N65928.AR.002645
NTC ORLANDO
5090.3a

LETTER TRANSMITTING TANK CLOSURE ASSESSMENT REPORT FOR BUILDINGS 3132 AND 7210 NTC ORLANDO FL
1/19/1996
ABB ENVIRONMENTAL

ABB

January 19, 1996

Doc No.: 08519.365

Mr. John Mitchell
State of Florida
Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Subject: Tank Closure Assessment Reports (TCAR's)
Building Numbers 3132 and 7210
Naval Training Center, Orlando, Florida
CTO 107, Contract No. N62467-89-D-0317

Dear Mr. Mitchell:

Enclosed for your review and approval are the Tank Closure Assessment Reports (TCAR's) for the above referenced facilities. These are the reports that were originally sent to you on November 17, 1995.

Please insert these copies into the binder that has been provided to you.

Should you have any questions or comments regarding these TCAR's, please contact Mr. Nick Ugolini at (803) 743-0596 or Mirna Barq at (407) 895-8845.

Very Truly Yours,

ABB Environmental Services, Inc.

Manuel Alonso, P.G.
Senior Geologist

Mirna Barq
Project Engineer

MA/MB/vke
Enclosures

c:\wp51\ust\fdep\mitchell.119

Sponsor Special Olympics World Games Connecticut 1995

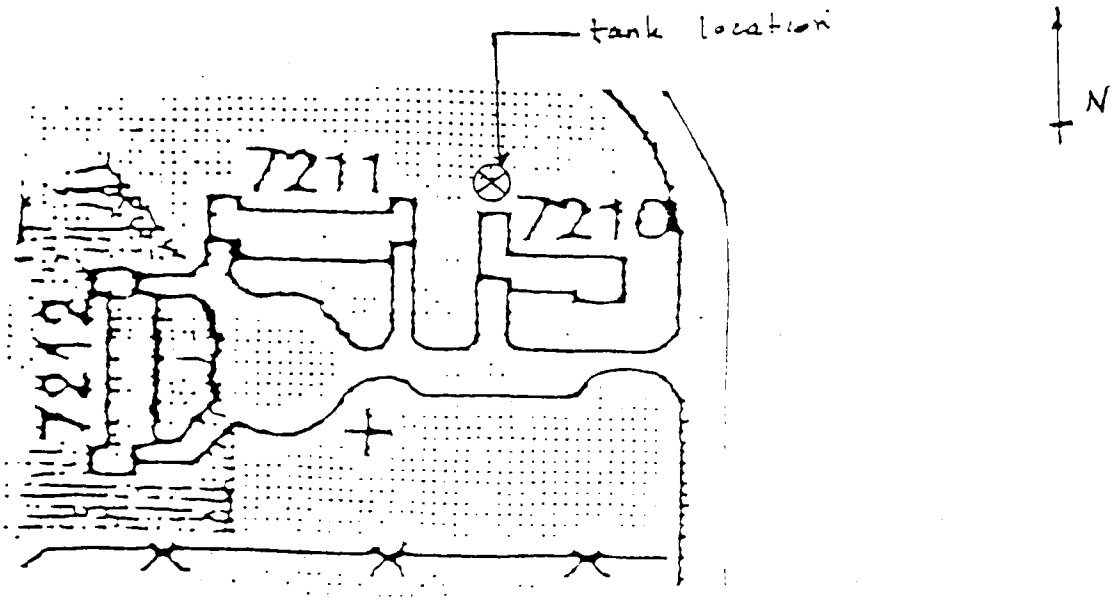
ABB Environmental Services Inc.

1080 Woodcock Road, Suite 100
St. Paul Building
Orlando, Florida 32803

Telephone (407) 895-8845
Fax (407) 896-6150

EXCAVATION PERMIT	PUBLIC WORKS DEPARTMENT NAVAL TRAINING STATION, ORLANDO
REQUESTER Mark Zill	ACTIVITY AND PHONE NO. Bldg 2025 4663
REASON FOR EXCAVATION Tank removal of tank number 7210	LOCATION Building 7210
	DIMENSIONS OF EXCAVATION 60 ft x 60 ft
PROPOSED EXCAVATION DATE July 26, 1995	METHOD OF EXCAVATION Backhoe

SKETCH OF EXCAVATION SITE



DEPARTMENT	SIGNATURE	YES	NO
PWD ENGINEERING DIVISION	[illegible]	☑	☐
PWD ELECTRICAL TRADES BRANCH	[illegible]	☑	☐
PWD METAL TRADES BRANCH	D.E. Marcum	☑	☐
PWD TELEPHONE BRANCH	Call 1800 432-4770 x	☐	☐
PWD IRRIGATION CONTRACTOR	Russell Van Meter	☐	☑

APPROVING OFFICERS' COMMENTS

for Southern Bell Telephone + Cable TV LOCATES

PRINTS PROVIDED:

WATER
ELECT
SAN. SEW.
NO GAS UTLY LINES FOUND IN AREA
D CHIAVARDI 7/13/95

DIRECTOR, MAINTENANCE UTILITIES DIVISION	APPROVED ☒ DISSAPPROVED ☐	DATE 7/18/95

FILE COPY

INCOMING
DOC. NO.
344-08519

BECHTEL

Bechtel Environmental, Inc.
1401 Leahy Ave. Building # 2078
Orlando, FL 32813-8329

RECEIVED
OCT 18 1995
By L. Kanat

October 18, 1995

Manuel Alonso
ABB Environmental Services, Inc.
St. Paul Building
1080 Woodcock Road, Suite 100
Orlando, Fl 32803

Dear Mr. Alonso:

In response to your note of 16th October 1995-(ABB Needs Paper Work):
The Approximate Gallons of Product Removed Prior to Tank Removal is as follows for McCoy Annex:
7210 - 500 gallon tank - no product, 500 gallons water
7211 - 500 gallon tank - 465 gallons of product, 35 gallons of water
7211A - 300 gallon tank - 300 gallons of product, no water
7212 - 500 gallon tank - 500 gallons of product, no water
7212A - 300 gallon tank - 130 gallons of product, 170 gallons water

Bechtel will provide the information in a timely manor upon receipt from our subcontractor, FPS. The tanks remaining on your list (150, 210, 212, 214, 216, 218, 218A, 220, 222, 224, 226, 228, 234, 303, 2036, 2003, 2003A, 2817) either have not been sent to recycle or FPS has not submitted the documents requested as of this date.

Should you have any questions, please do not hesitate to contact me at (407) 896-9913.

Sincerely,

R Willis

Ray Willis
Site Superintendent

RW/ms

cc: Mac McNeil, Bechtel
Laurie Ballard, Bechtel
Gaines Smith, Bechtel
Kurt Musser, NTC ROICC
Ken Wood, FPS

onrac\alonso10.18

Report of Analytical Results
601/602(MOD)-HALOCARB/AROM,STD LIST,W/WW

Date Collected: 08/09/95
Date Received: 08/11/95
Date Extracted: None
Date Analyzed: 08/17/95

Client Sample ID: 001GT101
Lab ReferenceNum: G8202

Sample ID: G8202001
Sample Matrix: Water
Sample Description: [redacted]
Dilution: 1.00

Analytical Parameter	CAS/Storet Number	Result	Units	Reporting Level
GC VOLATILES				
Chloromethane	74-87-3	1.0 U	ug/L	1.0
Bromomethane	74-83-9	1.0 U	ug/L	1.0
Dichlorodifluoromethane	75-71-8	1.0 U	ug/L	1.0
Vinyl chloride	75-01-4	1.0 U	ug/L	1.0
Chloroethane	75-00-3	1.0 U	ug/L	1.0
Dichloromethane (Methylene chloride)	75-09-2	5.0 U	ug/L	5.0
Trichlorofluoromethane	75-69-4	1.0 U	ug/L	1.0
1,1-Dichloroethene	75-35-4	1.0 U	ug/L	1.0
1,1-Dichloroethane	75-34-3	1.0 U	ug/L	1.0
trans-1,2-Dichloroethene	156-60-5	1.0 U	ug/L	1.0
Chloroform	67-66-3	1.0 U	ug/L	1.0
1,2-Dichloroethane	107-06-2	1.0 U	ug/L	1.0
1,1,1-Trichloroethane	71-55-6	1.0 U	ug/L	1.0
Carbon tetrachloride	56-23-5	1.0 U	ug/L	1.0
Bromodichloromethane	75-27-4	1.0 U	ug/L	1.0
1,2-Dichloropropane	78-87-5	1.0 U	ug/L	1.0
cis-1,3-Dichloropropene	10061-01-5	1.0 U	ug/L	1.0
Trichloroethene	79-01-6	1.0 U	ug/L	1.0
Dibromochloromethane	124-48-1	1.0 U	ug/L	1.0
1,1,2-Trichloroethane	79-00-5	1.0 U	ug/L	1.0
trans-1,3-Dichloropropene	10061-02-6	1.0 U	ug/L	1.0
Bromoform	75-25-2	1.0 U	ug/L	1.0
1,1,2,2-Tetrachloroethane	79-34-5	1.0 U	ug/L	1.0
Tetrachloroethene	127-18-4	1.0 U	ug/L	1.0
Chlorobenzene	108-90-7	1.0 U	ug/L	1.0
1,3-Dichlorobenzene	541-73-1	1.0 U	ug/L	1.0
1,2-Dichlorobenzene	95-50-1	1.0 U	ug/L	1.0
1,4-Dichlorobenzene	106-46-7	1.0 U	ug/L	1.0
tert-Butyl methyl ether	1634-04-4	1.0 U	ug/L	1.0
Benzene	71-43-2	1.0 U	ug/L	1.0
Toluene	108-88-3	1.0 U	ug/L	1.0
Ethylbenzene	100-41-4	1.0 U	ug/L	1.0
Xylenes (Total)	1330-20-7	1.0 U	ug/L	1.0
Fluorobenzene - SS	462-06-6	98	%rec	

(4623)

ORGANICS ANALYSIS DATA SHEET

Laboratory Name: QAL MONTGOMERY
Lab Sample ID: G8202001
Client Sample ID: 001GT101

Concentration: LOW
Sample Matrix: WATER
Percent Moisture: _____

Date Extracted: 08/15/95
Date Analyzed: 08/17/95
Dilution Factor: 1.0

PNA COMPOUNDS

CAS Number		ug/L	
91-20-3	Naphthalene	2	U
91-57-6	2-Methylnaphthalene . . .	2	U
90-12-0	1-Methylnaphthalene . . .	2	U
208-96-8	Acenaphthylene	2	U
83-32-9	Acenaphthene	2	U
86-73-7	Fluorene.	2	U
85-01-8	Phenanthrene.	2	U
120-12-7	Anthracene.	2	U
206-44-0	Fluoranthene.	2	U
129-00-0	Pyrene.	2	U
56-55-3	Benzo(a)anthracene. . . .	2	U
218-01-9	Chrysene.	2	U
205-99-2	Benzo(b)fluoranthene . .	2	U
207-08-9	Benzo(k)fluoranthene . .	2	U
50-32-8	Benzo(a)pyrene.	2	U
193-39-5	Indeno(1,2,3-cd)pyrene. .	2	U
53-70-3	Dibenzo(a,h)anthracene. .	2	U
191-24-2	Benzo(g,h,i)perylene. . .	2	U
	Terphenyl-d14 - SS	75	%

U - Analyzed for but not detected.
B - Detected in QC blank.
J - Detected, concentration estimated.
SS - Surrogate Standard reported as percent recovery.

Comments:

Form I

000014

Quality Analytical Laboratories, Inc.
2567 Fairlane Drive, Montgomery, AL 36116
P.O. Box 231148, Montgomery, AL 36123
(334) 271-2440
Fax No. (334) 271-3428

QUALITY ANALYTICAL LABORATORIES, INC.

CHAIN OF CUSTODY RECORD AND AGREEMENT TO PERFORM SERVICES

Project # 8519-54

Purchase Order #

Project Name NTC ORLANDO-TANK MANAGEMENT PLAN

Company Name ABB-ES

Project Manager or Contact & Phone # Scott Donelick 407-895-8845

Report Copy to: SCOTT DONELICK

Requested Completion Date: 8-26-95

Site ID

Sample Disposal: Dispose ☒ Return ☐

☒ **LGN** One Innovation Drive, Suite C, Alachua, FL 32615-9586, (904) 462-3050 FAX (904) 462-1670

☐ **LRD** 5090 Caterpillar Road, Redding, CA 96003-1412, (916) 244-5227 FAX (916) 244-4109

☐ **LMG** 2567 Fairlane Drive, Montgomery, AL 36116-1622, (205) 271-2440 FAX (205) 271-3428

☐ **LKW** Canviro Analytical Laboratories, Inc., 50 Bathurst, Unit 12, Waterloo, Ontario, Canada N2V 2C5, (519) 747-2575 FAX (519) 747-3806

THIS AREA FOR LAB USE ONLY

Lab #	Page	of
G8202	1	1

Client Service | Price Source A P Q S

Acct Code | Test Group

Project Code | Ack. Gen.

LIMS Ver | Login | Mult.

