1600
Well Diameter (in)		North (decimal degrees)	28.56085328
Well Material	PVC SCH 40	East (decimal degrees)	-81.34517087
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Blue, 045,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-52A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	8:44
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,908.9500
Screen Interval (ft)		Survey Easting	544,778.7700
Well Diameter (in)		North (decimal degrees)	28.56121695
Well Material	PVC SCH 40	East (decimal degrees)	-81.34699878
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Blue, 045,Good - key work	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-53B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	8:46
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,903.5800
Screen Interval (ft)		Survey Easting	544,778.9800
Well Diameter (in)		North (decimal degrees)	28.56120218
Well Material	PVC SCH 40	East (decimal degrees)	-81.34699808
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	Good - key works	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-54A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	13:36
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,922.9000
Screen Interval (ft)		Survey Easting	544,604.7100
Well Diameter (in)		North (decimal degrees)	28.56125393
Well Material	PVC SCH 40	East (decimal degrees)	-81.34754113
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Blue, 045,Good - key work	Replace Well Lock	No
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

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TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-55B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	13:39
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,918.2600
Screen Interval (ft)		Survey Easting	544,604.7100
Well Diameter (in)		North (decimal degrees)	28.56124117
Well Material	PVC SCH 40	East (decimal degrees)	-81.34754109
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Blue, 045,Good - key work	Replace Well Lock	No
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-56A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	8:54
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,687.1600
Screen Interval (ft)		Survey Easting	544,794.4100
Well Diameter (in)		North (decimal degrees)	28.56060708
Well Material	PVC SCH 40	East (decimal degrees)	-81.34694806
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Blue, 045,Good - key work	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-57B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	8:56
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,682.3300
Screen Interval (ft)		Survey Easting	544,794.6200
Well Diameter (in)		North (decimal degrees)	28.5605938
Well Material	PVC SCH 40	East (decimal degrees)	-81.34694736
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Blue, 045,Good - key work	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-58D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	14:50
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)	100.5-110.5	Survey Easting	
Well Diameter (in)		North (decimal degrees)	0
Well Material	PVC SCH 40	East (decimal degrees)	0
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	N/A	Replace Well Cover	Not applicable
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-59D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	14:38
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)	100-110	Survey Easting	
Well Diameter (in)		North (decimal degrees)	0
Well Material	PVC SCH 40	East (decimal degrees)	0
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-60D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	15:43
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)	100-110	Survey Easting	
Well Diameter (in)		North (decimal degrees)	0
Well Material	PVC SCH 40	East (decimal degrees)	0
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Blue, 045,Good - key work	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-61D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	16:08
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)	99-109	Survey Easting	
Well Diameter (in)		North (decimal degrees)	0
Well Material	PVC SCH 40	East (decimal degrees)	0
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Blue, 045,Good - key work	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-62D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	15:49
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)	110-120	Survey Easting	
Well Diameter (in)		North (decimal degrees)	0
Well Material	PVC SCH 40	East (decimal degrees)	0
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Blue, 045,Good - key work	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-63D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/17/2007
Site Name	Operable Unit 4	**Inspection Time**	10:07
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)	96-106	Survey Easting	
Well Diameter (in)		North (decimal degrees)	0
Well Material	PVC SCH 40	East (decimal degrees)	0
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-64D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	15:08
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)	100-110	Survey Easting	
Well Diameter (in)		North (decimal degrees)	0
Well Material	PVC SCH 40	East (decimal degrees)	0
Completion Type:		TOC Elevation	

WELL CONDITIONS	
Well Pad	good
Well Tag	illegible or unmarked,not attached,pair
Well Cover	bolting,bolts missing,good
Well Cap	good,locking
Well Lock	Missing
Protective Casing	not applicable

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	No
Replace Well Tag	Yes
Replace Well Cover	No
Replace Well Cap	No
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-65D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	14:18
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	0
Well Material	PVC SCH 40	East (decimal degrees)	0
Completion Type:		TOC Elevation	

WELL CONDITIONS	
Well Pad	damaged
Well Tag	illegible or unmarked,not attached,pair
Well Cover	bolting,good
Well Cap	good,non-locking,CMT Well cap
Well Lock	Missing,N/A-CMT
Protective Casing	not applicable

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	Yes
Replace Well Tag	Yes
Replace Well Cover	No
Replace Well Cap	No
Replace Well Lock	No
Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-66D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	15:45
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	0
Well Material	PVC SCH 40	East (decimal degrees)	0
Completion Type:		TOC Elevation	

WELL CONDITIONS	
Well Pad	damaged
Well Tag	illegible or unmarked,not attached,pair
Well Cover	good
Well Cap	good,non-locking,CMT
Well Lock	Missing
Protective Casing	good

FIELD RECOMMENDATIONS	
Abandon or Retain	Retain Well
Replace Well Pad	Yes
Replace Well Tag	Yes
Replace Well Cover	No
Replace Well Cap	No
Replace Well Lock	Yes
Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-67D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	13:46
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	0
Well Material	PVC SCH 40	East (decimal degrees)	0
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	not attached,paint pen	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-68D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	14:40
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	0
Well Material	PVC SCH 40	East (decimal degrees)	0
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking,CMT cap	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-69D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	15:11
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	0
Well Material	PVC SCH 40	East (decimal degrees)	0
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-70D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/09/2007
Site Name	Operable Unit 4	**Inspection Time**	16:02
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	0
Well Material	PVC SCH 40	East (decimal degrees)	0
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking,CMT	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-OW01 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/17/2007
Site Name	Operable Unit 4	**Inspection Time**	10:38
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,832.4500
Screen Interval (ft)	30-35	Survey Easting	544,674.7500
Well Diameter (in)	2	North (decimal degrees)	28.56100572
Well Material	PVC SCH 40	East (decimal degrees)	-81.34732213
Completion Type:		TOC Elevation	107.69

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	missing	Replace Well Pad	Yes
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	N/A	Replace Well Cover	Not applicable
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing	Replace Protective Casing	Yes

WELL PHOTOGRAPH	COMMENTS
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-OW02 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	11:00
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,865.2100
Screen Interval (ft)	30-35	Survey Easting	544,681.9600
Well Diameter (in)	2	North (decimal degrees)	28.56109588
Well Material	PVC SCH 40	East (decimal degrees)	-81.34729996
Completion Type:		TOC Elevation	108.14

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-OW03 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	11:05
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,916.6900
Screen Interval (ft)	29-34	Survey Easting	544,721.8300
Well Diameter (in)	2	North (decimal degrees)	28.56123778
Well Material	PVC SCH 40	East (decimal degrees)	-81.34717623
Completion Type:		TOC Elevation	110.57

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

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	SIGNATURE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-OW04 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	11:10
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,833.0400
Screen Interval (ft)	30-35	Survey Easting	544,659.9500
Well Diameter (in)	2	North (decimal degrees)	28.56100723
Well Material	PVC SCH 40	East (decimal degrees)	-81.34736824
Completion Type:		TOC Elevation	107.37

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

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	SIGNATURE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-OW06 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	14:12
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,869.2200
Screen Interval (ft)	6.3-11.3	Survey Easting	544,695.3700
Well Diameter (in)	2	North (decimal degrees)	28.56110701
Well Material	PVC SCH 40	East (decimal degrees)	-81.34725823
Completion Type:		TOC Elevation	108.07

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,non-standard tag	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-OW07 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	14:14
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,867.8600
Screen Interval (ft)	40-45	Survey Easting	544,699.4100
Well Diameter (in)	2	North (decimal degrees)	28.56110331
Well Material	PVC SCH 40	East (decimal degrees)	-81.34724563
Completion Type:		TOC Elevation	107.83

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,paint pen,properly at	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	good,but rusted	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-OW08 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	14:22
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,849.9500
Screen Interval (ft)	6.2-11.2	Survey Easting	544,695.0600
Well Diameter (in)	2	North (decimal degrees)	28.56105401
Well Material	PVC SCH 40	East (decimal degrees)	-81.34725902
Completion Type:		TOC Elevation	107.54

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,paint pen,properly at	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	Yes
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	not applicable	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-OW09 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	14:24
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,849.6200
Screen Interval (ft)	39.4-44.4	Survey Easting	544,699.6600
Well Diameter (in)	2	North (decimal degrees)	28.56105314
Well Material	PVC SCH 40	East (decimal degrees)	-81.34724469
Completion Type:		TOC Elevation	107.72

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,paint pen,properly at	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-OW10 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	14:29
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,835.4000
Screen Interval (ft)	6.2-11.2	Survey Easting	544,693.6200
Well Diameter (in)	2	North (decimal degrees)	28.56101399
Well Material	PVC SCH 40	East (decimal degrees)	-81.34726337
Completion Type:		TOC Elevation	107.7

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,paint pen,properly at	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-OW11 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	14:31
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,833.7600
Screen Interval (ft)	40-45	Survey Easting	544,698.6000
Well Diameter (in)	2	North (decimal degrees)	28.56100951
Well Material	PVC SCH 40	East (decimal degrees)	-81.34724784
Completion Type:		TOC Elevation	107.71

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,paint pen,properly at	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-OW12 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/17/2007
Site Name	Operable Unit 4	**Inspection Time**	10:21
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,728.4800
Screen Interval (ft)		Survey Easting	544,691.1300
Well Diameter (in)		North (decimal degrees)	28.5607199
Well Material	PVC SCH 40	East (decimal degrees)	-81.34727016
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	N/A	Replace Well Cover	Not applicable
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-OW13 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/17/2007
Site Name	Operable Unit 4	**Inspection Time**	10:24
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,723.0700
Screen Interval (ft)		Survey Easting	544,686.4400
Well Diameter (in)		North (decimal degrees)	28.56070499
Well Material	PVC SCH 40	East (decimal degrees)	-81.34728473
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	N/A	Replace Well Cover	Not applicable
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-SOW5
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	16:11
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,895.4500
Screen Interval (ft)		Survey Easting	544,968.1300
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-SOW10
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	14:01
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,898.3600
Screen Interval (ft)		Survey Easting	544,884.1500
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-SOW12
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	13:58
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,881.4500
Screen Interval (ft)		Survey Easting	544,846.3800
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-SOW13
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	15:26
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,824.9700
Screen Interval (ft)		Survey Easting	544,837.6700
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	N/A	Replace Well Cover	Not applicable
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing	Replace Protective Casing	Yes

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-SOW14
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	15:39
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,841.7500
Screen Interval (ft)		Survey Easting	544,797.6700
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	Yes
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	N/A	Replace Well Cover	Not applicable
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing	Replace Protective Casing	Yes

WELL PHOTOGRAPH	COMMENTS
	SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	P-1
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	9:14
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	None	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing	Replace Protective Casing	Yes

WELL PHOTOGRAPH	COMMENTS
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	P-1
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	9:14
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	None	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing	Replace Protective Casing	Yes

WELL PHOTOGRAPH	COMMENTS
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	P-2
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	9:57
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	N0ne	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing,not applicable	Replace Protective Casing	Yes

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	P-3
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	10:09
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	None	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing,not applicable	Replace Protective Casing	Yes

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	P-4
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	9:48
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	None	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing	Replace Protective Casing	Yes

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	P-6
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	10:20
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	None	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing,not applicable	Replace Protective Casing	Yes

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	P-7
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	10:15
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	None	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing,not applicable	Replace Protective Casing	Yes

WELL PHOTOGRAPH	COMMENTS
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	P-8
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	10:26
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	None	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing,not applicable	Replace Protective Casing	Yes

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	P-9
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	9:41
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Abandon Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	None	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing	Replace Protective Casing	Yes

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	P-10
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	9:28
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	None	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing	Replace Protective Casing	Yes

WELL PHOTOGRAPH	COMMENTS
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	P-11
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	10:37
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	None	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing,not applicable	Replace Protective Casing	Yes

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-DOW5
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	14:15
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,862.7900
Screen Interval (ft)		Survey Easting	544,891.1900
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH	COMMENTS
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-DOW8
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	14:17
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,833.8300
Screen Interval (ft)		Survey Easting	544,878.3800
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Abandon Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH	COMMENTS
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-DOW9
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	14:06
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,879.3200
Screen Interval (ft)		Survey Easting	544,846.3600
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-DOW11
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	15:24
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,788.9900
Screen Interval (ft)		Survey Easting	544,840.4300
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	N/A	Replace Well Cover	Not applicable
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing	Replace Protective Casing	Yes

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-DOW12
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	15:35
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,836.9700
Screen Interval (ft)		Survey Easting	544,797.7500
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Abandon Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	N/A	Replace Well Cover	Not applicable
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing	Replace Protective Casing	Yes

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-SE03 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	15:12
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,862.3900
Screen Interval (ft)		Survey Easting	544,807.8400
Well Diameter (in)		North (decimal degrees)	28.56108913
Well Material	PVC SCH 40	East (decimal degrees)	-81.3469078
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	missing	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH	COMMENTS
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-SE04 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	14:44
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,816.0700
Screen Interval (ft)		Survey Easting	544,814.4800
Well Diameter (in)		North (decimal degrees)	28.56096178
Well Material	PVC SCH 40	East (decimal degrees)	-81.3468867
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	non-bolting	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Yes

WELL PHOTOGRAPH	COMMENTS
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-DE01 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	15:10
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,865.8800
Screen Interval (ft)		Survey Easting	544,808.3000
Well Diameter (in)		North (decimal degrees)	28.56109873
Well Material	PVC SCH 40	East (decimal degrees)	-81.3469064
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	missing	Replace Well Cover	Not applicable
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH	COMMENTS
	SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-DE02 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	14:48
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,811.8400
Screen Interval (ft)		Survey Easting	544,814.5700
Well Diameter (in)		North (decimal degrees)	28.56095015
Well Material	PVC SCH 40	East (decimal degrees)	-81.34688638
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen,properl	Replace Well Tag	Yes
Well Cover	missing	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH	COMMENTS
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-IW2 / IJ
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	14:41
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,867.3000
Screen Interval (ft)	5.01-30	Survey Easting	544,891.8000
Well Diameter (in)	4	North (decimal degrees)	28.5611033
Well Material	PVC SCH 40	East (decimal degrees)	-81.34664629
Completion Type:		TOC Elevation	109.6

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	Yes
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-IW3 / IJ
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	14:39
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,538,857.4000
Screen Interval (ft)	5.01-30	Survey Easting	544,891.5000
Well Diameter (in)	4	North (decimal degrees)	28.56657669
Well Material	PVC SCH 40	East (decimal degrees)	-81.34666516
Completion Type:		TOC Elevation	109.3

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH	COMMENTS
	SIGNATURE
	CB

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-IW4 / IJ
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	14:58
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,847.3000
Screen Interval (ft)	5.01-30	Survey Easting	544,891.7000
Well Diameter (in)	4	North (decimal degrees)	28.56104829
Well Material	PVC SCH 40	East (decimal degrees)	-81.34664643
Completion Type:		TOC Elevation	109.5

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH	COMMENTS
	SIGNATURE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-RW1 / EXWELL
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	11:15
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,822.3000
Screen Interval (ft)		Survey Easting	544,675.2200
Well Diameter (in)		North (decimal degrees)	28.56097781
Well Material	PVC SCH 40	East (decimal degrees)	-81.34732057
Completion Type:		TOC Elevation	

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

WELL PHOTOGRAPH	COMMENTS
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-RW2 / EXWELL
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	15:15
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,865.6000
Screen Interval (ft)	10.01-30	Survey Easting	544,828.4000
Well Diameter (in)	4	North (decimal degrees)	28.56109812
Well Material	PVC SCH 40	East (decimal degrees)	-81.34684378
Completion Type:		TOC Elevation	108.7

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,non-standard tag	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH	COMMENTS
	SIGNATURE
	CB

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-RW3 / EXWELL
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	15:13
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,855.5000
Screen Interval (ft)	10.01-30	Survey Easting	544,828.8000
Well Diameter (in)	4	North (decimal degrees)	28.56107034
Well Material	PVC SCH 40	East (decimal degrees)	-81.34684244
Completion Type:		TOC Elevation	108.8

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH	COMMENTS
	SIGNATURE
	CAB

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-13-RW4 / EXWELL
Facility Location	Orlando, FL 32813	**Inspection Date**	10/18/2007
Site Name	Operable Unit 4	**Inspection Time**	15:11
Site Status	Active	**Field Inspector**	

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,538,845.4000
Screen Interval (ft)	10.01-30	Survey Easting	544,829.0000
Well Diameter (in)	4	North (decimal degrees)	28.56654319
Well Material	PVC SCH 40	East (decimal degrees)	-81.34685976
Completion Type:		TOC Elevation	108.6

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH	COMMENTS
	SIGNATURE
	CB

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-14-01A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	11:20
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,943.2300
Screen Interval (ft)	3.01-13	Survey Easting	545,345.1900
Well Diameter (in)	2	North (decimal degrees)	28.56131573
Well Material	PVC SCH 40	East (decimal degrees)	-81.34523459
Completion Type:		TOC Elevation	109

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

WELL PHOTOGRAPH	COMMENTS
	SIGNATURE
	MJC

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-14-02A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	9:13
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,652.3900
Screen Interval (ft)	5.01-15	Survey Easting	545,436.4000
Well Diameter (in)	2	North (decimal degrees)	28.56051655
Well Material	PVC SCH 40	East (decimal degrees)	-81.34494784
Completion Type:		TOC Elevation	113.66

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,paint pen,properly at	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

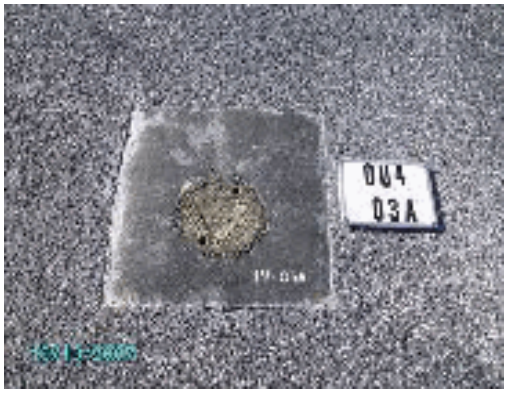
TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-14-03A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	9:30
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,555.6200
Screen Interval (ft)	5.01-15	Survey Easting	545,252.6700
Well Diameter (in)	2	North (decimal degrees)	28.56024895
Well Material	PVC SCH 40	East (decimal degrees)	-81.34551932
Completion Type:		TOC Elevation	113.29

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH



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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-14-04A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	9:26
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,665.5600
Screen Interval (ft)	5.01-15	Survey Easting	545,308.1500
Well Diameter (in)	2	North (decimal degrees)	28.56055176
Well Material	PVC SCH 40	East (decimal degrees)	-81.34534748
Completion Type:		TOC Elevation	113.33

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,non-standard tag	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-14-05A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	9:18
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,640.2700
Screen Interval (ft)	6.01-15	Survey Easting	545,356.3400
Well Diameter (in)	0.5	North (decimal degrees)	28.56048258
Well Material	PVC SCH 40	East (decimal degrees)	-81.34519713
Completion Type:		TOC Elevation	113.6

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-14-06A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	9:07
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,556.9400
Screen Interval (ft)	6.01-15	Survey Easting	545,426.5800
Well Diameter (in)	0.5	North (decimal degrees)	28.56025396
Well Material	PVC SCH 40	East (decimal degrees)	-81.34497758
Completion Type:		TOC Elevation	113.72

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-14-07A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	9:35
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,494.7200
Screen Interval (ft)	6.01-15	Survey Easting	545,321.4900
Well Diameter (in)	0.5	North (decimal degrees)	28.560082
Well Material	PVC SCH 40	East (decimal degrees)	-81.34530439
Completion Type:		TOC Elevation	114.06

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,good,locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-14-08A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	10/10/2007
Site Name	Operable Unit 4	**Inspection Time**	10:54
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,559.4000
Screen Interval (ft)	6.01-15	Survey Easting	545,160.5400
Well Diameter (in)	0.5	North (decimal degrees)	28.56025861
Well Material	PVC SCH 40	East (decimal degrees)	-81.34580635
Completion Type:		TOC Elevation	113.03

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	DPT-1A
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	15:15
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	N/A	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	missing,not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	DPT-1B
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	15:18
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	Yes
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	N/A	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	DPT-2A
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	15:05
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	N/A	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	DPT-2B
Facility Location	Orlando, FL 32813	**Inspection Date**	10/16/2007
Site Name	Operable Unit 4	**Inspection Time**	15:08
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	
Screen Interval (ft)		Survey Easting	
Well Diameter (in)		North (decimal degrees)	
Well Material	PVC SCH 40	East (decimal degrees)	
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	N/A	Replace Well Cover	Yes
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	GMP-10 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	10:40
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,847.1000
Screen Interval (ft)	15-18	Survey Easting	544,885.7000
Well Diameter (in)	0.5	North (decimal degrees)	28.56104769
Well Material	PVC SCH 40	East (decimal degrees)	-81.34666512
Completion Type:		TOC Elevation	109.72

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

WELL PHOTOGRAPH	COMMENTS
	SIGNATURE
	MJC

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	GMP-14 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	10:45
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,857.1000
Screen Interval (ft)	9.01-18	Survey Easting	544,871.3000
Well Diameter (in)	0.5	North (decimal degrees)	28.56107508
Well Material	PVC SCH 40	East (decimal degrees)	-81.34671006
Completion Type:		TOC Elevation	109.5

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

WELL PHOTOGRAPH	COMMENTS
	SIGNATURE
	MJC

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	GMP-16 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	10:50
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,856.3000
Screen Interval (ft)	9.01-18	Survey Easting	544,846.3000
Well Diameter (in)	0.5	North (decimal degrees)	28.56107268
Well Material	PVC SCH 40	East (decimal degrees)	-81.34678794
Completion Type:		TOC Elevation	109.23

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

WELL PHOTOGRAPH	COMMENTS
	SIGNATURE
	MJC

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	GMP-17 / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/16/2007
Site Name	Operable Unit 4	**Inspection Time**	10:55
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)		Survey Northing	1,536,853.5000
Screen Interval (ft)	9.01-18	Survey Easting	544,810.7000
Well Diameter (in)	0.5	North (decimal degrees)	28.5610647
Well Material	PVC SCH 40	East (decimal degrees)	-81.34689881
Completion Type:		TOC Elevation	108.92

WELL CONDITIONS	FIELD RECOMMENDATIONS
	Abandon or Retain
Well Pad	Replace Well Pad
Well Tag	Replace Well Tag
Well Cover	Replace Well Cover
Well Cap	Replace Well Cap
Well Lock	Replace Well Lock
Protective Casing	Replace Protective Casing

WELL PHOTOGRAPH	COMMENTS
	SIGNATURE
	MJC

Boring Logs

Project: BRAC NTC, Orlando, Group I, Site Screening	**Well ID:** OLD-02-01A		**Boring ID:** 02B001
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1531762.8574	**Easting:** 553605.2128	**Date started:** 09/02/94	**Completed:** 09/02/94
Method: 4.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 7-17 ft. bls	**Protection level:** D
TOC elev.: 104.70 Ft.	**Type of OVM:** Porta FID	**Total depth:** 17.5Ft.	**Depth to** ∇ 12 ≡ Ft.
ABB Rep.: S. Grietens	**Well development date:** 09/07/94		**Site:** Study Area 02

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				0	QUARTZ SAND: dark brown, fine grained, good sorting, good rounding, with trace silts and trace fine clean white sands.		SP	posthole	
				0				4,3,5,5	
5			70%						
				0				3,3,3,2	
			70%						
				0				1,1,6,15	
			25%		QUARTZ SAND: Dark brown/black same as .5 to 9 feet with some hard clay lenses.				
10				0				5,14,23,29	
			60%						
	02B00101			0				28,25,23,29	
			100%						
				0	QUARTZ SAND: Brown/tan same as 7 to 9 feet. (13.5 feet a thick sandy clay lense noted, with good plasticity.)			6,9,12,14	
15			90%						
				0				3,12,19,18	
			80%						
20									

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group I, Site Screening		**Well ID:** OLD-02-08C	**Boring ID:** 02B008
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1530631.81	**Easting:** 552815.08	**Date started:** 02/13/95	**Complt'd:** 02/14/95
Method: 6.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 60-65 ft.bls	**Protection level:** D
TOC elev.: 112.31 Ft.	**Type of OVM:** Porta FID	**Total dpth:** 66Ft.	**Dpth to** ∇ 7 ± Ft.
ABB Rep.: W. Olson	**Well development date:** 02/14/95		**Site:** Study Area 02

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
			ph	0	SILTY QUARTZ SAND: Tan to brown, good sorting, fine-to medium-grained, good to moderate rounding.		SP	posthole	
			ph	0				posthole	
			90%	n/a				1,1,2,3	
5			90%	3				2,4,5,3	
			90%	2				2,2,3,6	
10			95%	0	SILTY QUARTZ SAND: Black, mostly fine-grained, sub-rounded.		SM	4,5,7,8	
			90%	1				2,3,3,4	
15			90%	0				3,4,6,9	
			100%	1				3,9,14,18	
			90%	0				2,18,22,23	
20			90%	0				3,8,11,12	
			70%	0				3,5,18,23	
25			nr	n/a	SANDY SILT: Dark brownish-gray, fine-to medium-grained, sub-rounded, stiff, silt matrix, trace clay.		ML	9,22,42,50+	
			60%	0	SANDY SILT: Light brown, faint rotten egg odor.			18,21,33,31	
			30%	0				2,4,4,17	
30			50%	0				2,3,9,22	
			90%	0				5,6,10,15	
35			75%	0	SILTY QUARTZ SAND: Medium brown, fine-to medium-grained, sub-rounded, good sorting, non plastic, wet, faint rotten egg odor.		SM	4,6,2,12	

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group I, Site Screening	Well ID: OLD-02-08C		Boring ID: 02B008
Client: SOUTHNAVFACENGCOM	Contractor: Groundwater Protection, Inc.		Job No.: CTO-107
rthing: 153063L81	Easting: 552815.08	Date started: 02/13/95	Compltd: 02/14/95
Method: 6.25" Hollow stem auger	Casing dia.: 2 in.	Screened int.: 60-65 ft.bls	Protection level: D
TOC elev.: 112.31 Ft.	Type of OVM.: Porta FID	Total dpth: 66Ft.	Dpth to ∇ 7 ± Ft.
ABB Rep.: W. Olson	Well development date: 02/14/95		Site: Study Area 02

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
					Continued from PAGE 1				
			75%	0			SM	2,5,6,7	
			90%	0				2,6,4,5,	
			80%	0				2,4,3,4	
40			100%	0				1,2,4,3	
			50%	0	SILTY QUARTZ SAND: Medium brown, cleaner, some dark brown clayey sand lenses @ 45.5'bls, some coarse concretions.			2,4,3,6	
45			80%	0				3,3,3,4	
			75%	0				7,7,6,6	
			80%	0	QUARTZ SAND: Tan to brown, fine-to medium-grained, sub-rounded, some tan silt, some black sand, rounded, fine-to medium-grained @ 51'bls.		SP	3,3,5,5	
50			80%	0				4,4,4,6	
			25%	nr				6,6,5,10	
55			nr/10%	0				6,12,12,8	
			nr	n/a				10,6,9,9	
			nr	nr				5,7,8,17	
60			80%	0	QUARTZ SAND: Green to gray, fine-to medium-grained, some silt, non plastic.			woh,7,6,10	
			90%	0				6,16,14,19	
65			90%	0				3,3,2,4	
					SANDY CLAY: Gray, fine-grained sand, good sorting, medium stiff clay, moderate to good plasticity.		CL		
					± = approximate depth.				
70									

Project: BRAC NTC, Group I, Site Screening		Well ID: OLD-02-09A	Boring ID: 02B009
Client: SOUTHNAVFACENGCOM	Contractor: Groundwater Protection, Inc.		Job No.: CTO-107
Northing: 153063.59	Easting: 552827.79	Date started: 02/22/95	Complt: 02/22/95
Method: 6.25" Hollow stem auger	Casing dia.: 2 in.	Screened int.: 5-15 ft.bls	Protection level: D
TOC elev.: 112.34 Ft.	Type of OVM: Porta FID	Total dpth: 18Ft.	Dpth to ∇ 7 ≡ Ft.
ABB Rep.: W. Olson	Well development date: 02/22/95		Site: Study Area 02

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				0	SILTY QUARTZ SAND: Brown, dry.		SM	posthole	
			ph		QUARTZ SAND: Off-white, fine-to medium-grained, some silt.		SP		
				0				posthole	
			ph						
				0				2,1,2,3	
5			100%		QUARTZ SAND: Gray to brown, fine-to medium-grained, trace silt, sub-rounded, non plastic, dry.				
				0				1,2,3,4	
			80%						
				0				3,2,4,5	
			90%						
10				0				1,1,2,2	
			80%						
				0	QUARTZ SAND: Black, fine-to medium-grained, silty, wet, rotten egg odor.			3,3,4,5	
			90%						
				2				2,4,6,8	
15			90%						
					≡ = approximate depth.				
20									

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening		**Well ID:** OLD-02-12C	**Boring No.:** OLD-02-12C
Client: SOUTHNAVFACENGCOM			**Job No.:** CTO-107
Contractor: Custom		**Date started:** 08/12/97	**Compltd:** 08/12/97
Method: Hollow Stem Auger	**Casing Size:** NA	**Screen Int.:** 53-58 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID	**Total depth:** 66Ft.	**Dpth to ∇** 9 Ft.
Logged by: PGM	**Well Development Date:**		**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Post-hole to 4 feet.			
5			100%	0	Gray to light brown silty sand. Poorly sorted, soft, loose. Wet below 9 feet bls.		SP	5,5,8,7
			100%	0				7,8,6,6
			100%	0				9,5,6,6
10			100%	0	Black, organic-rich, silty sand. Cemented throughout. Hard, brittle.		OL/SP	10,12,7,11
			100%	0				11,9,10,9
15			80%	0				6,7,10,9
			30%	0	Light gray to light brown clayey, sandy silt. Percentage of clay increases with depth. Becomes softer, looser with depth.		SM	16,35,51,50
			60%	0				14,21,34,57
20			50%	0				11,21,22,19
			10%	0				10,12,14,14
25			0	NA				5,6,7,8
			20%	0				12,17,24,27
			20%	0				11,15,12,21
30			25%	0				9,11,17,21
			30%	0				10,11,17,22
35			30%	0				5,10,11,14

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening		**Well ID:** OLD-02-12C	**Boring No.:** OLD-02-12C
ent: SOUTHNAVFACENGCOM			**Job No.:** CTO-107
Contractor: Custom		**Date started:** 08/12/97	**Compltd:** 08/12/97
Method: Hollow Stem Auger	**Casing Size:** NA	**Screen Int.:** 53-58 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID	**Total depth:** 66Ft.	**Dpth to ∇** 9 Ft.
Logged by: PGM	**Well Development Date:**		**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			30%				SM	
			25%	0	Tan to brown silty sand. Poorly sorted. Loose.		SP	7,10,13,22
			30%	12				8,10,11,15
40			50%	0				11,14,25,25
			50%	0				7,9,14,23
45			50%	0				4,5,8,11
			50%	0				9,10,12,17
			75%	5				18,12,16,22
50			75%	0				10,15,21,29
			0	NA	Olive green silty fine- to coarse-grained sand. Poorly sorted. Loose, wet. (Hawthorn)			7,8,10,13
55			100%	0				7,9,11,14
			50%	0				10,14,16,12
			50%	0				9,13,13,18
60			50%	0				20,19,18,26
			80%	0	Olive green silty, sandy clay with phosphate nodules. Soft, low plasticity.		ML	2,1,1,3
65			80%	0				1,2,2,1
					TD			
70								

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening		**Well ID:** OLD-02-15A	**Boring No.:** OLD-02-15A
Client: SOUTHNAVFACENGCOM			**Job No.:** CTO-107
Contractor: Custom		**Date started:** 12/01/97	**Compltd:** 12/01/97
Method: Hollow Stem Auger	**Casing Size:** NA	**Screen Int.:** 10-15 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID	**Total depth:** 15.5Ft.	**Dpth to ∇** 7 Ft.
Logged by: PGM	**Well Development Date:**		**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Post-hole to 4 feet.			
5			80%	0	Dark brown silty sand. Poorly sorted. Cemented in places from 1'-8'. Soft. Wet below 7'.		SP	4,4,4,11
			80%	0				26,30,30,26
			50%	0				2,5,9,21
10			70%	0				5,6,11,12
			30%	0				2,6,7,9
15				0	Light brown silty sand. Well sorted.		SW	5,7,8,10
					TD			
20								

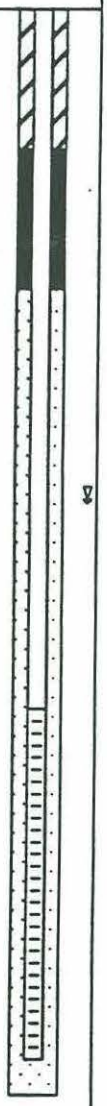


 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening	**Well ID:** OLD-02-16B	**Boring No.:** OLD-02-16B
Client: SOUTHNAVFACENGCOM		**Job No.:** CTO-107
Contractor: Custom	**Date started:** 12/03/97	**Completd:** 12/03/97
Method: Hollow Stem Auger	**Casing Size:** NA / **Screen Int.:** 28-33 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID / **Total depth:** 33.5Ft.	**Dpth to ∇** 7 Ft.
Logged by: PGM	**Well Development Date:**	**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Post-hole to 4 feet.			
5			90%	0	Dark brown silty sand. Poorly sorted. Cemented in places from 1'-8'. Soft. Wet below 7'.		SP	4,4,4,11
			90%	0				26,30,30,26
			50%	0				2,5,9,21
10			70%	0				5,6,11,12
			30%	0				2,6,7,9
15			40%	0	Light brown silty sand. Well sorted.		SW	5,7,8,10
			60%	0	Tan silty fine-grained sand. Poorly sorted. No gradation. Moderately soft, loose.		SP	7,7,9,10
20			40%	0				8,9,12,12
			40%	0				3,5,12,14
			60%	0				5,8,11,10
25			30%	0				5,9,10,11
			50%	0				10,11,11,16
			70%	0				3,5,6,5
30			70%	0	Gray brown silty fine-grained sand. Some partially cemented, green silt in lower section.			5,10,16,12
				0				7,9,9,17
35					TD			

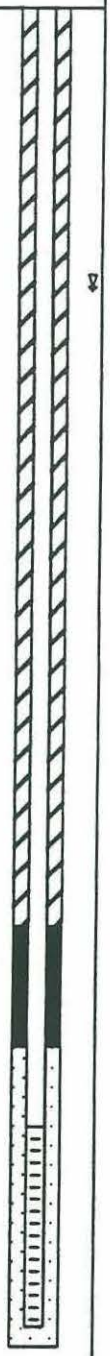


 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening	**Well ID:** OLD-02-17C	**Boring No.:** OLD-02-17C
Client: SOUTHNAVFACENGCOM		**Job No.:** CTO-107
Contractor: Custom	**Date started:** 12/02/97	**Compltd:** 12/02/97
Method: Hollow Stem Auger	**Casing Size:** NA / **Screen Int.:** 45-50 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID / **Total depth:** 56Ft.	**Dpth to ∇** 7 Ft.
Logged by: PGM	**Well Development Date:**	**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Post-hole to 4 feet.			
5			90%	0	Dark brown silty sand. Poorly sorted. Cemented in places from 1'-8'. Soft. Wet below 7'.		SP	4,4,4,11
			90%	0				26,30,30,26
			50%	0				2,5,9,21
10			70%	0				5,6,11,12
			30%	0				2,6,7,9
15			40%	0	Light brown silty sand. Well sorted.		SW	5,7,8,10
			60%	0	Tan silty fine-grained sand. Poorly sorted. No gradation. Moderately soft, loose.		SP	7,7,9,10
20			40%	0				8,9,12,12
			40%	0				3,5,12,14
			60%	0				5,8,11,10
25			30%	0				5,9,10,11
			50%	0				10,11,11,16
			70%	0				3,5,6,5
30			70%	0	Gray brown silty fine-grained sand. Some partially cemented, green silt in lower section.			5,10,16,12
			80%	0				7,9,9,17
35			80%	0				10,11,11,10

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening		**Well ID:** OLD-02-17C	**Boring No.:** OLD-02-17C
Client: SOUTHNAVFACENGCOM			**Job No.:** CTO-107
Contractor: Custom ---		**Date started:** 12/02/97	**Compltd:** 12/02/97
Method: Hollow Stem Auger	**Casing Size:** NA	**Screen Int.:** 45-50 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID	**Total depth:** 56Ft.	**Dpth to ∇** 7 Ft.
Logged by: PGM	**Well Development Date:**		**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			80%				SP	
			80%	0	Olive green silty to coarse-grained sand with alternating layers of clayey fine-grained sand. Wet throughout. Percentage of clay increases 47'-49'.		SP/ML	5,11,12,14
			50%	0				8,16,22,23
40			70%	0				8,14,22,27
			70%	0				14,19,23,20
45			60%	0				2,10,4,4
			80%	0				3,5,4,5
			90%	0	Dark green silty clay. Clay moderately stiff, moderately plastic.		ML	1,1,1,1
50			90%	0				4,5,8,11
			80%	0	Olive green clayey shell conglomerate.		CL/MH	4,4,8,8
55			40%	0				7,10,11,15
					TD			
60								
65								
70								

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening	**Well ID:** OLD-02-19C	**Boring No.:** OLD-02-19C
Client: SOUTHNAVFACENGCOM		**Job No.:** CTO-107
Contractor: Custom	**Date started:** 12/04/97	**Compltd:** 12/04/97
Method: Hollow Stem Auger	**Casing Size:** NA	**Screen Int.:** 49-54 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID	**Total depth:** 58Ft.	**Dpth to ∇** 7 Ft.
Logged by: PGM	**Well Development Date:**	**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Post-hole to 4 feet.			
5			90%	0	Tan to yellow silty sand; poorly sorted; slightly cemented. Soft, loose. Saturated below 7 feet.		SP	2,2,4,6
			90%	0				2,3,3,4
			50%	0				8,11,20,19
10			40%	0				11,10,11,21
			50%	2	Gray-brown clayey, silty sand (percentage of clay increases with depth). Sand fine-grained throughout.		SW	10,12,18,24
15			60%	0				7,9,11,13
			60%	0				6,14,13,16
			70%	0				5,5,4,7
20			50%	0	Yellow clayey, silty sand, percentage of silt/sand consistent. Wet, soft, loose.		SP	4,4,8,10
			60%	0	Above grades into yellow-brown silty sand.			2,2,2,4
25			60%	1				6,4,4,5
			70%	0				2,4,5,4
			60%	0	Dark green clayey, silty sand, percentage of clay increases with depth.			1,1,2,2
30			90%	0				1,1,0,1
			90%	0				2,2,2,2
35			100%	0				2,2,7,8

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening		**Well ID:** OLD-02-19C	**Boring No.:** OLD-02-19C
Client: SOUTHNAVFACENGCOM			**Job No.:** CTO-107
Contractor: Custom		**Date started:** 12/04/97	**Compltd:** 12/04/97
Method: Hollow Stem Auger	**Casing Size:** NA	**Screen Int.:** 49-54 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID	**Total depth:** 58Ft.	**Dpth to ∇** 7 Ft.
Logged by: PGM	**Well Development Date:**		**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			100%				SP	
			40%	0				4,6,15,16
			20%	0				9,18,10,15
40			60%	0				8,10,9,18
			40%	0				11,31,36,36
45			40%	0				9,21,24,33
			40%	0				10,8,11,13
			40%	0				7,9,6,8
50			50%	0				5,10,12,11
			70%	0				5,8,10,12
55			50%	0				2,0,0,1
			90%	0				2,3,4,4
					TD			
60								
65								
70								

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME:	NTC ORLANDO - SA 2	BORING No.:	52C
PROJECT NUMBER:	112GN4443	DATE:	5/4/2004
DRILLING COMPANY:	Prosonic	GEOLOGIST:	Gary Braganza
DRILLING RIG:	Sonic	DRILLER:	Fred Kraus

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							Gravel & Sand, unsorted						
							debris						
							Sand, light brown						
5							grading to dark			0	0	0	0
							medium grained quartz						
							well sorted.						
10										0	0	0	0
							Sand, grey, fine						
							grained, secondary						
15							limestone			0	0	0	0
							Sand, dark grey						
20							fine grained			0	0	0	0
							well sorted.						
25										0	0	0	0
30										0	0	0	0

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NTC ORLANDO - SA 2
PROJECT NUMBER: 112GN4443
DRILLING COMPANY: Prosonic
DRILLING RIG: Sonic

BORING No.: 52C
DATE: 5/4/2004
GEOLOGIST: Gary Braganza
DRILLER: Fred Kraus

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							sand & clay, dark						
							grey, moderately						
							consolidated limestone						
							pebbles & cobbles						
35							embedded			0	0	0	0
40										0	0	0	0
							clayey sand, grey						
							fine grained, poorly						
							consolidated, some						
45				45			limestone fragments			0	0	0	0
48													
50				50									

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes X No _____ Well I.D. #: NTC0252C

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME:	NTC ORLANDO - SA 2	BORING No.:	56C
PROJECT NUMBER:	112GN4443	DATE:	5/6/2004
DRILLING COMPANY:	Prosonic	GEOLOGIST:	Gary Braganza
DRILLING RIG:	Sonic	DRILLER:	Fred Kraus

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							soil & unconsolidated						
							debris						
							Sand, brown grading						
5							to dark brown			0	0	0	0
							medium to carse grain						
							well sorted.						
10										0	0	0	0
15										0	0	0	0
							Sand, grey, med to fine						
20							grain			0	0	0	0
							well sorted, few pebbles						
							& cobbles						
25										0	0	0	0
30										0	0	0	0

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NTC ORLANDO - SA 2
PROJECT NUMBER: 112GN4443
DRILLING COMPANY: Prosonic
DRILLING RIG: Sonic

BORING No.: 56C
DATE: 5/6/2004
GEOLOGIST: Gary Braganza
DRILLER: Fred Kraus

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							Sand, dark grey						
							fine grained, minor						
							clay, some shell						
							fragments						
35				35						0	0	0	0
40				40						0	0	0	0

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes X No _____ Well I.D. #: NTC0256C

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NTC ORLANDO - SA 2
PROJECT NUMBER: 112GN4443
DRILLING COMPANY: Prosonic
DRILLING RIG: Sonic

BORING No.: 58C
DATE: 5/6/2004
GEOLOGIST: Gary Braganza
DRILLER: Fred Kraus

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							Asphalt & road base						
							debris						
							Sand, brown, med to						
							coarse grained mixed						
5							with pebbles & cobbles			0	0	0	0
10										0	0	0	0
							Sand, dark brown						
15							med. Grained grading			0	0	0	0
							to fine grained quartz						
							minor limestone						
							fragments						
20										0	0	0	0
25										0	0	0	0
							Sand, grey to dark grey, fine						
							grained, well sorted						
30										0	0	0	0

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NTC ORLANDO - SA 2
PROJECT NUMBER: 112GN4443
DRILLING COMPANY: Prosonic
DRILLING RIG: Sonic

BORING No.: 58C
DATE: 5/6/2004
GEOLOGIST: Gary Braganza
DRILLER: Fred Kraus

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							Clayey Sand, dark						
							grey, fine grained						
							poorly consolidated						
35				35									
40				40									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes X No ____ Well I.D. #: NTC0258C

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NTC ORLANDO - SA 2
PROJECT NUMBER: 112GN4443
DRILLING COMPANY: Prosonic
DRILLING RIG: Sonic

BORING No.: 59D
DATE: 5/7/2004
GEOLOGIST: Gary Braganza
DRILLER: Fred Kraus

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							Asphalt & road base						
							material						
							Sand, med to						
							coarse grained, brown						
5							to dark brown, pebbles			0	0	0	0
							& cobbles intermixed.						
10										0	0	0	0
							Sand, med. grained						
15							dark brown, quartz, well			0	0	0	0
							sorted.						
20										0	0	0	0
25										0	0	0	0
							Sand, fine grained						
							dark grey, well						
							sorted, minor limestone						
							fragments						
30										0	0	0	0

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NTC ORLANDO - SA 2
PROJECT NUMBER: 112GN4443
DRILLING COMPANY: Prosonic
DRILLING RIG: Sonic

BORING No.: 59D
DATE: 5/7/2004
GEOLOGIST: Gary Braganza
DRILLER: Fred Kraus

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
35										0	0	0	0
40							Clayey Sand, fine grained,			0	0	0	0
							greenish-grey, limestone,						
							& shell fragments						
							interbedded						
45										0	0	0	0
50										0	0	0	0
							Clayey Sand, greenish						
							grey interbedded						
							limestone, moderately						
							consolidated						
55				55						0	0	0	0
60				60						0	0	0	0

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes X No Well I.D. #: NTC0259D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NTC ORLANDO - SA 2
PROJECT NUMBER: 112GN4443
DRILLING COMPANY: Prosonic
DRILLING RIG: Sonic

BORING No.: 61E
DATE: 5/10/2004
GEOLOGIST: Gary Braganza
DRILLER: Fred Kraus

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
65													
							Clayey Sand, fine						
							grained, moderately						
							consolidated, greenish						
							grey						
70										0	0	0	0
							Clay, dark green						
							dense & well consolidated						
							minor limestone fragments						
75										0	0	0	0
							Clay & Sand, interbedded						
							with limestone & shell						
80							poorly consolidated			0	0	0	0
							dark greenish-grey						
85				85						0	0	0	0
90				90						0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Material not logged from 0 to 65 ft depth.

Drilling Area Background (ppm): 0

Converted to Well: Yes X No ____ Well I.D. #: NTC0261E

Completion Logs

Project: BRAC NTC, Orlando, Group I, Site Screening	**Well ID:** OLD-02-01A		**Boring ID:** 02B001
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1531762.8574	**Easting:** 553605.2128	**Date started:** 09/02/94	**Completed:** 09/02/94
Method: 4.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 7-17 ft. bls	**Protection level:** D
TOC elev.: 104.70 Ft.	**Type of OVM:** Porta FID	**Total depth:** 17.5Ft.	**Depth to** ∇ 12 ≡ Ft.
ABB Rep.: S. Grietens	**Well development date:** 09/07/94		**Site:** Study Area 02

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				0	QUARTZ SAND: dark brown, fine grained, good sorting, good rounding, with trace silts and trace fine clean white sands.		SP	posthole	
				0				4,3,5,5	
5			70%						
				0				3,3,3,2	
			70%						
				0				1,1,6,15	
			25%		QUARTZ SAND: Dark brown/black same as .5 to 9 feet with some hard clay lenses.				
10				0				5,14,23,29	
			60%						
	02B00101			0				28,25,23,29	
			100%						
				0	QUARTZ SAND: Brown/tan same as 7 to 9 feet. (13.5 feet a thick sandy clay lense noted, with good plasticity.)			6,9,12,14	
15			90%						
				0				3,12,19,18	
			80%						
20									

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group I, Site Screening		**Well ID:** OLD-02-08C	**Boring ID:** 02B008
Client: SOUTHNAVFACENGCOM	**Contractor:** Groundwater Protection, Inc.		**Job No.:** CTO-107
Northing: 1530631.81	**Easting:** 552815.08	**Date started:** 02/13/95	**Complt'd:** 02/14/95
Method: 6.25" Hollow stem auger	**Casing dia.:** 2 in.	**Screened int.:** 60-65 ft.bls	**Protection level:** D
TOC elev.: 112.31 Ft.	**Type of OVM:** Porta FID	**Total dpth:** 66Ft.	**Dpth to** ∇ 7 ± Ft.
ABB Rep.: W. Olson	**Well development date:** 02/14/95		**Site:** Study Area 02

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
			ph	0	SILTY QUARTZ SAND: Tan to brown, good sorting, fine-to medium-grained, good to moderate rounding.		SP	posthole	
			ph	0				posthole	
			90%	n/a				1,1,2,3	
5			90%	3				2,4,5,3	
			90%	2				2,2,3,6	
10			95%	0	SILTY QUARTZ SAND: Black, mostly fine-grained, sub-rounded.		SM	4,5,7,8	
			90%	1				2,3,3,4	
15			90%	0				3,4,6,9	
			100%	1				3,9,14,18	
			90%	0				2,18,22,23	
20			90%	0				3,8,11,12	
			70%	0				3,5,18,23	
25			nr	n/a	SANDY SILT: Dark brownish-gray, fine-to medium-grained, sub-rounded, stiff, silt matrix, trace clay.		ML	9,22,42,50+	
			60%	0	SANDY SILT: Light brown, faint rotten egg odor.			18,21,33,31	
			30%	0				2,4,4,17	
30			50%	0				2,3,9,22	
			90%	0				5,6,10,15	
35			75%	0	SILTY QUARTZ SAND: Medium brown, fine-to medium-grained, sub-rounded, good sorting, non plastic, wet, faint rotten egg odor.		SM	4,6,2,12	

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Group I, Site Screening	Well ID: OLD-02-08C		Boring ID: 02B008
Client: SOUTHNAVFACENGCOM	Contractor: Groundwater Protection, Inc.		Job No.: CTO-107
rthing: 153063L81	Easting: 552815.08	Date started: 02/13/95	Compltd: 02/14/95
Method: 6.25" Hollow stem auger	Casing dia.: 2 in.	Screened int.: 60-65 ft.bls	Protection level: D
TOC elev.: 112.31 Ft.	Type of OVM.: Porta FID	Total dpth: 66Ft.	Dpth to ∇ 7 ± Ft.
ABB Rep.: W. Olson	Well development date: 02/14/95		Site: Study Area 02

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
					Continued from PAGE 1				
			75%	0			SM	2,5,6,7	
			90%	0				2,6,4,5,	
			80%	0				2,4,3,4	
40			100%	0				1,2,4,3	
			50%	0	SILTY QUARTZ SAND: Medium brown, cleaner, some dark brown clayey sand lenses @ 45.5'bls, some coarse concretions.			2,4,3,6	
45			80%	0				3,3,3,4	
			75%	0				7,7,6,6	
			80%	0	QUARTZ SAND: Tan to brown, fine-to medium-grained, sub-rounded, some tan silt, some black sand, rounded, fine-to medium-grained @ 51'bls.		SP	3,3,5,5	
50			80%	0				4,4,4,6	
			25%	nr				6,6,5,10	
55			nr/10%	0				6,12,12,8	
			nr	n/a				10,6,9,9	
			nr	nr				5,7,8,17	
60			80%	0	QUARTZ SAND: Green to gray, fine-to medium-grained, some silt, non plastic.			woh,7,6,10	
			90%	0				6,16,14,19	
65			90%	0				3,3,2,4	
					SANDY CLAY: Gray, fine-grained sand, good sorting, medium stiff clay, moderate to good plasticity.		CL		
					± = approximate depth.				
70									

Project: BRAC NTC, Group I, Site Screening		Well ID: OLD-02-09A	Boring ID: 02B009
Client: SOUTHNAVFACENGCOM	Contractor: Groundwater Protection, Inc.		Job No.: CTO-107
Northing: 153063.59	Easting: 552827.79	Date started: 02/22/95	Complt: 02/22/95
Method: 6.25" Hollow stem auger	Casing dia.: 2 in.	Screened int.: 5-15 ft.bls	Protection level: D
TOC elev.: 112.34 Ft.	Type of OVM: Porta FID	Total dpth: 18Ft.	Dpth to ∇ 7 ≡ Ft.
ABB Rep.: W. Olson	Well development date: 02/22/95		Site: Study Area 02

Depth Ft.	Laboratory Sample ID.	Sample	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.	Well diag.
				0	SILTY QUARTZ SAND: Brown, dry.		SM	posthole	
			ph		QUARTZ SAND: Off-white, fine-to medium-grained, some silt.		SP		
				0				posthole	
			ph						
				0				2,1,2,3	
5			100%		QUARTZ SAND: Gray to brown, fine-to medium-grained, trace silt, sub-rounded, non plastic, dry.				
				0				1,2,3,4	
			80%						
				0				3,2,4,5	
			90%						
10				0				1,1,2,2	
			80%						
				0	QUARTZ SAND: Black, fine-to medium-grained, silty, wet, rotten egg odor.			3,3,4,5	
			90%						
				2				2,4,6,8	
15			90%						
					≡ = approximate depth.				
20									

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening		**Well ID:** OLD-02-12C	**Boring No.:** OLD-02-12C
Client: SOUTHNAVFACENGCOM			**Job No.:** CTO-107
Contractor: Custom		**Date started:** 08/12/97	**Compltd:** 08/12/97
Method: Hollow Stem Auger	**Casing Size:** NA	**Screen Int.:** 53-58 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID	**Total depth:** 66Ft.	**Dpth to ∇** 9 Ft.
Logged by: PGM	**Well Development Date:**		**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Post-hole to 4 feet.			
5			100%	0	Gray to light brown silty sand. Poorly sorted, soft, loose. Wet below 9 feet bls.		SP	5,5,8,7
			100%	0				7,8,6,6
			100%	0				9,5,6,6
10			100%	0	Black, organic-rich, silty sand. Cemented throughout. Hard, brittle.		OL/SP	10,12,7,11
			100%	0				11,9,10,9
15			80%	0				6,7,10,9
			30%	0	Light gray to light brown clayey, sandy silt. Percentage of clay increases with depth. Becomes softer, looser with depth.		SM	16,35,51,50
			60%	0				14,21,34,57
20			50%	0				11,21,22,19
			10%	0				10,12,14,14
25			0	NA				5,6,7,8
			20%	0				12,17,24,27
			20%	0				11,15,12,21
30			25%	0				9,11,17,21
			30%	0				10,11,17,22
35			30%	0				5,10,11,14

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening		**Well ID:** OLD-02-12C	**Boring No.:** OLD-02-12C
ent: SOUTHNAVFACENGCOM			**Job No.:** CTO-107
Contractor: Custom		**Date started:** 08/12/97	**Compltd:** 08/12/97
Method: Hollow Stem Auger	**Casing Size:** NA	**Screen Int.:** 53-58 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID	**Total depth:** 66Ft.	**Dpth to ∇** 9 Ft.
Logged by: PGM	**Well Development Date:**		**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			30%				SM	
			25%	0	Tan to brown silty sand. Poorly sorted. Loose.		SP	7,10,13,22
			30%	12				8,10,11,15
40			50%	0				11,14,25,25
			50%	0				7,9,14,23
45			50%	0				4,5,8,11
			50%	0				9,10,12,17
			75%	5				18,12,16,22
50			75%	0				10,15,21,29
			0	NA	Olive green silty fine- to coarse-grained sand. Poorly sorted. Loose, wet. (Hawthorn)			7,8,10,13
55			100%	0				7,9,11,14
			50%	0				10,14,16,12
			50%	0				9,13,13,18
60			50%	0				20,19,18,26
			80%	0	Olive green silty, sandy clay with phosphate nodules. Soft, low plasticity.		ML	2,1,1,3
65			80%	0				1,2,2,1
					TD			
70								

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening		**Well ID:** OLD-02-15A	**Boring No.:** OLD-02-15A
Client: SOUTHNAVFACENGCOM			**Job No.:** CTO-107
Contractor: Custom		**Date started:** 12/01/97	**Compltd:** 12/01/97
Method: Hollow Stem Auger	**Casing Size:** NA	**Screen Int.:** 10-15 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID	**Total depth:** 15.5Ft.	**Dpth to ∇** 7 Ft.
Logged by: PGM	**Well Development Date:**		**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Post-hole to 4 feet.			
5			80%	0	Dark brown silty sand. Poorly sorted. Cemented in places from 1'-8'. Soft. Wet below 7'.		SP	4,4,4,11
			80%	0				26,30,30,26
			50%	0				2,5,9,21
10			70%	0				5,6,11,12
			30%	0				2,6,7,9
15				0	Light brown silty sand. Well sorted.		SW	5,7,8,10
					TD			
20								

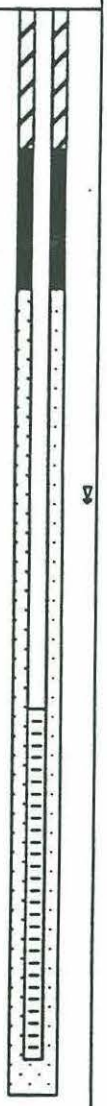


 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening	**Well ID:** OLD-02-16B	**Boring No.:** OLD-02-16B
Client: SOUTHNAVFACENGCOM		**Job No.:** CTO-107
Contractor: Custom	**Date started:** 12/03/97	**Completd:** 12/03/97
Method: Hollow Stem Auger	**Casing Size:** NA / **Screen Int.:** 28-33 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID / **Total depth:** 33.5Ft.	**Dpth to ∇** 7 Ft.
Logged by: PGM	**Well Development Date:**	**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Post-hole to 4 feet.			
5			90%	0	Dark brown silty sand. Poorly sorted. Cemented in places from 1'-8'. Soft. Wet below 7'.		SP	4,4,4,11
			90%	0				26,30,30,26
			50%	0				2,5,9,21
10			70%	0				5,6,11,12
			30%	0				2,6,7,9
15			40%	0	Light brown silty sand. Well sorted.		SW	5,7,8,10
			60%	0	Tan silty fine-grained sand. Poorly sorted. No gradation. Moderately soft, loose.		SP	7,7,9,10
20			40%	0				8,9,12,12
			40%	0				3,5,12,14
			60%	0				5,8,11,10
25			30%	0				5,9,10,11
			50%	0				10,11,11,16
			70%	0				3,5,6,5
30			70%	0	Gray brown silty fine-grained sand. Some partially cemented, green silt in lower section.			5,10,16,12
				0				7,9,9,17
35					TD			

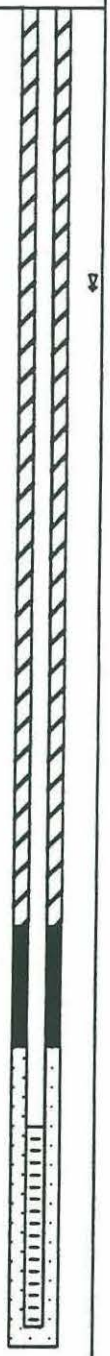


 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening	**Well ID:** OLD-02-17C	**Boring No.:** OLD-02-17C
Client: SOUTHNAVFACENGCOM		**Job No.:** CTO-107
Contractor: Custom	**Date started:** 12/02/97	**Compltd:** 12/02/97
Method: Hollow Stem Auger	**Casing Size:** NA / **Screen Int.:** 45-50 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID / **Total depth:** 56Ft.	**Dpth to ∇** 7 Ft.
Logged by: PGM	**Well Development Date:**	**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Post-hole to 4 feet.			
5			90%	0	Dark brown silty sand. Poorly sorted. Cemented in places from 1'-8'. Soft. Wet below 7'.		SP	4,4,4,11
			90%	0				26,30,30,26
			50%	0				2,5,9,21
10			70%	0				5,6,11,12
			30%	0				2,6,7,9
15			40%	0	Light brown silty sand. Well sorted.		SW	5,7,8,10
			60%	0	Tan silty fine-grained sand. Poorly sorted. No gradation. Moderately soft, loose.		SP	7,7,9,10
20			40%	0				8,9,12,12
			40%	0				3,5,12,14
			60%	0				5,8,11,10
25			30%	0				5,9,10,11
			50%	0				10,11,11,16
			70%	0				3,5,6,5
30			70%	0	Gray brown silty fine-grained sand. Some partially cemented, green silt in lower section.			5,10,16,12
			80%	0				7,9,9,17
35			80%	0				10,11,11,10

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening		**Well ID:** OLD-02-17C	**Boring No.:** OLD-02-17C
Client: SOUTHNAVFACENGCOM			**Job No.:** CTO-107
Contractor: Custom ---		**Date started:** 12/02/97	**Compltd:** 12/02/97
Method: Hollow Stem Auger	**Casing Size:** NA	**Screen Int.:** 45-50 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID	**Total depth:** 56Ft.	**Dpth to ∇** 7 Ft.
Logged by: PGM	**Well Development Date:**		**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			80%				SP	
			80%	0	Olive green silty to coarse-grained sand with alternating layers of clayey fine-grained sand. Wet throughout. Percentage of clay increases 47'-49'.		SP/ML	5,11,12,14
			50%	0				8,16,22,23
40			70%	0				8,14,22,27
			70%	0				14,19,23,20
45			60%	0				2,10,4,4
			80%	0				3,5,4,5
			90%	0	Dark green silty clay. Clay moderately stiff, moderately plastic.		ML	1,1,1,1
50			90%	0				4,5,8,11
			80%	0	Olive green clayey shell conglomerate.		CL/MH	4,4,8,8
55			40%	0				7,10,11,15
					TD			
60								
65								
70								

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening	**Well ID:** OLD-02-19C	**Boring No.:** OLD-02-19C
Client: SOUTHNAVFACENGCOM		**Job No.:** CTO-107
Contractor: Custom	**Date started:** 12/04/97	**Compltd:** 12/04/97
Method: Hollow Stem Auger	**Casing Size:** NA	**Screen Int.:** 49-54 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID	**Total depth:** 58Ft.	**Dpth to ∇** 7 Ft.
Logged by: PGM	**Well Development Date:**	**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Post-hole to 4 feet.			
5			90%	0	Tan to yellow silty sand; poorly sorted; slightly cemented. Soft, loose. Saturated below 7 feet.		SP	2,2,4,6
			90%	0				2,3,3,4
			50%	0				8,11,20,19
10			40%	0				11,10,11,21
			50%	2	Gray-brown clayey, silty sand (percentage of clay increases with depth). Sand fine-grained throughout.		SW	10,12,18,24
15			60%	0				7,9,11,13
			60%	0				6,14,13,16
			70%	0				5,5,4,7
20			50%	0	Yellow clayey, silty sand, percentage of silt/sand consistent. Wet, soft, loose.		SP	4,4,8,10
			60%	0	Above grades into yellow-brown silty sand.			2,2,2,4
25			60%	1				6,4,4,5
			70%	0				2,4,5,4
			60%	0	Dark green clayey, silty sand, percentage of clay increases with depth.			1,1,2,2
30			90%	0				1,1,0,1
			90%	0				2,2,2,2
35			100%	0				2,2,7,8

 ABB ENVIRONMENTAL SERVICES, INC.

Project: BRAC NTC, Orlando, Group I, Site Screening		**Well ID:** OLD-02-19C	**Boring No.:** OLD-02-19C
Client: SOUTHNAVFACENGCOM			**Job No.:** CTO-107
Contractor: Custom		**Date started:** 12/04/97	**Compltd:** 12/04/97
Method: Hollow Stem Auger	**Casing Size:** NA	**Screen Int.:** 49-54 ft. bls	**Protection level:** D
Ground Elev.: NA	**Type of OVM.:** Porta FID	**Total depth:** 58Ft.	**Dpth to ∇** 7 Ft.
Logged by: PGM	**Well Development Date:**		**Site:** Study Area 02

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			100%				SP	
			40%	0				4,6,15,16
			20%	0				9,18,10,15
40			60%	0				8,10,9,18
			40%	0				11,31,36,36
45			40%	0				9,21,24,33
			40%	0				10,8,11,13
			40%	0				7,9,6,8
50			50%	0				5,10,12,11
			70%	0				5,8,10,12
55			50%	0				2,0,0,1
			90%	0				2,3,4,4
					TD			
60								
65								
70								

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: 4207 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Skip Barton | EDITED BY:

WELL NAME: OLD-02-40D | DATE: 10/27/03

DRILLING COMPANY: Groundwater Protection, Inc.

EQUIPMENT: [X] 4.25 INCH HOLLOW STEM AUGER [ ] ___ INCH ROTARY WASH

DRILLER: Russ Wilkie

HOURS DRILLED: 0.6

GALLONS OF WATER USED DURING DRILLING: NA

METHOD OF DECONTAMINATION PRIOR TO DRILLING: steam/pressure wash

DEVELOPMENT

METHOD OF DEVELOPMENT: centrifugal pump

DEVELOPMENT BEGAN DATE: 10/29/03 TIME: 1346

YEILD: GPM	TIME: FROM	TO	DATE:
YEILD: GPM	TIME: FROM	TO	DATE:
YEILD: GPM	TIME: FROM	TO	DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: 40 GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [X] CLEAR [ ] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER: decayed organic (strong)

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

4 50 lb.	SACKS OF	30/65	SAND
5 96 lb.	SACKS OF	Type I/II Portland	CEMENT
150	GALLONS OF GROUT USED		
0.4 50 lb.	SACKS POWDERED BENTONITE		
	SACKS OF		SAND
60	FEET OF	2	INCH PVC BLANK CASING
5	FEET OF	2	INCH PVC SLOTTED SCREEN

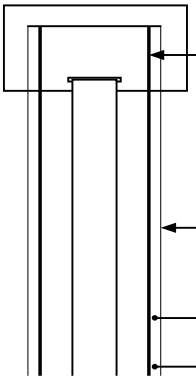
YARD3 CEMENT-SAND (REDI-MIX) ORDERED

YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



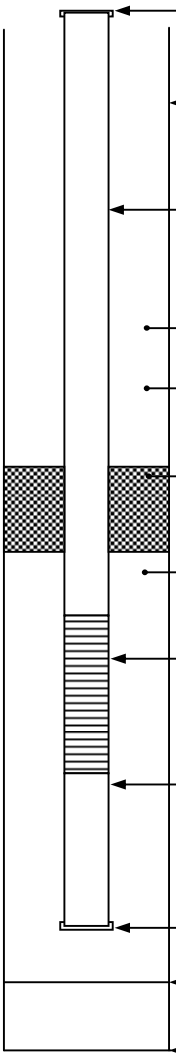
[X] SEE "OTHER" BELOW

[ ] LOCKING STEEL COVER

___ INCH DIAMETER SCH ___ PVC OUTER CASING ___ to ___ feet

___ INCH DIAMETER BOREHOLE ___ to ___ feet

[ ] BENTONITE-CEMENT SEAL OR [ ] 8-SACK CEMENT-SAND SEAL ___ to ___ feet



TOP OF CASING AT 0.2 FEET ABOVE AT BELOW GROUND LEVEL

8.5 INCH DIAMETER BOREHOLE 0 to 65 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING 0.2 to 65.5 feet

[X] BENTONITE-CEMENT SEAL OR [ ] 8-SACK CEMENT-SAND SEAL 0.5 to 54 feet

FINE SAND SEAL 55 to 57 feet

30/65 SAND PACK 57 to 65.5 feet

2 INCH DIAMETER SLOTTED 0.006 INCH SCREEN 60 to 65 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP 65 to 65.5 feet

BOTTOM WELL CAP ___ feet

HOLE CLEANED OUT TO 65.5 feet

BOTTOM OF BOREHOLE 65.5 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

TOC Elevation = 108.54 ft (NAVD 88)

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: 4207 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Skip Barton | EDITED BY:

WELL NAME: OLD-02-41D | DATE: 10/28/03

DRILLING COMPANY: Groundwater Protection, Inc.

EQUIPMENT: [X] 4.25 INCH HOLLOW STEM AUGER [ ] ___ INCH ROTARY WASH

DRILLER: Russ Wilkie

HOURS DRILLED: 0.5

GALLONS OF WATER USED DURING DRILLING: NA

METHOD OF DECONTAMINATION PRIOR TO DRILLING: steam/pressure wash

DEVELOPMENT

METHOD OF DEVELOPMENT: submersible pump

DEVELOPMENT BEGAN DATE: 12/01/03 TIME: 1120

YEILD: GPM	TIME: FROM	TO	DATE:
YEILD: GPM	TIME: FROM	TO	DATE:
YEILD: GPM	TIME: FROM	TO	DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [X] CLEAR [ ] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER:

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

4 50 lb.	SACKS OF	30/65	SAND
5 96 lb.	SACKS OF	Type I/II Portland	CEMENT
150	GALLONS OF GROUT USED		
0.15 50 lb.	SACKS POWDERED BENTONITE		
	SACKS OF		SAND
60	FEET OF	2	INCH PVC BLANK CASING
5	FEET OF	2	INCH PVC SLOTTED SCREEN

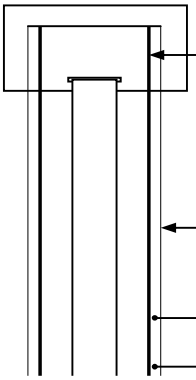
YARD3 CEMENT-SAND (REDI-MIX) ORDERED

YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



[X] SEE "OTHER" BELOW

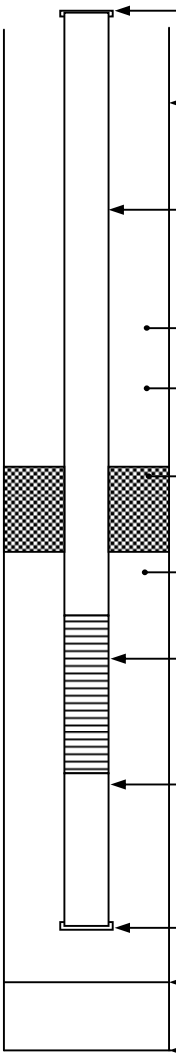
[ ] LOCKING STEEL COVER

___ INCH DIAMETER SCH ___ PVC OUTER CASING ___ to ___ feet

___ INCH DIAMETER BOREHOLE ___ to ___ feet

[ ] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL ___ to ___ feet



TOP OF CASING AT 0.2 FEET ABOVE AT (BELOW) GROUND LEVEL

8.5 INCH DIAMETER BOREHOLE 0 to 65.5 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING 0.2 to 60 feet

[X] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL 0.5 to 54 feet

FINE SAND SEAL 55 to 57 feet

30/65 SAND PACK 57 to 65.5 feet

2 INCH DIAMETER SLOTTED 0.006 INCH SCREEN 60 to 65 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP 65.0 to 65.5 feet

BOTTOM WELL CAP ___ feet

HOLE CLEANED OUT TO 65.5 feet

BOTTOM OF BOREHOLE 65.5 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

TOC Elevation = 112.635 ft (NAVD 88)

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: 4207 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Skip Barton | EDITED BY:

WELL NAME: OLD-02-42D | DATE: 10/28/03

DRILLING COMPANY: Groundwater Protection, Inc.

EQUIPMENT: [X] 4.25 INCH HOLLOW STEM AUGER [ ] ___ INCH ROTARY WASH

DRILLER: Russ Wilkie

HOURS DRILLED: 0.5

GALLONS OF WATER USED DURING DRILLING: NA

METHOD OF DECONTAMINATION PRIOR TO DRILLING: steam/pressure wash

DEVELOPMENT

METHOD OF DEVELOPMENT: centrifugal pump

DEVELOPMENT BEGAN DATE: 10/29/03 TIME: 1636

YEILD: GPM	TIME: FROM	TO	DATE:
YEILD: GPM	TIME: FROM	TO	DATE:
YEILD: GPM	TIME: FROM	TO	DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: 45 GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [ ] CLEAR [X] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER: decayed organic (strong)

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

4 50 lb.	SACKS OF	30/65	SAND
5 96 lb.	SACKS OF	Type I/II Portland	CEMENT
150	GALLONS OF GROUT USED		
0.2 50 lb.	SACKS POWDERED BENTONITE		
	SACKS OF		SAND
60	FEET OF	2	INCH PVC BLANK CASING
5	FEET OF	2	INCH PVC SLOTTED SCREEN

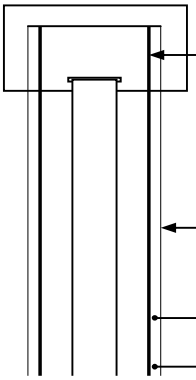
YARD3 CEMENT-SAND (REDI-MIX) ORDERED

YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



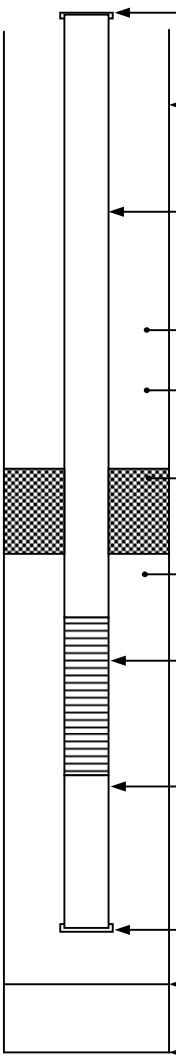
[X] SEE "OTHER" BELOW

[ ] LOCKING STEEL COVER

___ INCH DIAMETER SCH ___ PVC OUTER CASING ___ to ___ feet

___ INCH DIAMETER BOREHOLE ___ to ___ feet

[ ] BENTONITE-CEMENT SEAL OR [ ] 8-SACK CEMENT-SAND SEAL ___ to ___ feet



TOP OF CASING AT 0.2 FEET ABOVE AT BELOW GROUND LEVEL

8.5 INCH DIAMETER BOREHOLE 0 to 65.5 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING 0.5 to 60 feet

[X] BENTONITE-CEMENT SEAL OR [ ] 8-SACK CEMENT-SAND SEAL 0.5 to 54 feet

FINE SAND SEAL 55 to 57 feet

30/65 SAND PACK 57 to 65.5 feet

2 INCH DIAMETER SLOTTED 0.006 INCH SCREEN 60 to 65 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP 65.0 66 feet

BOTTOM WELL CAP ___ feet

HOLE CLEANED OUT TO 65.5 feet

BOTTOM OF BOREHOLE 65.5 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

TOC Elevation = 107.38 ft (NAVD 88)

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: 4207 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Skip Barton | EDITED BY:

WELL NAME: OLD-02-43D | DATE: 10/28/03

DRILLING COMPANY: Groundwater Protection, Inc.

EQUIPMENT: [X] 4.25 INCH HOLLOW STEM AUGER [ ] ___ INCH ROTARY WASH

DRILLER: Russ Wilkie

HOURS DRILLED: 0.6

GALLONS OF WATER USED DURING DRILLING: NA

METHOD OF DECONTAMINATION PRIOR TO DRILLING: steam/pressure wash

DEVELOPMENT

METHOD OF DEVELOPMENT: centrifugal pump

DEVELOPMENT BEGAN DATE: 10/29/03 TIME: 1525

YEILD: GPM	TIME: FROM	TO	DATE:
YEILD: GPM	TIME: FROM	TO	DATE:
YEILD: GPM	TIME: FROM	TO	DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: 54 GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [ ] CLEAR [ ] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER: decayed organic (strong)

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

4 50 lb.	SACKS OF	30/65	SAND
5 96 lb.	SACKS OF	Type I/II Portland	CEMENT
150	GALLONS OF GROUT USED		
0.15 50 lb.	SACKS POWDERED BENTONITE		
	SACKS OF		SAND
60	FEET OF	2	INCH PVC BLANK CASING
5	FEET OF	2	INCH PVC SLOTTED SCREEN

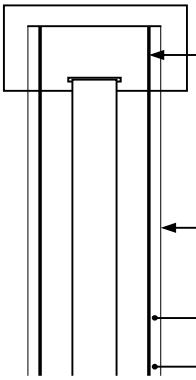
YARD3 CEMENT-SAND (REDI-MIX) ORDERED

YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



[X] SEE "OTHER" BELOW

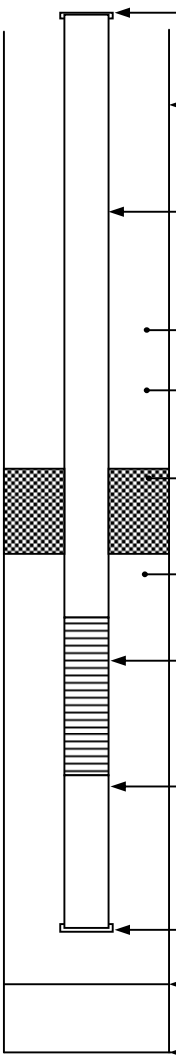
[ ] LOCKING STEEL COVER

___ INCH DIAMETER SCH ___ PVC OUTER CASING ___ to ___ feet

___ INCH DIAMETER BOREHOLE ___ to ___ feet

[ ] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL ___ to ___ feet



TOP OF CASING AT 0.2 FEET ABOVE AT (BELOW) GROUND LEVEL

8.5 INCH DIAMETER BOREHOLE 0 to 65.5 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING 0.2 to 60 feet

[X] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL 0.5 to 54 feet

FINE SAND SEAL 55 to 57 feet

30/65 SAND PACK 57 to 65.5 feet

2 INCH DIAMETER SLOTTED 0.006 INCH SCREEN 60 to 65 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP 65.0 to 65.5 feet

BOTTOM WELL CAP ___ feet

HOLE CLEANED OUT TO 65.5 feet

BOTTOM OF BOREHOLE 65.5 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

TOC Elevation = 111.545 ft (NAVD 88)

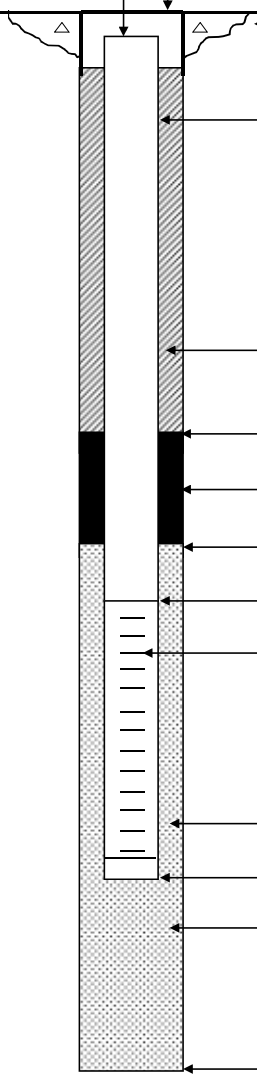
Tetra Tech, Inc.

