32501.036
03.04.36.0004
N00204.AR.000448
NAS PENSACOLA
5090.3a

Contamination Assessment/ Remedial Activities Investigation Industrial Waste Sewer (Site 36) Volume II: Appendices A through E November 1992

Naval Air Station Pensacola Pensacola, Florida

Interim Data Report

Southern Division
Naval Facilities
Engineering Command
Charleston, South Carolina
29411-0068

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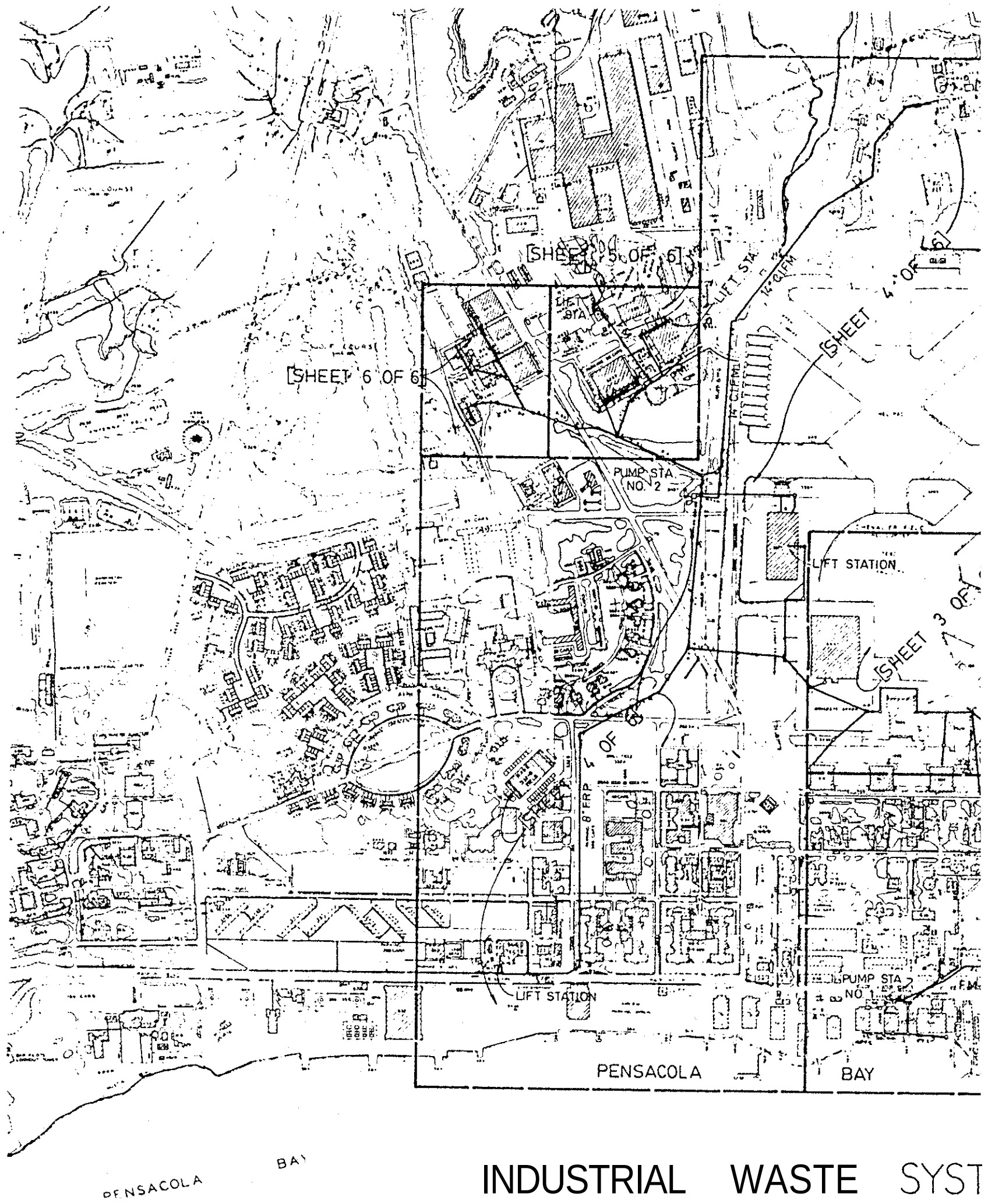
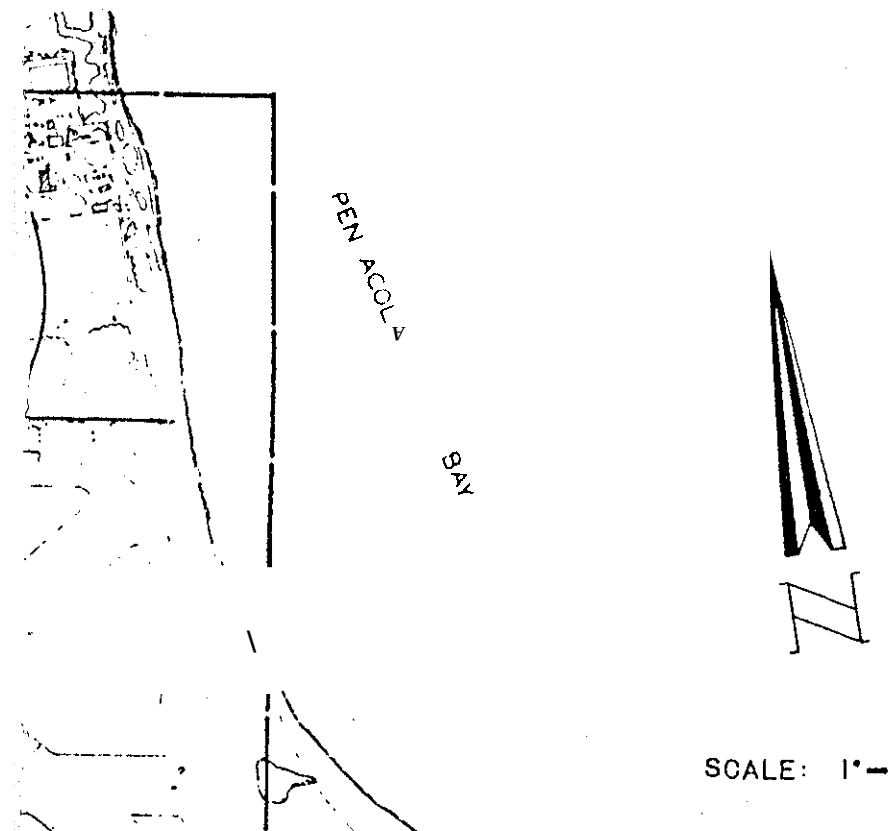
ON SUBSEQUENT IMAGES

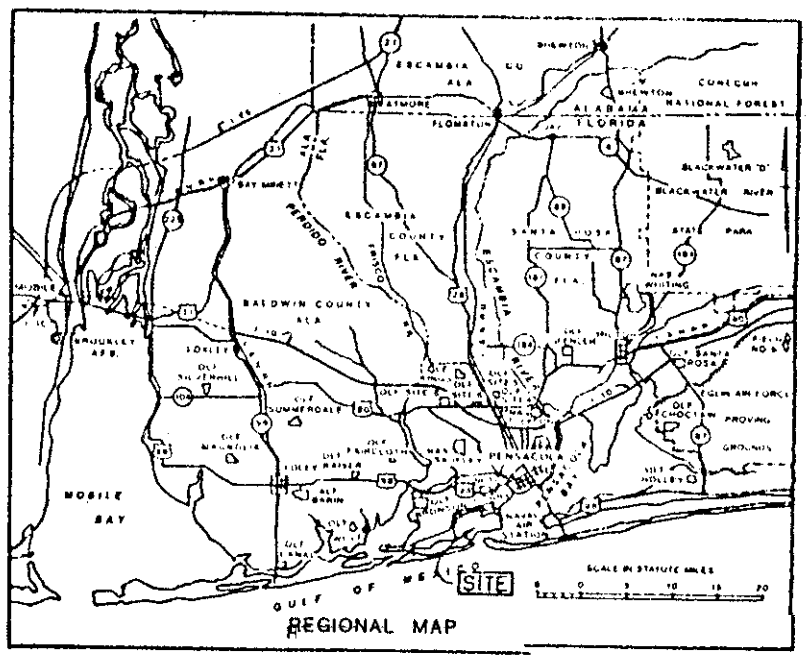
Attachment A



INDUSTRIAL WASTE SYST

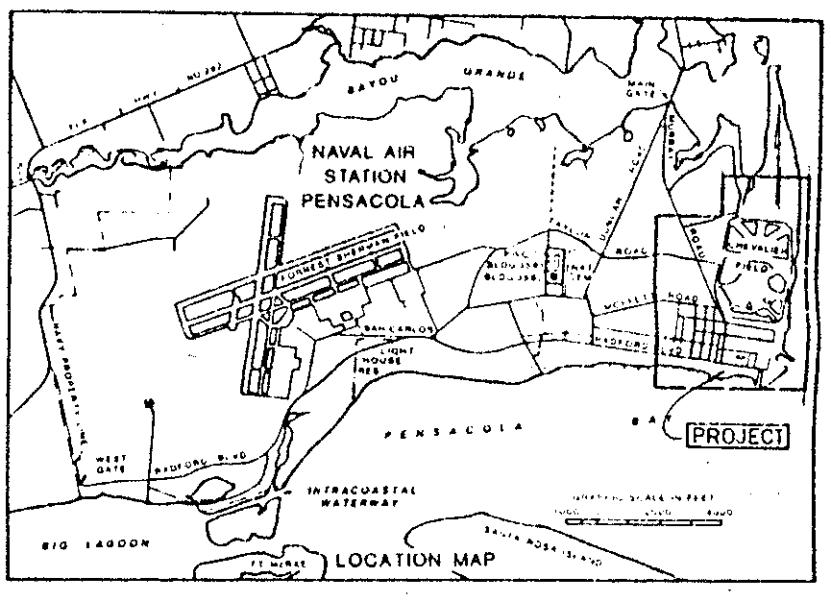
"INDEX MAP"





SCALE: 1" — ~~400'~~ 800'

BRL 11/22/91



STEM

LEGEND:

- AREAS SURVEYED
- INDUSTRIAL WASTE LINE
- F.M. FORCE MAIN
- SHORELINE

NOTE:

VERTICAL CONTROL DATUM BASED ON NAS PENSACOLA DATUM.

9/11/86 Charles E. Martin, P.L.S. #3463

"GRAPHIC SCALE"

500 250 0 500 1000 1500

1" — ~~400'~~-0" 800'