COC Review

Sampling Date	Sampling Time	Type COMP	Type GRAB	Matrix WATER	Matrix SOIL	CLIENT SAMPLE ID (9 CHARACTERS)	QC ID (3 CHAR)	# OF CONTAINERS	EPA 610 PAH	EPA 602 VOLATILES	SAMPLE REMARKS	LAB 1 ID	LAB 2 ID
8-9	1500		X	X		7210TM1		5	2	3	ABB sample #s	1	
8-9	1540		X	X		7212ATM1		5	2	3	begin with	2	
8-9	1555		X	X		7212TM1		5	2	3	OLD prefix	3	
8-10	0930		X	X		7211ATM1		5	2	3	*REQUEST	4	
8-10	1242		X	X		3132TM1		5	2	3	2-WEEK	5	
											TURN A ROUND		

'RG' [signature]

FOR LAB USE ONLY
LAB # G8202
PROJ # LGN00999-95
ACK [signature] VERIFIED [signature]
HAZWRAP/NESSA Y (N)
QC LEVEL (1) 2 3
COC Y | ICE Y
ANA REQ Y | TEMP 4°C
CUST SEAL Y | PH ✓
SAMPLE COND. 1420

Sampled By & Title (Please sign and print name) Scott Donelick-SCOTT DONELICK (FOL)	Date/Time 8-9-10/95	Relinquished By (Please sign and print name) Scott Donelick (SCOTT DONELICK)
Received By (Please sign and print name) Paul Gunsaulies	Date/Time 8/11/95 1015	Relinquished By (Please sign and print name) Paul Gunsaulies
Received By (Please sign and print name) [signature] 8/12/95	Date/Time 0930	Relinquished By (Please sign and print name)
Received By (Please sign and print name)	Date/Time	Shipped Via UPS (Fed-Ex) Other

Date/Time 1700 8-10-95

Date/Time 8/11/95 1700

Date/Time

Shipping # 5543720991

HAZWRAP/NESSA: Y N

EDATA: Y N

QC LEVEL 1 2 (3) OTHER

pH ✓ | Ice ✓

Custody Seal ✓ | Temp 4°C

Batch Remarks:

149 9941 861

DISTRIBUTION: Original - LAB, Yellow - LAB, Pink - Client

000025

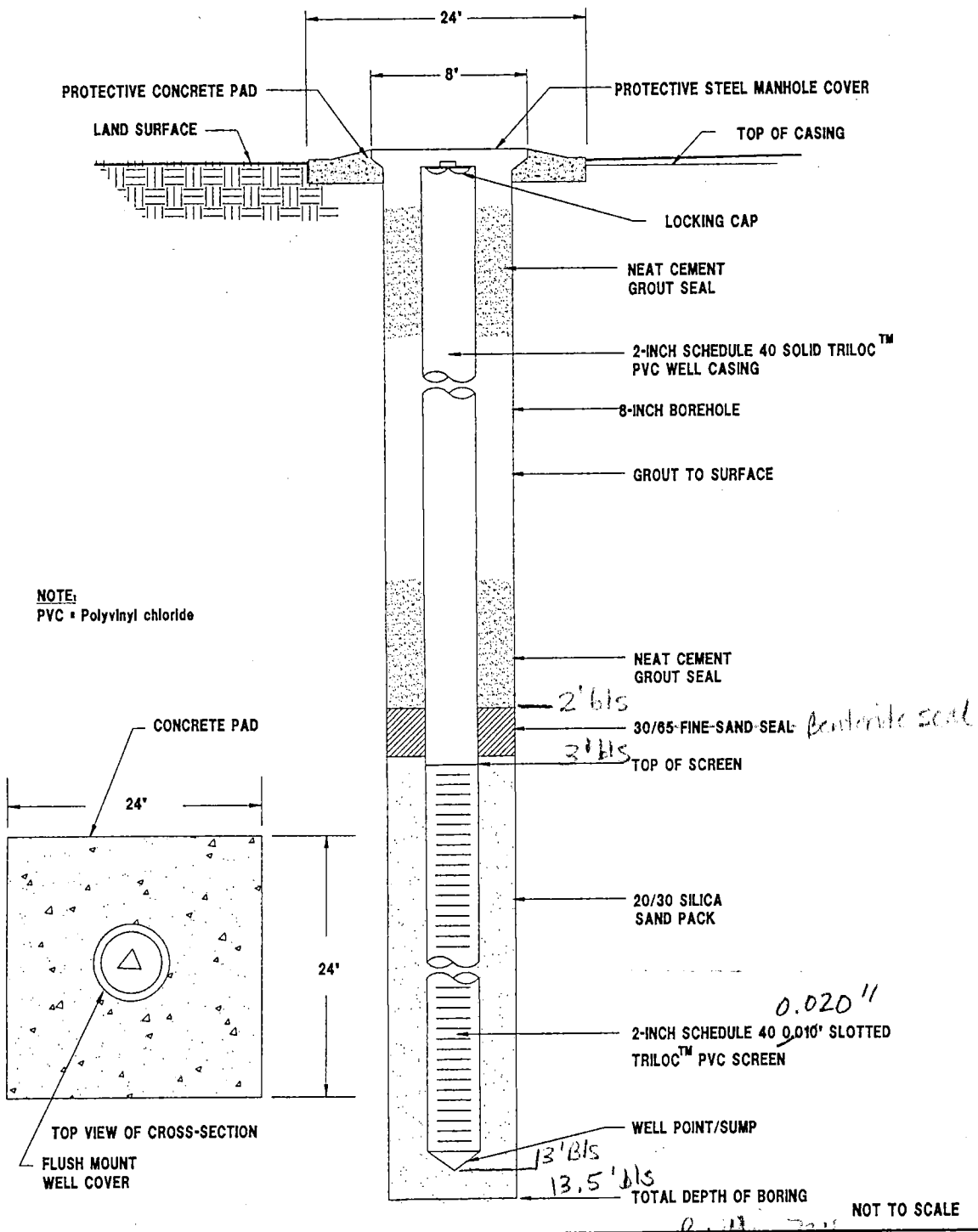
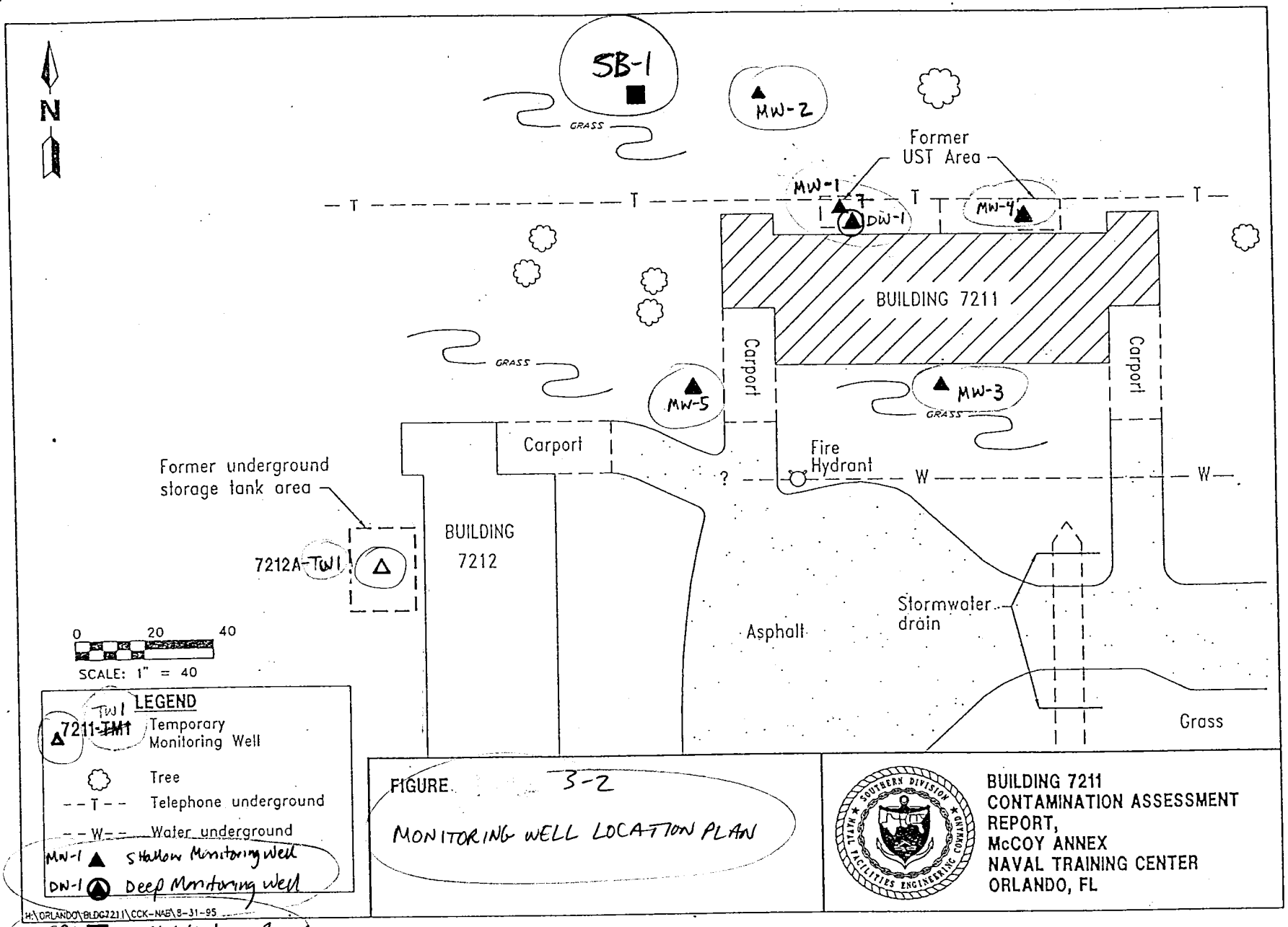


FIGURE 4-1
TYPICAL SHALLOW MONITORING WELL CONSTRUCTION DETAIL

CONTAMINATION ASSESSMENT REPORT,
~~MCCOY ANNEX~~ McCoy Annex
NAVAL TRAINING CENTER
ORLANDO, FLORIDA

H:\ORLANDO\WELL\NAB-JNX-NAB\11-21-95



* Red marks or circles denote items added or altered.

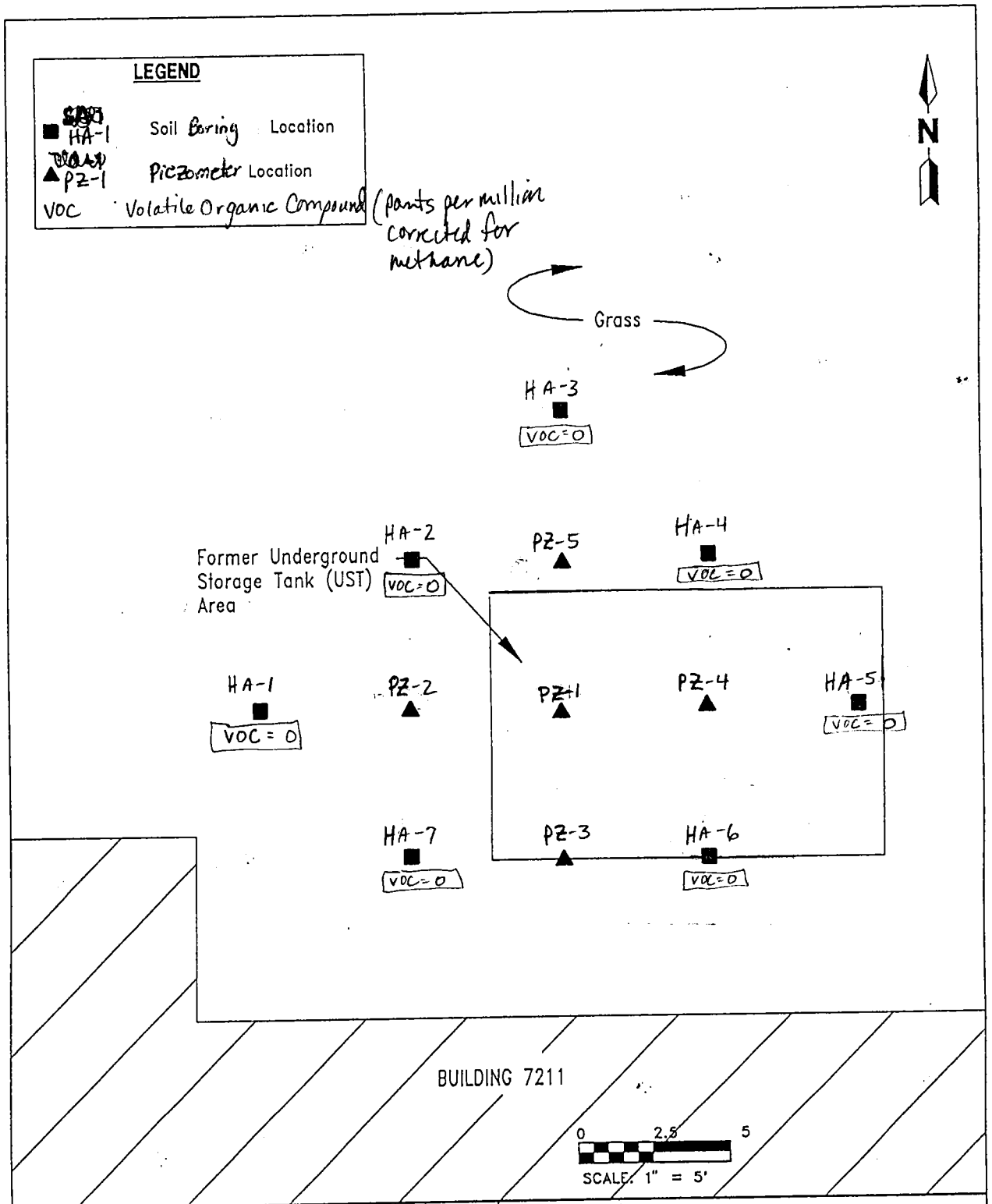


FIGURE 3-1 Soil Boring and piezometer Location Plan

September 1996

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BUILDING 7211
CONTAMINATION ASSESSMENT REPORT,
McCOY ANNEX
NAVAL TRAINING CENTER
ORLANDO, FLORIDA

No, [illegible] completely new features, used as template.