WELL No.: OLD-02-46DR

WELL COMPLETION LOG

PROJECT:	NTC Orlando	DRILLING Co.:	GW Protection	BORING No.:	46DR
PROJECT No.:	112G02016	DRILLER:	Eric Menbreno	DATE COMPLETED:	12/27/11
SITE:	SA 2	DRILLING METHOD:	Sonic	NORTHING:	1530129.54
GEOLOGIST:	G Braganza	DEV. METHOD:	submersible	EASTING:	552490.48

Ground Elevation =
Datum:



Not to Scale

Elevation / Depth of Top of Riser:		119.12/0 ft
Elevation / Height of Top of Surface Casing:		119.54/0ft
I.D. of Surface Casing:	8-inch	
Type of Surface Casing:	locking manhole	
Type of Surface Seal:	Portland cement	
I.D. of Riser:	2-inch	
Type of Riser:	Sch 40 PVC	
Borehole Diameter:	8.0-inch	
Type of Backfill:	Portland/Bentonite slurry	
Elevation / Depth of Seal:		NA / 61.0
Type of Seal:	Bentonite pellets	
Elevation / Depth of Top of Filter Pack:		NA / 63.0
Elevation / Depth of Top of Screen:		NA / 65.0
Type of Screen:	Sch 40 PVC	
Slot Size x Length:	0.006 x 5 ft	
I.D. of Screen:	2-inch	
Type of Filter Pack:	30/65 Silica Sand	
Elevation / Depth of Bottom of Screen:		NA / 70 ft
Elevation / Depth of Bottom of Filter Pack:		NA / 70 ft
Type of Backfill Below Well:	30/65 Silica Sand	
Elevation / Total Depth of Borehole:		NA / 70.5 ft

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: N4443 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Gary Braganza | EDITED BY:

WELL NAME: OLD-02-50C | DATE: 5/4/04

DRILLING COMPANY: Prosonic

EQUIPMENT: [X] SONIC [ ] ___ INCH ROTARY WASH | DRILLER: Fred Kraus | HOURS DRILLED:

GALLONS OF WATER USED DURING DRILLING:

METHOD OF DECONTAMINATION PRIOR TO DRILLING:

DEVELOPMENT

METHOD OF DEVELOPMENT: Submersible

DEVELOPMENT BEGAN DATE: TIME:

YEILD: GPM	TIME: FROM	TO	DATE:
YEILD: GPM	TIME: FROM	TO	DATE:
YEILD: GPM	TIME: FROM	TO	DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [ ] CLEAR [ ] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER:

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER ___

MATERIALS USED

___ SACKS OF ___ SAND

___ SACKS OF ___ CEMENT

___ GALLONS OF GROUT USED

___ SACKS POWDERED BENTONITE

___ SACKS OF ___ SAND

___ FEET OF ___ INCH PVC BLANK CASING

___ FEET OF ___ INCH PVC SLOTTED SCREEN

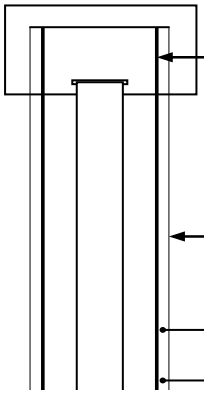
___ YARD3 CEMENT-SAND (REDI-MIX) ORDERED

___ YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



[X] SEE "OTHER" BELOW

[ ] LOCKING STEEL COVER

___ INCH DIAMETER

SCH ___ PVC OUTER CASING

___ to ___ feet

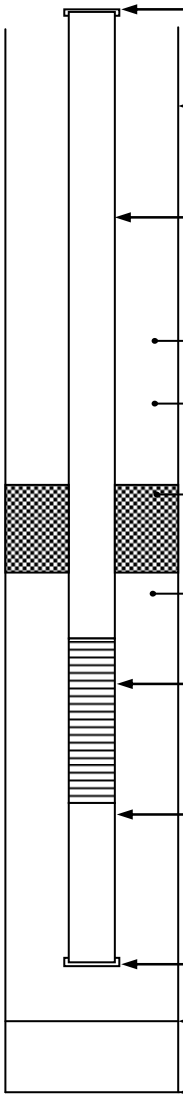
___ INCH DIAMETER BOREHOLE

___ to ___ feet

[ ] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

___ to ___ feet



TOP OF CASING AT 0 FEET ABOVE AT BELOW GROUND LEVEL

6 INCH DIAMETER BOREHOLE

0 to 45.5 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING

0 to 45 feet

[X] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

0.5 to 36 feet

BENTONITE PELLET SEAL

36 to 38 feet

30/65 silica SAND PACK

38 to 45.5 feet

2 INCH DIAMETER SLOTTED 0.006 INCH SCREEN

40 to 45 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP

___ to ___ feet

BOTTOM WELL CAP

45 feet

HOLE CLEANED OUT TO

45.5 feet

BOTTOM OF BOREHOLE

45.5 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

add TOC elevation - 107.31

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: N4443 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Gary Braganza | EDITED BY:

WELL NAME: OLD-02-52C | DATE: 5/4/04

DRILLING COMPANY: Prosonic

EQUIPMENT: [X] SONIC [ ] ___ INCH ROTARY WASH | DRILLER: Fred Kraus | HOURS DRILLED:

GALLONS OF WATER USED DURING DRILLING:

METHOD OF DECONTAMINATION PRIOR TO DRILLING:

DEVELOPMENT

METHOD OF DEVELOPMENT: Submersible

DEVELOPMENT BEGAN DATE: TIME:

YEILD: GPM	TIME: FROM TO	DATE:
YEILD: GPM	TIME: FROM TO	DATE:
YEILD: GPM	TIME: FROM TO	DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [ ] CLEAR [ ] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER:

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

___ SACKS OF ___ SAND

___ SACKS OF ___ CEMENT

___ GALLONS OF GROUT USED

___ SACKS POWDERED BENTONITE

___ SACKS OF ___ SAND

___ FEET OF ___ INCH PVC BLANK CASING

___ FEET OF ___ INCH PVC SLOTTED SCREEN

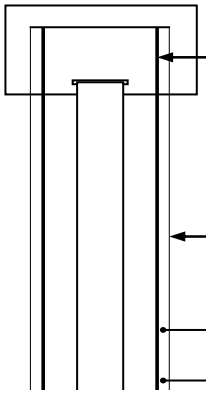
___ YARD3 CEMENT-SAND (REDI-MIX) ORDERED

___ YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



[X] SEE "OTHER" BELOW

[ ] LOCKING STEEL COVER

___ INCH DIAMETER SCH ___ PVC OUTER CASING

___ to ___ feet

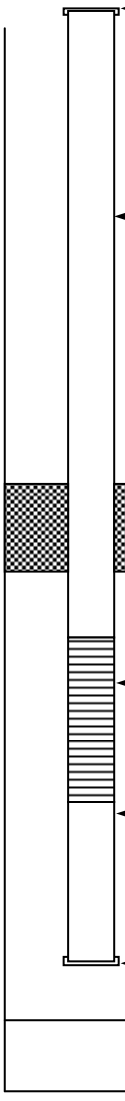
___ INCH DIAMETER BOREHOLE

___ to ___ feet

[ ] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

___ to ___ feet



TOP OF CASING AT 0 FEET ABOVE AT BELOW GROUND LEVEL

6 INCH DIAMETER BOREHOLE

0 to 50.5 feet

___ INCH DIAMETER SCHEDULE 40 PVC BLANK CASING

0 to 50 feet

[X] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

0.5 to 41 feet

BENTONITE PELLET SEAL

41 to 43 feet

30/65 silica SAND PACK

43 to 50.5 feet

2 INCH DIAMETER SLOTTED 0.006 INCH SCREEN

45 to 50 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP

___ to ___ feet

BOTTOM WELL CAP 50 feet

HOLE CLEANED OUT TO 50.5 feet

BOTTOM OF BOREHOLE 50.5 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

add TOC elevation - 112.01

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: N4443 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Gary Braganza | EDITED BY:

WELL NAME: OLD-02-56C | DATE: 5/6/04

DRILLING COMPANY: Prosonic

EQUIPMENT: [X] SONIC [ ] ___ INCH ROTARY WASH | DRILLER: Fred Kraus | HOURS DRILLED:

GALLONS OF WATER USED DURING DRILLING:

METHOD OF DECONTAMINATION PRIOR TO DRILLING:

DEVELOPMENT

METHOD OF DEVELOPMENT: submersible

DEVELOPMENT BEGAN DATE: TIME:

YEILD: GPM TIME: FROM TO DATE:

YEILD: GPM TIME: FROM TO DATE:

YEILD: GPM TIME: FROM TO DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [ ] CLEAR [ ] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER:

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

___ SACKS OF ___ SAND

___ SACKS OF ___ CEMENT

___ GALLONS OF GROUT USED

___ SACKS POWDERED BENTONITE

___ SACKS OF ___ SAND

___ FEET OF ___ INCH PVC BLANK CASING

___ FEET OF ___ INCH PVC SLOTTED SCREEN

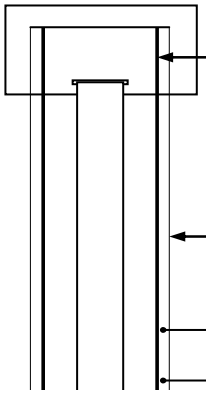
___ YARD3 CEMENT-SAND (REDI-MIX) ORDERED

___ YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



[X] SEE "OTHER" BELOW

[ ] LOCKING STEEL COVER

___ INCH DIAMETER SCH ___ PVC OUTER CASING

___ to ___ feet

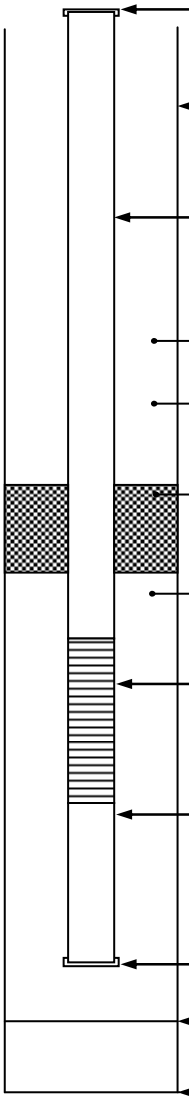
___ INCH DIAMETER BOREHOLE

___ to ___ feet

[ ] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

___ to ___ feet



TOP OF CASING AT 0 FEET ABOVE (AT) BELOW GROUND LEVEL

6 INCH DIAMETER BOREHOLE

0 to 40.5 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING

0 to 35 feet

[X] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

0.5 to 31 feet

FINE SAND SEAL

31 to 33 feet

30/65 SAND PACK

33 to 40.5 feet

2 INCH DIAMETER SLOTTED 0.006 INCH SCREEN

35 to 40 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP

___ to ___ feet

BOTTOM WELL CAP 40 feet

HOLE CLEANED OUT TO 40.5 feet

BOTTOM OF BOREHOLE 40.5 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

add TOC elevation - 98.89

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: N4443 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Gary Braganza | EDITED BY:

WELL NAME: OLD-02-57C | DATE: 5/6/04

DRILLING COMPANY: Prosonic

EQUIPMENT: [X] SONIC | [ ] ___ INCH ROTARY WASH | DRILLER: Fred Kraus | HOURS DRILLED:

GALLONS OF WATER USED DURING DRILLING:

METHOD OF DECONTAMINATION PRIOR TO DRILLING:

DEVELOPMENT

METHOD OF DEVELOPMENT: submersible

DEVELOPMENT BEGAN DATE: TIME:

YEILD: GPM	TIME: FROM TO	DATE:
YEILD: GPM	TIME: FROM TO	DATE:
YEILD: GPM	TIME: FROM TO	DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [ ] CLEAR [ ] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER:

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

___ SACKS OF ___ SAND

___ SACKS OF ___ CEMENT

___ GALLONS OF GROUT USED

___ SACKS POWDERED BENTONITE

___ SACKS OF ___ SAND

___ FEET OF ___ INCH PVC BLANK CASING

___ FEET OF ___ INCH PVC SLOTTED SCREEN

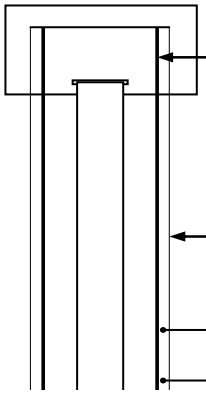
___ YARD3 CEMENT-SAND (REDI-MIX) ORDERED

___ YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



[X] SEE "OTHER" BELOW

[ ] LOCKING STEEL COVER

___ INCH DIAMETER SCH ___ PVC OUTER CASING

___ to ___ feet

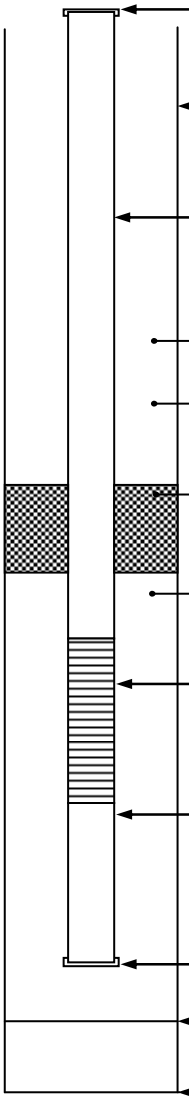
___ INCH DIAMETER BOREHOLE

___ to ___ feet

[ ] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

___ to ___ feet



TOP OF CASING AT 0 FEET ABOVE (AT) BELOW GROUND LEVEL

6 INCH DIAMETER BOREHOLE

0 to 40.5 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING

___ to ___ feet

[X] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

0.5 to 31 feet

BENTONITE PELLET SEAL

31 to 33 feet

30/65 silica SAND PACK

33 to 40.5 feet

2 INCH DIAMETER SLOTTED 0.006 INCH SCREEN

35 to 40 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP

___ to ___ feet

BOTTOM WELL CAP 40 feet

HOLE CLEANED OUT TO 40.5 feet

BOTTOM OF BOREHOLE 40.5 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

add TOC elevation - 98.57

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: N4443 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Gary Braganza | EDITED BY:

WELL NAME: OLD-02-58C | DATE: 5/6/04

DRILLING COMPANY: Prosonic

EQUIPMENT: [X] SONIC [ ] ___ INCH ROTARY WASH | DRILLER: Fred Kraus | HOURS DRILLED:

GALLONS OF WATER USED DURING DRILLING:

METHOD OF DECONTAMINATION PRIOR TO DRILLING:

DEVELOPMENT

METHOD OF DEVELOPMENT: Submersible

DEVELOPMENT BEGAN DATE: TIME:

YEILD: GPM	TIME: FROM TO	DATE:
YEILD: GPM	TIME: FROM TO	DATE:
YEILD: GPM	TIME: FROM TO	DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [ ] CLEAR [ ] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER:

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

___ SACKS OF ___ SAND

___ SACKS OF ___ CEMENT

___ GALLONS OF GROUT USED

___ SACKS POWDERED BENTONITE

___ SACKS OF ___ SAND

___ FEET OF ___ INCH PVC BLANK CASING

___ FEET OF ___ INCH PVC SLOTTED SCREEN

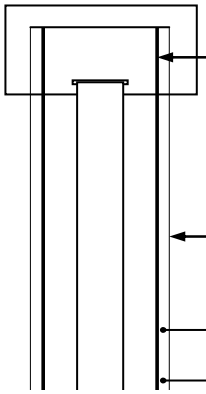
___ YARD3 CEMENT-SAND (REDI-MIX) ORDERED

___ YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



[X] SEE "OTHER" BELOW

[ ] LOCKING STEEL COVER

___ INCH DIAMETER SCH ___ PVC OUTER CASING

___ to ___ feet

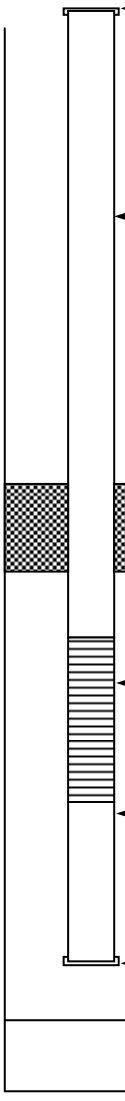
___ INCH DIAMETER BOREHOLE

___ to ___ feet

[ ] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

___ to ___ feet



TOP OF CASING AT 0 FEET ABOVE AT BELOW GROUND LEVEL

6 INCH DIAMETER BOREHOLE

0 to 40.5 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING

___ to ___ feet

[X] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

0.5 to 40 feet

BENTONITE PELLET SEAL

31 to 33 feet

30/65 SAND PACK

33 to 35 feet

2 INCH DIAMETER SLOTTED 0.006 INCH SCREEN

35 to 40 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP

___ to ___ feet

BOTTOM WELL CAP 40 feet

HOLE CLEANED OUT TO 40.5 feet

BOTTOM OF BOREHOLE 40.5 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

add TOC elevation - 96.56

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: N4443 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Gary Braganza | EDITED BY:

WELL NAME: OLD-02-59D | DATE: 5/7/04

DRILLING COMPANY: Prosonic

EQUIPMENT: [X] SONIC [ ] ___ INCH ROTARY WASH | DRILLER: Fred Kraus | HOURS DRILLED:

GALLONS OF WATER USED DURING DRILLING:

METHOD OF DECONTAMINATION PRIOR TO DRILLING:

DEVELOPMENT

METHOD OF DEVELOPMENT: submersible

DEVELOPMENT BEGAN DATE: TIME:

YEILD: GPM TIME: FROM TO DATE:

YEILD: GPM TIME: FROM TO DATE:

YEILD: GPM TIME: FROM TO DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [ ] CLEAR [ ] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER:

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

___ SACKS OF ___ SAND

___ SACKS OF ___ CEMENT

___ GALLONS OF GROUT USED

___ SACKS POWDERED BENTONITE

___ SACKS OF ___ SAND

___ FEET OF ___ INCH PVC BLANK CASING

___ FEET OF ___ INCH PVC SLOTTED SCREEN

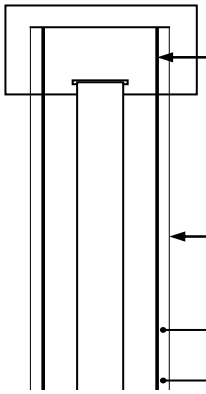
___ YARD3 CEMENT-SAND (REDI-MIX) ORDERED

___ YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



[X] SEE "OTHER" BELOW

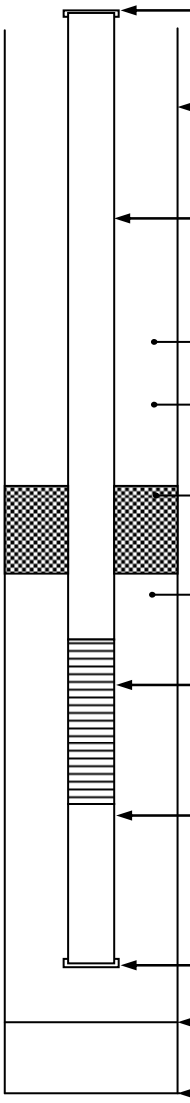
[ ] LOCKING STEEL COVER

___ INCH DIAMETER SCH ___ PVC OUTER CASING ___ to ___ feet

___ INCH DIAMETER BOREHOLE ___ to ___ feet

[ ] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL ___ to ___ feet



TOP OF CASING AT 0 FEET ABOVE (AT) BELOW GROUND LEVEL

6 INCH DIAMETER BOREHOLE 0 to 60.5 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING 0 to 55 feet

[X] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL 0.5 to 51 feet

BENTONITE PELLET SEAL 51 to 53 feet

30/65 silica SAND PACK 53 to 60.5 feet

2 INCH DIAMETER SLOTTED 0.006 INCH SCREEN 55 to 60 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP ___ to ___ feet

BOTTOM WELL CAP 60 feet

HOLE CLEANED OUT TO 60.5 feet

BOTTOM OF BOREHOLE 60.5 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

add TOC elevation - 102.64

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: N4443 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Gary Braganza | EDITED BY:

WELL NAME: OLD-02-60C | DATE: 5/7/04

DRILLING COMPANY: Prosonic

EQUIPMENT: [X] SONIC [ ] ___ INCH ROTARY WASH | DRILLER: Fred Kraus | HOURS DRILLED:

GALLONS OF WATER USED DURING DRILLING:

METHOD OF DECONTAMINATION PRIOR TO DRILLING:

DEVELOPMENT

METHOD OF DEVELOPMENT: submersible

DEVELOPMENT BEGAN DATE: TIME:

YEILD: GPM	TIME: FROM TO	DATE:
YEILD: GPM	TIME: FROM TO	DATE:
YEILD: GPM	TIME: FROM TO	DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [ ] CLEAR [ ] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER:

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

___ SACKS OF ___ SAND

___ SACKS OF ___ CEMENT

___ GALLONS OF GROUT USED

___ SACKS POWDERED BENTONITE

___ SACKS OF ___ SAND

___ FEET OF ___ INCH PVC BLANK CASING

___ FEET OF ___ INCH PVC SLOTTED SCREEN

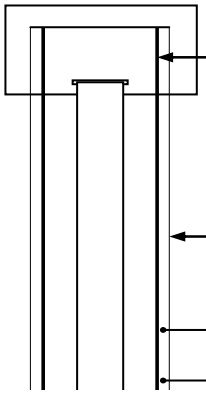
___ YARD3 CEMENT-SAND (REDI-MIX) ORDERED

___ YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



[X] SEE "OTHER" BELOW

[ ] LOCKING STEEL COVER

___ INCH DIAMETER SCH ___ PVC OUTER CASING

___ to ___ feet

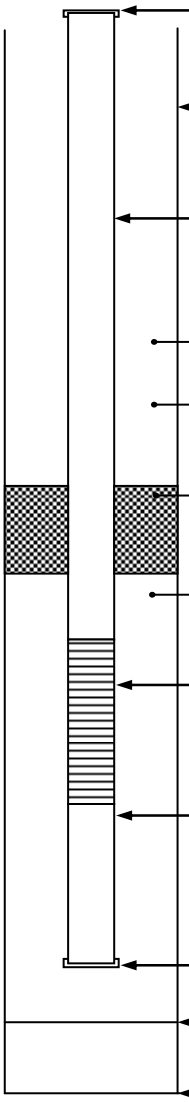
___ INCH DIAMETER BOREHOLE

___ to ___ feet

[ ] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

___ to ___ feet



TOP OF CASING

0 FEET ABOVE / AT BELOW GROUND LEVEL

6 INCH DIAMETER BOREHOLE

0 to 45.5 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING

0 to 40 feet

[X] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

0.5 to 36 feet

BENTONITE PELLET SEAL

36 to 38 feet

30/65 BENTONITE PELLET PACK

38 to 45.5 feet

2 INCH DIAMETER SLOTTED 0.006 INCH SCREEN

40 to 45 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP

___ to ___ feet

BOTTOM WELL CAP

45 feet

HOLE CLEANED OUT TO

45.5 feet

BOTTOM OF BOREHOLE

45.5 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

add TOC elevation - 101.58

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: N4443 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Gary Braganza | EDITED BY:

WELL NAME: OLD-02-61E | DATE: 5/10/04

DRILLING COMPANY: Prosonic

EQUIPMENT: [X] SONIC | DRILLER: Fred Kraus

[ ] ___ INCH ROTARY WASH | HOURS DRILLED:

GALLONS OF WATER USED DURING DRILLING:

METHOD OF DECONTAMINATION PRIOR TO DRILLING:

DEVELOPMENT

METHOD OF DEVELOPMENT: submersible

DEVELOPMENT BEGAN DATE: TIME:

YEILD: GPM TIME: FROM TO DATE:

YEILD: GPM TIME: FROM TO DATE:

YEILD: GPM TIME: FROM TO DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [ ] CLEAR [ ] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER:

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

___ SACKS OF ___ SAND

___ SACKS OF ___ CEMENT

___ GALLONS OF GROUT USED

___ SACKS POWDERED BENTONITE

___ SACKS OF ___ SAND

___ FEET OF ___ INCH PVC BLANK CASING

___ FEET OF ___ INCH PVC SLOTTED SCREEN

___ YARD3 CEMENT-SAND (REDI-MIX) ORDERED

___ YARDS3 CEMENT-SAND (REDI-MIX) USED

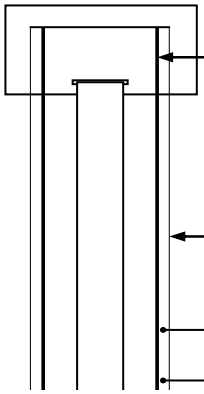
CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER

[ ] CHRISTY BOX

[X] OTHER 8-inch diameter, bolt-down manhole cover



[X] SEE "OTHER" BELOW

[ ] LOCKING STEEL COVER

___ INCH DIAMETER SCH ___ PVC OUTER CASING

___ to ___ feet

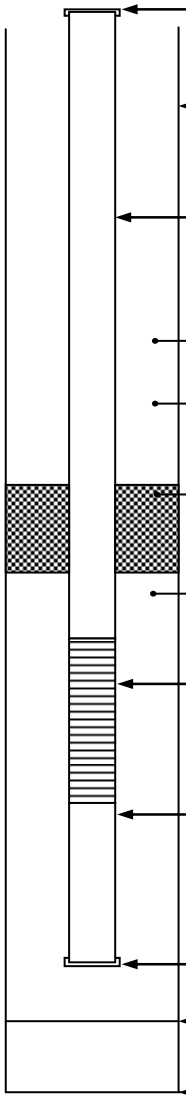
___ INCH DIAMETER BOREHOLE

___ to ___ feet

[ ] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

___ to ___ feet



TOP OF CASING AT 0 FEET ABOVE (AT) BELOW GROUND LEVEL

7 INCH DIAMETER BOREHOLE

0 to 90.5 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING

0 to 85 feet

[X] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

0.5 to 81 feet

BENTONITE PELLET SEAL

81 to 83 feet

30/65 silica SAND PACK

83 to 90.5 feet

2 INCH DIAMETER SLOTTED 0.006 INCH SCREEN

85 to 90 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP

___ to ___ feet

BOTTOM WELL CAP 90 feet

HOLE CLEANED OUT TO 90.5 feet

BOTTOM OF BOREHOLE 90.5 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

add TOC elevation - 111.10

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: N4443 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Gary Braganza | EDITED BY:

WELL NAME: OLD-02-63D | DATE: 5/11/04

DRILLING COMPANY: Prosonic

EQUIPMENT: [X] SONIC | [ ] ___ INCH ROTARY WASH | DRILLER: Fred Kraus | HOURS DRILLED:

GALLONS OF WATER USED DURING DRILLING:

METHOD OF DECONTAMINATION PRIOR TO DRILLING:

DEVELOPMENT

METHOD OF DEVELOPMENT: submersible

DEVELOPMENT BEGAN DATE: TIME:

YEILD: GPM	TIME: FROM TO	DATE:
YEILD: GPM	TIME: FROM TO	DATE:
YEILD: GPM	TIME: FROM TO	DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [ ] CLEAR [ ] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER:

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

___ SACKS OF ___ SAND

___ SACKS OF ___ CEMENT

___ GALLONS OF GROUT USED

___ SACKS POWDERED BENTONITE

___ SACKS OF ___ SAND

___ FEET OF ___ INCH PVC BLANK CASING

___ FEET OF ___ INCH PVC SLOTTED SCREEN

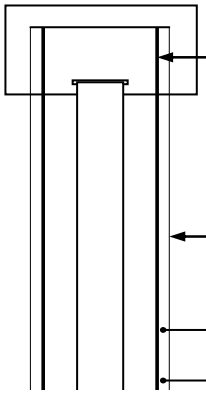
___ YARD3 CEMENT-SAND (REDI-MIX) ORDERED

___ YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



[X] SEE "OTHER" BELOW

[ ] LOCKING STEEL COVER

___ INCH DIAMETER SCH ___ PVC OUTER CASING

___ to ___ feet

___ INCH DIAMETER BOREHOLE

___ to ___ feet

[ ] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

___ to ___ feet

TOP OF CASING AT 0 FEET ABOVE (AT) BELOW GROUND LEVEL

6 INCH DIAMETER BOREHOLE

0 to 60.5 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING

0 to 55 feet

[X] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

0.5 to 51 feet

BENTONITE PELLET SEAL

51 to 53 feet

30/65 silica SAND PACK

53 to 60.5 feet

2 INCH DIAMETER SLOTTED 0.006 INCH SCREEN

55 to 60 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP

___ to ___ feet

BOTTOM WELL CAP 60 feet

HOLE CLEANED OUT TO 60.5 feet

BOTTOM OF BOREHOLE 60.5 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

add TOC elevation - 101.23

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: N4443 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Gary Braganza | EDITED BY:

WELL NAME: OLD-02-64D | DATE: 5/11/04

DRILLING COMPANY: Prosonic

EQUIPMENT: [X] SONIC | [ ] ___ INCH ROTARY WASH | DRILLER: Fred Kraus | HOURS DRILLED:

GALLONS OF WATER USED DURING DRILLING:

METHOD OF DECONTAMINATION PRIOR TO DRILLING:

DEVELOPMENT

METHOD OF DEVELOPMENT: submersible

DEVELOPMENT BEGAN DATE: TIME:

YEILD: GPM	TIME: FROM TO	DATE:
YEILD: GPM	TIME: FROM TO	DATE:
YEILD: GPM	TIME: FROM TO	DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [ ] CLEAR [ ] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER:

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

___ SACKS OF ___ SAND

___ SACKS OF ___ CEMENT

___ GALLONS OF GROUT USED

___ SACKS POWDERED BENTONITE

___ SACKS OF ___ SAND

___ FEET OF ___ INCH PVC BLANK CASING

___ FEET OF ___ INCH PVC SLOTTED SCREEN

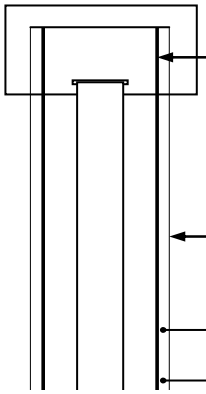
___ YARD3 CEMENT-SAND (REDI-MIX) ORDERED

___ YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



[X] SEE "OTHER" BELOW

[ ] LOCKING STEEL COVER

___ INCH DIAMETER SCH ___ PVC OUTER CASING

___ to ___ feet

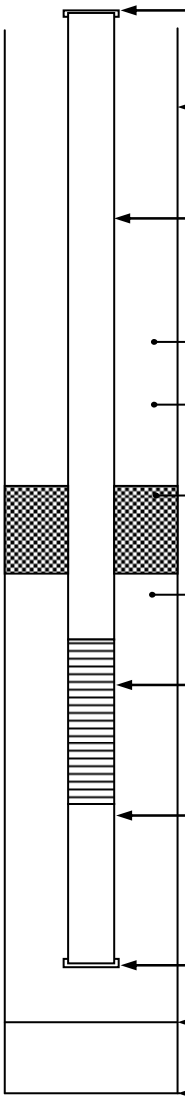
___ INCH DIAMETER BOREHOLE

___ to ___ feet

[ ] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

___ to ___ feet



TOP OF CASING AT 0 FEET ABOVE (AT) BELOW GROUND LEVEL

6 INCH DIAMETER BOREHOLE

0 to 60.5 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING

0 to 55 feet

[X] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

___ to ___ feet

BENTONITE PELLET SEAL

51 to 53 feet

30/65 SAND PACK

53 to 60.5 feet

2 INCH DIAMETER SLOTTED 0.006 INCH SCREEN

55 to 60 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP

___ to ___ feet

BOTTOM WELL CAP

60 feet

HOLE CLEANED OUT TO

60.5 feet

BOTTOM OF BOREHOLE

60.5 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

add TOC elevation - 99.43

Tetra Tech NUS, Inc.

WELL COMPLETION FORM

JOB NAME: NTC Orlando

JOB NUMBER: N4443 | PROJECT MANAGER: Steve McCoy

LOGGED BY: Gary Braganza | EDITED BY:

WELL NAME: OLD-02-65C | DATE: 5/11/04

DRILLING COMPANY: Prosonic

EQUIPMENT: [X] SONIC [ ] ___ INCH ROTARY WASH | DRILLER: Fred Kraus | HOURS DRILLED:

GALLONS OF WATER USED DURING DRILLING:

METHOD OF DECONTAMINATION PRIOR TO DRILLING:

DEVELOPMENT

METHOD OF DEVELOPMENT: submersible

DEVELOPMENT BEGAN DATE: TIME:

YEILD: GPM	TIME: FROM TO	DATE:
YEILD: GPM	TIME: FROM TO	DATE:
YEILD: GPM	TIME: FROM TO	DATE:

TOTAL WATER REMOVED DURING DEVELOPMENT: GALLONS

DESCRIPTION OF TURBIDITY AT END OF DEVELOPMENT: [ ] CLEAR [ ] SLIGHTLY CLOUDY [ ] MOD. TURBID [ ] VERY MUDDY

ODOR OF WATER:

WATER DISCHARGED TO: [ ] GROUND SURFACE [ ] TANK TRUCK [ ] STORM SEWERS [ ] STORAGE TANK [X] DRUMS [ ] OTHER

MATERIALS USED

___ SACKS OF ___ SAND

___ SACKS OF ___ CEMENT

___ GALLONS OF GROUT USED

___ SACKS POWDERED BENTONITE

___ SACKS OF ___ SAND

___ FEET OF ___ INCH PVC BLANK CASING

___ FEET OF ___ INCH PVC SLOTTED SCREEN

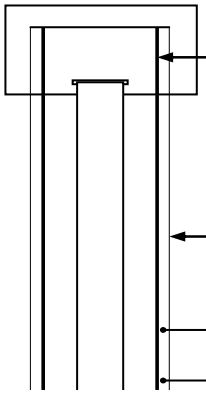
___ YARD3 CEMENT-SAND (REDI-MIX) ORDERED

___ YARDS3 CEMENT-SAND (REDI-MIX) USED

CONCRETE PUMPER USED? [X] NO [ ] YES

NAME

WELL COVER USED: [ ] LOCKING STEEL COVER [ ] CHRISTY BOX [X] OTHER 8-inch diameter, bolt-down manhole cover



[X] SEE "OTHER" BELOW

[ ] LOCKING STEEL COVER

___ INCH DIAMETER SCH ___ PVC OUTER CASING

___ to ___ feet

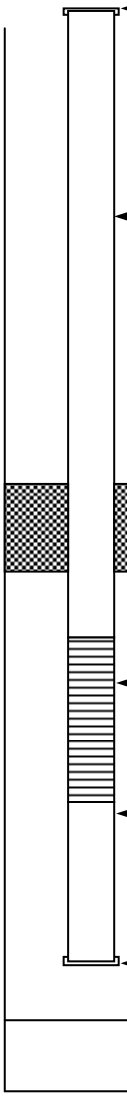
___ INCH DIAMETER BOREHOLE

___ to ___ feet

[ ] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

___ to ___ feet



TOP OF CASING AT 0 FEET ABOVE / AT BELOW GROUND LEVEL

6 INCH DIAMETER BOREHOLE

0 to 40.5 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK CASING

2 to 35 feet

[X] BENTONITE-CEMENT SEAL OR

[ ] 8-SACK CEMENT-SAND SEAL

0.5 to 31 feet

BENTONITE PELLET SEAL

31 to 33 feet

30/65 silica SAND PACK

33 to 35 feet

2 INCH DIAMETER SLOTTED 0.006 INCH SCREEN

35 to 40 feet

2 INCH DIAMETER SCHEDULE 40 PVC BLANK SILT TRAP

___ to ___ feet

BOTTOM WELL CAP 40 feet

HOLE CLEANED OUT TO 40.5 feet

BOTTOM OF BOREHOLE 40.5 feet

NOT TO SCALE

ADDITIONAL INFORMATION:

add TOC elevation - 99.48

Well Construction Report

Well ID: MW-68

Client: Stillwater Technologies

Date of work: 5/5/09 thru 5/7/09

Driller: Chad Hall

ATI Project: 20967035

Type of well: monitor, sparge, recovery, piezo, other

Drilling method: auger, rotary, other; ID diameter: 4 1/4"

Estimated water table: 20'

Height of top of well:

Diameter of well: 2"

Casing material: PVC sch 40, PVC sch 80, Stainless 304, Stainless 316, Other

Screen material: PVC sch 40, PVC sch 80, Stainless, PVC V-wire, Pre-pack, U-pack, Other

Total depth of well: 55'

Total depth of borehole: 55' 3"

Locking cap: yes [x] slip [ ] none [ ]

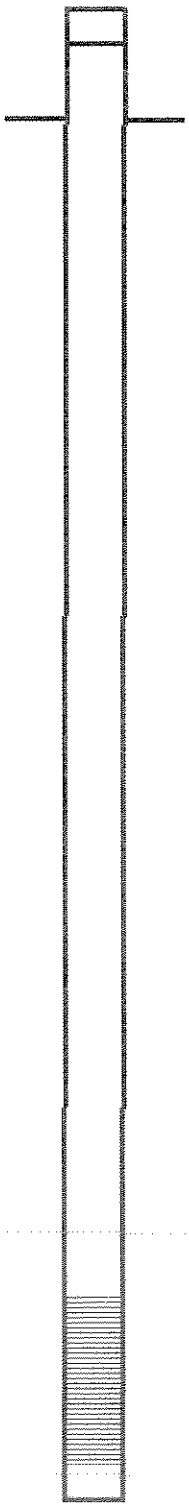
Dolphin lock: yes [ ] none [x]

Filter pack installed: gravity, tremie

Annular seal: gravity, pumped

Well Development: time begin:, time end:, color:, other

whale waterra



Wellhead completion: manhole, 8" typical, Other, None

Well protector: 4 x 4, Other, None

Concrete pad: 2 x 2, Other, None

Filter pack: 20/30, six/20, 30/65, 30/45, Other

Depth of filter pack: Top 49', Bottom 55'

Filter pack seal: Fine sand x, Bentonite, Other

Depth of filter seal: Top 48', Bottom 49'

Annular space seal: Portland x, Port/Bent %, Other

Depth of annular seal: Top 4", Bottom 48'

Well Construction Report

Well ID: MW-69

Client: Stillwater Technologies

Date of work: 5/5/09 thru 5/7/09

Driller: Chad Hall

ATI Project: 20967035

Type of well: monitor, sparge, recovery, piezo, other

Drilling method: auger, ID diameter 4 1/4", rotary, other

Estimated water table: 20'

Height of top of well:

Diameter of well: 2"

Casing material: PVC sch 40, PVC sch 80, Stainless 304, Stainless 316, Other

Screen material: PVC sch 40, PVC sch 80, Stainless, PVC V-wire, Pre-pack, U-pack, Other

Total depth of well: 45'

Total depth of borehole: 45' 3"

Locking cap: yes [x] slip [ ] none [ ]

Dolphin lock: yes [ ] none [x]

Filter pack installed: gravity tremie

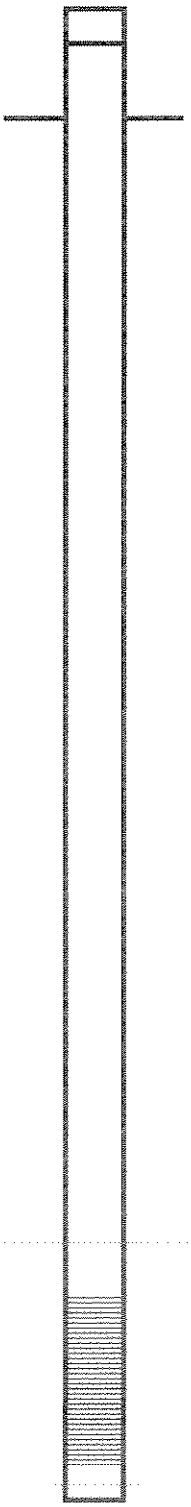
Annular seal: gravity pumped

Well Development: time begin:

time end:

color:

whale waterra other



Wellhead completion

manhole

8" typical

Other

None

Well protector

4 x 4

Other

None

Concrete pad

2 x 2

Other

None

Filter pack

20/30 six/20

30/65 30/45

Other

Depth of filter pack

Top 39'

Bottom 45

Filter pack seal

Fine sand x

Bentonite

Other

Depth of filter seal

Top 38'

Bottom 39'

Annular space seal

Portland x

Port/Bent %

Other

Depth of annular seal

Top 4"

Bottom 38'

Well Construction Report

Well ID: MW-70

Client: Stillwater Technologies

Date of work: 5/5/09 thru 5/7/09

Driller: Chad Hall

ATI Project: 20967035

Type of well: monitor, sparge, recovery, piezo, other

Drilling method: auger, rotary, other; ID diameter: 4 1/4"

Estimated water table: 20'

Height of top of well:

Diameter of well: 2"

Casing material: PVC sch 40, PVC sch 80, Stainless 304, Stainless 316, Other

Screen material: PVC sch 40, PVC sch 80, Stainless, PVC V-wire, Pre-pack, U-pack, Other

Total depth of well: 60'

Total depth of borehole: 60' 3"

Locking cap: yes [x] slip [ ] none [ ]

Dolphin lock: yes [ ] none [x]

Filter pack installed: gravity tremie

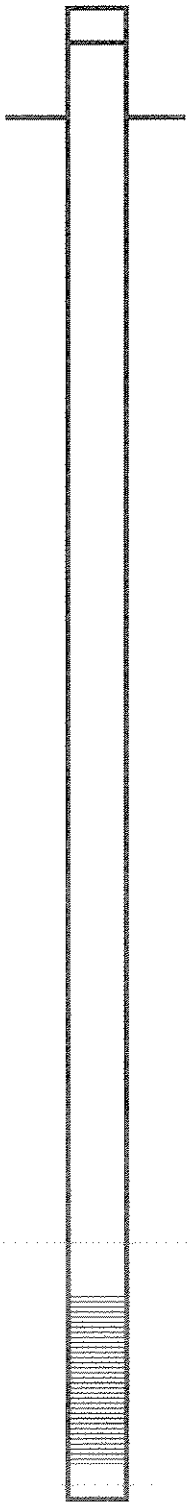
Annular seal: gravity pumped

Well Development: time begin:

time end:

color:

whale waterra other



Wellhead completion

manhole

8" typical

Other

None

Well protector

4 x 4

Other

None

Concrete pad

2 x 2

Other

None

Filter pack

20/30 six/20

30/65 30/45

Other

Depth of filter pack

Top 54'

Bottom 60'

Filter pack seal

Fine sand X

Bentonite

Other

Depth of filter seal

Top 53'

Bottom 54'

Annular space seal

Portland X

Port/Bent %

Other

Depth of annular seal

Top 4"

Bottom 53'

Survey Information

ORLANDO NAVAL TRAINING CENTER
SITE SA-2
MONITOR WELL TABULATION

Project No. 152044.99.22.92.90
Field Surveys Oct. 31/Nov. 01, 2002

Note: Horizontal Datum is NAD (North American Datum) 83 (1990) SPC Fl. E. US Survey ft.
Vertical Datum is NAVD (North American Vertical Datum) 88.

			----------Elevation----------		
Description	**North Coord.**	**East Coord.**	**TOC**	**F/M Rim**	**Ground**
Survey Control Points:					
6 (PK & Washer)	1530959.112	555145.256	-------	-------	102.235
7 (PK & Washer)	1531271.229	555118.949	-------	-------	100.879
8 (PK & Washer)	1530281.304	555099.759	-------	-------	100.872
9 (PK & Washer)	1530281.172	553927.642	-------	-------	103.240
10 (PK & Washer)	1530148.025	553689.678	-------	-------	108.639
12 (PK & Washer)	1530487.068	553485.608	-------	-------	109.677
13 (PK & Washer)	1530713.549	553476.423	-------	-------	109.617
14 (1X2 stake & tack)	1530472.360	552782.493	-------	-------	116.315
15 (1X2 stake & tack)	1531174.210	552704.435	-------	-------	112.324
16 (PK & Washer)	1531437.681	553172.095	-------	-------	107.596
Monitor Wells:					
6010 (OLD-02-01A)	1531763.64	553606.67	103.515	103.76	103.7
6020 (OLD-02-02A)	1531516.11	552788.64	110.055	110.55	110.5
6030 (OLD-02-03A)	1530508.53	552687.71	116.22	116.40	116.4
6040 (OLD-02-04A)	1530633.93	553646.48	108.75	109.00	109.0
6050 (OLD-02-05A)	1531055.36	552729.67	111.265	111.43	111.4
6060 (OLD-02-06A)	1530648.16	553330.28	107.895	108.13	108.3
6070 (OLD-02-07C)	1531523.50	552788.30	110.30	110.865	110.8
6080 (OLD-02-08C)	1530632.70	552816.90	111.125	111.58	111.5
6090 (OLD-02-09A)	1530632.49	552829.56	111.16	111.64	111.6
6120 (OLD-02-12C)	1530521.98	552536.75	114.95	115.14	115.1
6130 (OLD-02-13C)	1530842.23	553676.67	103.505	103.73	103.7
6140 (OLD-02-14C)	1532049.69	553642.63	101.53	101.82	101.7
6150 (OLD-02-15A)	1531281.44	554374.17	98.875	99.14	99.1
6160 (OLD-02-16B)	1531281.66	554368.66	98.805	99.01	99.0
6170 (OLD-02-17C)	1531281.41	554362.88	98.64	98.92	98.9
6180 (OLD-02-18B)	1530857.30	553947.16	100.91	101.25	101.2
6190 (OLD-02-19C)	1530852.20	553946.94	101.045	101.21	101.2
6200 (OLD-02-20B)	1530568.18	553587.41	107.175	107.68	107.6
6210 (OLD-02-21C)	1530565.54	553591.02	107.455	107.73	107.7
6250 (OLD-02-25C)	1530584.98	553491.78	109.55	109.81	109.8
6300 (OLD-02-30C)	1530621.08	553629.59	108.83	109.975	109.9
6360 (OLD-02-36C)	1530789.19	553627.67	103.40	103.545	103.5

Originally from: \\nusoakfp1\shared\Common\Orlando\Surveys\CH2MHill

ORLANDO NAVAL TRAINING CENTER
SITE SA-2
NEW MONITOR WELLS

Project No. 177311.99.22.01.01
Field Surveys Dec 01, 2003

Note: Horizontal Datum is NAD (North American Datum) 83 (1990) SPC Fl. E. US Survey Ft..
Vertical Datum is NAVD (North American Vertical Datum) 88.

			-------Elevation-------	
Description	**North Coord.**	**East Coord.**	**TOC**	**F/M Rim**
Survey Control Points:				
10 (PK & Washer)	1530148.025	553689.678	-------	108.639
12 (PK & Washer)	1530487.068	553485.608	-------	109.677
13 (6’Nail & Washer)	1530713.549	553476.423	-------	109.617
17 (PK & Washer)	1530560.003	553683.347	-------	106.816
18 (6’Nail & Washer)	1530392.161	552667.273	-------	116.588
Monitor Wells:				
6390 **(MW-39D)**	1530672.96	553394.84	108.51	108.73
6400 **(MW-40D)**	1530485.66	553546.49	108.54	108.82
6410 **(MW-41D)**	1530403.39	552914.92	112.635	112.90
6420 **(MW-42D)**	1530298.17	553687.71	107.38	107.59
6430 **(MW-43D)**	1530136.09	553118.02	111.545	111.72
6440 **(MW-44D)**	1530645.12	553705.42	106.83	107.02
6450 **(MW-45D)**	1530966.04	553697.99	101.34	101.55
6460 **(MW-46D)**	1530129.46	552487.69	119.335	119.62

ORLANDO NAVAL TRAINING CENTER
SITE SA-2
NEW MONITOR WELLS
[Revived June 15, 2004]
[To correct Florida Zone from N. to E.]

Project No. 277311.99.22.01.01
Field Surveys July 6 & 7, 2004

Note: Horizontal Datum is NAD (North American Datum) 83 (1990) SPC Fl. **E.** US ft..
Vertical Datum is NAVD (North American Vertical Datum) 88.

			--------Elevation---------		
Description	**North Coord.**	**East Coord.**	**TOC**	**F/M Rim**	**Ground**
Survey Control Points:					
6 (PK & Washer)	1530959.113	555145.256	------	------	102.235
7 (PK & Washer)	1531271.229	555118.949	------	------	100.844
10 (PK & Washer)	1530148.025	553689.678	------	------	108.639
12 (PK & Washer)	1530487.068	553485.608	------	------	109.677
19 (PK & Washer)	1531275.711	554444.345	------	------	100.242
20 (PK & Washer)	1530614.987	554451.830	------	------	101.174
21 (PK & Washer)	1530611.587	553924.867	------	------	102.294
22 (PK & Washer)	1530273.055	553936.836	------	------	103.210
23 (PK & Washer)	1529684.379	553300.950	------	------	117.045
Monitor Wells:					
6480 **(MW-48C)**	1530965.97	553692.14	101.25	101.69	101.6
6490 **(MW-49C)**	1530645.11	553698.36	106.37	106.72	106.7
6500 **(MW-50C)**	1530303.94	553688.39	107.31	107.58	107.5
6510 **(MW-51C)**	1530514.82	553545.72	108.01	108.34	108.3
6520 **(MW-52C)**	1530411.26	553358.44	112.01	112.28	112.2
6530 **(MW-53C)**	1530672.50	553401.84	108.34	108.71	108.6
6540 **(MW-54D)**	1529626.28	552519.07	119.80	120.13	120.0
6550 **(MW-55D)**	1529958.69	553233.02	116.70	116.99	116.9
6560 **(MW-56C)**	1531058.51	553953.42	98.89	99.18	99.1
6570 **(MW-57C)**	1531281.45	554354.25	98.57	98.81	98.8
6580 **(MW-58C)**	1531281.24	554005.69	96.56	96.92	96.9
6590 **(MW-59D)**	1530369.91	553943.03	102.64	102.87	102.8
6600 **(MW-60C)**	1530699.08	553945.71	101.58	101.86	101.8
6610 **(MW-61E)**	1530142.41	553118.54	111.10	111.38	111.3
6620 **(MW-62E)**	1530650.39	553698.29	106.39	106.72	106.7
6630 **(MW-63D)**	1530440.68	554460.88	101.23	101.63	101.6
6640 **(MW-64D)**	1530883.41	554457.21	99.43	99.84	99.8
6650 **(MW-65C)**	1530890.28	554457.40	99.48	99.82	99.8

Table : Monitoring Well Construction Details
City of Orlando-Police Training Facility

No.	Well Designation	Type	Well Inner Diameter	Screen Material	Casing Material	Date Installed	Installed by	Drilling Method	FM = Flush Mount	TOC Elevation	Total Depth (BTOC)	Top of Screen	Bottom of Screen	Status	Surveyor	Date Surveyed	Northing	Easting	Vertical Datum
1	New Old-02-68D	MW	2-inch	0.010 PVC	PVC SCH 40	5/6/2009	ATI	H.S.A	FM	100.16	55.19	50.19	55.19	ACTIVE	STI	6/24/2009	1531018.5520	553699.8380	NAVD 88
2	New Old-02-69C	MW	2-inch	0.010 PVC	PVC SCH 40	5/5/2009	ATI	H.S.A.	FM	106.92	45.21	40.21	45.21	ACTIVE	STI	6/24/2009	1530642.1050	553703.1680	NAVD 88
3	New Old-02-070D	MW	2-inch	0.010 PVC	PVC SCH 40	5/7/2009	ATI	H.S.A.	FM	106.87	60.34	55.34	60.34	ACTIVE	STI	6/24/2009	1530576.6400	553705.2770	NAVD 88

MW=Monitoring Well
ATI=Ambient Technologies, Inc.
H.S.A.=Hollow Stem Auger
TOC=Top of Casing
STI=Stillwater Technologies, Inc.
NAVD = North American Vertical Datum

Monitoring wells for Police Academy located on 6/24/09
Horizontal locations based on NAD '83 adjusted to 1990
Elevations Based on NAVD 1988

Inspection Forms

Inspection Forms

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-01A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	16:18
Site Status	Active	**Field Inspector**	Channa Pickett

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	17.00	Survey Northing	1,531,763.6400
Screen Interval (ft)		Survey Easting	553,606.6700
Well Diameter (in)	2	North (decimal degrees)	28.54713321
Well Material	PVC SCH 40	East (decimal degrees)	-81.3194555
Completion Type:	Flush Mount	TOC Elevation	103.68

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	Yes
Well Cover	non-bolting	Replace Well Cover	No
Well Cap	damaged	Replace Well Cap	Yes
Well Lock	Other	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

Clickett

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-02A	**Inspection Date:**	March 14, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Active			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,531,516.11
Screen Interval	NA	Survey Easting	552,788.64
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA

Well Condition		Field Recommendations	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	

Well Photograph

OLD-02-02A with OLD-02-07C to the north (View West)

Well Photograph

OLD-02-02A

Comments

Previously noted as abandoned/destroyed; Found March 14, 2014; Well in fair condition

SIGNITURE

Print	Signature
Matthew Martin (Resolution Consultants)	

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-03A	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Active			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	14.0	Survey Northing	1,530,508.53
Screen Interval	NA	Survey Easting	552,687.71
Well Diameter (in)	2	North (Decimal Degrees)	NA
Well Material	PVC SCH 40	East (Decimal Degrees)	NA
Completion Type	Flush Mount	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	Good	Abandon or Retain	
Well Tag	Missing	Replace Well Pad	
Well Cover	Good	Replace Well Tag	
Well cap	Good	Replace Well Cover	
Well Lock	Missing	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	

Well Photograph	Well Photograph
OLD-02-03A - View looking north	OLD-02-03A - View looking east

Comments	SIGNITURE	
Well covered under 1-2 inches of soil/vegetation	Matthew Martin (Resolution Consultants)	
	Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-05A	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Active			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	12.0	Survey Northing	1,531,056.36
Screen Interval	NA	Survey Easting	552,729.67
Well Diameter (in)	2	North (Decimal Degrees)	28.545177
Well Material	PVC SCH 40	East (Decimal Degrees)	-81.322183
Completion Type	Flush Mount	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	Good	Abandon or Retain	
Well Tag	Loose	Replace Well Pad	
Well Cover	Good	Replace Well Tag	
Well cap	Good	Replace Well Cover	
Well Lock	Missing	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	

Well Photograph	Well Photograph
South view	
	No picture

Comments	SIGNITURE	
Well was dry at the time of survey	Matthew Martin (Resolution Consultants)	
	Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-06A	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,648.16
Screen Interval	NA	Survey Easting	553,330.28
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-07C	**Inspection Date:**	March 14, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	14:45 PM
Site Status:	Active			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,531,523.50
Screen Interval	NA	Survey Easting	552,788.30
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	

Well Photograph

OLD-02-07C with OLD-02-02A to the south (View West)

Well Photograph

OLD-02-07C

Comments	SIGNITURE	
Previously noted as abandoned/destroyed; Found March 14, 2014; Well in fair condition	Matthew Martin (Resolution Consultants)	
	Print	Signature

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-08C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/26/2007
Site Name	Study Area 2	**Inspection Time**	12:32
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	65.00	Survey Northing	1,530,632.7000
Screen Interval (ft)		Survey Easting	552,816.9000
Well Diameter (in)	2	North (decimal degrees)	28.54401695
Well Material	PVC SCH 40	East (decimal degrees)	-81.321906
Completion Type:	Flush Mount	TOC Elevation	111.29

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried pad	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolts missing	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-09A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	16:24
Site Status	Active	**Field Inspector**	Channa Pickett

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	15.00	Survey Northing	1,530,632.4900
Screen Interval (ft)		Survey Easting	552,829.5600
Well Diameter (in)	2	North (decimal degrees)	28.54401647
Well Material	PVC SCH 40	East (decimal degrees)	-81.32186657
Completion Type:	Flush Mount	TOC Elevation	111.32

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Other	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

CPickett

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-010C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,933.54
Screen Interval	NA	Survey Easting	553,356.32
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Listed as destroyed as of 4/30/01 event, ORC Treat. Study July 02 Ttnus		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-11A	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,925.49
Screen Interval	NA	Survey Easting	553,357.01
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Listed as destroyed as of 4/30/01 event, ORC Treat. Study July 02 Ttnus		Matthew Martin (Resolution Consultants)	
		Print	Signature

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-12C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/16/2007
Site Name	Study Area 2	**Inspection Time**	15:17
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	58.00	Survey Northing	1,530,521.9800
Screen Interval (ft)		Survey Easting	552,536.7500
Well Diameter (in)	2	North (decimal degrees)	28.54371036
Well Material	PVC SCH 40	East (decimal degrees)	-81.32277765
Completion Type:	Flush Mount	TOC Elevation	115.02

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	Yes
Well Cover	bolts missing	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW/JC

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-13C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,842.23
Screen Interval	NA	Survey Easting	553,676.67
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Stated as destroyed during construction activities - SA2 Optimization RPT, 4-2010 TtNUS, Listed as abandoned on Well Abandonment RPT Stillwater Tech. July 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-14C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Active			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	56.3	Survey Northing	1,532,049.69
Screen Interval	NA	Survey Easting	553,642.63
Well Diameter (in)	2	North (Decimal Degrees)	NA
Well Material	PVC SCH 40	East (Decimal Degrees)	NA
Completion Type	Flush Mount	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	Good	Abandon or Retain	
Well Tag	Loose	Replace Well Pad	
Well Cover	Good	Replace Well Tag	
Well cap	Good	Replace Well Cover	
Well Lock	Missing	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	

Well Photograph	Well Photograph
OLD-02-14C - Well Tag	OLD-02-14C - View looking east

Comments	SIGNITURE	
Well buried under 4-6 inches of soil/vegetation	Matthew Martin (Resolution Consultants)	
	Print	Signature

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-15A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	11:58
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	0.00	Survey Northing	1,531,282.0000
Screen Interval (ft)	10.01-15	Survey Easting	554,371.3000
Well Diameter (in)	2	North (decimal degrees)	28.54581413
Well Material	PVC SCH 40	East (decimal degrees)	-81.31706988
Completion Type:	Flush Mount	TOC Elevation	99.03

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-16B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	11:57
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	33.00	Survey Northing	1,531,281.6600
Screen Interval (ft)	28-33	Survey Easting	554,368.6600
Well Diameter (in)	2	North (decimal degrees)	28.54581317
Well Material	PVC SCH 40	East (decimal degrees)	-81.3170781
Completion Type:	Flush Mount	TOC Elevation	98.95

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Gray	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-17C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	11:55
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	50.00	Survey Northing	1,531,281.4100
Screen Interval (ft)	45-50	Survey Easting	554,362.8800
Well Diameter (in)	2	North (decimal degrees)	28.54581244
Well Material	PVC SCH 40	East (decimal degrees)	-81.3170961
Completion Type:	Flush Mount	TOC Elevation	98.8

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Gray	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-18B	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,568.20
Screen Interval	NA	Survey Easting	553,587.41
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Location is within parking lot south of building; No visible evidence of well		Matthew Martin (Resolution Consultants)	
		Print	Signature

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-19C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	11:37
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	54.00	Survey Northing	1,530,852.2000
Screen Interval (ft)	49-54	Survey Easting	553,946.9400
Well Diameter (in)	2	North (decimal degrees)	28.54462895
Well Material	PVC SCH 40	East (decimal degrees)	-81.3183881
Completion Type:	Flush Mount	TOC Elevation	101.3

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-20B	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,568.18
Screen Interval	NA	Survey Easting	553,587.41
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned week of May 19,2008 LTR from Stillwater Tech. to FDEP, Stated as destroyed during const. activ. SA2 Optimization RPT, 4-2010 TtNUS		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-21C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,565.54
Screen Interval	NA	Survey Easting	553,591.02
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Located within new parking lot; No evidence of the well is visible		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-23C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,585.20
Screen Interval	NA	Survey Easting	553,504.10
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-24C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,585.00
Screen Interval	NA	Survey Easting	553,497.30
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-25C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,584.10
Screen Interval	NA	Survey Easting	553,489.90
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-26C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,578.70
Screen Interval	NA	Survey Easting	553,488.30
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-27C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,589.70
Screen Interval	NA	Survey Easting	553,488.00
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	

Comments	SIGNITURE	
Abandoned 2008	Matthew Martin (Resolution Consultants)	
	Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-28C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,136.41
Screen Interval	NA	Survey Easting	553,118.02
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-29C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,645.10
Screen Interval	NA	Survey Easting	553,705.42
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	

Comments	SIGNITURE	
Abandoned 2008	Matthew Martin (Resolution Consultants)	
	Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-30C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,620.00
Screen Interval	NA	Survey Easting	553,627.60
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-31C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,624.70
Screen Interval	NA	Survey Easting	553,630.00
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-32C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,629.10
Screen Interval	NA	Survey Easting	553,626.90
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-33C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,645.10
Screen Interval	NA	Survey Easting	553,698.36
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-34C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,788.70
Screen Interval	NA	Survey Easting	553,633.40
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-35C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,514.80
Screen Interval	NA	Survey Easting	553,545.72
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	

Comments	SIGNITURE	
Abandoned 2008	Matthew Martin (Resolution Consultants)	
	Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-36C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,411.30
Screen Interval	NA	Survey Easting	553,358.44
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	

Comments	SIGNITURE	
Abandoned 2008	Matthew Martin (Resolution Consultants)	
	Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-37C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,672.50
Screen Interval	NA	Survey Easting	553,401.84
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-38C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,904.50
Screen Interval	NA	Survey Easting	553,594.30
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-39D	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,672.96
Screen Interval	NA	Survey Easting	553,394.84
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned week of May 19,2008 LTR from Stillwater Tech. to FDEP, Stated as destroyed during const. activ. SA2 Optimization RPT, 4-2010 TtNUS		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-39I	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,683.52
Screen Interval	NA	Survey Easting	553,392.47
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned week of May 19,2008 LTR from Stillwater Tech. to FDEP, Stated as destroyed during const. activ. SA2 Optimization RPT, 4-2010 TtNUS		Matthew Martin (Resolution Consultants)	
		Print	Signature

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-40D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	13:20
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	65.50	Survey Northing	1,530,485.6600
Screen Interval (ft)	60-65	Survey Easting	553,546.4900
Well Diameter (in)	2	North (decimal degrees)	28.54361791
Well Material	PVC SCH 40	East (decimal degrees)	-81.31963234
Completion Type:	Flush Mount	TOC Elevation	108.54

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-40I	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Active			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	54.4	Survey Northing	1,530,468.26
Screen Interval	NA	Survey Easting	553,556.45
Well Diameter (in)	2	North (Decimal Degrees)	NA
Well Material	PVC SCH 40	East (Decimal Degrees)	NA
Completion Type	Flush Mount	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	Good	Abandon or Retain	
Well Tag	Loose	Replace Well Pad	
Well Cover	Good	Replace Well Tag	
Well cap	Good	Replace Well Cover	
Well Lock	Missing	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	

Well Photograph	Well Photograph
OLD-02-40I - View looking north	
	No picture

Comments	SIGNITURE	
	Matthew Martin (Resolution Consultants)	
	Print	Signature

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-41D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	15:57
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	70.00	Survey Northing	1,530,403.3900
Screen Interval (ft)	65-70	Survey Easting	552,914.9200
Well Diameter (in)	2	North (decimal degrees)	28.543387
Well Material	PVC SCH 40	East (decimal degrees)	-81.32159878
Completion Type:	Flush Mount	TOC Elevation	112.635

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-42D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	12:37
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	65.00	Survey Northing	1,530,298.1700
Screen Interval (ft)	60-65	Survey Easting	553,687.7100
Well Diameter (in)	2	North (decimal degrees)	28.54310329
Well Material	PVC SCH 40	East (decimal degrees)	-81.31919093
Completion Type:	Flush Mount	TOC Elevation	107.38

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen, underside of well cover	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

TERRAINE
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-43D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	15:54
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	65.50	Survey Northing	1,530,136.0900
Screen Interval (ft)	60-65	Survey Easting	553,118.0200
Well Diameter (in)	2	North (decimal degrees)	28.54265333
Well Material	PVC SCH 40	East (decimal degrees)	-81.32096396
Completion Type:	Flush Mount	TOC Elevation	111.545

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-43I	**Inspection Date:**	March 14, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Active			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,153.29
Screen Interval	NA	Survey Easting	553,118.20
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	

Well Photograph	Well Photograph
OLD-02-43I (View North)	
	No picture

Comments	SIGNITURE	
	Matthew Martin (Resolution Consultants)	
	Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-44D	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,645.12
Screen Interval	NA	Survey Easting	553,705.42
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-44I	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,657.55
Screen Interval	NA	Survey Easting	553,695.64
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-45D	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,966.04
Screen Interval	NA	Survey Easting	553,697.99
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned week of May 19,2008 LTR from Stillwater Tech. to FDEP, Stated as destroyed during const. activ. SA2 Optimization RPT, 4-2010 TtNUS		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-45I	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,977.31
Screen Interval	NA	Survey Easting	553,689.94
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-46D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/16/2007
Site Name	Study Area 2	**Inspection Time**	15:21
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	70.50	Survey Northing	1,530,129.4600
Screen Interval (ft)	65-70	Survey Easting	552,487.6900
Well Diameter (in)	2	North (decimal degrees)	28.54263044
Well Material	PVC SCH 40	East (decimal degrees)	-81.32292716
Completion Type:	Flush Mount	TOC Elevation	119.335

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW/JC

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-47C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,789.74
Screen Interval	NA	Survey Easting	553,433.49
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Well previouosly located within footprint of building - Inspected interior of building in the location where well was located - no sign of the well		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-47D	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,789.49
Screen Interval	NA	Survey Easting	553,433.45
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Well previouosly located within footprint of building - Inspected interior of building in the location where well was located - no sign of the well		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-47V	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,789.24
Screen Interval	NA	Survey Easting	553,433.19
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Well previouosly located within footprint of building - Inspected interior of building in the location where well was located - no sign of the well		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID:**	OLD-02-48C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,965.97
Screen Interval	NA	Survey Easting	553,692.14
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned week of May 19,2008 LTR from Stillwater Tech. to FDEP, Stated as destroyed during const. activ. SA2 Optimization RPT, 4-2010 TtNUS		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-48D	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	No coordinates
Screen Interval	NA	Survey Easting	No coordinates
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID:**	OLD-02-49C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Well Type**	MW	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,645.11
Screen Interval	NA	Survey Easting	553,698.36
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-50C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	12:14
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	45.50	Survey Northing	1,530,303.9400
Screen Interval (ft)	40-45	Survey Easting	553,688.3900
Well Diameter (in)	2	North (decimal degrees)	28.54311916
Well Material	PVC SCH 40	East (decimal degrees)	-81.31918886
Completion Type:	Flush Mount	TOC Elevation	107.31

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen, underside of well cap	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID:**	OLD-02-51C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Well Type**	MW	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,514.82
Screen Interval	NA	Survey Easting	553,545.72
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-52C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	16:01
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	50.50	Survey Northing	1,530,411.2600
Screen Interval (ft)	45-50	Survey Easting	553,358.4400
Well Diameter (in)	2	North (decimal degrees)	28.54341191
Well Material	PVC SCH 40	East (decimal degrees)	-81.32021743
Completion Type:	Flush Mount	TOC Elevation	112.01

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen,properly attached,standard t	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID:**	OLD-02-53C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Well Type**	MW	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,672.50
Screen Interval	NA	Survey Easting	553,401.84
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned week of May 19,2008 LTR from Stillwater Tech. to FDEP, Stated as destroyed during const. activ. SA2 Optimization RPT, 4-2010 TtNUS		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID:**	OLD-02-54D	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Well Type**	MW	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,529,626.28
Screen Interval	NA	Survey Easting	552,519.07
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Stated as suspected of being destroyed in SA2 Optimization RPT, 4-2010 TtNUS, Listed as abandoned on Well Abandonment RPT Stillwater Tech. July 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-02-55D	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Site name:**	SA 2	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Active			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	68.2	Survey Northing	1,529,958.69
Screen Interval	NA	Survey Easting	553,233.02
Well Diameter (in)	2	North (Decimal Degrees)	NA
Well Material	PVC SCH 40	East (Decimal Degrees)	NA
Completion Type	Flush Mount	TOC Elevation	NA

Well Condition		Field Recommendations	
Well Pad	Good	Abandon or Retain	
Well Tag	Loose	Replace Well Pad	
Well Cover	Good	Replace Well Tag	
Well cap	Good	Replace Well Cover	
Well Lock	Missing	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	

Well Photograph	Well Photograph
South view - Keyhole in background	North view - Building in background

Comments	SIGNITURE	
Well covered under 1-2 inches of soil/vegetation	Matthew Martin (Resolution Consultants)	
	Print	Signature

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

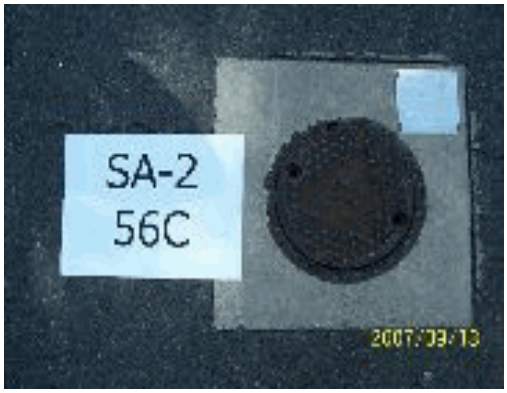
TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-56C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	11:42
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	40.00	Survey Northing	1,531,058.5100
Screen Interval (ft)	35-40	Survey Easting	553,953.4200
Well Diameter (in)	2	North (decimal degrees)	28.54519641
Well Material	PVC SCH 40	East (decimal degrees)	-81.31836962
Completion Type:	Flush Mount	TOC Elevation	98.89

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH



COMMENTS

SIGNATURE

LW

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-57C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	11:50
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	40.00	Survey Northing	1,531,281.4500
Screen Interval (ft)	35-40	Survey Easting	554,354.2500
Well Diameter (in)	2	North (decimal degrees)	28.54581249
Well Material	PVC SCH 40	East (decimal degrees)	-81.31712298
Completion Type:	Flush Mount	TOC Elevation	98.57

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-58C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	11:46
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	40.00	Survey Northing	1,531,281.2400
Screen Interval (ft)	35-40	Survey Easting	554,005.6900
Well Diameter (in)	2	North (decimal degrees)	28.54580937
Well Material	PVC SCH 40	East (decimal degrees)	-81.31820865
Completion Type:	Flush Mount	TOC Elevation	96.56

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-59D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	10:16
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	60.00	Survey Northing	1,530,369.9100
Screen Interval (ft)	55-60	Survey Easting	553,943.0300
Well Diameter (in)	2	North (decimal degrees)	28.54330246
Well Material	PVC SCH 40	East (decimal degrees)	-81.31839629
Completion Type:	Flush Mount	TOC Elevation	102.64

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-60C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	11:34
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	45.00	Survey Northing	1,530,699.0800
Screen Interval (ft)	40-45	Survey Easting	553,945.7100
Well Diameter (in)	2	North (decimal degrees)	28.54420781
Well Material	PVC SCH 40	East (decimal degrees)	-81.31839066
Completion Type:	Flush Mount	TOC Elevation	101.58

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-61E / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	15:54
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	0.00	Survey Northing	1,530,142.4100
Screen Interval (ft)		Survey Easting	553,118.5400
Well Diameter (in)	0	North (decimal degrees)	28.54267072
Well Material	PVC SCH 40	East (decimal degrees)	-81.3209624
Completion Type:	Flush Mount	TOC Elevation	111.1

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID:**	OLD-02-62E	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Well Type**	MW	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,650.39
Screen Interval	NA	Survey Easting	553,698.29
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned 2008		Matthew Martin (Resolution Consultants)	
		Print	Signature

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-63D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	12:11
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	60.00	Survey Northing	1,530,440.6800
Screen Interval (ft)	55-60	Survey Easting	554,460.8800
Well Diameter (in)	2	North (decimal degrees)	28.54350088
Well Material	PVC SCH 40	East (decimal degrees)	-81.31678394
Completion Type:	Flush Mount	TOC Elevation	101.23

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Other, W/B	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-64D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	12:00
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	60.00	Survey Northing	1,530,883.4100
Screen Interval (ft)	55-60	Survey Easting	554,457.2100
Well Diameter (in)	2	North (decimal degrees)	28.5447185
Well Material	PVC SCH 40	East (decimal degrees)	-81.31679901
Completion Type:	Flush Mount	TOC Elevation	99.43

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-02-65C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/13/2007
Site Name	Study Area 2	**Inspection Time**	12:09
Site Status	Active	**Field Inspector**	Larry Wolski

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	40.00	Survey Northing	1,530,890.2800
Screen Interval (ft)	35-40	Survey Easting	554,457.4000
Well Diameter (in)	2	North (decimal degrees)	28.5447374
Well Material	PVC SCH 40	East (decimal degrees)	-81.31679848
Completion Type:	Flush Mount	TOC Elevation	99.48

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Other, W/B	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

LW

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID:**	OLD-02-66C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Well Type**	MW	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,646.43
Screen Interval	NA	Survey Easting	553,432.55
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Located within parking lot; No sign of wells at all; Assume abandoned		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID:**	OLD-02-66D	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Well Type**	MW	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	No coordinates
Screen Interval	NA	Survey Easting	No coordinates
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID:**	OLD-02-66V	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Well Type**	MW	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,647.11
Screen Interval	NA	Survey Easting	553,432.70
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Located within parking lot; No sign of wells at all; Assume abandoned		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

Facility Name:	NTC, Orlando	**Well ID:**	OLD-02-67C	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Well Type**	MW	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,654.06
Screen Interval	NA	Survey Easting	553,439.01
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned week of May 19,2008 LTR from Stillwater Tech. to FDEP, Stated as destroyed during const. activ. SA2 Optimization RPT, 4-2010 TtNUS		Matthew Martin (Resolution Consultants)	
		Print	Signature

WELL INSPECTION REPORT

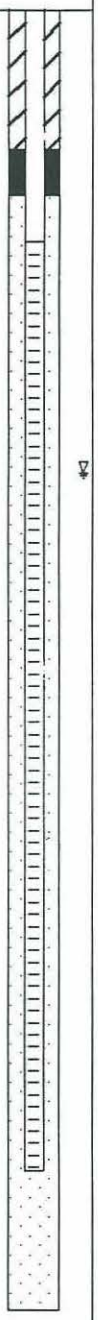
Facility Name:	NTC, Orlando	**Well ID:**	OLD-02-67D	**Inspection Date:**	February 3, 2014
Facility Location:	Orlando, FL 32813	**Well Type**	MW	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Abandoned			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth (ft)	NA	Survey Northing	1,530,653.93
Screen Interval	NA	Survey Easting	553,439.20
Well Diameter (in)	NA	North (Decimal Degrees)	NA
Well Material	NA	East (Decimal Degrees)	NA
Completion Type	NA	TOC Elevation	NA
Well Condition		**Field Recommendations**	
Well Pad	NA	Abandon or Retain	
Well Tag	NA	Replace Well Pad	
Well Cover	NA	Replace Well Tag	
Well cap	NA	Replace Well Cover	
Well Lock	NA	Replace Well Cap	
Protective Casing	NA	Replace Well Lock	
		Replace Protective Casing	
Well Photograph		**Well Photograph**	
No picture		**No picture**	
Comments		**SIGNITURE**	
Abandoned week of May 19,2008 LTR from Stillwater Tech. to FDEP, Stated as destroyed during const. activ. SA2 Optimization RPT, 4-2010 TtNUS		Matthew Martin (Resolution Consultants)	
		Print	Signature

Boring Logs

Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-01A
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO-107
Contractor: GEOTEK		**Date started:** 05/15/95	**Compltd:** 05/15/95
Method: Hollow stem auger	**Casing Size:** 2 in.	**Screen Int.:** 10 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** Porta FID	**Total depth:** 14Ft.	**Dpth to ∇** 5 Ft.
Logged by: M. Hawes	**Well Development Date:**		**Well ID:** OLD-17-01A

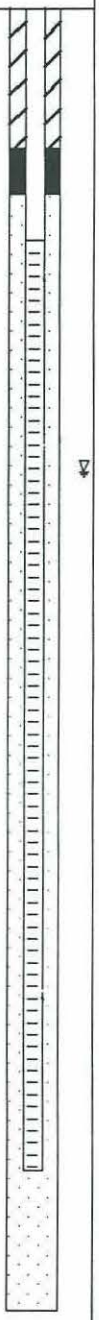
Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					QUARTZ SAND: Gray, fine, silty		SM	
					QUARTZ SAND: Tan, silty, good to moderate rounding			
	17B00101 (4-6')			0				10,15
5			90%					16,32
	17B00101MS 17B00101MSD (8-10')			0	SAND: Lenses of coarse white sand interlayered with fine, brown, clayey-silty sand			8,12
			90%					10,10
				0				10,13
			90%					9,12
10				0				6,8
			90%		SILTY SAND: Light brown, fine, good sorting, good to moderate rounding			12,10
				0				8,8
			90%					11,10
					TD			
15								



HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-02A
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO-107
Contractor: GEOTEK		**Date started:** 05/14/95	**Compltd:** 05/14/95
Method: Hollow stem auger	**Casing Size:** 2 in.	**Screen Int.:** 10 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** Porta FID	**Total depth:** 14Ft.	**Dpth to ⊻** 5 Ft.
Logged by: M. Hawes	**Well Development Date:**		**Well ID:** OLD-17-02A

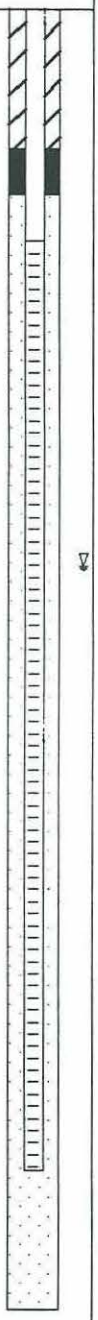
Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Asphalt			
					QUARTZ SAND: Brown, fine, silty		SM	
	17B00201 (4-8')			0	QUARTZ SAND: Tan, fine, silty, good to moderate rounding			5,5
5			75%					8,14
				0				2,5
			85%					7,9
				0				4,8
			90%		QUARTZ SAND: Off-white, fine, silty, good to moderate rounding			5,8
10				0				5,7
			90%					13,22
				0				4,4
			80%					5,7
					TD			
15								



HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-03A
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO-107
Contractor: GEOTEK		**Date started:** 05/18/95	**Compltd:** 05/18/95
Method: Hollow stem auger	**Casing Size:** 2 in.	**Screen Int.:** 10 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** Porta FID	**Total depth:** 14Ft.	**Dpth to ∇** 6 Ft.
Logged by: M. Hawes	**Well Development Date:**		**Well ID:** OLD-17-03A

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Asphalt			
				0	QUARTZ SAND: Dark brown, fine		SP	
				0				
	17B00301 (4-6')				QUARTZ SAND: Tan, fine, silty, good to moderate rounding		SM	18,18
5			80%	0				20,22
								5,8
			90%	0				10,11
								4,5
			90%	0				5,7
10								5,8
			90%	0				11,12
								4,5
			90%	0				5,7
					TD			
15								



HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-04A
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO-107
Contractor: GEOTEK		**Date started:** 05/18/95	**Compltd:** 05/18/95
Method: Hollow stem auger	**Casing Size:** 2 in.	**Screen Int.:** 10 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** Porta FID	**Total depth:** 14Ft.	**Dpth to ∇** 5 Ft.
Logged by: M. Hawes	**Well Development Date:**		**Well ID:** OLD-17-04A

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Limestone rock			
					QUARTZ SAND: Dark brown, fine		SP	
					QUARTZ SAND: Tan, fine, silty, good to moderate rounding		SM	
	17B00401 (4-6')							12,20
5			70%	0				24,22
								5,8
			80%	0				7,13
								4,4
			80%	0				8,9
10								4,7
			90%	0				6,7
								5,7
			90%	10				9,0
					TD			
15								

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17	**Boring No.:** OLD-17-06A
Client: SOUTHDIVNAVFACENGCOM		**Job No.:** CTO-107
Contractor: ABB-ES	**Date started:** 01/23/97	**Compltd:** 01/23/97
Method: Terra Probe	**Casing Size:** 0.5 in. / **Screen Int.:** 9 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** / **Total depth:** 11Ft.	**Dpth to ∇** Ft.
Logged by:	**Well Development Date:**	**Well ID:** OLD-17-06A

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					1/2-in. ID microwell was installed using TerraProbe.			
5								
10								
					TD			
15								

HLA-ES

Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-10C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: Custom		**Date started:** 02/04/97	**Compltd:** 02/04/97
Method: SPT	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 60Ft.	**Dpth to ▽** 6 Ft.
Logged by: JN	**Well Development Date:**		**Well ID:** OLD-17-10C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Begin sample collection at base of existing OLD-17-04 boring/well.			
5								
10								
				0	Light gray silty fine sand, wet.		SP	7,7,6,5
			95%	0				4,4,3,2
15			95%	0				3,2,2,10
			10%	0				2,2,6,4
			60%	0				2,2,5,5
20			100%	0				8,6,2,1
			95%	0				1,1,1,2
25			70%	0	Light gray silty fine sand with clay, dry.		SP/SC	2,2,1,1
			100%	0				5,8,7,11
			90%	0	Light gray silty fine sand, wet.		SP	4,4,6,7
30			50%	0				2,4,6,6
			50%	0				5,4,5,10
35			45%					

HLA-ES

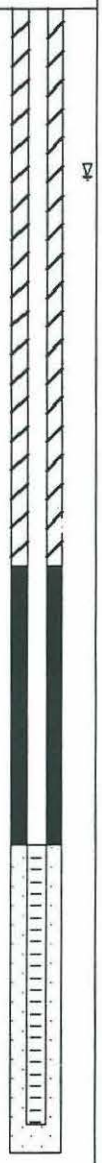
Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-10C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: Custom		**Date started:** 02/04/97	**Compltd:** 02/04/97
Method: SPT	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 60Ft.	**Dpth to ∇** 6 Ft.
Logged by: JN	**Well Development Date:**		**Well ID:** OLD-17-10C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			45%	0			SP	6,10,14,13
			60%	0				5,4,2,4
			70%	0				5,4,5,5
40			70%	0				6,8,7,4
			60%	0				NS
			0	0				1,2,2,4
45			100%	0	Dark gray wandy clay, soft, low plasticity, hard brown nodules after 3".		SC	1,0,0,1
			100%	0				NS
50			0					0,0,0,0
			100%					3,2,2,1
55			100%		Green silty clay, stiff, low plasticity (Hawthorne).		CL	6,10,13,13
			100%					2,3,4,6
			100%		Green silty clay.		CL/SC	
60					TD			
65								
70								

HLA-ES

Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-13B
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 04/28/98	**Compltd:** 04/28/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 20Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-13B

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				0	Gray to brown silty, fine-grained sand, Soft, loose, poorly sorted.		SP	28,32,20,21
5			50%					
				0				28,24,28,28
			100%					
				0				12,12,14,14
			50%					
10				0				8,8,8,8
			90%					
				0				8,8,5,5
			90%					
				0				5,4,5,6
15			80%					
				0				5,5,5,5
			80%					
				0				4,4,3,3
			60%					
20					TD			
25								