BRL 11/22/91

LTR	DESCRIPTION	DATE	APPROVED
	REVISIONS		

REF ESR 25-633R

DESIGNED
DRAWN INSS (BY 2)
CHECKED
BR MGR
LDS BR MGR
ENGRG DIV DIR

APPROVED DATE 9/18/86
EO PUBLIC WORKS CENTER
APPROVED DATE
OIC FOR COMMANDER NAVFAC

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
NAVY PUBLIC WORKS CENTER
NAVAL AIR STATION PENSACOLA FLORIDA

NAVAL AIR STATION PENSACOLA, FL

GENERAL DEVELOPMENT MAP

INDUSTRIAL WASTE SYSTEM

SIZE	CODE IDENT NO	CONSTR CONTR NO.	NAVFAC DRAWING NO
F	80091		5152541
SCALE AS SHOWN	SPEC		SHEET 1 OF 6

OVERSIZED 'PAGE

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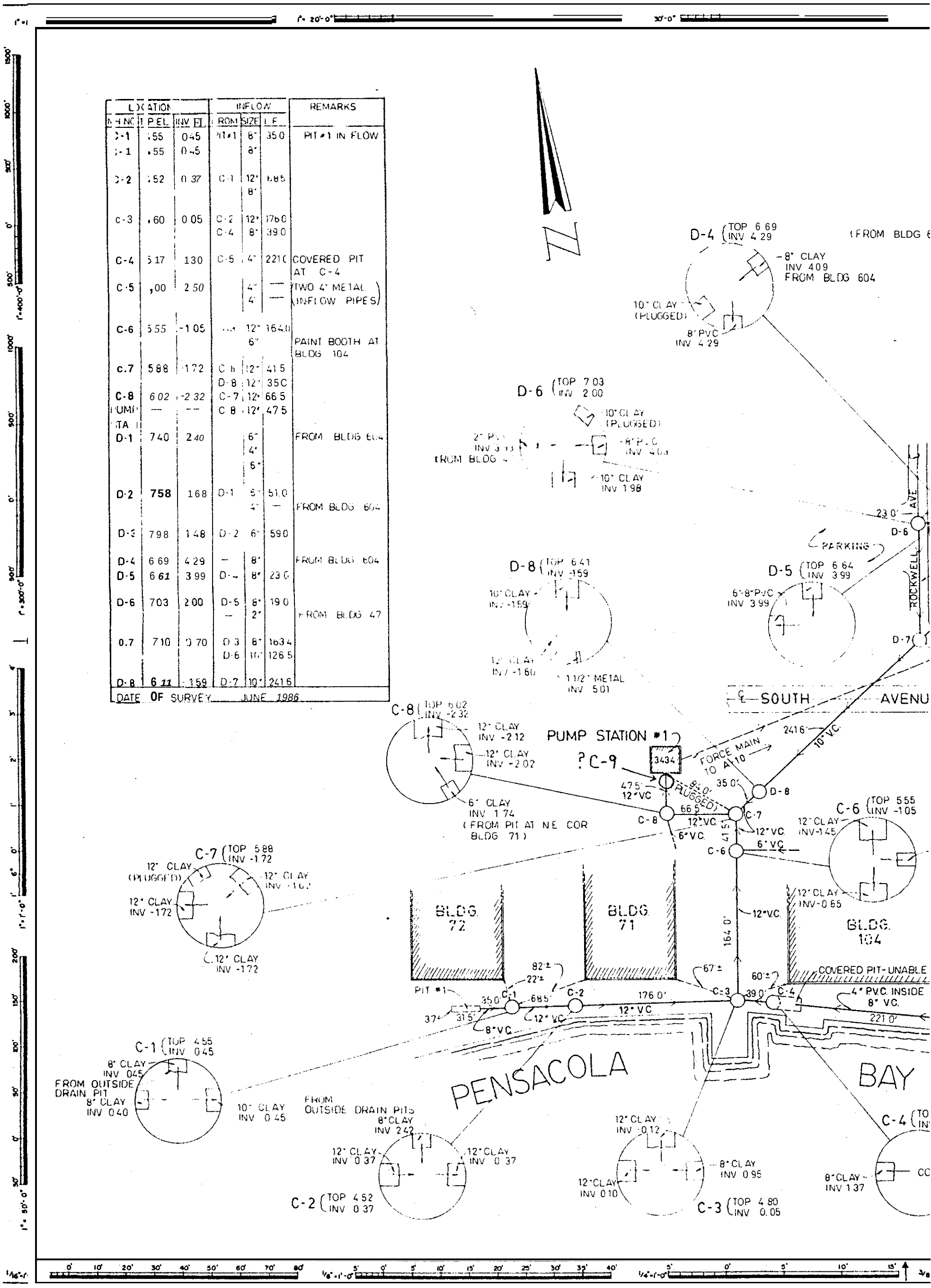
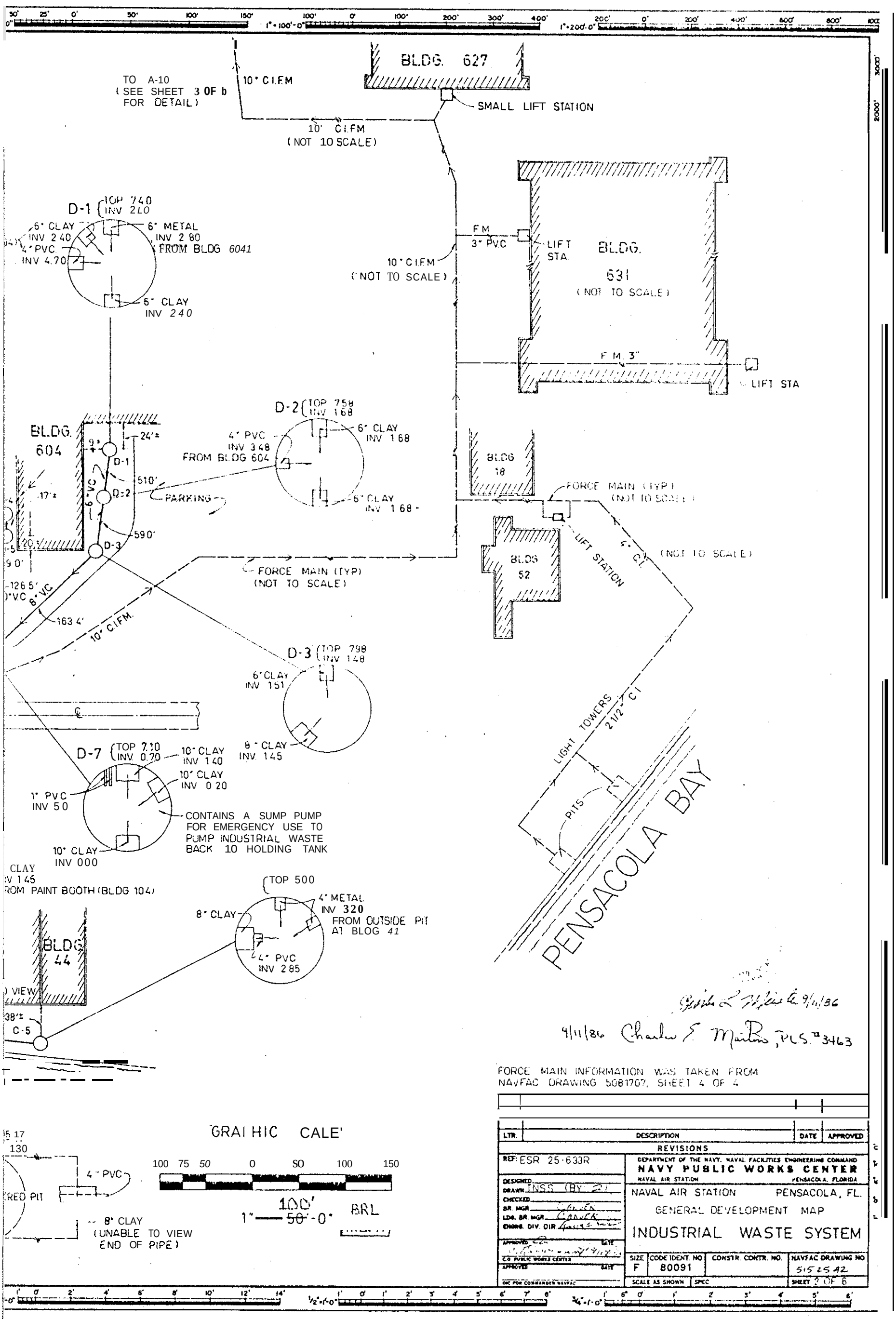
ON SUBSEQUENT IMAGES

Attachment A

LOCATION			INFLOW			REMARKS
MANHOLE	TOP EL	INV EL	FROM	SIZE	L.F.	
C-1	4.55	0.45	PIT #1	8"	35.0	PIT #1 IN FLOW
C-1	4.55	0.45		8"		
C-2	4.52	0.37	C-1	12"	68.5	
				8"		
C-3	4.60	0.05	C-2	12"	176.0	
			C-4	8"	39.0	
C-4	5.17	1.30	C-5	4"	221.0	COVERED PIT AT C-4
C-5	4.00	2.50		4"	—	(TWO 4" METAL
				4"	—	INFLOW PIPES)
C-6	5.55	-1.05	[illegible]	12"	164.0	
				6"		PAINT BOOTH AT BLDG 104
C-7	5.88	-1.72	C-6	12"	41.5	
			D-8	12"	35.0	
C-8	6.02	-2.32	C-7	12"	66.5	
(UMP STATION)	—	—	C-8	12"	47.5	
D-1	7.40	2.40		6"		FROM BLDG 604
				4"		
				6"		
D-2	7.58	1.68	D-1	6"	51.0	
				4"	—	FROM BLDG 604
D-3	7.98	1.48	D-2	6"	59.0	
D-4	6.69	4.29	—	8"		FROM BLDG 604
D-5	6.61	3.99	D-4	8"	23.0	
D-6	7.03	2.00	D-5	8"	19.0	
			—	2"		FROM BLDG 47
D-7	7.10	0.70	D-3	8"	163.4	
			D-6	10"	126.5	
D-8	6.41	-1.59	D-7	10"	241.6	

DATE OF SURVEY JUNE 1986





9/11/86 Charles E. Martin, PLS #3463

FORCE MAIN INFORMATION WAS TAKEN FROM NAVFAC DRAWING 5081707, SHEET 4 OF 4

LTR.	DESCRIPTION	DATE	APPROVED

REVISIONS

REF: ESR 25-633R

DEPARTMENT OF THE NAVY, NAVAL FACILITIES ENGINEERING COMMAND
NAVY PUBLIC WORKS CENTER
NAVAL AIR STATION PENSACOLA, FLORIDA

DESIGNED
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CHECKED
BR. MGR.
LDR. BR. MGR.
ENGRG. DIV. DIR.
APPROVED DATE
C.O. PUBLIC WORKS CENTER
APPROVED DATE
OIC FOR COMMANDER NAVFAC

NAVAL AIR STATION PENSACOLA, FL.

GENERAL DEVELOPMENT MAP

INDUSTRIAL WASTE SYSTEM

SIZE	CODE IDENT. NO	CONSTR. CONTR. NO.	NAVFAC DRAWING NO
F	80091		5125 42
SCALE AS SHOWN	SPEC		SHEET 2 OF 6

OVERSIZED 'PAGE

SCANNED IN SECTIONS

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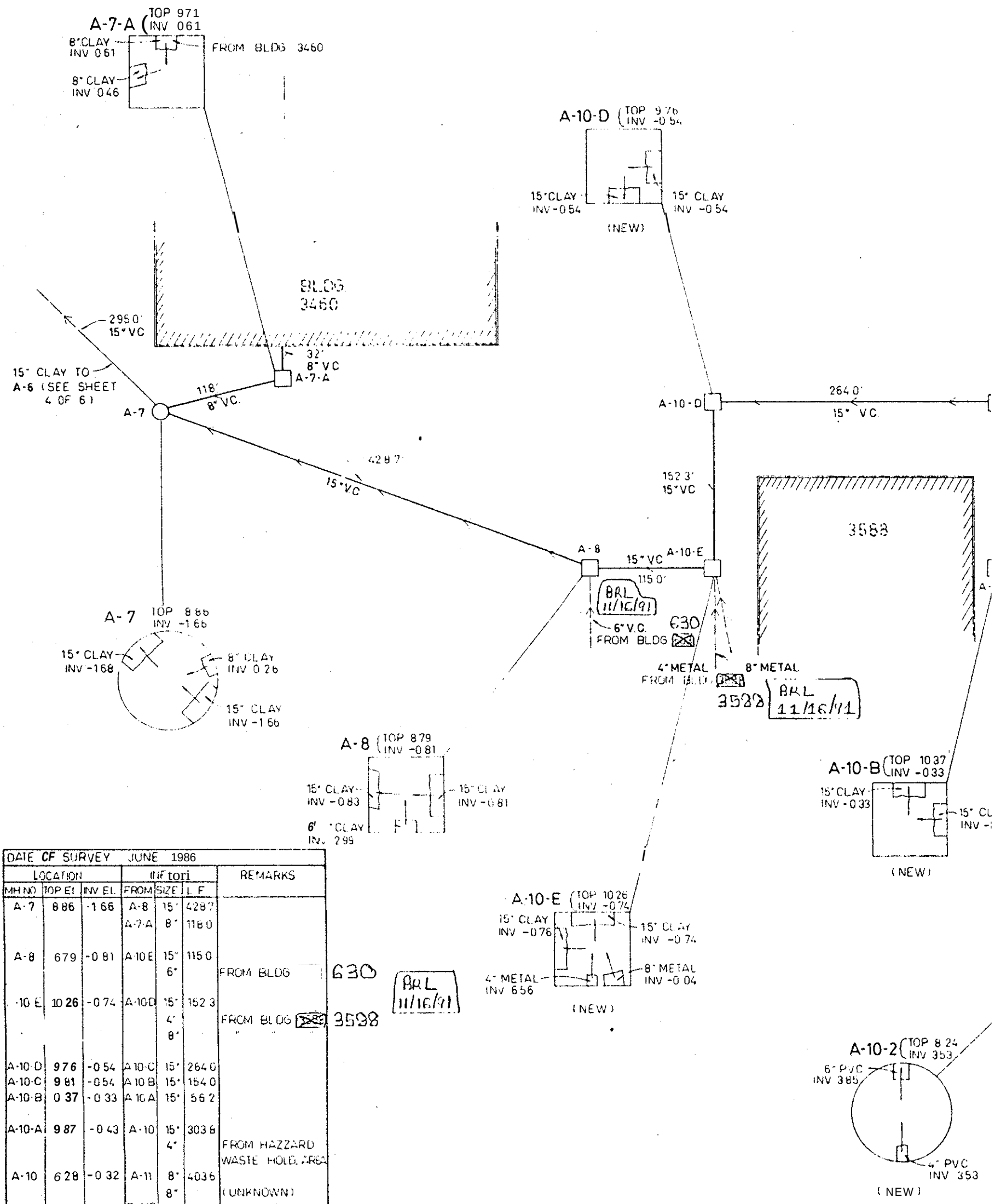
ON SUBSEQUENT IMAGES