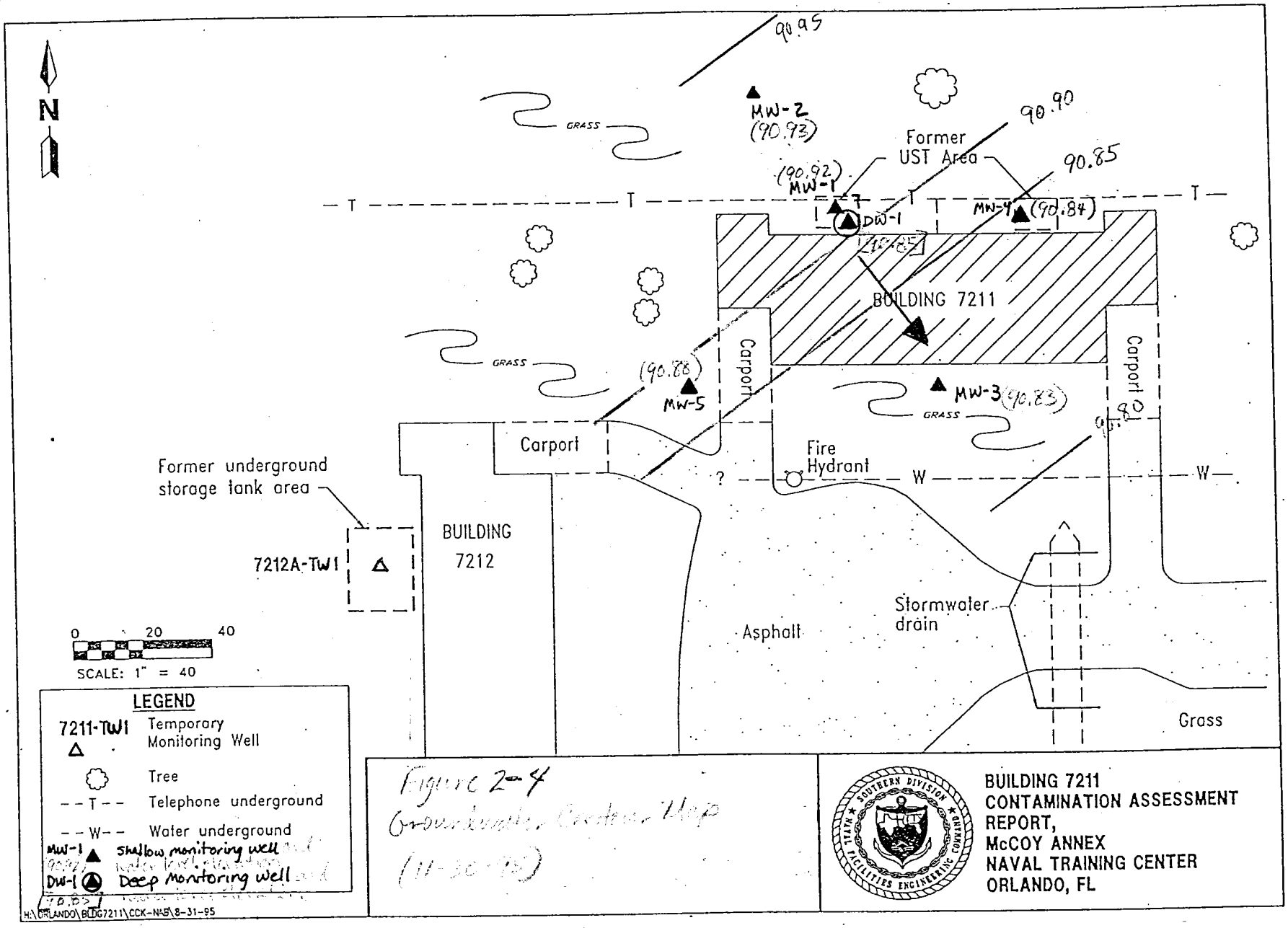

Figure 2-4
Groundwater Contour Map
(11-30-95)

BUILDING 7211
CONTAMINATION ASSESSMENT
REPORT,
McCOY ANNEX
NAVAL TRAINING CENTER
ORLANDO, FL

90.90 – Contour line

Direction of groundwater flow

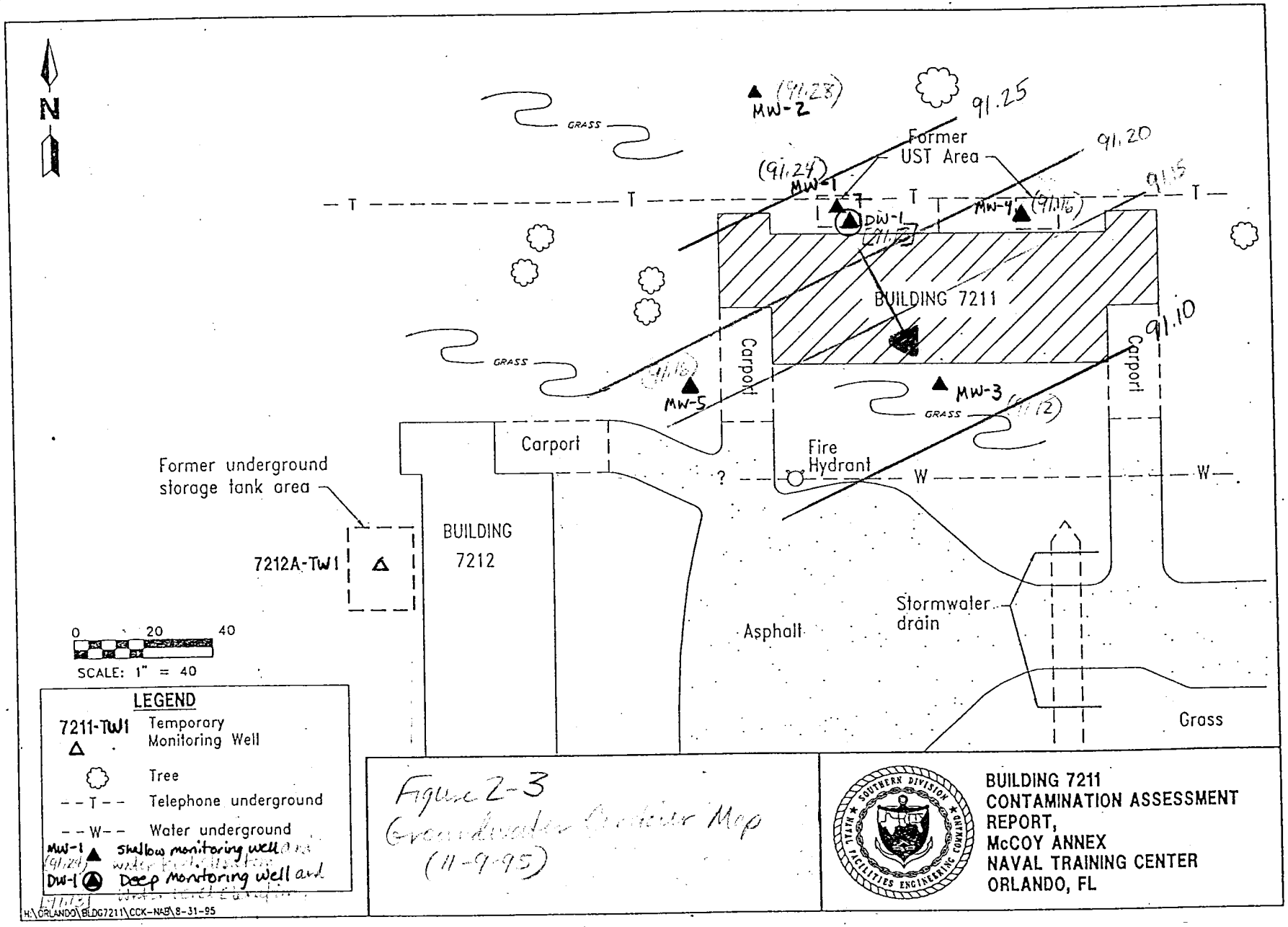

Figure 2-3
Groundwater Contour Map
(11-9-95)

BUILDING 7211
CONTAMINATION ASSESSMENT REPORT,
McCOY ANNEX
NAVAL TRAINING CENTER
ORLANDO, FL

— 91.20 - Contour Line

→ Direction of groundwater flow

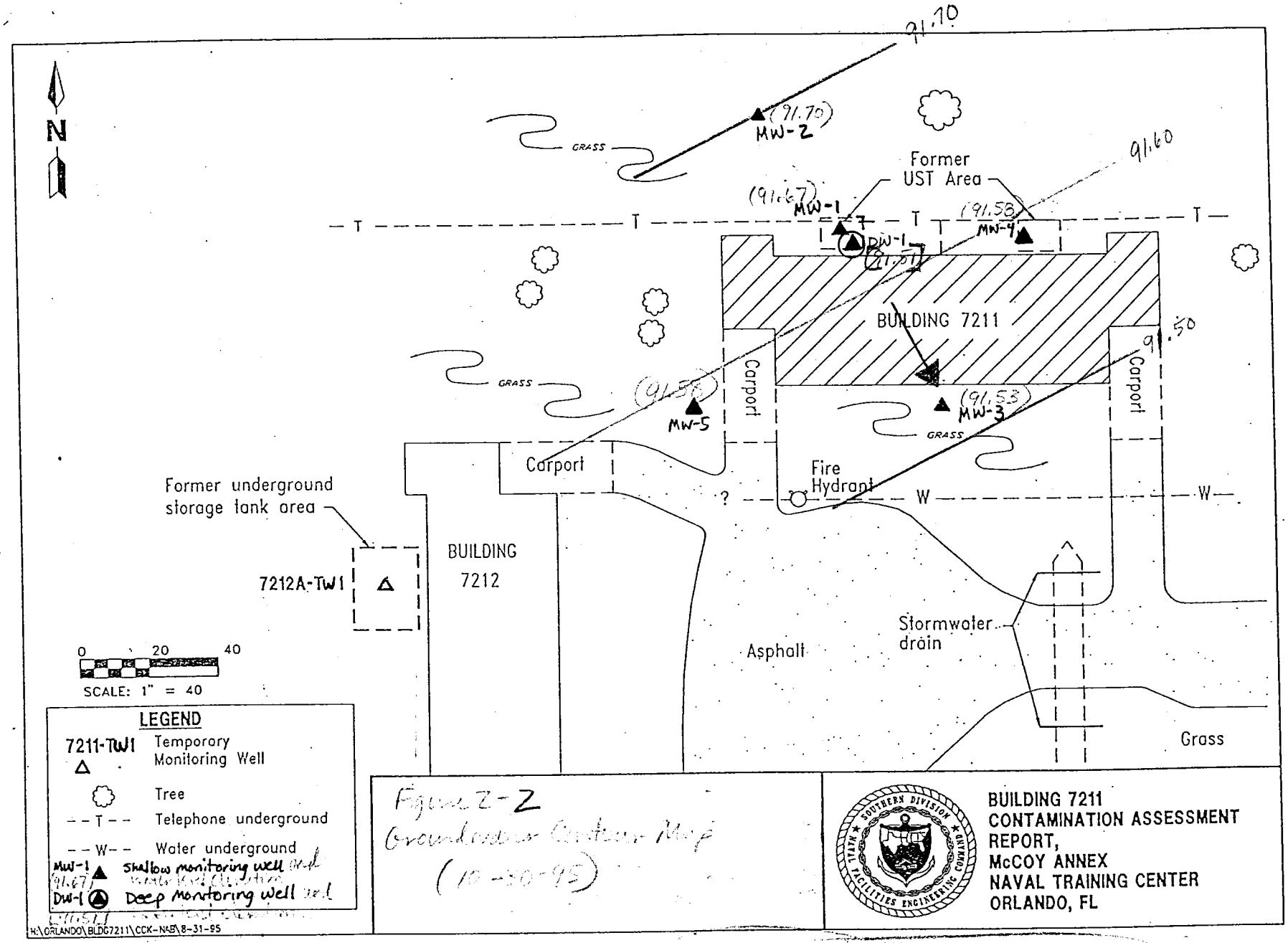

Figure 2-2
Groundwater Contour Map
(10-30-95)

BUILDING 7211
CONTAMINATION ASSESSMENT
REPORT,
McCOY ANNEX
NAVAL TRAINING CENTER
ORLANDO, FL

—91.60— Contour Line

→ Direction of groundwater flow

* USE FIG 3-2
AS BASE MAP
FOR 2-2 2-3 + 2-4

TITLE: FIGURE 2-1		LOG of WELL: NA	BORING NO. SB-1
CLIENT: NAVY			PROJECT NO: [illegible]
CONTRACTOR: Groundwater Protection, Inc.		DATE STARTED:	COMPLTD:
METHOD: 6.25" HSA	CASE SIZE: 2-inch NA	SCREEN INT.: NA	PROTECTION LEVEL: D
TOC ELEV.: NA	MONITOR INST.: OVA	TOT DPTH: FT. 40/T	DPTH TO ∇ FT.
LOGGED BY: SCOTT DONELICK	WELL DEVELOPMENT DATE: NA		SITE: BLDG 7211

DEPTH FT.	LABORATORY SAMPLE ID.	SAMPLE	RECOVERY	HEADSPACE (ppm)	SOIL/ROCK DESCRIPTION AND COMMENTS	LITHOLOGIC SYMBOL	SOIL CLASS	BLOWS/8-IN	WELL DATA
					SAND, very fine-grained, well sorted, light gray to tan, dry				
5					AS Above, saturated at 5.0 feet bls				∇
10									
15								12/10/14/10	
20								4/5/6/7	
25								7/4/9/8	
30					SAND, very fine-grained, well sorted, tan, saturated			5/5/6/7	
35					SILTY SAND, fine grained, moderately sorted, tan, saturated			3/3/5/5	
40					SILTY CLAY, moderately plastic, grey, moist. 41 42			3/3/6/8	
45									

ABB ENVIRONMENTAL SERVICES, INC.