HLA-ES

Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-14C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 04/28/98	**Compltd:** 04/28/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 80Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-14C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				0	Brown, tan, gray, silty fine sand. Soft, loose.		SP	26,32,20,21
5			50%	0				26,24,26,28
			100%	0				12,12,14,14
			50%	0				8,8,8,8
10			90%	0				6,6,5,5
			90%	0				5,4,5,6
			80%	0				5,5,5,5
15			80%	0				4,4,3,3
			60%	0				3,3,3,3
20			60%	0				3,3,2,2
			70%	0				1,1,2,2
25			80%	0				3,3,3,2
			70%	0				4,3,10,10
			70%	0				3,3,3,3
30			50%	0	Olive green clayey, silty sand.		SC	5,8,20,20
			80%	0	Light brown silty fine sand with stringers of olive green silty fine- to coarse sand.		SP	8,10,10,11
35			40%					

HLA-ES

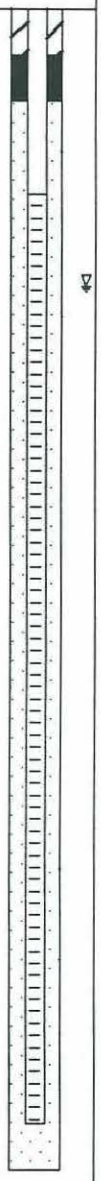
Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-14C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 04/28/98	**Compltd:** 04/28/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 60Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-14C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			40%	0			SP	7,8,9,8
			40%	0				5,5,5,5
			70%	0				3,2,6,6
40			90%	0				6,6,7,1
			70%	0				7,7,6,7
45			60%	0				5,6,6,5
			70%	0				3,5,5,7
			80%	0	Olive green clayey, silty fine sand.			1,1,1,1
50			80%	0				2,1,3,3
			80%	0				1,2,1,1
55			80%	0				2,1,8,10
			80%	0	Dark green silty, sandy clay. Dry, soft, low plasticity.		SP/SC	10,11,10,11
60			80%		TD			
65								
70								

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-15A
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 04/28/98	**Compltd:** 04/28/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 10 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 12.5Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-15A

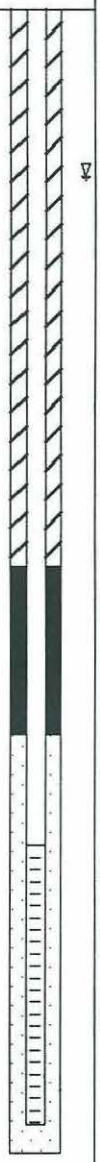
Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
			80%	0	Light brown, silty, fine-grained sand. Soft, loose, poorly sorted.		SP	12,12,12,14
5			80%	0				10,10,8,8
			100%	0				10,10,10,10
10			90%	0				3,3,3,3
					TD			
15								



HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-16B
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 04/29/98	**Compltd:** 04/29/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 20.5Ft.	**Dpth to ▽** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-16b

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				0	Light brown, silty, fine-grained sand. Soft, loose, poorly sorted.		SP	12,12,12,14
5			80%	0				10,10,8,8
			80%	0				10,10,10,10
			100%	0				3,3,3,3
10			90%	0				3,3,3,3
			80%	0				1,1,3,3
15			90%	0				4,6,4,5
			100%	0				5,5,5,5
20			90%		TD			
25								



HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-17C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 04/29/98	**Compltd:** 04/29/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 58Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-17C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				0	Light brown, silty, fine-grained sand. Soft, loose, poorly sorted.		SP	12,12,12,14
5			80%	0				10,10,8,8
			80%	0				10,10,10,10
			100%	0				3,3,3,3
10			90%	0				3,3,3,3
			80%	0				1,1,3,3
			90%	0				4,6,4,5
15			100%	0				5,5,5,5
			90%	0				3,3,1,1
20			100%	0				1,1,1,1
			100%	0				1,1,1,2
			100%	0	As above, with interbedded layers of light green sandy silt.		SP/SC	6,6,7,7
25			80%	0				7,8,9,9
			90%	0			SP	2,2,7,8
30								

HLA-ES

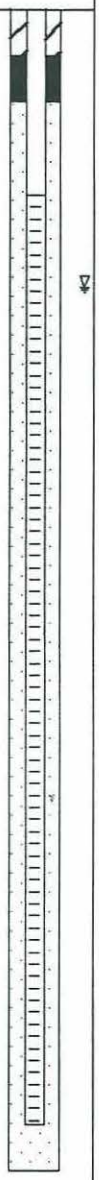
Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-17C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 04/29/98	**Compltd:** 04/29/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 58Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-17C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			40%		Light brown, silty, fine-grained sand. Slightly cemented with iron staining.		SP	
				0				8,10,10,12
			50%					
				0				8,8,8,8
35			80%					
				0				2,3,4,5
			80%					
				0				2,4,4,4
			80%		Above grades into light green clayey, silty, fine- to coarse-grained sand with phosphate nodules.		SP/SC	
40				0				1,1,1,5
			25%					
				0				9,9,9,14
			50%					
				0				5,5,5,5
45			75%					
				0				4,5,5,4
			80%					
				0				2,2,3,3
			90%					
50				0				5,3,2,1
			80%					
				0				1,1,1,1
			80%				CL	
				0				1,1,3,8
55			80%		Light green silt/clay/sand.		SP/SC	
				0				3,8,7,9
			80%					
					TD			
60								

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-18A
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 04/30/98	**Compltd:** 04/30/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 10 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 12Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-18A

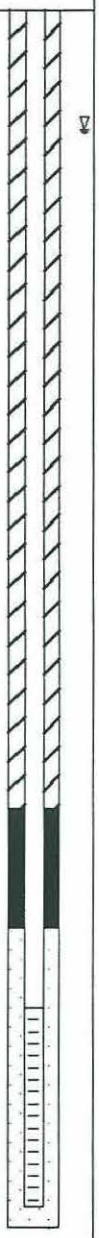
Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				NA*	Light brown, gray, silty fine-grained sand. Soft, loose, poorly sorted.		SP	8,8,10,10
5			30%					
				NA				7,7,7,7
			100%					
				NA				10,11,18,20
			100%					
10				NA				8,10,12,18
			70%					
					TD			
					* FID out of order			
15								



HLA-ES

Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-19B
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/01/98	**Compltd:** 05/01/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 30Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-19B

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				NA*	Light brown, gray, silty fine-grained sand. Soft, loose, poorly sorted.		SP	8,8,10,10
5			30%					
				NA				7,7,7,7
			100%					
				NA				10,11,18,20
			100%					
10				NA				8,10,12,18
			70%					
				NA				10,7,8,10
			80%					
				NA				10,6,8,10
15			100%					
				NA				8,3,3,4
			100%					
				NA				8,3,5,4
			100%					
20				NA				8,5,5,4
			100%		Brown sandy silt, soft.		SC	
				NA				2,3,6,8
			80%					
				NA	Light brown silty sand.		SP	7,7,10,12
25			90%					
				NA				6,6,7,8
			100%					
				0				7,5,6,6
			100%		Brown sandy silt.		SC	
30					TD			
					* FID out of order			
35								



HLA-ES

Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-20C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/01/98	**Compltd:** 05/01/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 82Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-20C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				NA*	Light brown, gray, silty fine-grained sand. Soft, loose, poorly sorted.		SP	8,8,10,10
5			30%					
				NA				7,7,7,7
			100%					
				NA				10,11,18,20
			100%					
10				NA				8,10,12,18
			70%					
				NA				10,7,8,10
			80%					
				NA				10,8,8,10
15			100%					
				NA				8,3,3,4
			100%					
				NA				8,3,5,4
			100%					
20				NA	Brown sandy silt, soft.		SC	8,5,5,4
			100%					
				NA				2,3,6,8
			80%					
				NA	Light brown silty sand.		SP	7,7,10,12
25			90%					
				NA				8,8,7,8
			100%					
				0				7,5,8,8
			100%		Brown sandy silt.		SC	
30				1.1				2,1,1,2
			100%					
				0.8	Light brown silty, fine-grained sand with interbedded olive green silty sand, soft, stiff in places.		SP	1,4,8,9
			100%					
				0.8				8,10,10,14
35			100%					

HLA-ES

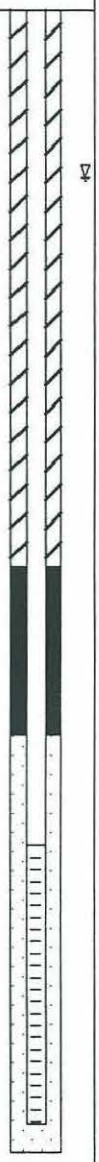
Project: BRAC NTC Orlando	**Site:** S.A. 17	**Boring No.:** OLD-17-20C
Client: SOUTHDIVNAVFACENGCOM		**Job No.:** CTO 107
Contractor: GP	**Date started:** 05/01/98	**Compltd:** 05/01/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 82Ft.	**Dpth to ▽** 3 Ft.
Logged by: MCT	**Well Development Date:**	**Well ID:** OLD-17-20C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			100%	0.4			SP	6,8,11,17
			100%	0.4				12,14,18,16
			80%	0				5,6,8,8
40			30%	0				6,8,10,10
			50%	0				7,8,15,12
			50%	0				7,8,10,18
45			60%	0				4,3,1,8
			60%	0				1,1,1,1
50			100%	0	Dark green clayey silt with sand. Soft, wet.		SC	2,1,2,1
			100%	0				1,2,2,3
55			100%	0				1,2,3,1
			100%	0	(Hawthorn)			1,2,1,2
60			100%	0	Dark green clay. Soft, wet, low plasticity.		CL	1,2,1,1
			100%		TD			
65								
70					* FID out of order			

HLA-ES

Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-21B
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/05/98	**Compltd:** 05/05/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 20.5Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-21B

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				0	Brown, gray, silty, fine-grained sand. Soft, loose, poorly sorted.		SP	6,10,10,12
5			90%					
				0				7,10,12,12
			90%					
				0				8,10,12,14
			90%					
10				0				6,6,8,6
			90%					
				0				6,5,4,4
			90%					
				0				4,6,4,5
15			100%					
				0				3,5,4,5
			90%					
				0				3,6,8,9
			90%					
20								
					TD			
25								



HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-22C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/04/98	**Compltd:** 05/04/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 80Ft.	**Dpth to ▽** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-22C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				0	Brown, gray, silty, fine-grained sand. Soft, loose, poorly sorted.		SP	8,10,10,12
5			90%	0				7,10,12,12
			90%	0				8,10,12,14
			90%	0				6,6,8,6
10			90%	0				6,5,4,4
			90%	0				4,6,4,5
			100%	0				3,5,4,5
15			90%	0				3,6,8,9
			90%	0				3,5,4,4
20			90%	0				2,2,2,2
			90%	0				1,1,2,2
25			90%	0	As above, with interbedded layers of light green sandy silt.		SP/SC	1,2,2,3
			90%	0				2,2,2,3
			60%	0	Light brown silty, fine-grained sand, slightly cemented with iron staining.		SP	1,3,4,8
30			60%	0				1,3,4,8
			60%	0				4,8,8,9
35			60%					

HLA-ES

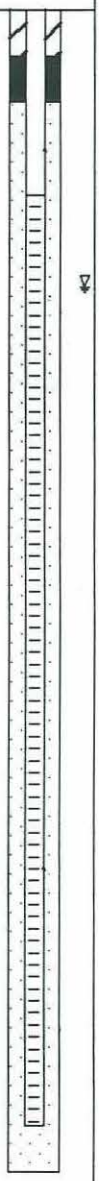
Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-22C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/04/98	**Compltd:** 05/04/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 80Ft.	**Dpth to ▽** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-22C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			60%	0			SP	2,5,10,12
			60%	0				3,6,3,3
			80%	0				2,1,2,2
40			70%	0	Above grades into light green clayey, silty, fine-grained sand.		SP/SC	1,2,3,5
			70%	0				1,1,2,2
45			80%					No Recovery
			NA	0				1,2,2,3
			80%					No Recovery
50			NA	0				1,1,1,1
			80%	0	Alternating layers of dark green silty clay and clayey silt. Clay moderately stiff, low plasticity.		SC/CL	2,2,3,2
55			90%	0				2,3,5,10
			90%	0				3,3,5,7
			70%		Light green clay/silt/sand.		SC	
60					TD			
65								
70								

HLA-ES

Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-23A
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/05/98	**Compltd:** 05/05/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 10 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 12.5Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-23A

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Refer to CPT log for 17G016.			
					Log used to determine well construction.			
5								
10								
					TD			
15								



HLA-ES

OCD 17-23-A-R

Geo-Cleanse International, Inc. • 4 Mark Road, Suite C • Kenilworth, NJ 07033
Telephone (908) 206-1250 • Fax (908) 206-1251 • E-mail geocleanse@earthlink.net

Soil Boring Log

Project: NTC
Location: ORLANDO, FL
Page 1 of 1
Date: 9/26/00

Consultant / Rep(s): CH2M-HILL
GCI Rep(s): ESE: T.W. KNOEDLER
Drilling Contractor: Precision Sampling
Driller / Helper: THARP / ALLEN / SINGLETON
Drill Rig / Method: HSA 4 1/4" ID, B3500 MOBILE

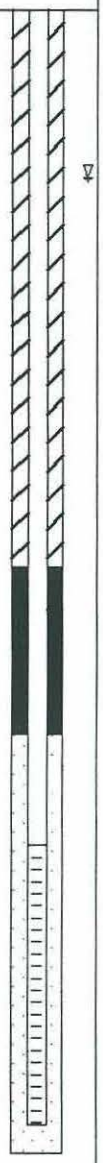
Well No.: OCD 17-23-A-R
Boring No.: —
Injector No.: —
PID Type: Thermo
PID Lamp: 11.6

Approx. Location: See Map (2'S of former loc.)

Depth (feet)	Sample Interval	Recovery (Inches)	Sample ID #	Blows per 6"	PID (ppm)	Moisture Content	Depth of Change	Soil Description	Remarks	Well Construct
1								Grout		
2										
3								Bentonite		
4										
5								RISER		
6										
7					0.0			Sand		
8										
9										
10										
11										
12										
13							10'	SCREEN BOTTOM OF SCREEN: 11.5' BLS		
14									BOH: 12.5' BLS	
15								SPECIFICATIONS:		
								STICK-UP: FLUSH		
								GROUT: ~~BAROID~~ HOLNAM PORTLAND TYPE I		
								GEL: BAROID ~~HOLNAM~~ QUICK-gel		
								Bentonite: Baroid 3/8" Chips		
								Sand: Standard Sand & Silica Co. 20/30 4 bags.		
								2" RISER: #304SS COOK SCREEN TECHNOLOGIES, INC 5' SECTIONS, MILL THREADED FLUSH		
								2" SCREEN: 0.010 SLOT #304 SS COOK SCREEN TECH, INC, 10'x2"		

Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-24B
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/05/98	**Compltd:** 05/05/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 20Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-24B

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Refer to CPT log for 17Q018.			
					Log used to determine well construction.			
5								
10								
15								
20					TD			
25								



HLA-ES

OLD 17-24B-R

Geo-Cleanse International, Inc. • 4 Mark Road, Suite C • Kenilworth, NJ 07033
Telephone (908) 206-1250 • Fax (908) 206-1251 • E-mail geocleanse@earthlink.net

Soil Boring Log

Project: NTC
Location: ORLANDO FL

Date: 09/26/00

Consultant / Rep(s): CH2M-HILL (FERRIERLA)
GCI Rep(s): ESE: T.W. KNOEDLER
Drilling Contractor: Precision Sampling
Driller / Helper: THARP / ALLEN / SINGLETON
Drill Rig / Method: HSA 4 1/4" ID, P3500 MOBILE

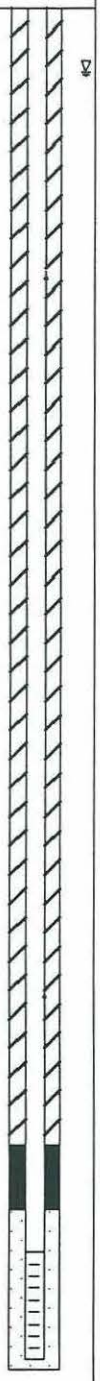
Well No.: OLD-17 24B-R
Boring No.: —
Injector No.: —
PID Type: Thermo
PID Lamp: 11.6

Approx. Location: See Map (2' S. of ORIGINAL LOCATION)

Depth (feet)	Sample Interval	Recovery (Inches)	Sample ID #	Blows per 6"	PID (ppm)	Moisture Content	Depth of Change	Soil Description	Remarks	Well Construct
1								NOT SAMPLED		GROUT TO SURFACE
2										
3										
4								STICK UP: FLUSH		
5										
6								2" RISER: #304 SS, COOK SCREEN TECH, INC, (5' SECTIONS FLUSH MILL THREAD)		15' RISER
7										
8										
9								GROUT HOLNAM PORTLAND TYPE I		
10										
11										
12										
13								GEL BAROID ~~HOLEPLUG~~ QUICK GEL		
14					0.0					
15					1358					
16								1' BENTONITE BAROID 3/8" Chip		
17										
18										
19								6' SAND STANDARD Sand & Silica Co. 20/30 Silica 4 bags		
20									TD: 20'	
								SCREEN COOK SCREEN TECHNOLOGIES, INC, (SIDEWINDER ENVIRONMENTAL SCREEN) 2" ID x 5', Stainless Steel - #304 0.010 SLOT, INTERVAL 15-20' BLS.		
								INSTALLED 2' SOUTH OF FORMER LOCATION		

Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-25C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/07/98	**Compltd:** 05/07/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 63Ft.	**Dpth to ▽** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-25c

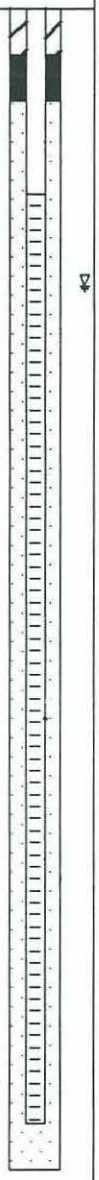
Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Refer to CPT log for 17Q018.			
					Log used to determine well construction.			
5								
10								
15								
20								
25								
30								
35								
40								
45								
50								
55								
60								
65					TD			



HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-28A
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/05/98	**Compltd:** 05/05/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 10 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 12.5Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-28A

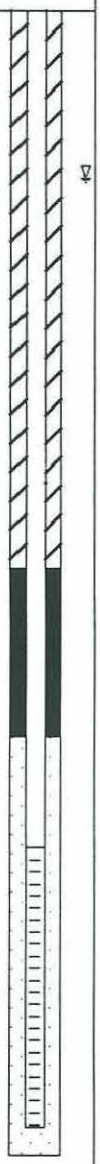
Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Refer to CPT log for 17Q003.			
					Log used to determine well construction.			
5								
10								
					TD			
15								



HLA-ES

Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-27B
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/05/98	**Compltd:** 05/05/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 20.5Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-27B

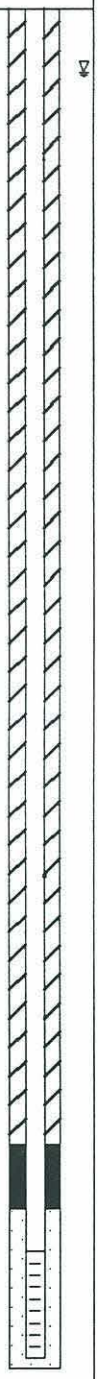
Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Refer to CPT log for 17Q003.			
					Log used to determine well construction.			
5								
10								
15								
20								
					TD			
25								



HLA-ES

Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-28C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/07/98	**Compltd:** 05/07/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 83Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-28C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Refer to CPT log for 17Q003.			
					Log used to determine well construction.			
5								
10								
15								
20								
25								
30								
35								
40								
45								
50								
55								
60								
65					TD			



HLA-ES

BORING LOG

Borehole ID: OLD-17-34A
Sheet 1 of 1

			Location: OLD-17-34A	
Project Name: NTC-ORLANDO	Project Number: 152044.31.02.05.02	LTCCODE (IRPIMS): MNW	Site ID: SA17	LPRCODE (IRPIMS): I
Drilling Company: Precision	Driller: Mike Millican	Ground Elevation: NSYet	Total Drilled Depth: 17' 6/s	
Drilling Equipment: HSA	Drilling Method: HSA	Borehole Diameter: 10"	Date/Time Drilling Started: 3-27-00	Date/Time Total Depth Reached: 3-27-00
Type of Sampling Device: 2" Split Spoons		Water Level (bgs): First	Final	
Sample Hammer: Type / Driving Wt. / Drop		Hydrogeologist: J. OTTOSON	Checked by/Date	

Location Description (include sketch in field logbook)

Depth ft	Interval	Recovery	Blow Counts	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Lithology	Water Content	Remarks (Include all sample types & depth, odor, organic vapor measurements, etc.)
0			G R A B	Mottled Very Pale Brown (10YR 8/2) and Brownish Yellow (10YR 6/6), loose, moist, fine sand, little med. sand, trace silt (10%), subangular, no odor, no discoloration	SM		MOIST	OH (overhole) = 0.0 ppm HS (headspace) = 0.0 Temp = 80°F
4								
9.5			5 8 7 6	Light Brownish Gray (10YR 6/2), loose, wet, fine silty sand (≈ 30% silt), little med sand, subangular, no odor, no discoloration	SM		WET	OH = 0.2 ppm HS = 0.0 ppm Temp = 80°
11.5								
14.5			6 6 6 4	Grayish Brown (10YR 5/2), med dense, saturated, fine to med silty sand (≈ 30% silt), little coarse sand, subangular, no odor, no discoloration	SM		SATURATED	OH = 0.3 ppm HS = 2.4 ppm Temp = 79°
16.5								

BORING LOG

Borehole ID: OLD-17-35B
Sheet 1 of 1

			Location: OLD-17-35B	
Project Name: NTC-ORLANDO	Project Number: 152044.31.02.05.02	LTCCODE (IRPIMS): MNW	Site ID: SA17	LPRCODE (IRPIMS): I
Drilling Company: PRECISION	Driller: Mike Millican	Ground Elevation: NS yet	Total Drilled Depth: 22' bls	
Drilling Equipment: HSA / Drilling Method: HSA / Borehole Diameter: 10"		Date/Time Drilling Started: 3-27-00	Date/Time Total Depth Reached: 3-27-00	
Type of Sampling Device: 2" Split Spoons		Water Level (bgs): First / Final		
Sample Hammer: Type / Driving Wt. / Drop		Hydrogeologist: J. OTTOSON	Checked by/Date	
Location Description (include sketch in field logbook)				

Depth	Interval	Recovery	Blow Counts	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Lithology	Water Content	Remarks (Include all sample types & depth, odor, organic vapor measurements, etc.)
0			GRAB	Mottled Very Pale Brown (10YR 8/2) and Brownish Yellow (10YR 6/6), loose, moist, fine sand, little med sand, trace silt (10%), subangular, no odor, no discoloration	SM		MOIST	OH = 0.0 ppm HS = 0.0 ppm Temp = 80°
4								
9.5			5 11 8	Light Brownish Gray (10YR 6/2), wet, med dense, fine silty sand (≈30% silt), little med sand, subangular, no odor, no discoloration	SM		WET	OH = 0.2 ppm HS = 0.0 ppm Temp = 79°
			8					
11.5								
14.5			6 5 4	Grayish Brown (10YR 5/2), saturated, med dense, fine to med silty sand, little coarse sand, subangular, no odor, no discoloration	SM		SATURATED	OH = 0.2 ppm HS = 0.0 ppm Temp = 79°
			5					
16.5								
19.5			4 5 5	same as 14.5-16.5' above	SM		SAT.	OH = 0.3 ppm HS = 13.1 ppm Temp = 79°
21.5			3					

BORING LOG

Borehole ID: OLD-17-36B
Sheet 1 of 2

			Location: OLD-17-36B	
Project Name: NTC-Orlando	Project Number: 152044.31.	LTCCODE (IRPIMS): MNW	Site ID: SA17	LPRCODE (IRPIMS): I
Drilling Company: PRECISION	Driller: MIKE MILLICAN	Ground Elevation: NSY	Total Drilled Depth: 30.5' bls	
Drilling Equipment: HSA / Drilling Method: HSA / Borehole Diameter: 10"		Date/Time Drilling Started: 3/28/00	Date/Time Total Depth Reached: 3/28/00	
Type of Sampling Device: 2" SS		Water Level (bgs): First / Final		
Sample Hammer: Type / Driving Wt. / Drop		Hydrogeologist: J. OTTOSON	Checked by/Date	
Location Description (include sketch in field logbook)				

Depth	Interval	Recovery	Blow Counts	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Lithology	Water Content	Remarks (Include all sample types & depth, odor, organic vapor measurements, etc.)
0			G R A B	Light Brownish Gray (10YR 6/2), moist, loose, fine sand, trace med sand, trace silt (≈ <10%), subang, no odor, no disc.	SM		MOIST	OH = 0.1 ppm HS = 0.0 ppm Temp = 80°
4								
10			4 8 12 10	Grayish Brown (10YR 5/2), wet to saturated, med dense, fine silty sand (≈25% silt), trace med sand, subangular, no odor, no disc.	SM		WET	OH = 0.0 ppm HS = 0.5 ppm Temp = 79°
12								
15			3 7 8 5	15-17' description same as 10-12'	SM		SAT.	OH = 0.0 ppm HS = 4.1 ppm Temp = 79°
17								
20			4 3 3 2	Light Brownish Gray (10YR 6/2), sat, med dense, very fine to fine silty sand (≈30% silt), subangular, no odor, no disc.	SM		SAT.	OH = 0.0 ppm HS = 0.9 ppm Temp = 79°
22								

BORING LOG

Borehole ID: OLD-17-36B
Sheet 2 of 2

			Location: OLD-17-36B	
Project Name: NTC-Orlando	Project Number: 152044.31	LTCCODE (IRPIMS): MNW	Site ID: SA17	LPRCODE (IRPIMS): I
Drilling Company: Precision	Driller: Millican	Ground Elevation: NSY	Total Drilled Depth: 30.5' bls	
Drilling Equipment: HSA / Drilling Method: HSA / Borehole Diameter: 10"		Date/Time Drilling Started: 3/28/00	Date/Time Total Depth Reached: 3/28/00	
Type of Sampling Device: 2" SS		Water Level (bgs): First	Final	
Sample Hammer: Type / Driving Wt. / Drop		Hydrogeologist: J. OTTOSON	Checked by/Date	
Location Description (include sketch in field logbook)				

Depth	Interval	Recovery	Blow Counts	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Lithology	Water Content	Remarks (Include all sample types & depth, odor, organic vapor measurements, etc.)
25			2	Dark Gray (10YR4/1), Sat, med dense, v dry fine to fine silty sand, trace med. sand, subang, no odor, no discoloration.	SM		SAT.	OH = 0.1 ppm HS = 2.3 ppm Temp = 79°
			2					
			2					
27			2					

BORING LOG

Borehole ID: OLD-17-37C
Sheet 1 of 4

			Location: OLD-17-37C	
Project Name: NTC-ORLANDO	Project Number: 152044.31.02.0502	LTCCODE (IRPIMS): MNW	Site ID: SA17	LPRCODE (IRPIMS): I
Drilling Company: PRECISION	Driller: MIKE MILLICAN	Ground Elevation: NS yet	Total Drilled Depth: 57'	
Drilling Equipment: HSA	Drilling Method: HSA	Borehole Diameter: 10"	Date/Time Drilling Started: 3/28/00	Date/Time Total Depth Reached: 3/28/00
Type of Sampling Device: 2" SPLIT SPOONS		Water Level (bgs): First	Final	
Sample Hammer: Type	Driving Wt.	Drop	Hydrogeologist: J. OTTOSON	Checked by/Date
Location Description (include sketch in field logbook)				

Depth	Interval	Recovery	Blow Counts	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Lithology	Water Content	Remarks (Include all sample types & depth, odor, organic vapor measurements, etc.)
0			GRAB	Light Brownish Gray (10YR6/2), moist, loose, fine sand, trace med sand, little silt (≈20%), no odor, no discoloration, subangular	SM		MOIST	OH = 0.0 ppm HS = 0.0 ppm Temp = 80°
4								
10			6 8 10	Grayish Brown (10YR5/2), wet to saturated, med dense, fine silty sand (≈25% silt), trace med sand, subangular, no odor, no disc.	SM		WET	OH = 0.1 ppm HS = 0.8 ppm Temp = 79°
12			11					
15			4 7 7	15-17' same description as 10-12' above	SM		SAT.	OH = 0.1 ppm HS = 2.3 ppm Temp = 79°
17			9					
20			5 4 5	Grayish Brown (10YR5/2), saturated, med dense, very fine to fine silty sand (≈30% silt), subangular, no odor, no disc.	SM		SATURATED	OH = 0.2 ppm HS = 1.5 ppm Temp = 78°
22			4					

BORING LOG

Borehole ID: OLD-17-37C
Sheet 2 of 4

			Location: OLD-17-37C	
Project Name: NTC-ORLANDO	Project Number: 152044.31.02.0502	LTCCODE (IRPIMS): MNW	Site ID: SA17	LPRCODE (IRPIMS): I
Drilling Company: Precision	Driller: Mike Millican	Ground Elevation: NSY	Total Drilled Depth: 57'	
Drilling Equipment: HSA / Drilling Method: HSA / Borehole Diameter: 10"		Date/Time Drilling Started: 3/28/00	Date/Time Total Depth Reached: 3/28/00	
Type of Sampling Device: 2" SS		Water Level (bgs): First	Final	
Sample Hammer: Type / Driving Wt. / Drop		Hydrogeologist: J. OTTOSON	Checked by/Date	
Location Description (include sketch in field logbook)				

Depth	Interval	Recovery	Blow Counts	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Lithology	Water Content	Remarks (Include all sample types & depth, odor, organic vapor measurements, etc.)
25			2	Dark Gray (10YR 4/1), saturated, med dense, very fine to fine silty sand, trace med sand, subangular, no odor, no disc.	SM		SAT.	OH = 0.0 ppm HS = 3.7 ppm Temp = 78°
			3					
			2					
27			2					
30			WOR	Light Brownish Gray (10YR 6/2), Sat, med dense, very fine to fine silty sand, subangular, no odor, no disc.	SM		SAT.	OH = 0.2 ppm HS = 6.8 ppm Temp = 78°
			2					
			1					
32			2					
35			WOR	Light Brownish Gray (10YR 6/2), sat, med dense, fine silty sand, little very fine sand, trace med sand, subangular, no odor, no disc.	SM		SAT.	OH = 0.2 ppm HS = 43.6 ppm Temp = 78° (CH4?)
			2					
			1					
37			1					
40			2	40-42' same description as 35-37' above.	SM		SAT.	OH = 0.2 ppm HS = 372 ppm (CH4?) Temp = 78°
			2					
42			2					
			1					

BORING LOG

Borehole ID: OLD-17-37C
Sheet 3 of 4

			Location: OLD-17-37C	
Project Name: NTC-ORLANDO	Project Number: 152044.31.	LTCCODE (IRPIMS): MNW	Site ID: SA17	LPRCODE (IRPIMS): I
Drilling Company: Precision	Driller: Mike Millican	Ground Elevation: NSY	Total Drilled Depth: 57'	
Drilling Equipment: HSA / Drilling Method: HSA / Borehole Diameter: 10"		Date/Time Drilling Started: 3/28/00	Date/Time Total Depth Reached: 3/28/00	
Type of Sampling Device: 2" SS		Water Level (bgs): First / Final		
Sample Hammer: Type / Driving Wt. / Drop		Hydrogeologist: J. OTTOSON	Checked by/Date	
Location Description (include sketch in field logbook)				

Depth	Interval	Recovery	Blow Counts	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, minerology, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Lithology	Water Content	Remarks (Include all sample types & depth, odor, organic vapor measurements, etc.)
45			3 5 10	45-47' description same as 35-37'	SM		SAT.	OH=0.1 ppm HS=814 ppm (CH4?) Temp=78°
47			10 7 12 11 28	47-49' Light Brownish Gray (10YR6/2), sat, med dense, fine silty sand (≈30% silt), little very fine sand, little med sand, subangular, no odor, no disc.	SM		SAT	OH=0.1 ppm HS=925 ppm Temp=78°
49			WOR 1 1	49-51' Gray (10YR6/1), sat, med dense, fine silty sand, little med sand, trace fine sand, subangular, no odor, no disc.	SM		SAT.	OH=0.2 ppm HS=695 ppm Temp=78°
51			WOR WOR	51-53' Olive Gray (5Y5/2), sat, med dense, fine silty sand, trace med sand, trace very fine sand, subangular, no odor, no disc.	SM		SAT	OH=0.0 ppm HS=261 ppm Temp=78°
53			1 1 1 1	53-55' Mottled Dark Gray (1 for Gley 4/-) and Dark Greenish Gray (1 for Gley 4/1), sat, med dense, very fine silty sand (≈50% silt), with silt lenses intermixed throughout, no odor, no disc.	SM		SAT.	OH=0.0 ppm HS=162 ppm Temp=77°
55								

BORING LOG

Borehole ID: OLD-17-37C
Sheet 4 of 4

			Location: OLD-17-37C	
Project Name: NTC-Orlando	Project Number: 152044.31.	LTCCODE (IRPIMS): MNW	Site ID: SA17	LPRCODE (IRPIMS): I
Drilling Company: Precision	Driller: Millican	Ground Elevation: NSY	Total Drilled Depth: 57' bls	
Drilling Equipment: HSA / Drilling Method: HSA / Borehole Diameter: 10'		Date/Time Drilling Started: 3/28/00	Date/Time Total Depth Reached: 3/28/00	
Type of Sampling Device: 2" SS		Water Level (bgs) First / Final		
Sample Hammer Type / Driving Wt / Drop		Hydrogeologist: J. OTTOSON	Checked by/Date	
Location Description (include sketch in field logbook)				

Depth	Interval	Recovery	Blow Counts	Description (Include lithology, grain size, sorting, angularity, Munsell color name & notation, mineralogy, bedding, plasticity, density, consistency, etc., as applicable)	USCS Symbol	Lithology	Water Content	Remarks (Include all sample types & depth, odor, organic vapor measurements, etc.)
55			wp	55-57' description same as 53-55' with clayey silty lenses intermixed throughout, less dense + softer.	SC		S	OH = 0.0 ppm
			wR		CL		A.	HS = 217 ppm
57							T.	Temp = 77°

PROJECT NUMBER	BORING NUMBER
314641	17-MW53B/C (multi chamber well)

SOIL BORING LOG

PROJECT : SA-17 EOS injection LOCATION : NTC Orlando McCoy NORTHING

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING

DRILLING METHOD AND EQUIPMENT USED : Rotosonic, Truck-Mounted Drill Rig 4" X 6"

WATER LEVELS : START : 5-8-2006 END : 5-19-2006 LOGGER : WGE

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Above Hole
	Surface				grass	
0		90+			SM- Dark Brown, silty fine grained sand with roots and organics top 1' - Dense, dry to moist at 4'. Not plastic	<1.0 ppm
5		90+			SM - Medium Brown , fine grained silty sand, dense to loose, saturated by ~7 ' SL - plastic	<1.0 ppm
10		90+			SM - as at 5-10'	<1.0 ppm
15		90+			SM - as at 10-15' Slightly more greyish green color, still brown	<1.0 ppm
20		90+			SM - as at 15-20'	<1.0 ppm
25		90+			SM -as at 20-25'	<1.0 ppm
30		90+			SM - as abaove, but grading coarser, less silt and olive green @ 31'	<1.0 ppm
31					SP - Poorly graded medium grained olive grey sand. Trace to no silt, dense, saturated	
35		90+			SP - as a t 31-35'	<1.0 ppm
40					END OF BORING	
					Channel 1 = 35.5 - 40' Channel 2 = 30 - 34.5' Channel 3 = 20.5 - 25' Channel 4 = 15 - 20' Channel 5 = not used Channel 6 - not used Channel 7 - 40.0' bottom screen	

PROJECT NUMBER	BORING NUMBER	
314641	17-MW55C	SHEET 1 OF 1

SOIL BORING LOG

PROJECT : SA-17 EOS injection LOCATION : NTC Orlando McCoy NORTHING

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING

DRILLING METHOD AND EQUIPMENT USED : Rotosonic, Truck-Mounted Drill Rig 4" X 6"

WATER LEVELS : START : 5-8-2006 END : 5-19-2006 LOGGER : WGE

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Above Hole
	Surface				grass	
0		90+			SM - Brown silty fine grained sand, w/ roots at first 1' Dense not plastic, dry to moist at 5'	<1.0 ppm
5		90+			SM - Silty Fine grained brown sand. Grading to lighter tan color plus less silt downward. Wet at ~5.5 feet	<1.0 ppm
10		90+			SP - poorly graded, medium grained light tan sand, saturated, loose to medium dense, not plastic no silt except at 15'	<1.0 ppm
15		90+			SM - Silty fine grain, brown sand. Slightly darker color than at 10-15'. Wet, slightly plastic, blocky dense, varying % silt.	<1.0 ppm
20		90+			SP/SM - Poorly graded medium fine brown / tan sand, graded siltier at 27'	<1.0 ppm
25		90+			SP /SM - Poorly graded medium, fine brown / tan sand, graded siltier at 27'	<1.0 ppm
27					SM - Very fine, saturated olive tan sand, loose not plastic - silty -	<1.0 ppm
30		90+			SM - Silty fine olive tan sand, grading coarse and less silt twards 34'	<1.0 ppm
35		90+			SM /SP - Poorly graded fine to coarse grained sand, some silt, mostly medium grained, saturated dense, not plastic	<1.0 ppm
40					END OF BORING	

PROJECT NUMBER	BORING NUMBER	
314641	17-IW04C	SHEET 1 OF 1

SOIL BORING LOG

PROJECT : SA-17 EOS injection LOCATION : NTC Orlando McCoy NORTHING

DRILLING CONTRACTOR : Prosonic Drilling Corporation EASTING

DRILLING METHOD AND EQUIPMENT USED : Rotosonic, Truck-Mounted Drill Rig 4" X 6"

WATER LEVELS : START : 5-8-2006 END : 5-19-2006 LOGGER : WGE

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (IN)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. OVM (ppm): Breathing Zone Above Hole
	Surface				grass	
0		50+		plastic liner "	SP - Lt. Tan, Poorly graded fine sand - fill- dry loose, not plastic	<1.0 ppm
1					SM - Brown, silty fine sand, dense, sl. Plastic to not plastic. Wet at 2.5'	
5		90+			SM - as at 5', but tending finer and lighter in color, tan, - dense and wet	<1.0 ppm
10		90+			SM - as at 10' Tan, saturated, loose to dense	2.7 ppm @ 10'
15		90+			SM to SP - SM -same as @15, but grading darker brown + coarser to SP @19' - dense fine to medium sand, saturated	0.7 @ 14'
20		90+			SP to 24', as above -at 24', grades to fine silty brown sand SM , saturated	2.3 ppm @ 20
25		90+			SM - asw at 24', grading to coarser + less silt, lighter color at 30'	<1.0 ppm
30		90+			SP - Brown, poorly graded, medium sand, saturated, dense, some coarse sand mixed	<1.0 ppm
35		100%			SP - as at 30-25' with traces of clay + more greenish brown color at 38'	4-18 ppm
40					END OF BORING	

Completion Logs

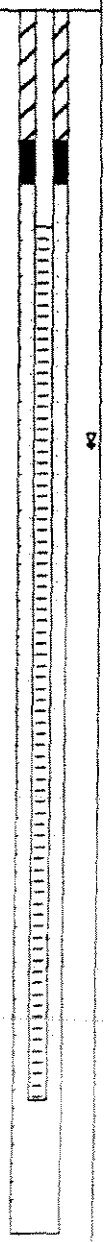
Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-01A
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO-107
Contractor: GEOTEK		**Date started:** 05/15/95	**Completd:** 05/15/95
Method: Hollow stem auger	**Casing Size:** 2 in.	**Screen Int.:** 10 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** Porta FID	**Total depth:** 14Ft.	**Dpth to ▽** 5 Ft.
Logged by: N. Hawes	**Well Development Date:**		**Well ID:** OLD-17-01A

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					QUARTZ SAND: Gray, fine, silty		SM	
					QUARTZ SAND: Tan, silty, good to moderate rounding			
	17B00101 (4-6')			0				10,15
5			90%					18,32
	17B00101MS 17B00101MSD (8-10')			0	SAND: Lenses of coarse white sand interlayered with fine, brown, clayey-silty sand			8,12
			90%					10,10
				0				10,13
			90%					9,12
10				0				8,8
			90%		SILTY SAND: Light Brown, fine, good sorting, good to moderate rounding			12,10
				0				8,8
			90%					11,10
					TD			
15								

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-02A
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO-107
Contractor: GEOTEK		**Date started:** 05/14/95	**Completd:** 05/14/95
Method: Hollow stem auger	**Casing Size:** 2 in.	**Screen Int.:** 10 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** Porta FID	**Total depth:** 14Ft.	**Dpth to ∇:** 5 Ft.
Logged by: M. Hawes	**Well Development Date:**		**Well ID:** OLD-17-02A

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Asphalt			
					QUARTZ SAND: Brown, fine, silty		SM	
	17B00201 (4-8')			0	QUARTZ SAND: Tan, fine, silty, good to moderate rounding			5,5
5			75%					8,14
				0				2,5
			85%					7,9
				0				4,8
			90%		QUARTZ SAND: Off-white, fine, silty, good to moderate rounding			5,8
10				0				5,7
			90%					13,22
				0				4,4
			80%					5,7
					TD			
15								



HLA-ES

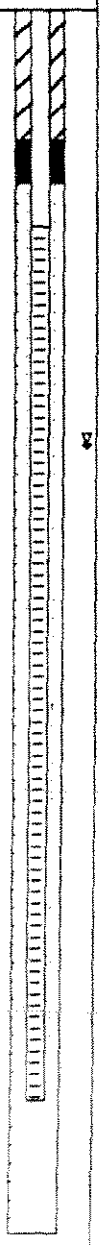
Project: BRAC NTC Orlando	**Site:** S.A. 17	**Boring No.:** OLD-17-03A
Client: SOUTHDIVNAVFACENGCOM		**Job No.:** CTO-107
Contractor: GEOTEK	**Date started:** 05/18/95	**Completd:** 05/18/95
Method: Hollow stem auger	**Casing Size:** 2 in.	**Screen Int.:** 10 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** Porta FID	**Total depth:** 14Ft.	**Dpth to ∇** 8 Ft.
Logged by: M. Hawes	**Well Development Data:**	**Well ID:** OLD-17-03A

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Asphalt			
				0	QUARTZ SAND: Dark brown, fine		SP	
				0				
	17B00301 (4-8')				QUARTZ SAND: Tan, fine, silty, good to moderate rounding		SM	18,18
5			80%	0				20,22
								5,8
			90%	0				10,11
								4,5
			90%	0				5,7
10								5,8
			90%	0				11,12
								4,5
			90%	0				5,7
					TD			
15								

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17	**Boring No.:** OLD-17-04A
Client: SOUTHDIVNAVFACENGCOM		**Job No.:** CTO-107
Contractor: GEOTEK	**Date started:** 05/18/95	**Completd:** 05/18/95
Method: Hollow stem auger	**Casing Size:** 2 in.	**Screen Int.:** 10 ft.
Ground Elev.:	**Type of OVM.:** Porta FID	**Total depth:** 14Ft.
Logged by: M. Hawes	**Well Development Date:**	**Well ID:** OLD-17-04A

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Limestone rock			
					QUARTZ SAND: Dark brown, fine		SP	
					QUARTZ SAND: Tan, fine, silty, good to moderate rounding		SM	
	17B00401 (4-6')							12,20
5			70%	0				24,22
								5,8
			80%	0				7,13
								4,4
			80%	0				8,9
10								4,7
			90%	0				8,7
								5,7
			90%	10				9,0
					TD			
15								



HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-10C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: Custom		**Date started:** 02/04/97	**Completd:** 02/04/97
Method: SPT	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM:** FID	**Total depth:** 60Ft.	**Dpth to ∇:** 6 Ft.
Logged by: JN	**Well Development Data:**		**Well ID:** OLD-17-10C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Begin sample collection at base of existing OLD-17-04 boring/well.			
5								
10								
				0	Light gray silty fine sand, wet.		SP	7,7,8,5
			95%	0				4,4,3,2
15			95%	0				3,2,2,10
			10%	0				2,2,8,4
			60%	0				2,2,5,5
20			100%	0				8,8,2,1
			95%	0				1,1,1,2
25			70%	0	Light gray silty fine sand with clay, dry.		SP/SC	2,2,1,1
			100%	0				5,8,7,11
			90%	0	Light gray silty fine sand, wet.		SP	4,4,8,7
30			50%	0				2,4,6,8
			50%	0				5,4,5,10
35			45%					

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-10C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: Custom		**Date started:** 02/04/97	**Completd:** 02/04/97
Method: SPT	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 80Ft.	**Dpth to ▽** 8 Ft.
Logged by: JN	**Well Development Date:**		**Well ID:** OLD-17-10C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			45%	0			SP	8,10,14,13
			80%	0				5,4,2,4
			70%	0				5,4,5,5
40			70%	0				8,8,7,4
			80%	0				NS
45			0	0				1,2,2,4
			100%	0	Dark gray wandy clay, soft, low plasticity, hard brown nodules after 3".		SC	1,0,0,1
			100%	0				NS
50			0					0,0,0,0
			100%					3,2,2,1
55			100%		Green silty clay, stiff, low plasticity (Hawthorne).		CL	8,10,13,13
			100%					2,3,4,8
			100%		Green silty clay.		CL/SC	
60					TD			
65								
70								

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-13B
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 04/28/98	**Compltd:** 04/28/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 20Ft.	**Dpth to ▽** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-13B

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				0	Gray to brown silty, fine-grained sand, Soft, loose, poorly sorted.		SP	28,32,20,21
5			50%					
				0				28,24,28,28
			100%					
				0				12,12,14,14
			50%					
10				0				8,8,8,8
			90%					
				0				8,8,5,5
			90%					
				0				5,4,5,6
15			80%					
				0				5,5,5,5
			80%					
				0				4,4,3,3
			60%					
20					TD			
25								

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-14C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 04/28/98	**Completd:** 04/28/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 80Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-14C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
			50%	0	Brown, tan, gray, silty fine sand. Soft, loose.		SP	28,32,20,21
5			100%	0				28,24,28,28
			50%	0				12,12,14,14
10			90%	0				8,8,8,8
			90%	0				6,6,5,5
			80%	0				5,4,5,6
15			80%	0				5,5,5,5
			60%	0				4,4,3,3
20			60%	0				3,3,3,3
			70%	0				3,3,2,2
			80%	0				1,1,2,2
25			70%	0				3,3,3,2
			70%	0				4,3,10,10
30			50%	0				3,3,3,3
			80%	0	Olive green clayey, silty sand.		SC	5,8,20,20
35			40%	0	Light brown silty fine sand with stringers of olive green silty fine- to coarse sand.		SP	8,10,10,11

HLA-ES

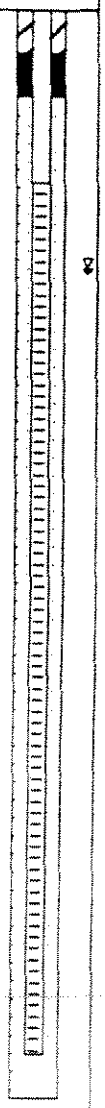
Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-14C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 04/28/98	**Compltd:** 04/28/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 60Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Data:**		**Well ID:** OLD-17-14C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			40%	0			SP	7,8,9,8
			40%	0				5,5,5,5
			70%	0				3,2,8,8
40			90%	0				8,8,7,1
			70%	0				7,7,8,7
45			60%	0				5,8,8,5
			70%	0				3,5,5,7
			80%	0	Olive green clayey, silty fine sand.			1,1,1,1
50			80%	0				2,1,3,3
			80%	0				1,2,1,1
55			80%	0				2,1,8,10
			80%	0	Dark green silty, sandy clay. Dry, soft, low plasticity.		SP/SC	10,11,10,11
60			80%		TD			
65								
70								

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17	**Boring No.:** OLD-17-15A
Client: SOUTHDIVNAVFACENGCOM		**Job No.:** CTO 107
Contractor: GP	**Date started:** 04/28/98	**Completd:** 04/28/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 10 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 12.5Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Data:**	**Well ID:** OLD-17-15A

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				0	Light brown, silty, fine-grained sand. Soft, loose, poorly sorted.		SP	12,12,12,14
5			80%					
				0				10,10,8,8
			80%					
				0				10,10,10,10
			100%					
10				0				3,3,3,3
			90%					
					TD			
15								



HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17	**Boring No.:** OLD-17-18B
Client: SOUTHDIVNAVFACENGCOM		**Job No.:** CTO 107
Contractor: GP	**Date started:** 04/29/98	**Completd:** 04/29/98
Method: HSA	**Casing Size:** 2 in. / **Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM:** FID / **Total depth:** 20.5Ft.	**Dpth to ∇:** 3 Ft.
Logged by: MCT	**Well Development Date:**	**Well ID:** OLD-17-18b

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				0	Light brown, silty, fine-grained sand. Soft, loose, poorly sorted.		SP	12,12,12,14
5			80%	0				10,10,8,8
			80%	0				10,10,10,10
			100%	0				3,3,3,3
10			90%	0				3,3,3,3
			80%	0				1,1,3,3
15			90%	0				4,6,4,5
			100%	0				5,5,5,5
20			90%		TD			
25								

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17	**Boring No.:** OLD-17-17C
Client: SOUTHDIVNAVFACENGCOM		**Job No.:** CTO 107
Contractor: GP	**Date started:** 04/29/88	**Completd:** 04/29/88
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 58Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**	**Well ID:** OLD-17-17C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				0	Light brown, silty, fine-grained sand. Soft, loose, poorly sorted.		SP	12,12,12,14
5			80%	0				10,10,8,8
			80%	0				10,10,10,10
			100%	0				3,3,3,3
10			90%	0				3,3,3,3
			80%	0				1,1,3,3
15			90%	0				4,6,4,5
			100%	0				5,5,5,5
			90%	0				3,3,1,1
20			100%	0				1,1,1,1
			100%	0				1,1,1,2
25			100%	0	As above, with interbedded layers of light green sandy silt.		SP/SC	6,6,7,7
			60%	0				7,8,8,8
			90%	0			SP	2,2,7,8
30								

HLA-ES

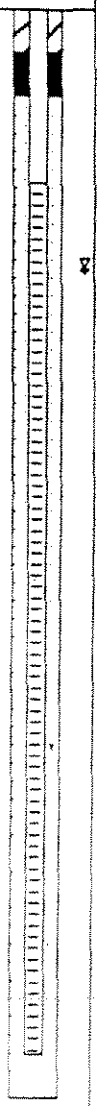
Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-17C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 04/29/98	**Compltd:** 04/29/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 58Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-17C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			40%	0	Light brown, silty, fine-grained sand. Slightly cemented with iron staining.		SP	8,10,10,12
			50%	0				8,8,8,8
35			80%	0				2,3,4,5
			80%	0				2,4,4,4
			80%	0	Above grades into light green clayey, silty, fine- to coarse-grained sand with phosphate nodules.		SP/SC	1,1,1,5
40			25%	0				8,8,8,14
			50%	0				5,5,5,5
45			75%	0				4,5,5,4
			80%	0				2,2,3,3
			90%	0				5,3,2,1
50			80%	0				1,1,1,1
			80%	0			CL	1,1,3,8
55			80%	0	Light green silt/clay/sand.		SP/SC	3,6,7,9
			80%		TD			
60								

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-18A
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 04/30/98	**Completd:** 04/30/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 10 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 12Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-18A

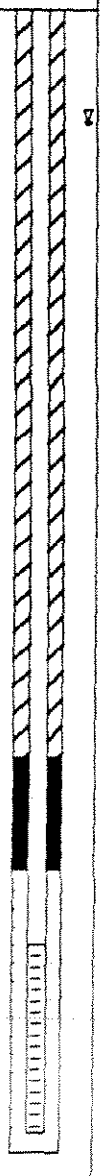
Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				NA*	Light brown, gray, silty fine-grained sand. Soft, loose, poorly sorted.		SP	8,8,10,10
5			30%					
				NA				7,7,7,7
			100%					
				NA				10,11,18,20
			100%					
10				NA				8,10,12,18
			70%					
					TD			
					* FID out of order			
15								



HLA-ES

Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-19B
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/01/98	**Compltd:** 05/01/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 30Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-19B

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				NA*	Light brown, gray, silty fine-grained sand. Soft, loose, poorly sorted.		SP	8,8,10,10
5			30%					
				NA				7,7,7,7
			100%					
				NA				10,11,18,20
			100%					
10				NA				8,10,12,18
			70%					
				NA				10,7,8,10
			80%					
				NA				10,8,8,10
15			100%					
				NA				8,3,3,4
			100%					
				NA				8,3,5,4
			100%					
20				NA	Brown sandy silt, soft.		SC	8,5,5,4
			100%					
				NA				2,3,8,8
			80%					
					Light brown silty sand.		SP	
				NA				7,7,10,12
25			90%					
				NA				8,8,7,8
			100%					
				0	Brown sandy silt.		SC	7,5,6,8
			100%					
30					TD			
					* FID out of order			
35								



HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-20C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/01/98	**Completd:** 05/01/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 82Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-20C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				NA*	Light brown, gray, silty fine-grained sand. Soft, loose, poorly sorted.		SP	8,8,10,10
5			30%					
				NA				7,7,7,7
			100%					
				NA				10,11,18,20
			100%					
10				NA				8,10,12,18
			70%					
				NA				10,7,8,10
			80%					
				NA				10,6,8,10
15			100%					
				NA				8,3,3,4
			100%					
				NA				8,3,5,4
			100%					
20				NA	Brown sandy silt, soft.		SC	8,5,5,4
			100%					
				NA				2,3,8,8
			80%					
				NA	Light brown silty sand.		SP	7,7,10,12
25			90%					
				NA				6,8,7,8
			100%					
				0	Brown sandy silt.		SC	7,5,6,6
			100%					
30				1.1				2,1,1,2
			100%					
				0.8	Light brown silty, fine-grained sand with interbedded olive green silty sand, soft, stiff in places.		SP	1,4,8,8
			100%					
				0.8				8,10,10,14
			100%					
35								

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17	**Boring No.:** OLD-17-20C
Client: SOUTHDIVNAVFACENGCOM		**Job No.:** CTO 107
Contractor: GP	**Date started:** 05/01/98	**Completd:** 05/01/98
Method: HSA/MUD	**Casing Size:** 2 in. / **Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID / **Total depth:** 82Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**	**Well ID:** OLD-17-20C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			100%	0.4			SP	8,8,11,17
			100%	0.4				12,14,18,18
			80%	0				5,8,8,8
40			30%	0				6,8,10,10
			50%	0				7,8,15,12
			50%	0				7,8,10,18
45			80%	0				4,3,1,8
			80%	0				1,1,1,1
50			100%	0	Dark green clayey silt with sand. Soft, wet.		SC	2,1,2,1
			100%	0				1,2,2,3
			100%	0				1,2,3,1
55			100%	0	(Hawthorn)			1,2,1,2
			100%	0	Dark green clay. Soft, wet, low plasticity.		CL	1,2,1,1
60			100%	0				
					TD			
65								
70					* FID out of order			

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-21B
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/05/98	**Completd:** 05/05/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 20.5Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-21B

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				0	Brown, gray, silty, fine-grained sand. Soft, loose, poorly sorted.		SP	8,10,10,12
5			90%	0				7,10,12,12
			90%	0				8,10,12,14
			90%	0				6,6,8,8
10			90%	0				6,5,4,4
			90%	0				4,6,4,5
			100%	0				3,5,4,5
15			90%	0				3,6,8,9
			90%					
20					TD			
25								

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-22C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/04/98	**Compltd:** 05/04/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 60Ft.	**Dpth to ▽** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-22C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Posthole to 4 feet bls.			
				0	Brown, gray, silty, fine-grained sand. Soft, loose, poorly sorted.		SP	6,10,10,12
5			90%	0				7,10,12,12
			90%	0				8,10,12,14
			90%	0				6,6,8,8
10			90%	0				6,5,4,4
			90%	0				4,6,4,5
			100%	0				3,5,4,5
15			90%	0				3,6,8,9
			90%	0				3,5,4,4
20			90%	0				2,2,2,2
			90%	0				1,1,2,2
			90%	0	As above, with interbedded layers of light green sandy silt.		SP/SC	1,2,2,3
25			90%	0				2,2,2,3
			80%	0	Light brown silty, fine-grained sand, slightly cemented with iron staining.		SP	1,3,4,6
30			80%	0				1,3,4,6
			80%	0				4,6,6,9
35			80%					

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-22C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/04/98	**Compltd:** 05/04/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 60Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-22C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Continued from PAGE 1			
			80%	0			SP	2,5,10,12
			80%	0				3,8,3,3
			80%	0				2,1,2,2
40			70%	0	Above grades into light green clayey, silty, fine-grained sand.		SP/SC	1,2,3,5
			70%	0				1,1,2,2
45			80%					No Recovery
			NA	0				1,2,2,3
			80%					No Recovery
50			NA	0				1,1,1,1
			80%	0	Alternating layers of dark green silty clay and clayey silt. Clay moderately stiff, low plasticity.		SC/CL	2,2,3,2
55			90%	0				2,3,5,10
			90%	0				3,3,5,7
			70%		Light green clay/silt/sand.		SC	
60					TD			
65								
70								

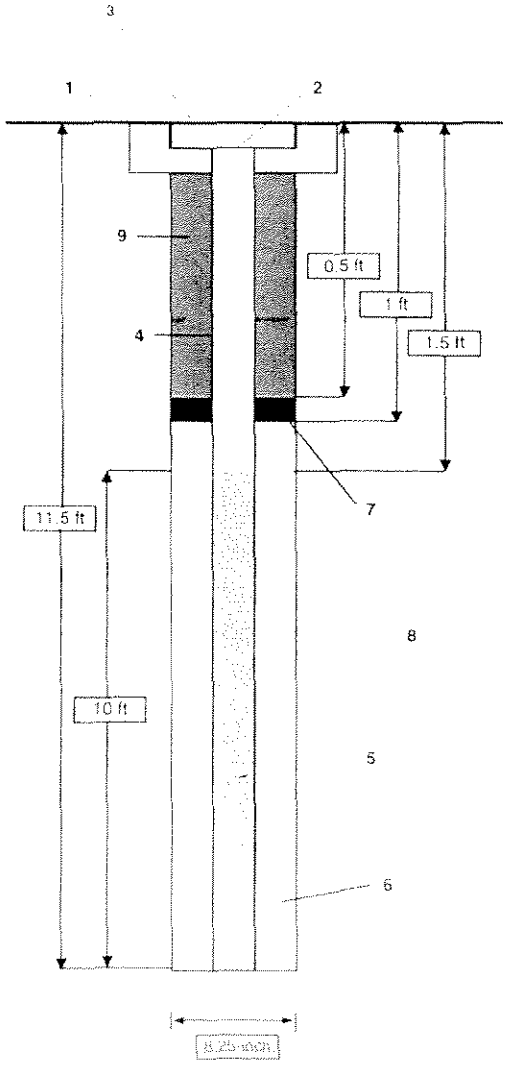
HLA-ES

CH2MHILL

PROJECT NUMBER	WELL NUMBER	
177311	OLD-17-23A-R	SHEET 1 OF 1

WELL COMPLETION DIAGRAM

PROJECT : NTC - SA17
LOCATION: Orlando, Florida
DRILLING CONTRACTOR : Precision Drilling
NORTHING 1490404.06
DRILLING METHOD AND EQUIPMENT USED : Hollow Stem Augering (4.25-inch I.D. and 8.25-inch O.D.)
EASTING: 946847.00
WATER LEVELS : NA
START : 9/26/2000
END: 9/26/2000
LOGGER : F. Ferreira



1- Ground elevation at well	89.60	ft above msl
2- Top of casing elevation	89.38	ft above msl
3- Protective cover type	8-inch manhole	
a) concrete pad dimensions	3 ft x 3 ft x 4-inches deep	
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC	
5- Type/slot size of screen	0.010-inch dia. machine slotted PVC	
6- Type filter pack	20/30 sieve size silica sand	
7- Type of seal	3/8-inch bentonite pellets	
8- Borehole diameter	8.25-inch	
9- Grout	Portland cement	

Note: Diagram not to scale.

OCD 17-23-A-R

Geo-Cleanse International, Inc. • 4 Mark Road, Suite C • Kenilworth, NJ 07033
Telephone (908) 206-1250 • Fax (908) 206-1251 • E-mail geocleanse@earthlink.net

Soil Boring Log

Project: NTC
Location: ORLANDO, FL
Page 1 of 1
Date: 9/26/00

Consultant / Rep(s): CH2M-HILL
GCI Rep(s): ESE: T.W. KNOEDLER
Drilling Contractor: Precision Sampling
Driller / Helper: THARP / ALLEN / SINGLETON
Drill Rig / Method: HSA 4 1/4" ID, B3500 MOBILE

Well No.: OCD 17-23-A-R
Boring No.: —
Injector No.: —
PID Type: Thermo
PID Lamp: 11.6

Approx. Location: See Map (2'S of former loc.)

Depth (feet)	Sample Interval	Recovery (Inches)	Sample ID #	Blows per 6"	PID (ppm)	Moisture Content	Depth of Change	Soil Description	Remarks	Well Construct
1								Grout		
2										
3								Bentonite		
4										
5								RISER		
6										
7					0.0			Sand		
8										
9										
10										
11										
12										
13							10'	SCREEN BOTTOM OF SCREEN: 11.5' BLS		
14									BOH: 12.5' BLS	
15								SPECIFICATIONS:		
								STICK-UP: FLUSH		
								GROUT: ~~BAROID~~ HOLNAM PORTLAND TYPE I		
								GEL: BAROID ~~HOLNAM~~ QUICK-gel		
								Bentonite: Baroid 3/8" Chips		
								Sand: Standard Sand & Silica Co. 20/30 4 bags.		
								2" RISER: #304SS COOK SCREEN TECHNOLOGIES, INC 5' SECTIONS, MILL THREADED FLUSH		
								2" SCREEN: 0.010 SLOT #304 SS COOK SCREEN TECH, INC, 10'x2"		

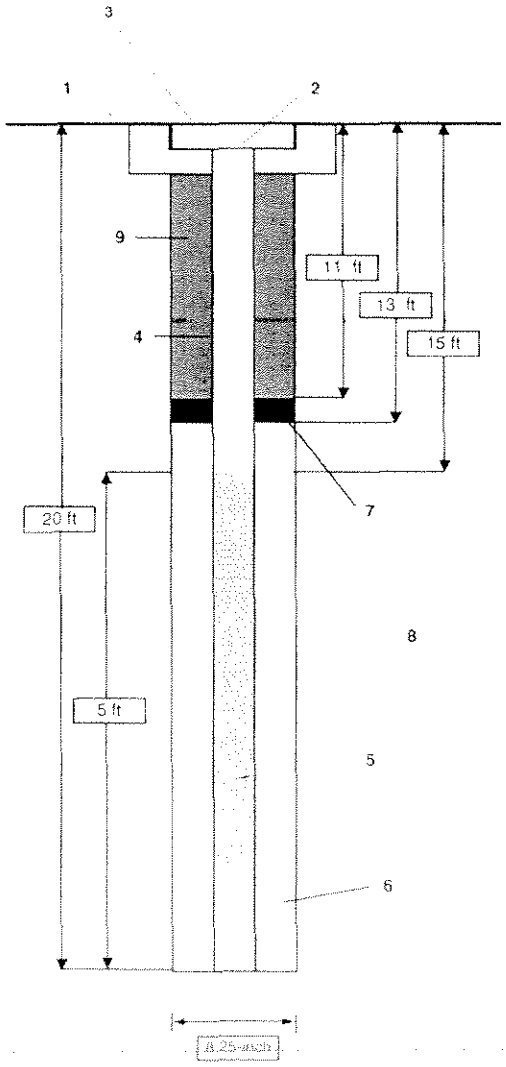
CH2MHILL

PROJECT NUMBER	WELL NUMBER	
177311	OLD-17-24B-R	SHEET 1 OF 1

WELL COMPLETION DIAGRAM

PROJECT NTC - SA17
DRILLING CONTRACTOR : Precision Drilling
DRILLING METHOD AND EQUIPMENT USED : Hollow Stem Augering (4.25-inch I.D. and 8.25-inch O.D.)
WATER LEVELS : NA START : 9/26/2000 END: 9/26/2000

LOCATION Orlando, Florida
NORTHING 1490400.21
EASTING: 546851.06
LOGGER : F. Ferreira



1- Ground elevation at well	89.80	ft above msl
2- Top of casing elevation	89.56	ft above msl
3- Protective cover type	8-inch manhole	
a) concrete pad dimensions	3 ft x 3 ft x 4-inches deep	
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC	
5- Type/slot size of screen	0.010-inch dia. machine slotted PVC	
6- Type filter pack	20/30 sieve size silica sand	
7- Type of seal	3/8-inch bentonite pellets	
8- Borehole diameter	8.25-inch	
9- Grout	Portland cement	

Note: Diagram not to scale.

OLD 17-24B-R

Geo-Cleanse International, Inc. • 4 Mark Road, Suite C • Kenilworth, NJ 07033
Telephone (908) 206-1250 • Fax (908) 206-1251 • E-mail geocleanse@earthlink.net

Soil Boring Log

Project: NTC
Location: ORLANDO FL

Date: 09/26/00

Consultant / Rep(s): CH2M-HILL (FERRIERLA)
GCI Rep(s): ESE: T.W. KNOEDLER
Drilling Contractor: Precision Sampling
Driller / Helper: THARP / ALLEN / SINGLETON
Drill Rig / Method: HSA 4 1/4" ID, P3500 MOBILE

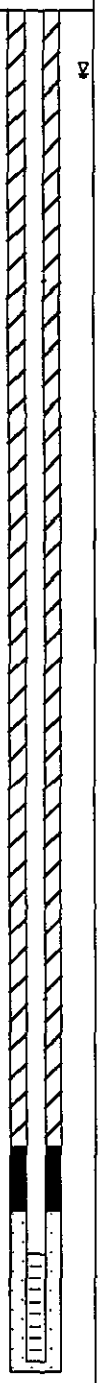
Well No.: OLD-17 24B-R
Boring No.: —
Injector No.: —
PID Type: Thermo
PID Lamp: 11.6

Approx. Location: See Map (2' S. of ORIGINAL LOCATION)

Depth (feet)	Sample Interval	Recovery (Inches)	Sample ID #	Blows per 6"	PID (ppm)	Moisture Content	Depth of Change	Soil Description	Remarks	Well Construct
1								NOT SAMPLED		GROUT TO SURFACE
2										
3										
4								STICK UP: FLUSH		
5										
6								2" RISER: #304 SS, COOK SCREEN TECH, INC, (5' SECTIONS FLUSH MILL THREAD)		15' RISER
7										
8										
9								GROUT HOLNAM PORTLAND TYPE I		
10										
11										
12										
13								GEL BAROID ~~HOLEPLUG~~ QUICK GEL		
14					0.0					
15					1358					
16								1' BENTONITE BAROID 3/8" Chip		
17										
18										
19								6' SAND STANDARD Sand & Silica Co. 20/30 Silica 4 bags		
20									TD: 20'	
								SCREEN COOK SCREEN TECHNOLOGIES, INC, (SIDEWINDER ENVIRONMENTAL SCREEN) 2" ID x 5', Stainless Steel - #304 0.010 SLOT, INTERVAL 15-20' BLS.		
								INSTALLED 2' SOUTH OF FORMER LOCATION		

Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-25C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/07/98	**Compltd:** 05/07/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 83Ft.	**Dpth to ▽** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-25c

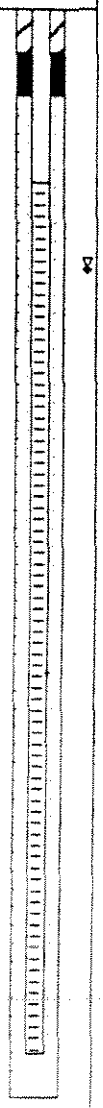
Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Refer to CPT log for 17Q018.			
					Log used to determine well construction.			
5								
10								
15								
20								
25								
30								
35								
40								
45								
50								
55								
60								
65					TD			



HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17	**Boring No.:** OLD-17-26A
Client: SOUTHDIVNAVFACENGCOM		**Job No.:** CTO 107
Contractor: GP	**Date started:** 05/05/98	**Completd:** 05/05/98
Method: HSA	**Casing Size:** 2 in. / **Screen Int.:** 10 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID / **Total depth:** 12.5Ft.	**Dpth to ∇:** 3 Ft.
Logged by: MCT	**Well Development Date:**	**Well ID:** OLD-17-26A

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Refer to CPT log for 17Q003.			
					Log used to determine well construction.			
5								
10								
					TD			
15								



HLA-ES

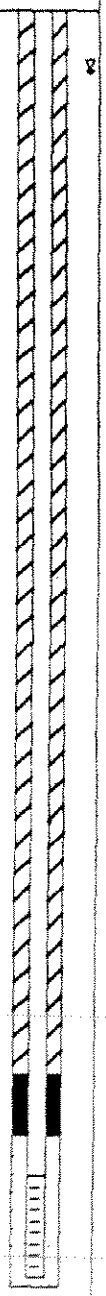
Project: BRAC NTC Orlando		**Site:** S.A. 17	**Boring No.:** OLD-17-27B
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/05/98	**Completd:** 05/05/98
Method: HSA	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 20.5Ft.	**Dpth to ▽** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-27B

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Refer to CPT log for 17Q003.			
					Log used to determine well construction.			
5								
10								
15								
20					TD			
25								

HLA-ES

Project: BRAC NTC Orlando	**Site:** S.A. 17		**Boring No.:** OLD-17-28C
Client: SOUTHDIVNAVFACENGCOM			**Job No.:** CTO 107
Contractor: GP		**Date started:** 05/07/98	**Completd:** 05/07/98
Method: HSA/MUD	**Casing Size:** 2 in.	**Screen Int.:** 5 ft.	**Protection level:** D
Ground Elev.:	**Type of OVM.:** FID	**Total depth:** 83Ft.	**Dpth to ∇** 3 Ft.
Logged by: MCT	**Well Development Date:**		**Well ID:** OLD-17-28C

Depth Ft.	Sample ID (Depth) (Type)	Split Spoon	Recovery	Headspace (ppm)	Soil/Rock Description and comments	Lithologic symbol	Soil class.	Blows/6-in.
					Refer to CPT log for 17Q003.			
					Log used to determine well construction.			
5								
10								
15								
20								
25								
30								
35								
40								
45								
50								
55								
60								
					TD			
65								



HLA-ES

WELL COMPLETION LOG

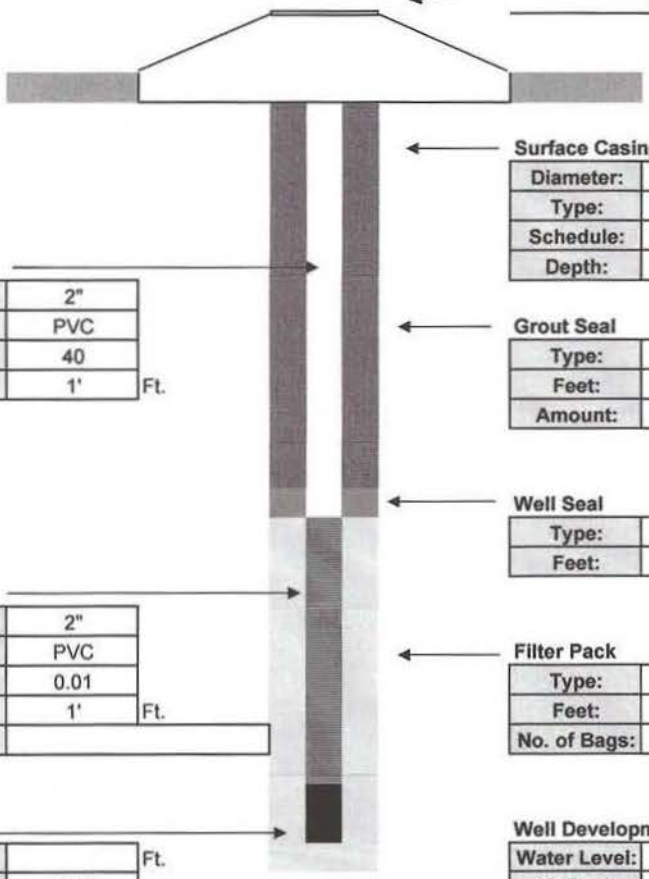
Water Mgmt. Dist.:
Permit Number:

Work Order: 212037
Type of Well: Monitor
Well Number: 31 AR
Method Used: Hand Auger
Borehole Diaz. 8"

Site Information:
Name: Creek Bed Wells
Address: 3400 5th St.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions IES
Field Rep: Sean Jarvah

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	2'	1'	1'	0.25	1 / 50 lbs.	20/30	30/65
40 ←	Schedule	Slot Size: →	0.01		4"	← Feet →	1' 6"	2"



Surface Completion
3" - 4" PVC AGP

Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	1'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	4"	
Amount:	0.25	Bags

Well Seal

Type:	30/65
Feet:	2"

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.01	
Length:	1'	Ft.
Note:		

Filter Pack

Type:	20/30
Feet:	1' 6"
No. of Bags:	1 / 50 lbs.

Sump

Length:		Ft.
Type:	PVC	

Well Development

Water Level:			
Method:			
Start:		Finish:	
Time:			
GPM:			

Contractor Information

Contractor #:	9311
Completion:	2/16/2012
Driller:	Jared Link
Lead Hand:	Thomas Watson
3rd Man:	NA
Drill Rig:	Hand Auger

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

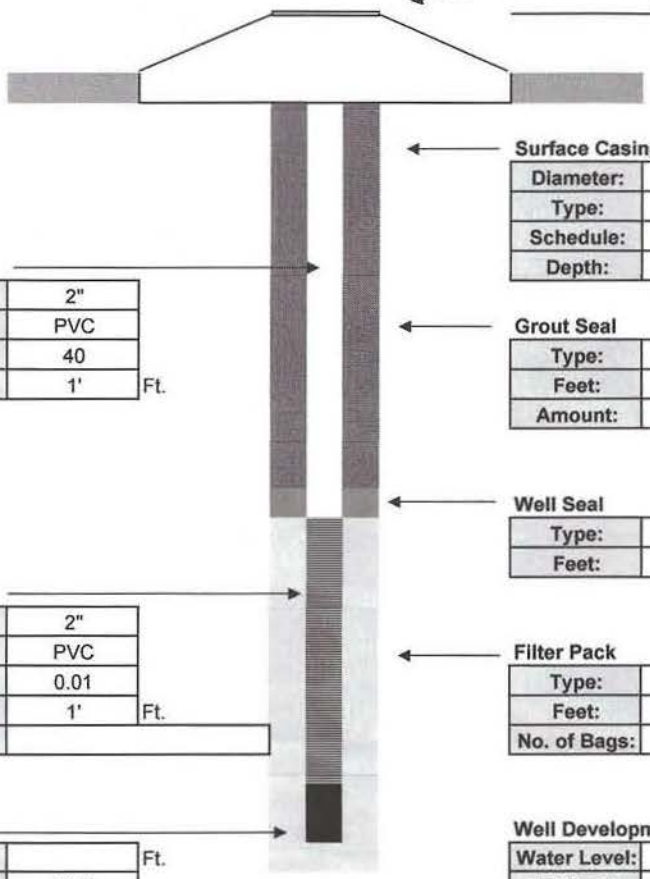
Work Order: 212037
Type of Well: Monitor
Well Number: 32 AR
Method Used: Hand Auger
Borehole Diaz. 8"

Site Information:
Name: Creek Bed Wells
Address: 3400 5th St.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions IES
Field Rep: Sean Jarvah

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	2'	1'	1'	0.25	1 / 50 lbs.	20/30	30/65
40 ←	Schedule	Slot Size: →	0.01		4"	← Feet →	1' 6"	2"

Surface Completion
3" - 4" PVC AGP



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	1'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	4"	
Amount:	0.25	Bags

Well Seal

Type:	30/65
Feet:	2"

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.01	
Length:	1'	Ft.
Note:		

Filter Pack

Type:	20/30
Feet:	1' 6"
No. of Bags:	1 / 50 lbs.

Sump

Length:		Ft.
Type:	PVC	

Well Development

Water Level:			
Method:			
Start:		Finish:	
Time:			
GPM:			

Contractor Information

Contractor #:	9311
Completion:	2/16/2012
Driller:	Jared Link
Lead Hand:	Thomas Watson
3rd Man:	NA
Drill Rig:	Hand Auger

Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

WELL COMPLETION LOG

Water Mgmt. Dist.:
Permit Number:

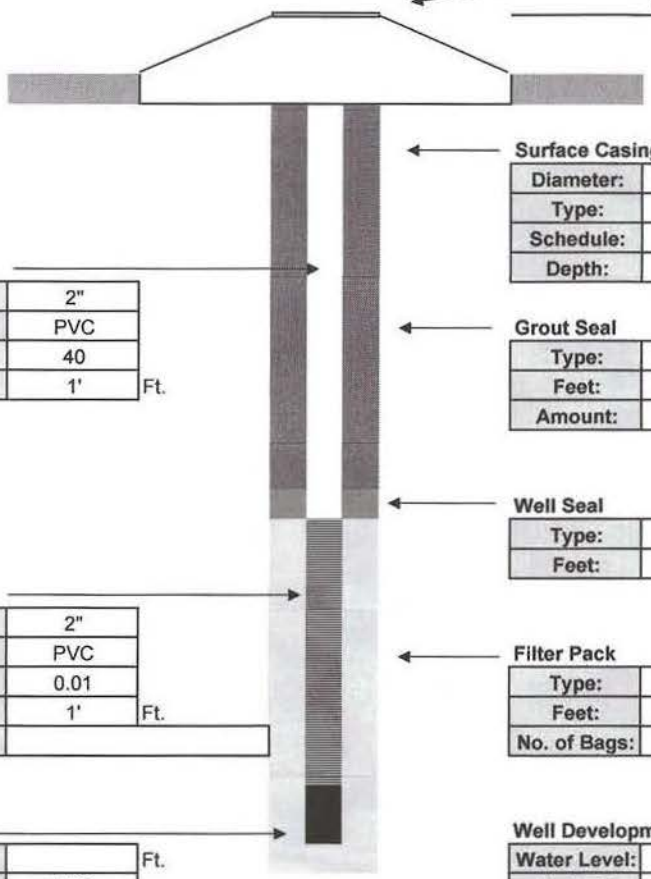
Work Order: 212037
Type of Well: Monitor
Well Number: 33 AR
Method Used: Hand Auger
Borehole Diaz. 8"

Site Information:
Name: Creek Bed Wells
Address: 3400 5th St.
C,S,Z: Orlando, Fl
S/T/R:

Client / Consultant Information
Consultant: Solutions IES
Field Rep: Sean Jarvah

Well Diameter	Well Type	Well Depth	Screen Length	Casing Length	Bags Grout	Sand Bags/Weight	Filter Type	Well Seal
2"	PVC	2'	1'	1'	0.25	1 / 50 lbs.	20/30	30/65
40 ←	Schedule	Slot Size: →	0.01		4"	← Feet →	1' 6"	2"

Surface Completion
3" - 4" PVC AGP



Surface Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Intermediate Casing

Diameter:	
Type:	
Schedule:	
Depth:	

Well Casing

Diameter:	2"	
Type:	PVC	
Schedule:	40	
Length:	1'	Ft.

Grout Seal

Type:	I PORTLAND	
Feet:	4"	
Amount:	0.25	Bags

Well Seal

Type:	30/65
Feet:	2"

Well Screen

Diameter:	2"	
Type:	PVC	
Slot:	0.01	
Length:	1'	Ft.
Note:		

Filter Pack

Type:	20/30
Feet:	1' 6"
No. of Bags:	1 / 50 lbs.