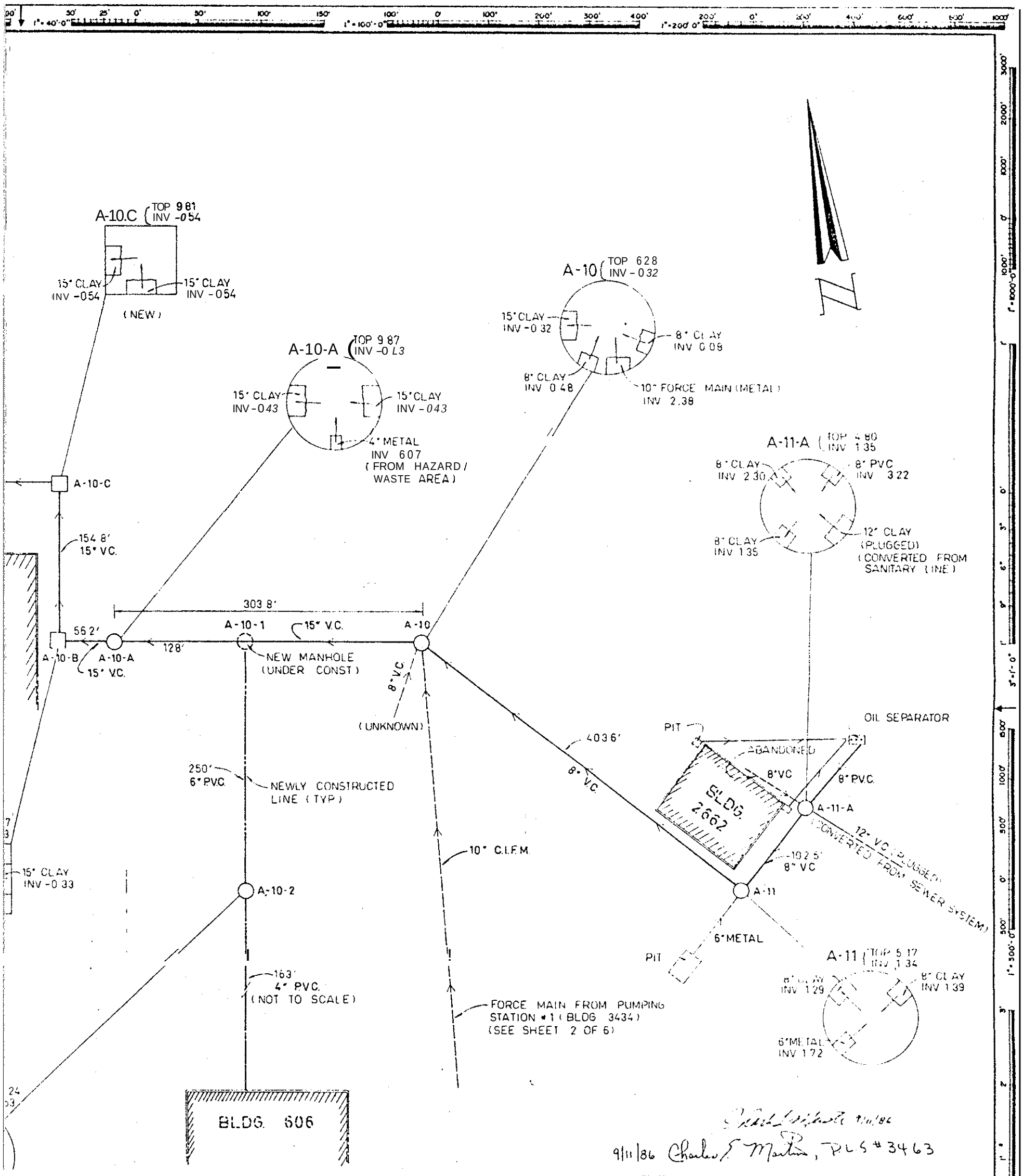
Attachment A



DATE CF SURVEY JUNE 1986						
LOCATION			INFLOW			REMARKS
MH NO	TOP EL	INV EL	FROM	SIZE	L F	
A-7	8 86	-1 66	A-8	15"	428 7	
			A-7-A	8"	118 0	
A-8	6 79	-0 81	A-10 E	15"	115 0	
				6"		FROM BLDG 630
A-10 E	10 26	-0 74	A-10 D	15"	152 3	
				4"		FROM BLDG ~~3588~~ 3598
				8"		
A-10-D	9 76	-0 54	A-10-C	15"	264 0	
A-10-C	9 81	-0 54	A-10 B	15"	154 0	
A-10-B	0 37	-0 33	A-10 A	15"	5 6 2	
A-10-A	9 87	-0 43	A-10	15"	303 6	
				4"		FROM HAZZARD WASTE HOLD. AREA
A-10	6 28	-0 32	A-11	8"	403 6	
				8"		(UNKNOWN)
			PUMP STA #1	10"		F M IN FLOW
A-11	5 17	1 34	A-11 A	8"	102 5	
				6"		FROM CATCH BASIN PIT
A-11-A	4 80	1 35	PIT	6"	133 0	
				8"		OIL SEPARATOR
				12"		PLUGGED

BRL 11/16/91

NOTE F M = (FORCE MAIN)



9/11/86 Charles E Martin, PLS #3463

VC
353

'GRAPHIC SCALE'

100 75 50 0 50 100 150

1" = 100' / ~~50'~~ -0"

BRL
11/22/91

LTR.	DESCRIPTION	DATE	APPROVED

REVISIONS

REF ESR 25 633R

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
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NAVAL AIR STATION PENSACOLA, FLORIDA

DESIGNED
DRAWN INSS (BY 2 1)
CHECKED
BR. MGR. CARVER
LDR. BR. MGR. CARVER
DRAWG. DIV. DIR.
APPROVED DATE
CO. PUBLIC WORKS CENTER
APPROVED DATE
OIC FOR COMMANDER NAVFAC

NAVAL AIR STATION PENSACOLA, FL

GENERAL DEVELOPMENT MAP

INDUSTRIAL WASTE SYSTEM

SIZE	CODE IDENT. NO	CONSTR. CONTR. NO.	NAVFAC DRAWING NO
F	80091		5152543
SCALE AS SHOWN	SPEC.		SHEET 3 OF 6

OVERSIZED 'PAGE

SCANNED IN SECTIONS

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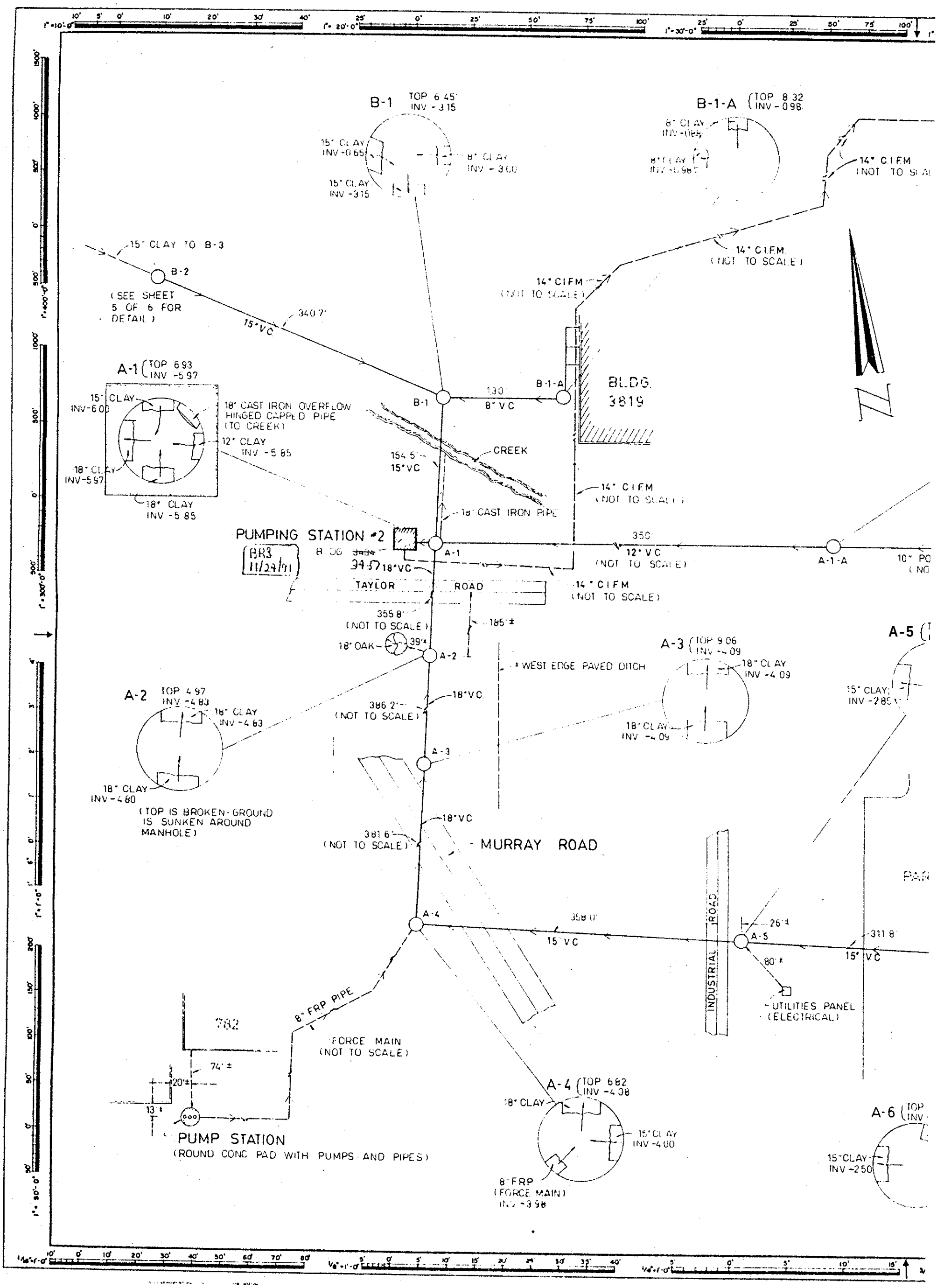
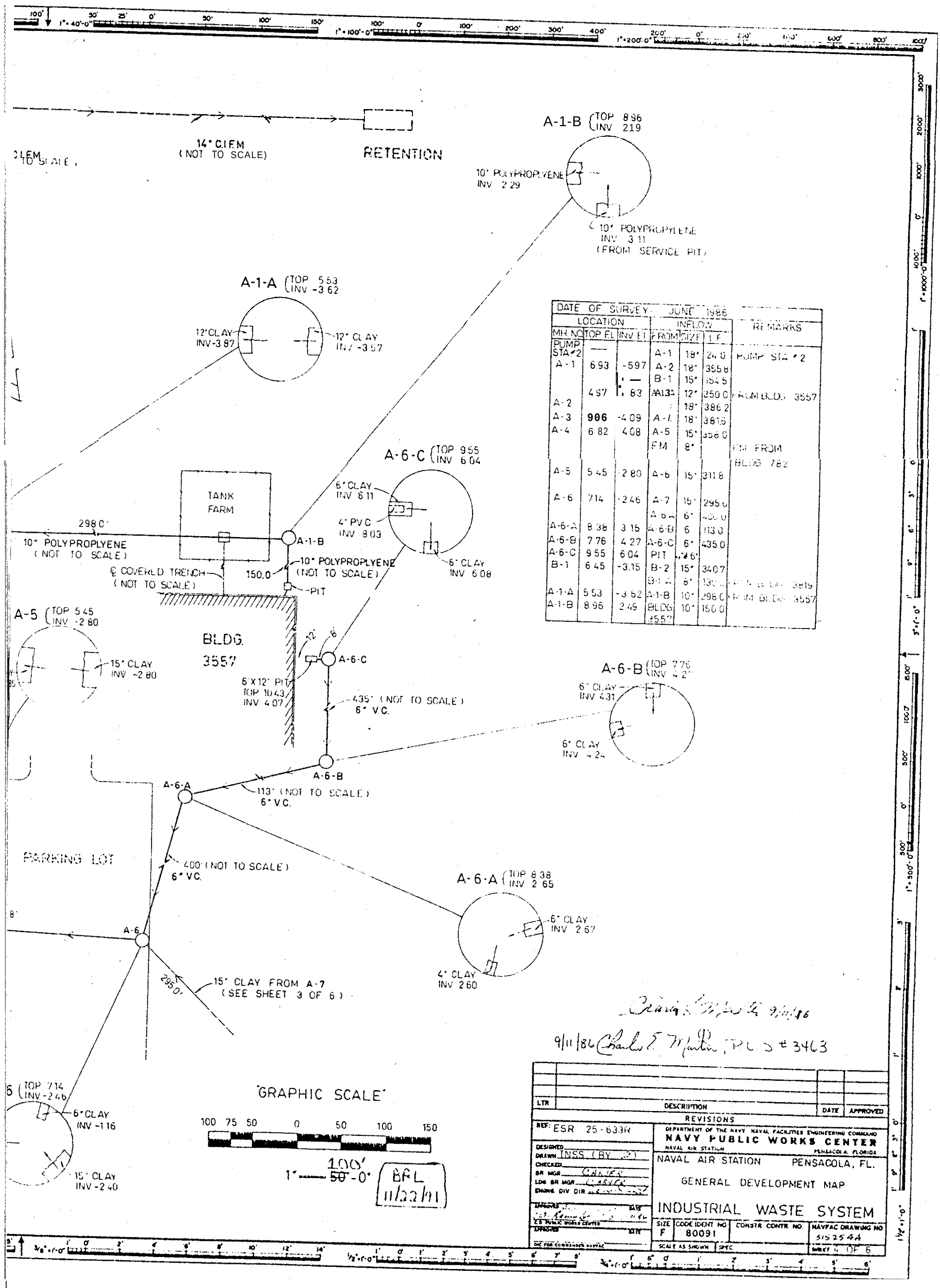
ON SUBSEQUENT IMAGES

Attachment A


B-1 TOP 6.45 INV -3.15
15" CLAY INV -0.65
8" CLAY INV -3.00
15" CLAY INV -3.15
B-1-A (TOP 8.32 INV -0.98
8" CLAY INV -0.68
8" CLAY INV -0.98
14" CIFM (NOT TO SCALE)
15" CLAY TO B-3
B-2
(SEE SHEET 5 OF 6 FOR DETAIL)
340.7'
15" VC
14" CIFM (NOT TO SCALE)
14" CIFM (NOT TO SCALE)
A-1 (TOP 6.93 INV -5.97
15" CLAY INV-6.00
18" CAST IRON OVERFLOW HINGED CAPPED PIPE (TO CREEK)
12" CLAY INV -5.85
18" CLAY INV-5.97
18" CLAY INV -5.85
B-1
130'
8" VC
B-1-A
BLDG. 3819
154.5'
15" VC
CREEK
14" CIFM (NOT TO SCALE)
18" CAST IRON PIPE
PUMPING STATION #2
BR3 11/24/91
A-1
350'
12" VC (NOT TO SCALE)
A-1-A
10" PO (NO
34.5' 18" VC
TAYLOR ROAD
14" CIFM (NOT TO SCALE)
355.8' (NOT TO SCALE)
185'±
18" OAK
39'±
A-2
A-3 (TOP 9.06 INV -4.09
18" CLAY INV -4.09
A-5
15" CLAY INV -2.85
WEST EDGE PAVED DITCH
A-2 TOP 4.97 INV -4.83
18" CLAY INV -4.83
18" CLAY INV -4.80
(TOP IS BROKEN-GROUND IS SUNKEN AROUND MANHOLE)
386.2' (NOT TO SCALE)
18" VC
18" CLAY INV -4.09
A-3
18" VC
381.6' (NOT TO SCALE)
MURRAY ROAD
A-4
359.0'
15" VC
INDUSTRIAL ROAD
26'±
A-5
311.8'
15" VC
80'±
UTILITIES PANEL (ELECTRICAL)
8" FRP PIPE
782
FORCE MAIN (NOT TO SCALE)
74'±
20'±
13'±
PUMP STATION
(ROUND CONC PAD WITH PUMPS AND PIPES)
A-4 (TOP 6.82 INV -4.08
18" CLAY
15" CLAY INV -4.00
8" FRP (FORCE MAIN) INV -3.98
A-6 (TOP INV
15" CLAY INV -2.50