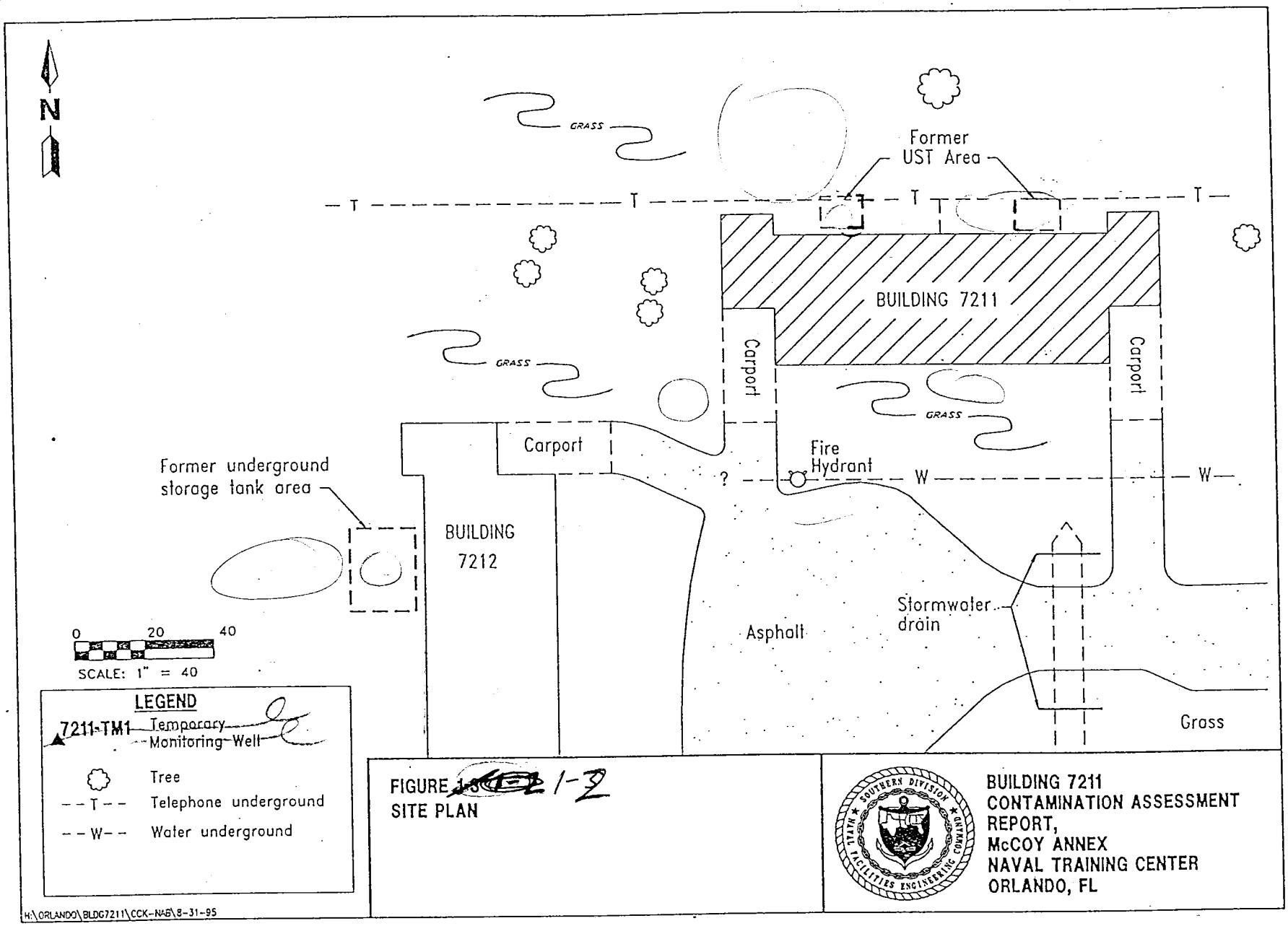

FIGURE ~~1-3~~ 1-2
SITE PLAN

BUILDING 7211
CONTAMINATION ASSESSMENT
REPORT,
McCOY ANNEX
NAVAL TRAINING CENTER
ORLANDO, FL

* Wells removed from original map
- thus removed are circled

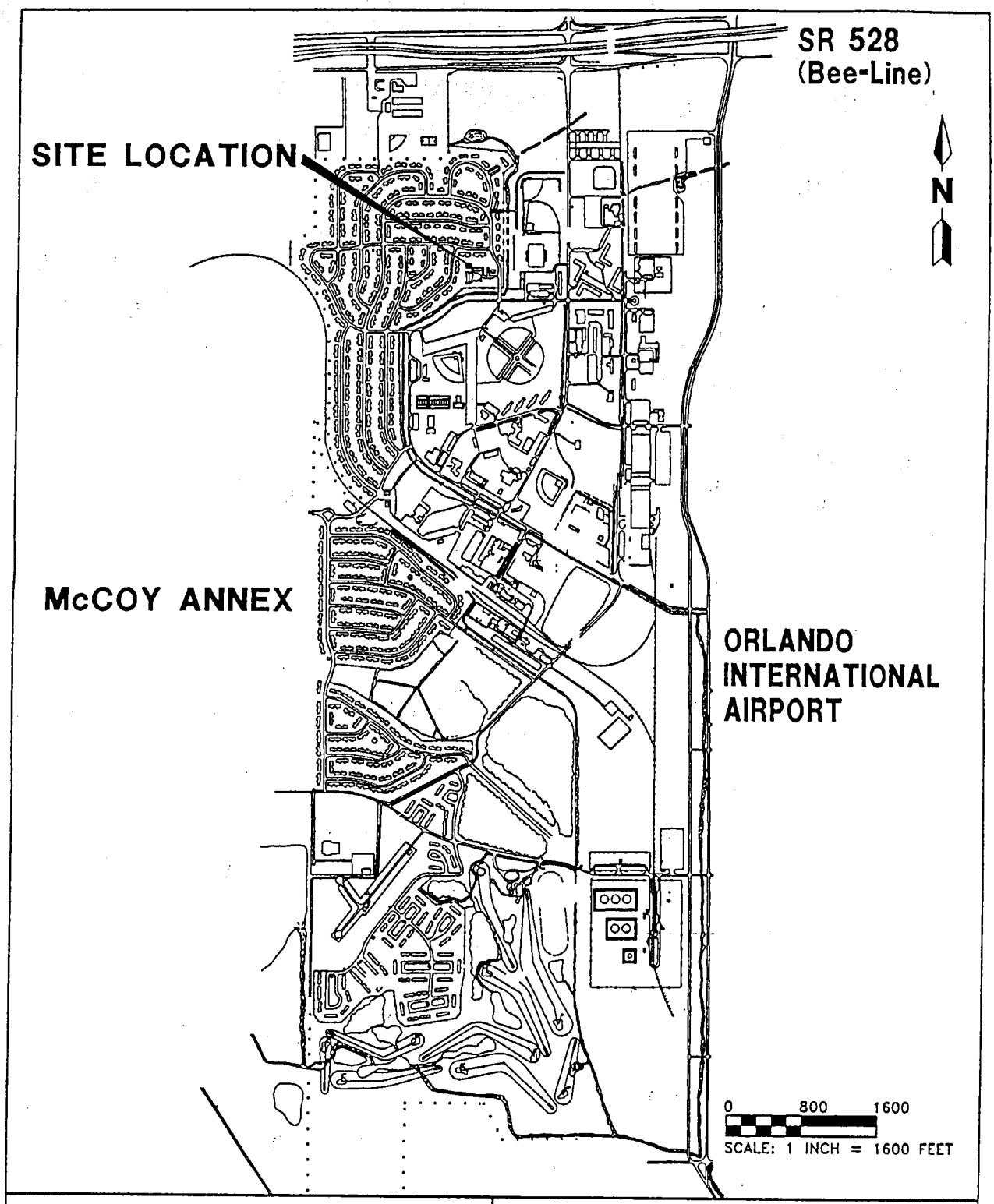

FIGURE 1-1
SITE VICINITY MAP

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~~TANK CLOSURE REPORT~~
BASE REALIGNMENT AND CLOSURE
TANK MANAGEMENT PLAN
BUILDING NO. 7211A
NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Building 7211
CONTAMINATION ASSESSMENT
REPORT

Table 2-1
Summary of Lithologic Soil Boring Data,
199

Contamination Assessment Report Addendum

Florida

Soil Boring Designation	Sample Depth (feet bls)	Unfiltered OVA Reading[1] (ppm)	Physical Observations

[1]Filtered readings were not taken due to the very low volatile concentrations encountered at the sites.

Notes: bls = below land surface.
OVA = organic vapor analyzer.
ppm = parts per million.

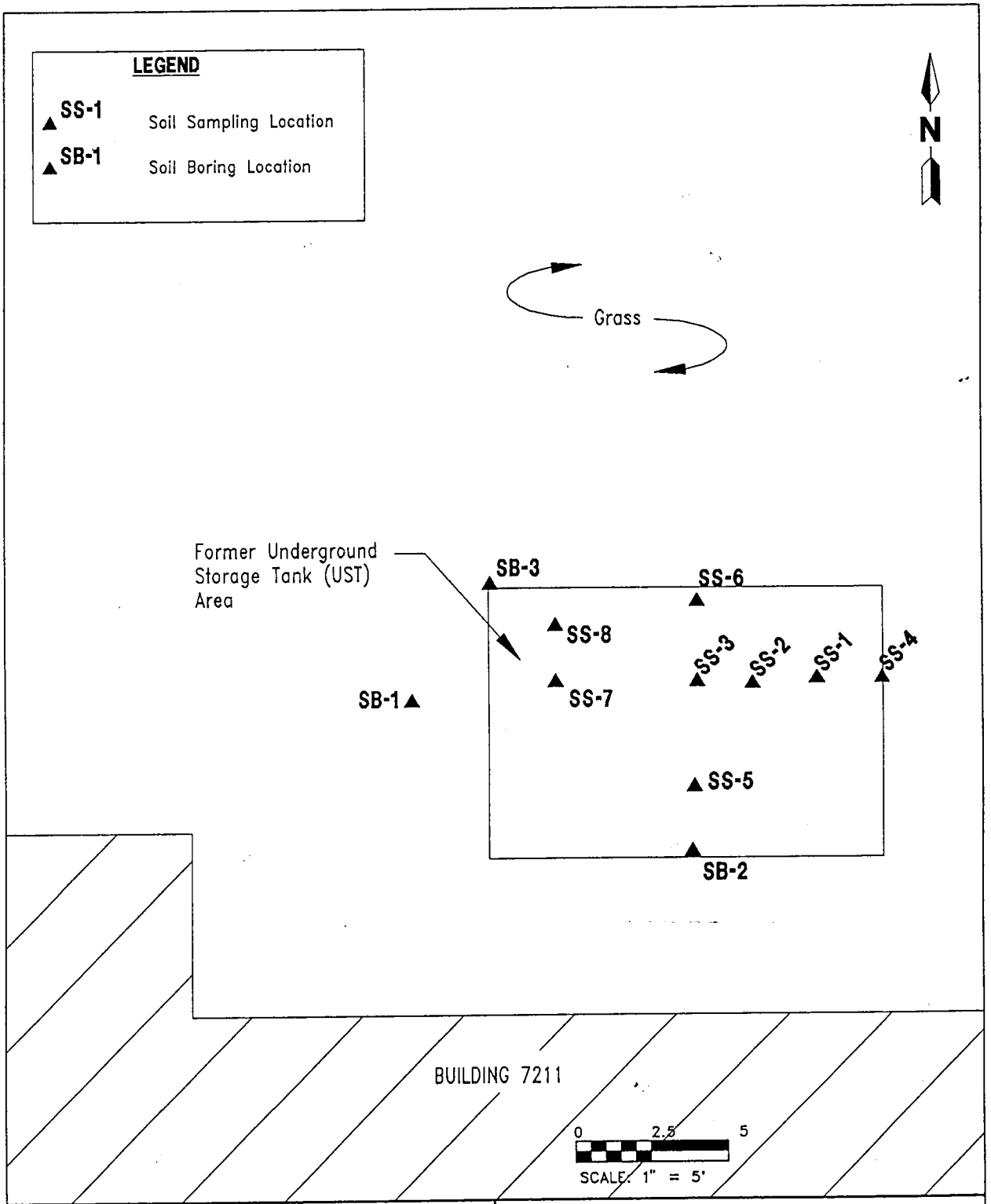

FIGURE 3-1

Plan

BUILDING 7211
CONTAMINATION ASSESSMENT REPORT,
McCOY ANNEX
NAVAL TRAINING CENTER
ORLANDO, FLORIDA

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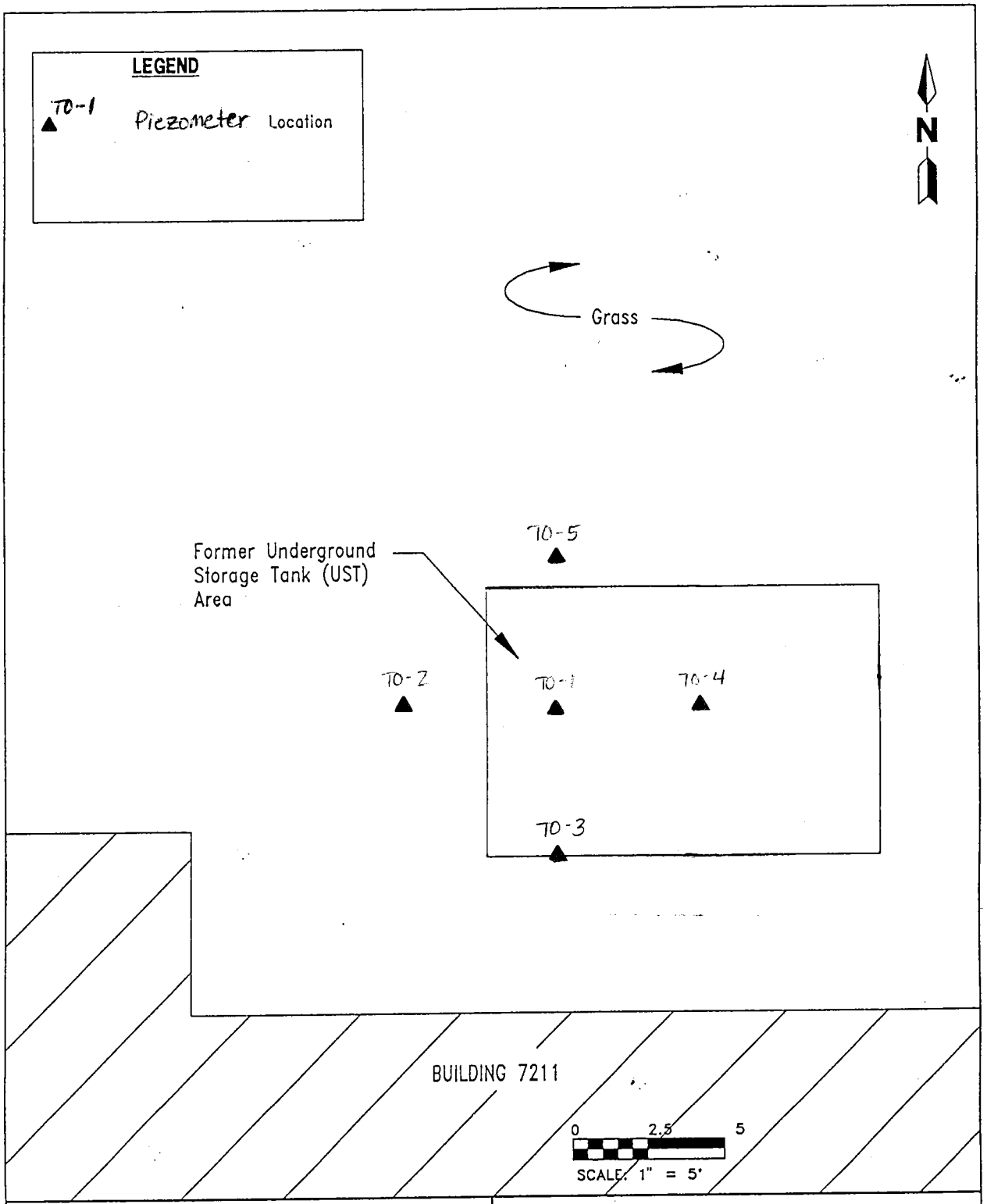