Sump

Length:		Ft.
Type:	PVC	

Well Development

Water Level:			
Method:			
Start:		Finish:	
Time:			
GPM:			

Contractor Information

Contractor #:	9311
Completion:	2/16/2012
Driller:	Jared Link
Lead Hand:	Thomas Watson
3rd Man:	NA
Drill Rig:	Hand Auger

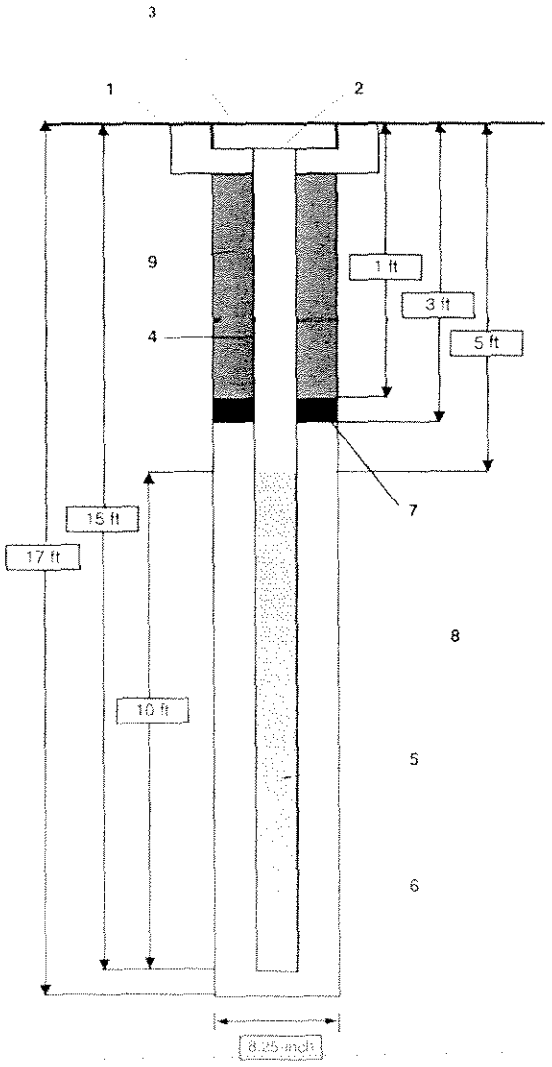
Company:	Drillpro LLC d/b/a Groundwater Protection
Address:	2300 Silver Star Road
C,S,Z:	Orlando, Florida 32804-3310
Phone/FAX:	(407) 426-7885 / (407) 426-7586

CH2MHILL

PROJECT NUMBER	WELL NUMBER	
177311	OLD-17-34A	SHEET 1 OF 1

WELL COMPLETION DIAGRAM

PROJECT : NTC - SA17
LOCATION: Orlando, Florida
DRILLING CONTRACTOR : Precision Drilling
NORTHING 1409546.61
DRILLING METHOD AND EQUIPMENT USED : Hollow Stem Augering (4.25-inch I.D. and 8.25-inch O.D.)
EASTING: 546933.56
WATER LEVELS : 6.55 feet below TOC
START : 3/27/2000
END : 3/27/2000
LOGGER : J. Ottoson



1- Ground elevation at well	90.70 ft above msl
2- Top of casing elevation	90.44 ft above msl
3- Protective cover type	8-inch manhole
a) concrete pad dimensions	3 ft x 3 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.010-inch dia. machine slotted PVC
6- Type filter pack	20/30 sieve size silica sand (7 bags)
7- Type of seal	3/8-inch bentonite pellets
8- Borehole diameter	8.25-inch
9- Grout	Portland cement

Note: Diagram not to scale.

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: Jennifer Otoson

DRILLING CONTRACTOR: Precision Drilling

DRILLING TECHNIQUE: HSA

AUGER SIZE AND TYPE: 4 1/4" HSA

BOREHOLE IDENTIFICATION: —

BOREHOLE DIAMETER: 8 1/4"

WELL IDENTIFICATION: OLD-17-34A

WELL CONSTRUCTION START DATE: 3-27-00

WELL CONSTRUCTION COMPLETE DATE: 3-27-00

SCREEN MATERIAL: PVC

SCREEN DIAMETER: 2"

STRATUM-SCREENED INTERVAL (FT): 5-15'

CASING MATERIAL: PVC

CASING DIAMETER: 2"

TYPE OF FILTER PACK: 20/30 sand

GRADIATION: 20/30

AMOUNT OF FILTER PACK USED: 7 bags

TYPE OF BENTONITE: Pellets

AMOUNT BENTONITE USED: 2'

TYPE OF CEMENT: Portland Type 1

AMOUNT CEMENT USED: 94 lbs

GROUT MATERIALS USED: 2'

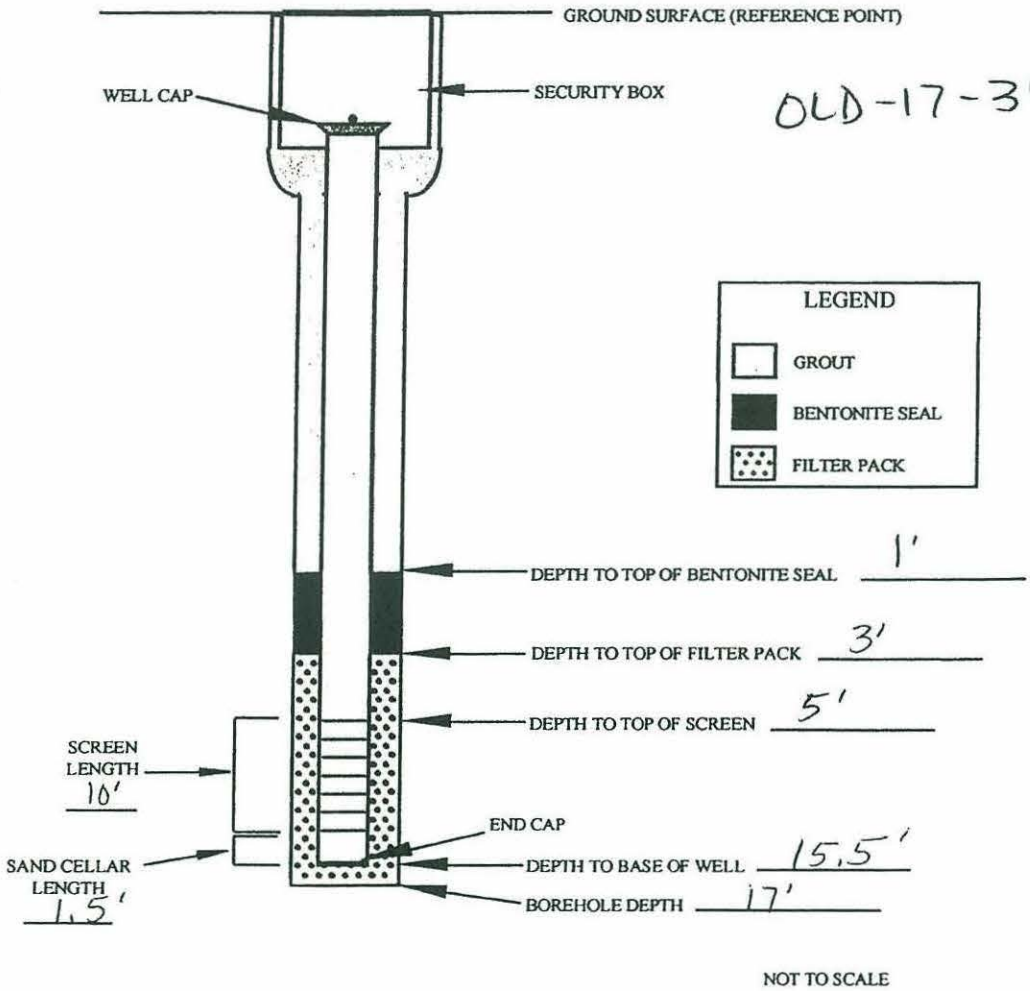
DIMENSIONS OF SECURITY BOX: 8x8"

TYPE OF WELL CAP: LEP

TYPE OF END CAP: Female point

COMMENTS:

SPECIAL CONDITIONS
(describe and draw)



INSTALLED BY: JOD

INSTALLATION OBSERVED BY:

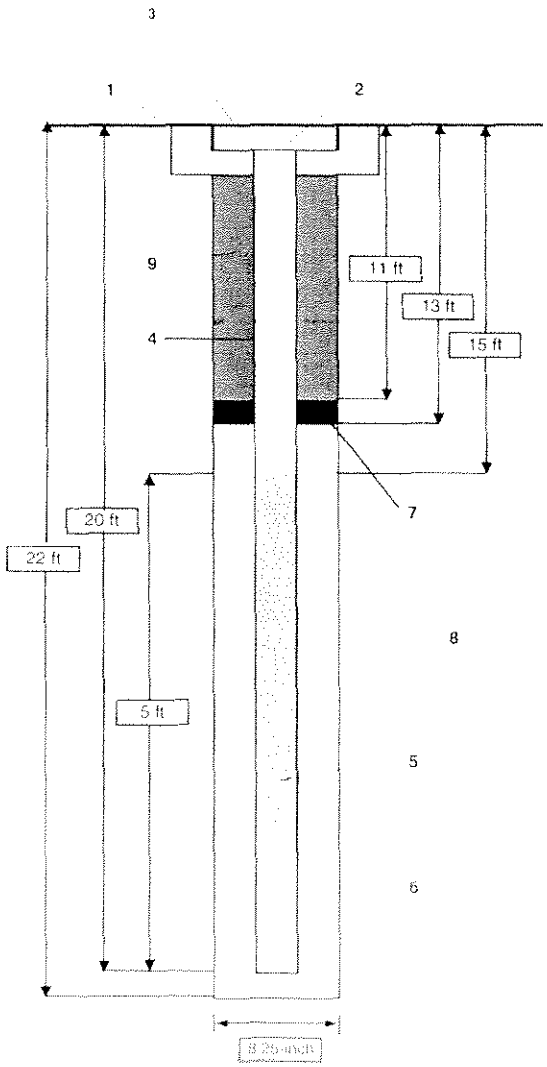
DISCREPANCIES:

CH2MHILL

PROJECT NUMBER	WELL NUMBER	
177311	OLD-17-35B	SHEET 1 OF 1

WELL COMPLETION DIAGRAM

PROJECT: NTC - SA17 LOCATION: Orlando, Florida
DRILLING CONTRACTOR: Precision Drilling NORTHING: 1496943.09
DRILLING METHOD AND EQUIPMENT USED: Hollow Stem Augering (4.25-inch I.D. and 8.25-inch O.D.) EASTING: 546938.21
WATER LEVELS: 6.32 feet below TOC START: 3/27/2000 END: 3/27/2000 LOGGER: J. Ottoson



1- Ground elevation at well	90.6	ft above msl
2- Top of casing elevation	90.20	ft above msl
3- Protective cover type	8-inch manhole	
a) concrete pad dimensions	3 ft x 3 ft x 4-inches deep	
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC	
5- Type/slot size of screen	0.010-inch dia. machine slotted PVC	
6- Type filter pack	20/30 sieve size silica sand (7 bags)	
7- Type of seal	3/8-inch bentonite pellets	
8- Borehole diameter	8.25-inch	
9- Grout	Portland cement	

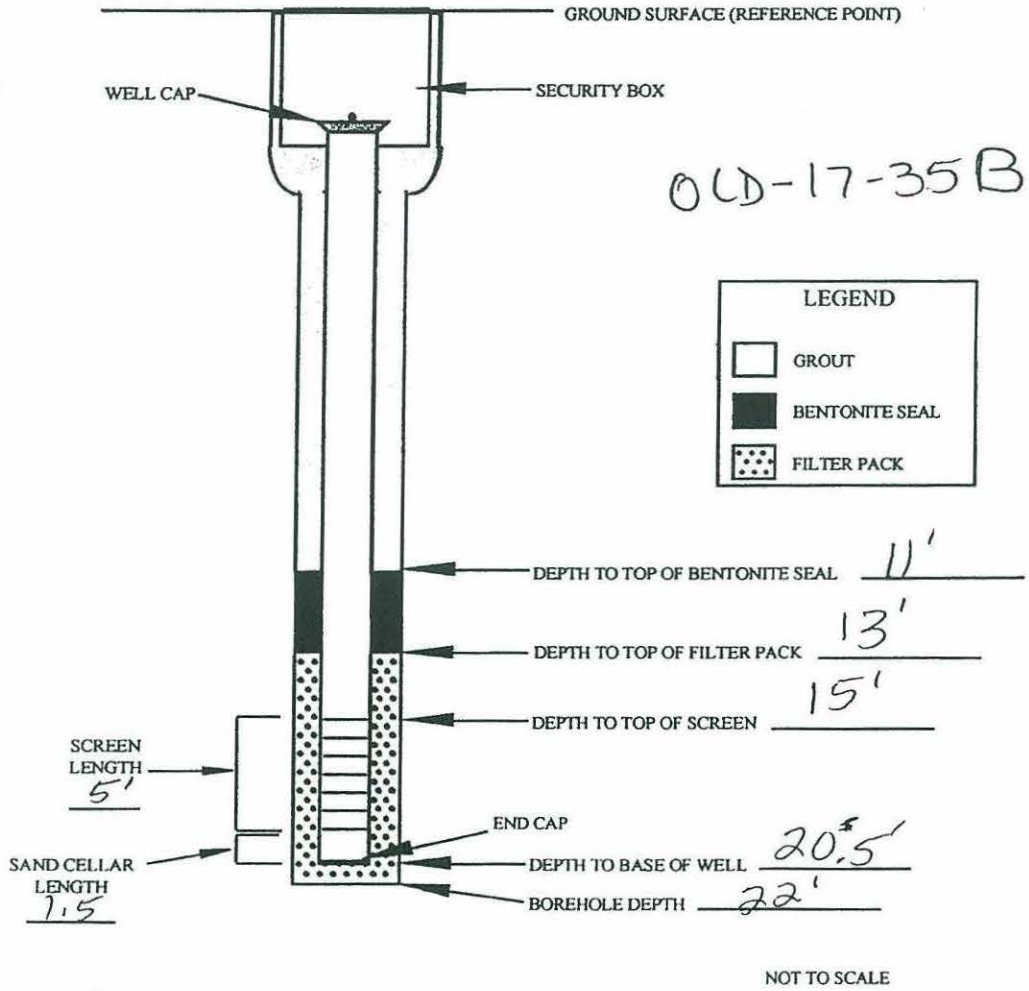
Note: Diagram not to scale.

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: Jennifer OTTOSON
DRILLING CONTRACTOR: Precision Drilling
DRILLING TECHNIQUE: HSA
AUGER SIZE AND TYPE: 4¼" HSA
BOREHOLE IDENTIFICATION: –
BOREHOLE DIAMETER: 8¼"
WELL IDENTIFICATION: OLD-17-35B
WELL CONSTRUCTION START DATE: 3-27-00
WELL CONSTRUCTION COMPLETE DATE: 3-27-00
SCREEN MATERIAL: PVC
SCREEN DIAMETER: 2"
STRATUM-SCREENED INTERVAL (FT): 15' - 20'
CASING MATERIAL: PVC
CASING DIAMETER: 2"

TYPE OF FILTER PACK: Sand
GRADIATION: 20/30
AMOUNT OF FILTER PACK USED: 7 bags
TYPE OF BENTONITE: Pellets
AMOUNT BENTONITE USED: 2'
TYPE OF CEMENT: Portland Type I
AMOUNT CEMENT USED: 94 lbs
GROUT MATERIALS USED: 11'
DIMENSIONS OF SECURITY BOX: 8x8"
TYPE OF WELL CAP: LEP
TYPE OF END CAP: Female pt
COMMENTS:

SPECIAL CONDITIONS
(describe and draw)



INSTALLED BY: JJW
INSTALLATION OBSERVED BY:

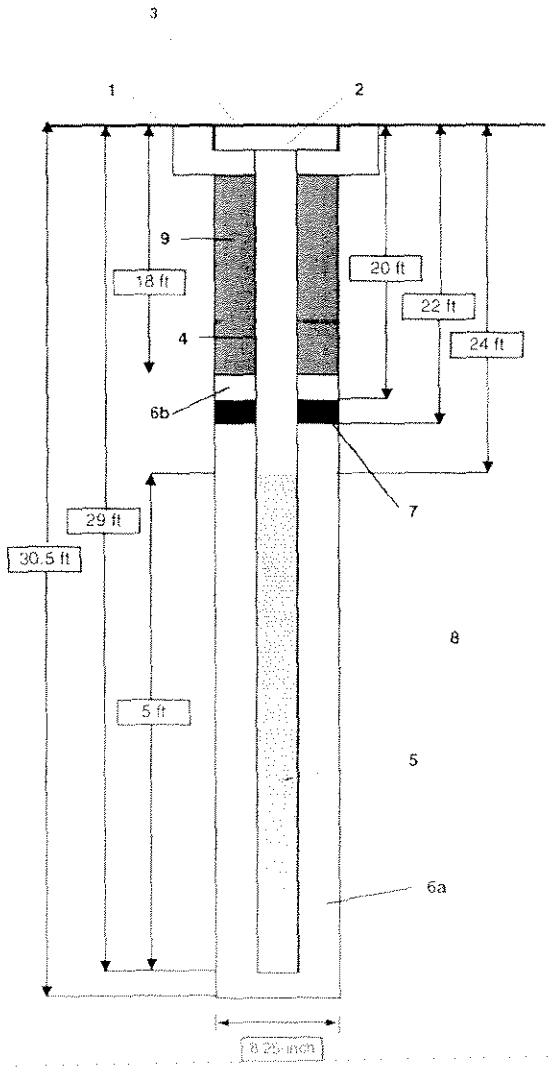
DISCREPANCIES:

CH2MHILL

PROJECT NUMBER	WELL NUMBER	
177311	OLD-17-36B	SHEET 1 OF 1

WELL COMPLETION DIAGRAM

PROJECT : NTC - SA17
LOCATION: Orlando, Florida
DRILLING CONTRACTOR : Precision Drilling
NORTHING 1490208.17
DRILLING METHOD AND EQUIPMENT USED : Hollow Stem Augering (4.25-inch I.D. and 8.25-inch O.D.)
EASTING: 547281.26
WATER LEVELS : 5.93 feet below TOC
START : 3/28/2000
END: 3/28/2000
LOGGER : J. Ottoson



1- Ground elevation at well 89.6 ft above msl

2- Top of casing elevation 89.18 ft above msl

3- Protective cover type 8-inch manhole
a) concrete pad dimensions 3 ft x 3 ft x 4-inches deep

4- Dia./type of well casing 2-inch inside diameter schedule 40 PVC

5- Type/slot size of screen 0.010-inch dia. machine slotted PVC

6- Type filter pack
a) 20/30 sieve size silica sand (7 bags)
b) 30/65 sieve size silica sand (1 bag)

7- Type of seal 3/8-inch bentonite pellets

8- Borehole diameter 8.25-inch

9- Grout Portland cement

Note: Diagram not to scale.

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: Jennifer Ottosen
DRILLING CONTRACTOR: Precision Drilling

DRILLING TECHNIQUE: HSA
AUGER SIZE AND TYPE: 4 1/4" HSA

BOREHOLE IDENTIFICATION: —
BOREHOLE DIAMETER: 8 1/4"
WELL IDENTIFICATION: OLD-17-36B

WELL CONSTRUCTION START DATE: 3-28-00
WELL CONSTRUCTION COMPLETE DATE: 3-28-00

SCREEN MATERIAL: PVC
SCREEN DIAMETER: 2"
STRATUM-SCREENED INTERVAL (FT): 24-29'

CASING MATERIAL: PVC
CASING DIAMETER: 2"

TYPE OF FILTER PACK: Sand
GRADIATION: 20/30
AMOUNT OF FILTER PACK USED: 7 bags

TYPE OF BENTONITE: pellets
AMOUNT BENTONITE USED: 2'

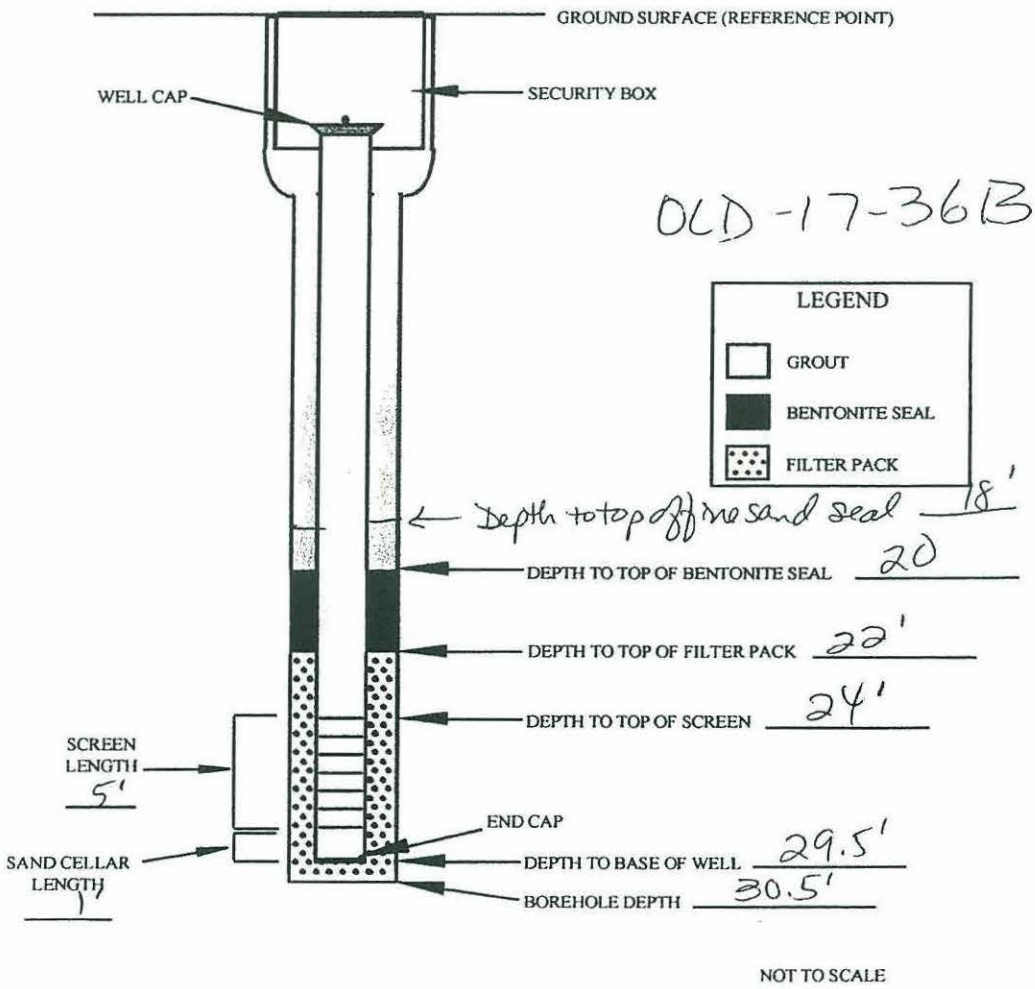
TYPE OF CEMENT: Portland type I
AMOUNT CEMENT USED: 94 lbs
GROUT MATERIALS USED: 15'

DIMENSIONS OF SECURITY BOX: 8x8"

TYPE OF WELL CAP: LEP
TYPE OF END CAP: female pt

COMMENTS:

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

INSTALLED BY: [illegible]
INSTALLATION OBSERVED BY:

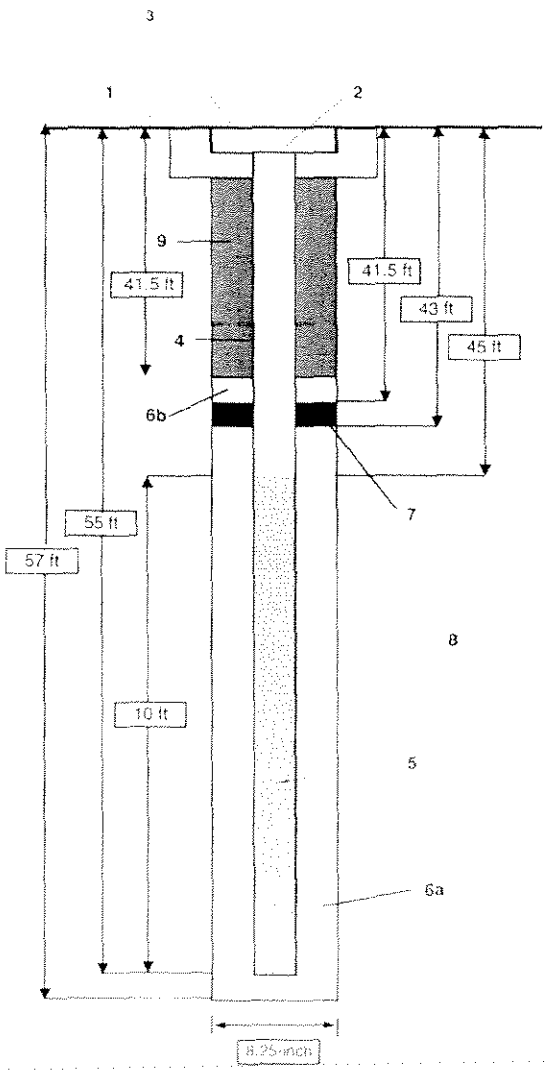
DISCREPANCIES:

CH2MHILL

PROJECT NUMBER	WELL NUMBER	
177311	OLD-17-37C	SHEET 1 OF 1

WELL COMPLETION DIAGRAM

PROJECT : NTC - SA17
LOCATION: Orlando, Florida
DRILLING CONTRACTOR : Precision Drilling
NORTHING 1490214.22
DRILLING METHOD AND EQUIPMENT USED : Hollow Stem Augering (4.25-inch I.D. and 8.25-inch O.D.)
EASTING: 547283.66
WATER LEVELS : 6.57 feet below TOC
START : 3/28/2000
END: 3/28/2000
LOGGER : J. Ottoson



1- Ground elevation at well	89.6	ft above msl
2- Top of casing elevation	89.24	ft above msl
3- Protective cover type	8-inch manhole	
a) concrete pad dimensions	3 ft x 3 ft x 4-inches deep	
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC	
5- Type/slot size of screen	0.010-inch dia. machine slotted PVC	
6- Type filter pack	a) 20/30 sieve size silica sand (7 bags)	
	b) 30/65 sieve size silica sand (1 bag)	
7- Type of seal	3/8-inch bentonite pellets	
8- Borehole diameter	8.25-inch	
9- Grout	Portland cement	

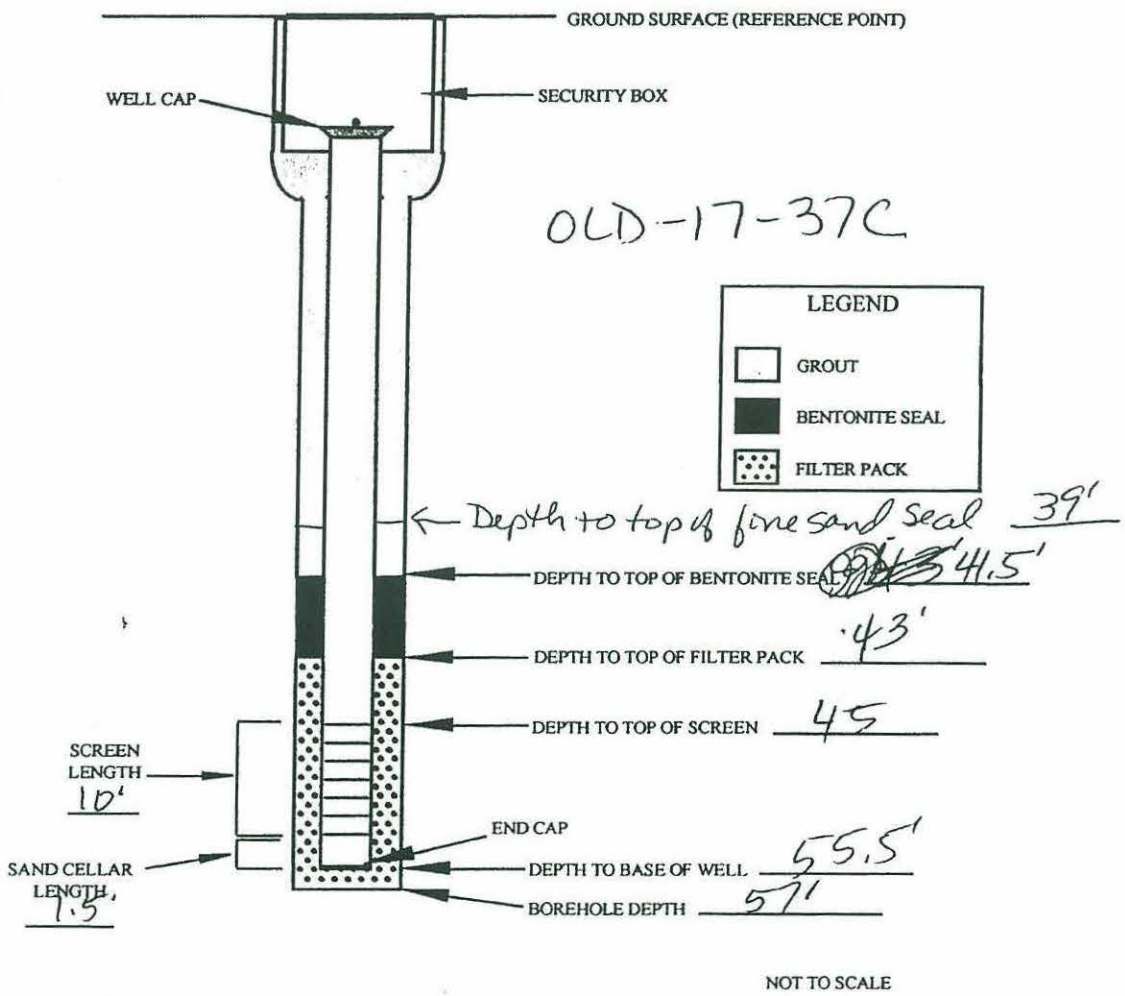
Note: Diagram not to scale.

WELL CONSTRUCTION DETAILS AND ABANDONMENT FORM

FIELD REPRESENTATIVE: Jennifer Ottosen
DRILLING CONTRACTOR: Precision Drilling
DRILLING TECHNIQUE: HSA
AUGER SIZE AND TYPE: 4¼ HSA
BOREHOLE IDENTIFICATION: —
BOREHOLE DIAMETER: 8¼"
WELL IDENTIFICATION: OLD-17-37C
WELL CONSTRUCTION START DATE: 3-28-00
WELL CONSTRUCTION COMPLETE DATE: 3-28-00
SCREEN MATERIAL: PVC
SCREEN DIAMETER: ~~2"~~ 2"
STRATUM-SCREENED INTERVAL (FT): 45-55'
CASING MATERIAL: PVC
CASING DIAMETER: 2"

TYPE OF FILTER PACK: Sand
GRADIATION: 20/30
AMOUNT OF FILTER PACK USED: 7 bags
TYPE OF BENTONITE: pellets
AMOUNT BENTONITE USED: 2'
TYPE OF CEMENT: Portland Type I
AMOUNT CEMENT USED: 94 lbs
GROUT MATERIALS USED: 39'
DIMENSIONS OF SECURITY BOX: 8x8"
TYPE OF WELL CAP: LEP
TYPE OF END CAP: female pt
COMMENTS:

SPECIAL CONDITIONS
(describe and draw)



NOT TO SCALE

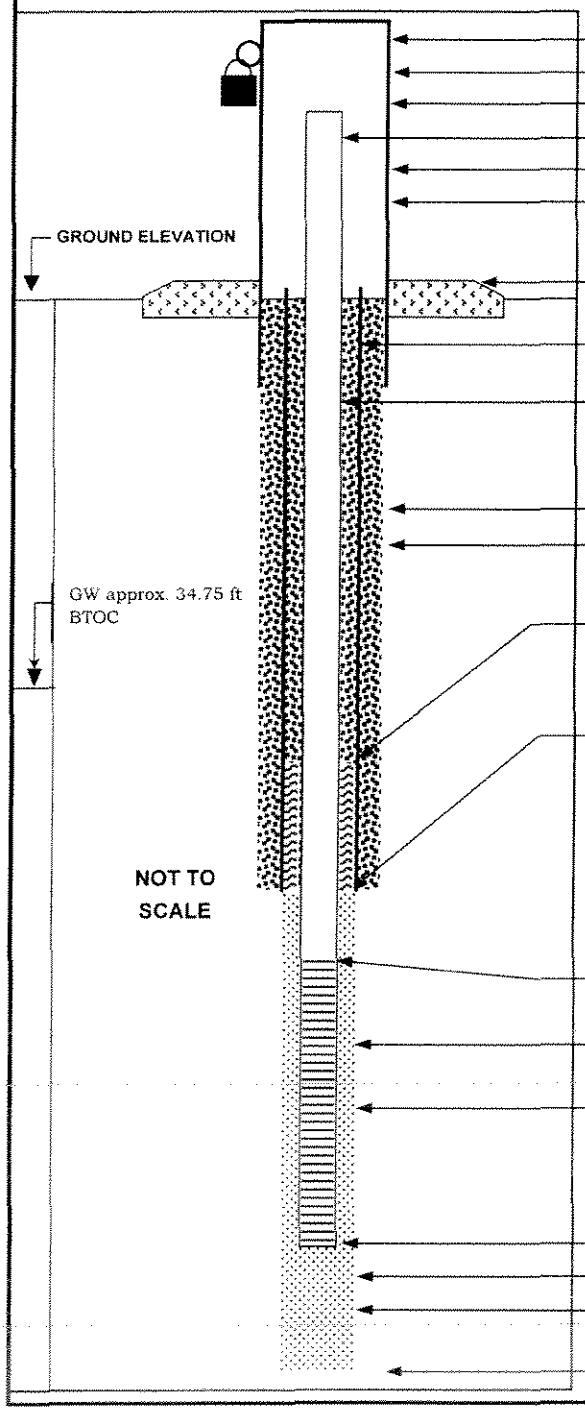
INSTALLED BY: JJD
INSTALLATION OBSERVED BY:

DISCREPANCIES:

WELL NO.: OLD-17-38D

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA17 - McCoy Annex	DRILLER	Russ Wilkie
PROJECT NO.	4206	BORING	OLD-17-38	METHOD:	
ELEVATION		DATE	8/19-20/02	DRILLING	mud rotary
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	sub. pump
					Waterra pump



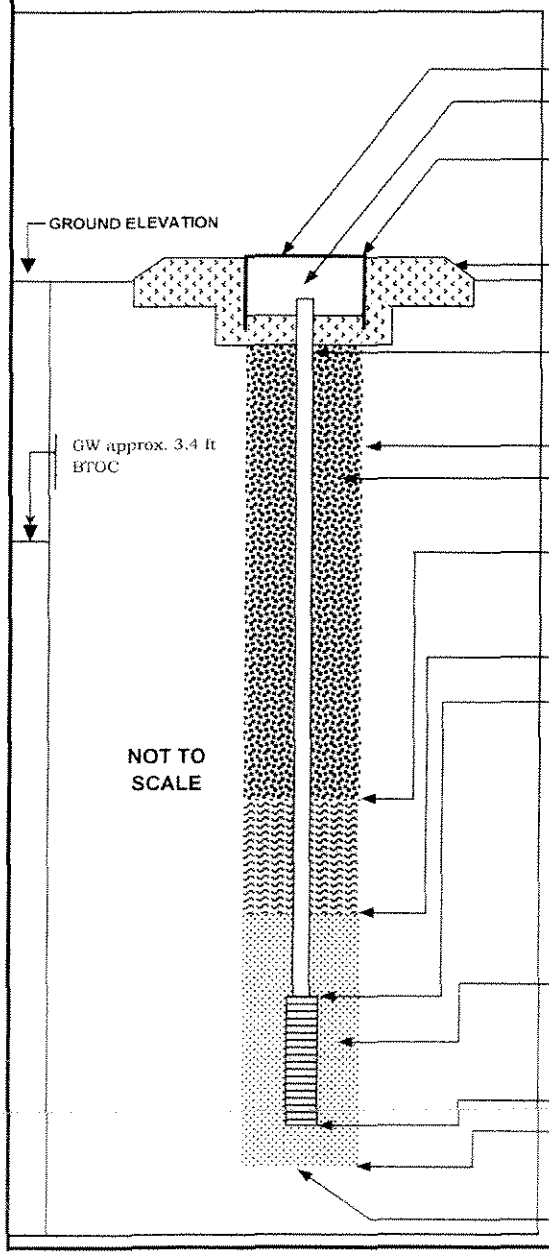
ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3 ft
STICK-UP OF RISER PIPE:	2.8 ft
I.D. OF SURFACE CASING:	4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	3' X 3' concrete pad
OUTER CASING DIAMETER	4 in. (SCH 40 PVC)
RISER PIPE I.D.:	2 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	59 ft
TYPE OF SEAL:	fine sand (30/65)
DEPTH - TOP OF SAND PACK:	62 ft
TYPE OF SCREEN:	2 in. X 3 in. U Pak (pre pack)
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
I.D. OF SCREEN:	outer = 3 in., inner = 2 in.
ELEVATION / DEPTH - TOP OF SCREEN:	65 ft
BOREHOLE DIAMETER:	4 in.
TYPE OF SAND PACK:	30/65 inside screen, 30/45 in annulus
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	70 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	70.5 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	70.5 ft

COMMENTS: Outer casing set at 60 ft below ground surface.

WELL NO.: OLD-17-39C

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 17 - McCoy Annex	DRILLER	Russ Wilkie
PROJECT NO.	4206	BORING	OLD-17-39	METHOD:	
ELEVATION		DATE	19-Aug-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	centrifugal pump



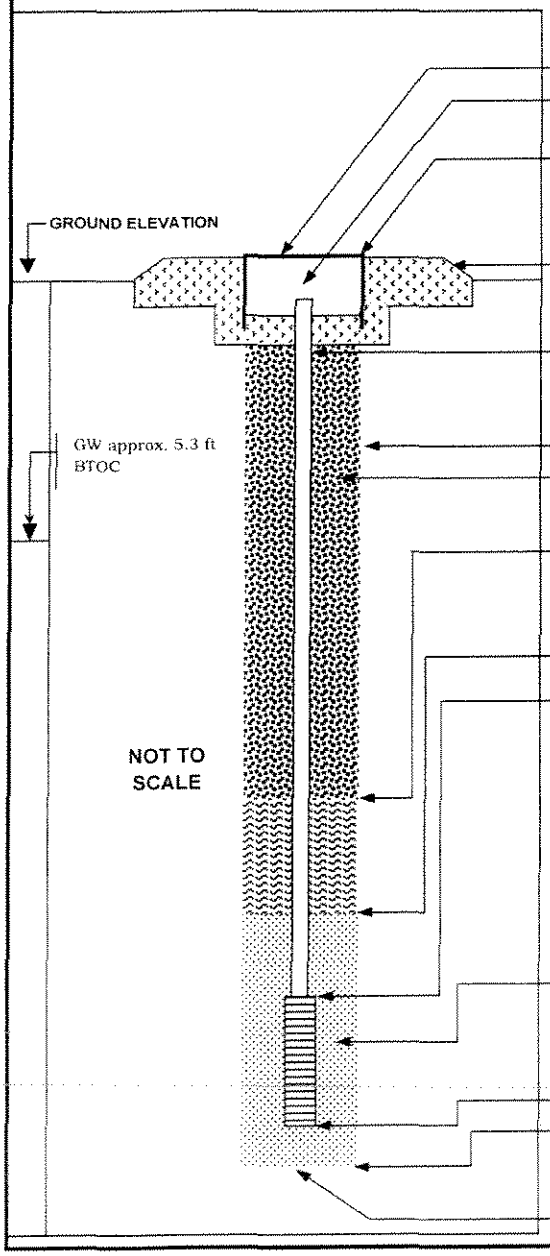
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	3' X 3' concrete pad
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	41 ft
TYPE OF SEAL:	3/8-in. bentonite pellets
DEPTH - TOP OF SAND PACK:	43 ft
ELEVATION / DEPTH - TOP OF SCREEN:	45 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in. (pre-packed)
TYPE OF SAND PACK:	30/65 inside screen 30/45 in annulus
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	50 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	51 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	51 ft

COMMENTS:

WELL NO.: OLD-17-40C

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 17 - McCoy Annex	DRILLER	Russ Wilkie
PROJECT NO.	4206	BORING	OLD-17-40	METHOD:	
ELEVATION		DATE	20-Aug-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	centrifugal pump



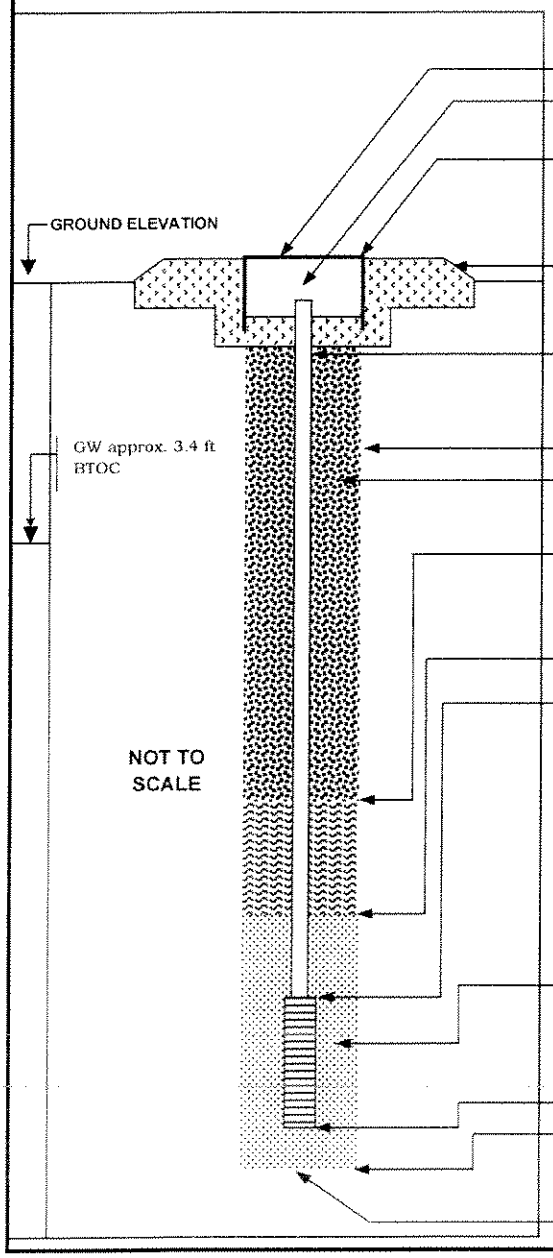
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	3' X 3' concrete pad
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	41 ft
TYPE OF SEAL:	3/8-in. bentonite pellets
DEPTH - TOP OF SAND PACK:	43 ft
ELEVATION / DEPTH - TOP OF SCREEN:	45 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in. (pre-packed)
TYPE OF SAND PACK:	30/65 inside screen 30/45 in annulus
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	50 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	51 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	51 ft

COMMENTS:

WELL NO.: OLD-17-41C

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 17 - McCoy Annex	DRILLER	Russ Wilkie
PROJECT NO.	4206	BORING	OLD-17-41	METHOD:	
ELEVATION		DATE	20-Aug-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	centrifugal pump



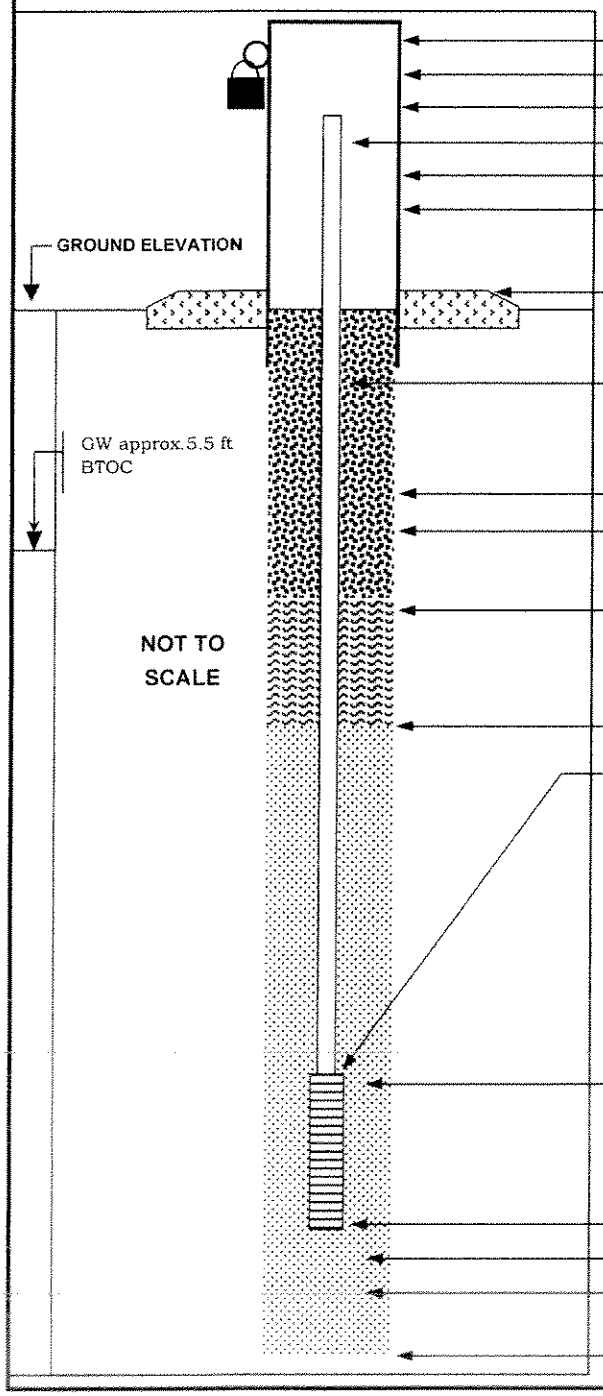
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	3' X 3' concrete pad
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION/DEPTH OF SEAL:	42 ft
TYPE OF SEAL:	3/8-in. bentonite pellets
DEPTH - TOP OF SAND PACK:	44 ft
ELEVATION/DEPTH - TOP OF SCREEN:	46 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in. (pre-packed)
TYPE OF SAND PACK:	30/65 inside screen 30/45 in annulus
ELEVATION/DEPTH TO BOTTOM OF SCREEN:	51 ft
ELEVATION/DEPTH TO BOTTOM OF SAND PACK:	52 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION/DEPTH TO BOTTOM OF BOREHOLE:	52 ft

COMMENTS:

WELL NO.: OLD-OU2-42B

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA17 - McCoy Annex	DRILLER	Russ Wilkie
PROJECT NO.	4206	BORING	OLD-17-42	METHOD:	
ELEVATION		DATE	21-Aug-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	centrifugal pump



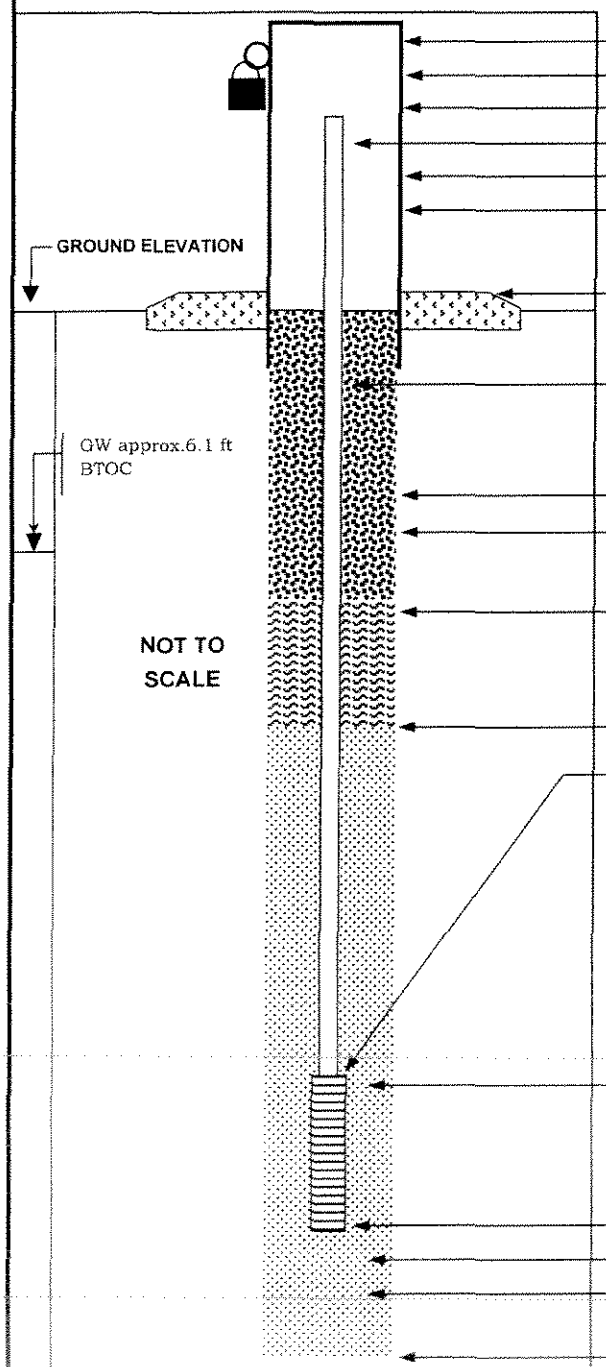
ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3.25 ft
STICK-UP OF RISER PIPE:	3 ft
I.D. OF SURFACE CASING:	4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	3' X 3' concrete pad
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	18 ft
TYPE OF SEAL:	3/8-in. bentonite pellets
DEPTH - TOP OF SAND PACK:	20 ft
ELEVATION / DEPTH - TOP OF SCREEN:	24 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
I.D. OF SCREEN:	2 in. outer X 1 in. inner
TYPE OF SAND PACK:	30/65 inside screen, 30/45 in annulus
ELEVATION / DEPTH TO BOTTOM OF SCREEN	29 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	29.5 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	29.5 ft

NOTES:

WELL NO.: OLD-OU2-43C

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA17 - McCoy Annex	DRILLER	Russ Wilkie
PROJECT NO.	4206	BORING	OLD-17-43	METHOD:	
ELEVATION		DATE	21-Aug-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	centrifugal pump



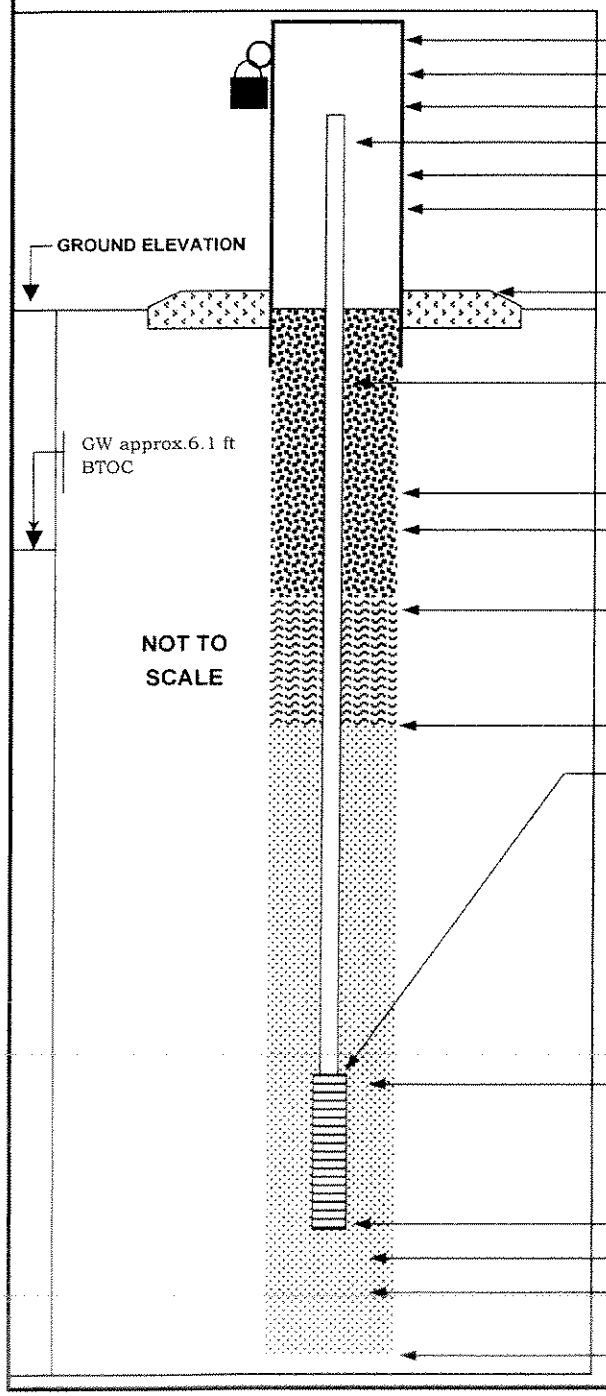
ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3 ft
STICK-UP OF RISER PIPE:	2.8 ft
I.D. OF SURFACE CASING:	4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	3' X 3' concrete pad
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	42 ft
TYPE OF SEAL:	3/8-in. bentonite pellets
DEPTH - TOP OF SAND PACK:	44 ft
ELEVATION / DEPTH - TOP OF SCREEN:	46 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
I.D. OF SCREEN:	2 in. outer X 1 in. inner
TYPE OF SAND PACK:	30/65 inside screen, 30/45 in annulus
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	51 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	51 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	52 ft

NOTES:

WELL NO.: OLD-OU2-44A

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA17 - McCoy Annex	DRILLER	Russ Wilkie
PROJECT NO.	4206	BORING	OLD-17-44	METHOD:	
ELEVATION		DATE	21-Aug-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	Waterra pump



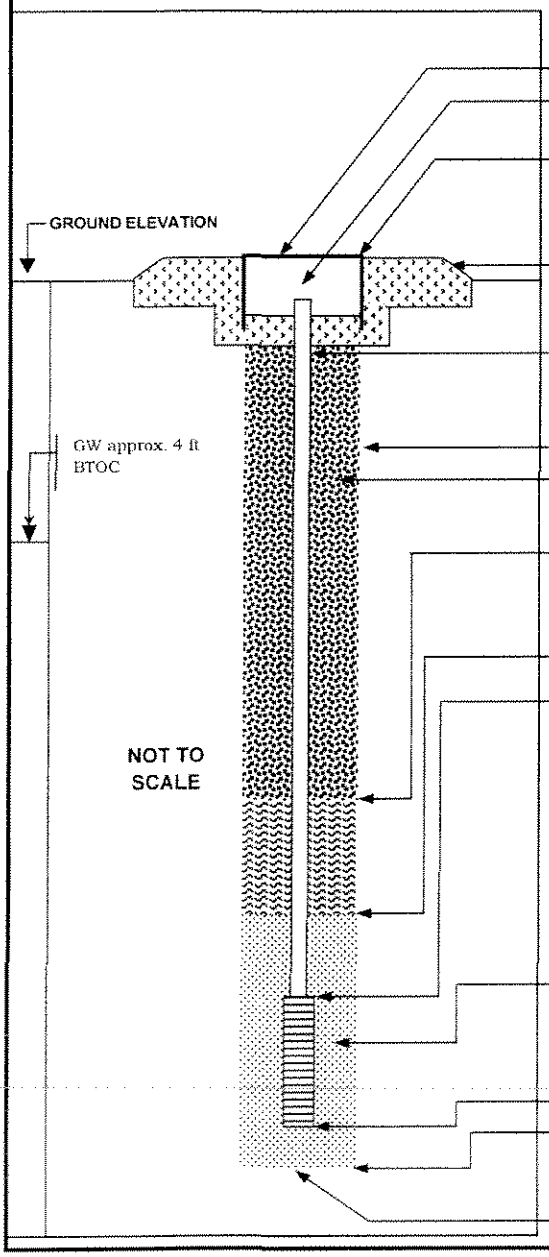
ELEVATION OF TOP OF SURFACE CASING:	
ELEVATION OF TOP OF RISER PIPE:	
STICK-UP TOP OF SURFACE CASING:	3.25 ft
STICK-UP OF RISER PIPE:	3 ft
I.D. OF SURFACE CASING:	4-in. square
TYPE OF SURFACE CASING:	stainless steel
TYPE OF SURFACE SEAL:	3' X 3' concrete pad
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	1 ft
TYPE OF SEAL:	30/65 fine sand
DEPTH - TOP OF SAND PACK:	3 ft
ELEVATION / DEPTH - TOP OF SCREEN:	5 ft
TYPE OF SCREEN:	SCH 40 PVC
SLOT SIZE X LENGTH:	0.006 in. X 10 ft
I.D. OF SCREEN:	2 in. outer X 1 in. inner
TYPE OF SAND PACK:	30/65 inside screen, 30/45 in annulus
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	15 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	15 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	16 ft

NOTES:

WELL NO.: OLD-17-45C

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 17 - McCoy Annex	DRILLER	Russ Wilkie
PROJECT NO.	4206	BORING	OLD-17-45	METHOD:	
ELEVATION		DATE	22-Aug-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	centrifugal pump



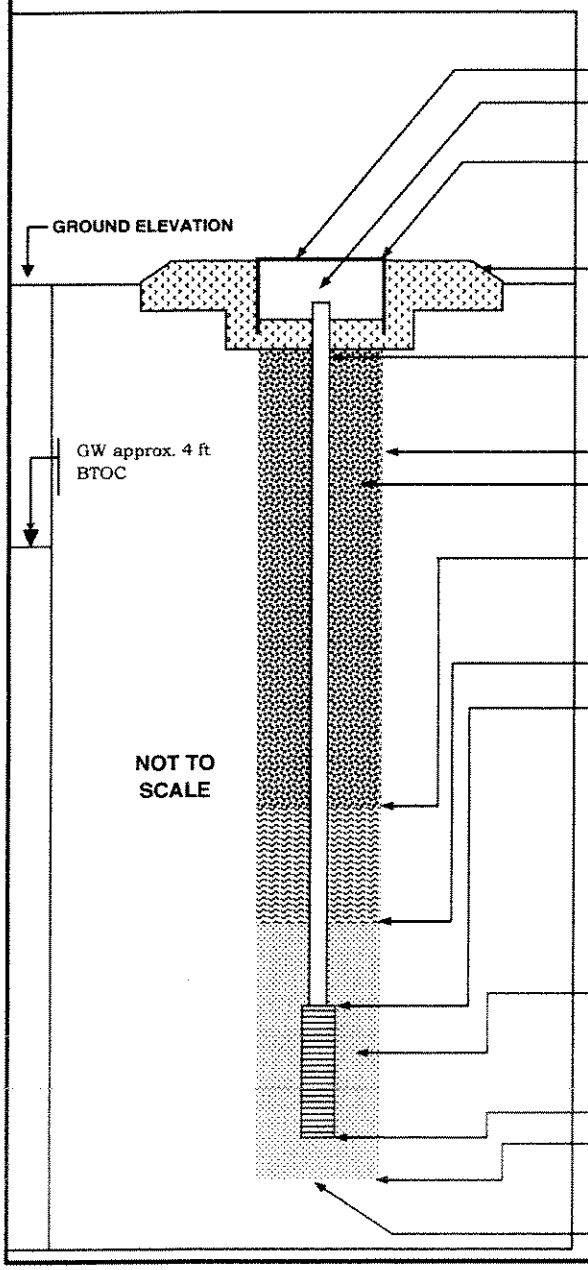
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	3' X 3' concrete pad
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	41 ft
TYPE OF SEAL:	3/8-in. bentonite pellets
DEPTH - TOP OF SAND PACK:	43 ft
ELEVATION / DEPTH - TOP OF SCREEN:	45 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in. (pre-packed)
TYPE OF SAND PACK:	30/65 inside screen 30/45 in annulus
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	50 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	51 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	51 ft

COMMENTS:

WELL NO.: OLD-17-46C

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 17 - McCoy Annex	DRILLER	Russ Wilkie
PROJECT NO.	4206	BORING	OLD-17-46	METHOD:	
ELEVATION		DATE	21-Nov-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	centrifugal pump



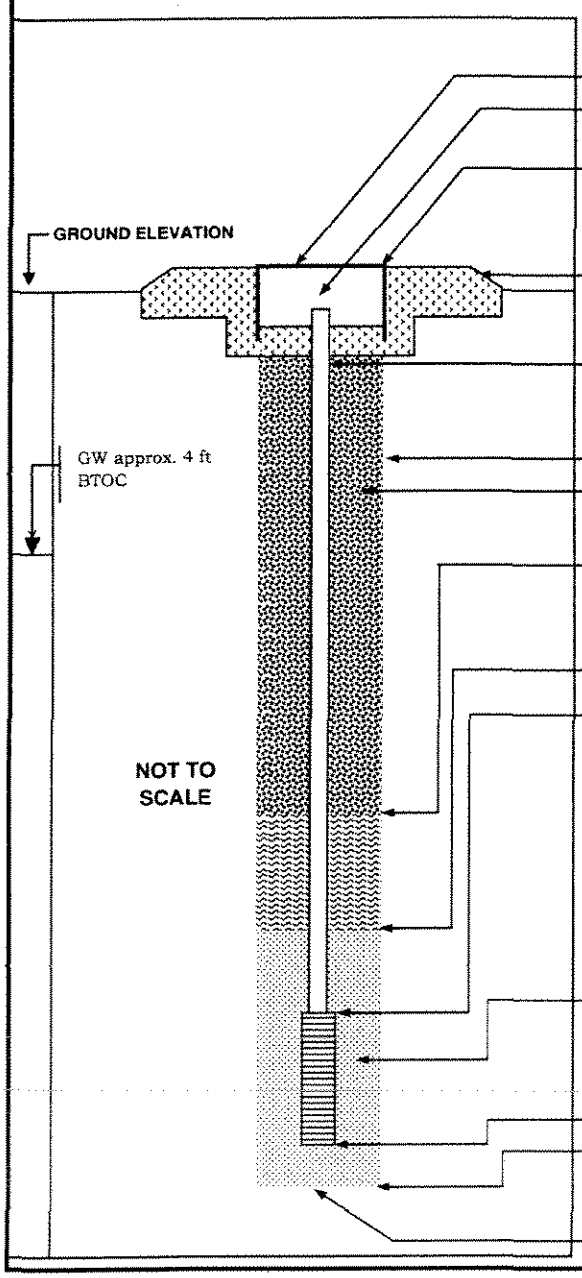
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	3' X 3' concrete pad
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	41 ft
TYPE OF SEAL:	3/8-in. bentonite pellets
DEPTH - TOP OF SAND PACK:	43 ft
ELEVATION / DEPTH - TOP OF SCREEN:	45 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in. (pre-packed)
TYPE OF SAND PACK:	30/65 inside screen 30/45 in annulus
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	50 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	51 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	51 ft

COMMENTS:

WELL NO.: OLD-17-47D

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 17 - McCoy Annex	DRILLER	Russ Wilkie
PROJECT NO.	4206	BORING	OLD-17-47	METHOD:	
ELEVATION		DATE	21-Nov-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	centrifugal pump



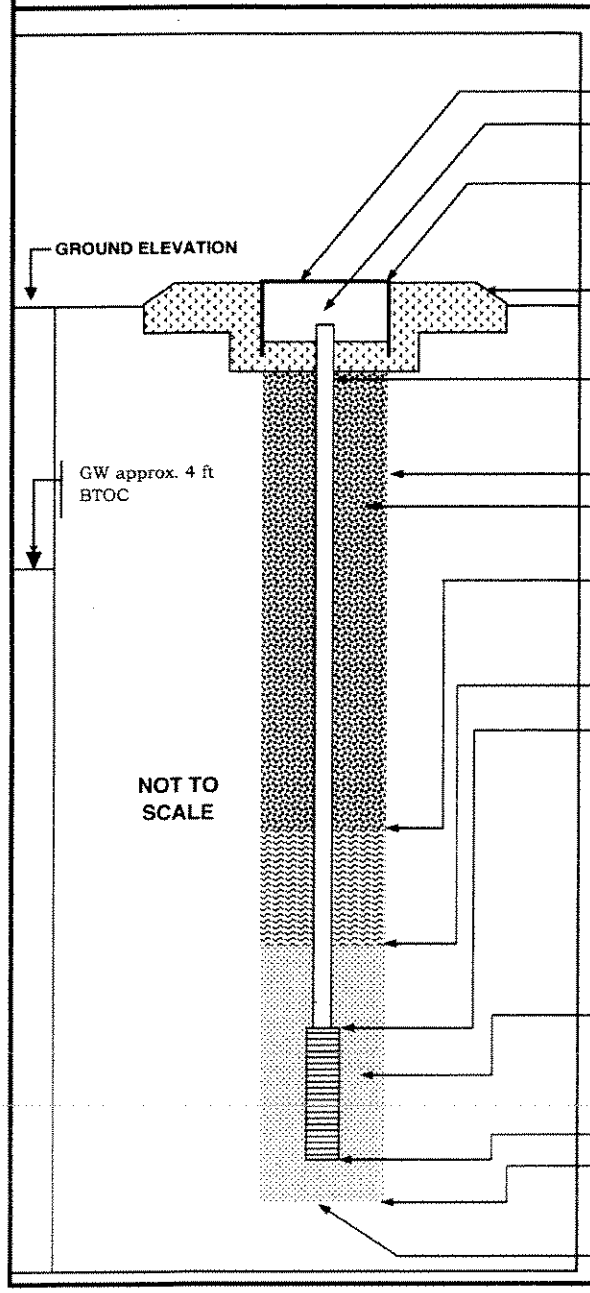
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	3' X 3' concrete pad
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	48 ft
TYPE OF SEAL:	3/8-in. bentonite pellets
DEPTH - TOP OF SAND PACK:	50 ft
ELEVATION / DEPTH - TOP OF SCREEN:	52 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in. (pre-packed)
TYPE OF SAND PACK:	30/65 inside screen 30/45 in annulus
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	57 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	58 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	58 ft

COMMENTS:

WELL NO.: OLD-17-48C

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 17 - McCoy Annex	DRILLER	Jeff Zeigler
PROJECT NO.	4206	BORING	OLD-17-48	METHOD:	
ELEVATION		DATE	22-Nov-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	centrifugal pump



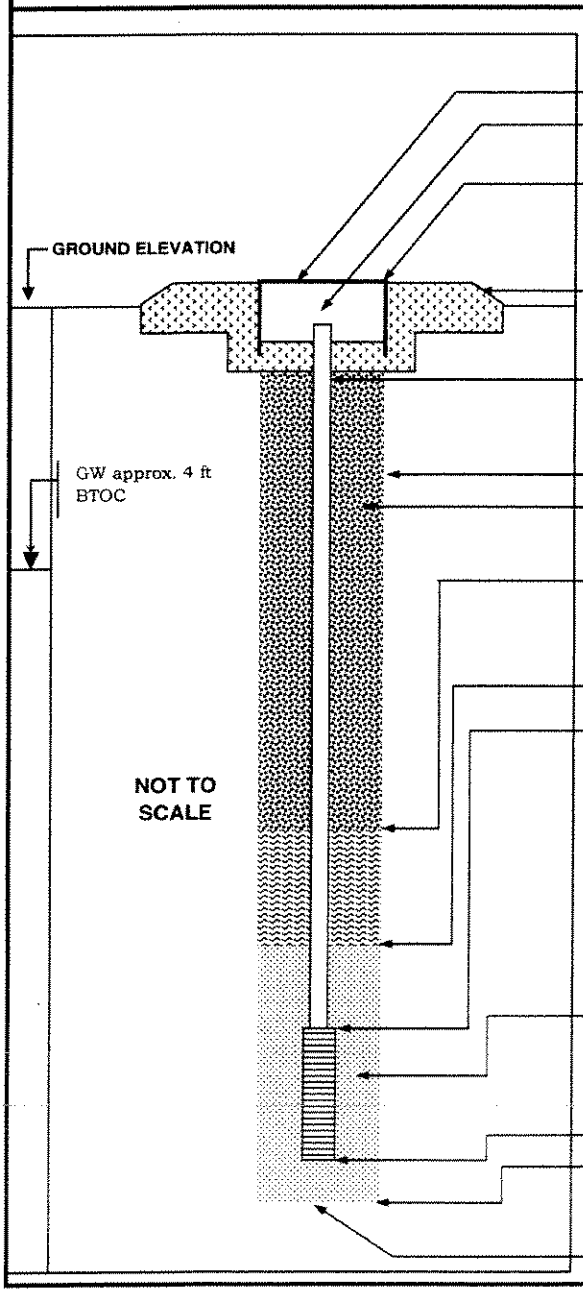
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	3' X 3' concrete pad
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	41 ft
TYPE OF SEAL:	3/8-in. bentonite pellets
DEPTH - TOP OF SAND PACK:	43 ft
ELEVATION / DEPTH - TOP OF SCREEN:	45 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in. (pre-packed)
TYPE OF SAND PACK:	30/65 inside screen 30/45 in annulus
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	50 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	51 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	51 ft

COMMENTS:

WELL NO.: OLD-17-49D

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 17 - McCoy Annex	DRILLER	Jeff Zeigler
PROJECT NO.	4206	BORING	OLD-17-49	METHOD:	
ELEVATION		DATE	22-Nov-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	centrifugal pump



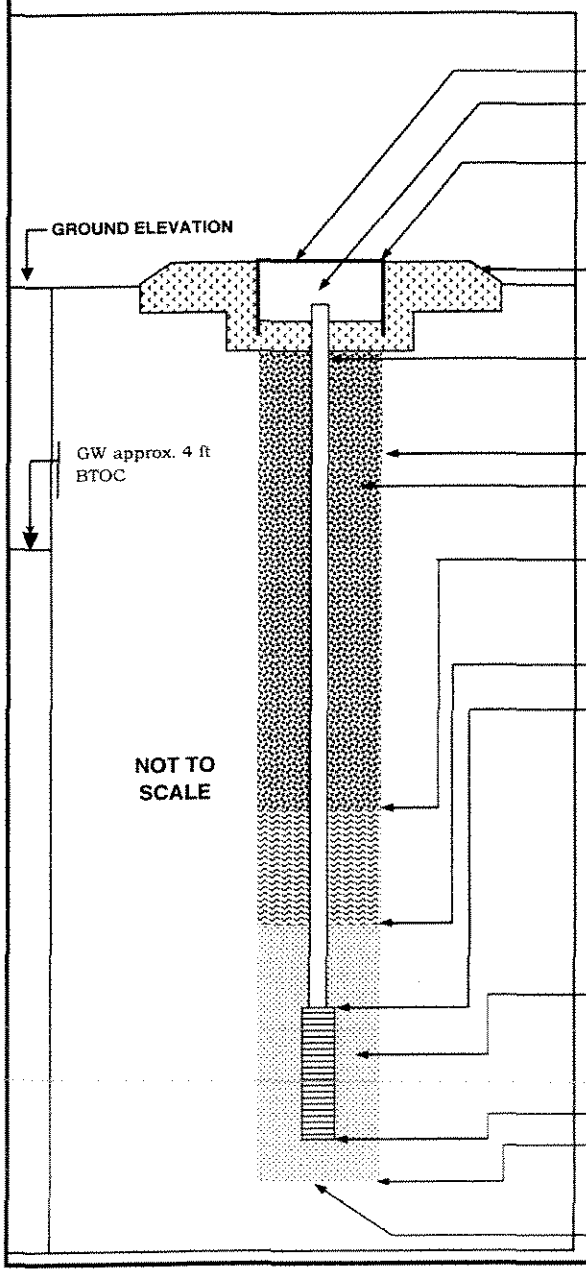
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	3' X 3' concrete pad
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	48 ft
TYPE OF SEAL:	3/8-in. bentonite pellets
DEPTH - TOP OF SAND PACK:	50 ft
ELEVATION / DEPTH - TOP OF SCREEN:	52 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in. (pre-packed)
TYPE OF SAND PACK:	30/65 inside screen 30/45 in annulus
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	57 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	58 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	58 ft

COMMENTS:

WELL NO.: OLD-17-50C

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 17 - McCoy Annex	DRILLER	Russ Wilkie
PROJECT NO.	4206	BORING	OLD-17-50	METHOD:	
ELEVATION		DATE	22-Nov-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	centrifugal pump



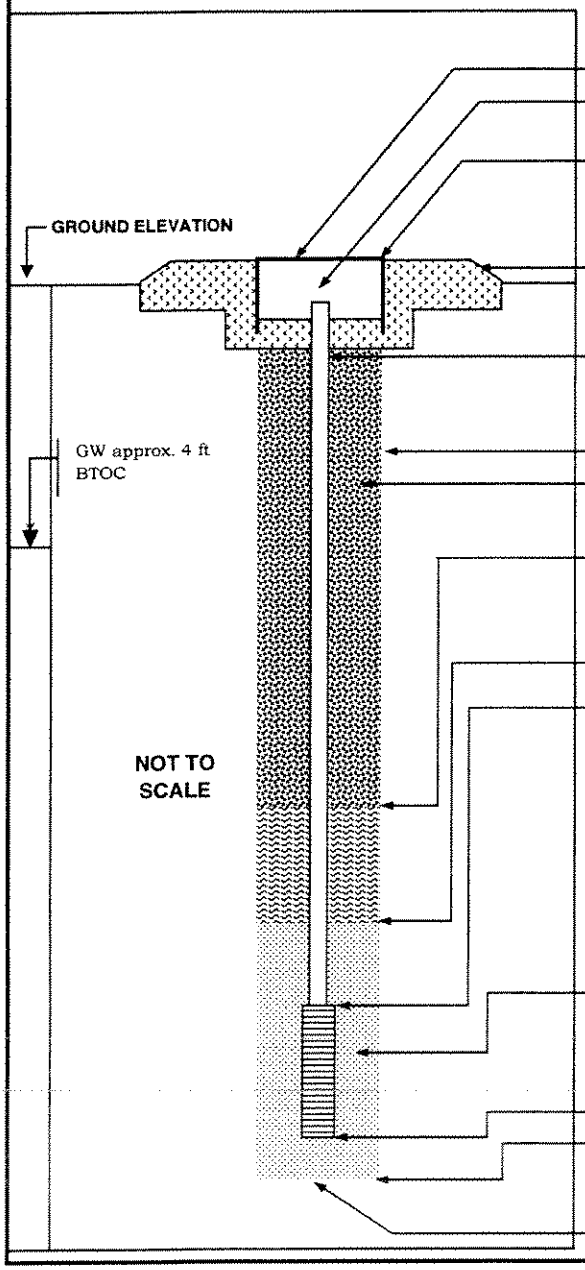
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	3' X 3' concrete pad
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	41 ft
TYPE OF SEAL:	3/8-in. bentonite pellets
DEPTH - TOP OF SAND PACK:	43 ft
ELEVATION / DEPTH - TOP OF SCREEN:	45 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in. (pre-packed)
TYPE OF SAND PACK:	30/65 inside screen 30/45 in annulus
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	50 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	51 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	51 ft

COMMENTS:

WELL NO.: OLD-17-51D

OVERBURDEN MONITORING WELL SHEET

PROJECT	NTC Orlando	LOCATION	SA 17 - McCoy Annex	DRILLER	Russ Wilkie
PROJECT NO.	4206	BORING	OLD-17-51	METHOD:	
ELEVATION		DATE	22-Nov-02	DRILLING	HSA
FIELD GEOLOGIST	Skip Barton			DEVELOPMENT	centrifugal pump



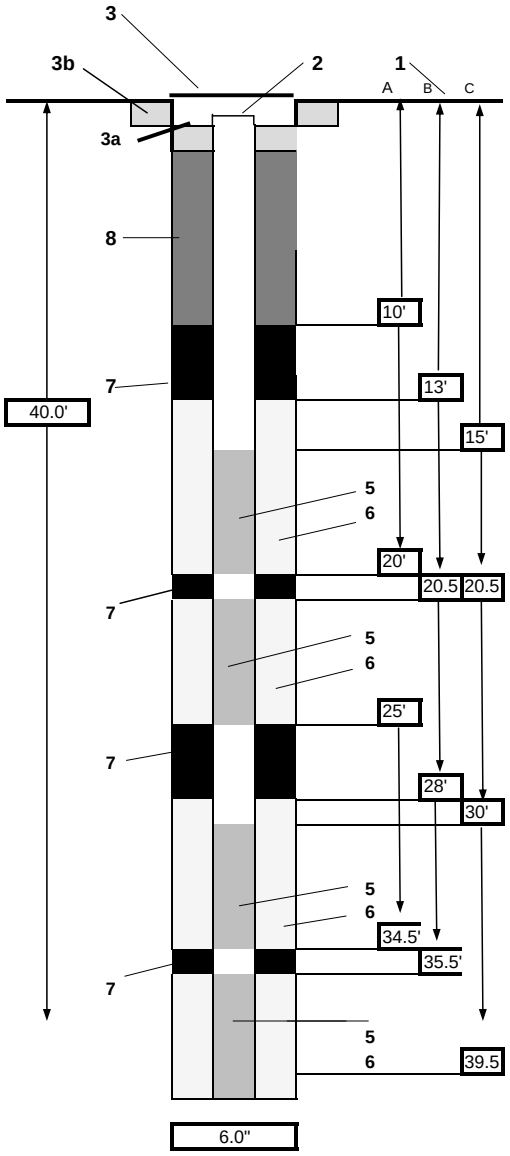
ELEVATION OF TOP OF DRIVE-OVER BOX:	
ELEVATION OF TOP OF RISER PIPE:	
I.D. OF DRIVE-OVER BOX:	8 in.
TYPE OF SURFACE CASING:	cast iron w/ steel sides
TYPE OF SURFACE SEAL:	3' X 3' concrete pad
RISER PIPE I.D.:	1 in.
TYPE OF RISER PIPE:	SCH 40 PVC
BOREHOLE DIAMETER:	8.25 in.
TYPE OF SEAL:	Type I portland cement w/ powdered bentonite
ELEVATION / DEPTH OF SEAL:	48 ft
TYPE OF SEAL:	3/8-in. bentonite pellets
DEPTH - TOP OF SAND PACK:	50 ft
ELEVATION / DEPTH - TOP OF SCREEN:	52 ft
TYPE OF SCREEN:	SCH 40 PVC U-Pack
SLOT SIZE X LENGTH:	0.006 in. X 5 ft
O.D - I.D. OF SCREEN:	2-in. - 1-in. (pre-packed)
TYPE OF SAND PACK:	30/65 inside screen 30/45 in annulus
ELEVATION / DEPTH TO BOTTOM OF SCREEN:	57 ft
ELEVATION / DEPTH TO BOTTOM OF SAND PACK:	58 ft
TYPE OF BACKFILL BELOW MONITORING WELL:	fine-grained sand
ELEVATION / DEPTH TO BOTTOM OF BOREHOLE:	58 ft

COMMENTS:

PROJECT NUMBER	WELL NUMBER	
314641	17-MW53B/C	SHEET 1 OF 1

WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection
LOCATION : Orlando, FL NTC McCoy Ann
NORTHING
DRILLING CONTRACTOR : Prosonic
EASTING
DRILLING METHOD AND EQUIPMENT USED : Rotosonic / 6" OD
WATER LEVELS : START : END : LOGGER : WGE



1- Ground elevation at well: Not obtained

2- Top of casing elevation: non obtained

3- Wellhead protection cover type: Bolt-down manhole cover.
a) drain tube?
b) concrete pad dimensions: 2' X 2' X 6"

4- Dia./type of well casing: 1.7-inch / HDPE multi chamber well

5- Type/slot size of screen: 3 - 6*12" stainless steel mesh 100 w/ .040 wire per screen interval.