DATE OF SURVEY: JUNE 1986						
LOCATION			INFLOW			REMARKS
MH NO	TOP EL	INV EL	FROM	SIZE	LF	
PUMP STA #2	—		A-1	18"	24.0	PUMP STA #2
A-1	6.93	-5.97	A-2	18"	355.8	
		—	B-1	15"	154.5	
	4.97	8.83	AA13A	12"	350.0	FROM BLDG 3557
A-2				18"	386.2	
A-3	9.06	-4.09	A-4	18"	381.5	
A-4	6.82	4.08	A-5	15"	358.0	
			FM	8"		FM FROM BLDG 782
A-5	5.45	-2.80	A-6	15"	311.8	
A-6	7.14	-2.46	A-7	15"	295.0	
			A-6-A	6"	435.0	
A-6-A	8.38	3.15	A-6-B	6	113.0	
A-6-B	7.76	4.27	A-6-C	6"	435.0	
A-6-C	9.55	6.04	PIT	4.76"		
B-1	6.45	-3.15	B-2	15"	340.7	
			B-1-A	6"	130.[illegible]	FROM BLDG 3819
A-1-A	5.53	-3.62	A-1-B	10"	298.0	FROM BLDG 3557
A-1-B	8.96	2.49	BLDG 3557	10"	150.0	

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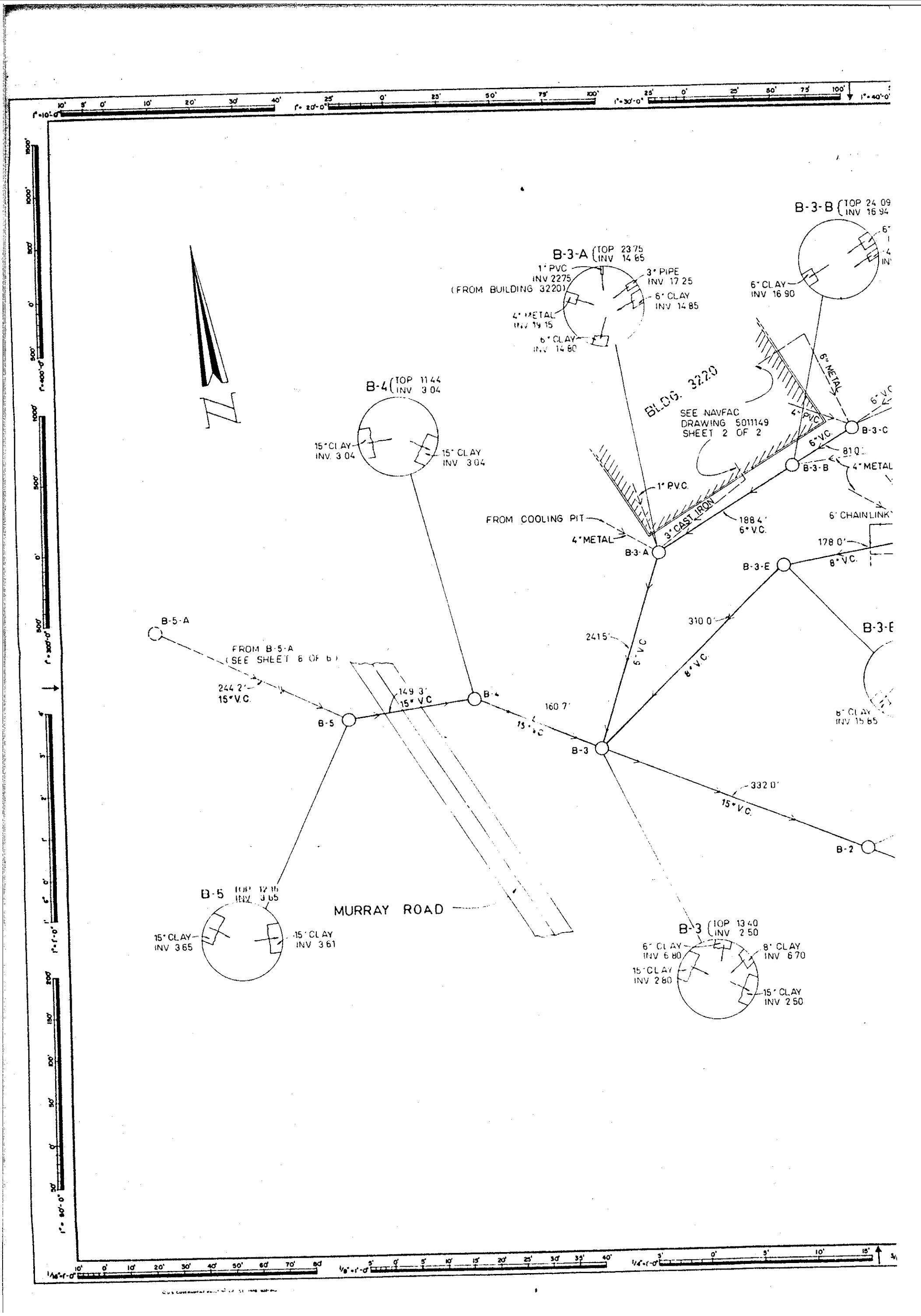
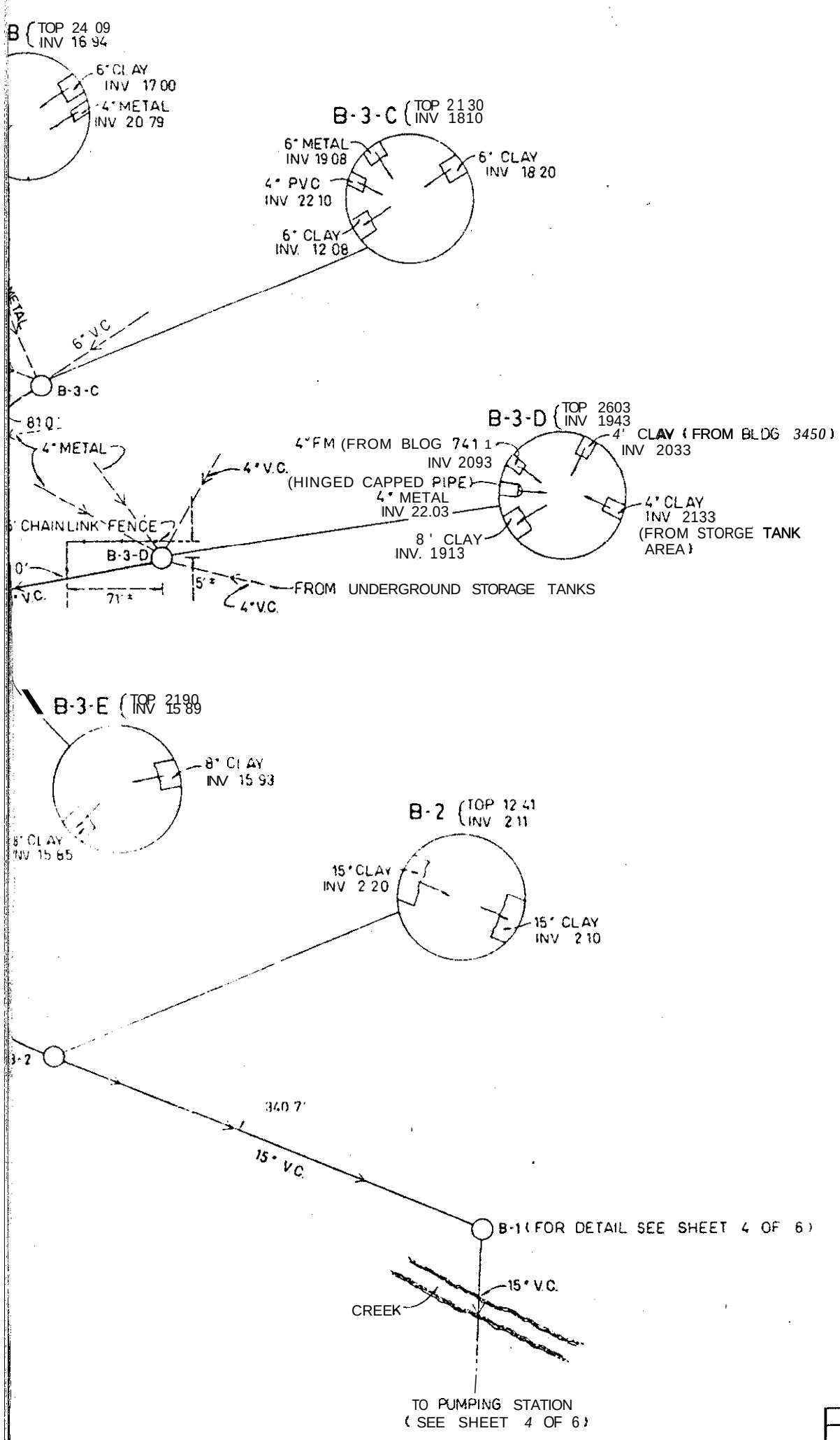
Attachment A


N
B-3-A (TOP 23 75
INV 14 65
1" PVC
INV 22 75
(FROM BUILDING 3220)
3" PIPE
INV 17 25
6" CLAY
INV 14 85
4" METAL
INV 19 15
6" CLAY
INV 14 80
B-3-B (TOP 24 09
INV 16 94
6" CLAY
INV 16 90
B-4 (TOP 11 44
INV 3 04
15" CLAY
INV 3 04
15" CLAY
INV 3 04
BLDG. 3220
SEE NAVFAC
DRAWING 5011149
SHEET 2 OF 2
6" METAL
4" PVC
6" V.C.
B-3-C
6" V.C.
81 0'
B-3-B
4" METAL
6' CHAIN LINK
1" PVC
FROM COOLING PIT
4" METAL
3" CAST IRON
188 4'
6" V.C.
B-3-A
178 0'
8" V.C.
B-3-E
B-5-A
FROM B-5-A
(SEE SHEET 6 OF 6)
244 2'
15" V.C.
149 3'
15" V.C.
B-5
B-4
160 7'
15" V.C.
B-3
241 5'
6" V.C.
310 0'
8" V.C.
B-3-E
8" CLAY
INV 15 65
332 0'
15" V.C.
B-2
B-5 (TOP 12 15
INV 3 65
15" CLAY
INV 3 65
15" CLAY
INV 3 61
MURRAY ROAD
B-3 (TOP 13 40
INV 2 50
6" CLAY
INV 6 80
8" CLAY
INV 6 70
15" CLAY
INV 2 80
15" CLAY
INV 2 50



DATE OF SURVEY JUNE 1986						
LOCATION			INFLOW			REMARKS
MH NO	TOP EL	INV EL	FROM	SIZE	L F	
B-2	12 41	2 11	B-3	15"	332.0	
B-3	13 40	2 50	B-3-A	6"	2115	
			B-3-E	8"	310 0	
			B-4	15"	160 7	
B-3-b	2375	14 85		4"		SEE DRAWING
				1"		NAVFAC 5011149
				3"		SHEET 2 OF 2
			B-3-B	6"	188 4	
B 3-B	24 09	16 94		4"		
			B 3 C	6	81 0	
B 3 c	24 30	18 10		6"		SEE DRAWING
				4"		NAVFAC 5011149
				6"		SHEET 2 OF 2
B-3 D	26 03	19 43	BLDG 741	4"		
			3450	4"		
			TANK AREA	4"		
				4"		HINGED CAPPED-PIPE
h 3-E	21 90	15 89	B 3-D	8"	178'	
B-4	1144	3 04	B-5	15"	149 3	
B-5	12 15	3 65	B-5-A	15"	244 2	

Charles E. Martin 9/11/86

9/11/86 Charles E. Martin, P.L.S. #3463

'GRAPH IC SCALE"

100 75 50 0 50 100 150

1" — 100' (~~50'~~) -0"

BRL 11/22/91

LTR.	DESCRIPTION	DATE	APPROVED

REVISIONS

REF: ESR 25-633R

DEPARTMENT OF THE NAVY, NAVAL FACILITIES ENGINEERING COMMAND
NAVY PUBLIC WORKS CENTER
NAVAL AIR STATION PENSACOLA, FLORIDA

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LDS. BR. MGR. CARVER
ENGINE. DIV. DIR.
APPROVED DATE
C.O. PUBLIC WORKS CENTER
APPROVED DATE
OIC FOR COMMANDER NAVFAC

NAVAL AIR STATION PENSACOLA, FL.