FIGURE

BUILDING 7211
CONTAMINATION ASSESSMENT REPORT,
McCOY ANNEX
NAVAL TRAINING CENTER
ORLANDO, FLORIDA

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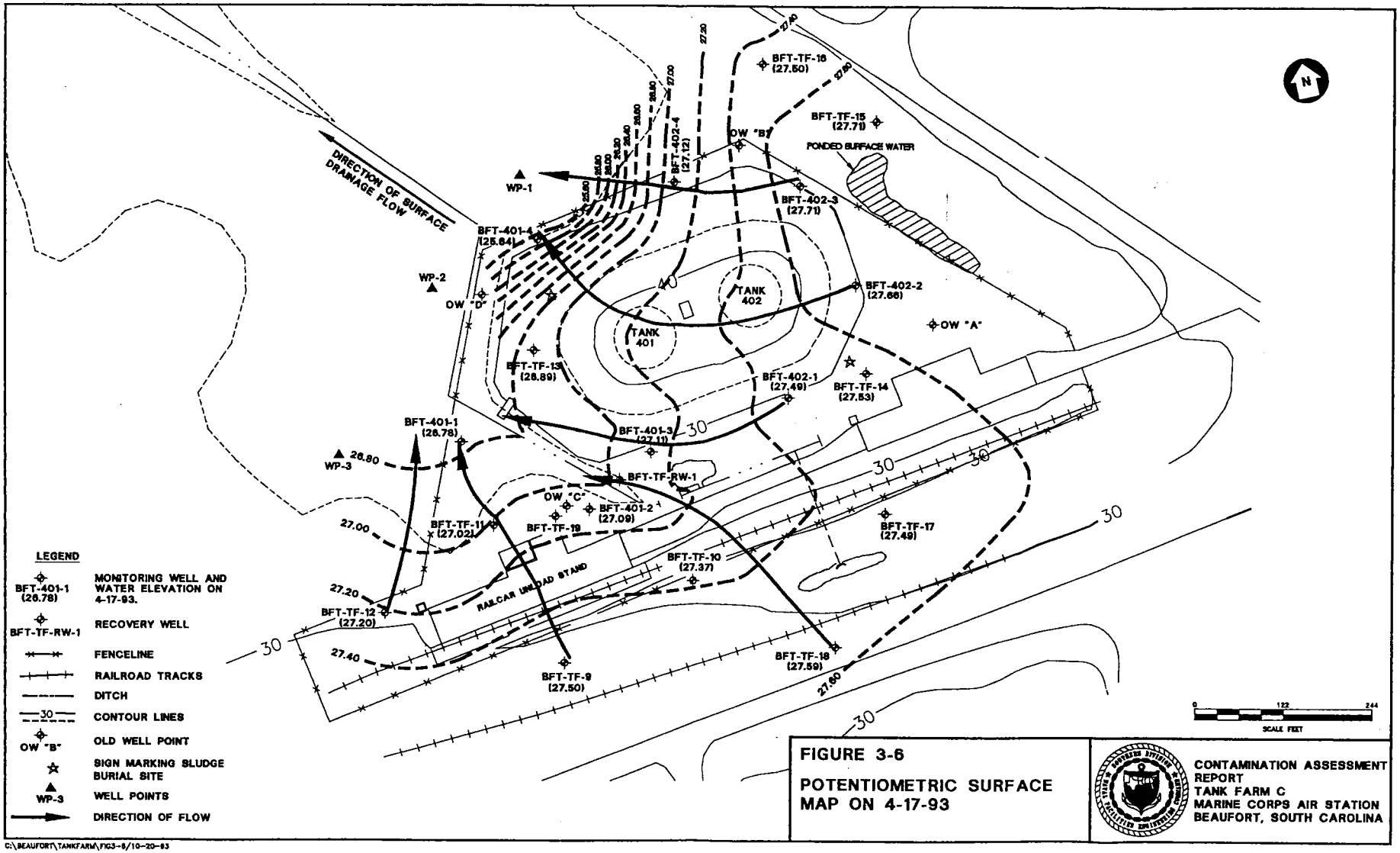
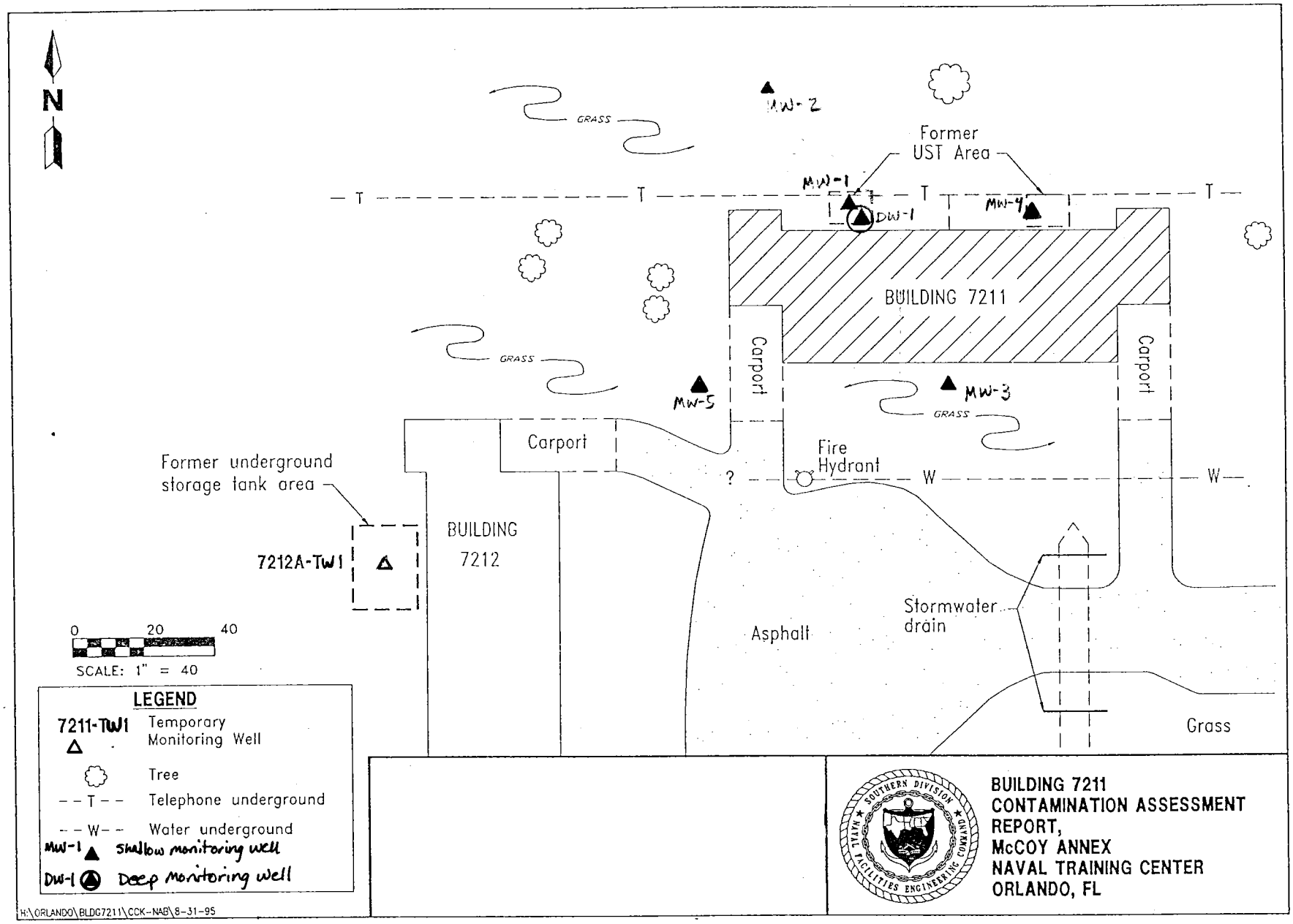


FIGURE 3-6

POTENTIOMETRIC SURFACE MAP ON 4-17-93

CONTAMINATION ASSESSMENT REPORT
TANK FARM C
MARINE CORPS AIR STATION
BEAUFORT, SOUTH CAROLINA

G:\BEAUFORT\TANKFARM\FIG3-6/10-20-93



BUILDING 7211
CONTAMINATION ASSESSMENT
REPORT,
McCOY ANNEX
NAVAL TRAINING CENTER
ORLANDO, FL

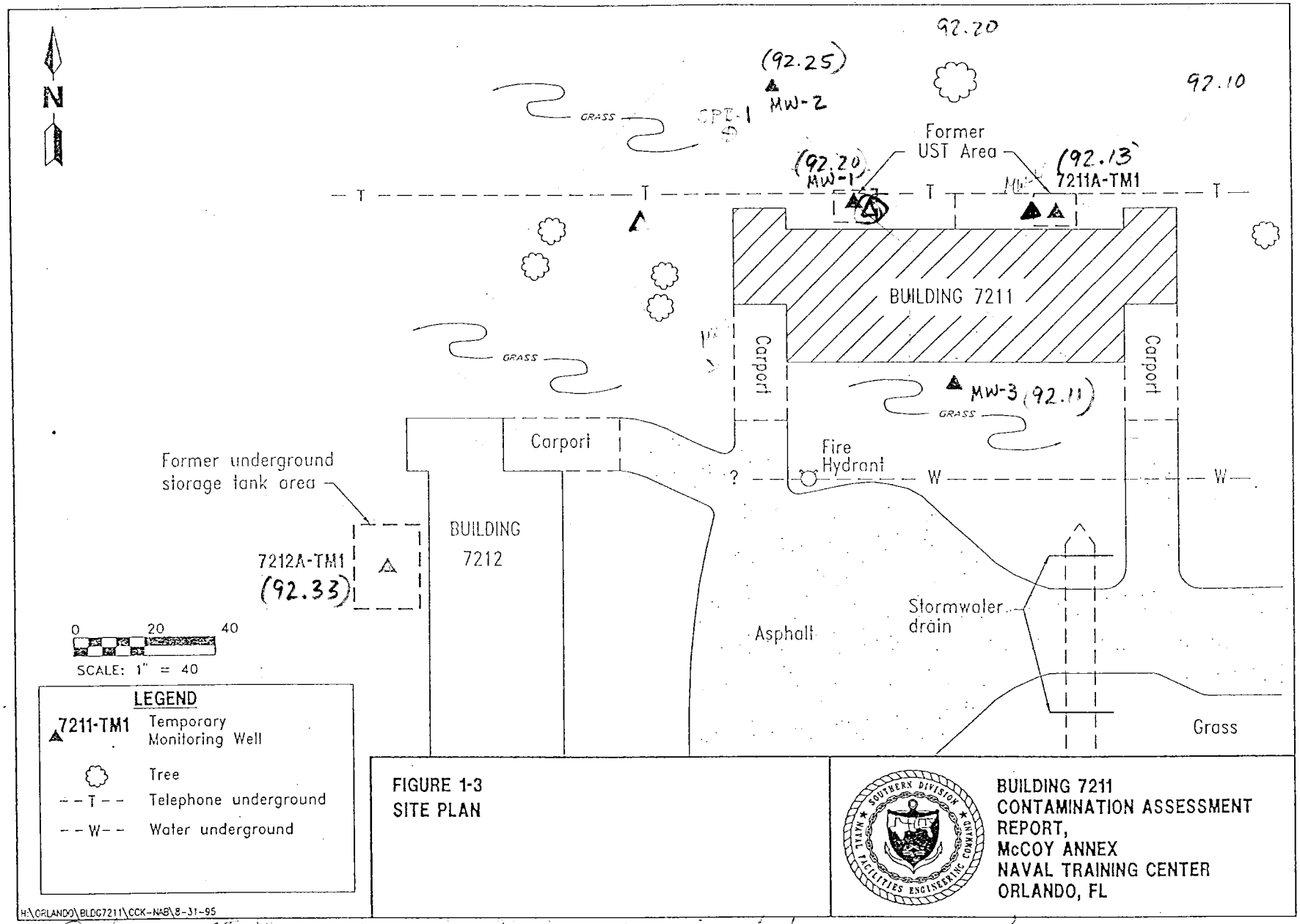


FIGURE 1-3
SITE PLAN

BUILDING 7211
CONTAMINATION ASSESSMENT
REPORT,
McCOY ANNEX
NAVAL TRAINING CENTER
ORLANDO, FL

Deep M.W.