6- Type screen filter: 20/30 silica sand

7- Type of seal: Barroid bentonite chips 3/8"

8- Grout
a) Grout mix used: Type I Portland cement w/ 5% bentonite
b) Method of placement: Trimmie

A- Top of Seal
B- Top of filter
C- Top of Screen
Development method
Estimated purge volume
Development time

Comments
Channel 1: 35.5' - 40'
Channel 2: 30' - 34.5'
Channel 3: 20.5' - 25'
Channel 4: 15' - 20'
Channel 5 and 6: Not used
Channel 7: 40' Bottom screen

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-MW-54B	SHEET 1 OF 1

CH2MHILL

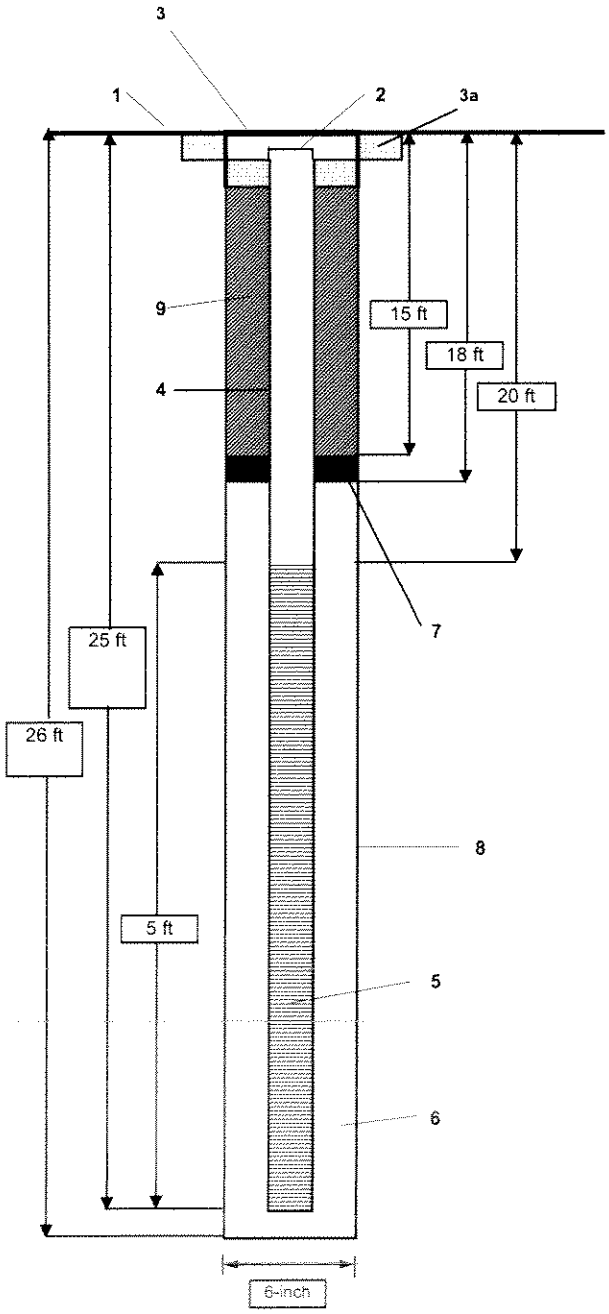
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Anne

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-17-06 END: 5-17-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.010-inch dia. machine slotted PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	3 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	1/2 bag
8- Grout	
a) Grout mix used	Type I/II Portland (.5 bags)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4 % Bentonite in Grout

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-MW-54C	SHEET 1 OF 1

CH2MHILL

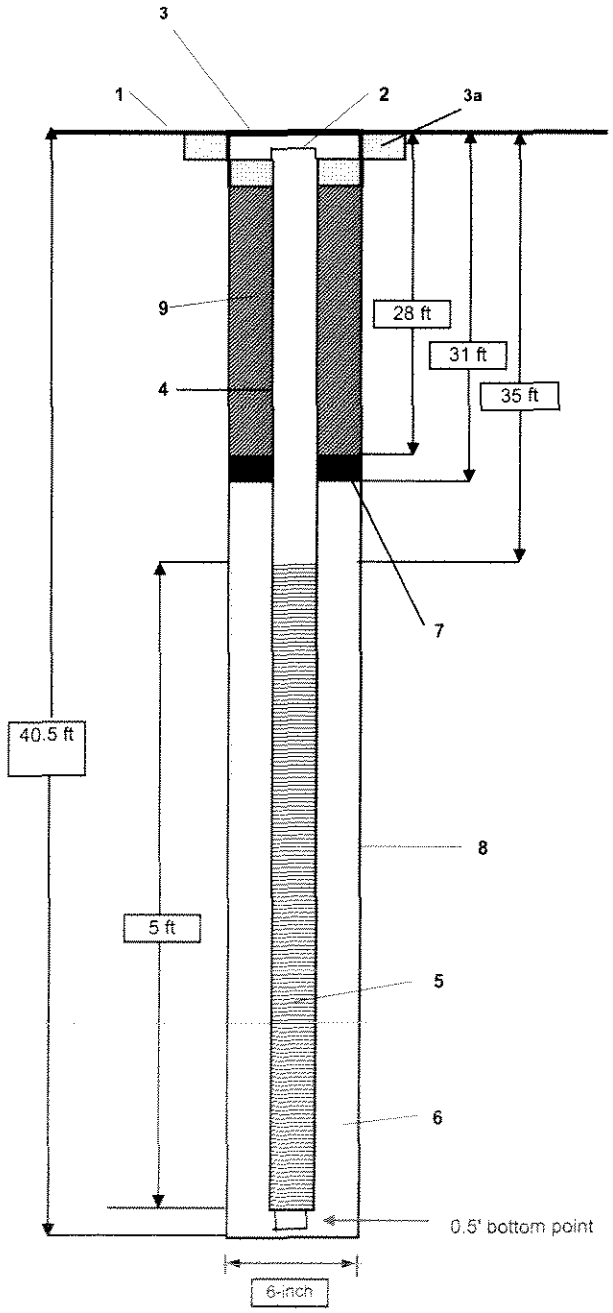
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Anne

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-11-06 END: 5-11-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
a) vent hole	no
3- Protective cover type	8-ich steel manhole
a) weep hole?	no
a) concrete pad dimensions	2 ft x 2 ft
4- Dia./type of well casing	2-inch flush threaded schedule 40 PVC
5- Type/slot size of screen	2"x5'x0.010" schedule 40 mill slot scree PVC
6- Type screen filter	20/30 standard Silica
a) quantities used	3 bags
7- Type of seal	3/8-inch shur-plug
a) quantities used	2/3 bag
8- Grout	
a) Grout mix used	Type I/II Portland (2 bags)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4 % Bentonite in Grout

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-MW-55B	SHEET 1 OF 1

CH2MHILL

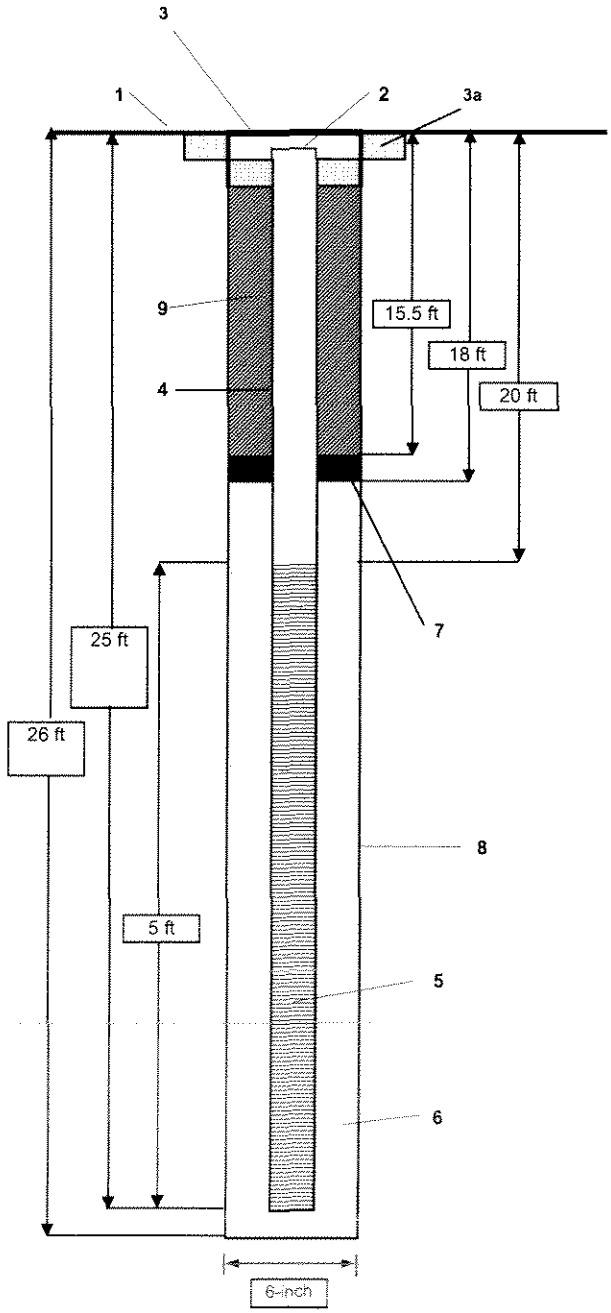
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Anne

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-17-06 END: 5-17-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.010-inch dia. machine slotted PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	3 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	1/2 bag
8- Grout	
a) Grout mix used	Type I/II Portland (1 bags)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4 % Bentonite in Grout

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-MW-55C	SHEET 1 OF 1

CH2MHILL

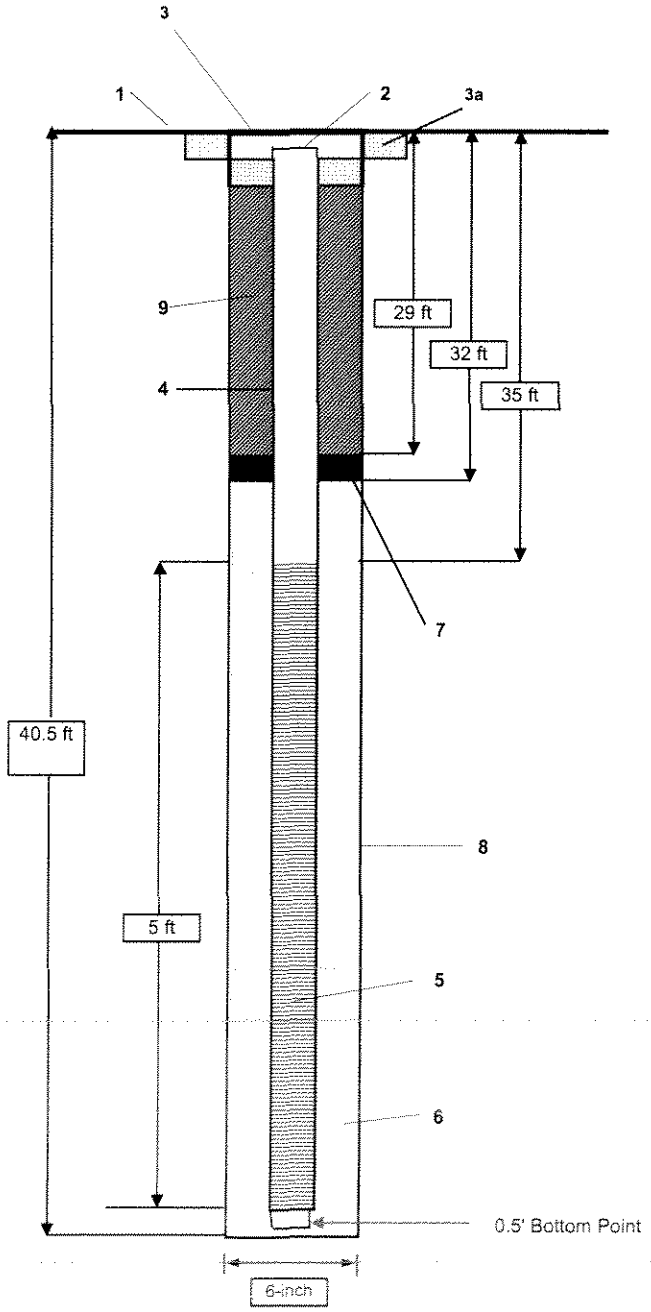
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Anne

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" x6" Sonic — EASTING:

WATER LEVELS : START : 5-10-06 END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	Steel 8" Manhole
a) drain tube?	no
a) concrete pad dimensions	2'x2'
4- Dia./type of well casing	2" flush threaded schedule 40 PVC
5- Type/slot size of screen	0.010" slotted schedule 40 PVC
6- Type screen filter	Standard Silica 20/30
a) quantities used	3 Bags
7- Type of seal	3/8-inch Shur-plug
a) quantities used	1 Bag
8- Grout	
a) Grout mix used	Type I/II Portland
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments: 5 % Bentonite in Grout

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-MW-56B	SHEET 1 OF 1

CH2MHILL

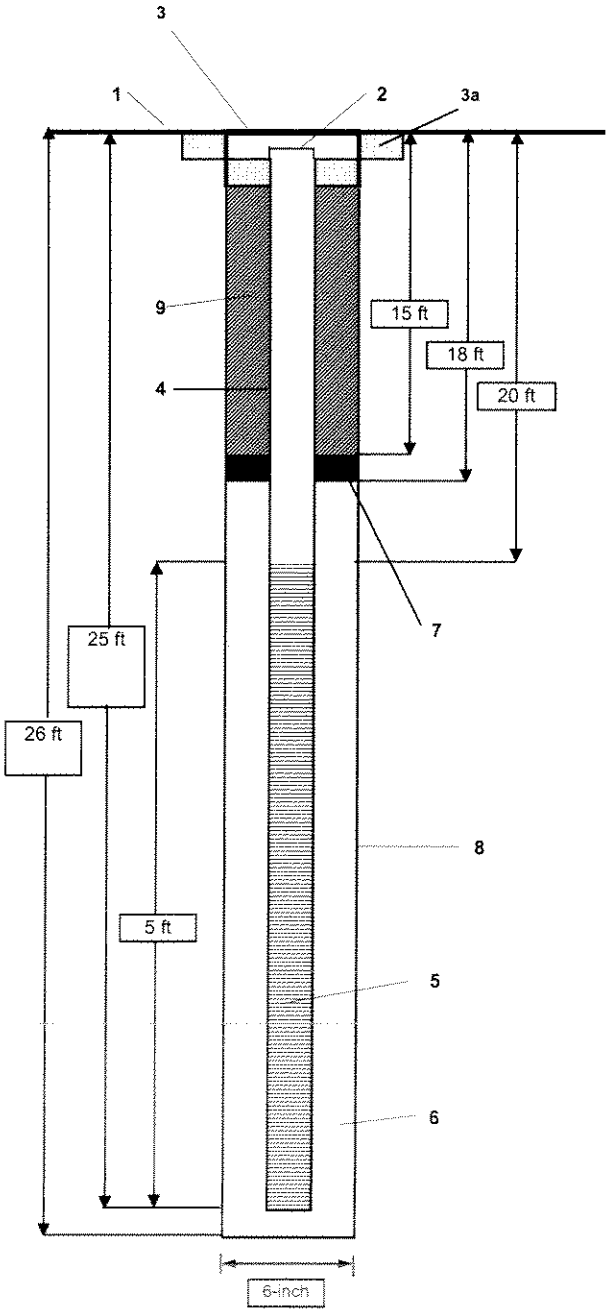
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Anne

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-17-06 END: 5-17-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.010-inch dia. machine slotted PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	3 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	1/2 bag
8- Grout	
a) Grout mix used	Type I/II Portland (1 bag)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4 % Bentonite in Grout

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-MW-56C	SHEET 1 OF 1

CH2MHILL

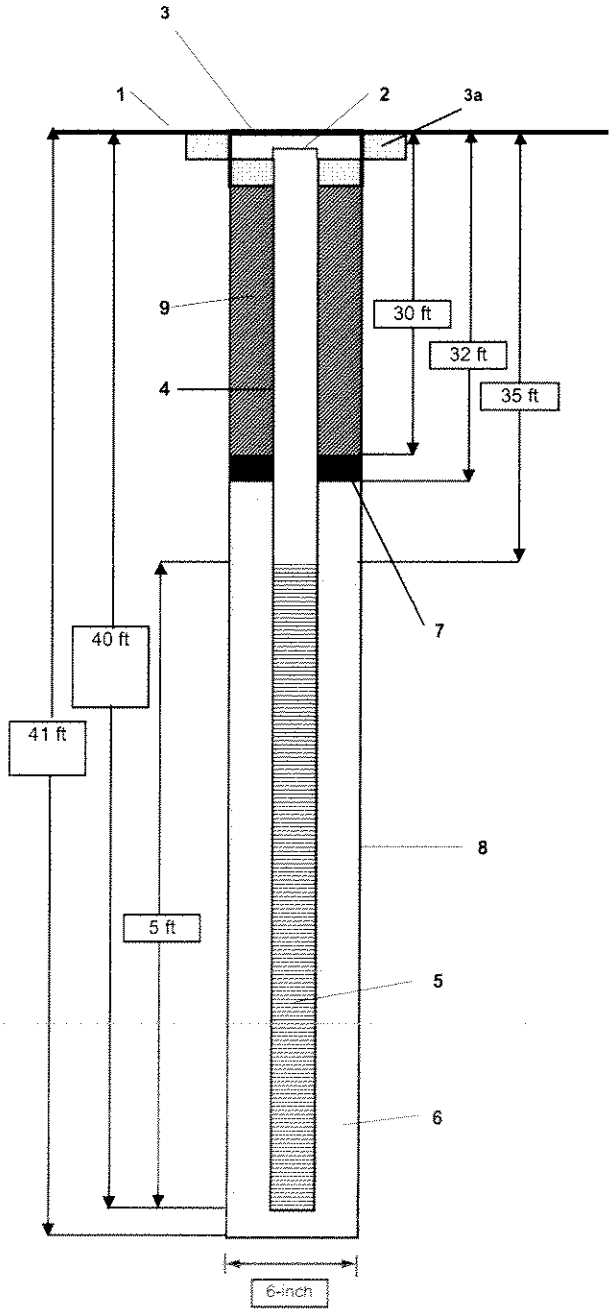
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Anne

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-15-06 END: 5-15-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.010-inch dia. machine slotted PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	3 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	2/3 bag
8- Grout	
a) Grout mix used	Type I/II Portland (2 bags)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4 % Bentonite in Grout

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-MW-57B	SHEET 1 OF 1

CH2MHILL

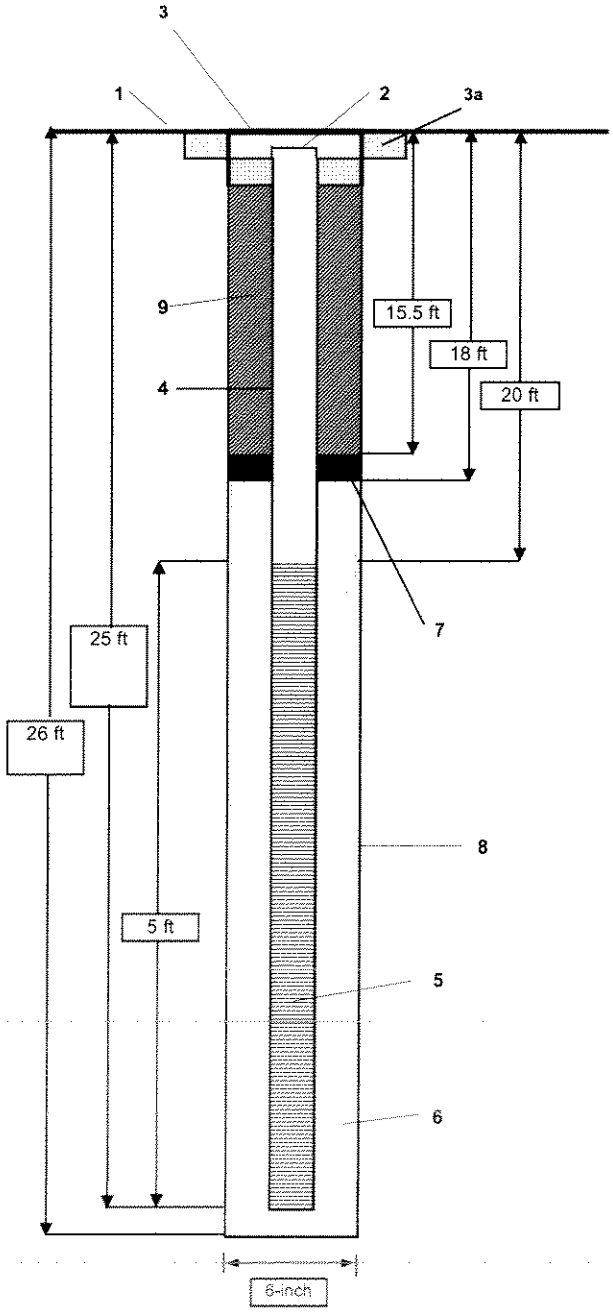
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Anne

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-17-06 END: 5-17-06 — LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.010-inch dia. machine slotted PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	3 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	1/2 bag
8- Grout	
a) Grout mix used	Type I/II Portland (1 bag)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4 % Bentonite in Grout

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-MW-57C	SHEET 1 OF 1

CH2MHILL

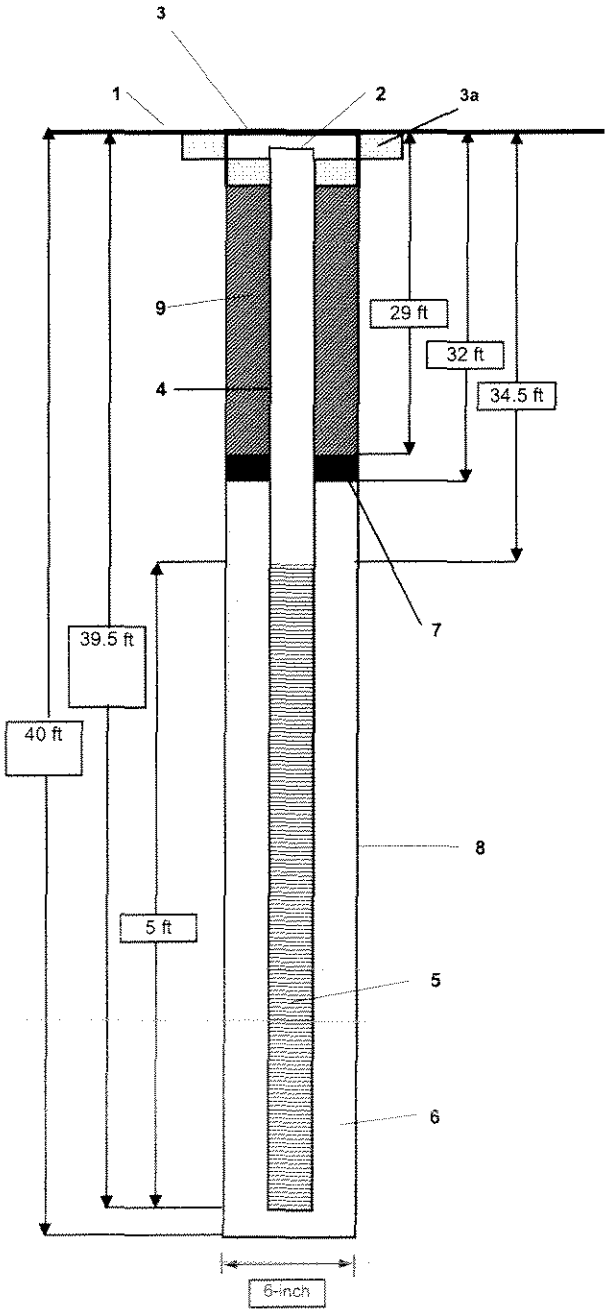
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Anne

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-15-06 END: 5-15-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.010-inch dia. machine slotted PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	3 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	2/3 bag
8- Grout	
a) Grout mix used	Type I/II Portland (2 bags)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4% Bentonite in Grout

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-MW-58B	SHEET 1 OF 1

CH2MHILL

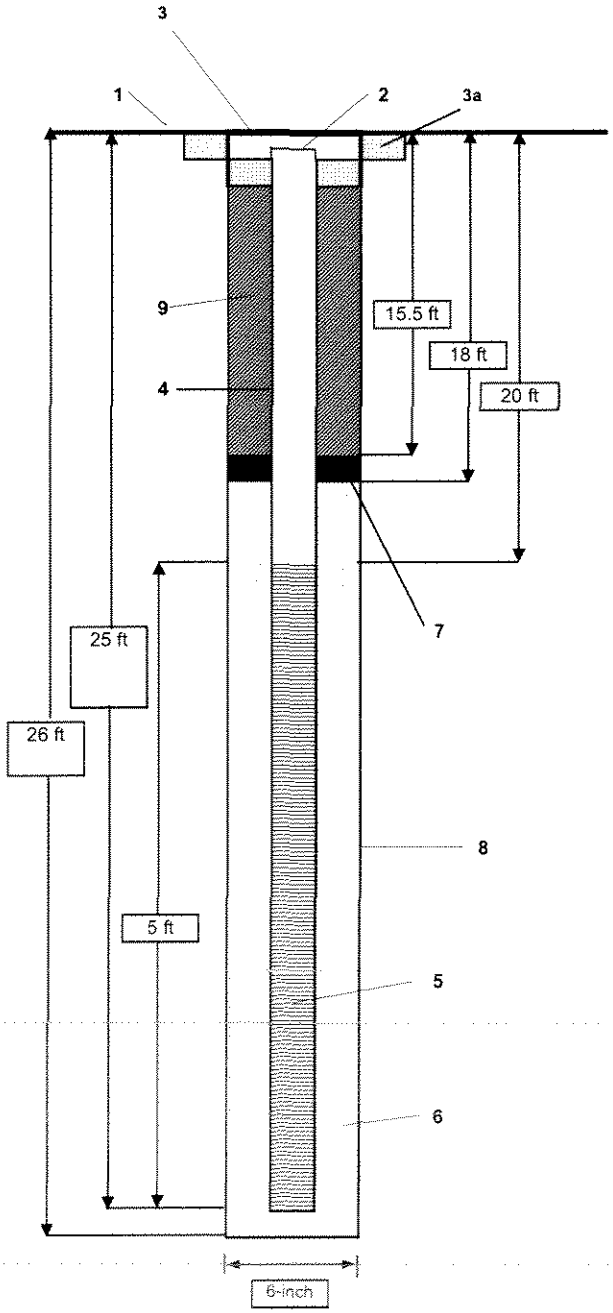
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Anne

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-16-06 END: 5-17-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.010-inch dia. machine slotted PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	3 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	1/2 bag
8- Grout	
a) Grout mix used	Type I/II Portland (1 bags)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4 % Bentonite in Grout

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-MW-58C	SHEET 1 OF 1

CH2MHILL

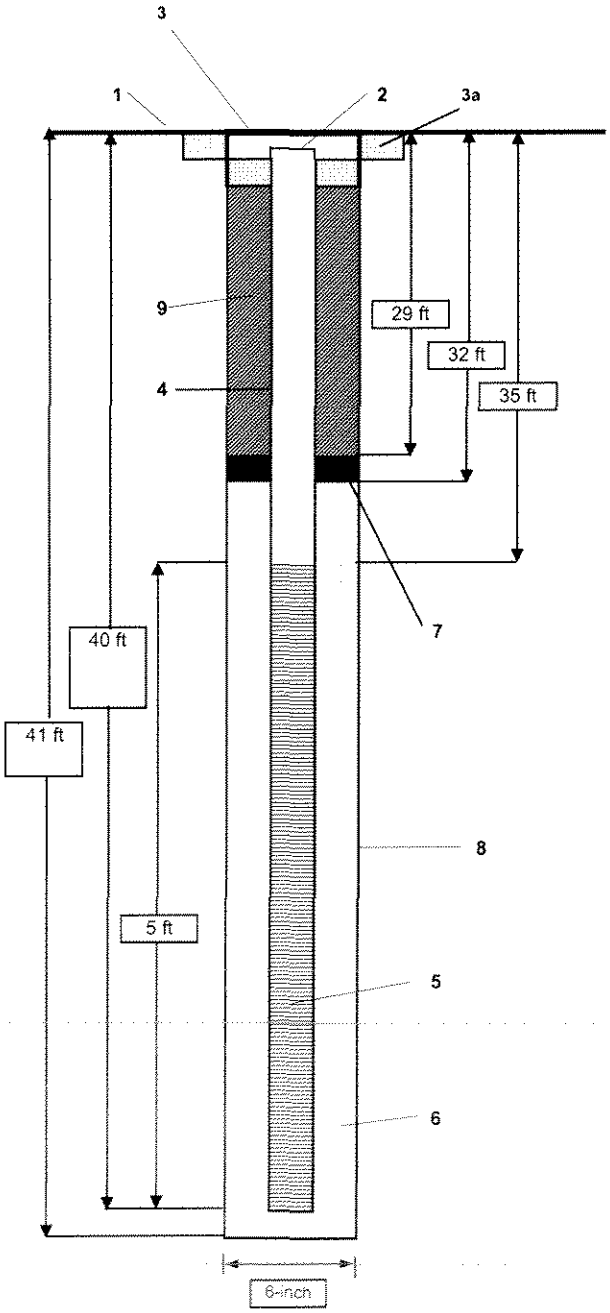
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Anne

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-16-06 END: 5-16-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.010-inch dia. machine slotted PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	3 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	2/3 bag
8- Grout	
a) Grout mix used	Type I/II Portland (2 bags)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4 % Bentonite in Grout

Note: Diagram not to scale.

STATE OF FLORIDA WELL COMPLETION REPORT

- ☐ Southwest
- ☐ Northwest
- ☐ St. Johns River
- ☐ South Florida
- ☐ Suwannee River
- ☐ DEP
- ■ Delegated Authority (if Applicable) : Oannge County

PLEASE FILL OUT ALL APPLICABLE FIELDS
(* Denotes Required FieldS Where Applicable)

Date Stamp

Official Use Only

1. *Permit Number 130259 CUP/WUP No. _____ DID Number _____ 62-524 Delineation No. _____

2. * Number of permitted wells constructed, repaired, or abandoned 1 * Number of permitted wells not constructed, repaired, or abandoned 0

3. * Owner's Name City of Orlando 4. * Completion Date 4/23/2013 5. Florida Unique ID _____

6. Bldg 7190 5th St. - Orlando
* Well Location - Address, Road Name or Number, City, ZIP

7. * County Orange * Section 32 Land Grant _____ * Township 23 * Range 30

8. Latitude _____ Longitude _____

9. Data Obtained From : _____ GPS _____ Map _____ Survey Datum: _____ NAD 27 _____ NAD 83 _____ WGS 84

10* TYPE OF WORK: X Construction ____ Repair ____ Modification ____ Abandonment

11. Specify Intended Use(s) of Well(s):

____ Domestic	____ Landscape Irrigation	____ Agricultural Irrigation	____ Site Investigation
____ Bottled Water Supply	____ Recreation Area Irrigation	____ Livestock	X Monitoring
____ Public Water Supply (Limited Use/DOH)		____ Nursery Irrigation	____ Test
____ Public Water Supply (Community or Non Community/DEP)		____ Commercial / Industrial	____ Earth - Coupled Geothermal
____ Class I Injection		____ Golf Course Irrigation	____ HVAC Supply
			____ HVAC Return

Class V Injection: ____ Recharge ____ Commercial/Industrial Disposal ____ Aquifer Storage & Recovery ____ Drainage

Remediation : ____ Recovery ____ Air Sparge ____ Other (Describe) _____

____ Other (Describe) _____

12. *Drill Method: ____ Auger ____ Cable Tool ____ Rotary ____ Combination (Two or More Methods) ____ Jetted X Sonic

____ Horizontal Drilling ____ Hydraulic Point (Direct Push) ____ Other _____

13. *Measured Static Water Level ____ ft. Measured Pumping Water Level NA ft. After NA -lours a NA GPM

14. *Measuring Point (Describe) Land Surface Which is 0 ft. ____ Above ____ Below Land Surface * Flowing ____ Yes X No

15.* Casing Material: ____ Black Steel ____ Galvanized X PVC ____ Stainless Steel ____ Not Cased Other _____

16.* Total Well Depth: 67 ft. Cased Depth 62 ft. Open Hole From: NA to NA ft. Screen:From 62 to 67 ft. Slot Size 0.010

*** ABANDONMENT** **OTHER (Explain)** _____

From ____ ft. To ____ ft. No of Bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
From ____ ft. To ____ ft. No of Bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
From ____ ft. To ____ ft. No of Bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
From ____ ft. To ____ ft. No of Bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
From ____ ft. To ____ ft. No of Bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other

*** SURFACE CASING DIAMETER & DEPTH**

Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other

*** PRIMARY CASING DIAMETER & DEPTH**

Diam. 2 in. From 0 ft. To 60 ft. # of bags 4 Seal Material (Check One): X Neat Cement ____ Bentonite ____ Other
Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other

*** LINER CASING DIAMETER & DEPTH**

Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other

*** TELESCOPE CASING DIAMETER & DEPTH**

Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other

PUMP TYPE (If Known)

____ Centrifugal ____ Jet ____ Submersible ____ Turbine
Horsepower ____ Pump Capacity (GPM) ____
Pump depth ____ ft. Intake Depth ____ ft.

CHEMICAL ANALYSIS (When Required)

Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm
____ Laboratory Test ____ Field Test Kit

WATER WELL CONTRACTOR

* Contractor Name: James Hinst * License No. 9311 Email Address: Jim@drillprollc.com

*Contractor's Signature : James Hinst * Driller's Name : Nick Bishop

I certify that the information in this report is accurate & true.

* Permit No. 130259

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
2379 BROAD STREET, BROOKSVILLE, FL 34604-6899
PHONE (352) 796-7211 OR (800) 423-1476
WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET, PALATKA, FL 32178-1427
PHONE: (386) 329-4500
WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT
152 WATER MANAGEMENT DR., HAVANA FL 32333-4712
(US HIGHWAY 90, 10 MILES WEST OF TALLAHASSEE)
PHONE: (850) 539-5999
WWW.NWFWMD.STATE.FL.US

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
P.O. BOX 24680
3301 GUN CLUB ROAD
WEST PALM BEACH, FL 33416-4680
PHONE: (561) 686-8800
WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICE
9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 OR (800) 226-1066 (FLORIDA ONLY)
WWW.MYSUWANNEERIVER.COM

DRILL CUTTINGS LOG (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zones.

From	To	Color	Grain Size (F, M, C)	Material
0 ft.	1 ft.	ORANGE		SANDS
1 ft.	5 ft.	GRAY	F	FLOWING SANDS
5 ft.	40 ft.	GRAY	NA	SAND CLAY
40 ft.	67 ft.	GRAY	F	FLOWING SANDS
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			

COMMENTS

Detailed Site Map of Well Location

GP WO 413045
OLD 17 59D

N

Give distances from all reference point or structures, septic systems, sanitary hazards, and contamination sources within 500 ft. of well

STATE OF FLORIDA WELL COMPLETION REPORT

☐ Southwest
☐ Northwest
☐ St. Johns River
☐ South Florida
☐ Suwannee River
☐ DEP
■ Delegated Authority (if Applicable) : Oannge County

PLEASE FILL OUT ALL APPLICABLE FIELDS
(* Denotes Required FieldS Where Applicable)

Date Stamp

Official Use Only

1. *Permit Number 130259 CUP/WUP No. ____ DID Number ____ 62-524 Delineation No. ____

2. * Number of permitted wells constructed, repaired, or abandoned 1 * Number of permitted wells not constructed, repaired, or abandoned 0

3. * Owner's Name City of Orlando 4. * Completion Date 4/23/2013 5. Florida Unique ID ____

6. Bldg 7190 5th St. - Orlando
* Well Location - Address, Road Name or Number, City, ZIP

7. * County Orange * Section 32 Land Grant ____ * Township 23 * Range 30

8. Latitude ____ Longitude ____

9. Data Obtained From : ____ GPS ____ Map ____ Survey Datum: ____ NAD 27 ____ NAD 83 ____ WGS 84

10* TYPE OF WORK: X Construction ____ Repair ____ Modification ____ Abandonment

11. Specify Intended Use(s) of Well(s):

____ Domestic	____ Landscape Irrigation	____ Agricultural Irrigation	____ Site Investigation
____ Bottled Water Supply	____ Recreation Area Irrigation	____ Livestock	X Monitoring
____ Public Water Supply (Limited Use/DOH)		____ Nursery Irrigation	____ Test
____ Public Water Supply (Community or Non Community/DEP)		____ Commercial / Industrial	____ Earth - Coupled Geothermal
____ Class I Injection		____ Golf Course Irrigation	____ HVAC Supply
			____ HVAC Return

Class V Injection: ____ Recharge ____ Commercial/Industrial Disposal ____ Aquifer Storage & Recovery ____ Drainage

Remediation : ____ Recovery ____ Air Sparge ____ Other (Describe) ____

____ Other (Describe) ____

12. *Drill Method: ____ Auger ____ Cable Tool ____ Rotary ____ Combination (Two or More Methods) ____ Jetted X Sonic

____ Horizontal Drilling ____ Hydraulic Point (Direct Push) ____ Other ____

13. *Measured Static Water Level ____ ft. Measured Pumping Water Level NA ft. After NA Hours a NA GPM

14. *Measuring Point (Describe) Land Surface Which is 0 ft. ____ Above ____ Below Land Surface * Flowing ____ Yes X No

15.* Casing Material: ____ Black Steel ____ Galvanized X PVC ____ Stainless Steel ____ Not Cased Other ____

16.* Total Well Depth: 68 ft. Cased Depth 63 ft. Open Hole From: NA to NA ft. Screen:From 63 to 68 ft. Slot Size 0.010

*** ABANDONMENT** ____ **OTHER (Explain)** ____

From ____ ft. To ____ ft. No of Bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
From ____ ft. To ____ ft. No of Bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
From ____ ft. To ____ ft. No of Bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
From ____ ft. To ____ ft. No of Bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
From ____ ft. To ____ ft. No of Bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other

*** SURFACE CASING DIAMETER & DEPTH**

Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other

*** PRIMARY CASING DIAMETER & DEPTH**

Diam. 2 in. From 0 ft. To 61 ft. # of bags 4 Seal Material (Check One): X Neat Cement ____ Bentonite ____ Other
Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other

*** LINER CASING DIAMETER & DEPTH**

Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other

*** TELESCOPE CASING DIAMETER & DEPTH**

Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other
Diam. ____ in. From ____ ft. To ____ ft. # of bags ____ Seal Material (Check One): ____ Neat Cement ____ Bentonite ____ Other

PUMP TYPE (If Known)

____ Centrifugal ____ Jet ____ Submersible ____ Turbine
Horsepower ____ Pump Capacity (GPM) ____
Pump depth ____ ft. Intake Depth ____ ft.

CHEMICAL ANALYSIS (When Required)

Iron ____ ppm Sulfate ____ ppm Chloride ____ ppm
____ Laboratory Test ____ Field Test Kit

WATER WELL CONTRACTOR

* Contractor Name: James Hinst * License No. 9311 Email Address: Jim@drillprollc.com

*Contractor's Signature : James Hinst * Driller's Name : Nick Bishop

I certify that the information in this report is accurate & true.

* Permit No. 130259

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
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9225 CR 49
LIVE OAK, FL 32060
PHONE: (386) 362-1001 OR (800) 226-1066 (FLORIDA ONLY)
WWW.MYSUWANNEERIVER.COM

DRILL CUTTINGS LOG (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zones.

From (ft.)	To (ft.)	Color	Grain Size (F, M, C)	Material
0	1	ORANGE		SANDS
1	5	GRAY	F	FLOWING SANDS
5	40	GRAY	NA	SAND CLAY
40	68	GRAY	F	FLOWING SANDS

COMMENTS

Detailed Site Map of Well Location

GP WO 413045
OLD 17 60D

N

Give distances from all reference point or structures, septic systems, sanitary hazards, and contamination sources within 500 ft. of well

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-EW-01	SHEET 1 OF 1

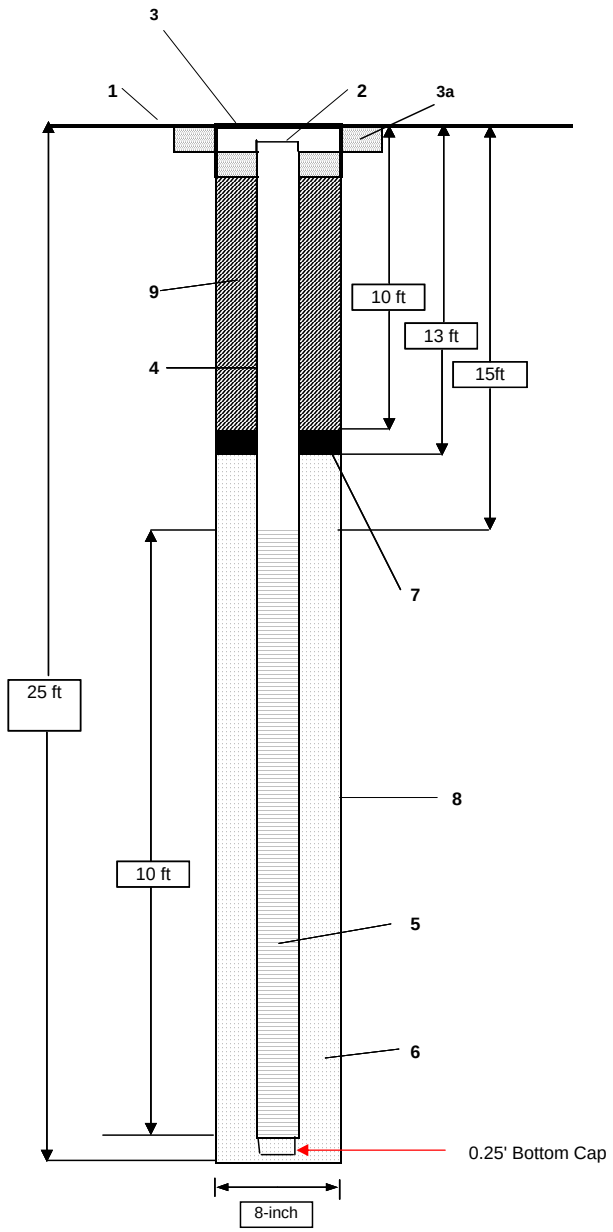
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Annex

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" x 8" Sonic — EASTING:

WATER LEVELS : START : 5-12-06 END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	12-inch Steel Manhole
a) drain tube?	no
a) concrete pad dimensions	
4- Dia./type of well casing	4" Schedule 40 flush threaded PVC
5- Type/slot size of screen	4"x10'x 0.020" V-Wire schedule 40 PVC
6- Type screen filter	20/30 Std. Silica Sand
a) quantities used	
7- Type of seal	3/8-inch Shur-plug
a) quantities used	
8- Grout	
a) Grout mix used	Type I/II Portland
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments: 5 % Bentonite in Grout

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-EW-02	SHEET 1 OF 1

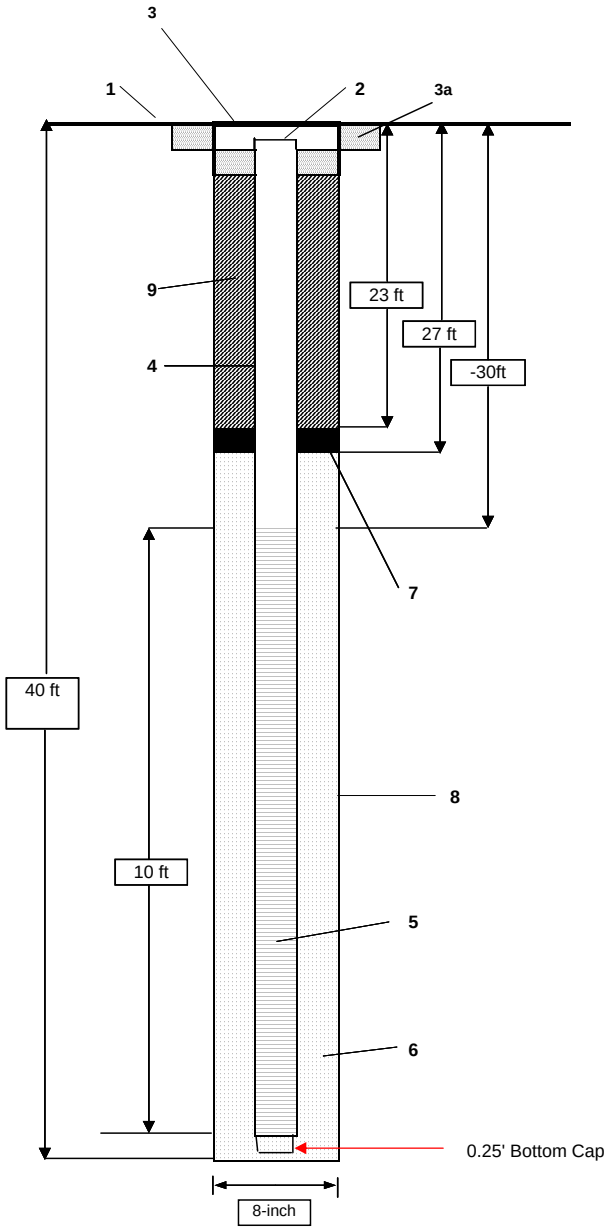
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Annex

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" x 8" Sonic — EASTING:

WATER LEVELS : START : 5-11-06 END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	12-inch Steel Manhole
a) drain tube?	no
a) concrete pad dimensions	
4- Dia./type of well casing	4" Schedule 40 flush threaded PVC
5- Type/slot size of screen	4"x10'x 0.020" V-Wire schedule 40 PVC
6- Type screen filter	20/30 Std. Silica Sand
a) quantities used	6+ bags
7- Type of seal	3/8-inch Shur-plug
a) quantities used	1 bag
8- Grout	
a) Grout mix used	Type I/II Portland
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-IW-01B	SHEET 1 OF 1

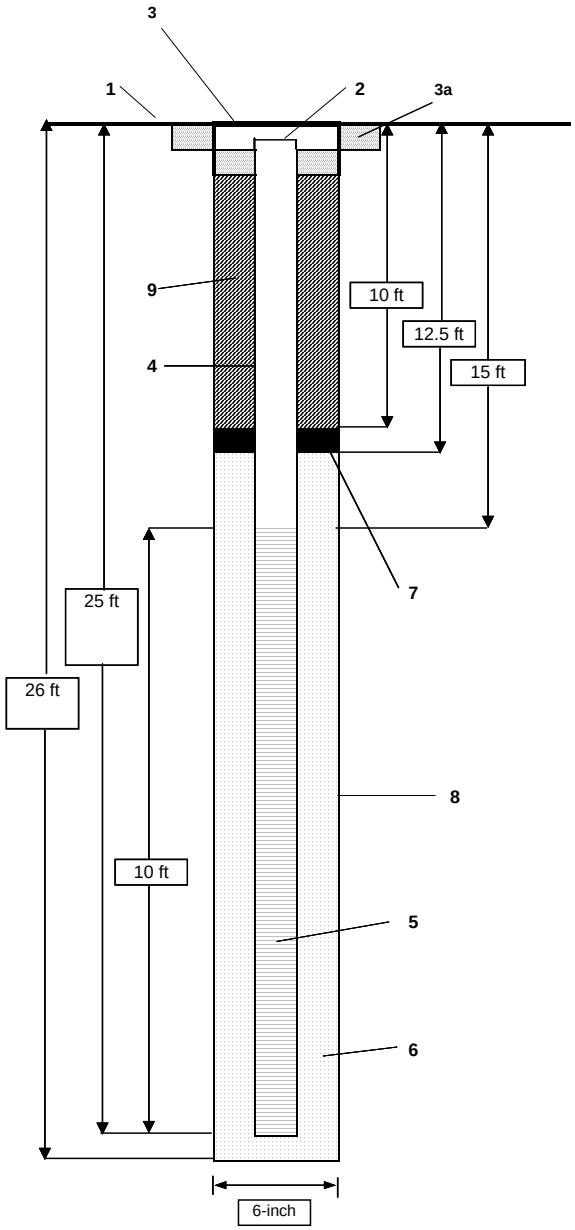
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Annex

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-19-06 END: 5-19-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	12-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.020-inch dia. Vee wire PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	5 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	1/2 bag
8- Grout	
a) Grout mix used	Type I/II Portland (1bag)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4 % Bentonite in Grout

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-IW-01C	SHEET 1 OF 1

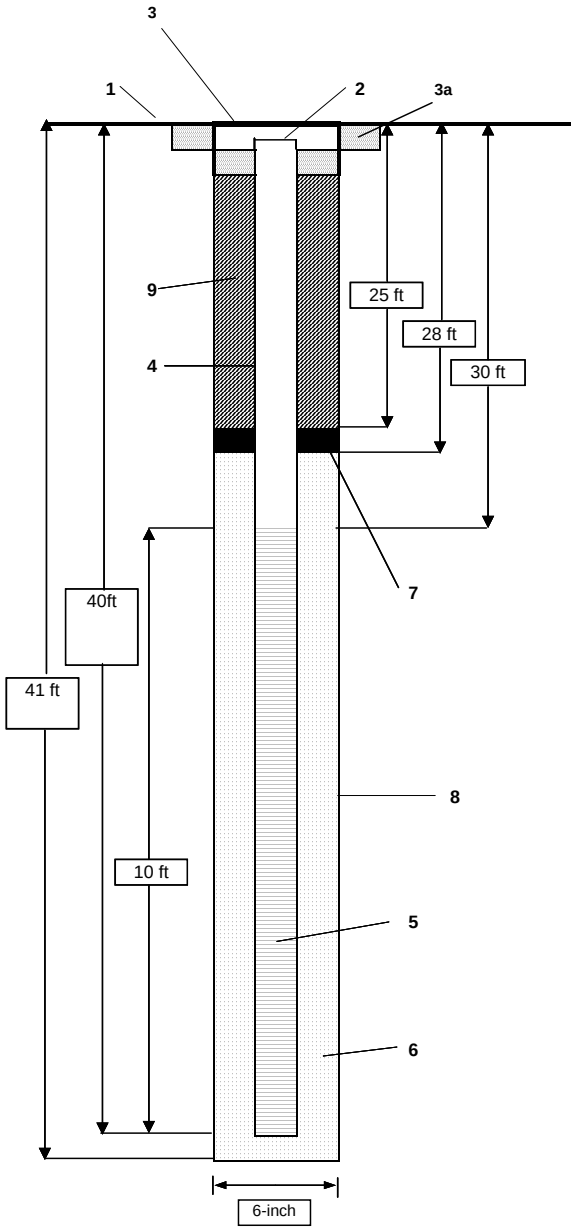
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Annex

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-18-06 END: 5-18-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	12-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.020-inch dia. Vee wire PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	6 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	1/2 bag
8- Grout	
a) Grout mix used	Type I/II Portland (2 bags)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4 % Bentonite in Grout

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-IW-02B	SHEET 1 OF 1

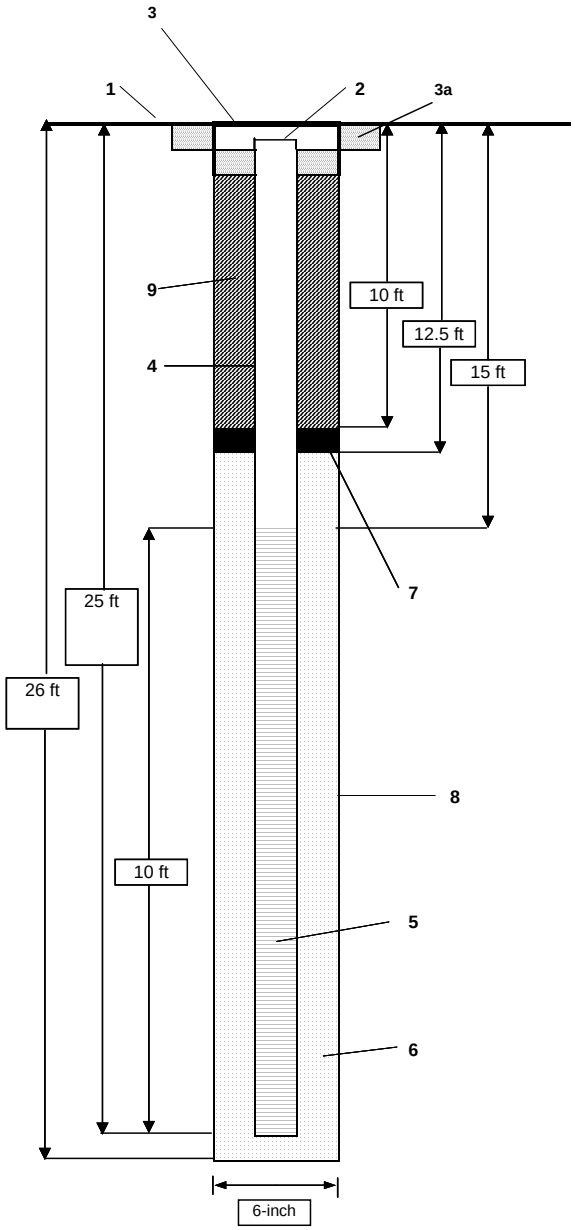
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Annex

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-18-06 END: 5-18-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	12-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.020-inch dia. Vee wire PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	5 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	1/2 bag
8- Grout	
a) Grout mix used	Type I/II Portland (1bag)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4 % Bentonite in Grout

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-IW-02C	SHEET 1 OF 1

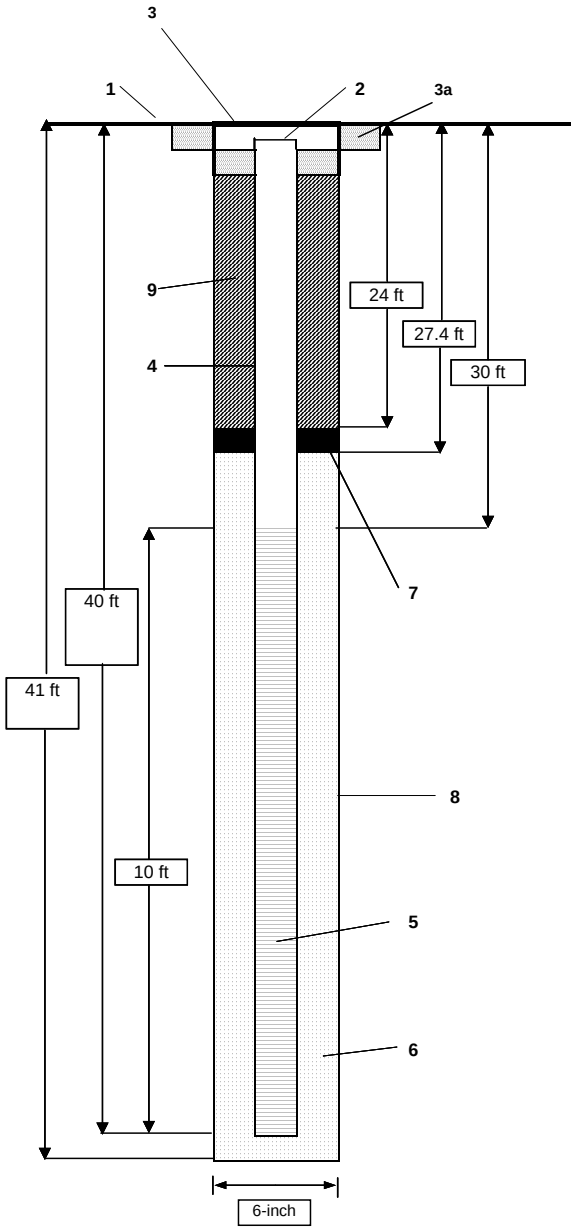
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Annex

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-16-06 END: 5-16-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	12-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.020-inch dia. Vee wire PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	4 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	2/3 bag
8- Grout	
a) Grout mix used	Type I/II Portland (2 bags)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4 % Bentonite in Grout

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-IW-03B	SHEET 1 OF 1

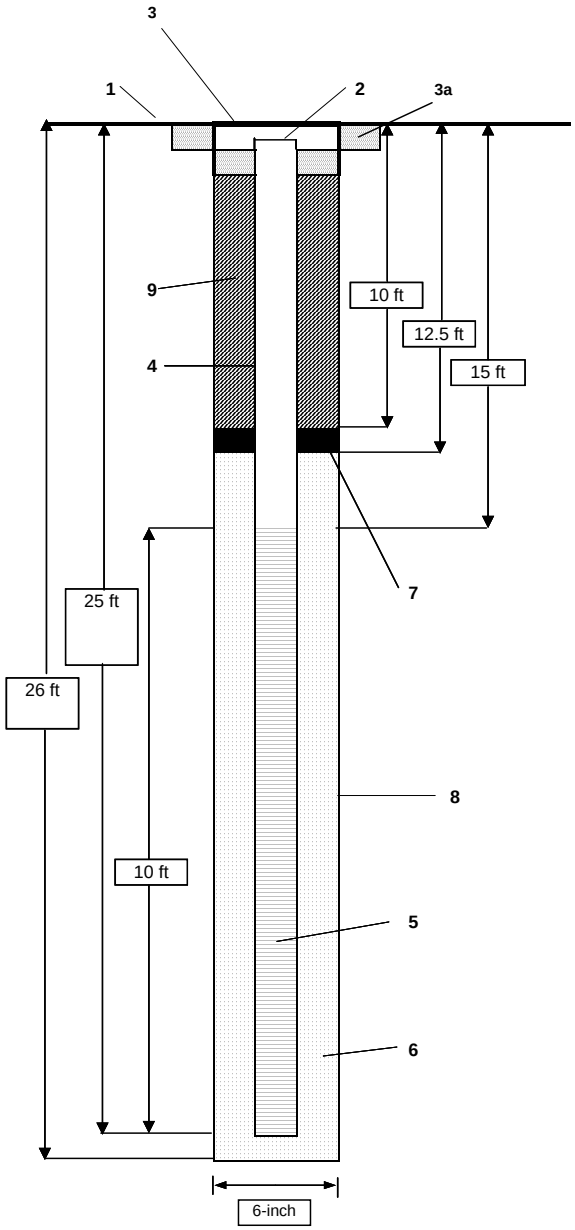
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Annex

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-17-06 END: 5-17-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	12-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.020-inch dia. Vee wire PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	5 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	1/2 bag
8- Grout	
a) Grout mix used	Type I/II Portland (1bags)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4 % Bentonite in Grout

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-IW-03C	SHEET 1 OF 1

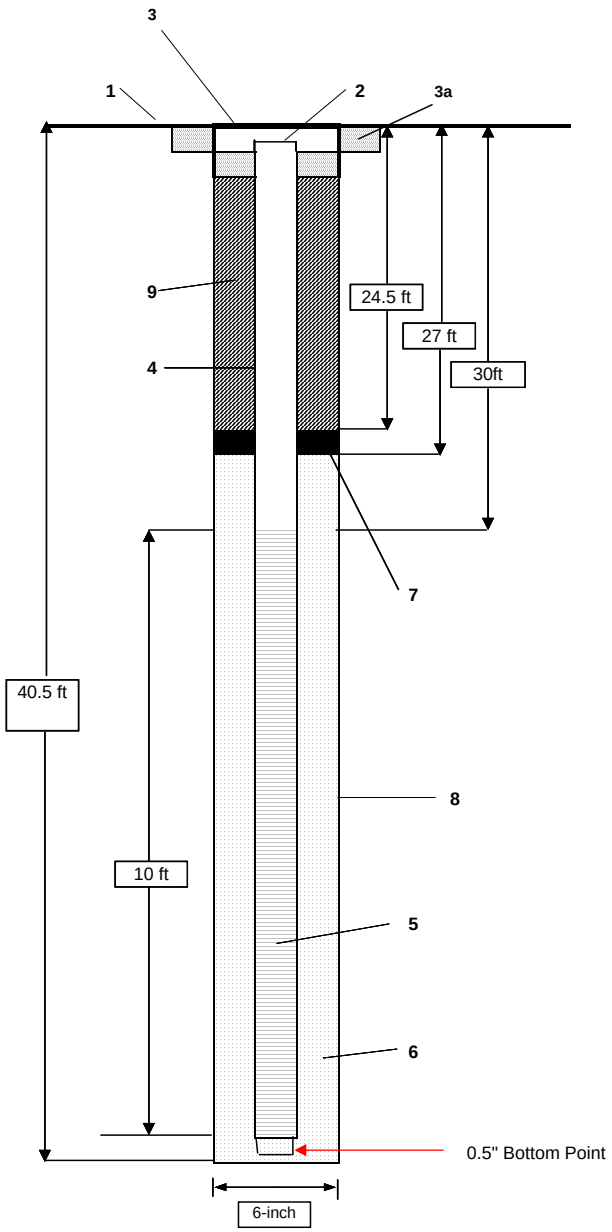
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Annex

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" x 6" Sonic — EASTING:

WATER LEVELS : START : 5-11-06 END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8" Steel Manhole
a) drain tube?	no
a) concrete pad dimensions	2'x2'
4- Dia./type of well casing	2" Flush thread Schedule 40 PVC
5- Type/slot size of screen	2"x10'x 0.020" PVC V-wire screen
6- Type screen filter	20/30 Std. Silica Sand
a) quantities used	
7- Type of seal	3/8-inch Shur-plug
a) quantities used	1 bag
8- Grout	
a) Grout mix used	Type I/II Portland
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	5% Bentonite in grout
Development time	
Estimated purge volume	

Comments: 5 % Bentonite in Grout

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-IW-04B	SHEET 1 OF 1

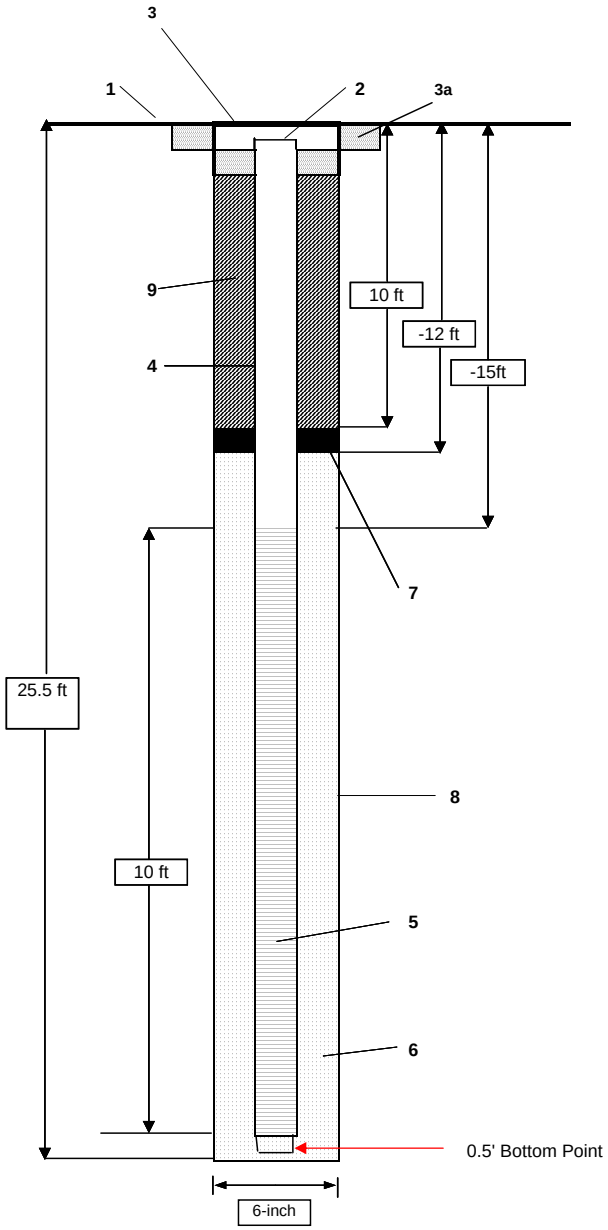
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Annex

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" x 6" Sonic — EASTING:

WATER LEVELS : START : 5-09-06 END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8" Steel Manhole
a) drain tube?	no
a) concrete pad dimensions	2'x2'
4- Dia./type of well casing	2" Flush thread Schedule 40 PVC
5- Type/slot size of screen	Johnson Vee-wire 0.020"x10' PVC
6- Type screen filter	20/30 Standard Silica Sand
a) quantities used	5 bags
7- Type of seal	3/8-inch Shur-plug
a) quantities used	1 bag
8- Grout	
a) Grout mix used	Type I/II Portland
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments: 5 % Bentonite in Grout

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-IW-04C	SHEET 1 OF 1

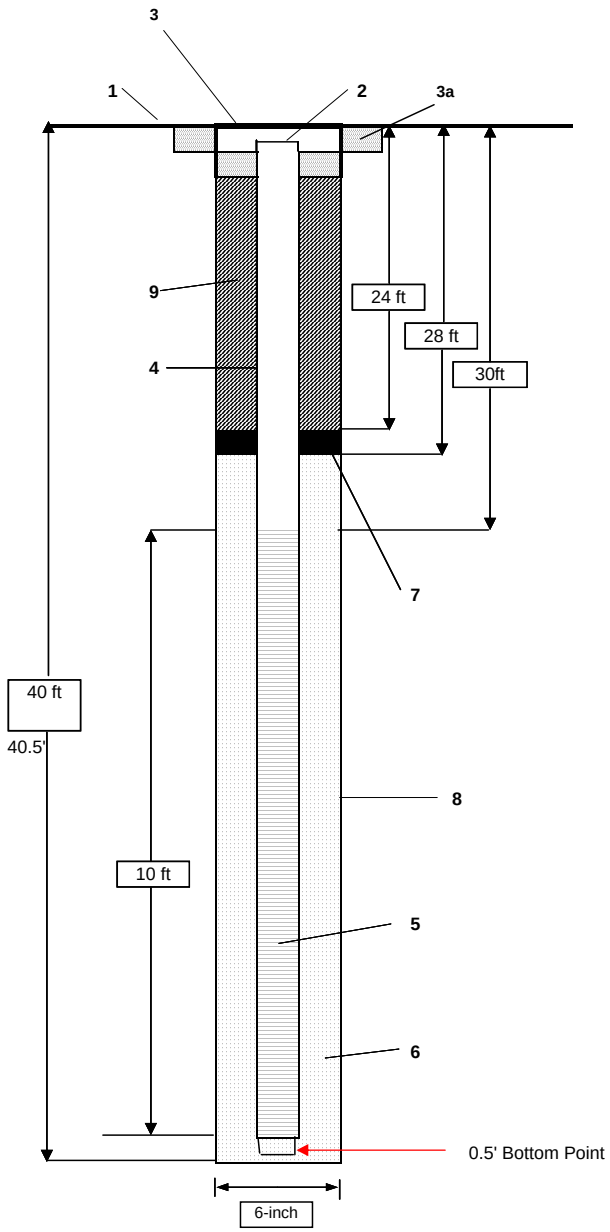
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Annex

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" x 6" Sonic — EASTING:

WATER LEVELS : START : 5-09-06 END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8" Steel Manhole
a) drain tube?	no
a) concrete pad dimensions	2'x2'
4- Dia./type of well casing	2" Flush thread Schedule 40 PVC
5- Type/slot size of screen	Johnson Vee-wire 0.020"x10' PVC
6- Type screen filter	20/30 Standard Silica Sand
a) quantities used	5 bags
7- Type of seal	3/8-inch Shur-plug
a) quantities used	1 bag
8- Grout	
a) Grout mix used	Type I/II Portland
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments: 5 % Bentonite in Grout

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-IW-05B	SHEET 1 OF 1

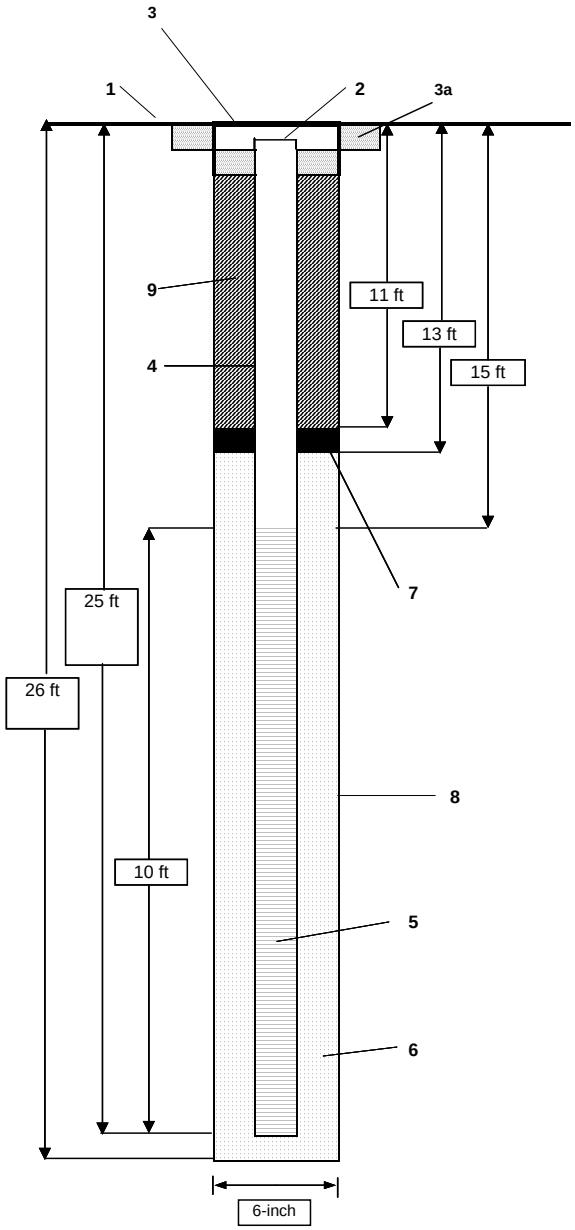
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Annex

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-17-06 END: 5-17-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	12-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.020-inch dia. Vee wire PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	5 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	1/2 bag
8- Grout	
a) Grout mix used	Type I/II Portland (1bags)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4 % Bentonite in Grout

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-IW-05C	SHEET 1 OF 1

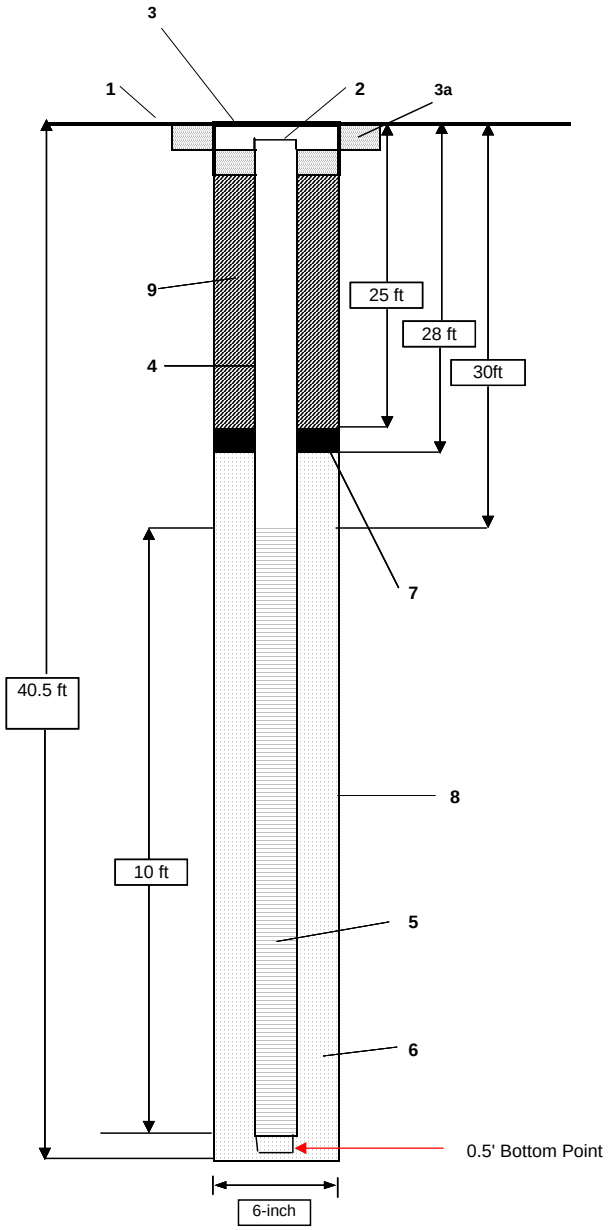
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Annex

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" x 6" Sonic — EASTING:

WATER LEVELS : START : 5-10-06 END: LOGGER : WGE



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	8" Steel Manhole
a) drain tube?	no
a) concrete pad dimensions	2'x2'
4- Dia./type of well casing	2" Flush thread Schedule 40 PVC
5- Type/slot size of screen	2"x10'x0.020" PVC vee-wire screen
6- Type screen filter	20/30 Standard Silica Sand
a) quantities used	8 bags
7- Type of seal	3/8-inch Shur-plug
a) quantities used	1 bag
8- Grout	
a) Grout mix used	Type I/II Portland
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments: 5 % Bentonite in Grout

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-IW-06B	SHEET 1 OF 1

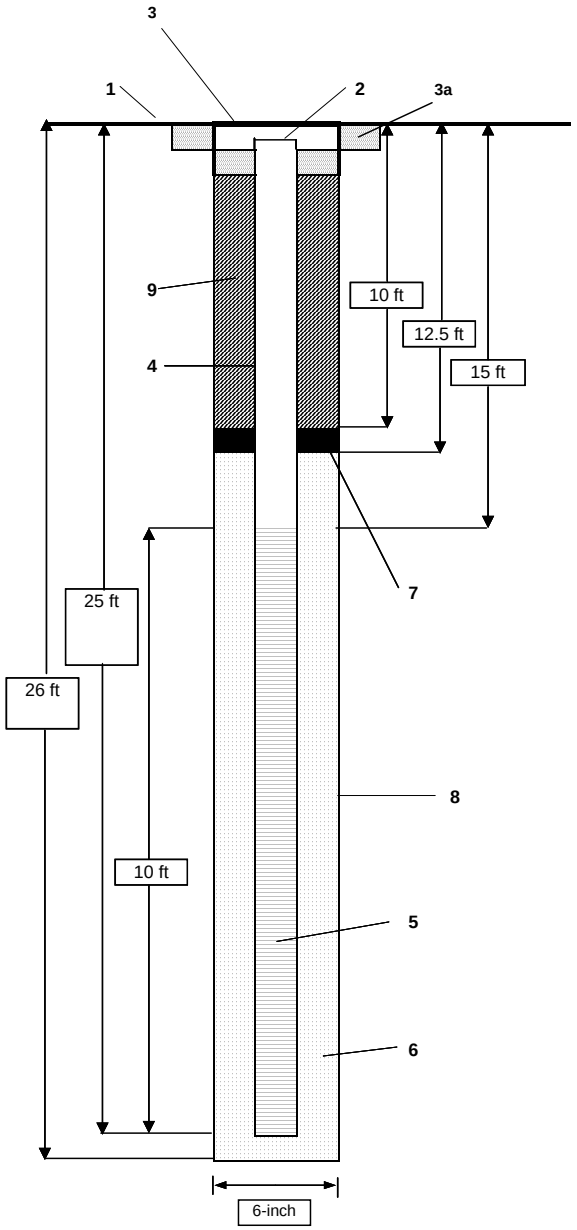
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Annex

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-17-06 END: 5-17-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	12-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.020-inch dia. Vee wire PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	5 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	1/2 bag
8- Grout	
a) Grout mix used	Type I/II Portland (1bags)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments 4 % Bentonite in Grout

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
314641.04.03	17-IW-06C	SHEET 1 OF 1

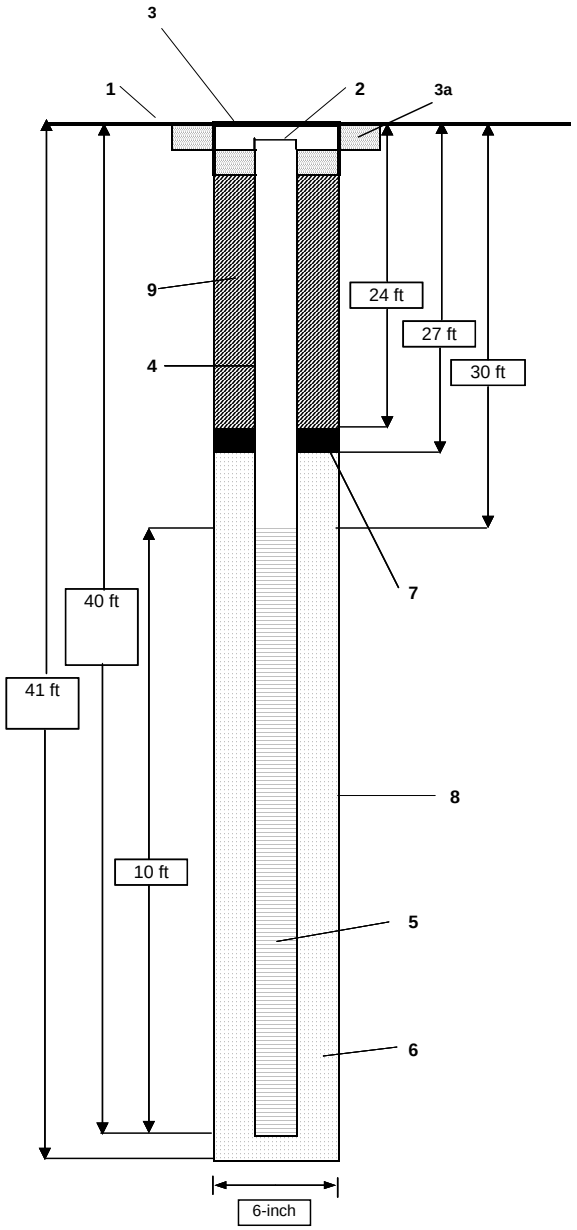
WELL COMPLETION DIAGRAM

PROJECT : SA-17 EOS Injection — LOCATION : NTC Orlando McCoy Annex

DRILLING CONTRACTOR : Prosonic Corporation License # — NORTHING:

DRILLING METHOD AND EQUIPMENT USED : 4" by 6" Sonic — EASTING:

WATER LEVELS : START : 5-15-06 END: 5-15-06 LOGGER : Andrew O'Conor



1- Ground elevation at well	TBD
2- Top of casing elevation	TBD
3- Protective cover type	12-ich dia. flush mount manhole vault
a) drain tube?	no
a) concrete pad dimensions	2 ft x 2 ft x 4-inches deep
4- Dia./type of well casing	2-inch inside diameter schedule 40 PVC
5- Type/slot size of screen	0.020-inch dia. Vee wire PVC
6- Type screen filter	20/30 Sieve Size Silica Sand
a) quantities used	6 bags
7- Type of seal	3/8-inch bentonite pellets
a) quantities used	2/3 bag
8- Grout	
a) Grout mix used	Type I/II Portland (2 bags)
b) Method of placement	Pressure / Tremie
c) Vol. Of well casing grout	
Development Method	
Development time	
Estimated purge volume	

Comments: 4 % Bentonite in Grout

Survey Information

ORLANDO NAVAL TRAINING CENTER
SITE SA-17
MONITOR, EXTRACTION AND INJECTION WELLS

Project No. 314641.04.02
Field Surveys Aug. 15, 2006

Note: Horizontal Datum is NAD (North American Datum) 83 (1990) SPC Fl. E. US Survey Ft..
Vertical Datum is NAVD (North American Vertical Datum) 88.

Description	North Coord.	East Coord.	-------Elevation-------- TOC	F/M Rim (*)Survey Pt.
Survey Control Points:				
10 (PK & Washer)	1490237.852	547193.213	------	**(*)**91.082
11 (Re Bar & Cap)	1490361.858	546741.104	------	**(*)**88.732
Monitor Wells:				
6530 **(17-MW-53B&C)**	1490411.47	546861.27	89.46	89.94
6540 **(17-MW-54B)**	1490391.73	546863.38	89.45	89.83
6545 **(17-MW-54C)**	1490394.51	546863.94	89.44	89.83
6550 **(17-MW-55B)**	1490389.31	546844.58	89.32	89.72
6555 **(17-MW-55C)**	1490388.82	546847.29	89.19	89.67
6560 **(17-MW-56B)**	1490409.27	546844.77	89.62	89.94
6565 **(17-MW-56C)**	1490406.87	546846.16	89.48	89.83
6570 **(17-MW=57B)**	1490413.75	546838.56	89.64	90.10
6575 **(17-MW-57C)**	1490411.33	546839.31	89.60	89.99
6580 **(17-MW-58B)**	1490388.93	546855.07	88.52	88.92
6585 **(17-MW-58C)**	1490387.10	546857.70	88.66	89.03
Extraction Wells:				
7010 **(17-EW-01)**	1490404.29	546853.22	89.45	89.88
7025 **(17-EW-02)**	1490402.33	546855.93	89.56	89.88
Injection Wells:				
8010 **(17-IW-01B)**	1490424.80	546857.30	89.96	90.11
8015 **(17-IW-01C)**	1490426.79	546855.01	89.87	90.18
8020 **(17-IW-02B)**	1490413.43	546874.74	89.97	90.23
8025 **(17-IW-02C)**	1490409.78	546879.93	89.79	90.15
8030 **(17-IW-03B)**	1490385.60	546869.29	89.54	89.83
8035 **(17-IW-03C)**	1490388.25	546870.35	89.49	89.82
8040 **(17-IW-04B)**	1490381.55	546852.74	89.43	89.67
8045 **(17-IW-04C)**	1490379.32	546857.63	89.50	89.74
8050 **(17-IW-05B)**	1490394.50	546831.69	89.35	89.68
8055 **(17-IW-05C)**	1490393.40	546834.65	89.44	89.70
8060 **(17-IW-O6B)**	1490418.86	546831.10	89.96	90.31
8065 **(17-IW-06C)**	1490415.62	546831.91	89.90	90.18

ORLANDO NAVAL TRAINING CENTER
SITE SA-17
MONITOR WELL & INJECTION POINT TABULATION

Project No. 152044.31.12.01.08
Field Surveys Jan. 05/17, 2001

Note: Horizontal Datum is NAD (North American Datum) 83 (1990) SPC Fl. E. Zone US Survey Ft..
Vertical Datum is NAVD (North American Vertical Datum) 88.