GENERAL DEVELOPMENT MAP

INDUSTRIAL **WASTE** SYSTEM

SIZE	CODE IDENT NO	CONSTR CONTR. NO.	NAVFAC DRAWING NO
F	80091		5151545
SCALE AS SHOWN	SPEC.		SHEET 5 OF 6

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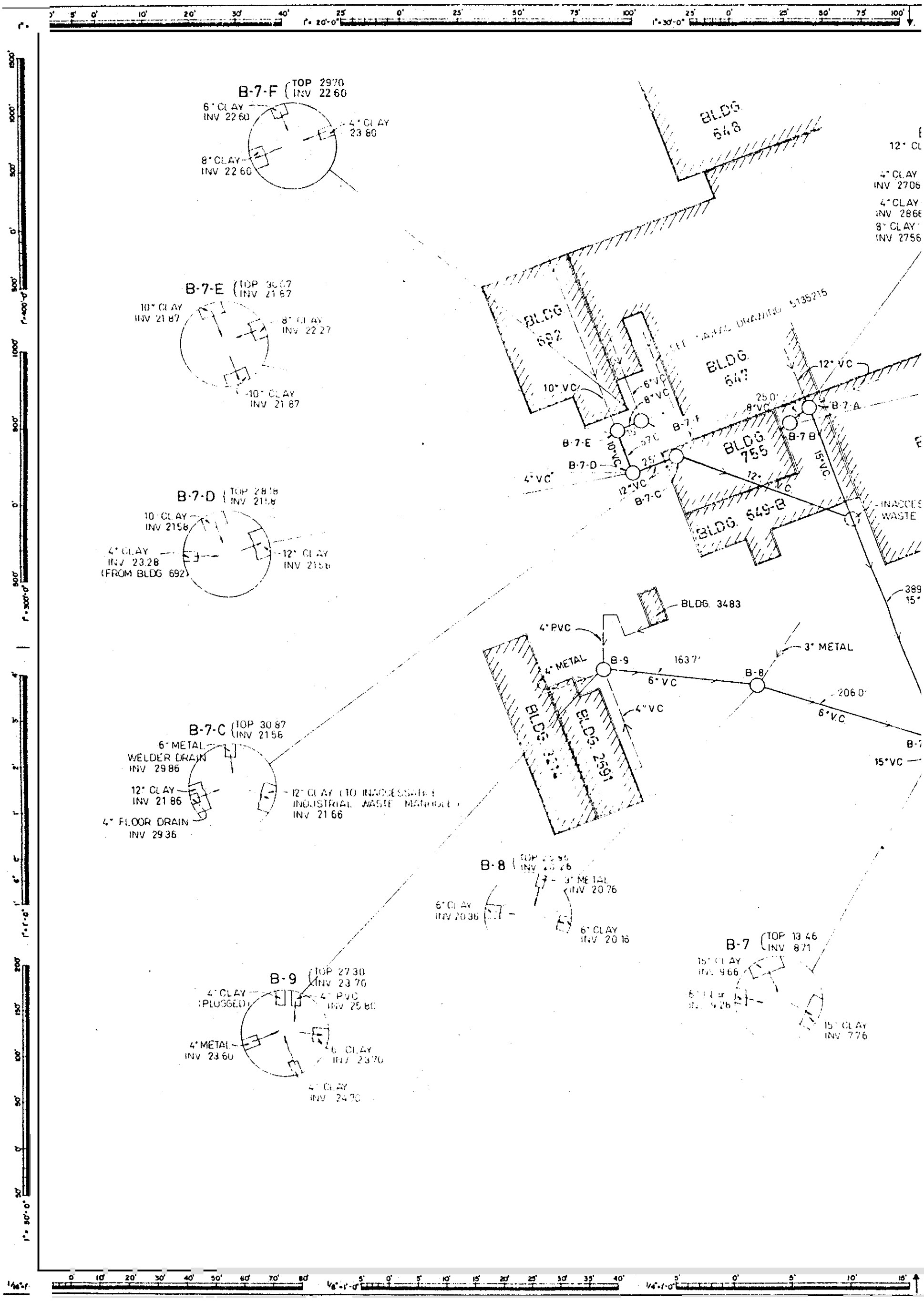
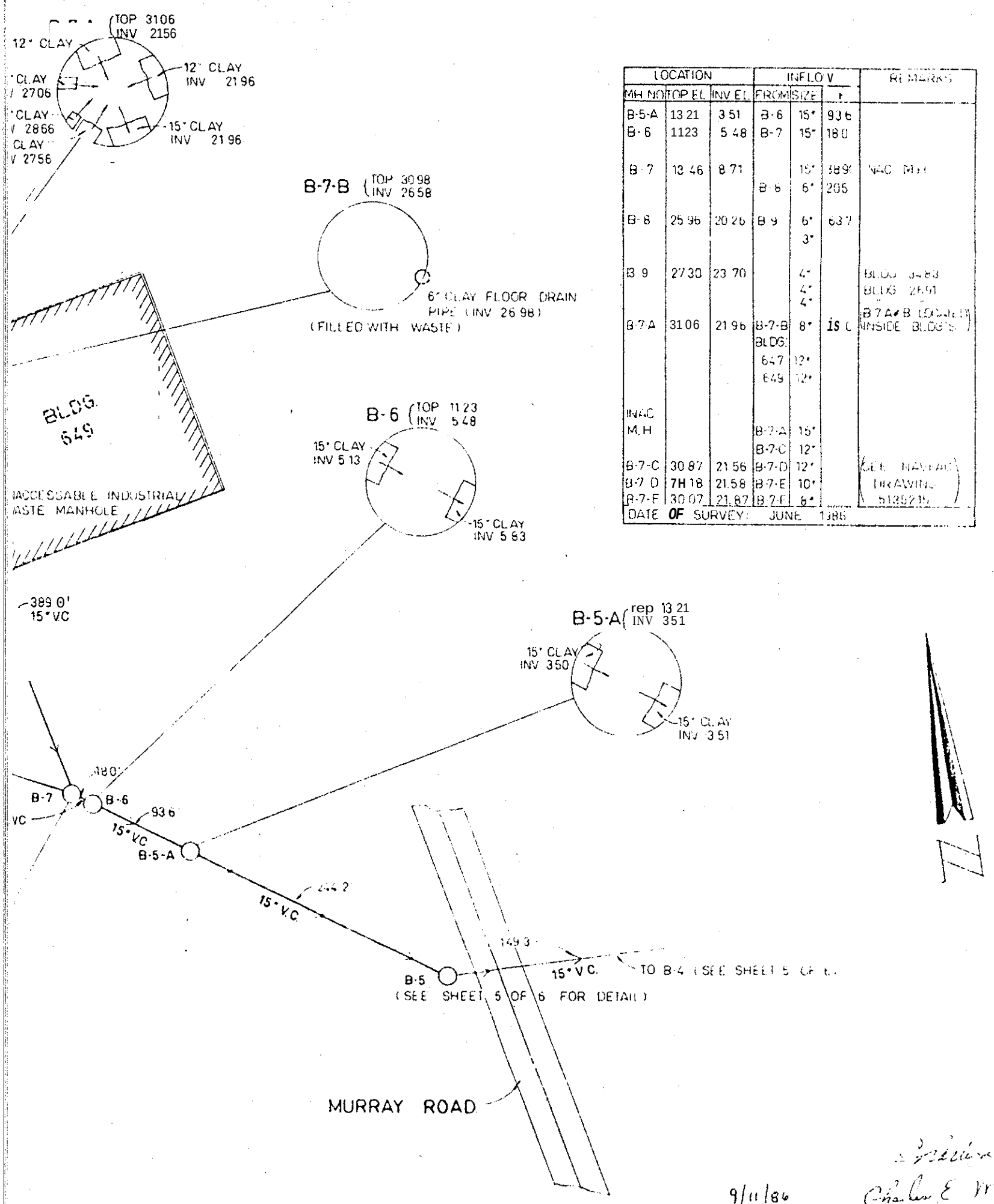
Attachment A


B-7-F
TOP 29.70
INV 22.60
6" CLAY
INV 22.60
4" CLAY
23.80
8" CLAY
INV 22.60
B-7-E
TOP 30.07
INV 21.87
10" CLAY
INV 21.87
8" CLAY
INV 22.27
10" CLAY
INV 21.87
B-7-D
TOP 28.18
INV 21.58
10" CLAY
INV 21.58
4" CLAY
INV 23.28
(FROM BLDG 692)
12" CLAY
INV 21.56
B-7-C
TOP 30.87
INV 21.56
6" METAL
WELDER DRAIN
INV 29.86
12" CLAY
INV 21.86
4" FLOOR DRAIN
INV 29.36
12" CLAY (TO INACCESSIBLE
INDUSTRIAL WASTE MANHOLE)
INV 21.66
B-9
TOP 27.30
INV 23.70
4" CLAY
(PLUGGED)
4" PVC
INV 25.80
4" METAL
INV 23.60
6" CLAY
INV 23.70
4" CLAY
INV 24.70
B-8
TOP 23.96
INV 20.76
3" METAL
INV 20.76
6" CLAY
INV 20.36
6" CLAY
INV 20.16
B-7
TOP 13.46
INV 8.71
15" CLAY
INV 9.66
6" CLAY
INV 9.26
15" CLAY
INV 7.76
BLDG.
548
BLDG.
692
BLDG.
647
BLDG.
755
BLDG. 549-B
BLDG. 3483
BLDG.
2591
SEE SANITARY DRAWING 5135215
10" VC
6" VC
8" VC
12" VC
4" VC
15" VC
B-7-A
B-7-B
B-7-C
B-7-D
B-7-E
B-7-F
B-9
B-8
4" PVC
4" METAL
3" METAL
163.7'
206.0'
25.0'
INACCESSIBLE
WASTE
389
15"



LOCATION			INFLOW			REMARKS
MH NO	TOP EL	INV EL	FROM	SIZE	L	
B-5-A	13.21	3.51	B-6	15"	93.6	
B-6	11.23	5.48	B-7	15"	18.0	
B-7	12.46	8.71		15"	38.9	NAC MH
			B-8	6"	20.5	
B-8	25.96	20.26	B-9	6"	63.7	
				3"		
B-9	27.30	23.70		4"		BLDG 3483
				4"		BLDG 2691
				4"		B-7A & B LOCATED INSIDE BLDG'S
B-7-A	31.06	21.96	B-7-B	8"	is C	
			BLDG 647	12"		
			649	12"		
INAC M.H			B-7-A	15"		
			B-7-C	12"		
B-7-C	30.87	21.56	B-7-D	12"		SEE NAVFAC DRAWING 5135216
B-7-D	7H.18	21.58	B-7-E	10"		
B-7-F	30.07	21.87	B-7-F	8"		

DATE OF SURVEY: JUNE 1986

9/11/86 Charles E Martin, PLS #3463

"GRAPHIC SCALE"

100 75 50 0 50 100 150

1" = ~~50'~~ 100' - 0"

BRL, 11/22/91

LTR.	DESCRIPTION	DATE	APPROVED

REVISIONS

REF: ESR 25-633R

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DESIGNED
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BR. MGR. CARVER
LDG. BR. MGR. CARVER
ENGRG. DIV. DIR.
APPROVED DATE
C.O. PUBLIC WORKS CENTER
APPROVED DATE
OIC FOR COMMANDER NAVFAC

NAVAL AIR STATION PENSACOLA FL.

GENERAL DEVELOPMENT MAP

INDUSTRIAL WASTE SYSTEM

SIZE	CODE IDENT. NO	CONSTR. CONTR. NO.	NAVFAC DRAWING NO
F	80091		5152546
SCALE AS SHOWN	SPEC.		SHEET 6 OF 6

APPENDIX B

BIRDS OBSERVED DURING HABITAT/BIOTA SURVEY

Table B-1

BIRDS OBSERVED DURING HABITAT/BIOTA SURVEY
OCTOBER 1990

Mature pine forest, including grassy margins along dirt roads and thickets bordering forests.

Cardinal	Cardinalis cardinalis
Bluejay	Cyanocitta cristata
Gray Catbird	Dumetella car [illegible]
Northern Mockingbird	Mimus [illegible] ttos
Rufous-sided Towhee	[illegible] lo erythrophthalmus
Boat-tailed Grackle	Quiscalus major
Common Grackle	Quiscalus quiscula
Eastern Phoebe	Sayornis phoebe
Carolina Wren	Thryo [illegible] ludovicianus
Brown Thrasher	Toxostoma [illegible] ufum
House Wren	Troglodytes aedon
Yellow-throated Vireo	Vireo flavifrons
White-eyed Vireo	[illegible] griseus
Mourning Dove	Zenaida macroura

Upland mature hardwood forest vith some mix of pines.

Red-tailed Hawk	Buteo jamaicensis
Bluejay	Cyanocitta cristata
Prairie Warbler	Dendroica discolor
Mississippi Kite	Ictinia mississippiensis
Northern Mockingbird	Mimus polyglottos
Tufted Titmouse	Parus bicolor
Carolina Chickadee	Parus carolinensis
Ruby Crowned Kinglet	Regulus calendula
Golden Crowned Kinglet	Regulus satrapa
Ovenbird	Seiurus aurocapillus
Nashville Warbler	Vermivora ruficapilla
Mourning Dove	Zenaida rnacroura

Beachfront, including shoreline along **waterfront** apron; Pensacola **Bay** open vater; **Bayou Grande open** vater; shoreline along dredge spoil fill **area;** interior mudflats of **dredge** spoil fill area; and primary **dune/scrubby** *areas* of **beach.**

Great Blue Heron	Ardea herodias
Ruddy Turnstone	Arenaria interpres
Sanderling	Calidris alba
Least Sandpiper	Calidris minutilla
Semi-palmated Sandpiper	Calidris pusilla
Willet	Catoptrophorus semipalmatus
Belted Kingfisher	Ceryle alcyon
Semi-palmated Plover	Charadrius semipalmatus
Killdeer	Charadrius vociferus
Eastern Wood Pevee	Contopus borealis
Fish Crow	Corvus ossifragus
Bluejay	Cyanocitta cristata
Little Blue Heron	Egretta caerulea
Acadian Flycatcher	Empidonax virescens
Bcrring Gull	Larus argentatus
Laughing Gull	Larus atricilla
Short-billed Dowitcher	Limnodromus priseus
Northern Mockingbird	Mimus polyglottos
Osprey	Pandion haliaetus
Brown Pelican	Pelecanus occidentalis
Double Crested Cormorant	Phalacrocorax auritus
Black-bellied Plover	Pluvialis squatarola
Chipping Sparrow	Spizella passerina
Roseate Tern	Sterna dougallii
Common Tern	Sterna hirundo
Royal Tern	Sterna maxima
Forester's Tern	Sterna porsteri
Sandvich Tern	Sterna sandircensis
Tree Swallow	Tachycineta bicolor
House Wren	Troglodytes aedon
Mourning Dove	Zenaida macroura

Marshland, including emergent vegetation found along Bayou Grande, Pensacola **Bay**, and **brackish-water** ponds.

Red-winged Blackbird	Agelaius phoeniceus
Northern Shoveler	Anas clypeata
Green-winged Teal	Anas crecea
Blue-winged Teal	Anas discors
Mottled Duck	Anas fulvigula
Great Blue Heron	Ardea herodias
Lesser Scaup	Aythya affinis
Cardinal	Cardinalis cardinalis
Great Egret	Casmerodius albus
Belted Kingfisher	Ceryle alcyon
Northern Flicker	Colaptes auratus
Bluejay	Cyanocitta cristata
Yellow-rumped Warbler	Dendroica coronata
Little Blue Heron	Egretta caerulea
Snowy Egret	Egretta thula
Tricolored Heron	Egretta tricolor
American Coot	Fulica americana
Yellowthroat	Geothlypis trichas
Northern Mockingbird	Mimus polyglottos
Osprey	Pandion haliaetus
Rufous-sided Towhee	Pipilo erythrophthalmus
Pied-billed Grebe	Podilymbus podiceps
Forester's Tern	Sterna forsteri
House Wren	Troglodytes aedon
Mourning Dove	Zenaida macroura

Forested wetland area, including mature hardwoods and thick undergrovth mixed vith emergent vegetation such as cattails.