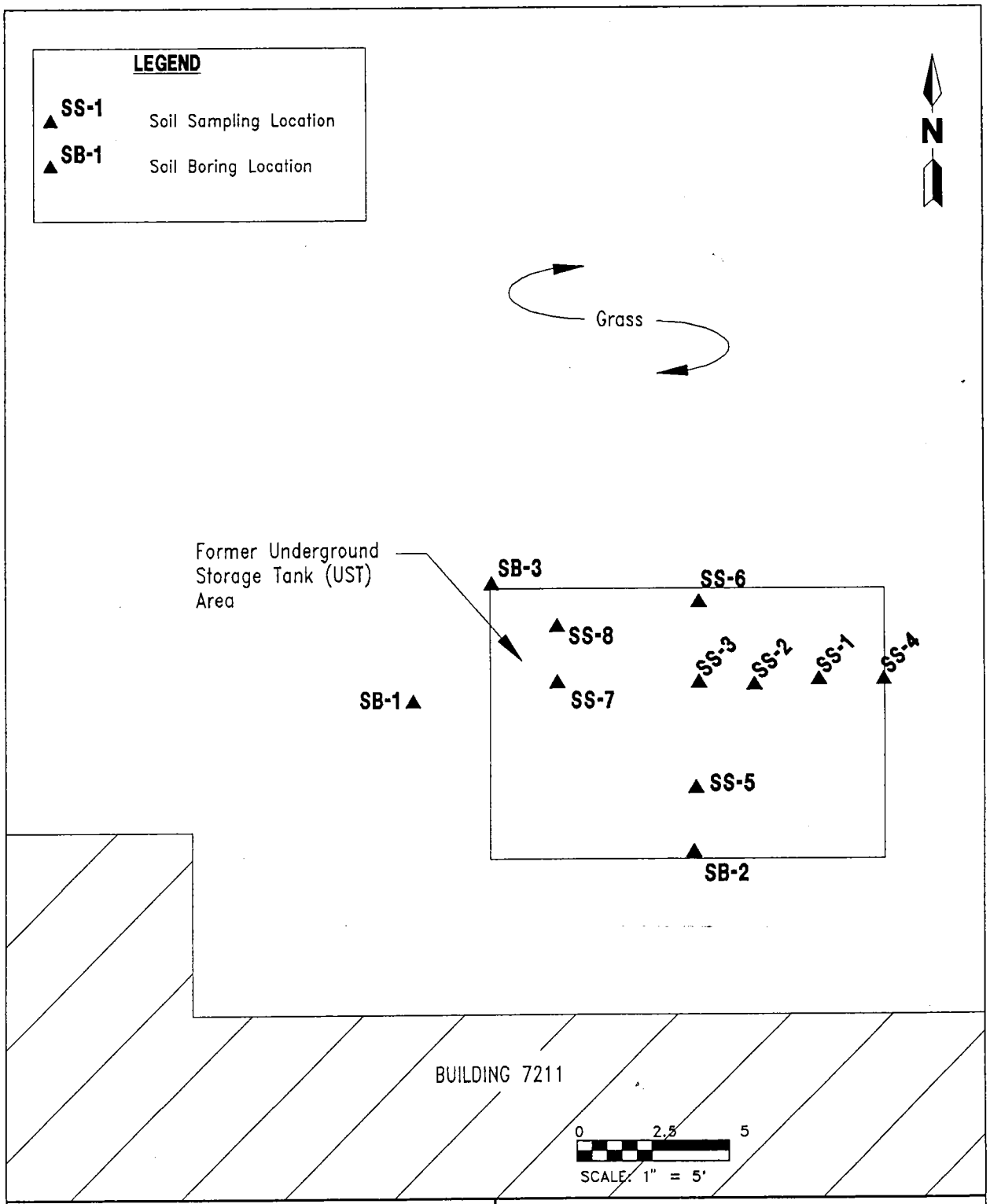


FIGURE 3-1
SOIL BORING LOCATION PLAN

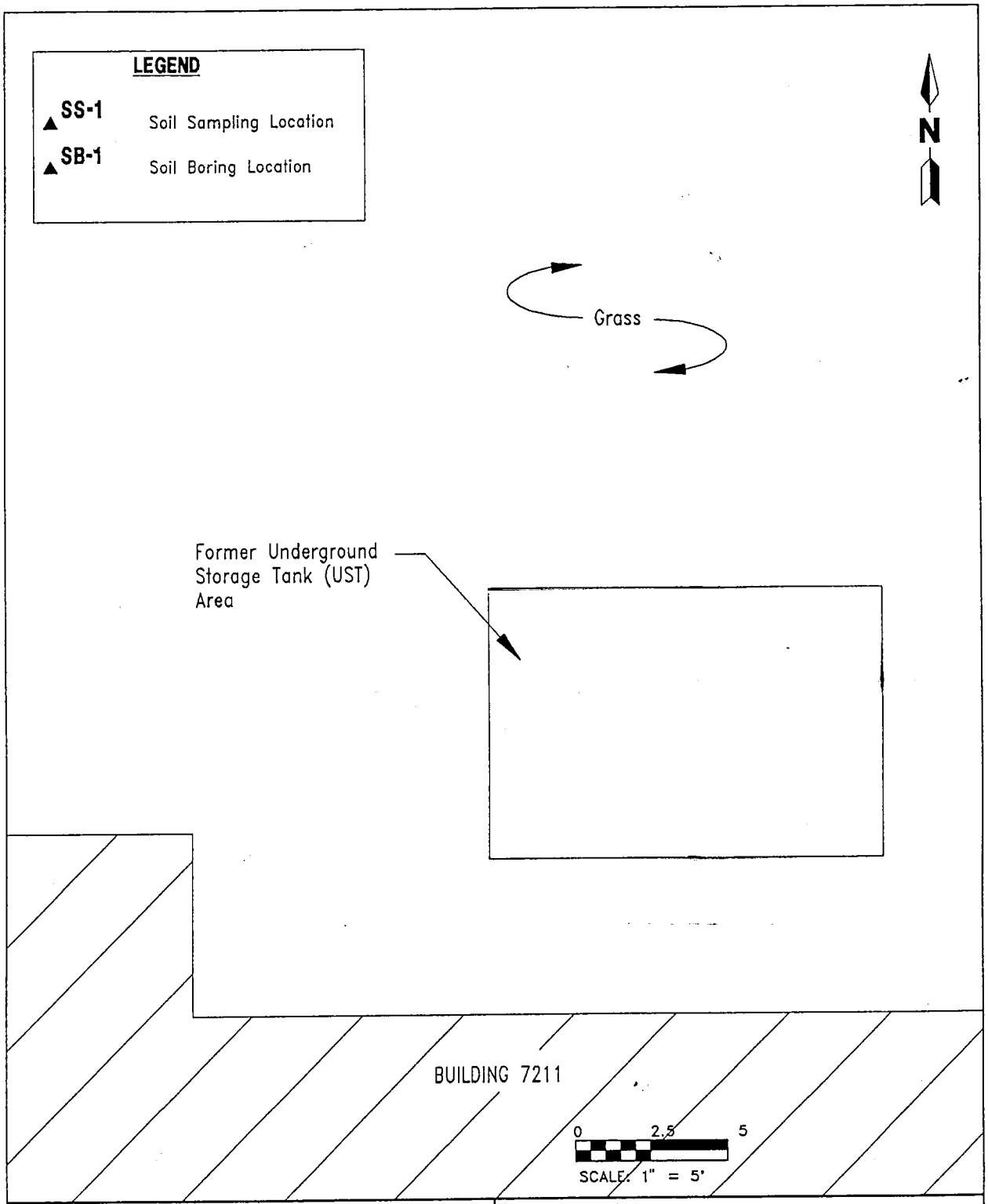
BUILDING 7211
CONTAMINATION ASSESSMENT REPORT,
McCOY ANNEX
NAVAL TRAINING CENTER
ORLANDO, FLORIDA

H:\ORLANDO\BLDG7211\NAB\09-11-95

PROJECT	COMP. BY	JOB NO.
TABLE 2-2 GROUNDWATER ELEVATION SUMMARY	CHK. BY	DATE

WELL NUMBER	DATE	DEPTH TO PRODUCT (ft btoc)	DEPTH TO WATER (ft btoc)	PRODUCT THICKNESS (feet)	TOP OF CASING ELEVATION (ft MSL)	WATER LEVEL ELEVATION (ft MSL) *
MW-1	10-30-95	--	5.80	--	97.47	91.67
	11-9-95	--	6.23	--		91.24
	11-30-95	--	6.55	--		90.92
MW-2	10-30-95	--	5.34	--	97.04	91.70
	11-9-95	--	5.76	--		91.28
	11-30-95	--	6.11	--		90.93
MW-3	10-30-95	--	6.26	--	97.79	91.53
	11-9-95	--	6.67	--		91.12
	11-30-95	--	6.96	--		90.83
MW-4	10-30-95	--	5.77	--	97.35	91.58
	11-9-95	--	6.19	--		91.16
	11-30-95	--	6.51	--		90.84
MW-5	10-30-95	--	5.75	--	97.33	91.58
	11-9-95	--	6.17	--		91.16
	11-30-95	--	6.45	--		90.88
DW-1	10-30-95	--	5.77	--	97.28	91.51
	11-9-95	--	6.15	--		91.13
	11-30-95	--	6.43	--		90.85

* Referenced to an arbitrary datum.



FIGURE

BUILDING 7211
CONTAMINATION ASSESSMENT REPORT,
McCOY ANNEX
NAVAL TRAINING CENTER
ORLANDO, FLORIDA

H:\ORLANDO\BLDG7211\NAB\09-11-95

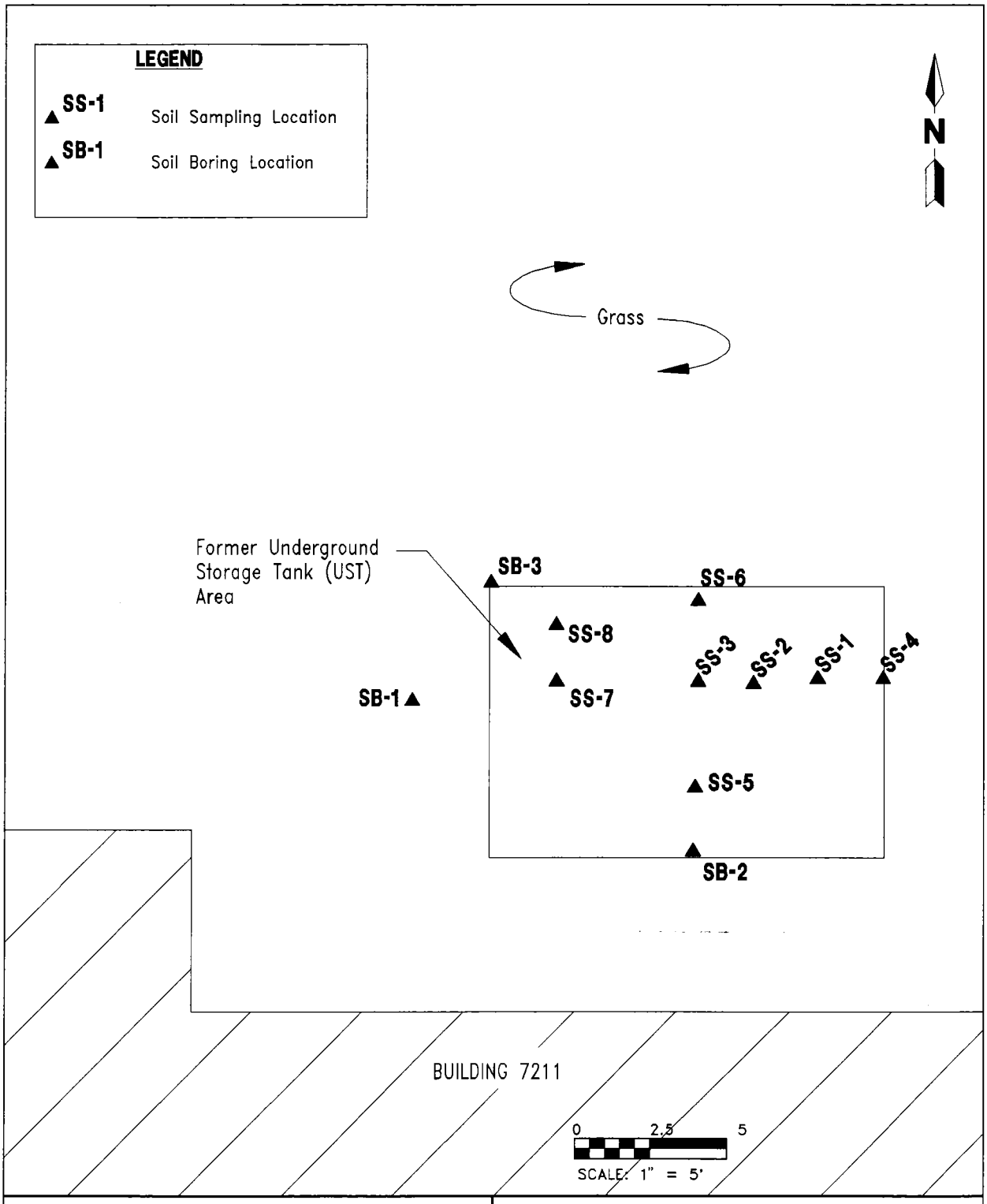


FIGURE 3-1
SOIL BORING LOCATION PLAN

BUILDING 7211
CONTAMINATION ASSESSMENT REPORT,
McCOY ANNEX
NAVAL TRAINING CENTER
ORLANDO, FLORIDA

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Table 2-1
Summary of Lithologic Soil Boring Data,
199