			-------Elevation-----	
Description	**North Coord.**	**East Coord.**	**TOC**	**Ground**
Survey Control Points:				
10 (PK Nail)	1490237.85	547193.21	-----	91.08
11 (Re Bar & Cap)	1490361.85	546741.10	-----	88.73
Monitor Wells:				
OLD-17-23A	1490404.06	546847.00	89.38	89.6
OLD-17-24B	1490400.23	546851.06	89.56	89.8
OLD-17-25C	1490399.98	546859.37	89.16	89.7
OLD-17-34A	1490546.61	546933.56	90.44	90.7
OLD-17-35B	1490543.09	546938.11	90.20	90.6
OLD-17-36B	1490208.37	547281.25	89.18	89.6
OLD-17-37C	1490214.22	547283.66	89.24	89.6
Injection Points:				
OLD-17-Inj-S-01	1490338.93	546802.94	90.41	88.9
OLD-17-Inj-S-02	1490346.51	546825.21	90.69	89.3
OLD-17-Inj-S-03	1490354.23	546814.55	90.69	89.3
OLD-17-Inj-S-04	1490370.07	546831.43	90.66	89.4
OLD-17-Inj-S-05	1490387.66	546839.54	90.52	89.5
OLD-17-Inj-S-06	1490400.74	546831.56	90.41	89.4
OLD-17-Inj-S-07	1490407.82	546860.92	90.76	89.6
OLD-17-Inj-S-08	1490424.13	546837.03	91.38	90.2
OLD-17-Inj-S-09	1490420.49	546869.23	90.05	90.1
OLD-17-Inj—I-01	1490413.54	546678.39	90.10	88.7
OLD-17-Inj-I-02	1490402.75	546702.37	89.81	88.9
OLD-17-Inj-I-03	1490386.13	546728.10	89.65	88.7
OLD-17-Inj-I-04	1490365.19	546747.75	89.76	88.7
OLD-17-Inj-I-05	1490349.44	546771.84	89.98	88.8
OLD-17-Inj-I-06	1490332.99	546793.94	90.06	88.8
OLD-17-Inj-I-07	1490419.34	546702.05	89.84	88.9
OLD-17-Inj-I-08	1490404.39	546725.72	89.72	88.8
OLD-17-Inj-I-09	1490386.08	546751.97	89.99	88.8
OLD-17-Inj-I-10	1490370.19	546775.85	89.95	89.1
OLD-17-Inj—I-11	1490352.18	546801.25	90.53	89.3
OLD-17-Inj-I-12	1490334.75	546825.58	90.00	89.4
OLD-17-Inj-I-13	1490444.76	546698.82	90.10	89.1
OLD-17-Inj-I-14	1490426.68	546726.09	90.04	89.0
OLD-17-Inj-I-15	1490409.85	546749.05	90.17	89.0

DESCRIPTION	North Coord.	East Coord.	-------Elevation------ TOC	Ground
OLD-17-Inj-I-16	1490392.60	546774.00	90.56	89.2
OLD-17-Inj-I-17	1490375.42	546799.33	90.61	89.5
OLD-17-Inj-I-18	1490357.47	546826.92	90.86	89.7
OLD-17-Inj-I-19	1490391.30	546801.51	90.50	89.4
OLD-17-Inj-I-20	1490363.84	546843.73	90.53	89.4
OLD-17-Inj-I-21	1490414.24	546788.84	90.40	89.4
OLD-17-Inj-I-22	1490386.60	546829.43	90.69	89.4
OLD-17-Inj-I-23	1490407.62	546821.96	90.68	89.4
OLD-17-Inj-I-24	1490383.06	546856.20	90.46	89.4
OLD-17-Inj-I-25	1490416.83	546810.21	90.66	89.4
OLD-17-Inj-I-26	1490436.46	546805.48	90.63	89.3
OLD-17-Inj-I-27	1490417.12	546842.64	90.71	89.9
OLD-17-Inj-I-28	1490454.89	546816.54	91.48	89.6
OLD-17-Inj-I-29	1490436.72	546843.16	90.10	90.1
OLD-17-Inj-I-30	1490412.07	546876.98	91.71	90.1
OLD-17-Inj-D-01	1490408.32	546691.07	89.92	88.7
OLD-17-Inj-D-02	1490396.89	546715.98	90.25	88.8
OLD-17-Inj-D-03	1490379.90	546738.24	89.43	88.6
OLD-17-Inj-D-04	1490355.79	546761.81	89.70	88.8
OLD-17-Inj-D-05	1490341.59	546782.31	90.55	88.9
OLD-17-Inj-D-06	1490325.32	546804.99	89.93	88.8
OLD-17-Inj-D-07	1490429.06	546688.60	90.14	89.0
OLD-17-Inj-D-08	1490418.67	546714.82	90.39	89.1
OLD-17-Inj-D-09	1490394.19	546738.83	89.80	88.9
OLD-17-Inj-D-10	1490378.08	546765.63	90.03	89.0
OLD-17-Inj-D-11	1490360.57	546789.04	90.19	89.2
OLD-17-Inj-D-12	1490343.05	546812.22	90.17	89.2
OLD-17-Inj-D-13	1490433.94	546714.26	90.37	89.1
OLD-17-Inj—D-14	1490418.54	546736.74	90.21	89.0
OLD-17-Inj-D-15	1490401.82	546762.86	90.52	89.3
OLD-17-Inj-D-16	1490384.05	546786.22	90.99	89.4
OLD-17-Inj-D-17	1490367.41	546812.22	90.37	89.5
OLD-17-Inj-D-18	1490350.81	546837.18	90.43	89.5
OLD-17-Inj-D-19	1490403.29	546782.82	90.38	89.2
OLD-17-Inj-D-20	1490381.49	546823.38	90.64	89.4
OLD-17-Inj-D-21	1490406.29	546801.60	90.48	89.3
OLD-17-Inj-D-22	1490398.61	546813.79	90.27	89.3
OLD-17-Inj-D-23	1490371.27	546849.44	90.88	89.4
OLD-17-Inj-D-24	1490425.53	546796.29	90.38	89.3
OLD-17-Inj-D-25	1490396.01	546838.06	90.77	89.3
OLD-17-Inj-D-26	1490430.90	546819.42	90.61	89.6
OLD-17-Inj-D-27	1490417.63	546833.17	90.75	89.9
OLD-17-Inj-D-28	1490394.31	546866.22	90.61	89.6
OLD-17-Inj-D-29	1490442.69	546834.75	91.14	89.8
OLD-17-Inj-D-30	1490423.55	546854.64	89.79	89.8
OLD-17-Inj-D-31	1490432.07	546853.93	91.35 **(?)**	90.1
OLD-17-Inj-D-32	1490416.64	546866.62	91.42	90.0
OLD-17-Inj-D-33	1490403.28	546855.20	91.61	89.8
OLD-17-Inj-D-34	1490408.46	546837.43	91.68	89.8
OLD-17-Inj-D-35	1490377.50	546852.23	90.95	89.7
OLD-17-Inj-D-36	1490393.24	546820.11	90.83	89.6
OLD-17-Inj-D-37	1490366.96	546844.96	90.89	89.6
OLD-17-Inj-D-38	1490387.40	546810.79	91.04	88.7

ORLANDO NAVAL TRAINING CENTER
SITE SA-17
MONITOR WELL TABULATION

Project # 161919.99.20.01.01
Field Surveys March 18, 2002

Note: Horizontal Datum is NAD (North American Datum) 83 (1990) SPC Fl. N. US Survey Ft..
Vertical Datum is NAVD (North American Vertical Datum) 88.

			----------Elevation----------			
Description	**North Coord.**	**East Coord.**	**TOC**	**Out/Case**	**F/M Rim (*)Conc.**	**Ground**
Survey Control Points:						
10 (PK Nail)	1490237.852	547193.213	-------	-------	-------	91.082
11 (Re Bar & Cap)	1490361.858	546741.104	-------	-------	-------	88.732
21 (PK & Washer)	1490561.916	547557.717	-------	-------	-------	91.914
Monitor Wells:						
6460 (17-MW-46C)	1490425.43	547569.24	88.195	-------	88.755	88.7
6470 (17-MW-47D)	1490430.19	547574.02	88.02	-------	88.82	88.8
6480 (17-MW-48C)	1490651.42	547610.03	91.20	-------	91.58	91.5
6490 (17-MW-49D)	1490655.21	547613.53	91.065	-------	91.475	91.4
6500 (17-MW-50C)	1490632.91	547375.29	92.79	93.135	**(*)**89.72	89.4
6510 (17-MW-51D)	1490632.94	547380.26	92.62	92.97	**(*)**89.70	89.4

ORLANDO NAVAL TRAINING CENTER
SITE SA-17
MONITOR WELL & DIRECT PUSH WELL TABULATION

Project No. 161919.99.20.01.01
Field Surveys Sept. 30, 2002

Note: Horizontal Datum is NAD (North American Datum) 83 (1990) SPC Fl. E. US Survey Ft..
Vertical Datum is NAVD (North American Vertical Datum) 88.

			----------Elevation----------			
Description	**North Coord.**	**East Coord.**	**TOC**	**Out/Case**	**F/M Rim * Conc.**	**Ground**
Survey Control Points:						
10 (PK & Washer)	1490237.852	547193.213	-----	------	------	91.082
11 (Re Bar & Cap)	1490361.858	546741.104	-----	------	------	88.732
20 (PK & Washer)	1490518.3189	547155.607	-----	------	------	92.149
Monitor Wells:						
6380 (17-MW-38D)	1490331.78	547110.36	94.05	94.06	*90.78	90.7
6390 (17-MW-39C)	1490223.78	547144.18	89.72	-----	90.13	90.0
6400 (17-MW-40C)	1490341.88	547307.97	91.74	-----	91.97	91.9
6410 (17-MW-41C)	1490468.15	547102.86	90.77	-----	91.05	91.0
6420 (17-MW-42B)	1490414.72	546994.37	92.63	92.61	*89.53	89.4
6430 (17-MW-43C)	1490417.30	547000.41	92.45	92.49	*89.51	89.4
6440 (17-MW-44A)	1490268.75	547050.75	92.65	92.87	*89.69	89.5
6450 (17-MW-45C)	1490443.76	547400.27	90.82	-----	91.26	91.2
Direct Push Wells:						
2100 (P-100)	1490277.12	547078.40	------	------	------	90.4
2101 (P-101)	1490373.38	547076.91	------	------	------	90.3
2102 (P-102)	1490361.38	547021.11	------	------	------	90.3
2103 (P-103)	1490426.38	546968.78	------	------	------	89.8
2104 (P-104)	1490497.55	547004.54	------	------	------	90.3
2105 (P-105)	1490463.68	547086.15	------	------	------	89.5
2106 (P-106)	1490422.76	547180.51	------	------	------	91.0
2107 (P-107)	1490381.96	547208.68	------	------	------	90.0
2108 (P-108)	1490368.40	547255.30	------	------	------	90.6
2109 (P-109)	1490351.49	547310.74	------	------	------	91.7
2110 (P-110)	1490301.80	547234.71	------	------	------	91.4
2111 (P-111)	1490253.07	547189.63	------	------	------	91.2
2112 (P-112)	1490375.31	547149.72	------	------	------	90.2
2113 (P-113)	1490313.65	547170.18	------	------	------	91.2
2114 (P-114)	1490621.60	546765.32	------	------	------	90.0
2115 (P-115)	1490607.32	546669.33	------	------	------	89.7
2116 (P-116)	1490439.36	546604.62	------	------	------	88.7
2117 (P-117)	1490450.61	547027.70	------	------	------	89.4
2118 (P-118)	1490406.44	547296.34	------	------	------	91.5
2119 (P-119)	1490479.08	547193.53	------	------	------	91.0
2120 (P-120)	1490286.26	547031.69	------	------	------	89.6
2121 (P-121)	1490289.31	546966.33	------	------	------	89.8

Inspection Forms

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1701A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	12:19
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.50	Survey Northing	1,490,675.6600
Screen Interval (ft)	2.01-12	Survey Easting	546,727.5900
Well Diameter (in)	2	North (decimal degrees)	28.43407517
Well Material	PVC SCH 40	East (decimal degrees)	-81.34051944
Completion Type:		TOC Elevation	90.28

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good,buried pad	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1702A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/12/2007
Site Name	Study Area 17	**Inspection Time**	10:54
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.50	Survey Northing	1,490,504.6800
Screen Interval (ft)	2.01-12	Survey Easting	546,828.4400
Well Diameter (in)	2	North (decimal degrees)	28.43360569
Well Material	PVC SCH 40	East (decimal degrees)	-81.34020415
Completion Type:		TOC Elevation	90.14

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good,buried pad	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolting,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1703A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/12/2007
Site Name	Study Area 17	**Inspection Time**	10:33
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.34	Survey Northing	1,490,206.3500
Screen Interval (ft)	2.01-12	Survey Easting	546,999.5900
Well Diameter (in)	2	North (decimal degrees)	28.43278651
Well Material	PVC SCH 40	East (decimal degrees)	-81.339669
Completion Type:		TOC Elevation	89.47

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried pad	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolting,bolts missing	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1704A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/12/2007
Site Name	Study Area 17	**Inspection Time**	10:06
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.50	Survey Northing	1,490,425.4200
Screen Interval (ft)	2.01-12	Survey Easting	546,676.0700
Well Diameter (in)	2	North (decimal degrees)	28.43338651
Well Material	PVC SCH 40	East (decimal degrees)	-81.34067754
Completion Type:		TOC Elevation	89.07

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried pad	Replace Well Pad	Yes
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1706A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/12/2007
Site Name	Study Area 17	**Inspection Time**	9:59
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	11.00	Survey Northing	1,490,426.0000
Screen Interval (ft)	2.01-11	Survey Easting	546,708.0000
Well Diameter (in)	0.5	North (decimal degrees)	28.43338836
Well Material	PVC SCH 40	East (decimal degrees)	-81.3405782
Completion Type:		TOC Elevation	89.8

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	eroded under pad,buried pad	Replace Well Pad	Yes
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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TETRA TECH NUS, INC.

WELL INSPECTION REPORT

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1706A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	09/24/2012
Site Name	Study Area 17	**Inspection Time**	17:34
Site Status	Active	**Field Inspector**	Katie Ballew

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	11.00	Survey Northing	1,490,426.0000
Screen Interval (ft)	2.01-11	Survey Easting	546,708.0000
Well Diameter (in)	0.50	North (decimal degrees)	28.43338836
Well Material	PVC SCH 40	East (decimal degrees)	-81.3405782
Completion Type:		TOC Elevation	89.8

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	Good	Replace Well Pad	No
Well Tag	No tag	Replace Well Tag	Yes
Well Cover	Good	Replace Well Cover	No
Well Cap	Good	Replace Well Cap	No
Well Lock	Good	Replace Well Lock	No
Protective Casing	Good	Replace Protective Casing	No

WELL PHOTOGRAPH	COMMENTS
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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1710C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/12/2007
Site Name	Study Area 17	**Inspection Time**	10:09
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	47.00	Survey Northing	1,490,418.0000
Screen Interval (ft)	42-47	Survey Easting	546,673.0000
Well Diameter (in)	2	North (decimal degrees)	28.43336608
Well Material	PVC SCH 40	East (decimal degrees)	-81.34068703
Completion Type:		TOC Elevation	89.2

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried pad	Replace Well Pad	Yes
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1713B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/12/2007
Site Name	Study Area 17	**Inspection Time**	10:35
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	20.00	Survey Northing	1,490,202.1100
Screen Interval (ft)	15-20	Survey Easting	546,996.7600
Well Diameter (in)	2	North (decimal degrees)	28.43277482
Well Material	PVC SCH 40	East (decimal degrees)	-81.33967777
Completion Type:		TOC Elevation	90.01

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good,buried pad	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolting,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	not applicable	Replace Protective Casing	No

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COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1714C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/12/2007
Site Name	Study Area 17	**Inspection Time**	10:40
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	48.00	Survey Northing	1,490,197.0400
Screen Interval (ft)	43-48	Survey Easting	546,993.7430
Well Diameter (in)	2	North (decimal degrees)	28.43276086
Well Material	PVC SCH 40	East (decimal degrees)	-81.33968711
Completion Type:		TOC Elevation	89.85

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried pad	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolting,bolts missing	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	not applicable	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1715A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	9:56
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.00	Survey Northing	1,490,218.2400
Screen Interval (ft)	2.01-12	Survey Easting	546,829.3700
Well Diameter (in)	2	North (decimal degrees)	28.43281789
Well Material	PVC SCH 40	East (decimal degrees)	-81.34019873
Completion Type:		TOC Elevation	88.85

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	damaged,eroded under pad,buried pa	Replace Well Pad	Yes
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,damaged	Replace Well Cover	Yes
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

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COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1716B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	9:59
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	20.00	Survey Northing	1,490,221.1300
Screen Interval (ft)	15-20	Survey Easting	546,825.2500
Well Diameter (in)	2	North (decimal degrees)	28.4328258
Well Material	PVC SCH 40	East (decimal degrees)	-81.34021158
Completion Type:		TOC Elevation	88.72

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good,buried pad	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

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COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1717C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	10:00
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	48.00	Survey Northing	1,490,227.0000
Screen Interval (ft)	43-48	Survey Easting	546,818.9900
Well Diameter (in)	2	North (decimal degrees)	28.4328419
Well Material	PVC SCH 40	East (decimal degrees)	-81.34023111
Completion Type:		TOC Elevation	88.56

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried pad	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1718A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	8:49
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.00	Survey Northing	1,490,388.9200
Screen Interval (ft)	2.01-12	Survey Easting	546,979.5500
Well Diameter (in)	2	North (decimal degrees)	28.43328849
Well Material	PVC SCH 40	East (decimal degrees)	-81.33973296
Completion Type:		TOC Elevation	91.12

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1719B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	8:27
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	30.00	Survey Northing	1,490,325.3100
Screen Interval (ft)	25-30	Survey Easting	547,113.2300
Well Diameter (in)	2	North (decimal degrees)	28.43311457
Well Material	PVC SCH 40	East (decimal degrees)	-81.33931647
Completion Type:		TOC Elevation	91.46

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good,buried pad	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1720C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	8:22
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	52.00	Survey Northing	1,490,330.0900
Screen Interval (ft)		Survey Easting	547,116.1900
Well Diameter (in)	2	North (decimal degrees)	28.43312774
Well Material	PVC SCH 40	East (decimal degrees)	-81.3393073
Completion Type:		TOC Elevation	91.45

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1721B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/12/2007
Site Name	Study Area 17	**Inspection Time**	10:57
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	20.00	Survey Northing	1,490,511.2100
Screen Interval (ft)	15-20	Survey Easting	546,832.0100
Well Diameter (in)	2	North (decimal degrees)	28.43362368
Well Material	PVC SCH 40	East (decimal degrees)	-81.3401931
Completion Type:		TOC Elevation	90.48

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolting,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1722C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/12/2007
Site Name	Study Area 17	**Inspection Time**	11:00
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	48.00	Survey Northing	1,490,517.4200
Screen Interval (ft)	43-48	Survey Easting	546,837.0400
Well Diameter (in)	2	North (decimal degrees)	28.4336408
Well Material	PVC SCH 40	East (decimal degrees)	-81.3401775
Completion Type:		TOC Elevation	90.48

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good,buried pad	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolting,bolts missing	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Gray,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

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COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1723AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	14:49
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.50	Survey Northing	1,490,404.0600
Screen Interval (ft)	2.2-12.2	Survey Easting	546,847.0000
Well Diameter (in)	2	North (decimal degrees)	28.4333291
Well Material	PVC SCH 40	East (decimal degrees)	-81.34014551
Completion Type:		TOC Elevation	89.38

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried pad	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1724BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	11:16
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	20.00	Survey Northing	1,490,400.2300
Screen Interval (ft)	15-20	Survey Easting	546,851.0600
Well Diameter (in)	2	North (decimal degrees)	28.43331859
Well Material	PVC SCH 40	East (decimal degrees)	-81.34013285
Completion Type:		TOC Elevation	89.56

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1725CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	14:57
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.00	Survey Northing	1,490,400.2300
Screen Interval (ft)	2.01-12	Survey Easting	546,851.0600
Well Diameter (in)	2	North (decimal degrees)	28.43331859
Well Material	PVC SCH 40	East (decimal degrees)	-81.34013285
Completion Type:		TOC Elevation	89.16

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	No
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1726A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/12/2007
Site Name	Study Area 17	**Inspection Time**	9:39
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	12.00	Survey Northing	1,490,431.6100
Screen Interval (ft)	2.01-12	Survey Easting	546,735.4600
Well Diameter (in)	2	North (decimal degrees)	28.433404
Well Material	PVC SCH 40	East (decimal degrees)	-81.34049281
Completion Type:		TOC Elevation	90

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried pad	Replace Well Pad	Yes
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1727B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/12/2007
Site Name	Study Area 17	**Inspection Time**	9:51
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	20.00	Survey Northing	1,490,428.3700
Screen Interval (ft)	15-20	Survey Easting	546,740.4200
Well Diameter (in)	2	North (decimal degrees)	28.43339513
Well Material	PVC SCH 40	East (decimal degrees)	-81.34047734
Completion Type:		TOC Elevation	89.99

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried pad	Replace Well Pad	Yes
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1728C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/12/2007
Site Name	Study Area 17	**Inspection Time**	9:54
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	63.00	Survey Northing	1,490,423.6700
Screen Interval (ft)	58-63	Survey Easting	546,747.7100
Well Diameter (in)	2	North (decimal degrees)	28.43338226
Well Material	PVC SCH 40	East (decimal degrees)	-81.34045462
Completion Type:		TOC Elevation	89.96

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	buried pad	Replace Well Pad	Yes
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1730A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	10:00
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	6.00	Survey Northing	1,490,347.0000
Screen Interval (ft)	5.01-6	Survey Easting	546,682.0000
Well Diameter (in)	1	North (decimal degrees)	28.43317088
Well Material	PVC SCH 40	East (decimal degrees)	-81.3406584
Completion Type:		TOC Elevation	89.4

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	NA	Replace Well Pad	Not applicable
Well Tag	NA	Replace Well Tag	Not applicable
Well Cover	NA	Replace Well Cover	Not applicable
Well Cap	good	Replace Well Cap	No
Well Lock	Unknown	Replace Well Lock	Yes
Protective Casing	NA	Replace Protective Casing	Not applicable

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COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1731A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	10:05
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	6.00	Survey Northing	1,490,306.0000
Screen Interval (ft)	5.01-6	Survey Easting	546,768.0000
Well Diameter (in)	1	North (decimal degrees)	28.43305878
Well Material	PVC SCH 40	East (decimal degrees)	-81.34039045
Completion Type:		TOC Elevation	89.6

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	NA	Replace Well Pad	Not applicable
Well Tag	NA	Replace Well Tag	Not applicable
Well Cover	NA	Replace Well Cover	Not applicable
Well Cap	good	Replace Well Cap	No
Well Lock	Unknown	Replace Well Lock	Yes
Protective Casing	NA	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1732A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	10:10
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	6.00	Survey Northing	1,490,236.0000
Screen Interval (ft)	5.01-6	Survey Easting	546,865.0000
Well Diameter (in)	1	North (decimal degrees)	28.43286701
Well Material	PVC SCH 40	East (decimal degrees)	-81.34008803
Completion Type:		TOC Elevation	89.7

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	NA	Replace Well Pad	Not applicable
Well Tag	NA	Replace Well Tag	Not applicable
Well Cover	NA	Replace Well Cover	Not applicable
Well Cap	good	Replace Well Cap	No
Well Lock	Unknown	Replace Well Lock	Yes
Protective Casing	NA	Replace Protective Casing	Not applicable

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COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1733A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	10:15
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	6.00	Survey Northing	1,490,167.0000
Screen Interval (ft)	5.01-6	Survey Easting	546,953.0000
Well Diameter (in)	1	North (decimal degrees)	28.43267792
Well Material	PVC SCH 40	East (decimal degrees)	-81.33981362
Completion Type:		TOC Elevation	89.5

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	NA	Replace Well Pad	Not applicable
Well Tag	NA	Replace Well Tag	Not applicable
Well Cover	NA	Replace Well Cover	Not applicable
Well Cap	good	Replace Well Cap	No
Well Lock	Unknown	Replace Well Lock	Yes
Protective Casing	NA	Replace Protective Casing	Not applicable

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COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1734A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	9:37
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	20.00	Survey Northing	1,490,546.6100
Screen Interval (ft)	5.01-15	Survey Easting	546,933.5600
Well Diameter (in)	2	North (decimal degrees)	28.43372183
Well Material	PVC SCH 40	East (decimal degrees)	-81.33987744
Completion Type:		TOC Elevation	90.44

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	Yes
Well Tag	non-standard tag,properly attached	Replace Well Tag	Yes
Well Cover	bolting,good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1735B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	9:40
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	22.00	Survey Northing	1,490,543.0900
Screen Interval (ft)	15-20	Survey Easting	546,938.1100
Well Diameter (in)	2	North (decimal degrees)	28.43371219
Well Material	PVC SCH 40	East (decimal degrees)	-81.33986325
Completion Type:		TOC Elevation	90.2

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,properly attached	Replace Well Tag	Yes
Well Cover	bolting,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1736B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	10:23
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	30.50	Survey Northing	1,490,208.3700
Screen Interval (ft)	24-29	Survey Easting	547,281.2500
Well Diameter (in)	2	North (decimal degrees)	28.43279425
Well Material	PVC SCH 40	East (decimal degrees)	-81.33879266
Completion Type:		TOC Elevation	89.18

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good,buried pad	Replace Well Pad	No
Well Tag	non-standard tag,paint pen,properly at	Replace Well Tag	Yes
Well Cover	bolting,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

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COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1737C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	10:20
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	57.00	Survey Northing	1,490,214.2200
Screen Interval (ft)	45-55	Survey Easting	547,283.6600
Well Diameter (in)	2	North (decimal degrees)	28.43281036
Well Material	PVC SCH 40	East (decimal degrees)	-81.33878521
Completion Type:		TOC Elevation	89.24

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	damaged-cracked,buried pad	Replace Well Pad	Yes
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1738D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	8:14
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	73.30	Survey Northing	1,490,331.7800
Screen Interval (ft)	65-70	Survey Easting	547,110.3600
Well Diameter (in)	2	North (decimal degrees)	28.43313235
Well Material	PVC SCH 40	East (decimal degrees)	-81.33932545
Completion Type:		TOC Elevation	94.05

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Key # 24722	Replace Well Lock	No
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1739C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	9:06
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	51.00	Survey Northing	1,490,223.7800
Screen Interval (ft)	45-50	Survey Easting	547,144.1800
Well Diameter (in)	1	North (decimal degrees)	28.43283557
Well Material	PVC SCH 40	East (decimal degrees)	-81.33921928
Completion Type:		TOC Elevation	89.72

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	No
Well Cover	bolting,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

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COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1740C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	10:30
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	51.00	Survey Northing	1,490,341.8800
Screen Interval (ft)	45-50	Survey Easting	547,307.9700
Well Diameter (in)	1	North (decimal degrees)	28.43316166
Well Material	PVC SCH 40	East (decimal degrees)	-81.33871069
Completion Type:		TOC Elevation	91.74

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good,buried pad	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1741C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/12/2007
Site Name	Study Area 17	**Inspection Time**	11:19
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	52.00	Survey Northing	1,490,468.1500
Screen Interval (ft)	46-51	Survey Easting	547,102.8600
Well Diameter (in)	1	North (decimal degrees)	28.43350735
Well Material	PVC SCH 40	East (decimal degrees)	-81.33934999
Completion Type:		TOC Elevation	90.77

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolting,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1742B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	8:42
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	32.50	Survey Northing	1,490,414.7200
Screen Interval (ft)	24-29	Survey Easting	546,994.3700
Well Diameter (in)	1	North (decimal degrees)	28.43335956
Well Material	PVC SCH 40	East (decimal degrees)	-81.33968708
Completion Type:		TOC Elevation	92.63

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Key # 24722	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1743C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	8:46
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	54.80	Survey Northing	1,490,417.3000
Screen Interval (ft)	46-51	Survey Easting	547,000.4100
Well Diameter (in)	1	North (decimal degrees)	28.4333667
Well Material	PVC SCH 40	East (decimal degrees)	-81.33966831
Completion Type:		TOC Elevation	92.45

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	missing	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	good	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1744A / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/12/2007
Site Name	Study Area 17	**Inspection Time**	10:19
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	19.00	Survey Northing	1,490,268.7500
Screen Interval (ft)	5.01-15	Survey Easting	547,050.7500
Well Diameter (in)	1	North (decimal degrees)	28.43295853
Well Material	PVC SCH 40	East (decimal degrees)	-81.33951037
Completion Type:		TOC Elevation	92.65

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Key # 24722,Damaged	Replace Well Lock	Yes
Protective Casing	missing	Replace Protective Casing	Yes

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1745C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	10:37
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	51.00	Survey Northing	1,490,443.7600
Screen Interval (ft)	45-50	Survey Easting	547,400.2700
Well Diameter (in)	1	North (decimal degrees)	28.43344258
Well Material	PVC SCH 40	East (decimal degrees)	-81.3384244
Completion Type:		TOC Elevation	90.82

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolting,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1748C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	10:52
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	51.00	Survey Northing	1,490,651.4200
Screen Interval (ft)	45-50	Survey Easting	547,610.0300
Well Diameter (in)	1	North (decimal degrees)	28.43401534
Well Material	PVC SCH 40	East (decimal degrees)	-81.33777356
Completion Type:		TOC Elevation	91.2

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolting,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1749D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	08/11/2007
Site Name	Study Area 17	**Inspection Time**	10:48
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	58.00	Survey Northing	1,490,655.2100
Screen Interval (ft)	52-57	Survey Easting	547,613.5300
Well Diameter (in)	1	North (decimal degrees)	28.43402579
Well Material	PVC SCH 40	East (decimal degrees)	-81.3377627
Completion Type:		TOC Elevation	91.07

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolting,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1750C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	11:40
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	51.00	Survey Northing	1,490,632.9100
Screen Interval (ft)	45-50	Survey Easting	547,375.2900
Well Diameter (in)	1	North (decimal degrees)	28.43396261
Well Material	PVC SCH 40	East (decimal degrees)	-81.33850378
Completion Type:		TOC Elevation	92.79

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1751D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	11:51
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	58.00	Survey Northing	1,490,632.9400
Screen Interval (ft)	52-57	Survey Easting	547,380.2600
Well Diameter (in)	1	North (decimal degrees)	28.43396274
Well Material	PVC SCH 40	East (decimal degrees)	-81.33848832
Completion Type:		TOC Elevation	92.62

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	American - Key # 24722,Good - key w	Replace Well Lock	No
Protective Casing	good	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1754B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	10:17
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	23.90	Survey Northing	1,490,391.7300
Screen Interval (ft)		Survey Easting	546,863.3800
Well Diameter (in)		North (decimal degrees)	28.43329531
Well Material	PVC SCH 40	East (decimal degrees)	-81.34009444
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1754C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	10:21
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	40.80	Survey Northing	1,490,394.5100
Screen Interval (ft)		Survey Easting	546,863.9400
Well Diameter (in)		North (decimal degrees)	28.43330296
Well Material	PVC SCH 40	East (decimal degrees)	-81.34009272
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1755B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	10:27
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	24.90	Survey Northing	1,490,389.3100
Screen Interval (ft)		Survey Easting	546,844.5800
Well Diameter (in)		North (decimal degrees)	28.43328851
Well Material	PVC SCH 40	East (decimal degrees)	-81.34015291
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1755C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	10:30
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	40.80	Survey Northing	1,490,388.8200
Screen Interval (ft)		Survey Easting	546,847.2900
Well Diameter (in)		North (decimal degrees)	28.43328718
Well Material	PVC SCH 40	East (decimal degrees)	-81.34014448
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1756B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	10:35
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	27.75	Survey Northing	1,490,409.2700
Screen Interval (ft)		Survey Easting	546,844.7700
Well Diameter (in)		North (decimal degrees)	28.43334341
Well Material	PVC SCH 40	East (decimal degrees)	-81.3401525
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Abandon Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

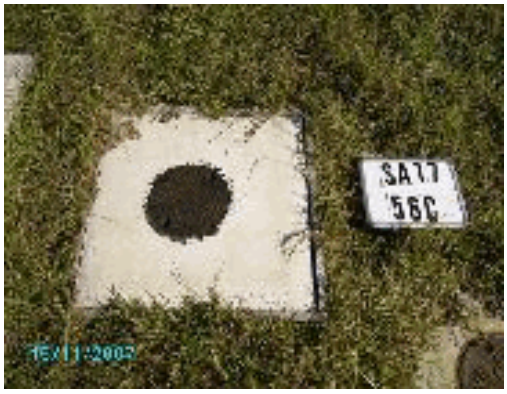
TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1756C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	10:38
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	41.41	Survey Northing	1,490,406.8700
Screen Interval (ft)		Survey Easting	546,846.1600
Well Diameter (in)		North (decimal degrees)	28.43333682
Well Material	PVC SCH 40	East (decimal degrees)	-81.34014815
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	No
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH



COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1757B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	10:46
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	25.45	Survey Northing	1,490,413.7500
Screen Interval (ft)		Survey Easting	546,838.5600
Well Diameter (in)		North (decimal degrees)	28.43335568
Well Material	PVC SCH 40	East (decimal degrees)	-81.34017186
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1757C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	10:49
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	40.95	Survey Northing	1,490,411.3300
Screen Interval (ft)		Survey Easting	546,839.3100
Well Diameter (in)		North (decimal degrees)	28.43334903
Well Material	PVC SCH 40	East (decimal degrees)	-81.3401695
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1758B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	10:54
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	25.10	Survey Northing	1,490,388.9300
Screen Interval (ft)		Survey Easting	546,855.0700
Well Diameter (in)		North (decimal degrees)	28.43328755
Well Material	PVC SCH 40	East (decimal degrees)	-81.34012027
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	missing	Replace Well Pad	Yes
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	missing	Replace Well Cover	Yes
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD1758C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	11/15/2007
Site Name	Study Area 17	**Inspection Time**	11:00
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	39.84	Survey Northing	1,490,387.1000
Screen Interval (ft)		Survey Easting	546,857.7000
Well Diameter (in)		North (decimal degrees)	28.43328253
Well Material	PVC SCH 40	East (decimal degrees)	-81.34011207
Completion Type:		TOC Elevation	

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,not attached,pair	Replace Well Tag	Yes
Well Cover	bolting,bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	Not applicable

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

Well Inspection Report

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-17-59D	**Inspection Date:**	August 7, 2013
Facility Location:	Orlando, FL 32813	**Site name:**	SA 17	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Active			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth	67	Survey Northing	1,490,480.78
Screen Interval	62-67	Survey Easting	546,849.03
Well Diameter	2	North (Decimal Degrees)	NA
Well Material	Sch. 40 PVC	East (Decimal Degrees)	NA
Completion Type	FM	TOC Elevation	89.60
Well Condition		**Field Recommendations**	
Well Pad	Good	Abandon or Retain	NA
Well Tag	Good	Replace Well Pad	NA
Well Cover	Good	Replace Well Tag	NA
Well cap	Good	Replace Well Cover	NA
Well Lock	NA	Replace Well Cap	NA
Protective Casing	NA	Replace Well Lock	NA
		Replace Protective Casing	NA

Well Photograph (Well)

Well Photograph (Area)

Comments	SIGNITURE	
	Matthew Martin (Resolution Consultants)	
	Print	Signature

Well Inspection Report

Facility Name:	NTC, Orlando	**Well ID/Well Type:**	OLD-17-60D	**Inspection Date:**	August 7, 2013
Facility Location:	Orlando, FL 32813	**Site name:**	SA 17	**Contractor:**	Resolution Consultants
Site Name:	Study Area 2			**Inspection Time:**	NA
Site Status:	Active			**Field Inspector:**	Matthew Martin

Well Construction Details		Well Coordinates	
Total Depth	68	Survey Northing	1,490,335.91
Screen Interval	63-68	Survey Easting	546,821.12
Well Diameter	2	North (Decimal Degrees)	NA
Well Material	Sch. 40 PVC	East (Decimal Degrees)	NA
Completion Type	FM	TOC Elevation	88.70
Well Condition		**Field Recommendations**	
Well Pad	Good	Abandon or Retain	NA
Well Tag	Good	Replace Well Pad	NA
Well Cover	Good	Replace Well Tag	NA
Well cap	Good	Replace Well Cover	NA
Well Lock	NA	Replace Well Cap	NA
Protective Casing	NA	Replace Well Lock	NA
		Replace Protective Casing	NA

Well Photograph (Well)

Well Photograph (Area)

Comments	SIGNITURE	
	Matthew Martin (Resolution Consultants)	
	Print	Signature

Boring Logs

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	OLD-36-18
PROJECT NUMBER:	7457	DATE:	14-Aug-00
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich 120	DRILLER:	Nick Smarrito

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
HAND	0			0834		loose	tan	SAND; fine-grnd, trace		dry	0	0	0	0
DIG								silt & dk grains			0	0	0	0
						loose	brn	SAND; silty, fine-grnd		dry	0	0	0	0
↓	4										0	0	0	0
SOIL											0	0	0	0
CUTS	6													
							lt gry	SAND; fine-grnd		moist				
											0	0	0	0
	13													
						m. dense	brn	SAND; silty, fine-grnd		v. wet				
	15										0	0	0	0
						dense	dk	SAND; fine- to med-grnd		dark color due to				
							brn			water staining, soil				
										dries to a lighter				
										color; saturated				
											0	0	0	0
	23													
						dense	dk	SAND; fine-grnd, trace lighter		hard, humic				
↓	25						brn	colored reflective grains			0	0	0	0
SOIL						dense	blk	SAND; very fine-grnd, cemented		wet	0	0	0	0
CUTS														
	28													
						mod.	dk	SAND; med- to fine-grnd		saturated				
						dense	brn				0	0	0	0
	33													
						v. soft	olv	CLAYEY SAND		1-in. ribbon				
↓	35			1038			brn				0	0	0	0
								BORING TERMINATED						
								AT 35 FEET						

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	OLD-36-18
PROJECT NUMBER:	7457	DATE:	14-Aug-00
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich 120	DRILLER:	Nick Smarrito

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS*	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: ______________________

Drilling Area Background (ppm): 0

Converted to Well? (Yes) No

Well I.D. #: OLD-36-18C

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	OLD-36-19
PROJECT NUMBER:	7457	DATE:	14-Aug-00
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich 120	DRILLER:	Nick Smarrito

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
HAND	0			1132			brn	TOPSOIL, sandy						
DIG						loose	lt gry	SAND; silty, fine-grnd						
	3									dry	0	0	0	0
						loose	brn	SAND; silty, med.-grnd		moist	0	0	0	0
SOIL														
CUTS														
								color now lt gry/brn			0	0	0	0
	12													
						mod dense	blk	SAND; silty, med-grnd		wet, "swamp" odor				
											0	0	0	0
	17										0	0	0	0
				1148										
								BORING TERMINATED						
								AT 17.5 FEET						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well? Yes No

Well I.D. #: OLD-36-19A

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	OLD-36-20
PROJECT NUMBER:	7457	DATE:	15-Aug-00
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich 120	DRILLER:	Nick Smarrito

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
HAND	0			0834		loose	tan	SAND; fine-grnd, trace		dry	0	0	0	0
DIG								silt & dk grains			0	0	0	0
						loose	brn	SAND; silty, fine-grnd		dry	0	0	0	0
↓	4										0	0	0	0
SOIL														
CUTS	6													
							lt gry	SAND; fine-grnd		moist				
	13													
						m. dense	brn	SAND; silty, fine-grnd		v. wet				
	15													
						dense	d br	SAND; fine- to med-grnd		dark color due to				
										water staining, soil				
										dries to a lighter				
										color				
	23													
						dense	d br	SAND; fine-grnd, trace lighter		cemented, humic				
↓	25							colored reflective grains						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: Finger of black cemented sand @ 9.5 ft, encountered again @ 15 ft.

Drilling Area Background (ppm): 0

Converted to Well? Yes No

Well I.D. #: OLD-36-20B

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	OLD-36-22
PROJECT NUMBER:	7457	DATE:	15-Aug-00
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich 120	DRILLER:	Nick Smarrito

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
HAND	0			0834		loose	tan	SAND; fine-grnd, trace		dry	0	0	0	0
DIG								silt & dk grains			0	0	0	0
						loose	brn	SAND; silty, fine-grnd		dry	0	0	0	0
	4										0	0	0	0
SOIL														
CUTS	6													
							lt gry	SAND; fine-grnd		moist				
	13													
						m. dense	brn	SAND; silty, fine-grnd		v. wet				
	15													
						dense	d br	SAND; fine- to med-grnd		dark color due to				
										water staining, soil				
										dries to a lighter				
										color				
	23													
						dense	d br	SAND; fine-grnd, trace lighter		cemented, humic				
	25							colored reflective grains						

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks: Boring terminated at 25 feet.

Drilling Area Background (ppm): 0

Converted to Well? Yes No

Well I.D. #: OLD-36-22B

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	OLD-36-23
PROJECT NUMBER:	7457	DATE:	15-Aug-00
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich 120	DRILLER:	Nick Smarrito

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
HAND	0			1331		loose	tan	SAND; fine-grnd, trace		dry	0	0	0	0
DIG								silt & dk grains			0	0	0	0
						loose	brn	SAND; silty, fine-grnd		dry	0	0	0	0
↓	4										0	0	0	0
SOIL											0	0	0	0
CUTS	6													
							lt gry	SAND; fine-grnd		moist				
											0	0	0	0
	13													
						m. dense	brn	SAND; silty, fine-grnd		v. wet				
	15										0	0	0	0
						dense	dk	SAND; fine- to med-grnd		dark color due to				
							brn			water staining, soil				
										dries to a lighter				
										color; saturated				
											0	0	0	0
	23													
						dense	dk	SAND; fine-grnd, trace lighter		hard, humic				
↓	25						brn	colored reflective grains			0	0	0	0
SOIL														
CUTS	27													
						dense	blk	SAND; very fine-grnd, cemented		wet				
	29													
						mod.	brn	SAND; med- to fine-grnd, some		saturated	0	0	0	0
						dense		clay						
	33													
				1347										
↓	35										0	0	0	0
								BORING TERMINATED						
								AT 35 FEET						

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	OLD-36-23
PROJECT NUMBER:	7457	DATE:	15-Aug-00
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich 120	DRILLER:	Nick Smarrito

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)		Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well? Yes No

Well I.D. #: OLD-36-23C

BORING LOG

PROJECT NAME:	NTC Orlando	BORING NUMBER:	OLD-36-24
PROJECT NUMBER:	7457	DATE:	16-Aug-00
DRILLING COMPANY:	Groundwater Protection Inc.	GEOLOGIST:	Skip Barton
DRILLING RIG:	Diedrich 120	DRILLER:	Nick Smarrito

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows/ 6" or ROD (%)	Sample Rcovery/ Sample Length	Time	Lithology Change (Depth/Ft.) or Screened Level	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	PID/FID Reading (ppm): Sampler BZ	PID/FID Reading (ppm): Borehole**	PID/FID Reading (ppm): Driller BZ**
HAND	0			0814				ASPHALT						
DIG							wht	GRAVEL						
	3					loose	lt gry	SAND; silty, fine-grnd		dry	0	0	0	0
↓						loose	brn	SAND; silty, med.-grnd		moist	0	0	0	0
SOIL											0	0	0	0
CUTS														
								color now lt gry/brn			0	0	0	0
	12													
						mod dense	blk	SAND; silty, med-grnd		wet, "swamp" odor				
											0	0	0	0
											0	0	0	0
	23													
				0836		dense	dk brn	SAND; fine-grnd, trace lighter		cemented, humic				
↓	25							colored reflective grains			0	0	0	0

* When rock coring, enter rock brokeness.
** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated response is read.

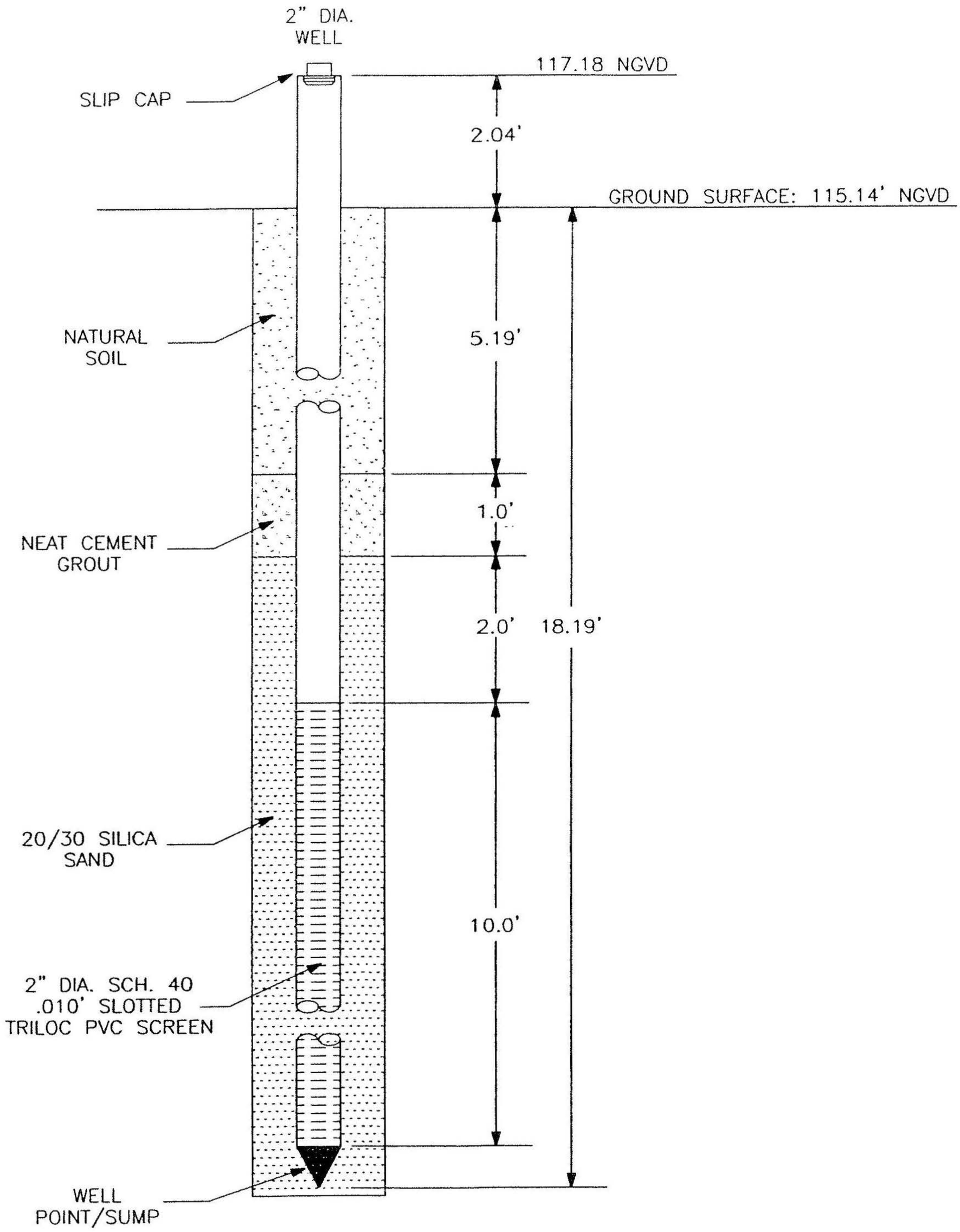
Drilling Area Background (ppm): 0

Remarks: Boring terminated at 25 feet.

Converted to Well? Yes No

Well I.D. #: OLD-36-24B

Completion Logs



WELL No. OLD 36-01AR

INSTALLATION REPORT

INSTALLATION DATE: 4-20-02

INSTALLED BY: NODARSE & ASSOCIATES, INC.

INSTALLATION METHOD: HOLLOW STEM

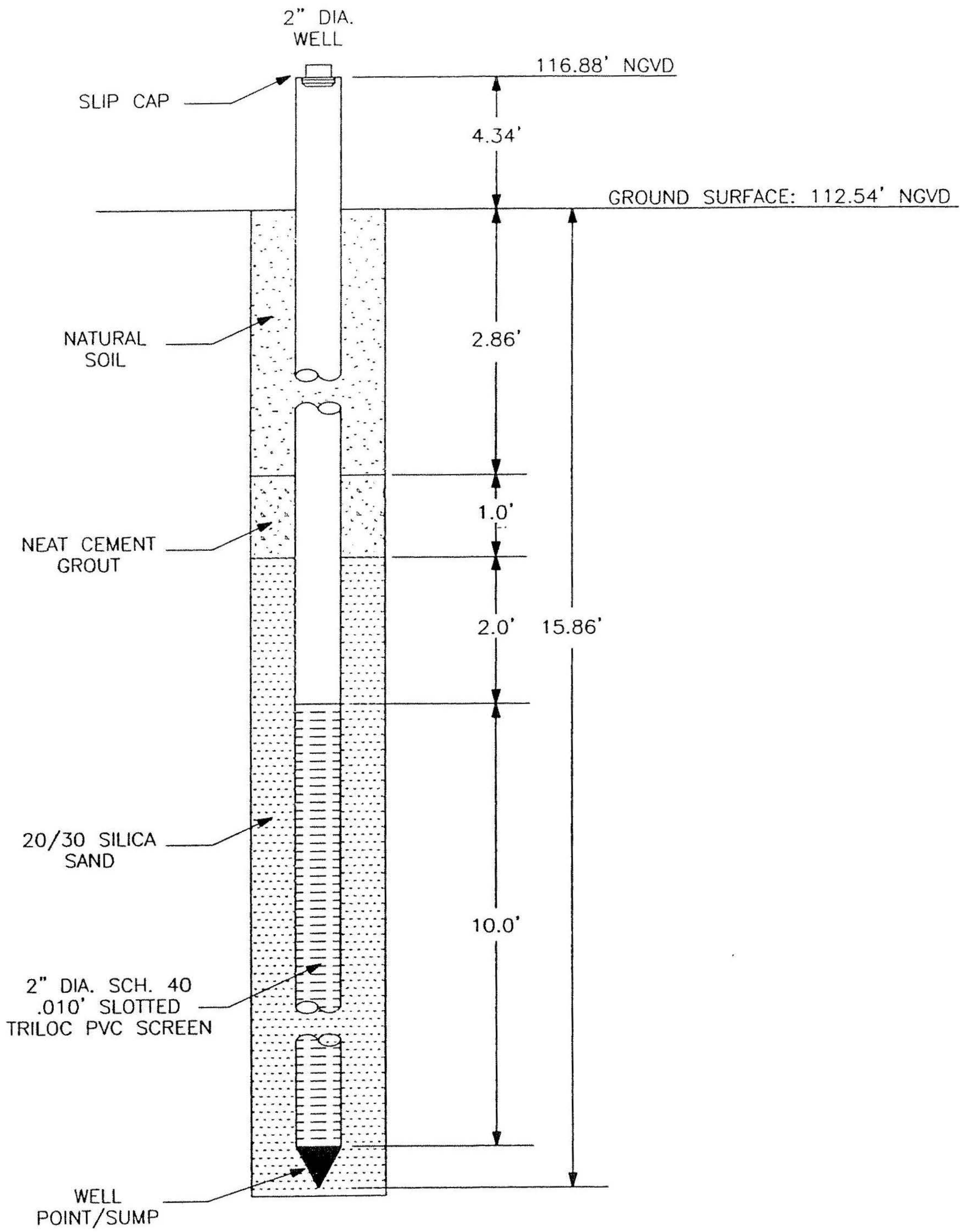
WELL CONSTRUCTION DETAIL

BALDWIN PARK

AREA 36

ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.	
CHKD: LW		
SCALE: N.T.S.		
DATE: 7-18-02	PROJ. NO: W99-E-186-2	DETAIL: 5



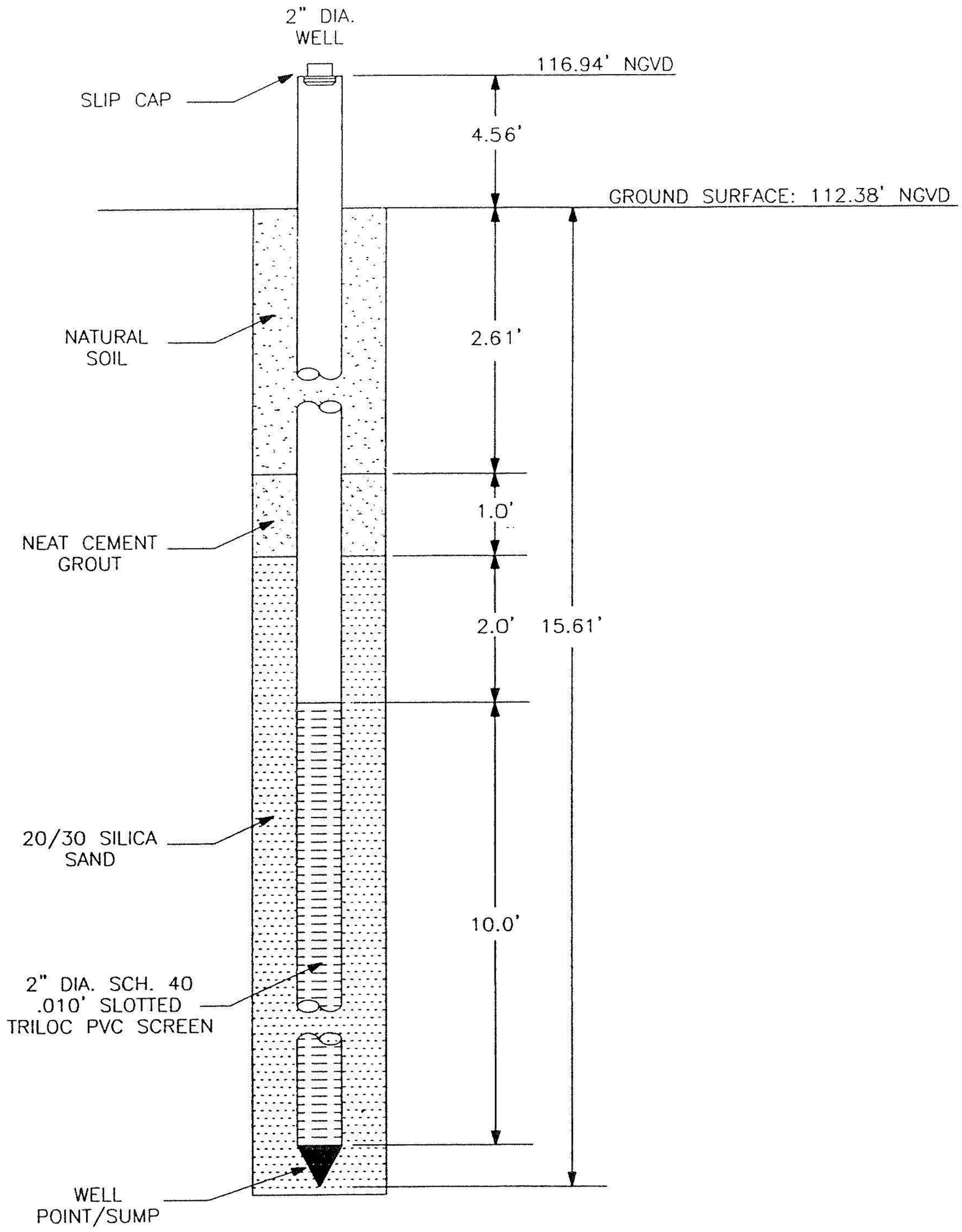
WELL No. OLD 36-02AR

INSTALLATION REPORT

INSTALLATION DATE:	4-29-02
INSTALLED BY:	DTD
INSTALLATION METHOD:	HOLLOW STEM

WELL CONSTRUCTION DETAIL
BALDWIN PARK
AREA 36
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.	
CHKD: LW		
SCALE: N.T.S.		
DATE: 7-18-02	PROJ. NO: W99-E-186-2	DETAIL: 1



WELL No. OLD 36-07AR

INSTALLATION REPORT

INSTALLATION DATE: 5-24-02

INSTALLED BY: NODARSE & ASSOCIATES, INC.

INSTALLATION METHOD: HOLLOW STEM

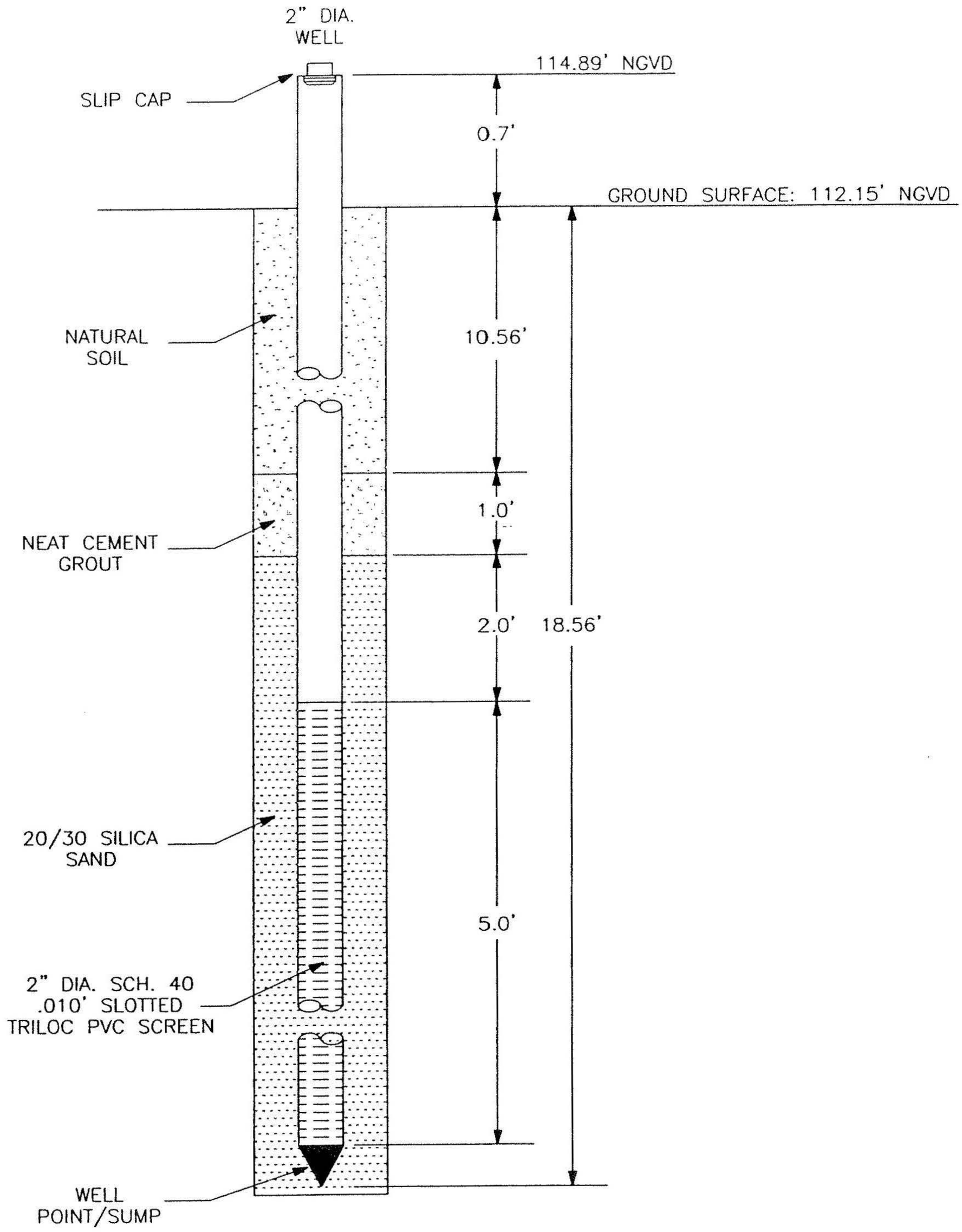
WELL CONSTRUCTION DETAIL

BALDWIN PARK

AREA 36

ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.
CHKD: LW	
SCALE: N.T.S.	
DATE: 7-18-02	PROJ. NO: W99-E-186-2 / DETAIL: 9



WELL No. OLD 36-08BR

INSTALLATION REPORT

INSTALLATION DATE: 5-24-02

INSTALLED BY: NODARSE & ASSOCIATES, INC.

INSTALLATION METHOD: HOLLOW STEM

WELL CONSTRUCTION DETAIL

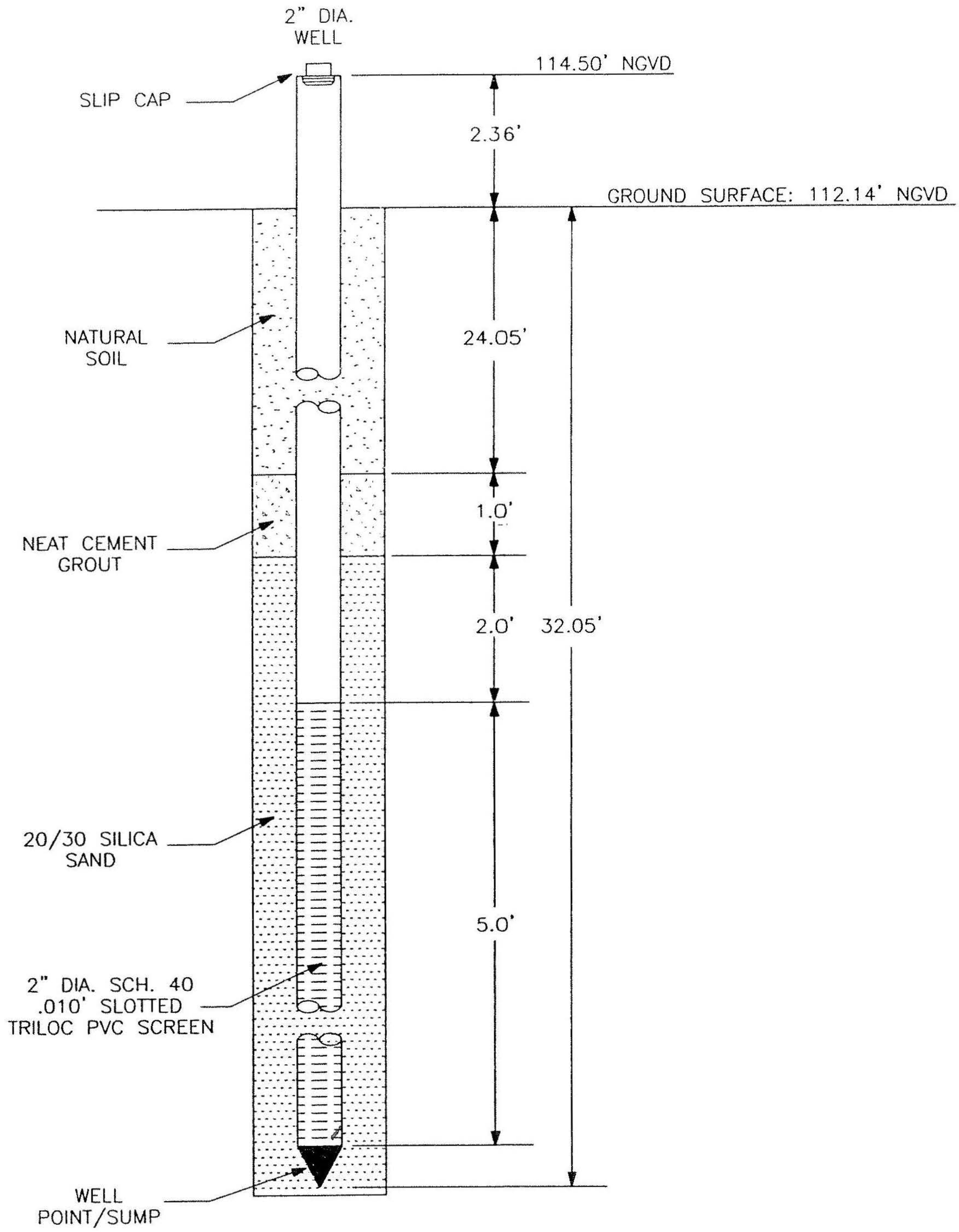
BALDWIN PARK

AREA 36

ORANGE COUNTY, FLORIDA

DRAWN:	MG
CHKD:	LW
SCALE:	N.T.S.
DATE:	7-18-02
PROJ. NO:	W99-E-186-2
DETAIL:	10

NODARSE & ASSOCIATES, INC.



WELL No. OLD 36-09CR

INSTALLATION REPORT

INSTALLATION DATE: 5-28-02

INSTALLED BY: NODARSE & ASSOCIATES, INC.

INSTALLATION METHOD: HOLLOW STEM

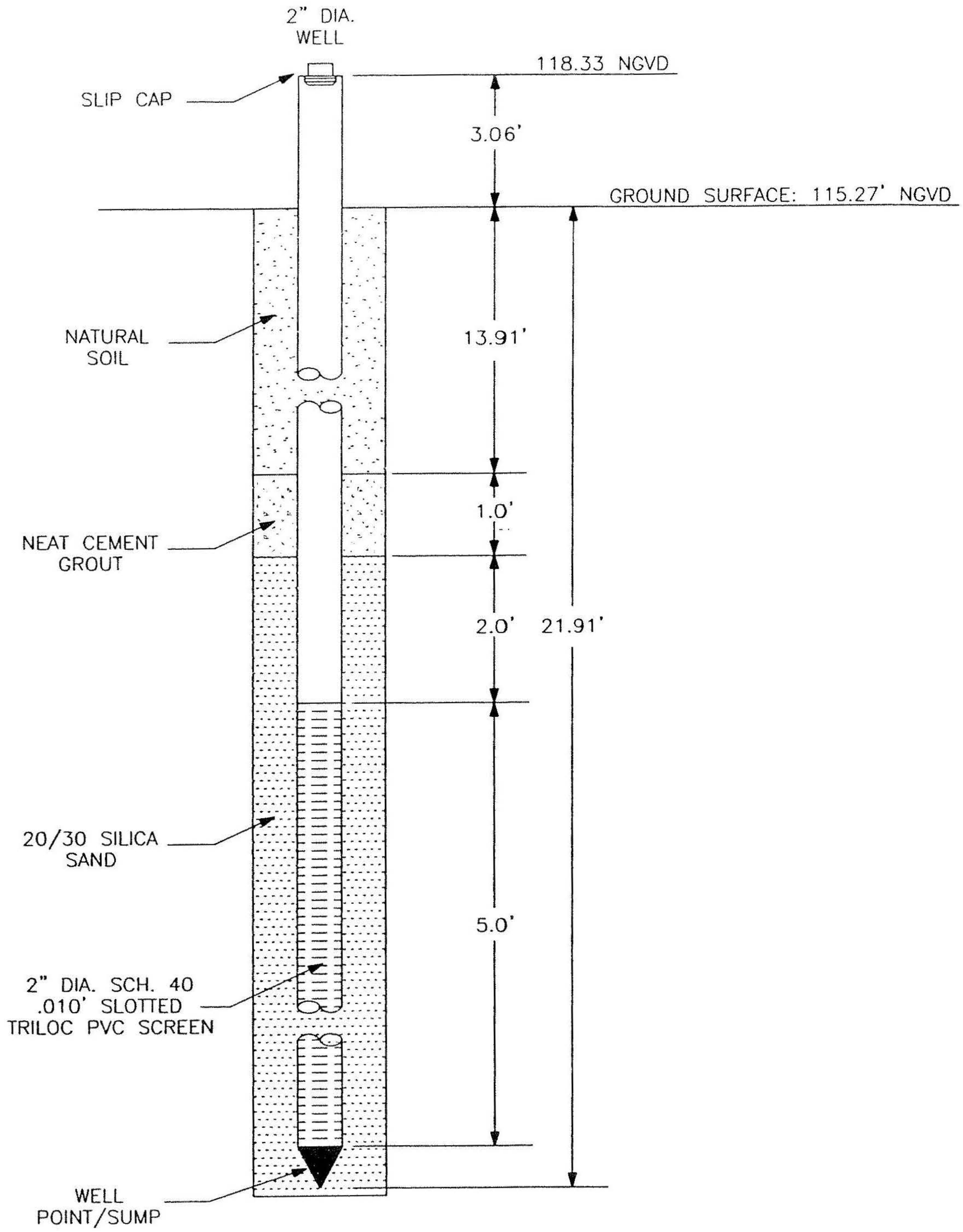
WELL CONSTRUCTION DETAIL

BALDWIN PARK

AREA 36

ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.
CHKD: LW	
SCALE: N.T.S.	
DATE: 7-18-02	PROJ. NO: W99-E-186-2 / DETAIL: 11



WELL No. OLD 36-10BR

INSTALLATION REPORT

INSTALLATION DATE: 4-20-02

INSTALLED BY: NODARSE & ASSOCIATES, INC.

INSTALLATION METHOD: HOLLOW STEM

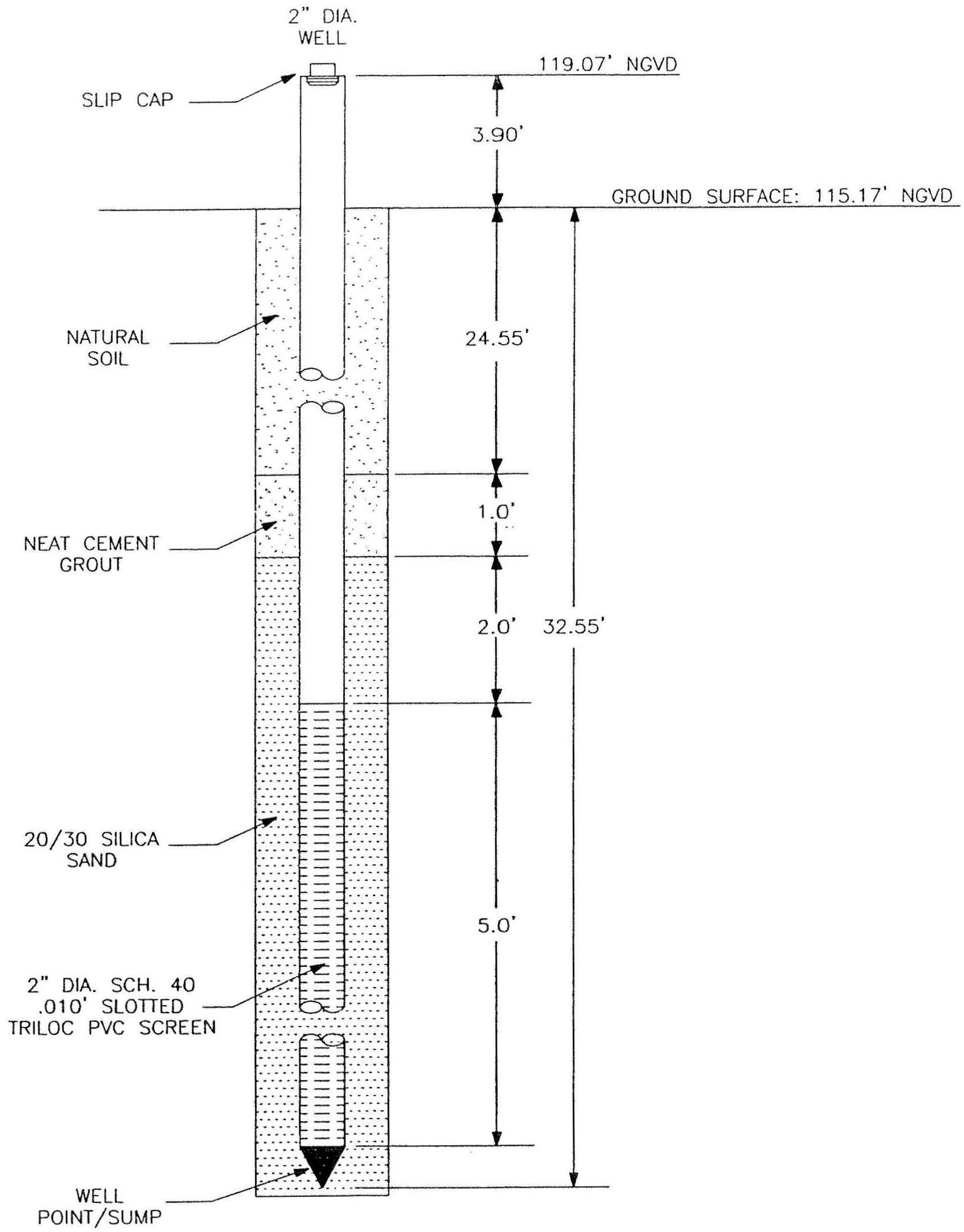
WELL CONSTRUCTION DETAIL

BALDWIN PARK

AREA 36

ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.
CHKD: LW	
SCALE: N.T.S.	
DATE: 7-18-02	PROJ. NO: W99-E-186-2 / DETAIL: 4



WELL No. OLD 36-11CR

INSTALLATION REPORT

INSTALLATION DATE: 5-22-02

INSTALLED BY: NODARSE & ASSOCIATES, INC.

INSTALLATION METHOD: HOLLOW STEM

WELL CONSTRUCTION DETAIL

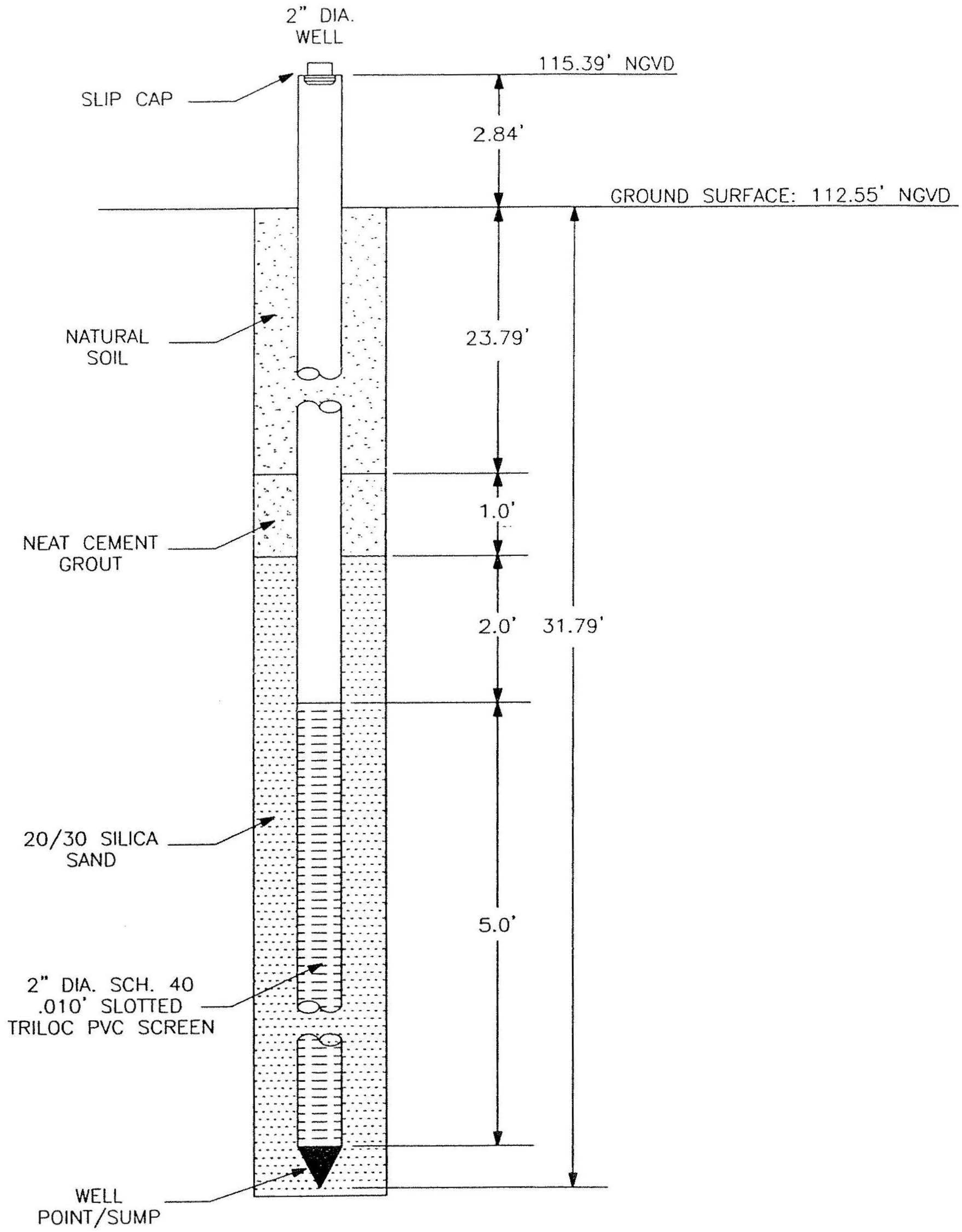
BALDWIN PARK

AREA 36

ORANGE COUNTY, FLORIDA

DRAWN:	MG
CHKD:	LW
SCALE:	N.T.S.
DATE:	7-18-02
PROJ. NO:	W99-E-186-2
DETAIL:	6

NODARSE & ASSOCIATES, INC.



WELL No. OLD 36-18CR

INSTALLATION REPORT

INSTALLATION DATE: 5-29-02

INSTALLED BY: NODARSE & ASSOCIATES, INC.

INSTALLATION METHOD: HOLLOW STEM

WELL CONSTRUCTION DETAIL

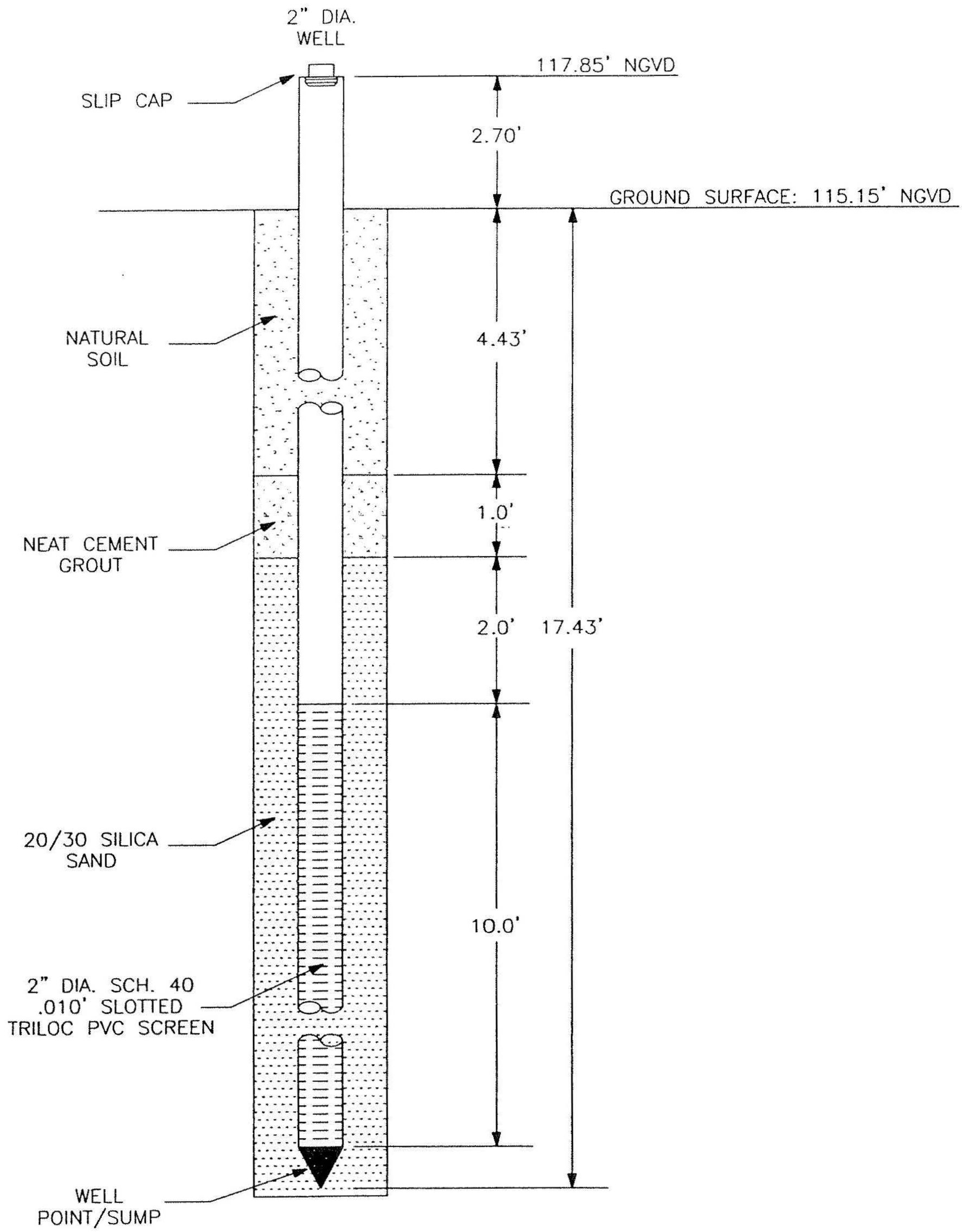
BALDWIN PARK

AREA 36

ORANGE COUNTY, FLORIDA

DRAWN:	MG
CHKD:	LW
SCALE:	N.T.S.
DATE:	7-18-02
PROJ. NO:	W99-E-186-2
DETAIL:	12

NODARSE & ASSOCIATES, INC.