Cardinal	Cardinalis cardinalis
American Goldfinch	Carduelis tristis
Marsh Wren	Cistothorus palustris
Northern Flicker	Colaptes auratus
Bluejay	Cyanocitta cristata
Prairie Warbler	Dendroica discolor
Wood Thrush	Eylocichla mustelina
Northern Mockingbird	Mimus polyglottos
Yellov-bellied Sapsucker	Sphyrapicus varius
Brown Thrasher	Toxostoma rufum

APPENDIX C

SURFACE EMISSIONS AND RADIATION SURVEY DATA

SITE 36 RADIATION
and SURFACE EMISSIONS DATA

COORDINATE LOCATION	ESP-2 SURFACE GROSS CPM	ESP-2 SURFACE GROSS DPM	OVA BACKGROUND (ppm)	OVA ABOVE BACKGROUND (ppm)
P36SG001	3000	20000	7.0	0.0
P36SG002	4000	26667	7.0	0.0
P36SG002+10E	4000	26667	7.0	0.0
P36SG002+15E	3500	23333	7.0	0.0
P36SG002+10W	4800	32000	7.0	0.0
P36SG002+15W	4500	30000	7.0	0.0
P36SG002+25W	6000	40000	7.0	0.0
P36SG002+35W	5000	33333	7.0	0.0
P36SG002+50W	2400	16000	4.0	0.0
P36SG003	3400	22667	7.0	0.0
P36SG003+25E	3800	25333	7.0	0.0
P36SG003+40E	5000	33333	7.0	0.0
P36SG004	1900	12667	7.0	0.0
P36SG005	2500	16667	7.0	0.0
P36SG006	3500	23333	7.0	0.0
P36SG007	2100	14000	7.0	0.0
P36SG008	2300	15333	7.0	0.0
P36SG009	2700	18000	7.0	0.0
P36SG009+25NE	7000	46667	4.0	0.0
P36SG010	3300	22000	4.0	0.0
P36SG010+03NE	3800	25333	7.0	0.0
P36SG010+15NE	3500	23333	7.0	0.0
P36SG010+25NE	3800	25333	7.0	0.0
P36SG011	3100	20667	4.0	0.0
P36SG011+15NE	3900	26000	4.0	0.0
P36SG011+20NE	4100	27333	4.0	0.0
P36SG011+25NE	3800	25333	4.0	0.0
P36SG011+35SW	4500	30000	4.0	0.0
P36SG011+45SW	4800	32000	4.0	0.0
P36SG012	3800	25333	4.0	0.0
P36SG012+15NE	4200	28000	4.0	0.0
P36SG012+10SW	4400	29333	4.0	0.0
P36SG012+20SW	4700	31333	4.0	0.0
P36SG012+40SW	4700	31333	4.0	0.0
P36SG013	3600	24000	4.0	0.0
P36SG013+10NE	4000	26667	4.0	0.0
P36SG013+15NE	4400	29333	4.0	0.0
P36SG013+20NE	4100	27333	4.0	0.0
P36SG013+12SW	3200	21333	4.0	0.0
P36SG013+20SW	4000	26667	4.0	0.0
P36SG014	5000	33333	4.0	0.0
P36SG014+10NE	4700	31333	4.0	0.0
P36SG014+10SW	4900	32667	4.0	0.0
P36SG014+20SW	5200	34667	4.0	0.0

SITE 36 RADIATION
and SURFACE EMISSIONS DATA

COORDINATE LOCATION	ESP-2 SURFACE GROSS CPA	ESP-2 SURFACE GROSS DPM	OVA BACKGROUND (ppm)	OVA ABOVE BACKGROUND (ppm)
P36SG014+30SW	5500	36667	4.0	0.0
P36SG014+40SW	6000	40000	4.0	0.0
P36SG014+50SW	6000	40000	4.0	0.0
P36SG015	5100	34000	4.0	0.0
P36SG015+10NE	5500	36667	4.0	0.0
P36SG015+20NE	5500	36667	4.0	0.0
P36SG015+30NE	5500	36667	4.0	0.0
P36SG015+40NE	6300	42000	4.0	0.0
P36SG015+10SW	4900	32667	4.0	0.0
P36SG015+20SW	4900	32667	4.0	0.0
P36SG015+30SW	5300	35333	4.0	0.0
P36SG015+40SW	5300	35333	4.0	0.0
P36SG015+50SW	5500	36667	4.0	0.0
P36SG016	5400	36000	4.0	0.0
P36SG016+10NE	5200	34667	4.0	0.0
P36SG016+20NE	5800	38667	4.0	0.0
P36SG016+30NE	5200	34667	4.0	0.0
P36SG016+40NE	5000	33333	4.0	0.0
P36SG016+20SW	5400	36000	4.0	0.0
P36SG016+30SW	5200	34667	4.0	0.0
P36SG016+40SW	5000	33333	4.0	0.0
P36SG017	4300	28667	4.0	0.0
P36SG017+25SW	4700	31333	4.0	0.0
P36SG017+50SW	4200	28000	4.0	0.0
P36SG018	4400	29333	4.0	0.0
P36SG018+25NE	4400	29333	4.0	0.0
P36SG018+25SW	4000	26667	4.0	0.0
P36SG018+35SW	3000	20000	4.0	0.0
P36SG018+50SW	3200	21333	4.0	0.0
P36SG019	3100	20667	4.0	0.0
P36SG019+05SW	<4000	26666	4.0	2.0
P36SG020	3000	20000	4.0	0.0
P36SG021	2600	17333	4.0	0.0
P36SG022	3000	20000	4.0	0.0
P36SG023	3300	22000	4.0	0.0
P36SG024	3400	22667	4.0	0.0
P36SG025	3900	26000	4.0	0.0
P36SG025+10N	4000	26667	4.0	0.0
P36SG025+20N	4600	30667	4.0	0.0
P36SG025+25S	<4000	26666	4.0	0.0
P36SG026	2000	13333	4.0	0.0
P36SG026+45N	<4000	26666	4.0	0.0
P36SG027	2100	14000	4.0	0.0
P36SG028	2200	14667	4.0	0.0

SITE 36 RADIATION
and SURFACE EMISSIONS DATA

COORDINATE LOCATION	ESP-2 SURFACE GROSS CPM	ESP-2 SURFACE GROSS DPM	OVA BACKGROUND (ppm)	OVA ABOVE BACKGROUND (ppm)
P36SG028+10N	<4000	26666	4.0	0.0
P36SG028+20N	2100	14000	4.0	0.0
P36SG029	2600	17333	4.0	0.0
P36SG029+30S	<4000	26666	4.0	0.0
P36SG030	3300	22000	4.0	0.0
P36SG031	2400	16000	4.0	0.0
P36SG031+15N	2600	17333	4.0	0.0
P36SG031+30N	2400	16000	4.0	0.0
P36SG032	2200	14667	4.0	0.0
P36SG032+70S	2000	13333	7.0	0.0 (Manhole = 20)
P36SG033	2000	13333	4.0	0.0
P36SG034	2100	14000	4.0	0.0
P36SG035	2000	13333	4.0	0.0
P36SG036	2000	13333	4.0	0.0
P36SG037	2400	16000	4.0	0.0
P36SG038	1800	12000	4.0	0.0
P36SG038+80W	2400	16000	4.0	0.0
P36SG039	2000	13333	4.0	0.0
P36SG039+30E	2100	14000	4.0	0.0
P36SG040	2500	16667	4.0	0.0
P36SG040+25N	2900	19333	4.0	0.0
P36SG040+20W	>15000	>100000	4.0	0.0
P36SG040+20E	>15000	>100000	4.0	0.0
P36SG041	4100	27333	4.0	0.0
P36SG042	4000	26667	4.0	0.0
P36SG042+15NE	<4000	26666	4.0	0.0
P36SG042+25W	4600	30667	4.0	0.0
P36SG043	4500	30000	4.0	0.0
P36SG043+99NE	5000	33333	4.0	0.0
P36SG043+110NE	<4000	26666	4.0	0.0
P36SG043+99SW	4500	30000	4.0	0.0
P36SG043+99SE	4500	30000	4.0	0.0
P36SG044	5300	35333	4.0	0.0
P36SG045	4600	30667	4.0	0.0
P36SG046	7000	46667	4.0	0.0
P36SG047	6000	40000	4.0	0.0
P36SG048	6100	40667	4.0	0.0
P36SG049	8000	53333	4.0	0.0
P36SG049+50SW	7000	46667	4.0	0.0
P36SG050	7200	48000	4.0	0.0
P36SG051	5000	33333	4.0	0.0
P36SG051+99SW	5300	35333	4.0	0.0
P36SG052	6500	43333	4.0	0.0

SITE 36 RADIATION
and SURFACE EMISSIONS DATA

COORDINATE LOCATION	ESP-2 SURFACE GROSS CPM	ESP-2 SURFACE GROSS DPM	OVA BACKGROUND (ppm)	OVA ABOVE BACKGROUND (ppm)
P36SG053	6800	45333	4.0	0.0
P36SG054	6200	41333	4.0	0.0
P36SG055	5400	36000	4.0	0.0
P36SG056	5300	35333	4.0	0.0
P36SG057	5500	36667	4.0	0.0
P36SG057+10E	9200	61333	4.0	0.0
P36SG057+15E	6000	40000	4.0	0.0
P36SG057+99E	7500	50000	4.0	0.0
P36SG057+85W	6000	40000	4.0	0.0
P36SG058	5100	34000	4.0	0.0
P36SG059	4800	32000	4.0	0.0
P36SG059+99E	4700	31333	4.0	0.0
P36SG060	6100	40667	4.0	0.0
P36SG061	5100	34000	4.0	0.0
P36SG061+30S	6100	40667	4.0	0.0
P36SG062	7000	46667	4.0	0.0
P36SG062+40N	6200	41333	4.0	0.0
P36SG063	4000	26667	4.0	0.0
P36SG063+25S	5000	33333	4.0	0.0
P36SG064	2900	19333	4.0	0.0
P36SG064+20N	3200	21333	4.0	0.0
P36SG065	4000	26667	4.0	0.0
P36SG066	4300	28667	4.0	0.0
P36SG066+10N	<4000	26666	4.0	0.0
P36SG066+20S	3400	22667	4.0	0.0
P36SG067	3500	23333	4.0	0.0
P36SG068	3700	24667	4.0	0.0
P36SG068+10E	5500	36667	4.0	0.0
P36SG068+25E	3100	20667	4.0	0.0
P36SG068+50E	3600	24000	4.0	0.0
P36SG068+60E	4300	28667	4.0	0.0
P36SG068+85E	<4000	26666	4.0	0.0
P36SG068+99E	6400	42667	4.0	0.0
P36SG068+40S	4300	28667	4.0	0.0
P36SG069	3200	21333	4.0	0.0
P36SG069+40N	3400	22667	4.0	0.0
P36SG070	5300	35333	4.0	0.0
P36SG070+20NW	5000	33333	4.0	0.0
P36SG070+15SE	4600	30667	4.0	0.0
P36SG070+50SE	3400	22667	4.0	0.0
P36SG071	2800	18667	4.0	0.0
P36SG072	4000	26667	4.0	0.0
P36SG073	9000	60000	4.0	0.0
P36SG073+20S	3400	22667	4.0	0.0

SITE 36 RADIATION
and SURFACE EMISSIONS DATA

COORDINATE LOCATION	ESP-2 SURFACE GROSS CPM	ESP-2 SURFACE GROSS DPM	OVA BACKGROUND (ppm)	OVA ABOVE BACKGROUND (ppm)
P36SG074	8000	53333	4.0	0.0
P36SG075	6000	40000	4.0	0.0
P36SG076	7000	46667	4.0	0.0
P36SG077	3600	24000	4.0	0.0
P36SG078	7000	46667	4.0	0.0
P36SG078+25SE	6800	45333	4.0	0.0
P36SG078+50SE	5000	33333	4.0	0.0
P36SG079	5000	33333	4.0	1.5
P36SG080	3700	24667	4.0	0.0
P36SG081	3400	22667	4.0	0.0
P36SG082	<4000	26666	4.0	0.0
P36SG083	2400	16000	4.0	0.0
P36SG083+99NE	2100	17333	4.0	0.0
P36SG083+175NE	3400	22667	4.0	0.0
P36SG084	5000	33333	4.0	0.0
P36SG085	2800	18667	4.0	0.0
P36SG086	3000	20000	4.0	0.0
P36SG087	2700	18000	4.0	0.0
P36SG088	3400	22667	4.0	0.0
P36SG088+25S	5700	38000	4.0	0.0 (Manhole = 1.5)
P36SG089	2700	18000	4.0	0.0
P36SG090	2400	16000	4.0	0.0
P36SG091	2900	19333	4.0	0.0
P36SG092	2400	16000	4.0	0.0
P36SG093	<4000	26666	4.0	0.0
P36SG094	2700	18000	4.0	0.0
P36SG095	<4000	26666	4.0	0.0
P36SG096	3500	23333	4.0	0.0
P36SG097	2600	17333	4.0	0.0
P36SG098	3000	20000	4.0	0.0
P36SG099	2700	19333	4.0	0.0
P36SG100	3100	20667	4.0	0.0
P36SG101	4000	26667	4.0	0.0
P36SG102	3600	24000	7.0	0.0 (Trench = 200)
P36SG102+20S	5000	33000	7.0	0.0
P36SG102+99S	4000	26667	7.0	0.0
P36SG102+120S	4600	30667	7.0	0.0
P36SG103	<4000	26666	7.0	0.0
P36SG103+05W	2600	17333	7.0	0.0
P36SG104	2400	16000	7.0	0.0
P36SG105	2200	14667	7.0	0.0
P36SG106	2000	13333	7.0	0.0