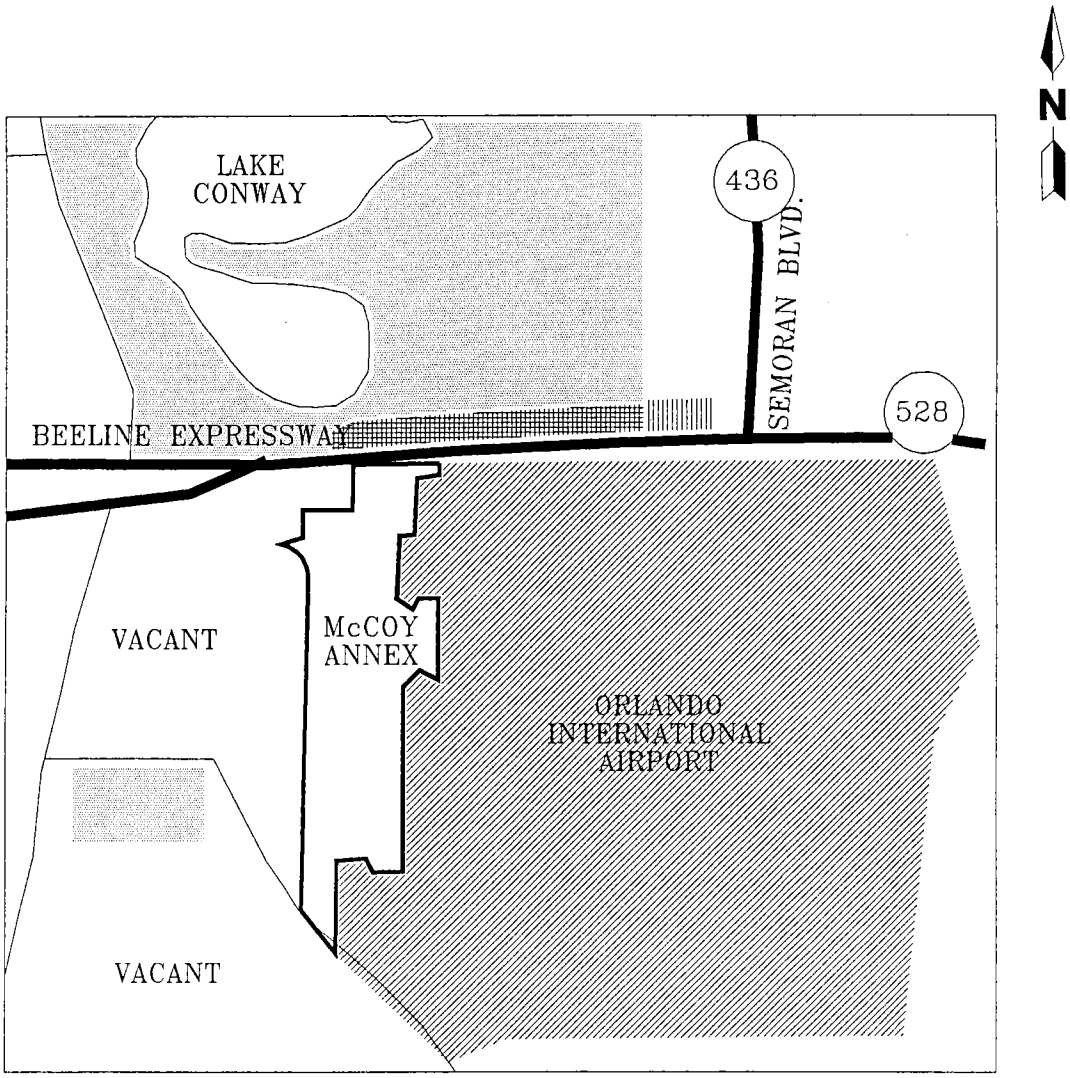
Contamination Assessment Report Addendum

Florida

Soil Boring Designation	Sample Depth (feet bls)	Unfiltered OVA Reading[1] (ppm)	Physical Observations

[1]Filtered readings were not taken due to the very low volatile concentrations encountered at the sites.

Notes: bls = below land surface.
OVA = organic vapor analyzer.
ppm = parts per million.



SOURCE: NAVAL COMPLEX ORLANDO, FLORIDA 1985 MASTER PLAN UPDATE. SOUTH DIV. NAV. FAC. ENG. COM.

LEGEND

VACANT	COMMERCIAL	NAVAL FACILITIES
INDUSTRIAL	RESIDENTIAL	ORLANDO INTL. AIRPORT

0 .5 1 MILE

SCALE: 1" = 1 MILE

FIGURE ~~2-1~~ 1-2
~~SURROUNDING LAND USE AT McCOY ANNEX~~

H:\9585\172400\GLC-JMK-NAB\11-21-95

CONTAMINATION ASSESSMENT REPORT
McCOY ANNEX PROPERTY

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

SE1000C
Environmental Logger
10/30 14:58

Unit# 01596 Test 1

Setups:	INPUT 1
Type	Level (F)
Mode	Surface
I.D.	00091
Reference	0.000
Linearity	-0.010
Scale factor	30.020
Offset	-0.050
Delay mSEC	50.000

Step 1 10/30 12:25:36

Elapsed Time	INPUT 1
0.0000	-1.598
0.0033	-1.939
0.0066	-1.835
0.0100	-1.797
0.0133	-1.759
0.0166	-1.731
0.0200	-1.693
0.0233	-1.664
0.0266	-1.645
0.0300	-1.617
0.0333	-1.589
0.0366	-1.570
0.0400	-1.541
0.0433	-1.522
0.0466	-1.485
0.0500	-1.485
0.0533	-1.456
0.0566	-1.437
0.0600	-1.418
0.0633	-1.400
0.0666	-1.390
0.0700	-1.362
0.0733	-1.352
0.0766	-1.333
0.0800	-1.314
0.0833	-1.295
0.0866	-1.286
0.0900	-1.267
0.0933	-1.248

DW 1 Slug Out

0.0966	-1.239
0.1000	-1.220
0.1033	-1.210
0.1066	-1.191
0.1100	-1.182
0.1133	-1.163
0.1166	-1.154
0.1200	-1.135
0.1233	-1.125
0.1266	-1.106
0.1300	-1.097
0.1333	-1.087
0.1366	-1.068
0.1400	-1.059
0.1433	-1.049
0.1466	-1.031
0.1500	-1.021
0.1533	-1.012
0.1566	-1.002
0.1600	-0.983
0.1633	-0.974
0.1666	-0.964
0.1700	-0.955
0.1733	-0.936
0.1766	-0.927
0.1800	-0.917
0.1833	-0.908
0.1866	-0.898
0.1900	-0.889
0.1933	-0.879
0.1966	-0.870
0.2000	-0.860
0.2033	-0.851
0.2066	-0.841
0.2100	-0.832
0.2133	-0.823
0.2166	-0.813
0.2200	-0.804
0.2233	-0.794
0.2266	-0.785
0.2300	-0.775
0.2333	-0.766
0.2366	-0.756
0.2400	-0.747
0.2433	-0.737
0.2466	-0.728
0.2500	-0.728
0.2533	-0.718
0.2566	-0.709
0.2600	-0.699
0.2633	-0.690
0.2666	-0.681

DW 1 Slug Out

0.2700	-0.671
0.2733	-0.671
0.2766	-0.662
0.2800	-0.652
0.2833	-0.643
0.2866	-0.643
0.2900	-0.633
0.2933	-0.624
0.2966	-0.614
0.3000	-0.614
0.3033	-0.605
0.3066	-0.595
0.3100	-0.586
0.3133	-0.586
0.3166	-0.577
0.3200	-0.567
0.3233	-0.567
0.3266	-0.558
0.3300	-0.548
0.3333	-0.548
0.3500	-0.510
0.3666	-0.482
0.3833	-0.454
0.4000	-0.425
0.4166	-0.397
0.4333	-0.378
0.4500	-0.350
0.4666	-0.331
0.4833	-0.312
0.5000	-0.293
0.5166	-0.274
0.5333	-0.264
0.5500	-0.245
0.5666	-0.236
0.5833	-0.217
0.6000	-0.208
0.6166	-0.198
0.6333	-0.179
0.6500	-0.170
0.6666	-0.160
0.6833	-0.151
0.7000	-0.141
0.7166	-0.132
0.7333	-0.123
0.7500	-0.113
0.7666	-0.113
0.7833	-0.104
0.8000	-0.094
0.8166	-0.094
0.8333	-0.085
0.8500	-0.085
0.8666	-0.075

DW 1 Slug Out

0.8833	-0.075
0.9000	-0.066
0.9166	-0.066
0.9333	-0.056
0.9500	-0.056
0.9666	-0.056
0.9833	-0.047
1.0000	-0.047
1.2000	0.000
1.4000	0.009
1.6000	0.009
1.8000	0.009
2.0000	0.009
2.2000	0.009
2.4000	0.009
2.6000	0.018
2.8000	0.018
3.0000	0.018
3.2000	0.018
3.4000	0.018
3.6000	0.018
3.8000	0.018
4.0000	0.018
4.2000	0.018
4.4000	0.018
4.6000	0.018
4.8000	0.018
5.0000	0.018
5.2000	0.018
5.4000	0.018
5.6000	0.018
5.8000	0.018
6.0000	0.018
6.2000	0.018
6.4000	0.018
6.6000	0.018
6.8000	0.018
7.0000	0.018
7.2000	0.018
7.4000	0.018
7.6000	0.018
7.8000	0.018
8.0000	0.018
8.2000	0.018
8.4000	0.018
8.6000	0.018
8.8000	0.018
9.0000	0.018
9.2000	0.018
9.4000	0.018
9.6000	0.018
9.8000	0.018

DW 1 Slug Out

10.0000	0.018
12.0000	-0.009

DW 1 Slug Out

SE1000C
Environmental Logger
10/30 15:01

Unit# 01596 Test 2

Setups:	INPUT 1
Type	Level (F)
Mode	Surface
I.D.	00002
Reference	0.000
Linearity	-0.010
Scale factor	30.020
Offset	-0.050
Delay mSEC	50.000

Step 0 10/30 13:09:53

Elapsed Time	INPUT 1
0.0000	-1.305
0.0033	-1.494
0.0066	-1.513
0.0100	-1.466
0.0133	-1.447
0.0166	-1.409
0.0200	-1.381
0.0233	-1.352
0.0266	-1.333
0.0300	-1.305
0.0333	-1.267
0.0366	-1.239
0.0400	-1.220
0.0433	-1.192
0.0466	-1.173
0.0500	-1.144
0.0533	-1.125
0.0566	-1.097
0.0600	-1.078
0.0633	-1.059
0.0666	-1.040
0.0700	-1.012
0.0733	-0.993
0.0766	-0.974
0.0800	-0.955
0.0833	-0.936
0.0866	-0.917
0.0900	-0.898
0.0933	-0.879

MW 3 Slug Out

0.0966	-0.860
0.1000	-0.841
0.1033	-0.823
0.1066	-0.813
0.1100	-0.794
0.1133	-0.775
0.1166	-0.766
0.1200	-0.747
0.1233	-0.728
0.1266	-0.718
0.1300	-0.700
0.1333	-0.681
0.1366	-0.671
0.1400	-0.652
0.1433	-0.643
0.1466	-0.633
0.1500	-0.614
0.1533	-0.605
0.1566	-0.596
0.1600	-0.586
0.1633	-0.567
0.1666	-0.558
0.1700	-0.548
0.1733	-0.539
0.1766	-0.529
0.1800	-0.520
0.1833	-0.510
0.1866	-0.491
0.1900	-0.491
0.1933	-0.482
0.1966	-0.463
0.2000	-0.463
0.2033	-0.454
0.2066	-0.444
0.2100	-0.435
0.2133	-0.425
0.2166	-0.416
0.2200	-0.416
0.2233	-0.406
0.2266	-0.397
0.2300	-0.387
0.2333	-0.387
0.2366	-0.378
0.2400	-0.368
0.2433	-0.368
0.2466	-0.359
0.2500	-0.359
0.2533	-0.350
0.2566	-0.350
0.2600	-0.340
0.2633	-0.331
0.2666	-0.331

MW 3 Slug Out

0.2700	-0.321
0.2733	-0.321
0.2766	-0.312
0.2800	-0.312
0.2833	-0.302
0.2866	-0.302
0.2900	-0.293
0.2933	-0.293
0.2966	-0.293
0.3000	-0.283
0.3033	-0.283
0.3066	-0.274
0.3100	-0.274
0.3133	-0.274
0.3166	-0.264
0.3200	-0.264
0.3233	-0.264
0.3266	-0.255
0.3300	-0.255
0.3333	-0.255
0.3500	-0.236
0.3666	-0.217
0.3833	-0.208
0.4000	-0.198
0.4166	-0.189
0.4333	-0.179
0.4500	-0.170
0.4666	-0.160
0.4833	-0.151
0.5000	-0.151
0.5166	-0.141
0.5333	-0.141
0.5500	-0.132
0.5666	-0.123
0.5833	-0.123
0.6000	-0.113
0.6166	-0.113
0.6333	-0.113
0.6500	-0.104
0.6666	-0.104
0.6833	-0.104
0.7000	-0.094
0.7166	-0.094
0.7333	-0.094
0.7500	-0.085
0.7666	-0.085
0.7833	-0.085
0.8000	-0.085
0.8166	-0.075
0.8333	-0.075
0.8500	-0.075
0.8666	-0.075

MW 3 Slug Out

0.8833	-0.075
0.9000	-0.066
0.9166	-0.066
0.9333	-0.066
0.9500	-0.066
0.9666	-0.066
0.9833	-0.066
1.0000	-0.056
1.2000	-0.047
1.4000	-0.037
1.6000	-0.028
1.8000	-0.018
2.0000	-0.018
2.2000	-0.009
2.4000	-0.009
2.6000	0.000
2.8000	0.000
3.0000	0.000
3.2000	0.000
3.4000	0.000
3.6000	0.000
3.8000	0.000
4.0000	0.009
4.2000	0.009
4.4000	0.009
4.6000	0.009
4.8000	0.009
5.0000	0.009
5.2000	0.009
5.4000	0.009
5.6000	0.009
5.8000	0.009
6.0000	0.009
6.2000	0.000
6.4000	0.000
6.6000	0.000
6.8000	0.000
7.0000	0.000
7.2000	0.000
7.4000	0.000
7.6000	0.000
7.8000	0.000
8.0000	0.000
8.2000	-0.009
8.4000	0.000
8.6000	0.000
8.8000	0.009
9.0000	0.009
9.2000	0.009
9.4000	0.009
9.6000	0.009
9.8000	0.009