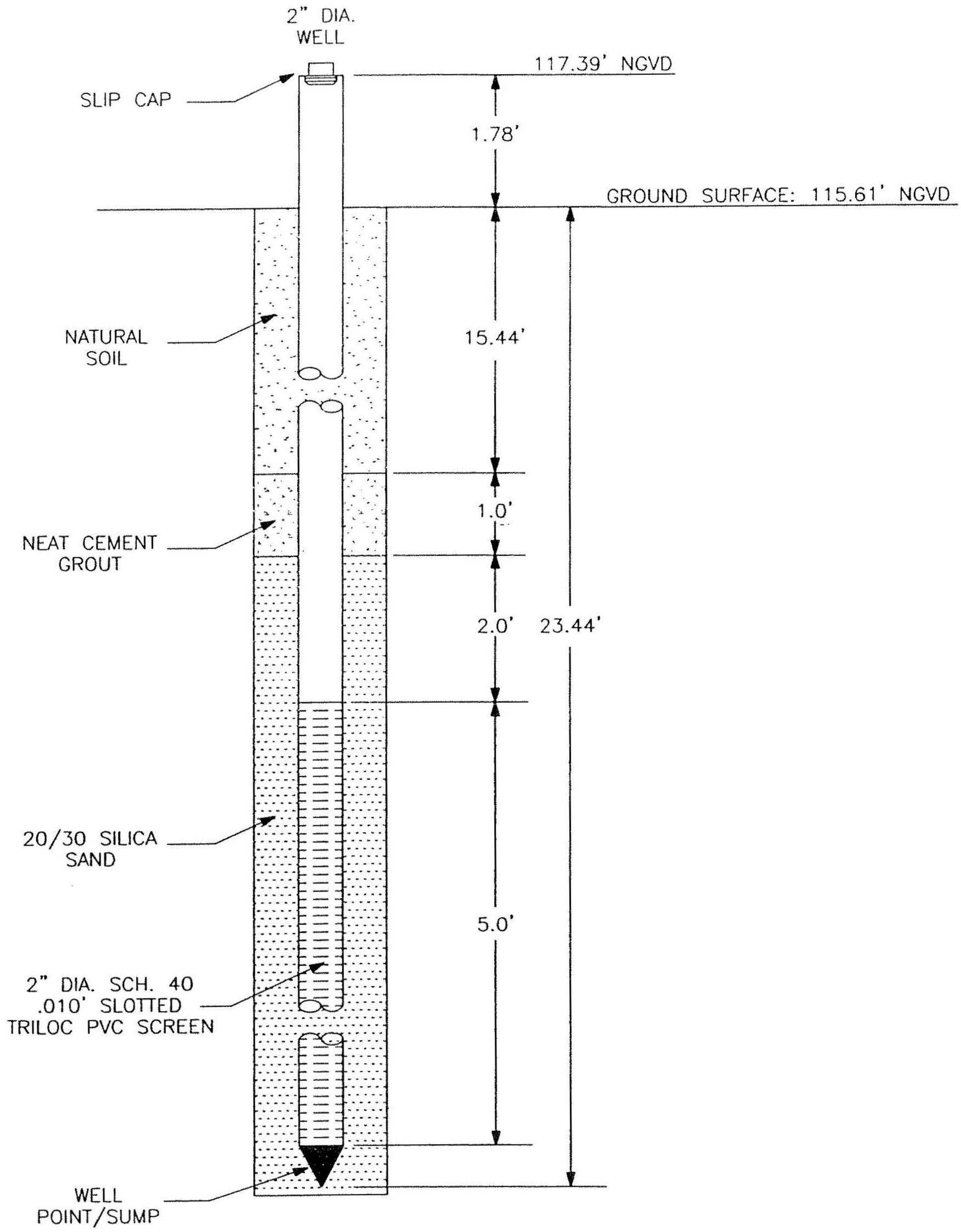
WELL No. OLD 36-19AR

INSTALLATION REPORT

INSTALLATION DATE:	5-1-02
INSTALLED BY:	DTD
INSTALLATION METHOD:	HOLLOW STEM

WELL CONSTRUCTION DETAIL
BALDWIN PARK
AREA 36
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.		
CHKD: LW			
SCALE: N.T.S.			
DATE: 7-18-02	PROJ. NO: W99-E-186-2	DETAIL: 7	



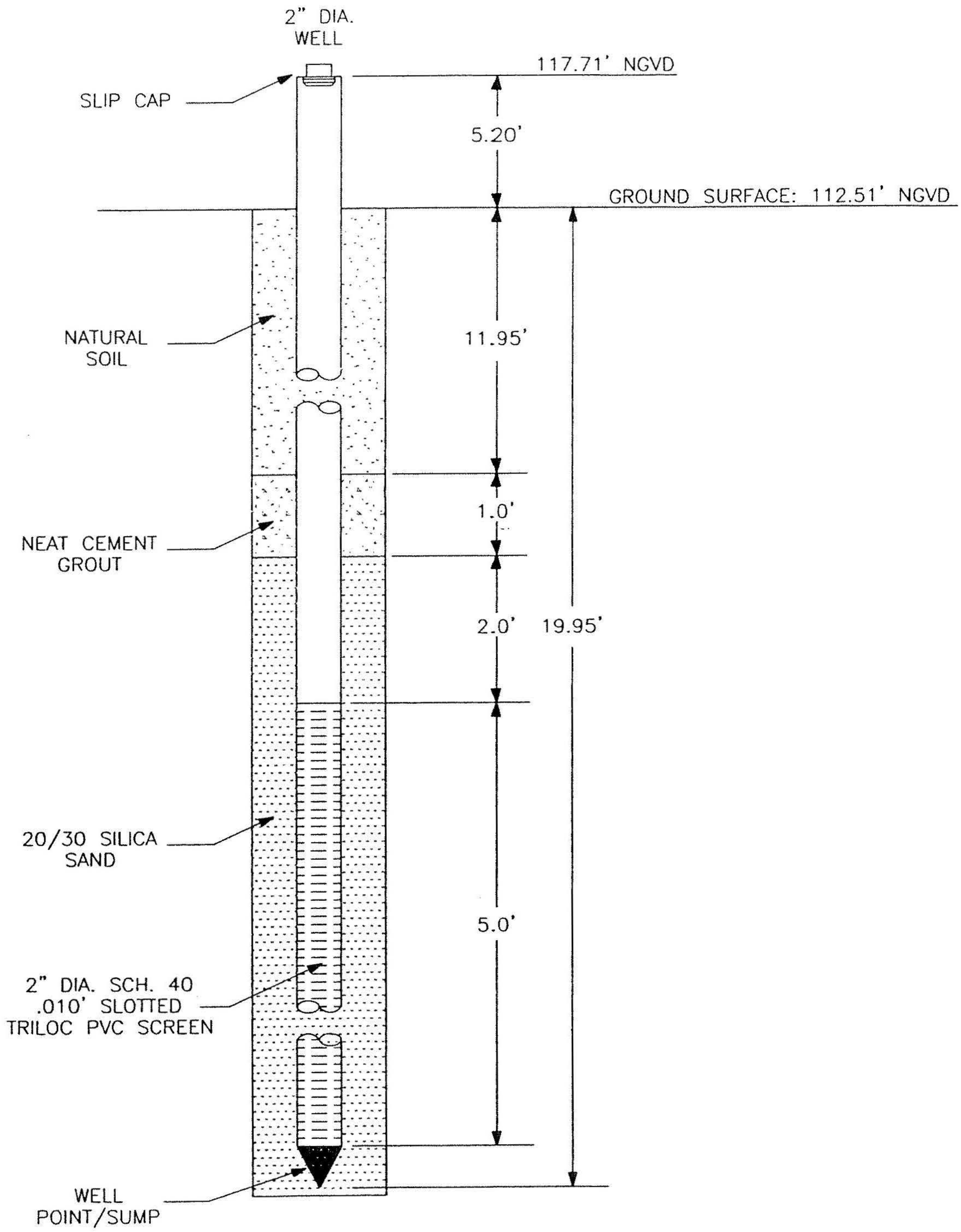
WELL No. OLD 36-20BR

INSTALLATION REPORT

INSTALLATION DATE:	5-1-02
INSTALLED BY:	DTD
INSTALLATION METHOD:	HOLLOW STEM

WELL CONSTRUCTION DETAIL
BALDWIN PARK
AREA 36
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.	
CHKD: LW		
SCALE: N.T.S.		
DATE: 7-18-02	PROJ. NO: W99-E-186-2	DETAIL: 8



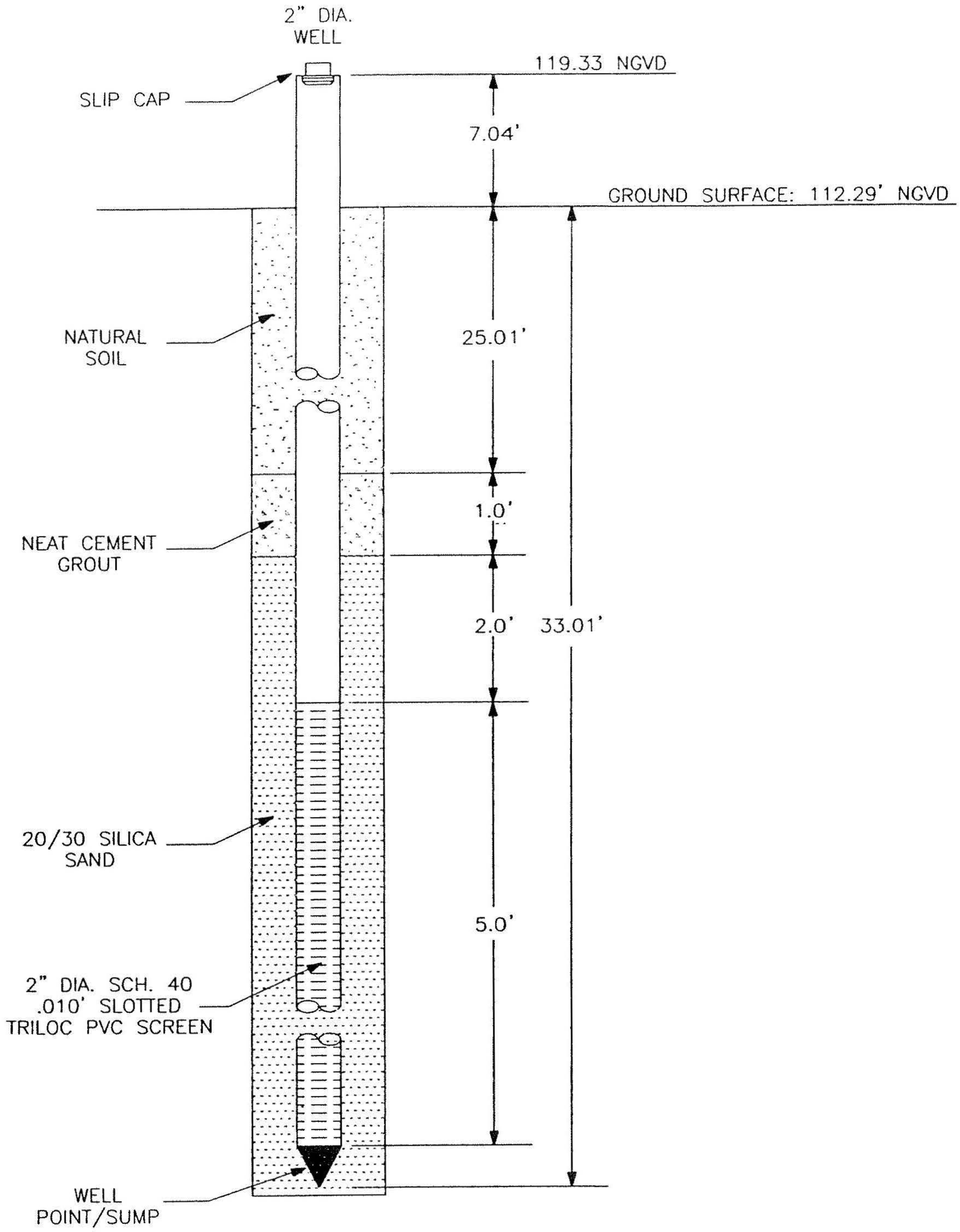
WELL No. OLD 36-22BR

INSTALLATION REPORT

INSTALLATION DATE:	4-29-02
INSTALLED BY:	DTD
INSTALLATION METHOD:	HOLLOW STEM

WELL CONSTRUCTION DETAIL
BALDWIN PARK
AREA 36
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.		
CHKD: LW			
SCALE: N.T.S.			
DATE: 7-18-02	PROJ. NO: W99-E-186-2	DETAIL: 2	



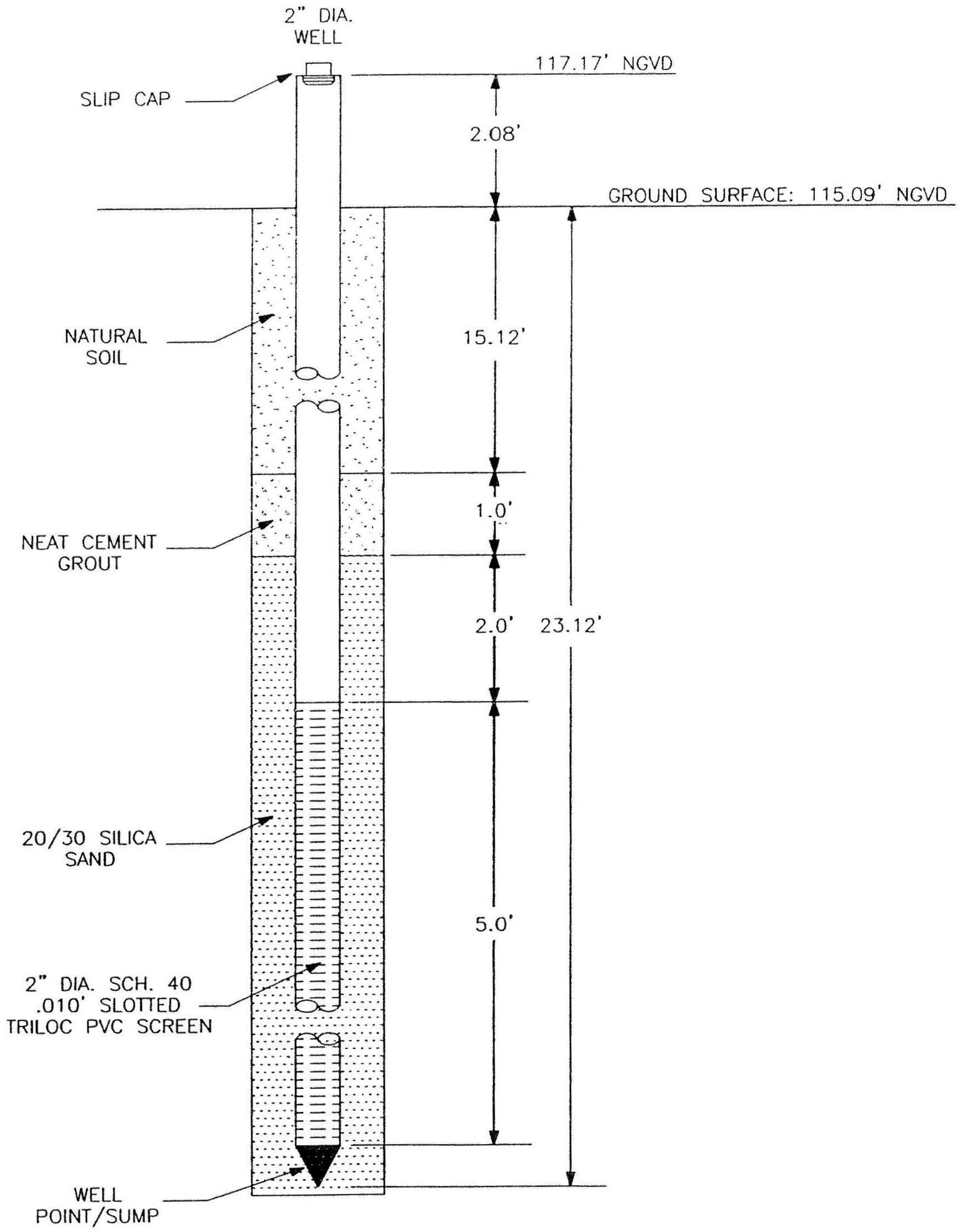
WELL No. OLD 36-23CR

INSTALLATION REPORT

INSTALLATION DATE:	4-29-02
INSTALLED BY:	DTD
INSTALLATION METHOD:	HOLLOW STEM

WELL CONSTRUCTION DETAIL
BALDWIN PARK
AREA 36
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.	
CHKD: LW		
SCALE: N.T.S.		
DATE: 7-18-02	PROJ. NO: W99-E-186-2	DETAIL: 3



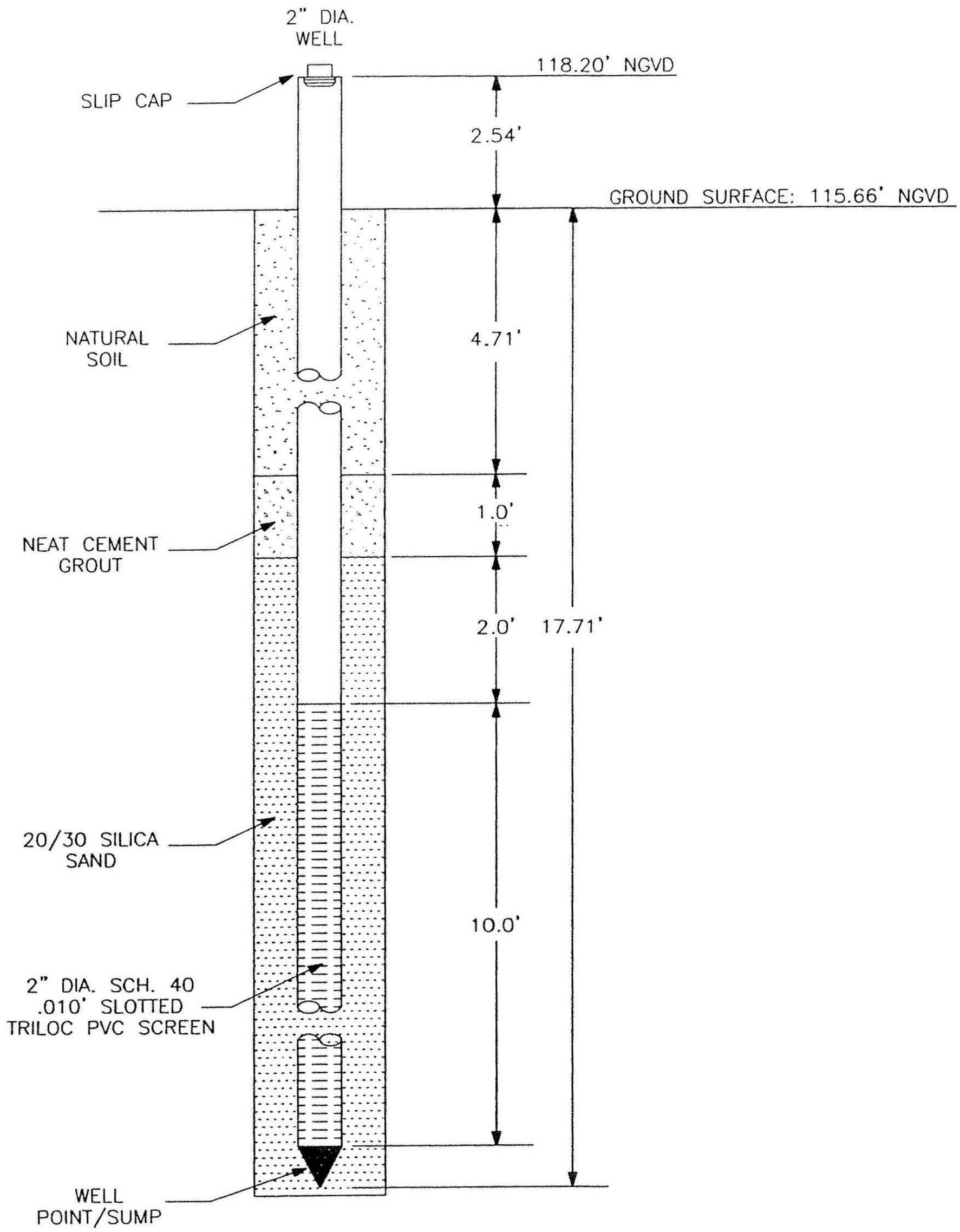
WELL No. OLD 36-24BR

INSTALLATION REPORT

INSTALLATION DATE:	4-30-02
INSTALLED BY:	DTD
INSTALLATION METHOD:	HOLLOW STEM

WELL CONSTRUCTION DETAIL
BALDWIN PARK
AREA 36
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.	
CHKD: LW		
SCALE: N.T.S.		
DATE: 7-18-02	PROJ. NO: W99-E-186-2	DETAIL: 16



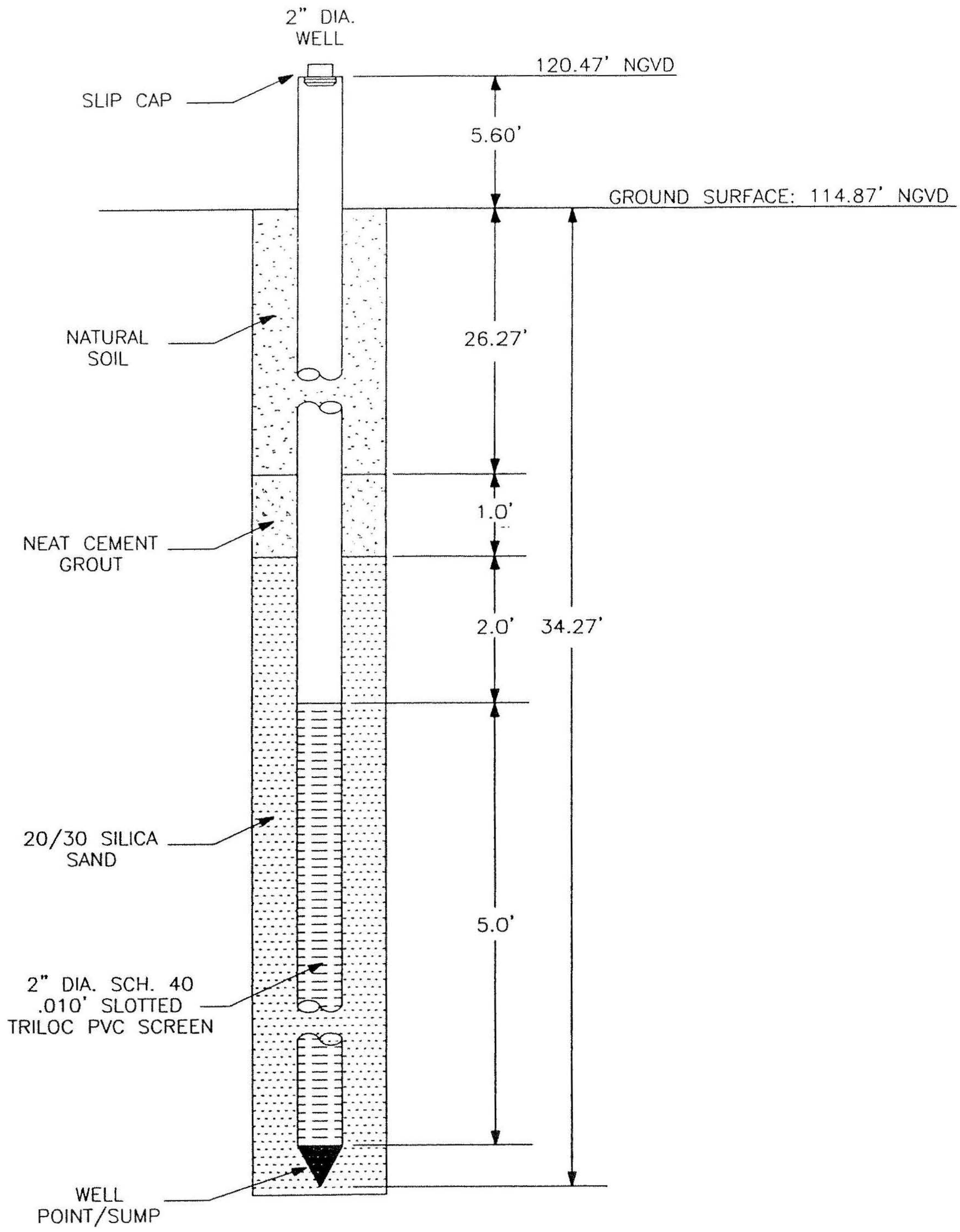
WELL No. OLD 36-33AR

INSTALLATION REPORT

INSTALLATION DATE:	4-30-02
INSTALLED BY:	DTD
INSTALLATION METHOD:	HOLLOW STEM

WELL CONSTRUCTION DETAIL
BALDWIN PARK
AREA 36
ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.	
CHKD: LW		
SCALE: N.T.S.		
DATE: 7-18-02	PROJ. NO: W99-E-186-2	DETAIL: 15



WELL No. OLD 36-35CR

INSTALLATION REPORT

INSTALLATION DATE:	4-29-02
INSTALLED BY:	DTD
INSTALLATION METHOD:	HOLLOW STEM

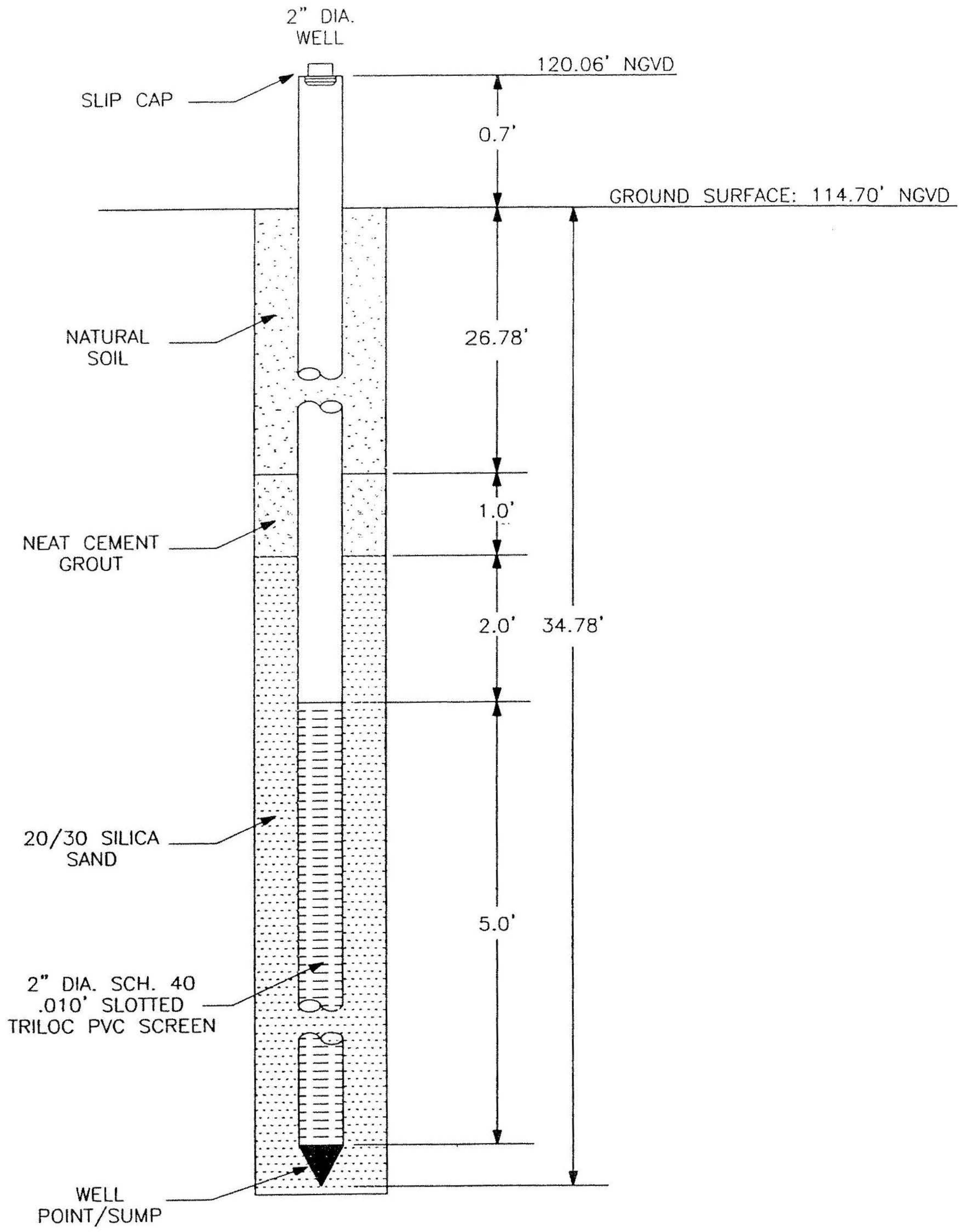
WELL CONSTRUCTION DETAIL

BALDWIN PARK

AREA 36

ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.	
CHKD: LW		
SCALE: N.T.S.		
DATE: 7-18-02	PROJ. NO: W99-E-186-2	DETAIL: 14



WELL No. OLD 36-36CR

INSTALLATION REPORT

INSTALLATION DATE:	4-30-02
INSTALLED BY:	DTD
INSTALLATION METHOD:	HOLLOW STEM

WELL CONSTRUCTION DETAIL

BALDWIN PARK

AREA 36

ORANGE COUNTY, FLORIDA

DRAWN: MG	NODARSE & ASSOCIATES, INC.	
CHKD: LW		
SCALE: N.T.S.		
DATE: 7-18-02	PROJ. NO: W99-E-186-2	DETAIL: 17

Survey Information

Naval Training Center
Study Area 36
Orlando, Florida

Bowyer-Singleton & Associates, Inc.
200 Business Park Circle, Suite 113, St. Augustine, FL 32095
Phone 904-940-9460 ext.103 / Fax 904-940-9493

Field Surveys May 15, 2008

Note: Horizontal Datum is NAD (North American Datum) 83 SPC FL. E. US feet
Vertical Datum is NAVD (North American Vertical Datum) 88

Description		North Coord.	East Coord.	Elevation		
				TOC	Top Of Enclosure	Ground
Survey Control Points:						
AK7130	NGS MONUMENT	1523378.56	543185.27	---	---	98.63
AK7129	NGS MONUMENT	1541920.20	539147.41	---	---	79.26
802	5/8" IRC "LB 1221 BSA TRAV"	537045.52	549446.52	---	---	114.31
801	5/8" IRC "LB 1221 BSA TRAV"	536887.39	544843.14	---	---	108.15
800	5/8" IRC "LB 1221 BSA TRAV"	536335.17	544865.93	---	---	111.71
803	5/8" IRC "LB 1221 BSA TRAV"	537923.97	549430.73	---	---	115.01
804	5/8" IRC "LB 1221 BSA TRAV"	541818.83	547952.00	---	---	119.37
805	5/8" IRC "LB 1221 BSA TRAV"	543145.12	547819.35	---	---	112.82
806	5/8" IRC "LB 1221 BSA TRAV"	539357.80	553782.11	---	---	94.27
807	5/8" IRC "LB 1221 BSA TRAV"	540062.10	554286.97	---	---	93.60
Monitor Wells						
OLD-36-01AR		1537944.62	549500.73	114.44	114.66	114.6
OLD-36-02AR		1537979.42	549528.55	113.55	113.83	113.9
OLD-36-07AR		1537896.19	549527.82	113.00	113.25	113.2
OLD-36-08BR		1537888.80	549525.21	113.01	113.23	113.2
OLD-36-09CR		1537885.06	549523.71	112.98	113.23	113.2
OLD-36-10BR		1537945.01	549505.94	114.11	114.45	114.5
OLD-36-11CR		1537949.16	549503.07	114.53	114.73	114.7
OLD-36-18CR		1537805.42	549485.68	112.64	112.88	112.9
OLD-36-19AR		1537910.23	549443.65	114.66	114.92	114.9
OLD-36-20BR		1537914.39	549443.89	114.62	114.91	114.9
OLD-36-22BR		1537983.76	549531.42	13.57	113.79	113.8
OLD-36-23CR		1537987.48	549534.16	113.62	113.81	113.8
OLD-36-24BR		1537828.83	549648.66	114.21	114.44	114.5
OLD-36-33AR		1537824.35	549646.70	114.21	114.25	114.5
OLD-36-35CR		1537881.52	549676.39	114.38	114.39	114.7
OLD-36-36CR		1537834.19	549650.97	114.23	114.45	114.5

Inspection Forms

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-01AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	10:24
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	17.80	Survey Northing	1,537,944.6200
Screen Interval (ft)	8-18	Survey Easting	549,500.7300
Well Diameter (in)	2	North (decimal degrees)	28.56410201
Well Material	PVC SCH 40	East (decimal degrees)	-81.33229782
Completion Type:	Flush Mount	TOC Elevation	114.44

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,properly attached	Replace Well Tag	Yes
Well Cover	bolts missing,damaged	Replace Well Cover	No
Well Cap	good	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

Bolts can't be fastened

SIGNATURE

KB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-02AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	12:25
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	17.10	Survey Northing	1,537,979.4200
Screen Interval (ft)	8-18	Survey Easting	549,528.5500
Well Diameter (in)	2	North (decimal degrees)	28.56419801
Well Material	PVC SCH 40	East (decimal degrees)	-81.33221152
Completion Type:	Flush Mount	TOC Elevation	113.55

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,properly attached	Replace Well Tag	Yes
Well Cover	damaged	Replace Well Cover	Yes
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

bolts cannot be tightened on to manhole casing

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-07AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	12:17
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	16.50	Survey Northing	1,537,896.1900
Screen Interval (ft)	7-17	Survey Easting	549,527.8200
Well Diameter (in)	2	North (decimal degrees)	28.56396896
Well Material	PVC SCH 40	East (decimal degrees)	-81.33221301
Completion Type:	Flush Mount	TOC Elevation	113

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-08BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	12:14
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	20.00	Survey Northing	1,537,888.8000
Screen Interval (ft)	15-20	Survey Easting	549,525.2100
Well Diameter (in)	2	North (decimal degrees)	28.56394873
Well Material	PVC SCH 40	East (decimal degrees)	-81.33222055
Completion Type:	Flush Mount	TOC Elevation	113.01

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-09CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	12:12
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	33.20	Survey Northing	1,537,885.0600
Screen Interval (ft)	29-34	Survey Easting	549,523.7100
Well Diameter (in)	2	North (decimal degrees)	28.56393813
Well Material	PVC SCH 40	East (decimal degrees)	-81.33222559
Completion Type:	Flush Mount	TOC Elevation	112.98

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-10BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	10:28
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	21.00	Survey Northing	1,537,945.0100
Screen Interval (ft)	16-21	Survey Easting	549,505.9400
Well Diameter (in)	2	North (decimal degrees)	28.5641029
Well Material	PVC SCH 40	East (decimal degrees)	-81.33228141
Completion Type:	Flush Mount	TOC Elevation	114.11

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,non-standard tag	Replace Well Tag	Yes
Well Cover	bolts missing	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-11CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	10:21
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	32.20	Survey Northing	1,537,949.1600
Screen Interval (ft)	27-32	Survey Easting	549,503.0700
Well Diameter (in)	2	North (decimal degrees)	28.5641146
Well Material	PVC SCH 40	East (decimal degrees)	-81.33229039
Completion Type:	Flush Mount	TOC Elevation	114.53

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,non-standard tag	Replace Well Tag	Yes
Well Cover	bolts missing	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

Bolts cannot be fastened to manhole casing

SIGNATURE

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TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-18CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	10:44
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	32.20	Survey Northing	1,537,805.4200
Screen Interval (ft)	26-31	Survey Easting	549,485.6800
Well Diameter (in)	2	North (decimal degrees)	28.56371933
Well Material	PVC SCH 40	East (decimal degrees)	-81.33234347
Completion Type:	Flush Mount	TOC Elevation	112.64

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed, well in sidewalk	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-19AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	11:02
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	17.20	Survey Northing	1,537,910.2300
Screen Interval (ft)	7.5-17.5	Survey Easting	549,443.6500
Well Diameter (in)	2	North (decimal degrees)	28.56400644
Well Material	PVC SCH 40	East (decimal degrees)	-81.33247516
Completion Type:	Flush Mount	TOC Elevation	114.66

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,properly attached	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

bolts cannot be fastened

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-20BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	11:05
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	22.70	Survey Northing	1,537,914.3900
Screen Interval (ft)	18-23	Survey Easting	549,443.8900
Well Diameter (in)	2	North (decimal degrees)	28.56401808
Well Material	PVC SCH 40	East (decimal degrees)	-81.33247454
Completion Type:	Flush Mount	TOC Elevation	114.62

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,properly attached	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

bolts cannot be fastened

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-22BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	10:09
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	21.30	Survey Northing	1,537,983.7600
Screen Interval (ft)	16.5-21.5	Survey Easting	549,531.4200
Well Diameter (in)	2	North (decimal degrees)	28.56420989
Well Material	PVC SCH 40	East (decimal degrees)	-81.33220274
Completion Type:	Flush Mount	TOC Elevation	113.57

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,properly attached	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-23CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	10:11
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	34.60	Survey Northing	1,537,987.4800
Screen Interval (ft)	30-35	Survey Easting	549,534.1600
Well Diameter (in)	2	North (decimal degrees)	28.56422025
Well Material	PVC SCH 40	East (decimal degrees)	-81.33219424
Completion Type:	Flush Mount	TOC Elevation	113.62

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,properly attached	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-24BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	11:20
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	22.50	Survey Northing	1,537,828.8300
Screen Interval (ft)	18-23	Survey Easting	549,648.6600
Well Diameter (in)	2	North (decimal degrees)	28.56378482
Well Material	PVC SCH 40	East (decimal degrees)	-81.33183545
Completion Type:	Flush Mount	TOC Elevation	114.21

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	missing	Replace Well Pad	Yes
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-33AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	11:22
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	16.60	Survey Northing	1,537,824.3500
Screen Interval (ft)	7-17	Survey Easting	549,646.7000
Well Diameter (in)	2	North (decimal degrees)	28.56377226
Well Material	PVC SCH 40	East (decimal degrees)	-81.33184149
Completion Type:	Flush Mount	TOC Elevation	114.21

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	missing	Replace Well Pad	Yes
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-35CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	12:33
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	34.60	Survey Northing	1,537,881.5200
Screen Interval (ft)	29-34	Survey Easting	549,676.3900
Well Diameter (in)	2	North (decimal degrees)	28.56392944
Well Material	PVC SCH 40	East (decimal degrees)	-81.3317507
Completion Type:	Flush Mount	TOC Elevation	114.38

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	missing	Replace Well Pad	Yes
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	non-bolting, does not fit on manhole	Replace Well Cover	Yes
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-36-36CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36	**Inspection Time**	11:17
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	30.50	Survey Northing	1,537,834.1900
Screen Interval (ft)	29-34	Survey Easting	549,650.9700
Well Diameter (in)	2	North (decimal degrees)	28.56379949
Well Material	PVC SCH 40	East (decimal degrees)	-81.33182846
Completion Type:	Flush Mount	TOC Elevation	114.23

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	missing	Replace Well Pad	Yes
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

Boring Logs

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NTC ORLANDO SA 36NW
PROJECT NUMBER: 112GN8752
DRILLING COMPANY: Environmental Drilling Services
DRILLING RIG: Hollow Stem Auger

BORING No.: 38C
DATE: 9/5/2003
GEOLOGIST: Gary Braganza
DRILLER: Chris Phelps

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							sand, brown to						
							dark grey, coarse						
							to medium grained,						
							poorly sorted						
	5									0	0	0	0
							sand, fine grained						
	10						brown to dark brown			0	0	0	0
							well sorted						
	15						silty sand, brown			0	0	0	0
							to dark brown,						
							med. to slight						
							plasticity						
	20									0	0	0	0
	25									0	0	0	0
							cemented sand,						
							hard pan						

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NTC ORLANDO SA 36NW
PROJECT NUMBER: 112GN8752
DRILLING COMPANY: Environmental Drilling Services
DRILLING RIG: Hollow Stem Auger

BORING No.: 38C
DATE: 9/5/2003
GEOLOGIST: Gary Braganza
DRILLER: Chris Phelps

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							reddish brown						
	30						well consolidated			0	0	0	0
							sandy clay						
							med. to well consolidated						
							grey-green						
							↓						
	35												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes X No Well I.D. #: MW-38C

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NTC ORLANDO SA 36NW
PROJECT NUMBER: 112GN8752
DRILLING COMPANY: Environmental Drilling Services
DRILLING RIG: Hollow Stem Auger

BORING No.: 39C
DATE: 9/8/2003
GEOLOGIST: Gary Braganza
DRILLER: Chris Phelps

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							sand, grey to						
							dark grey, coarse						
							to med. grained						
	5									0	0	0	0
							sand, med grained						
							brown, well sorted						
	10						sand, fine grained			0	0	0	0
							brown to dark brown						
							well sorted						
	15									0	0	0	0
							silty sand,						
							dark brown,						
							med. plasticity						
	20									0	0	0	0
	25									0	0	0	0
							cemented sand,						
							hard pan						

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NTC ORLANDO SA 36NW
PROJECT NUMBER: 112GN8752
DRILLING COMPANY: Environmental Drilling Services
DRILLING RIG: Hollow Stem Auger

BORING No.: 39C
DATE: 9/8/2003
GEOLOGIST: Gary Braganza
DRILLER: Chris Phelps

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							well consolidated						
	30						sandy clay			0	0	0	0
							well consolidated						
							grey brown, high						
							plasticity						
	35									0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes X No Well I.D. #: MW-39C

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NTC ORLANDO SA 36NW
PROJECT NUMBER: 112GN8752
DRILLING COMPANY: Environmental Drilling Services
DRILLING RIG: Hollow Stem Auger

BORING No.: 41C
DATE: 9/3/2003
GEOLOGIST: Gary Braganza
DRILLER: Chris Phelps

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	1						sand, brown to						
							dark brown, med. grained						
							well sorted						
	5									0	0	0	0
	7						sand, dark gray,						
							brown, coarse to med.						
							grained, angular						
	10						moderately sorted			0	0	0	0
	15									0	0	0	0
							sand and silt, dark						
							brown, well sorted						
	20									0	0	0	0
	25									0	0	0	0
							hard pan, cemented sand,						
							reddish brown						

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NTC ORLANDO SA 36NW
PROJECT NUMBER: 112GN8752
DRILLING COMPANY: Environmental Drilling Services
DRILLING RIG: Hollow Stem Auger

BORING No.: 41C
DATE: 9/3/2003
GEOLOGIST: Gary Braganza
DRILLER: Chris Phelps

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							↓						
	30						silty sand, dark			0	0	0	0
							brown, fine, well						
							sorted						
							↓						
	35												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes X No

Well I.D. #: MW-41C

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NTC ORLANDO SA 36NW
PROJECT NUMBER: 112GN8752
DRILLING COMPANY: Environmental Drilling Services
DRILLING RIG: Hollow Stem Auger

BORING No.: 42C
DATE: 9/4/2003
GEOLOGIST: Gary Braganza
DRILLER: Chris Phelps

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							sand, gray brown						
							coarse to med grained						
							poorly sorted						
	5									0	0	0	0
							sand, dark						
	10						brown, med to			0	0	0	0
							fine grained, well						
							sorted						
	15									0	0	0	0
							sand and silt, moist						
							clay, brown to						
							gray						
	20									0	0	0	0
	25									0	0	0	0
							cemented sand						
							hard pan, reddish						

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NTC ORLANDO SA 36NW
PROJECT NUMBER: 112GN8752
DRILLING COMPANY: Environmental Drilling Services
DRILLING RIG: Hollow Stem Auger

BORING No.: 42C
DATE: 9/4/2003
GEOLOGIST: Gary Braganza
DRILLER: Chris Phelps

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							brown						
	30						clays and silts, low						
							to med. plasticity						
	35												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes X No Well I.D. #: MW-42C

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NTC ORLANDO SA 36NW
PROJECT NUMBER: 112GN8752
DRILLING COMPANY: Environmental Drilling Services
DRILLING RIG: Hollow Stem Auger

BORING No.: 43C
DATE: 9/4/2003
GEOLOGIST: Gary Braganza
DRILLER: Chris Phelps

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							sand, gray to						
							dark gray, coarse						
							to med. grained						
							well sorted						
	5									0	0	0	0
							sand, fine to						
							med. grained, brown						
							to dark brown						
	10						well sorted			0	0	0	0
	15									0	0	0	0
							silty sand and						
							very fine sand						
							dark brown, slightly						
							plastic						
	20									0	0	0	0
	25									0	0	0	0
							silts and clay						
							gray brown to dark						
							green - moderate						

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NTC ORLANDO SA 36NW
PROJECT NUMBER: 112GN8752
DRILLING COMPANY: Environmental Drilling Services
DRILLING RIG: Hollow Stem Auger

BORING No.: 43C
DATE: 9/4/2003
GEOLOGIST: Gary Braganza
DRILLER: Chris Phelps

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							plasticity, med						
	30						consolidation			0	0	0	0
	35												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes X No Well I.D. #: MW-43C

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC ORLANDO SA 36NW	BORING No.:	44C
PROJECT NUMBER:	112GN8752	DATE:	9/6/2003
DRILLING COMPANY:	Environmental Drilling Services	GEOLOGIST:	Gary Braganza
DRILLING RIG:	Hollow Stem Auger	DRILLER:	Chris Phelps

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	PID/FID Reading (ppm): Sampler BZ	PID/FID Reading (ppm): Borehole**	PID/FID Reading (ppm): Driller BZ**
							sand, dark brown						
							to brown, med to						
							coarse grained						
	5									0	0	0	0
	10						sand, fine grained			0	0	0	0
							brown, well sorted						
	15									0	0	0	0
							silty sand, brown						
							to dark brown						
							low plasticity						
	20									0	0	0	0
	25									0	0	0	0
							cemented sand -						
							hard pan - reddish						

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NTC ORLANDO SA 36NW
PROJECT NUMBER: 112GN8752
DRILLING COMPANY: Environmental Drilling Services
DRILLING RIG: Hollow Stem Auger

BORING No.: 44C
DATE: 9/6/2003
GEOLOGIST: Gary Braganza
DRILLER: Chris Phelps

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							brown - well consolidated						
	30						clayey sand,			0	0	0	0
							gray - well consolidated						
							high plasticity						
							↓						
	35						↓			0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes X No Well I.D. #: MW-44C

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC ORLANDO SA 36NW	BORING No.:	47
PROJECT NUMBER:	112GN8752	DATE:	4/15/2005
DRILLING COMPANY:	Prosonic	GEOLOGIST:	Gary Braganza
DRILLING RIG:	Sonic	DRILLER:	Neil

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	PID/FID Reading (ppm): Sampler BZ	PID/FID Reading (ppm): Borehole**	PID/FID Reading (ppm): Driller BZ**
							asphalt and road base						
							coarse unsorted						
				3			sand, dark gray, med.						
							to coarse grained						
							pebbles and cobbles poorly						
							sorted						
							↓						
				10			cemented						
							sand, rust brown, well						
							consolidated, no secondaries						
							↓						
							↓						
				17			sandy clay, gray brown						
							well consolidated lense of						
							cemented sand, dry						
							↓						
							↓						
				25			silty sand, light brown						
							non-consolidated, no secondaries						
							well sorted						

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NTC ORLANDO SA 36NW
PROJECT NUMBER: 112GN8752
DRILLING COMPANY: Prosonic
DRILLING RIG: Sonic

BORING No.: 47
DATE: 4/15/2005
GEOLOGIST: Gary Braganza
DRILLER: Neil

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
				30			sand, fair to med.						
							grained, light brown,						
							angular to subangular,						
							poorly consolidated						
							↓						
				36									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks:

Converted to Well: Yes X No Well I.D. #: MW-47C

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME:	NTC ORLANDO SA 36NW	BORING No.:	48
PROJECT NUMBER:	112GN8752	DATE:	4/15/2005
DRILLING COMPANY:	Prosonic	GEOLOGIST:	Gary Braganza
DRILLING RIG:	Sonic	DRILLER:	Neil

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	PID/FID Reading (ppm): Sampler BZ	PID/FID Reading (ppm): Borehole**	PID/FID Reading (ppm): Driller BZ**
							asphalt and road base material						
							coarse, unsorted						
				3			sand, dark brown, med.						
							to coarse grained, sparse						
							organics, few pebbles						
							↓						
							↓						
							↓						
							↓						
				10			indurated cemented						
							sand, dark reddish brown						
							well consolidated						
							no secondaries						
							↓						
							↓						
							↓						
							↓						
							↓						
							↓						
							↓						
				22			↓						
							sand, light brown						
							fine grained, silty						
							well sorted						
							silty sand, light brown,						
							well sorted, non consolidated						
							angular to subangular						

BORING LOG

Tetra Tech NUS, Inc.

PROJECT NAME: NTC ORLANDO SA 36NW
PROJECT NUMBER: 112GN8752
DRILLING COMPANY: Prosonic
DRILLING RIG: Sonic

BORING No.: 48
DATE: 4/15/2005
GEOLOGIST: Gary Braganza
DRILLER: Neil

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
							sand						
				36									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0

Converted to Well: Yes X No Well I.D. #: MW-48C

Completion Logs

WELL NO. MW-38C

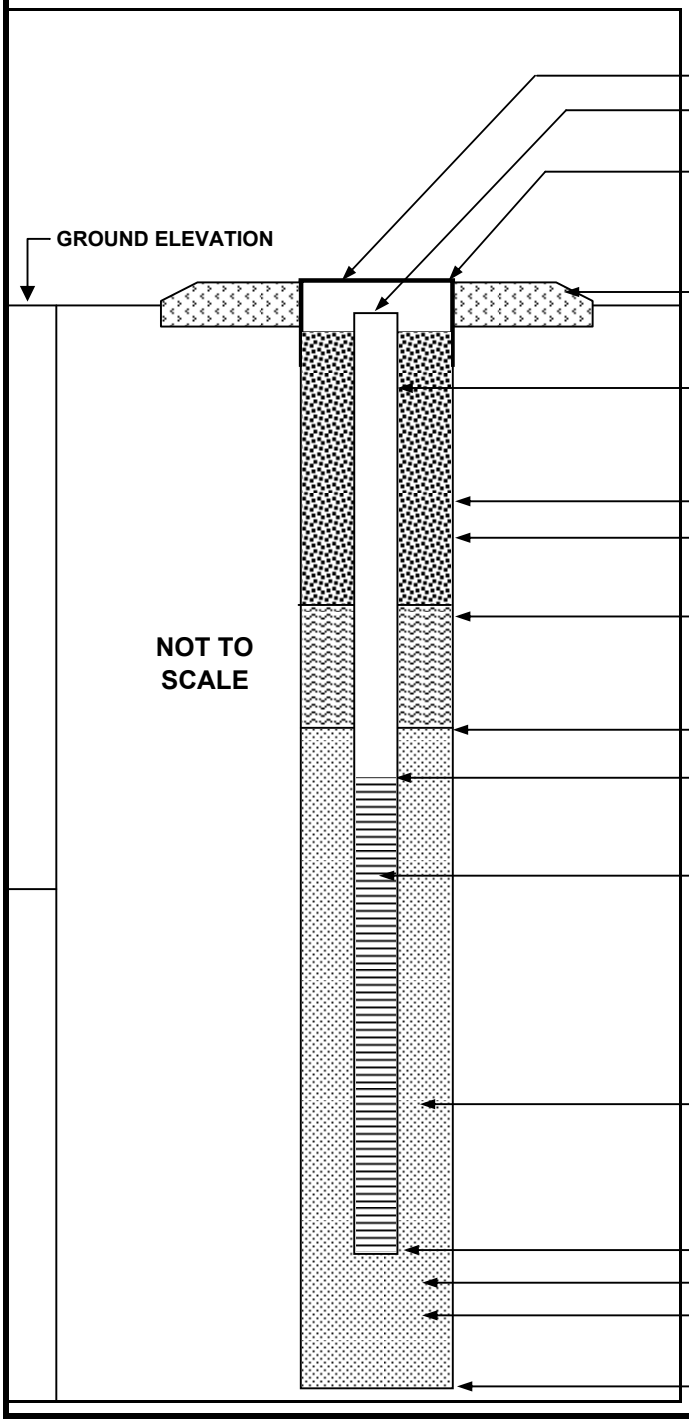
OVERBURDEN

MONITORING WELL SHEET

FLUSH - MOUNT

Tetra Tech NUS, Inc.

PROJECT	NTC Orlando	LOCATION	SA 36 NW	DRILLER	EDS
PROJECT NO.	N8752	BORING	38C	DRILLING	
ELEVATION	115.59	DATE	5-Sep-03	METHOD:	HSA
FIELD GEOLOGIST	Gary Braganza			DEVELOPMENT	submersible



ELEVATION OF TOP OF DRIVE-OVER BOX: _____

ELEVATION OF TOP OF RISER PIPE: _____

I.D. OF DRIVE-OVER BOX: 8-inch

TYPE OF SURFACE CASING: Steel Manhole

TYPE OF SURFACE SEAL: Portland cement

RISER PIPE I.D.: 2-inch

TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8-inch

TYPE OF SEAL: cement/grout mix (20:1)

ELEVATION / DEPTH OF SEAL: 28 feet

TYPE OF SEAL: 30/65 fine silica sand

DEPTH - TOP OF SAND PACK: 29 feet

ELEVATION / DEPTH - TOP OF SCREEN: 30 feet

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE X LENGTH: 0.006 X 5.0

I.D. OF SCREEN: 2-inch

TYPE OF SAND PACK: 30/45 silica sand

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 35.0

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 35.5

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 35.5

TYPE OF BACKFILL BELOW MONITORING WELL: 30/45

WELL NO. MW-39C

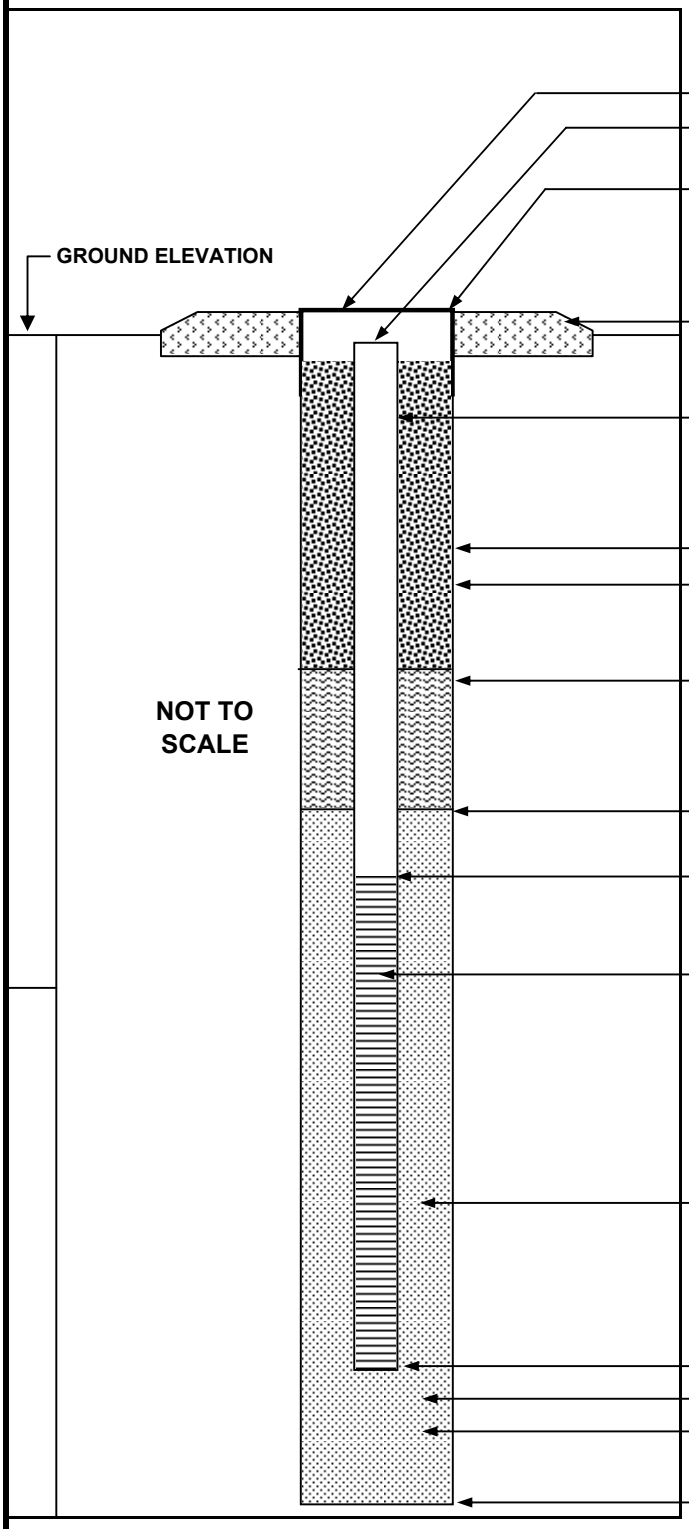
OVERBURDEN

MONITORING WELL SHEET

FLUSH - MOUNT

Tetra Tech NUS, Inc.

PROJECT	NTC Orlando	LOCATION	SA 36 NW	DRILLER	EDS
PROJECT NO.	N8752	BORING	39C	DRILLING	
ELEVATION	114.76	DATE	8-Sep-03	METHOD:	HSA
FIELD GEOLOGIST	Gary Braganza			DEVELOPMENT	submersible pump



ELEVATION OF TOP OF DRIVE-OVER BOX: _____

ELEVATION OF TOP OF RISER PIPE: _____

I.D. OF DRIVE-OVER BOX: 8-inch

TYPE OF SURFACE CASING: Steel Manhole

TYPE OF SURFACE SEAL: Portland cement

RISER PIPE I.D.: 2-inch

TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8-inch

TYPE OF SEAL: cement/grout mix (20:1)

ELEVATION / DEPTH OF SEAL: 28 feet

TYPE OF SEAL: 30/65 fine silica sand

DEPTH - TOP OF SAND PACK: 29 feet

ELEVATION / DEPTH - TOP OF SCREEN: 30 feet

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE X LENGTH: 0.006 X 5.0

I.D. OF SCREEN: 2-inch

TYPE OF SAND PACK: 30/45 silica sand

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 35.0

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 35.5

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 35.5

TYPE OF BACKFILL BELOW MONITORING WELL: 30/45

WELL NO. MW-41C

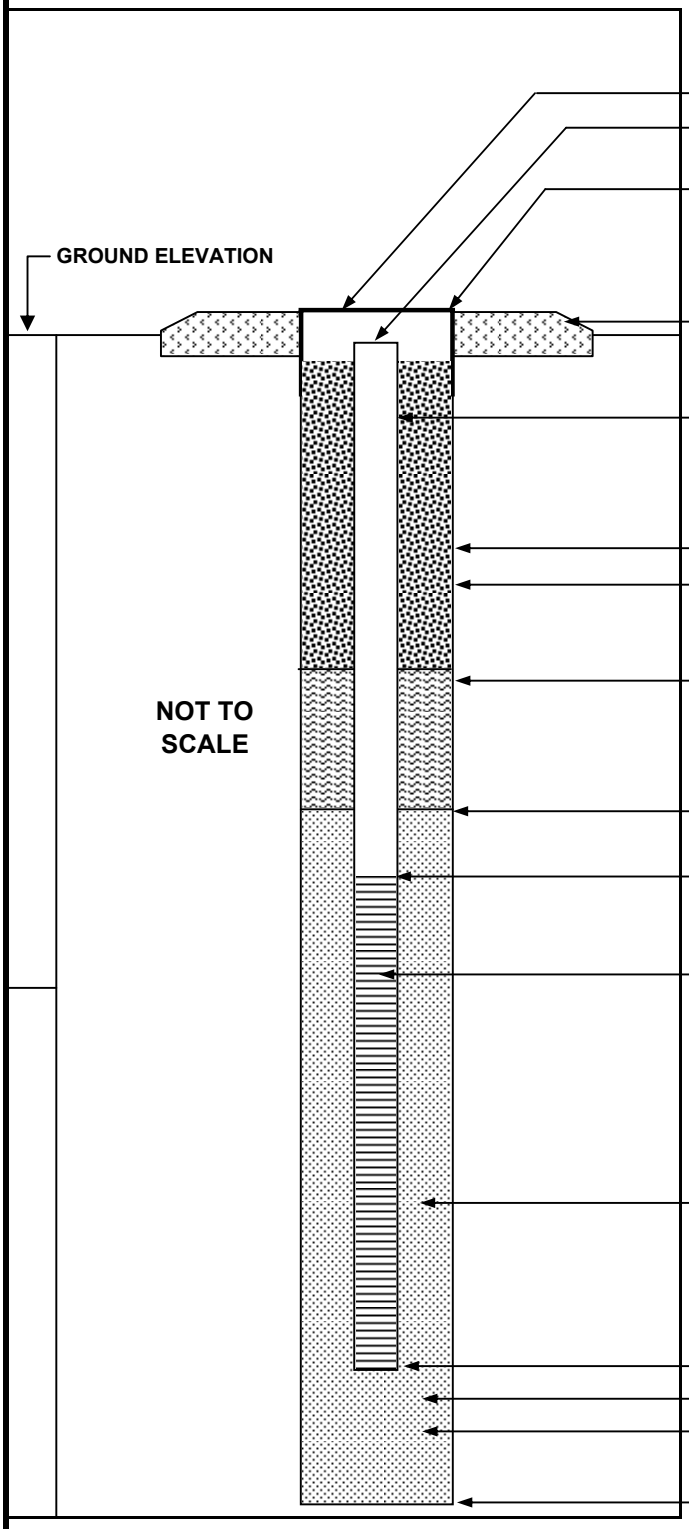
OVERBURDEN

MONITORING WELL SHEET

FLUSH - MOUNT

Tetra Tech NUS, Inc.

PROJECT	NTC Orlando	LOCATION	SA 36 NW	DRILLER	EDS
PROJECT NO.	N8752	BORING	41C	DRILLING	
ELEVATION	114.62	DATE	3-Sep-03	METHOD:	HSA
FIELD GEOLOGIST	Gary Braganza			DEVELOPMENT	submersible pump



ELEVATION OF TOP OF DRIVE-OVER BOX: _____

ELEVATION OF TOP OF RISER PIPE: _____

I.D. OF DRIVE-OVER BOX: 8-inch

TYPE OF SURFACE CASING: Steel Manhole

TYPE OF SURFACE SEAL: Portland cement

RISER PIPE I.D.: 2-inch

TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8-inch

TYPE OF SEAL: cement/grout mix (20:1)

ELEVATION / DEPTH OF SEAL: 28 feet

TYPE OF SEAL: 30/65 fine silica sand

DEPTH - TOP OF SAND PACK: 29 feet

ELEVATION / DEPTH - TOP OF SCREEN: 30 feet

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE X LENGTH: 0.006 X 5.0

I.D. OF SCREEN: 2-inch

TYPE OF SAND PACK: 30/45 silica sand

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 35.0

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 35.5

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 35.5

TYPE OF BACKFILL BELOW MONITORING WELL: 30/45

WELL NO. MW-42C

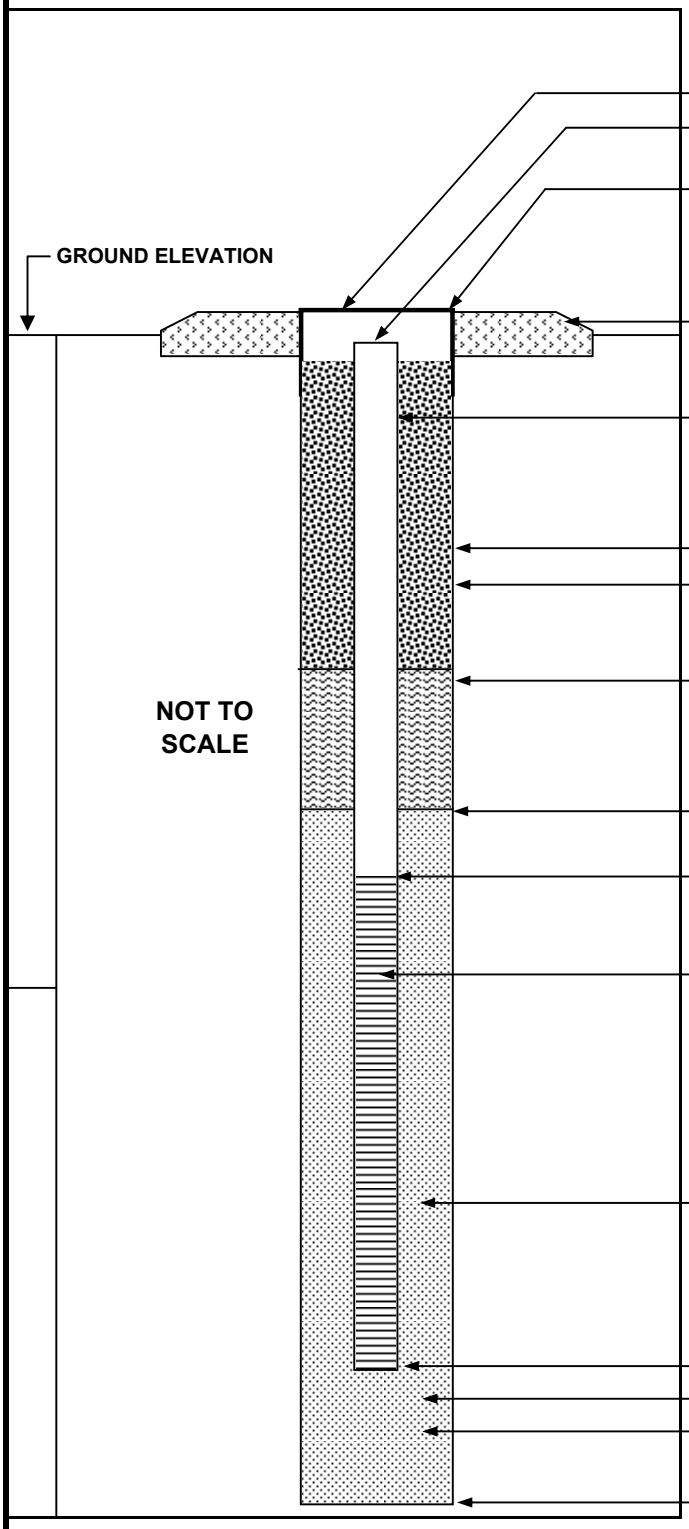
OVERBURDEN

MONITORING WELL SHEET

FLUSH - MOUNT

Tetra Tech NUS, Inc.

PROJECT	NTC Orlando	LOCATION	SA 36 NW	DRILLER	EDS
PROJECT NO.	N8752	BORING	42C	DRILLING	
ELEVATION	113.08	DATE	3-Sep-03	METHOD:	HSA
FIELD GEOLOGIST	Gary Braganza			DEVELOPMENT	submersible pump



ELEVATION OF TOP OF DRIVE-OVER BOX: _____

ELEVATION OF TOP OF RISER PIPE: _____

I.D. OF DRIVE-OVER BOX: 8-inch

TYPE OF SURFACE CASING: Steel Manhole

TYPE OF SURFACE SEAL: Portland cement

RISER PIPE I.D.: 2-inch

TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8-inch

TYPE OF SEAL: cement/grout mix (20:1)

ELEVATION / DEPTH OF SEAL: 28 feet

TYPE OF SEAL: 30/65 fine silica sand

DEPTH - TOP OF SAND PACK: 29 feet

ELEVATION / DEPTH - TOP OF SCREEN: 30 feet

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE X LENGTH: 0.006 X 5.0

I.D. OF SCREEN: 2-inch

TYPE OF SAND PACK: 30/45 silica sand

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 35.0

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 35.5

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 35.5

TYPE OF BACKFILL BELOW MONITORING WELL: 30/45

WELL NO. MW-43C

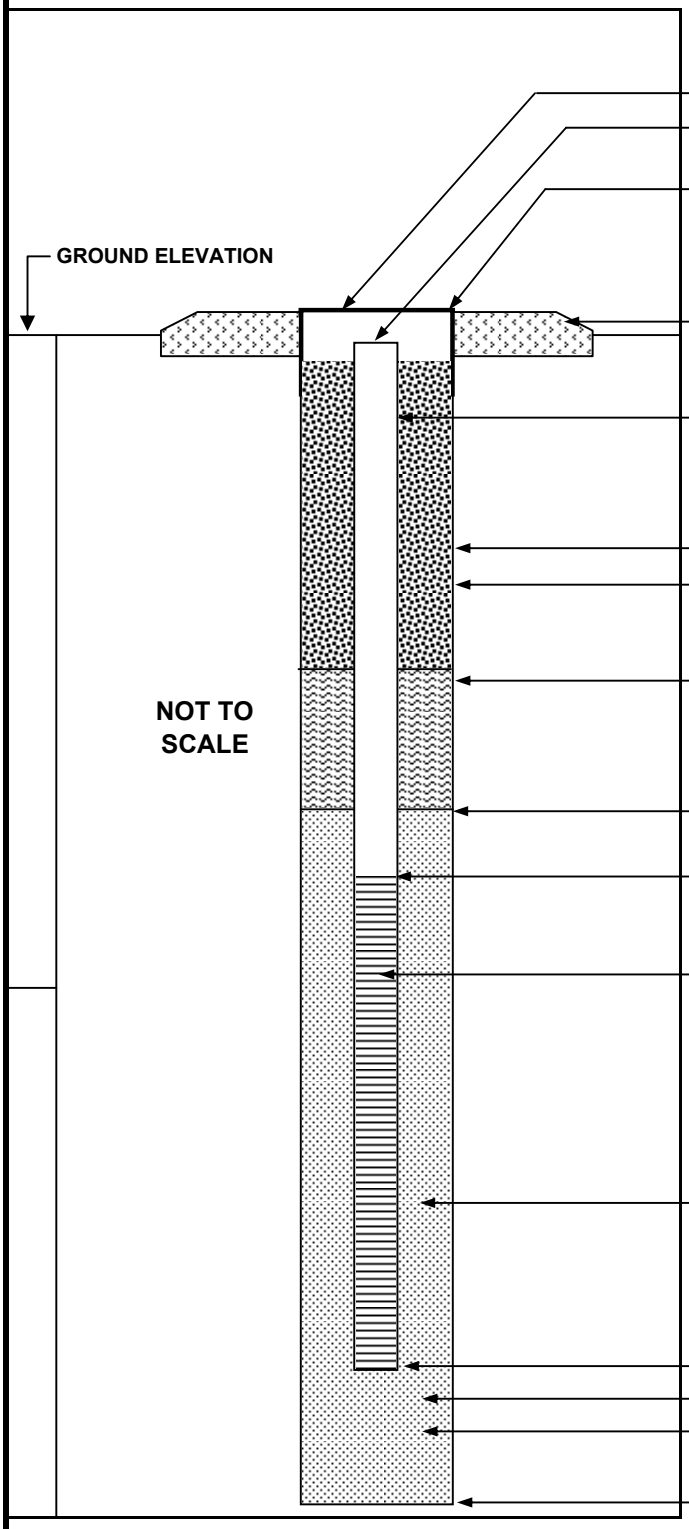
OVERBURDEN

MONITORING WELL SHEET

FLUSH - MOUNT

Tetra Tech NUS, Inc.

PROJECT	NTC Orlando	LOCATION	SA 36 NW	DRILLER	EDS
PROJECT NO.	N8752	BORING	43C	DRILLING	
ELEVATION	113.35	DATE	4-Sep-03	METHOD:	HSA
FIELD GEOLOGIST	Gary Braganza			DEVELOPMENT	submersible pump



ELEVATION OF TOP OF DRIVE-OVER BOX: _____

ELEVATION OF TOP OF RISER PIPE: _____

I.D. OF DRIVE-OVER BOX: 8-inch

TYPE OF SURFACE CASING: Steel Manhole

TYPE OF SURFACE SEAL: Portland cement

RISER PIPE I.D.: 2-inch

TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8-inch

TYPE OF SEAL: cement/grout mix (20:1)

ELEVATION / DEPTH OF SEAL: 28 feet

TYPE OF SEAL: 30/65 fine silica sand

DEPTH - TOP OF SAND PACK: 29 feet

ELEVATION / DEPTH - TOP OF SCREEN: 30 feet

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE X LENGTH: 0.006 X 5.0

I.D. OF SCREEN: 2-inch

TYPE OF SAND PACK: 30/45 silica sand

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 35.0

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 35.5

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 35.5

TYPE OF BACKFILL BELOW MONITORING WELL: 30/45

WELL NO. MW-44C

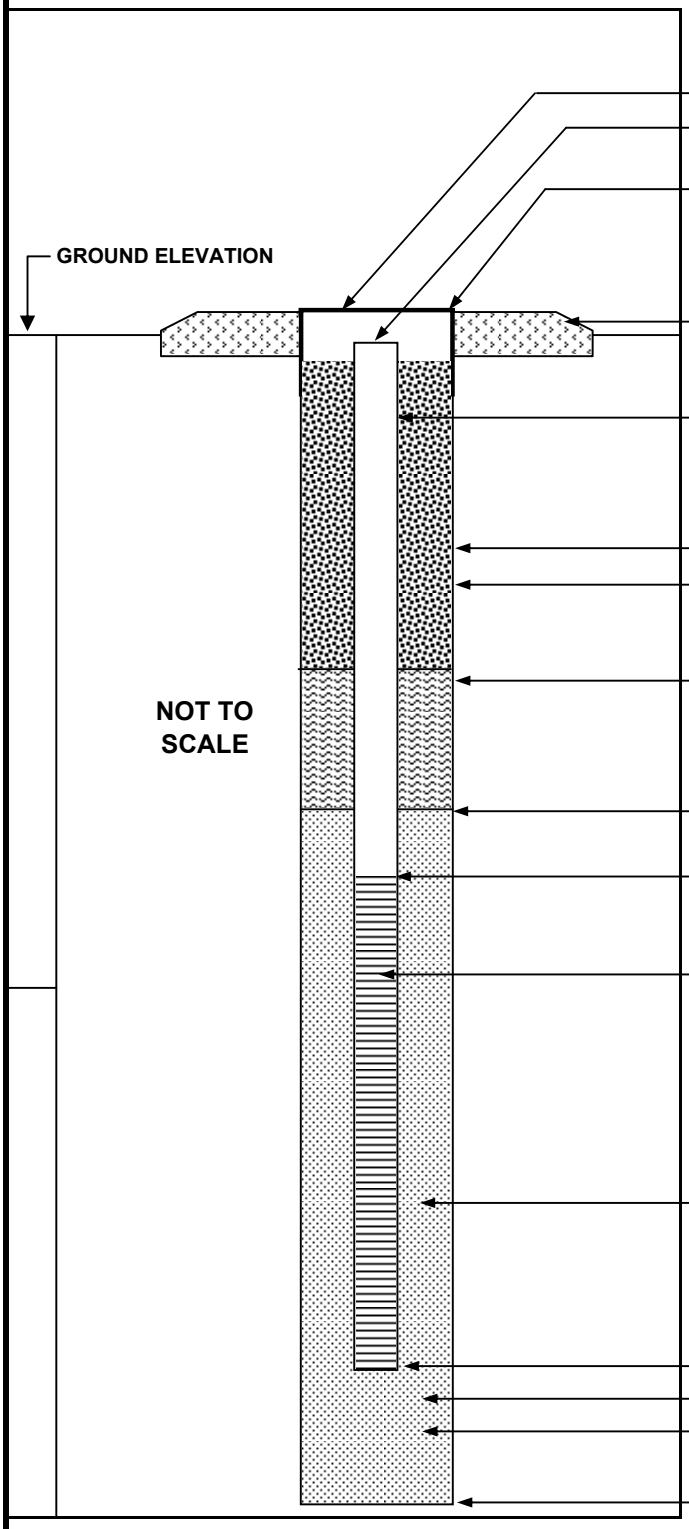
OVERBURDEN

MONITORING WELL SHEET

FLUSH - MOUNT

Tetra Tech NUS, Inc.