SITE 36 RADIATION
and SURFACE EMISSIONS DATA

COORDINATE LOCATION	ESP-2 SURFACE GROSS CPM	ESP-2 SURFACE GROSS DPM	OVA BACKGROUND (ppm)	OVA ABOVE BACKGROUND (ppm)
P36SG106+15E	<4000	26666	7.0	0.0
P36SG106+99E	2300	15333	7.0	0.0
P36SG106+20W	1800	12000	7.0	0.0
P36SG107	2500	16667	4.0	0.0
P36SG107+30N	2900	19333	4.0	0.0
P36SG108	2600	17333	4.0	0.0 (Manhole = 280)
P36SG109	2300	15333	4.0	0.0
P36SG110	3100	20667	4.0	0.0
P36SG111	3000	20000	4.0	0.0
P36SG111+99E	3000	20000	4.0	0.0
P36SG112	<4000	26666	4.0	0.0
P36SG113	3000	20000	4.0	0.0
P36SG114	<4000	26666	4.0	0.0
P36SG115	2900	19333	4.0	0.0
P36SG116	3500	23333	4.0	0.0
P36SG116+10SW	4100	27333	4.0	0.0
P36SG116+25SW	4200	28000	4.0	0.0
P36SG116+35SW	4400	29333	4.0	0.0
P36SG116+40SW	4400	29333	4.0	0.0
P36SG117	3800	25333	4.0	0.0
P36SG117+10NW	4200	28000	4.0	0.0
P36SG118	4000	26667	4.0	0.0
P36SG119	4000	26667	4.0	0.0
P36SG119+15SW	4600	30667	4.0	0.0
P36SG119+20SW	5100	34000	4.0	0.0
P36SG119+30SW	4600	30667	4.0	0.0
P36SG119+35SW	5600	37333	4.0	0.0
P36SG119+50SW	5000	33333	4.0	0.0
P36SG119+70SW	4800	32000	4.0	0.0
P36SG119+75SW	4400	29333	4.0	0.0
P36SG119+99SW	4400	29337	4.0	0.0
P36SG120	5500	36667	4.0	0.0
P36SG120+10NE	6000	40000	4.0	0.0
P36SG120+20NE	5400	36000	4.0	0.0
P36SG120+55NE	5000	33333	4.0	0.0
P36SG120+65NE	4200	28000	4.0	0.0
P36SG120+80NE	4000	26667	4.0	0.0
P36SG120+10SW	4500	30000	4.0	0.0
P36SG120+25SW	4100	27333	4.0	0.0
P36SG120+99SW	3200	21333	4.0	0.0
P36SG121	3200	21333	4.0	0.0
P36SG121+25S	4600	30667	4.0	0.0
P36SG122	5000	33333	4.0	0.0

SITE 36 RADIATION
and SURFACE EMISSIONS DATA

COORDINATE LOCATION	ESP-2 SURFACE GROSS CPM	ESP-2 SURFACE GROSS DPM	OVA BACKGROUND (ppm)	OVA ABOVE BACKGROUND (ppm)
P36SG122+20S	4000	26667	4.0	0.0
P36SG122+65S	4300	28667	4.0	0.0
P36SG123	4400	29333	4.0	0.0
P36SG123+15N	<4000	26666	4.0	0.0
P36SG124	3900	26000	4.0	0.0
P36SG125	4000	26667	4.0	0.0
P36SG125+10S	e4000	26666	4.0	0.0
P36SG125+30S	4000	26667	4.0	0.0
P36SG125+50S	3500	23333	4.0	0.0
P36SG126	5200	34667	4.0	0.0
P36SG126+20N	4500	30000	4.0	0.0
P36SG126+10S	4600	30667	4.0	0.0
P36SG126+40S	5000	33333	4.0	0.0
P36SG126+50S	4600	30667	4.0	0.0
P36SG127	4800	32000	4.0	0.0
P36SG127+10N	5200	34667	4.0	0.0
P36SG127+20S	5000	33333	4.0	0.0
P36SG128	4700	31333	4.0	0.0
P36SG128+20S	5300	35333	4.0	0.0
P36SG129	5000	33333	4.0	0.0
P36SG129+45S	5500	36667	4.0	0.0
P36SG130	5300	35333	4.0	0.0
P36SG130+35N	5000	33333	4.0	0.0
P36SG131	5400	36000	4.0	0.0
P36SG132	5300	35333	4.0	0.0
P36SG133	5100	34000	4.0	0.0
P36SG134	4600	30667	4.0	0.0
P36SG134+20N	5400	36000	4.0	0.0
P36SG134+45N	4800	32000	4.0	0.0
P36SG134+10S	<4000	26666	4.0	0.0
P36SG134+25S	5500	36667	4.0	0.0
P36SG135	4200	28000	4.0	0.0
P36SG135+15N	4000	26667	4.0	0.0
P36SG135+30N	5000	33333	4.0	0.0
P36SG135+25S	7000	46667	4.0	0.0
P36SG135+50S	4000	26667	4.0	0.0
P36SG136	3800	25333	4.0	0.0
P36SG136+10S	4200	28000	4.0	0.0
P36SG137	4000	26667	4.0	0.0
P36SG137+20N	4000	26667	4.0	0.0
P36SG137+45N	4600	30667	4.0	0.0
P36SG137+45N	4400	29333	4.0	0.0
P36SG137+10S	<4000	26666	4.0	0.0
P36SG137+18S	<4000	26666	4.0	0.0

SITE 36 RADIATION
and SURFACE EMISSIONS DATA

COORDINATE LOCATION	ESP-2 SURFACE GROSS CPM	ESP-2 SURFACE GROSS DPM	OVA BACKGROUND (ppm)	OVA ABOVE BACKGROUND (ppm)
P36SG137+35S	4200	28000	4.0	0.0
P36SG138	3600	24000	4.0	0.0
P36SG138+04N	<4000	26666	4.0	0.0
P36SG138+15N	<4000	26666	4.0	0.0
P36SG139	4100	27333	4.0	0.0
P36SG139+10S	4600	30667	4.0	0.0
P36SG140	4000	26667	4.0	0.0
P36SG140+40N	4400	29333	4.0	0.0
P36SG140+25SW	7000	46667	4.0	0.0
P36SG140+35SW	10000	66667	4.0	0.0
P36SG140+40SW	8000	53333	4.0	0.0
P36SG140+50SW	4000	26667	4.0	0.0
P36SG140+85SW	4600	30667	4.0	0.0
P36SG141	4400	29333	4.0	0.0
P36SG141+10E	4500	30000	4.0	0.0
P36SG141+85E	4000	26667	4.0	0.0
P36SG141+99E	4200	28000	4.0	0.0
P36SG141+30W	4700	31333	4.0	0.0
P36SG142	3400	22667	4.0	0.0
P36SG142+40E	4300	28667	4.0	0.0
P36SG142+30W	<4000	26666	4.0	0.0
P36SG142+50W	5800	38667	4.0	0.0
P36SG143	3300	22000	4.0	0.0
P36SG143+30E	4000	26667	4.0	0.0
P36SG143+15W	4700	31333	4.0	0.0
P36SG144+10E	5500	36667	7.0	0.0
P36SG144	4700	31333	7.0	0.0
P36SG145	5600	37333	7.0	0.0
P36SG145+50S	2700	18000	7.0	0.0
P36SG145+80S	4800	32000	7.0	0.0
P36SG145+90S	6000	40000	7.0	0.0
P36SG145+15E	4000	26667	7.0	0.0
P36SG146	2100	14000	7.0	0.0
P36SG146+99N	2300	15333	7.0	0.0
P36SG146+40NE	3200	21333	7.0	0.0
P36SG146+80NE	3200	21333	7.0	0.0
P36SG147	2100	14000	7.0	0.0
P36SG148	2200	14667	7.0	0.0
P36SG148+20SW	2200	14667	7.0	0.0
P36SG149	6000	40000	7.0	0.0
P36SG150	5000	33333	7.0	0.0
P36SG150+30E	6000	40000	7.0	2.0
P36SG151	4500	30000	7.0	0.0
P36SG152	<4000	26666	7.0	0.0

SITE 36 RADIATION
and SURFACE EMISSIONS DATA

COORDINATE LOCATION	ESP-2 SURFACE GROSS CPM	ESP-2 SURFACE GROSS DPM	OVA BACKGROUND (ppm)	OVA ABOVE BACKGROUND (ppm)
P36SG152+75N	2400	16000	7.0	0.0
P36SG152+99NW	2900	19333	7.0	0.0
P36SG153	3300	22000	7.0	0.0
P36SG153+15NE	4700	31333	7.0	0.0
P36SG153+25NE	4100	27333	7.0	0.0
P36SG154	2600	17333	7.0	0.0
P36SG155	3900	26000	7.0	0.0
P36SG156	2200	14667	4.0	0.0
P36SG157	2000	13333	4.0	0.0
P36SG158	2200	14667	4.0	0.0
P36SG159	2000	13333	4.0	0.0
P36SG160	2000	13333	4.0	0.0
P36SG161	3000	20000	4.0	0.0
P36SG161+15N	<4000	26666	4.0	0.0
P36SG161+25S	3000	20000	4.0	0.0
P36SG162	2000	13333	7.0	O,O
P36SG162+25NW	<4000	26666	7.0	0.0
P36SG162+90NE	2000	13333	7.0	O,O
P36SG162+99NE	1700	11333	7.0	0.0
P36SG162+180NE	1900	12667	7.0	O,O
P36SG163	1800	12000	7.0	0.0
P36SG164	1800	12000	7.0	0.0
P36SG165	2100	14000	7.0	0.0
P36SG166	1900	12667	7.0	0.0
P36SG167	2200	14667	7.0	0.0
P36SG168	2400	16000	7.0	0.0
P36SG168+99NW	2300	15333	7.0	0.0
P36SG169	3200	21333	7.0	0.0
P36SG169+20NW	5700	38000	7.0	0.0
P36SG169+35NW	5000	33333	7.0	0.0
P36SG169+60SE	4100	27333	7.0	0.0
P36SG170	2800	18667	7.0	2.5 (Manhole = 550)
P36SG170+10NW	<4000	26666	7.0	2.5
P36SG170+50NW	3200	21333	7.0	1.2
P36SG170+99NW	2300	15333	7.0	0.0
P36SG171	3400	22667	7.0	1.5 (Water = 5)
P36SG171+100NW	3600	24000	7.0	0.0
	>10000	>66667	7.0	150 (Manhole)
P36SG172	2200	14667	7.0	0.0
P36SG172+15SE	2100	14000	7.0	0.0 (Manhole = 280)
P36SG172+99SE	3600	24000	7.0	0.0
P36SG172+35NW	<4000	26666	7.0	4.0

SITE 36 RADIATION and SURFACE EMISSIONS DATA

COORDINATE LOCATION	ESP-2 SURFACE GROSS CPM	ESP-2 SURFACE GROSS DPM	OVA BACKGROUND (ppm)	OVA ABOVE BACKGROUND (ppm)
P36SG173	6000	40000	7.0	0.0
P36SG173+80SE	5400	36000	7.0	0.0
P36SG173+99SE	7700	51333	7.0	0.0
P36SG174	2100	14000	7.0	0.0
P36SG175	2100	14000	7.0	0.0
P36SG175+75E	2000	13333	7.0	0.0
P36SG175+99E	1700	11333	7.0	0.0
P36SG176	2500	16667	4.0	0.0
P36SG177	2500	16667	4.0	0.0
P36SG178	2000	13333	4.0	0.0
P36SG178+25N	2000	13333	4.0	0.0
P36SG178+35S	<4000	26666	4.0	0.0
P36SG179	<4000	26666	4.0	0.0
P36SG180	2550	17000	4.0	0.0
P36SG180+99E	3100	20667	4.0	0.0
				(Manhole = 12)
P36SG181	2100	14000	4.0	0.0
P36SG182	2800	18667	4.0	0.0
P36SG183	2900	19333	4.0	0.0
P36SG184	2000	13333	4.0	0.0
P36SG185	ND	ND	ND	ND (NO DATA)
P36SG186	ND	ND	ND	ND
P36SG187	ND	ND	ND	ND
P36SG188	ND	ND	ND	ND
P36SG189	3000	20000	7.0	0.0
P36SG189+20NW	5100	34000	7.0	0.0
P36SG189+35NW	4000	26667	7.0	0.0
P36SG189+50NW	5000	33333	7.0	0.0
P36SG190	ND	ND	ND	ND
P36SG191	4600	30667	7.0	0.0
P36SG191+50NW	5400	36000	7.0	0.0
P36SG191+30SE	6300	42000	7.0	0.0
P36SG191+40SE	4000	26667	7.0	0.0
P36SG192	7300	48667	7.0	0.0
P36SG192+20SE	8300	55333	7.0	0.0
P36SG193	8000	53333	7.0	0.0
P36SG194	7800	52000	7.0	0.0
P36SG194+40NW	6000	40000	7.0	0.0
P36SG195	5200	34667	7.0	0.0
P36SG196	2800	18667	4.0	0.0
				(Manhole = 25)
P36SG197	2600	17333	4.0	0.0
P36SG198	<4000	26666	4.0	0.0
P36SG199	2800	18667	4.0	0.0

SITE 36 RADIATION
and SURFACE EMISSIONS DATA

COORDINATE LOCATION	ESP-2 SURFACE GROSS CPM	ESP-2 SURFACE GROSS DPM	OVA BACKGROUND (ppm)	OVA ABOVE BACKGROUND (ppm)
P36SG200	2300	15333	4.0	0.0
P36SG201	2700	18000	4.0	0.0
P36SG201+40S	<4000	26666	4.0	0.0
P36SG202	2700	18000	4.0	0.0
P36SG203	2500	16667	4.0	0.0
P36SG203+99E	2600	17333	4.0	0.0
P36SG203+80W	4600	30667	4.0	0.0
P36SG203+99W	3200	21333	4.0	0.0
P36SG204	3500	23333	4.0	0.0
P36SG205	3200	21333	4.0	0.0
P36SG205+100NW	2900	19333	4.0	0.0
P36SG205+240W	2200	14667	4.0	0.0
P36SG205+45E	4000	26667	4.0	0.0
P36SG206	<4000	26666	7.0	0.0
P36SG207	2600	17333	7.0	0.0
P36SG207+15SW	5000	33333	7.0	0.0
P36SG208	3200	21333	7.0	0.0
P36SG208+40NW	3800	25333	7.0	0.0
P36SG209	4000	26667	7.0	0.0
P36SG210	3400	22667	7.0	5.0
P36SG210+25NW	2800	18667	7.0	0.0
P36SG210+45NW	4000	26667	7.0	0.0
P36SG211	2600	17333	7.0	0.0
P36SG211+75NW	4400	29333	7.0	0.0
P36SG211+99SE	2200	14667	7.0	0.0
P36SG212	3000	20000	7.0	0.0
P36SG213	6000	40000	7.0	0.0
P36SG214	<4000	26666	7.0	0.0
P36SG215	<4000	26666	7.0	0.0
P36SG216	4600	30667	4.0	0.0
P36SG217	6200	41333	4.0	0.0
P36SG218	4800	32000	4.0	0.0
P36SG218+20E	3600	24000	4.0	0.0
P36SG218+35E	2500	16667	4.0	0.0
P36SG218+60E	<4000	26666	4.0	0.0
P36SG218+70E	5000	33333	7.0	0.0
P36SG218+170E	3500	23333	4.0	3.5
P36SG219	2800	18667	4.0	0.0
P36SG220	2700	18000	4.0	0.0 (Manhole = 1.5)
P36SG221	2500	16667	4.0	0.0
P36SG222	4000	26667	4.0	0.0
P36SG223	6000	40000	7.0	0.0
P36SG224	2800	18667	7.0	0.0