MW 3 Slug Out

10.0000	0.009
12.0000	-0.037

MW 3 Slug Out

SE1000C
Environmental Logger
10/30 14:55

Unit# 01596 Test 1

Setups:	INPUT 1
Type	Level (F)
Mode	Surface
I.D.	00091
Reference	0.000
Linearity	-0.010
Scale factor	30.020
Offset	-0.050
Delay mSEC	50.000

Step 0 10/30 12:12:54

Elapsed Time	INPUT 1
0.0000	0.898
0.0033	1.125
0.0066	0.851
0.0100	0.993
0.0133	0.974
0.0166	0.945
0.0200	0.936
0.0233	0.917
0.0266	0.908
0.0300	0.889
0.0333	0.879
0.0366	0.860
0.0400	0.851
0.0433	0.841
0.0466	0.823
0.0500	0.813
0.0533	0.794
0.0566	0.785
0.0600	0.775
0.0633	0.766
0.0666	0.756
0.0700	0.737
0.0733	0.728
0.0766	0.718
0.0800	0.709
0.0833	0.699
0.0866	0.690
0.0900	0.680
0.0933	0.671

DW 1 SLug In

0.0966	0.652
0.1000	0.643
0.1033	0.633
0.1066	0.624
0.1100	0.614
0.1133	0.605
0.1166	0.595
0.1200	0.595
0.1233	0.586
0.1266	0.576
0.1300	0.567
0.1333	0.558
0.1366	0.548
0.1400	0.539
0.1433	0.539
0.1466	0.529
0.1500	0.520
0.1533	0.510
0.1566	0.501
0.1600	0.491
0.1633	0.491
0.1666	0.472
0.1700	0.501
0.1733	0.472
0.1766	0.454
0.1800	0.463
0.1833	0.454
0.1866	0.435
0.1900	0.425
0.1933	0.416
0.1966	0.416
0.2000	0.406
0.2033	0.406
0.2066	0.397
0.2100	0.387
0.2133	0.387
0.2166	0.378
0.2200	0.368
0.2233	0.368
0.2266	0.359
0.2300	0.359
0.2333	0.349
0.2366	0.349
0.2400	0.340
0.2433	0.340
0.2466	0.331
0.2500	0.321
0.2533	0.312
0.2566	0.312
0.2600	0.302
0.2633	0.302
0.2666	0.302

DW 1 SLug In

0.2700	0.293
0.2733	0.283
0.2766	0.283
0.2800	0.283
0.2833	0.274
0.2866	0.274
0.2900	0.274
0.2933	0.255
0.2966	0.255
0.3000	0.245
0.3033	0.245
0.3066	0.245
0.3100	0.236
0.3133	0.236
0.3166	0.227
0.3200	0.227
0.3233	0.227
0.3266	0.217
0.3300	0.217
0.3333	0.217
0.3500	0.198
0.3666	0.189
0.3833	0.179
0.4000	0.170
0.4166	0.151
0.4333	0.141
0.4500	0.132
0.4666	0.132
0.4833	0.123
0.5000	0.113
0.5166	0.104
0.5333	0.094
0.5500	0.094
0.5666	0.085
0.5833	0.085
0.6000	0.075
0.6166	0.075
0.6333	0.066
0.6500	0.066
0.6666	0.056
0.6833	0.056
0.7000	0.056
0.7166	0.056
0.7333	0.056
0.7500	0.047
0.7666	0.047
0.7833	0.047
0.8000	0.037
0.8166	0.047
0.8333	0.037
0.8500	0.037
0.8666	0.000

DW 1 SLug In

0.8833	0.037
0.9000	0.037
0.9166	0.037
0.9333	0.037
0.9500	0.037
0.9666	0.037
0.9833	0.037
1.0000	0.028
1.2000	0.028
1.4000	0.028
1.6000	0.028
1.8000	0.018
2.0000	0.028
2.2000	0.018
2.4000	0.028
2.6000	0.028
2.8000	0.028
3.0000	0.028
3.2000	0.028
3.4000	0.028
3.6000	0.028
3.8000	0.028
4.0000	0.028
4.2000	0.028
4.4000	0.028
4.6000	0.028
4.8000	0.028
5.0000	0.028
5.2000	0.028
5.4000	0.028
5.6000	0.028
5.8000	0.028
6.0000	0.018
6.2000	0.018
6.4000	0.018
6.6000	0.018
6.8000	0.018
7.0000	0.018
7.2000	0.018
7.4000	0.018
7.6000	0.018
7.8000	0.018
8.0000	0.018
8.2000	0.018
8.4000	0.018
8.6000	0.018
8.8000	0.018
9.0000	0.018
9.2000	0.018
9.4000	0.018
9.6000	0.028
9.8000	0.018

DW 1 SLug In

10.0000	0.028
12.0000	-0.009

DW 1 SLug In

SE1000C
Environmental Logger
10/30 14:51

Unit# 01596 Test 0

Setups:	INPUT 1
Type	Level (F)
Mode	Surface
I.D.	00001
Reference	0.000
Linearity	-0.010
Scale factor	30.020
Offset	-0.050
Delay mSEC	50.000

Step 0 10/30 11:32:49

Elapsed Time	INPUT 1
0.0000	-2.251
0.0033	-1.939
0.0066	-1.769
0.0100	-1.816
0.0133	-1.731
0.0166	-1.712
0.0200	-1.683
0.0233	-1.655
0.0266	-1.636
0.0300	-1.617
0.0333	-1.589
0.0366	-1.570
0.0400	-1.551
0.0433	-1.532
0.0466	-1.504
0.0500	-1.485
0.0533	-1.466
0.0566	-1.437
0.0600	-1.428
0.0633	-1.409
0.0666	-1.390
0.0700	-1.371
0.0733	-1.352
0.0766	-1.343
0.0800	-1.324
0.0833	-1.305
0.0866	-1.296
0.0900	-1.277
0.0933	-1.267

MW 1 Slug Out

0.0966	-1.258
0.1000	-1.239
0.1033	-1.229
0.1066	-1.210
0.1100	-1.201
0.1133	-1.182
0.1166	-1.173
0.1200	-1.163
0.1233	-1.144
0.1266	-1.135
0.1300	-1.125
0.1333	-1.116
0.1366	-1.097
0.1400	-1.087
0.1433	-1.078
0.1466	-1.068
0.1500	-1.059
0.1533	-1.050
0.1566	-1.040
0.1600	-1.021
0.1633	-1.012
0.1666	-1.002
0.1700	-0.993
0.1733	-0.993
0.1766	-0.974
0.1800	-0.974
0.1833	-0.955
0.1866	-0.955
0.1900	-0.946
0.1933	-0.936
0.1966	-0.927
0.2000	-0.917
0.2033	-0.908
0.2066	-0.898
0.2100	-0.889
0.2133	-0.889
0.2166	-0.879
0.2200	-0.870
0.2233	-0.860
0.2266	-0.851
0.2300	-0.841
0.2333	-0.841
0.2366	-0.832
0.2400	-0.823
0.2433	-0.813
0.2466	-0.813
0.2500	-0.804
0.2533	-0.794
0.2566	-0.785
0.2600	-0.785
0.2633	-0.775
0.2666	-0.766

MW 1 Slug Out

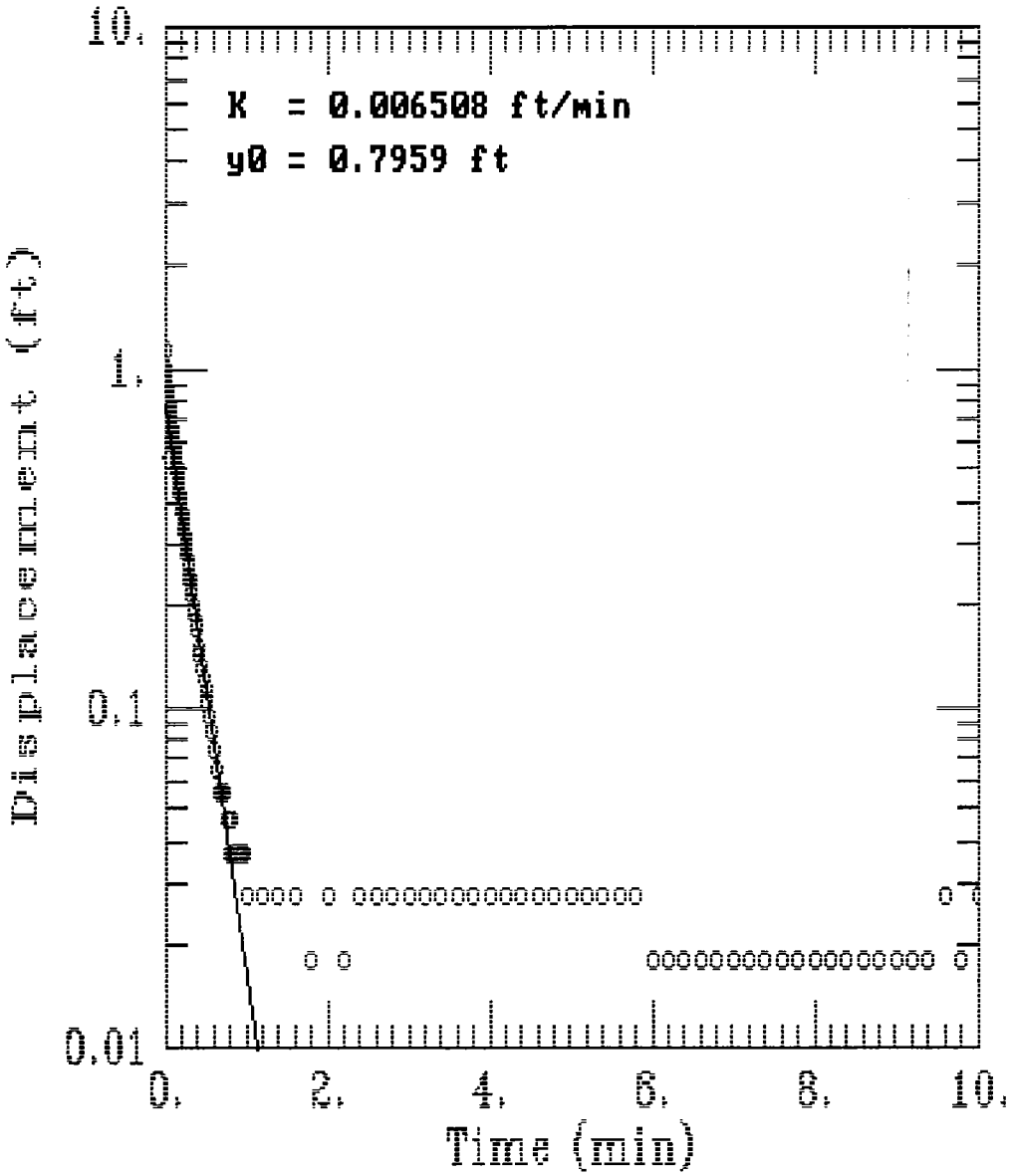
0.2700	-0.756
0.2733	-0.756
0.2766	-0.747
0.2800	-0.737
0.2833	-0.737
0.2866	-0.728
0.2900	-0.718
0.2933	-0.718
0.2966	-0.709
0.3000	-0.700
0.3033	-0.700
0.3066	-0.690
0.3100	-0.690
0.3133	-0.681
0.3166	-0.671
0.3200	-0.671
0.3233	-0.662
0.3266	-0.652
0.3300	-0.652
0.3333	-0.643
0.3500	-0.614
0.3666	-0.586
0.3833	-0.558
0.4000	-0.529
0.4166	-0.501
0.4333	-0.482
0.4500	-0.454
0.4666	-0.435
0.4833	-0.406
0.5000	-0.387
0.5166	-0.378
0.5333	-0.359
0.5500	-0.340
0.5666	-0.331
0.5833	-0.312
0.6000	-0.302
0.6166	-0.283
0.6333	-0.274
0.6500	-0.264
0.6666	-0.255
0.6833	-0.245
0.7000	-0.236
0.7166	-0.227
0.7333	-0.217
0.7500	-0.208
0.7666	-0.198
0.7833	-0.189
0.8000	-0.179
0.8166	-0.179
0.8333	-0.170
0.8500	-0.160
0.8666	-0.151

MW 1 Slug Out

0.8833	-0.151
0.9000	-0.141
0.9166	-0.141
0.9333	-0.132
0.9500	-0.132
0.9666	-0.122
0.9833	-0.122
1.0000	-0.113
1.2000	-0.066
1.4000	-0.047
1.6000	-0.028
1.8000	-0.018
2.0000	-0.009
2.2000	0.000
2.4000	0.009
2.6000	0.009
2.8000	0.009
3.0000	0.009
3.2000	0.018
3.4000	0.018
3.6000	0.018
3.8000	0.018
4.0000	0.018
4.2000	0.018
4.4000	0.018
4.6000	0.018
4.8000	0.018
5.0000	0.018
5.2000	0.018
5.4000	0.018
5.6000	0.018
5.8000	0.018
6.0000	0.028
6.2000	0.028
6.4000	0.028
6.6000	0.028
6.8000	0.028
7.0000	0.018
7.2000	0.018
7.4000	0.018
7.6000	0.018
7.8000	0.028
8.0000	0.018
8.2000	0.028
8.4000	0.028
8.6000	0.028
8.8000	0.028
9.0000	0.028
9.2000	0.028
9.4000	0.028
9.6000	0.028
9.8000	0.028

MW 1 Slug Out

10.0000	0.028
12.0000	0.000

MW 1 Slug Out

7211 DW 1 Slug In