PROJECT	NTC Orlando	LOCATION	SA 36 NW	DRILLER	EDS
PROJECT NO.	N8752	BORING	44C	DRILLING	
ELEVATION	114.65	DATE	5-Sep-03	METHOD:	HSA
FIELD GEOLOGIST	Gary Braganza			DEVELOPMENT	submersible pump



ELEVATION OF TOP OF DRIVE-OVER BOX: _____

ELEVATION OF TOP OF RISER PIPE: _____

I.D. OF DRIVE-OVER BOX: 8-inch

TYPE OF SURFACE CASING: Steel Manhole

TYPE OF SURFACE SEAL: Portland cement

RISER PIPE I.D.: 2-inch

TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8-inch

TYPE OF SEAL: cement/grout mix (20:1)

ELEVATION / DEPTH OF SEAL: 28 feet

TYPE OF SEAL: 30/65 fine silica sand

DEPTH - TOP OF SAND PACK: 29 feet

ELEVATION / DEPTH - TOP OF SCREEN: 30 feet

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE X LENGTH: 0.006 X 5.0

I.D. OF SCREEN: 2-inch

TYPE OF SAND PACK: 30/45 silica sand

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 35.0

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 35.5

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 35.5

TYPE OF BACKFILL BELOW MONITORING WELL: 30/45

WELL NO. MW-45C

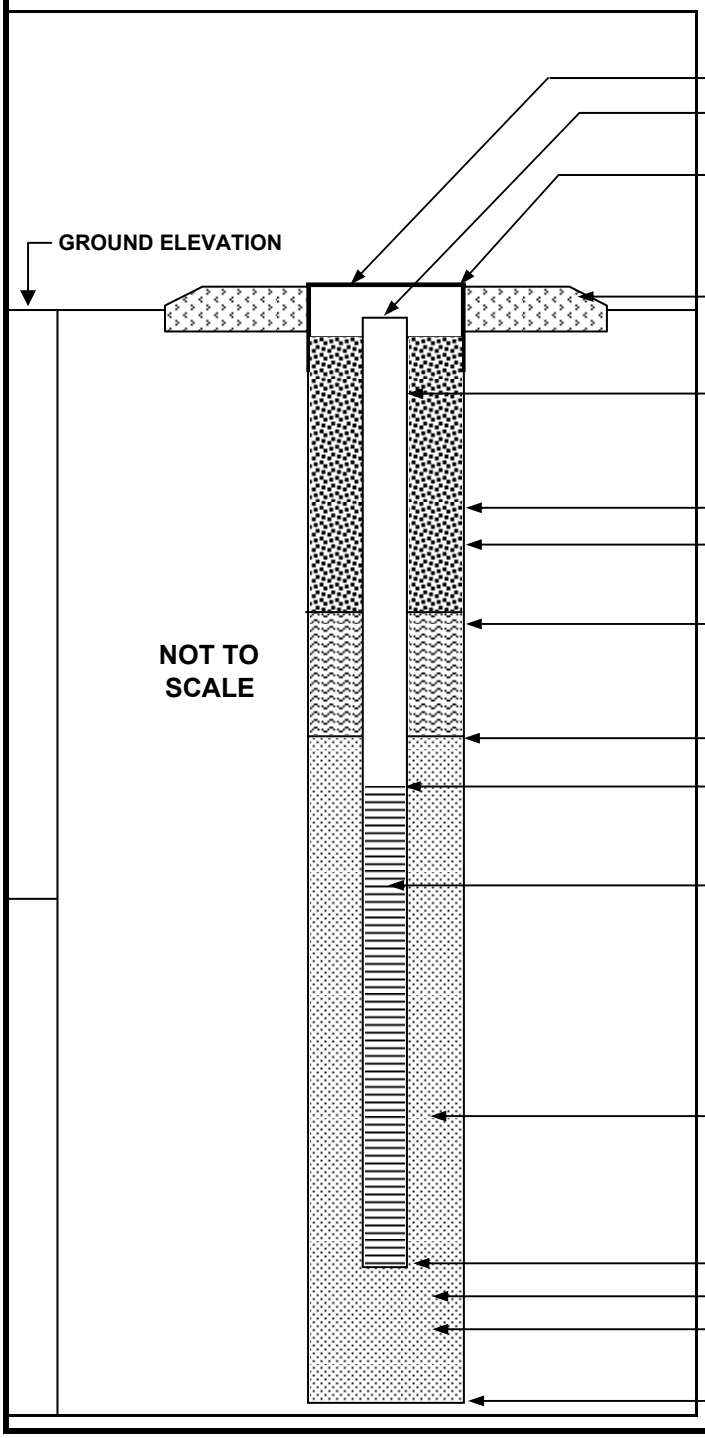
OVERBURDEN

MONITORING WELL SHEET

FLUSH - MOUNT

Tetra Tech NUS, Inc.

PROJECT	NTC ORLANDO	LOCATION	SA 36NW	DRILLER	Prosonic
PROJECT NO.	N8752	BORING	45C	DRILLING	
ELEVATION	112.28	DATE	24-Aug-04	METHOD:	sonic
FIELD GEOLOGIST	Gary Braganza			DEVELOPMENT	sumbersible pump



ELEVATION OF TOP OF DRIVE-OVER BOX: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

I.D. OF DRIVE-OVER BOX: 8-inch

TYPE OF SURFACE CASING: steel manhole

TYPE OF SURFACE SEAL: Portland cement

RISER PIPE I.D.: **2-inch**

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8-inch

TYPE OF SEAL: bentonite/grout mix

ELEVATION / DEPTH OF SEAL: 27 feet

TYPE OF SEAL: bentonite pellets

DEPTH - TOP OF SAND PACK: 29 feet

ELEVATION / DEPTH - TOP OF SCREEN: 30 feet

TYPE OF SCREEN: PVC

SLOT SIZE X LENGTH: 0.006 x 5 feet

I.D. OF SCREEN: 2-inch

TYPE OF SAND PACK: 30/65 silica sand

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 35.0

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 35.5

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 35.5

TYPE OF BACKFILL BELOW MONITORING WELL:

WELL NO. MW-46D

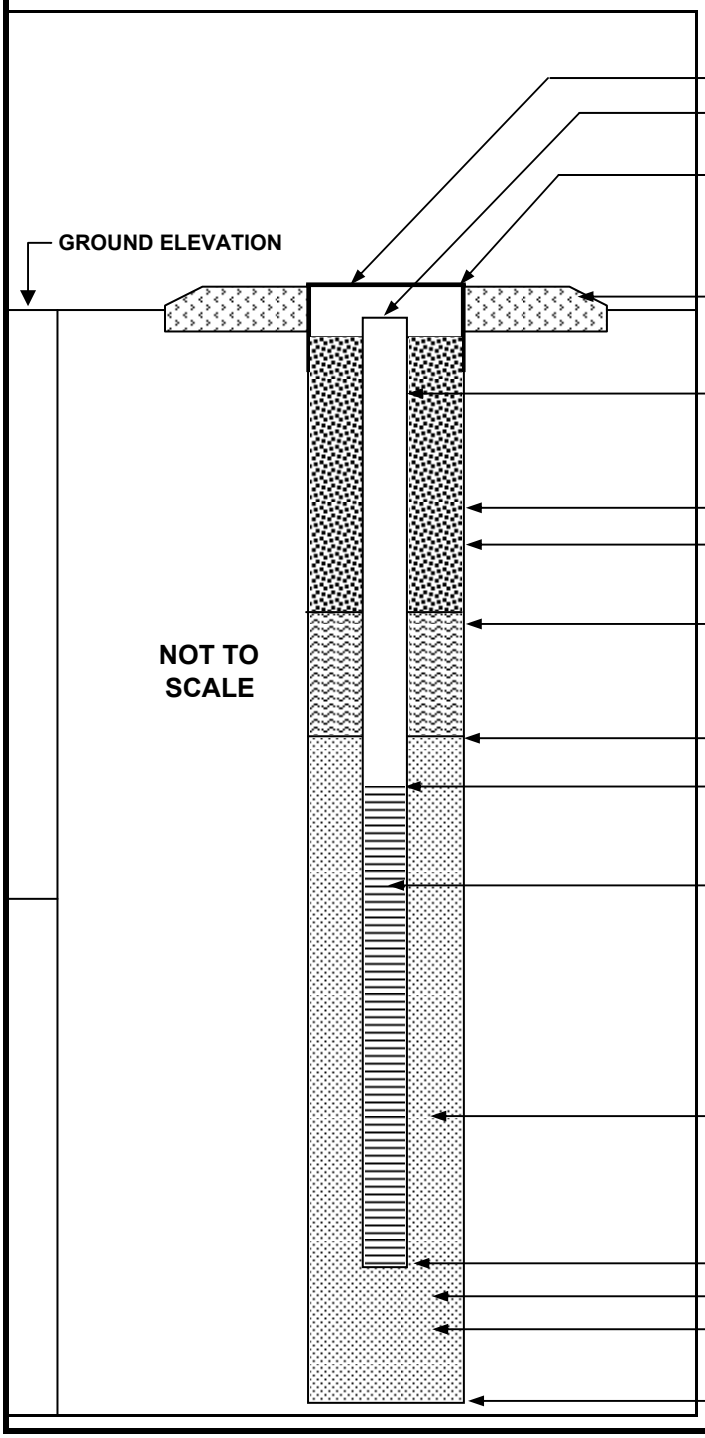
OVERBURDEN

MONITORING WELL SHEET

FLUSH - MOUNT

Tetra Tech NUS, Inc.

PROJECT	NTC ORLANDO	LOCATION	SA 36NW	DRILLER	Prosonic
PROJECT NO.	N8752	BORING	46D	DRILLING	
ELEVATION	114.62	DATE	24-Aug-04	METHOD:	sonic
FIELD GEOLOGIST	Gary Braganza			DEVELOPMENT	Submersible pump



ELEVATION OF TOP OF DRIVE-OVER BOX: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

I.D. OF DRIVE-OVER BOX: 8-inch

TYPE OF SURFACE CASING: steel manhole

TYPE OF SURFACE SEAL: Portland cement

RISER PIPE I.D.: **2-inch**

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8-inch

TYPE OF SEAL: bentonite/grout mix

ELEVATION / DEPTH OF SEAL: 52 feet

TYPE OF SEAL: bentonite pellets

DEPTH - TOP OF SAND PACK: 54 feet

ELEVATION / DEPTH - TOP OF SCREEN: 55 feet

TYPE OF SCREEN: PVC

SLOT SIZE X LENGTH: 0.006 x 5 feet

I.D. OF SCREEN: 2-inch

TYPE OF SAND PACK: 30/65 silica sand

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 60

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 60.5

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 60.5

TYPE OF BACKFILL BELOW MONITORING WELL:

WELL NO. MW-47C

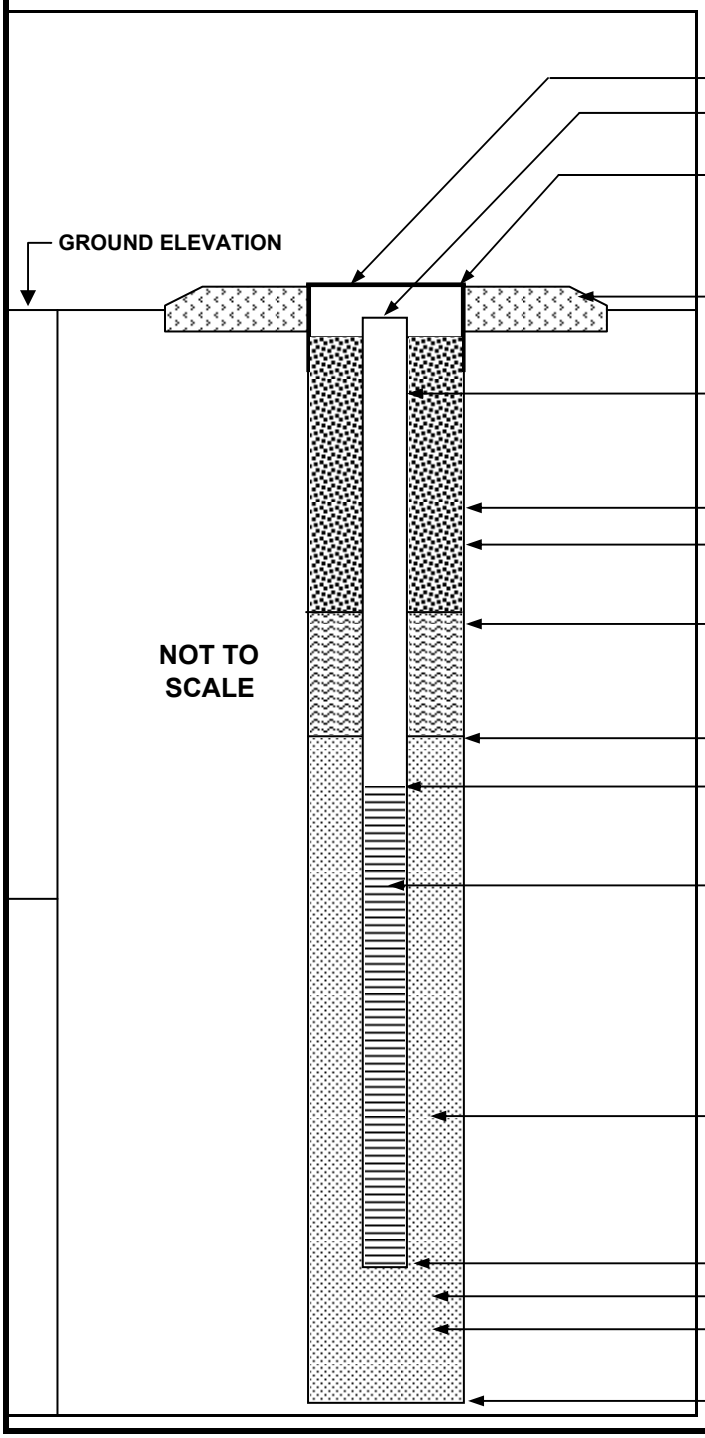
OVERBURDEN

MONITORING WELL SHEET

FLUSH - MOUNT

Tetra Tech NUS, Inc.

PROJECT	NTC ORLANDO	LOCATION	SA 36NW	DRILLER	Prosonic
PROJECT NO.	N8752	BORING	47C	DRILLING	
ELEVATION	111.88	DATE	15-Apr-05	METHOD:	sonic
FIELD GEOLOGIST	Gary Braganza			DEVELOPMENT	sumbersible pump



ELEVATION OF TOP OF DRIVE-OVER BOX: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

I.D. OF DRIVE-OVER BOX: 8-inch

TYPE OF SURFACE CASING: steel manhole

TYPE OF SURFACE SEAL: Portland cement

RISER PIPE I.D.: **2-inch**

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8-inch

TYPE OF SEAL: bentonite/grout mix

ELEVATION / DEPTH OF SEAL: 28 feet

TYPE OF SEAL: bentonite pellets

DEPTH - TOP OF SAND PACK: 29 feet

ELEVATION / DEPTH - TOP OF SCREEN: 31 feet

TYPE OF SCREEN: PVC

SLOT SIZE X LENGTH: 0.006 x 5 feet

I.D. OF SCREEN: 2-inch

TYPE OF SAND PACK: 30/45 silica sand

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 36.0

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 36.5

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 36.5

TYPE OF BACKFILL BELOW MONITORING WELL: 30/45

WELL NO. MW-48C

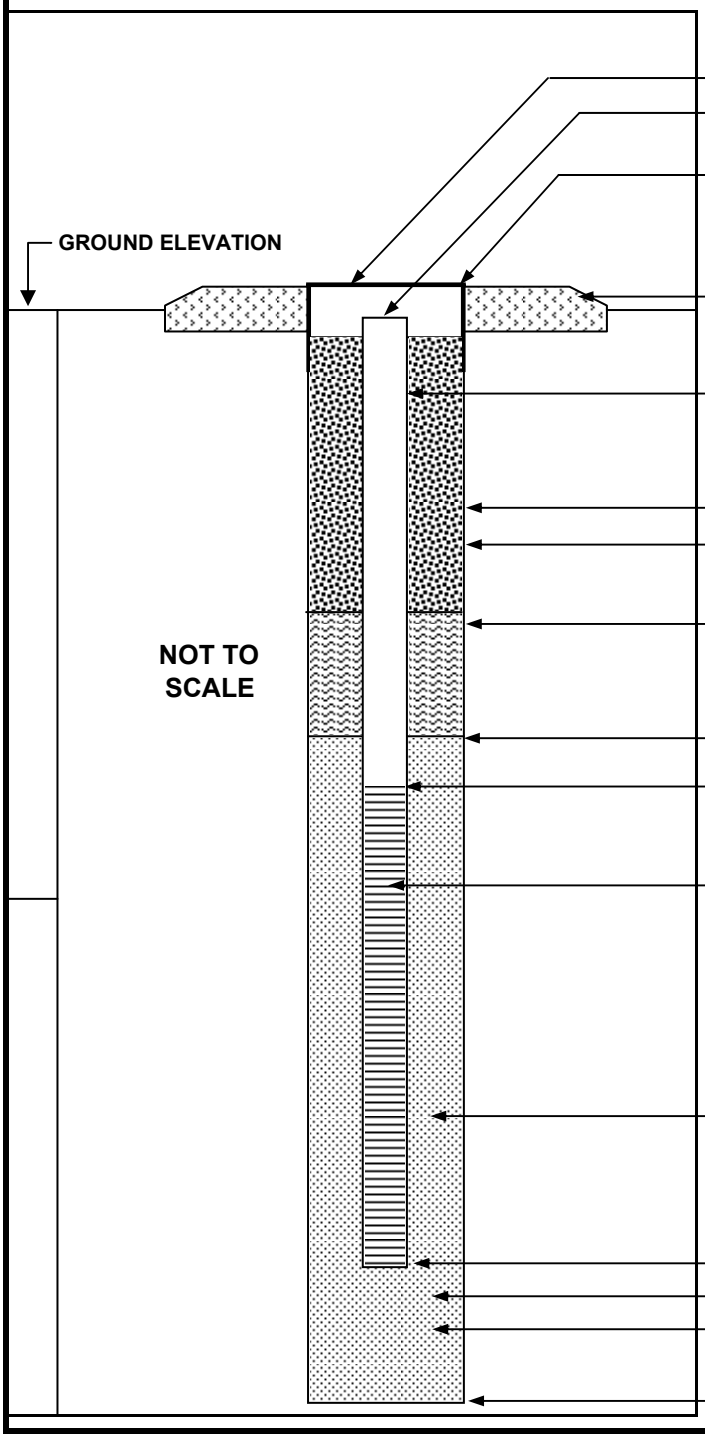
OVERBURDEN

MONITORING WELL SHEET

FLUSH - MOUNT

Tetra Tech NUS, Inc.

PROJECT	NTC ORLANDO	LOCATION	SA 36NW	DRILLER	Prosonic
PROJECT NO.	N8752	BORING	48C	DRILLING	
ELEVATION	113.52	DATE	15-Apr-05	METHOD:	sonic
FIELD GEOLOGIST	Gary Braganza			DEVELOPMENT	sumbersible pump



ELEVATION OF TOP OF DRIVE-OVER BOX: N/A

ELEVATION OF TOP OF RISER PIPE: N/A

I.D. OF DRIVE-OVER BOX: 8-inch

TYPE OF SURFACE CASING: steel manhole

TYPE OF SURFACE SEAL: Portland cement

RISER PIPE I.D.: **2-inch**

TYPE OF RISER PIPE: PVC

BOREHOLE DIAMETER: 8-inch

TYPE OF SEAL: bentonite/grout mix

ELEVATION / DEPTH OF SEAL: 28 feet

TYPE OF SEAL: bentonite pellets

DEPTH - TOP OF SAND PACK: 29 feet

ELEVATION / DEPTH - TOP OF SCREEN: 31 feet

TYPE OF SCREEN: PVC

SLOT SIZE X LENGTH: 0.006 x 5 feet

I.D. OF SCREEN: 2-inch

TYPE OF SAND PACK: 30/45 silica sand

ELEVATION / DEPTH TO BOTTOM OF SCREEN: 36.0

ELEVATION / DEPTH TO BOTTOM OF SAND PACK: 36.5

ELEVATION / DEPTH TO BOTTOM OF BOREHOLE: 36.5

TYPE OF BACKFILL BELOW MONITORING WELL: sand 30/45

Survey Information

ORLANDO NAVAL TRAINING CENTER
SITE SA-36 NW
NEW MONITOR WELLS

Project No. 177311.99.22.01.01
Field Surveys Dec. 02, 2003

Note: Horizontal Datum is NAD (North American Datum) 83 (1990) SPC Fl. E. US Survey Ft..
Vertical datum is NAVD (National Geodetic Vertical Datum) 1929.

Description	North Coord.	East Coord.	-----Elevation------ TOC	F/M Rim
Survey Control Points:				
502 (Re Bar & Cap)	1537916.522	549477.689	-------	115.38
503 (Chiseled "X" in Curb)	1537635.986	549402.374	-------	113.06
510 (PK & Washer in Street)	1537958.623	549249.994	-------	116.203
Monitor Wells:				
6380 **(MW-38C)**	1538002.58	549256.67	115.59	115.89
6390 **(MW-39C) [Not Complete]**	1538128.53	549333.25	114.765	------
6400 **(MW-40D)**	1538014.69	549423.36	115.185	115.40
6410 **(MW-41C)**	1538027.58	549420.83	114.62	114.82
6420 **(MW-42C)**	1538131.51	549549.84	113.085	113.475
6430 **(MW-43C)**	1538065.70	549591.51	113.35	113.61
6440 **(MW-44C)**	1537939.02	549717.50	114.65	115.055

Note: MW-39C is within a sidewalk area that is not complete. The inner casing appears to be cut off at the proper height, but there was no cap on the well and there has been a considerable amount of dirt in the well casing.

ORLANDO NAVAL TRAINING CENTER
SITE SA-36 NW
NEW MONITOR WELLS

Project No. 277311.99.22.01.01
Field Surveys Nov. 01, 2004

Note: Horizontal Datum is NAD (North American Datum) 83 SPC Fl. E. US Survey Ft..
Vertical Datum is NGVD (National Geodetic Vertical Datum) 1929.

Description	North Coord.	East Coord.	---------Elevation---------- TOC	F/M Rim	Asphalt (*)Svy. Pt.
1 (Nail & Washer)	1538156.587	549677.718	------	------	(*)113.655
502 (Re Bar & Cap)	1537916.522)	549477.689	------	------	(*)115.38
Monitor wells:					
6450 **(MW-45C)**	1538206.46	549755.77	112.28	112.53	112.50
6460 **(MW-46D)**	1538003.49	549411.12	114.62	114.98	114.96

ORLANDO NAVAL TRAINING CENTER
SITE SA-36 NW
NEW MONITOR WELLS

Project No. 327012.RA.02.08
Field Surveys May 11, 2005

Note: Horizontal Datum is NAD (North American Datum) 83 (1990) SPC Fl. E. US Survey Ft..
Vertical Datum is NGVD (National Geodetic Vertical Datum) 1929.

			----------Elevation---------		
Description	**North Coord.**	**East Coord.**	**TOC**	**F/M Rim**	**Asphalt (*) Survey Pt.**
Survey Control Points:					
1 (Nail & Washer)	1538156.587	549677.718	------	------	(*)113.655
502 (Re Bar & Cap)	1537916.522	549477.689	------	------	(*)115.38
511 (Chiseled "X")	1537976.385	549952.697	------	------	(*)113.177
Monitor Wells:					
6470 **(MW-47C)**	1538097.61	549789.76	111.88	112.33	112.30
6480 **(MW-48C)**	1538031.24	550038.14	113.52	113.75	113.68

Inspection Forms

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	MW-38C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36NW	**Inspection Time**	17:19
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	35.50	Survey Northing	1,538,002.5800
Screen Interval (ft)	30-35	Survey Easting	549,256.6700
Well Diameter (in)	2	North (decimal degrees)	28.56425972
Well Material	PVC SCH 40	East (decimal degrees)	-81.33305876
Completion Type:	Flush Mount	TOC Elevation	115.59

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	damaged, eroded	Replace Well Pad	Yes
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	MW-39C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36NW	**Inspection Time**	17:17
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	35.50	Survey Northing	1,538,128.5300
Screen Interval (ft)	30-35	Survey Easting	549,333.2500
Well Diameter (in)	2	North (decimal degrees)	28.56460671
Well Material	PVC SCH 40	East (decimal degrees)	-81.33282128
Completion Type:	Flush Mount	TOC Elevation	114.765

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Good - key works,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	MW-41C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36NW	**Inspection Time**	17:00
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	35.50	Survey Northing	1,538,027.5800
Screen Interval (ft)	30-35	Survey Easting	549,420.8300
Well Diameter (in)	2	North (decimal degrees)	28.56432973
Well Material	PVC SCH 40	East (decimal degrees)	-81.33254758
Completion Type:	Flush Mount	TOC Elevation	114.62

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	properly attached,standard tag	Replace Well Tag	No
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	MW-42C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36NW	**Inspection Time**	15:51
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	35.50	Survey Northing	1,538,131.5100
Screen Interval (ft)	30-35	Survey Easting	549,549.8400
Well Diameter (in)	2	North (decimal degrees)	28.56461655
Well Material	PVC SCH 40	East (decimal degrees)	-81.33214657
Completion Type:	Flush Mount	TOC Elevation	113.085

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,non-standard tag	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	damaged,non-locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

Standard tag in well vault

SIGNATURE

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TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	MW-43C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36NW	**Inspection Time**	15:55
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	35.50	Survey Northing	1,538,065.7000
Screen Interval (ft)	30-35	Survey Easting	549,591.5100
Well Diameter (in)	2	North (decimal degrees)	28.56443587
Well Material	PVC SCH 40	East (decimal degrees)	-81.33201619
Completion Type:	Flush Mount	TOC Elevation	113.35

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,non-standard tag	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	MW-44C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36NW	**Inspection Time**	16:45
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	35.50	Survey Northing	1,537,939.0200
Screen Interval (ft)	30-35	Survey Easting	549,717.5000
Well Diameter (in)	2	North (decimal degrees)	28.56408842
Well Material	PVC SCH 40	East (decimal degrees)	-81.3316226
Completion Type:	Flush Mount	TOC Elevation	114.65

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	MW-45C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36NW	**Inspection Time**	16:02
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	35.00	Survey Northing	1,538,206.4600
Screen Interval (ft)	30-35	Survey Easting	549,755.7700
Well Diameter (in)	2	North (decimal degrees)	28.56482426
Well Material	PVC SCH 40	East (decimal degrees)	-81.33150569
Completion Type:	Flush Mount	TOC Elevation	112.28

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	MW-46D / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36NW	**Inspection Time**	17:02
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	60.00	Survey Northing	1,538,003.4900
Screen Interval (ft)	55-60	Survey Easting	549,411.1200
Well Diameter (in)	2	North (decimal degrees)	28.5642634
Well Material	PVC SCH 40	East (decimal degrees)	-81.33257762
Completion Type:	Flush Mount	TOC Elevation	114.62

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Damaged,Other	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	MW-47C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36NW	**Inspection Time**	16:14
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	36.50	Survey Northing	1,538,097.6100
Screen Interval (ft)	31-36	Survey Easting	549,789.7600
Well Diameter (in)	0	North (decimal degrees)	28.56452515
Well Material	PVC SCH 40	East (decimal degrees)	-81.33139886
Completion Type:	Flush Mount	TOC Elevation	111.8

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	damaged,visible evidence of ponding	Replace Well Pad	Yes
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	MW-48C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/12/2007
Site Name	Study Area 36NW	**Inspection Time**	16:16
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	36.50	Survey Northing	1,538,031.2400
Screen Interval (ft)	31-36	Survey Easting	550,038.1400
Well Diameter (in)	2	North (decimal degrees)	28.56434449
Well Material	PVC SCH 40	East (decimal degrees)	-81.33062451
Completion Type:	Flush Mount	TOC Elevation	113.52

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	damaged, cracked	Replace Well Pad	Yes
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

Boring Logs

PROJECT NUMBER	BORING NUMBER	
1 283383.02.06	OLD-39-50C	Sheet 1 of 6

SOIL BORING LOG

PROJECT : NTC Orlando - Monitoring Well Installation
LOCATION : Orlando, Florida
ELEVATION :
DRILLING CONTRACTOR: Groundwater Protection, Inc.
DRILLING METHOD AND EQUIPMENT USED : 8.25 inch O.D. Hollow Stem Auger
WATER LEVELS : START 6/21/2004 END: 6/22/2004
LOGGER: Bryan Burkingstock / ATL

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (%)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. FID (ppm): *(Soil headspace)*
5						
10						
15						
20					Began collecting soil cores using a split-spoon sampler at 20 feet bgs.	
		100		7/10/15/25	SAND, fine grained, well sorted, dark brown to black, no odor, wet	
		100		15/15/25/35	Same as above.	
25		100		15/35/R	Same as above.	
		100		R	Same as above.	
		100		10/31/R	Same as above.	
30		100		11/17/17/18	Same as above.	
		100		6/7/10/12	Same as above.	
35		100		6/7/7/10	Same as above.	
		100		6/6/11/11	SAND, fine to medium grained, light brown to off white, no odor, wet	
		100		3/3/4/5	SAND, fine to medium grained, brownish white to off white, no odor, wet	
40					SAND, fine to medium grained, light brown, no odor, wet	

LEGEND
FID Flame Ionization Detector

PROJECT NUMBER	BORING NUMBER	
1 283383.02.06	OLD-39-50C	Sheet 2 of 6

SOIL BORING LOG

PROJECT : NTC Orlando - Monitoring Well Installation
LOCATION : Orlando, Florida
ELEVATION :
DRILLING CONTRACTOR: Groundwater Protection, Inc.
DRILLING METHOD AND EQUIPMENT USED : 8.25 inch O.D. Hollow Stem Auger
WATER LEVELS : START 6/21/2004 END: 6/22/2004
LOGGER: Bryan Burkingstock / ATL

		100		3/4/7/10		
		100		3/4/4/5	Same as above except color: 42-43 feet bgs white, 43-44 feet bgs light brown	
45		100		3/3/1/3	Same as above; color change to white	
		100		3/4/5/5	Same as above.	
50		100		5/6/9/10	Same as above.	
					Boring terminated at 50 feet bgs.	

LEGEND
FID Flame Ionization Detector

PROJECT NUMBER	BORING NUMBER	
1 283383.02.06	OLD-39-52C	Sheet 3 of 6

SOIL BORING LOG

PROJECT : NTC Orlando - Monitoring Well Installation
LOCATION : Orlando, Florida
ELEVATION :
DRILLING CONTRACTOR: Groundwater Protection, Inc.
DRILLING METHOD AND EQUIPMENT USED : 8.25 inch O.D. Hollow Stem Auger
WATER LEVELS : START 6/22/2004 END: 6/22/2004
LOGGER: Bryan Burkingstock / ATL

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (%)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. FID (ppm): *(Soil headspace)*
5						
10						
15						
20					Began collecting soil cores using a split-spoon sampler at 20 feet bgs.	
		80			SAND, fine grained, well sorted, dark brownish black, no odor, wet	
		50			Same as above.	
25		60			Same as above.	
		60			Same as above.	
		60			Same as above.	
30		100			SAND, same as above.	
		40			CLAYEY SAND, fine grained, wet well sorted, brownish black Same as above; greenish black	
35		80			SANDY CLAY, stiff, very fine grained sand, well sorted, wet, greenish black Same as above. CLAYEY SAND (35-35.3 feet bgs), light gravish brown, wet, fine grained, well sorted SAND (35.3-36 feet bgs), fine to med grained, wet, off white Stopped collecting soil samples b/c objective was completed.	
40						

LEGEND
FID Flame Ionization Detector

PROJECT NUMBER	BORING NUMBER	
1 283383.02.06	OLD-39-52C	Sheet 4 of 6

SOIL BORING LOG

PROJECT : NTC Orlando - Monitoring Well Installation
LOCATION : Orlando, Florida
ELEVATION :
DRILLING CONTRACTOR: Groundwater Protection, Inc.
DRILLING METHOD AND EQUIPMENT USED : 8.25 inch O.D. Hollow Stem Auger
WATER LEVELS : START 6/22/2004 END: 6/22/2004
LOGGER: Bryan Burkingstock / ATL

45						
					Boring terminated at 48.5 feet bgs.	
50						

LEGEND
FID Flame Ionization Detector

PROJECT NUMBER	BORING NUMBER	
1 283383.02.06	OLD-39-54C	Sheet 5 of 6

SOIL BORING LOG

PROJECT : NTC Orlando - Monitoring Well Installation
LOCATION : Orlando, Florida
ELEVATION :
DRILLING CONTRACTOR: Groundwater Protection, Inc.
DRILLING METHOD AND EQUIPMENT USED : 8.25 inch O.D. Hollow Stem Auger
WATER LEVELS : START 6/23/2004 END: 6/23/2004
LOGGER: Bryan Burkingstock / ATL

DEPTH BELOW SURFACE (FT)	INTERVAL (FT)	RECOVERY (%)	#/TYPE	STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. FID (ppm): *(Soil headspace)*
5						
10						
15						
20					Began collecting soil cores using a split-spoon sampler at 20 feet bgs.	
		60			SAND, fine grained, well sorted, dark brownish black, no odor, wet	
		80			Same as above.	
25		80			Same as above.	
		50			Same as above.	
		60			Same as above.	
30		80			SANDY CLAY (29.5-31.8 feet bgs), brownish black, fine grained, well sorted, wet, stiff, no odor	
		100			CLAYEY SAND (31.8-33.5 feet bgs), light brown, wet, no odor	
					SAND, off white, fine to medium grained, wet, no odor	
35					Stopped collecting soil samples b/c objective was completed.	
40						

LEGEND
FID Flame Ionization Detector

PROJECT NUMBER	BORING NUMBER	
1 283383.02.06	OLD-39-54C	Sheet 6 of 6

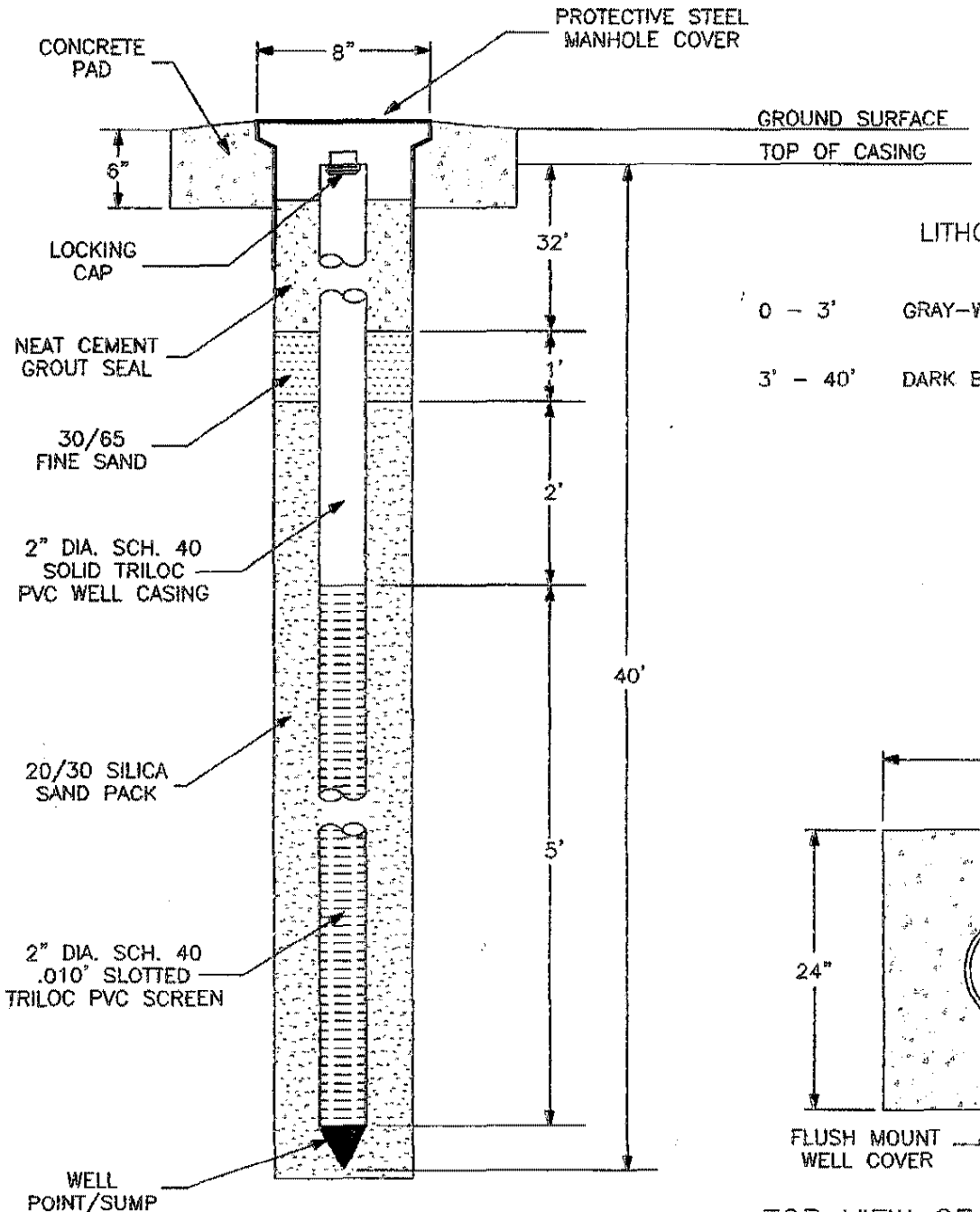
SOIL BORING LOG

PROJECT : NTC Orlando - Monitoring Well Installation
LOCATION : Orlando, Florida
ELEVATION :
DRILLING CONTRACTOR: Groundwater Protection, Inc.
DRILLING METHOD AND EQUIPMENT USED : 8.25 inch O.D. Hollow Stem Auger
WATER LEVELS : START 6/23/2004 END: 6/23/2004
LOGGER: Bryan Burkingstock / ATL

45						
					Boring terminated at 47 feet bgs.	
50						

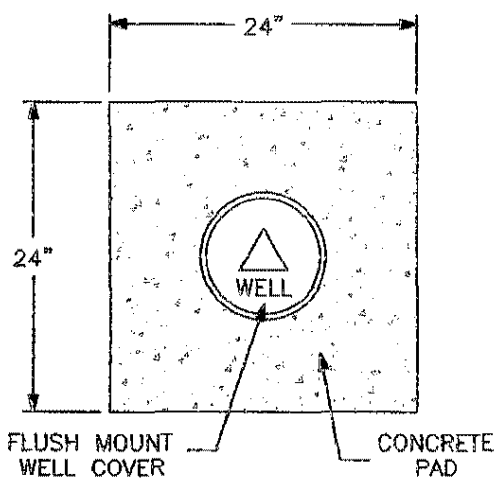
LEGEND
FID Flame Ionization Detector

Completion Logs



LITHOLOGY

0 – 3'	GRAY–WHITE FINE SAND
3' – 40'	DARK BROWN TO BLACK FINE SAND



TOP VIEW OF CROSS–SECTION

MONITORING WELL No. OLD–39–29CR

INSTALLATION REPORT

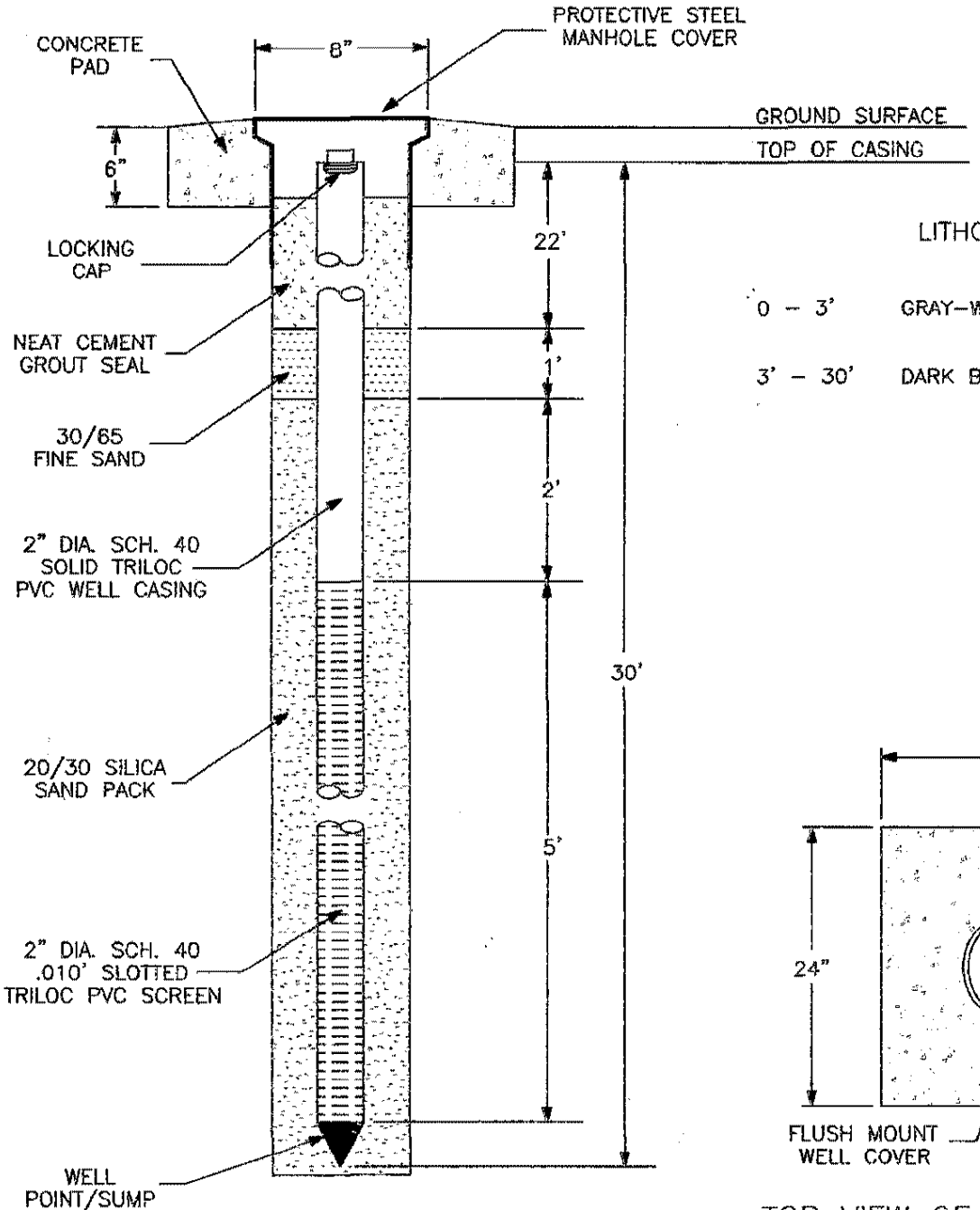
INSTALLATION DATE:	NOVEMBER 1, 2004
INSTALLED BY:	NODARSE & ASSOCIATES, INC.
DEPTH TO GROUNDWATER:	8 FEET BLS
INSTALLATION METHOD:	DRILL RIG / HOLLOW STEM AUGERS

WELL CONSTRUCTION DETAIL

BALDWIN PARK – FORMER NTC

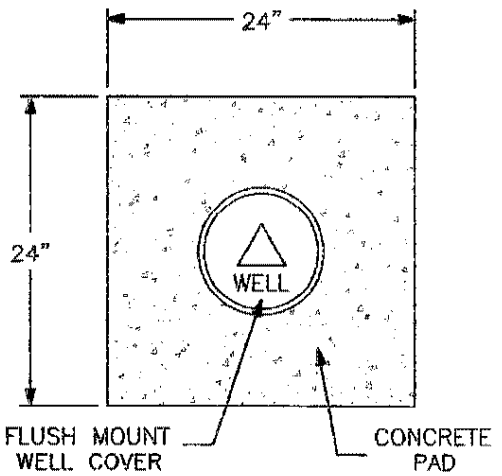
ORLANDO, ORANGE COUNTY, FLORIDA

DRAWN: SLW	NODARSE & ASSOCIATES, INC.	
CHKD: DT		
SCALE: N.T.S.		
DATE: 11–5–04	PROJ. NO: W99–E–186–11	DETAIL: 6



LITHOLOGY

0 – 3'	GRAY–WHITE FINE SAND
3' – 30'	DARK BROWN TO BLACK FINE SAND



TOP VIEW OF CROSS–SECTION

MONITORING WELL No. OLD–39–30BR

INSTALLATION REPORT

INSTALLATION DATE:	NOVEMBER 1, 2004
INSTALLED BY:	NODARSE & ASSOCIATES, INC.
DEPTH TO GROUNDWATER:	8 FEET BLS
INSTALLATION METHOD:	DRILL RIG / HOLLOW STEM AUGERS

WELL CONSTRUCTION DETAIL

BALDWIN PARK – FORMER NTC

ORLANDO, ORANGE COUNTY, FLORIDA

DRAWN:	SLW
CHKD:	DT
SCALE:	N.T.S.
DATE:	11–5–04
PROJ. NO:	W99–E–186–11
DETAIL:	3

NODARSE & ASSOCIATES, INC.

PROJECT NUMBER	WELL NUMBER	
283383.02.06	OLD-39-49B	SHEET 1 OF 1

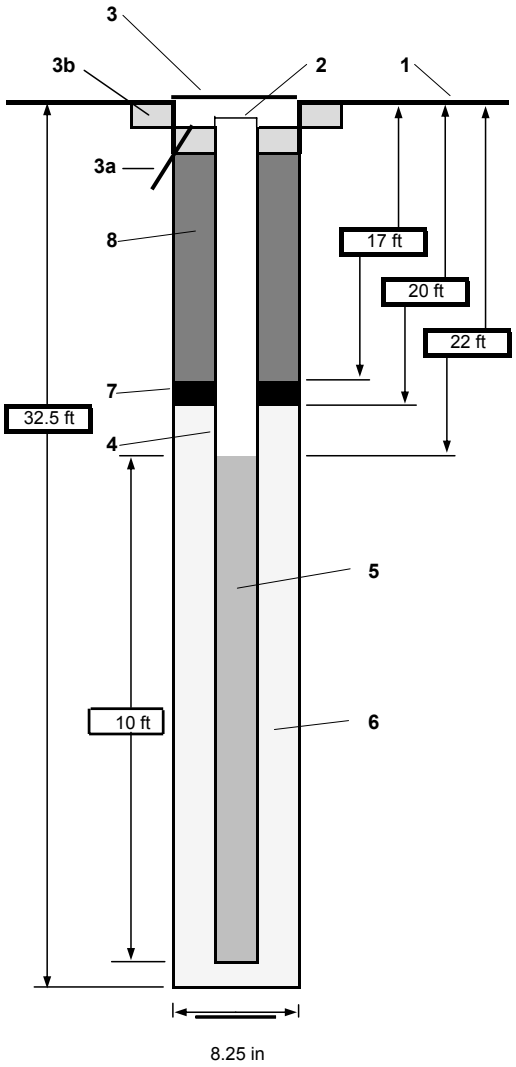
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando - Monitoring Well Installation LOCATION : Orlando, Florida

DRILLING CONTRACTOR : Groundwater Protection, Inc.

DRILLING METHOD AND EQUIPMENT USED : 8.25 inch O.D. Hollow Stem Auger

WATER LEVELS : START : 6/22/2004 END : 6/22/2004 LOGGER : Bryan Burkingstock/ATL



1- Ground elevation at well	ft	
2- Top of casing elevation	ft	
3- Wellhead protection cover type	Flush mount vault	
a) drain tube?	no	
b) concrete pad dimensions	2 ft x 2 ft	
4- Dia./type of well casing	2-inch PVC	
5- Type/slot size of screen	0.010 slot PVC	
6- Type screen filter	Standard filter sand 20/30	
a) Quantity used		
7- Type of seal	DSI Shur-plug 3/8 inch bentonite pellets	
a) Quantity used		
8- Grout		
a) Grout mix used	Portland Type II Cement and Bentonite Powder	
b) Method of placement	Tremmie Methods	
c) Vol. of well casing grout		
Development method	Surge & pump with an electrical, centrifugal, in-line pump.	
Development time	1.53	hr
Estimated purge volume	110	gallons

Comments

Grout weight =		lbs/gal	
Total Depth (BTOC) =	32.5	feet	(w/6 inch sump)

Final field parameters collected during well development (06/23/04):

pH =	5.07	
conductivity =	178.4	mS/cm
temperature =	27	°C

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
283383.02.06	OLD-39-50C	SHEET 1 OF 1

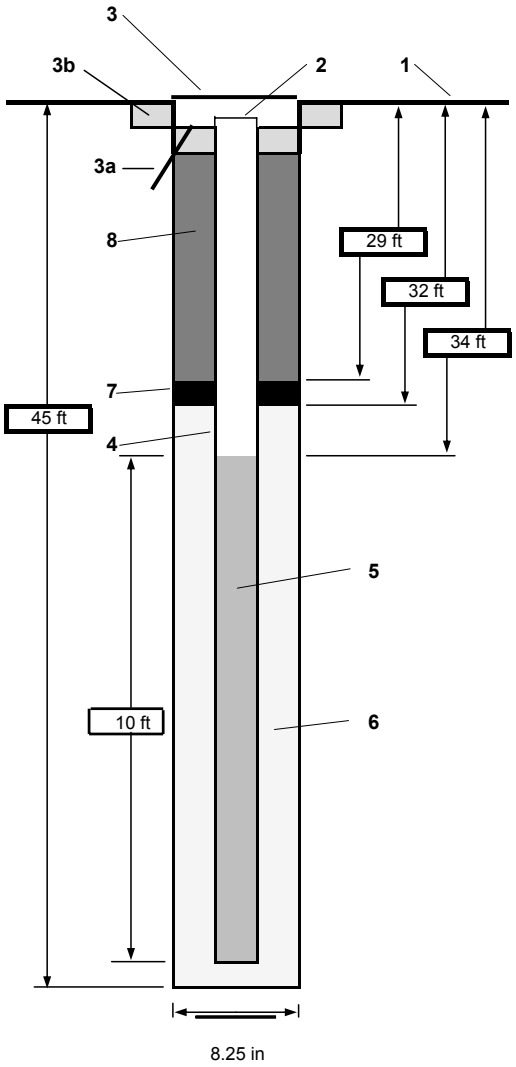
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando - Monitoring Well Installation LOCATION : Orlando, Florida

DRILLING CONTRACTOR : Groundwater Protection, Inc.

DRILLING METHOD AND EQUIPMENT USED : 8.25 inch O.D. Hollow Stem Auger

WATER LEVELS : START : 6/22/2004 END : 6/22/2004 LOGGER : Bryan Burkingstock/ATL



1- Ground elevation at well	ft	
2- Top of casing elevation	ft	
3- Wellhead protection cover type	Flush mount vault	
a) drain tube?	no	
b) concrete pad dimensions	2 ft x 2 ft	
4- Dia./type of well casing	2-inch PVC	
5- Type/slot size of screen	0.010 slot PVC	
6- Type screen filter	Standard filter sand 20/30	
a) Quantity used		
7- Type of seal	DSI Shur-plug 3/8 inch bentonite pellets	
a) Quantity used		
8- Grout		
a) Grout mix used	Portland Type II Cement and Bentonite Powder	
b) Method of placement	Tremmie Methods	
c) Vol. of well casing grout		
Development method	Surge & pump with an electrical, centrifugal, in-line pump.	
Development time	1.75	hr
Estimated purge volume	110	gallons

Comments

Grout weight =		lbs/gal	
Total Depth (BTOC) =	44	feet	(w/6 inch sump)

Final field parameters collected during well development (06/23/04):

pH =	5.66	
conductivity =	246.7	mS/cm
temperature =	27.8	°C

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
283383.02.06	OLD-39-51B	SHEET 1 OF 1

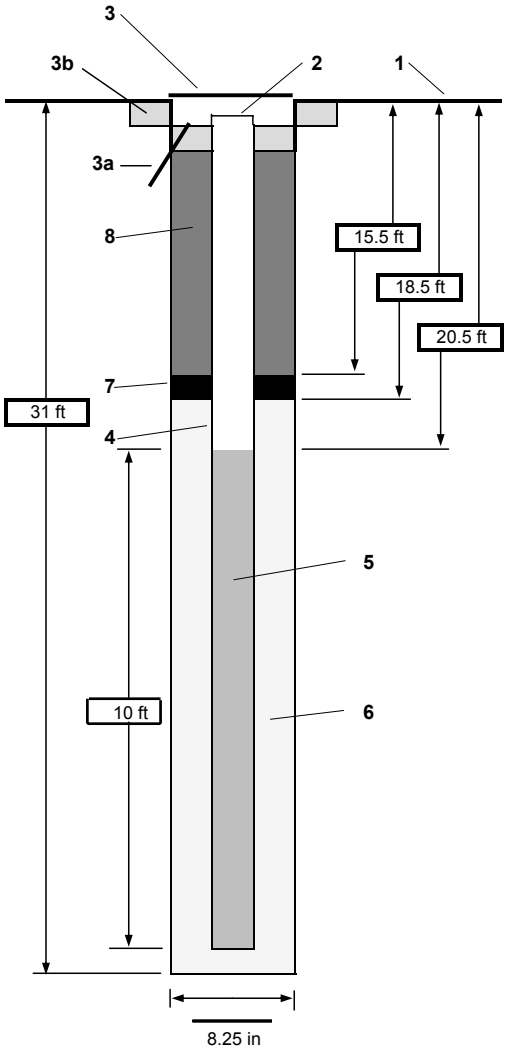
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando - Monitoring Well Installation LOCATION : Orlando, Florida

DRILLING CONTRACTOR : Groundwater Protection, Inc.

DRILLING METHOD AND EQUIPMENT USED : 8.25 inch O.D. Hollow Stem Auger

WATER LEVELS : START : 6/23/2004 END : 6/23/2004 LOGGER : Bryan Burkingstock/ATL



1- Ground elevation at well	ft
2- Top of casing elevation	ft
3- Wellhead protection cover type	Flush mount vault
a) drain tube?	no
b) concrete pad dimensions	2 ft x 2 ft
4- Dia./type of well casing	2-inch PVC
5- Type/slot size of screen	0.010 slot PVC
6- Type screen filter	Standard filter sand 20/30
a) Quantity used	
7- Type of seal	DSI Shur-plug 3/8 inch bentonite pellets
a) Quantity used	
8- Grout	
a) Grout mix used	Portland Type II Cement and Bentonite Powder
b) Method of placement	Tremmie Methods
c) Vol. of well casing grout	
Development method	Surge & pump with an electrical, centrifugal, in-line pump.
Development time	1.25 hr
Estimated purge volume	85 gallons

Comments

Grout weight =		lbs/gal	
Total Depth (BTOC) =	31	feet	(w/6 inch sump)

Final field parameters collected during well development (06/24/04):

pH =	5.05	
conductivity =	176.2	mS/cm
temperature =	27.5	^{o}C

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
283383.02.06	OLD-39-52C	SHEET 1 OF 1

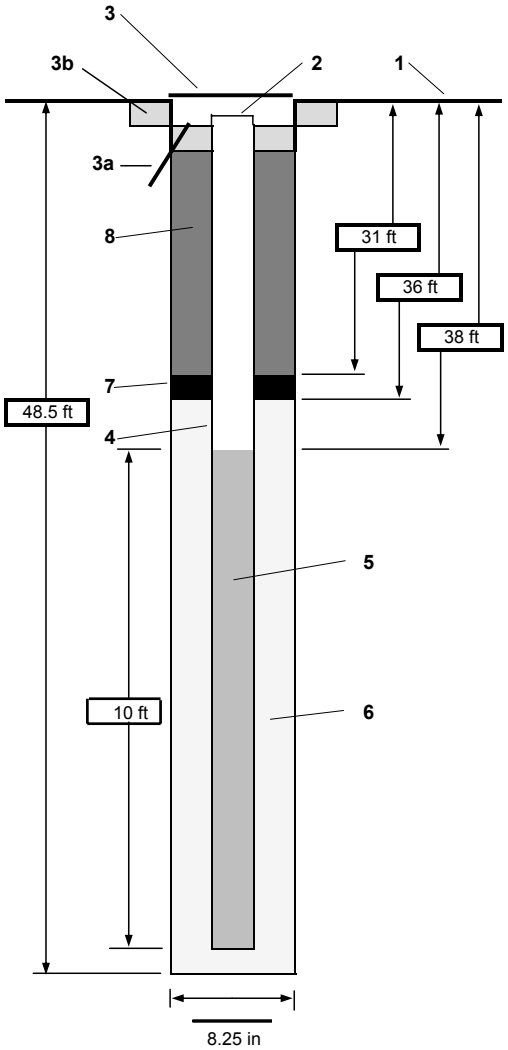
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando - Monitoring Well Installation LOCATION : Orlando, Florida

DRILLING CONTRACTOR : Groundwater Protection, Inc.

DRILLING METHOD AND EQUIPMENT USED : 8.25 inch O.D. Hollow Stem Auger

WATER LEVELS : START : 6/23/2004 END : 6/23/2004 LOGGER : Bryan Burkingstock/ATL



1- Ground elevation at well	ft	
2- Top of casing elevation	ft	
3- Wellhead protection cover type	Flush mount vault	
a) drain tube?	no	
b) concrete pad dimensions	2 ft x 2 ft	
4- Dia./type of well casing	2-inch PVC	
5- Type/slot size of screen	0.010 slot PVC	
6- Type screen filter	Standard filter sand 20/30	
a) Quantity used		
7- Type of seal	DSI Shur-plug 3/8 inch bentonite pellets	
a) Quantity used		
8- Grout		
a) Grout mix used	Portland Type II Cement and Bentonite Powder	
b) Method of placement	Tremmie Methods	
c) Vol. of well casing grout		
Development method	Surge & pump with an electrical, centrifugal, in-line pump.	
Development time	1.13	hr
Estimated purge volume	85	gallons

Comments

Grout weight =		lbs/gal	
Total Depth (BTOC) =	48.5	feet	(w/6 inch sump)

Final field parameters collected during well development (06/24/04):

pH =	5.66	
conductivity =	232.1	mS/cm
temperature =	27.2	^{o}C

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
283383.02.06	OLD-39-53B	SHEET 1 OF 1

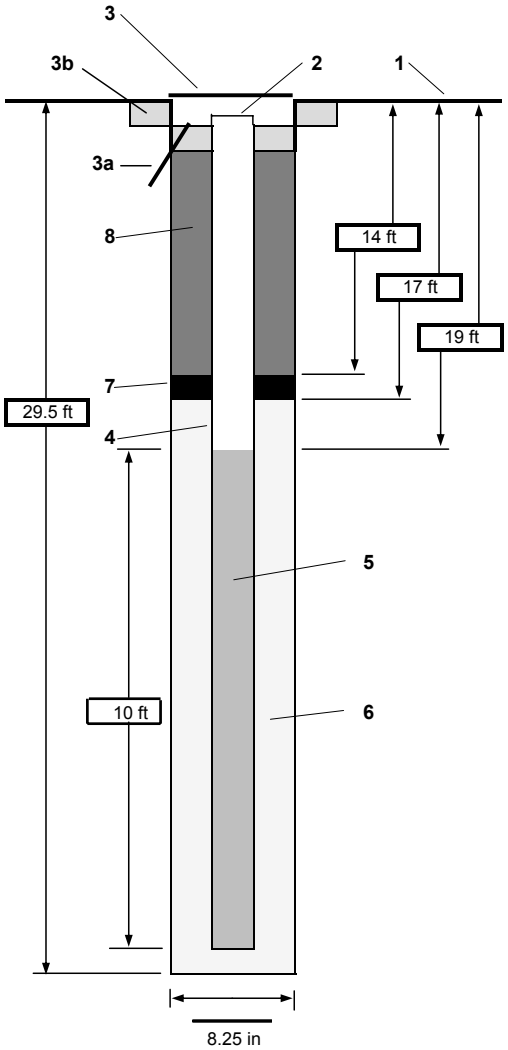
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando - Monitoring Well Installation LOCATION : Orlando, Florida

DRILLING CONTRACTOR : Groundwater Protection, Inc.

DRILLING METHOD AND EQUIPMENT USED : 8.25 inch O.D. Hollow Stem Auger

WATER LEVELS : START : 6/24/2004 END : 6/24/2004 LOGGER : Bryan Burkingstock/ATL



1- Ground elevation at well	ft	
2- Top of casing elevation	ft	
3- Wellhead protection cover type	Flush mount vault	
a) drain tube?	no	
b) concrete pad dimensions	2 ft x 2 ft	
4- Dia./type of well casing	2-inch PVC	
5- Type/slot size of screen	0.010 slot PVC	
6- Type screen filter	Standard filter sand 20/30	
a) Quantity used		
7- Type of seal	DSI Shur-plug 3/8 inch bentonite pellets	
a) Quantity used		
8- Grout		
a) Grout mix used	Portland Type II Cement and Bentonite Powder	
b) Method of placement	Tremmie Methods	
c) Vol. of well casing grout		
Development method	Surge & pump with an electrical, centrifugal, in-line pump.	
Development time	0.5	hr
Estimated purge volume	104	gallons

Comments

Grout weight =		lbs/gal	
Total Depth (BTOC) =	29.5	feet	(w/6 inch sump)

Final field parameters collected during well development (06/25/04):

pH =	5.69	
conductivity =	138.4	mS/cm
temperature =	31.1	°C

Note: Diagram not to scale.

PROJECT NUMBER	WELL NUMBER	
283383.02.06	OLD-39-54C	SHEET 1 OF 1

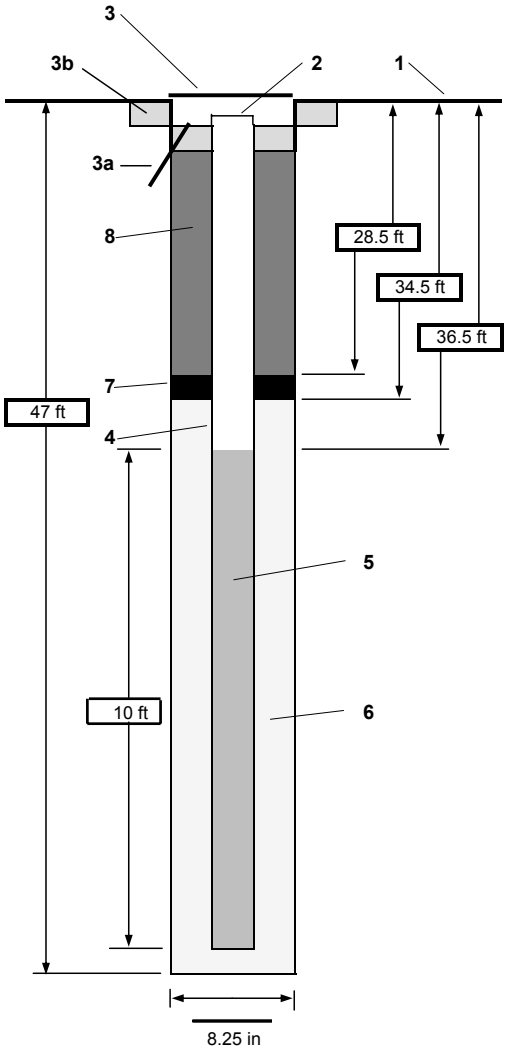
WELL COMPLETION DIAGRAM

PROJECT : NTC Orlando - Monitoring Well Installation LOCATION : Orlando, Florida

DRILLING CONTRACTOR : Groundwater Protection, Inc.

DRILLING METHOD AND EQUIPMENT USED : 8.25 inch O.D. Hollow Stem Auger

WATER LEVELS : START : 6/24/2004 END : 6/24/2004 LOGGER : Bryan Burkingstock/ATL



1- Ground elevation at well	ft	
2- Top of casing elevation	ft	
3- Wellhead protection cover type	Flush mount vault	
a) drain tube?	no	
b) concrete pad dimensions	2 ft x 2 ft	
4- Dia./type of well casing	2-inch PVC	
5- Type/slot size of screen	0.010 slot PVC	
6- Type screen filter	Standard filter sand 20/30	
a) Quantity used		
7- Type of seal	DSI Shur-plug 3/8 inch bentonite pellets	
a) Quantity used		
8- Grout		
a) Grout mix used	Portland Type II Cement and Bentonite Powder	
b) Method of placement	Tremmie Methods	
c) Vol. of well casing grout		
Development method	Surge & pump with an electrical, centrifugal, in-line pump.	
Development time	2	hr
Estimated purge volume	84	gallons

Comments

Grout weight =		lbs/gal	
Total Depth (BTOC) =	47	feet	(w/6 inch sump)

Final field parameters collected during well development (06/25/04):

pH =	5.68	
conductivity =	91.5	mS/cm
temperature =	32.5	^{o}C

Note: Diagram not to scale.

Survey Information

ORLANDO NAVAL TRAINING CENTER
SITE SA-39
AS-BUILT MONITOR WELLS

Project 177311.99.22.01.01
Field Surveys Sept.04, 2003

Note: Horizontal Datum is NAD (North American Datum) 83 SPC Fl. E US Survey Ft.. Vertical Datum is NGVD (National Geodetic Vertical Datum) 1929.

			-------Elevation--------	
Description	**North Coord.**	**East Coord.**	**TOC**	**F/M Rim**
Survey Control Points:				
360 (Re Bar & Cap @ S/W)	1535436.033	549161.214	--------	117.605
505 (Chiseled "X" in S/W)	1535563.048	549698.525	--------	115.700
506 (Chiseled "X" in S/W)	1535825.154	549699.758	--------	117.185
Monitor wells:				
7070 (OLD-39-07BR)	1535648.72	549651.42	116.79	117.15
7080 (OLD-39-08AR)	1535652.60	549649.55	116.835	117.165
7120 (OLD-39-12AR)	1535824.15	549461.37	118.485	118.785
7130 (OLD-39-13BR)	1535824.44	549456.37	118.51	118.80
7140 (OLD-39-14CR)	1535824.87	549450.81	118.545	118.83
7230 (OLD-39-23AR)	1535560.72	549578.17	116.73	117.035
7240 (OLD-39-24BR)	1535560.89	549583.30	116.765	117.025
7250 (OLD-39-25CR)	1535561.08	549586.84	116.64	117.00
7260 (OLD-39-26CR)	1535643.76	549653.00	116.765	117.095

ORLANDO NAVAL TRAINING CENTER
SITE SA-39
NEW MONITOR WELLS & REVISED MW-32&33

Project No. 283383.02.01
Field Surveys July 01, 2004

Note: Horizontal Datum is NAD (North American Datum) 83 SPC Fl. E. US Survey Ft..
Vertical Datum is NGVD (National Geodetic Vertical Datum) 1929.

			-------Elevation------	
Description	**North Coord.**	**East Coord.**	**TOC**	**F/M Rim**
Survey Control Points:				
509 (PK & Washer in curb)	1535523.579	549691.699	------	115.89
510 (PK & Washer in curb)	1535546.492	549878.212	------	114.75
Rebuilt Monitor Wells MW-32CR & 33BR:				
7320 **(OLD-39-32CR)**	1535510.49	549857.55	115.99	116.23
7330 **(OLD-39-33BR)**	1535509.72	549852.03	115.97	116.20
New Monitor Wells:				
6490 **(OLD-39-49B)**	1535501.33	549930.25	115.30	115.68
6500 **(OLD-39-50C)**	1535501.89	549924.88	115.39	115.62
6510 **(OLD-39-51B)**	1535481.55	549803.48	115.33	115.58
6520 **(OLD-39-52C)**	1535482.08	549807.58	115.19	115.54
6530 **(OLD-39-53B)**	1535462.16	549752.81	115.66	115.92
6540 **(OLD-39-54C)**	1535462.87	549748.16	115.77	116.08

ORLANDO NAVAL TRAINING CENTER
SITE SA-39
AS/BUILT MONITOR WELLS

Project No. 177311.99.22.01.01
Field Surveys May 04, 2004

Note: Horizontal Datum is NAD (North American Datum) 83 SPC Fl. E. US Survey Ft..
Vertical Datum is NGVD (National Geodetic Vertical Datum) 1929.

Description	North Coord.	East Coord.	-------Elevation------ TOC	F/M Rim (*)Survey Pt.
Survey Control Points:				
360 (Conc. Mon. @ SW)	1535436.033	549161.214	-------	**(*)**117.605
509 (PK & Washer in curb)	1535523.579	549691.699	-------	**(*)**115.89
510 (Chiseled "X" in curb)	1535546.492	549878.213	-------	**(*)**114.75
Monitor Wells:				
6040 **(OLD-39-04AR)**	1535583.44	549698.21	115.89	116.27
6150 **(OLD-39-15BR)**	1535585.34	549698.10	116.02	116.29
6400 **(OLD-39-40BR)**	1535592.53	549911.75	115.38	115.67
6410 **(OLD-39-41CR)**	1535593.84	549914.97	115.71	115.70

Note:
Old-39-04AR X&Y Coord. Differ from the original survey, Reason unknown!
Old-39-40BR & 41CR are reversed from the original survey. They are not numbered in the field so this is how they are shown on the drawing I have.

ORLANDO NAVAL TRAINING CENTER
SITE SA-39
NEWLY COMPLETED MONITOR WELLS

Project No. 277311. 99.22.01.01
Field Surveys Nov. 01.2004

Note: Horizontal Datum is NAD (North American Datum) 83 SPC Fl. N. US Survey Ft..
Vertical Datum is NGVD (National Geodetic Vertical Datum) 1929

			-------Elevation-------		
Description	**North Coord.**	**East Coord.**	**TOC**	**F/M Rim**	**Ground**
509 (PK & Washer in Curb)	1535523.579	549691.698	------	------	115.89
510 (Chiseled "X")	1535546.49	549878.21	------	------	114.75
Monitor Wells:					
6350 **(OLD-39-35BR)**	1535513.78	549757.01	115.45	115.69	115.6
6360 **(OLD-39-36AR)**	1535514.24	549760.98	115.59	115.78	115.7
6370 **(OLD-39-37CR)**	1535513.91	549752.03	115.565	115.73	115.7

Note:
Two new monitor wells are currently being constructed to replace OLD-39-29 & 30.

ORLANDO NAVAL TRAINING CENTER
SITE SA-39
NEW MONITOR WELLS

Project No. 277311.99.22.01.01
Field Surveys Dec. 29, 2004

Note: Horizontal Datum is NAD (North American Datum) 83 SPC Fl. E. US Survey Ft..
Vertical Datum is NGVD (National Geodetic Vertical Datum) 1929.

			---------Elevation---------		
Description	**North Coord.**	**East Coord.**	**TOC**	**F/M Rim**	**Ground**
Survey Control Points:					
510 (Chiseled "X" in Curb)	1535546.492	549878.212	------	------	114.75
509 (PK & Washer in Curb)	1535523.579	549691.699	------	------	115.89
Monitor Wells [Replacements for OLD-39-29 & 30]:					
6000 **(OLD-39-MW-29?)**	1535515.96	550019.21	115.57	115.73	115.6
6005 **(OLD-39-MW-30?)**	1535516.30	550013.51	115.62	115.82	115.6

Note: The Wells are not marked or numbered. I was told by the installers that they were #'s 29 & 30
Ken

Inspection Forms

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-04AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	8:11
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	14.50	Survey Northing	1,535,583.4400
Screen Interval (ft)		Survey Easting	549,698.2100
Well Diameter (in)	2	North (decimal degrees)	28.55760969
Well Material	PVC SCH 40	East (decimal degrees)	-81.33166239
Completion Type:	Flush Mount	TOC Elevation	115.89

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-07BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	8:26
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	36.20	Survey Northing	1,535,648.7200
Screen Interval (ft)		Survey Easting	549,651.4200
Well Diameter (in)	2	North (decimal degrees)	28.55778887
Well Material	PVC SCH 40	East (decimal degrees)	-81.3318087
Completion Type:	Flush Mount	TOC Elevation	116.79

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-08AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	8:28
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	16.90	Survey Northing	1,535,652.6000
Screen Interval (ft)		Survey Easting	549,649.5500
Well Diameter (in)	2	North (decimal degrees)	28.55779953
Well Material	PVC SCH 40	East (decimal degrees)	-81.33181456
Completion Type:	Flush Mount	TOC Elevation	116.835

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-12AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/14/2007
Site Name	Study Area 39	**Inspection Time**	7:57
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	17.00	Survey Northing	1,535,824.1500
Screen Interval (ft)		Survey Easting	549,461.3700
Well Diameter (in)	2	North (decimal degrees)	28.55826991
Well Material	PVC SCH 40	East (decimal degrees)	-81.33240224
Completion Type:	Flush Mount	TOC Elevation	118.485

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-13BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/14/2007
Site Name	Study Area 39	**Inspection Time**	7:55
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	28.00	Survey Northing	1,535,824.4400
Screen Interval (ft)		Survey Easting	549,456.3700
Well Diameter (in)	0	North (decimal degrees)	28.55827067
Well Material	PVC SCH 40	East (decimal degrees)	-81.33241782
Completion Type:	Flush Mount	TOC Elevation	118.51

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-14CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/14/2007
Site Name	Study Area 39	**Inspection Time**	7:53
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	39.00	Survey Northing	1,535,824.8700
Screen Interval (ft)		Survey Easting	549,450.8100
Well Diameter (in)	0	North (decimal degrees)	28.55827181
Well Material	PVC SCH 40	East (decimal degrees)	-81.33243514
Completion Type:	Flush Mount	TOC Elevation	118.54

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,non-locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-15BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	8:13
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	23.50	Survey Northing	1,535,585.3400
Screen Interval (ft)		Survey Easting	549,698.1000
Well Diameter (in)	2	North (decimal degrees)	28.55761491
Well Material	PVC SCH 40	East (decimal degrees)	-81.33166275
Completion Type:	Flush Mount	TOC Elevation	116.02

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-23AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	7:54
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	17.20	Survey Northing	1,535,560.7200
Screen Interval (ft)		Survey Easting	549,578.1700
Well Diameter (in)	2	North (decimal degrees)	28.55754629
Well Material	PVC SCH 40	East (decimal degrees)	-81.33203613
Completion Type:	Flush Mount	TOC Elevation	116.73

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked	Replace Well Tag	Yes
Well Cover	bolts missing,damaged	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-24BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	8:04
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	23.00	Survey Northing	1,535,560.8900
Screen Interval (ft)		Survey Easting	549,583.3000
Well Diameter (in)	2	North (decimal degrees)	28.5575468
Well Material	PVC SCH 40	East (decimal degrees)	-81.33202015
Completion Type:	Flush Mount	TOC Elevation	116.765

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-25CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	8:00
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	40.00	Survey Northing	1,535,561.0800
Screen Interval (ft)	37-42	Survey Easting	549,586.8400
Well Diameter (in)	2	North (decimal degrees)	28.55754734
Well Material	PVC SCH 40	East (decimal degrees)	-81.33200912
Completion Type:	Flush Mount	TOC Elevation	116.64

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-26CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	8:29
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	38.60	Survey Northing	1,535,643.7600
Screen Interval (ft)		Survey Easting	549,653.0000
Well Diameter (in)	2	North (decimal degrees)	28.55777524
Well Material	PVC SCH 40	East (decimal degrees)	-81.33180374
Completion Type:	Flush Mount	TOC Elevation	116.76

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-29CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	10:47
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	38.90	Survey Northing	1,535,515.9600
Screen Interval (ft)	35-40	Survey Easting	550,019.2100
Well Diameter (in)	2	North (decimal degrees)	28.55742654
Well Material	PVC SCH 40	East (decimal degrees)	-81.33066187
Completion Type:	Flush Mount	TOC Elevation	115.57

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-30BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	10:49
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	29.00	Survey Northing	1,535,516.3000
Screen Interval (ft)	25-30	Survey Easting	550,013.5100
Well Diameter (in)	2	North (decimal degrees)	28.55742743
Well Material	PVC SCH 40	East (decimal degrees)	-81.33067962
Completion Type:	Flush Mount	TOC Elevation	115.62

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	damaged,locking	Replace Well Cap	Yes
Well Lock	Damaged	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-32CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	9:59
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	37.00	Survey Northing	1,535,510.4600
Screen Interval (ft)		Survey Easting	549,857.4000
Well Diameter (in)	2	North (decimal degrees)	28.55741018
Well Material	PVC SCH 40	East (decimal degrees)	-81.33116587
Completion Type:	Flush Mount	TOC Elevation	117.29

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-33BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	10:01
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	26.90	Survey Northing	1,535,509.7700
Screen Interval (ft)		Survey Easting	549,851.9400
Well Diameter (in)	2	North (decimal degrees)	28.55740824
Well Material	PVC SCH 40	East (decimal degrees)	-81.33118287
Completion Type:	Flush Mount	TOC Elevation	117.35

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-35BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	8:52
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	27.20	Survey Northing	1,535,513.7800
Screen Interval (ft)		Survey Easting	549,757.0100
Well Diameter (in)	2	North (decimal degrees)	28.55741855
Well Material	PVC SCH 40	East (decimal degrees)	-81.33147862
Completion Type:	Flush Mount	TOC Elevation	115.45

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-36AR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	8:50
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	16.30	Survey Northing	1,535,514.2400
Screen Interval (ft)		Survey Easting	549,760.9800
Well Diameter (in)	2	North (decimal degrees)	28.55741985
Well Material	PVC SCH 40	East (decimal degrees)	-81.33146626
Completion Type:	Flush Mount	TOC Elevation	115.59

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-37CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	8:54
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	43.00	Survey Northing	1,535,513.9100
Screen Interval (ft)		Survey Easting	549,752.0300
Well Diameter (in)	2	North (decimal degrees)	28.55741887
Well Material	PVC SCH 40	East (decimal degrees)	-81.33149413
Completion Type:	Flush Mount	TOC Elevation	115.56

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	damaged	Replace Well Pad	Yes
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	damaged	Replace Well Cover	Yes
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-40BR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/14/2007
Site Name	Study Area 39	**Inspection Time**	8:30
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	27.60	Survey Northing	1,535,592.5300
Screen Interval (ft)	24.9-29.9	Survey Easting	549,911.7500
Well Diameter (in)	2	North (decimal degrees)	28.55763631
Well Material	PVC SCH 40	East (decimal degrees)	-81.33099727
Completion Type:	Flush Mount	TOC Elevation	115.38

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	bolts missing,good	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-41CR / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/14/2007
Site Name	Study Area 39	**Inspection Time**	8:33
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	36.50	Survey Northing	1,535,593.8400
Screen Interval (ft)	37.3-42.3	Survey Easting	549,914.9700
Well Diameter (in)	2	North (decimal degrees)	28.55763994
Well Material	PVC SCH 40	East (decimal degrees)	-81.33098725
Completion Type:	Flush Mount	TOC Elevation	115.71

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	not needed	Replace Well Pad	No
Well Tag	illegible or unmarked,paint pen	Replace Well Tag	Yes
Well Cover	good	Replace Well Cover	Yes
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-49B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	10:03
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	32.40	Survey Northing	1,535,501.3300
Screen Interval (ft)	22-32	Survey Easting	549,930.2500
Well Diameter (in)	2	North (decimal degrees)	28.55738563
Well Material	PVC SCH 40	East (decimal degrees)	-81.33093886
Completion Type:	Flush Mount	TOC Elevation	115.3

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good,buried pad	Replace Well Pad	No
Well Tag	non-standard tag,paint pen,properly at	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

pad covered by mulch

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-50C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	10:06
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	43.70	Survey Northing	1,535,501.8900
Screen Interval (ft)		Survey Easting	549,924.8800
Well Diameter (in)	2	North (decimal degrees)	28.55738712
Well Material	PVC SCH 40	East (decimal degrees)	-81.33095559
Completion Type:	Flush Mount	TOC Elevation	115.39

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good,buried pad	Replace Well Pad	No
Well Tag	non-standard tag,paint pen,properly at	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

pad covered by mulch

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-51B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	9:11
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	31.00	Survey Northing	1,535,481.5500
Screen Interval (ft)	20.5-30.5	Survey Easting	549,803.4800
Well Diameter (in)	2	North (decimal degrees)	28.55733026
Well Material	PVC SCH 40	East (decimal degrees)	-81.33133358
Completion Type:	Flush Mount	TOC Elevation	115.33

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	not attached,paint pen,properly attach	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-52C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	9:12
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	47.60	Survey Northing	1,535,482.0800
Screen Interval (ft)	38-48	Survey Easting	549,807.5800
Well Diameter (in)	2	North (decimal degrees)	28.55733175
Well Material	PVC SCH 40	East (decimal degrees)	-81.33132082
Completion Type:	Flush Mount	TOC Elevation	115.19

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,paint pen,properly at	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	No
Protective Casing	not applicable	Replace Protective Casing	No

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WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-53B / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	9:14
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	28.40	Survey Northing	1,535,462.1600
Screen Interval (ft)	19-29	Survey Easting	549,752.8100
Well Diameter (in)	2	North (decimal degrees)	28.55727655
Well Material	PVC SCH 40	East (decimal degrees)	-81.33149126
Completion Type:	Flush Mount	TOC Elevation	115.66

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,paint pen,properly at	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB

TERRAINE
Environmental Consulting

WELL INSPECTION REPORT

TETRA TECH NUS, INC.

Facility Name	Naval Training Center, Orlando	**Well ID / Well Type**	OLD-39-54C / MW
Facility Location	Orlando, FL 32813	**Inspection Date**	07/13/2007
Site Name	Study Area 39	**Inspection Time**	9:15
Site Status	Active	**Field Inspector**	Gary Braganza

WELL CONSTRUCTION DETAILS		WELL COORDINATES	
Total Depth (ft)	45.50	Survey Northing	1,535,462.8700
Screen Interval (ft)	36.5-46.5	Survey Easting	549,748.1600
Well Diameter (in)	2	North (decimal degrees)	28.55727846
Well Material	PVC SCH 40	East (decimal degrees)	-81.33150575
Completion Type:	Flush Mount	TOC Elevation	115.77

WELL CONDITIONS		FIELD RECOMMENDATIONS	
		Abandon or Retain	Retain Well
Well Pad	good	Replace Well Pad	No
Well Tag	non-standard tag,paint pen,properly at	Replace Well Tag	Yes
Well Cover	good,non-bolting	Replace Well Cover	No
Well Cap	good,locking	Replace Well Cap	No
Well Lock	Missing	Replace Well Lock	Yes
Protective Casing	not applicable	Replace Protective Casing	No

WELL PHOTOGRAPH

COMMENTS

SIGNATURE

GB