SITE 36 RADIATION
and SURFACE EMISSIONS DATA

COORDINATE LOCATION	ESP-2 SURFACE GROSS CPM	ESP-2 SURFACE GROSS DPM	OVA BACKGROUND (ppm)	OVA ABOVE BACKGROUND (ppm)
P36SG224+40NE	<4000	26666	7.0	0.0
P36SG224+50NE	<4000	26666	7.0	0.0
P36SG225	2400	16000	7.0	0.0
P36SG225+20SW	4500	30000	7.0	0.0
P36SG225+50SW	4500	30000	7.0	0.0
P36SG226	2100	14000	7.0	0.0

APPENDIX D

TEMPORARY MONITORING WELL, SOIL BORING, AND LITHOLOGIC INFORMATION

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B002/P36TW002
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/13/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 7.06
11) Length of well screen: 5
12) Length of casing (BLS): 2.06
13) Approx. height of casing above land surface: 3.02
14) Depth to water in well (BTOC): 6.79
15) Elevation of TOC: 7.35
16) Water level elevation: 0.56
17) Date groundwater sampled: 08/13/91
18) pH (units): 6.0
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 140
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Light tan sand, very fine grained.
1.0- 2.0	Grey sand, fine to medium grained.
2.0- 10.0	White sand, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B004/P36TW004
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/13/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to vater in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 1.0
10) Depth of well (BLS): 8.65
11) Length of well screen: 5
12) Length of casing (BLS): 3.65
13) Approx. height of casing above land surface: 1.37
14) Depth to water in well (BTOC): 5.41
15) Elevation of TOC: 6.05
16) Water level elevation: 0.64
17) Date groundwater sampled: 08/13/91
18) pH (units): 5.9
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 165
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Light tan sand, very fine grained.
1.0- 2.0	Dark brown sand, medium grained.
2.0- 3.5	Light tan sand, fine to medium grained intermixed with orange sand, fine to medium grained.
3.5- 4.5	Grey sand, medium grained.
4.5- 5.0	Dark brown sand, medium grained.
5.0- 10.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = belov land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B005/P36TW005
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/13/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 7.0
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 6.56
11) Length of well screen: 5
12) Length of casing (BLS): 1.56
13) Approx. height of casing above land surface: 3.40
14) Depth to water in well (BTOC): 7.26
15) Elevation of TOC: 7.85
16) Water level elevation: 0.59
17) Date groundwater sampled: 08/13/91
18) pH (units): 6.1
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 225
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Sulfur odor in purge water.

BOREHOLE LITBOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 3.0	Light tan sand, very fine grained.
3.0- 5.0	Dark grey sand, medium grained.
5.0- 7.0	Black sand, fine grained intermixed with organic material.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B007/P36TW007
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/13/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 6.0
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 6.50
11) Length of vell screen: 5
12) Length of casing (BLS): 1.50
13) Approx. height of casing above land surface: 3.57
14) Depth to vater in vell (BTOC): 7.90
15) Elevation of TOC: 8.51
16) Vater level elevation: 0.61
17) Date groundvater sanpled: 08/13/91
18) pH (units): 6.3
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): *240*
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.7	Light brown sand, medium grained.
0.7- 5.0	Dark brown sand, fine to medium grained.
5.0- 6.0	Dark grey sand, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA =hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

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3

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B009/P36TW009
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/13/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 7.17
11) Length of well screen: 5
12) Length of casing (BLS): 2.17
13) Approx. height of casing above land surface: 2.93
14) Depth to water in well (BTOC): 6.58
15) Elevation of TOC: 7.26
16) Water level elevation: 0.68
17) Date groundwater sampled: 08/13/91
18) pH (units): 6.2
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 140
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREEOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Light brown sand, medium grained.
1.0- 2.0	Light tan sand, medium grained.
2.0- 10.0	White sand, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B011/P36TW011
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/13/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 1.0
10) Depth of well (BLS): 7.46
11) Length of well screen: 5
12) Length of casing (BLS): 2.46
13) Approx. height of casing above land surface: 2.66
14) Depth to water in well (BTOC): 7.54
15) Elevation of TOC: 8.48
16) Water level elevation: 0.94
17) Date groundwater sampled: 08/14/91
18) pH (units): 6.1
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 90
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.8	Backfill.
0.8- 2.0	Light tan sand, fine to medium grained.
2.0- 2.5	Light yellow sand, fine to medium grained.
2.5- 10.0	Vhite sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36BO14/P36TWO14
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/14/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 1.0
10) Depth of well (BLS): 9.30
11) Length of well screen: 5
12) Length of casing (BLS): 4.30
13) Approx. height of casing above land surface: 0.80
14) Depth to water in well (BTOC): 6.60
15) Elevation of TOC: 7.47
16) Water level elevation: 0.87
17) Date groundwater sampled: 08/14/91
18) pH (units): 6.4
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 240
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Fill, red sand, medium grained.
0.5- 5.0	Light tan sand, medium grained intermixed with red rock and pebbles.
5.0- 10.0	White sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B016
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/14/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 5
8) Depth to water in borehole (BLS): NA
9) Highest open-borehole OVA/HNu reading (ppm): 0
10) Depth of well (BLS): NA
11) Length of well screen: NA
12) Length of casing (BLS): NA
13) Approx. height of casing above land surface: NA
14) Depth to water in well (BTOC): NA
15) Elevation of TOC: NA
16) Vater level elevation: NA
17) Date groundwater sampled: NA
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method: NA
22) Comments: Could not auger below 5 ft. BLS.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Dark brown sand, medium grained.
0.5- 3.0	Light brown sand, medium grained.
3.0- 5.0	White sand, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless othervise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA =hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B018/P36TW018
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/13/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 5
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 6.50
11) Length of well screen: 5
12) Length of casing (BLS): 1.50
13) Approx. height of casing above land surface: 3.48
14) Depth to water in well (BTOC): 6.50
15) Elevation of TOC: 7.88
16) Water level elevation: 1.38
17) Date groundwater sampled: 08/14/91
18) pH (units): 6.6
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 160
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Well water recharged slowly.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 2.0	Reddish brown sand, medium grained.
2.0- 5.0	Dark brown sand, medium grained intermixed with peat.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B020/P36TW020
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/14/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 5.0
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 7.38
11) Length of well screen: 5
12) Length of casing (BLS): 2.38
13) Approx. height of casing above land surface: 2.62
14) Depth to water in well (BTOC): 6.33
15) Elevation of TOC: 7.72
16) Vater level elevation: 1.39
17) Date groundwater sampled: 08/14/91
18) pH (units): 6.5
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 120
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 2.0	Light tan sand, medium grained.
2.0- 4.0	Grey sand, fine grained.
4.0- 5.0	Peat intermixed with white sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 36
2) Boring no./Well no.: P36B022/P36TW022
3) Drilling firm: Grounwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/14/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 5.0
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): NR
10) Depth of well (BLS): 7.33
11) Length of well screen: 5
12) Length of casing (BLS): 2.33
13) Approx. height of casing above land surface: 2.73
14) Depth to water in well (BTOC): 7.09
15) Elevation of TOC: 8.37
16) Water level elevation: 1.28
17) Date groundwater sampled: 08/14/91
18) pH (units): 6.7
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 105
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Light tan sand, medium grained.
1.0- 2.0	Red sand, medium grained.
2.0- 5.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INPORXATION

1) Site no.: 36
2) Boring no./Well no.: P36BO24/P36TWO24
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/14/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 5.0
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 9.01
11) Length of well screen: 5
12) Length of casing (BLS): 4.01
13) Approx. height of casing above land surface: 1.09
14) Depth to water in well (BTOC): 6.64
15) Elevation of TOC: 8.47
16) Water level elevation: 1.83
17) Date groundwater sampled: 08/14/91
18) pH (units): 6.5
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 170
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Light tan sand, medium grained.
1.0- 2.5	White sand, fine grained.
2.5- 3.0	Red sand, medium grained.
3.0- 5.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA =hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36BO26/P36TWO26
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/14/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 5.0
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 1.0
10) Depth of well (BLS): 9.03
11) Length of well screen: 5
12) Length of casing (BLS): 4.03
13) Approx. height of casing above land surface: 1.01
14) Depth to water in well (BTOC): 6.82
15) Elevation of TOC: 8.18
16) Water level elevation: 1.36
17) Date groundwater sampled: 08/14/91
18) pH (units): 6.3
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 40
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREEOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 2.0	Light tan sand, fine grained.
2.0- 5.0	Light yellow-light tan sand (intermixed) both are fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B036/P36TW036
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/09/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 5.0
8) Depth to water in borehole (BLS): 3.0
9) Highest open-borehole OVA/HNu reading (ppm): 6.0
10) Depth of well (BLS): 4.70
11) Length of well screen: 5.0
12) Length of casing (BLS): 0.0
13) Approx. height of casing above land surface: 0.3
14) Depth to water in well (BTOC): 3.50
15) Elevation of TOC: 4.63
16) Water level elevation: 1.13
17) Date groundwater sampled: 07/10/91
18) pH (units): 9.35
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 218
21) Borehole/Well abandonment method: Backfilled with cut-ings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Concrete apron.
0.5- 3.0	Light grey sand, fine to medium grained.
3.0- 5.0	Light grey to dark grey sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA =hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B030/P36TW030
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/14/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 5
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 9.09
11) Length of well screen: 5
12) Length of casing (BLS): 4.09
13) Approx. height of casing above land surface: 0.83
14) Depth to water in well (BTOC): 6.64
15) Elevation of TOC: 8.04
16) Water level elevation: 1.40
17) Date groundwater sampled: 08/14/91
18) pH (units): 6.2
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 100
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 3.0	Light brown sand, fine grained.
3.0- 4.0	Grey sand, fine to medium grained.
4.0- 5.0	White sand, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36BO39/P36TWO39
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/10/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 6.5
9) Highest open-borehole OVA/HNu reading (ppa): 300
10) Depth of well (BLS): 8.07
11) Length of well screen: 5
12) Length of casing (BLS): 3.07
13) Approx. height of casing above land surface: 1.93
14) Depth to water in well (BTOC): 6.16
15) Elevation of TOC: 7.07
16) Water level elevation: 0.91
17) Date groundwater sampled: 07/10/91
18) pH (units): 7.1
19) Temperature (degrees C): 30
20) Specific conductance (umhos/cm): 230
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Petroleum odor at 10 ft., soil somewhat coated with product.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Concrete apron.
0.5- 2.5	Light tan sand, medium grained with shale lag.
2.5- 5.0	Light tan sand, medium grained with shale lag.
5.0- 10.0	Dark grey sand, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless othervise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFOWTION

1) Site no.: 36
2) Boring no./Well no.: P36BO34/P36TWO34
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/09/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 5.0
8) Depth to water in borehole (BLS): 3.0
9) Highest open-borehole OVA/HNu reading (ppm): 6.8
10) Depth of well (BLS): 4.88
11) Length of well screen: 5.0
12) Length of casing (BLS): 0
13) Approx. height of casing above land surface: 0.12
14) Depth to water in well (BTOC): 3.24
15) Elevation of TOC: 4.40
16) Water level elevation: 1.16
17) Date groundwater sampled: 07/10/91
18) pH (units): 7.15
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 242
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Concrete apron.
0.5- 3.0	Light grey sand, medium grained.
3.0- 5.0	Light grey sand, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B042/P36TW042
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/09/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 15
8) Depth to vater in borehole (BLS): 5
9) Highest open-borehole OVA/HNu reading (ppm): 8.6
10) Depth of well (BLS): 12.78
11) Length of well screen: 5
12) Length of casing (BLS): 7.78
13) Approx. height of casing above land surface: 2.04
14) Depth to water in well (BTOC): 6.91
15) Elevation of TOC: 8.07
16) Water level elevation: 1.16
17) Date groundwater sampled: 07/09/91
18) pH (units): 6.9
19) temperature (degrees C): 27
20) Specific conductance (umhos/cm): 122
21) Borehole/Well abandonaent method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 2.3	Light tan sand, medium grained-intermixed with shale lag.
2.3- 5.0	Light tan sand, medium grained, intermixed with orange sand, medium grained.
5.0- 7.0	As above.
7.0- 10.0	White sand, coarse grained.
10.0- 15.0	As above.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter; All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B038/P36TW038
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/10/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 3.5
9) Highest open-borehole OVA/HNu reading (ppm): >1000
10) Depth of well (BLS): 7.98
11) Length of well screen: 5
12) Length of casing (BLS): 2.98
13) Approx. height of casing above land surface: 2.02
14) Depth to water in well (BTOC): 6.47
15) Elevation of TOC: 6.99
16) Water level elevation: 0.52
17) Date groundwater sampled: 07/10/91
18) pH (units): 7.25
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 195
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Unusual odor noted (not petroleum).

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Concrete apron.
0.5- 4.0	Light tan sand, medium grained.
4.0- 5.0	Light tan sand, medium grained.
5.0- 10.0	Dark grey sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B045/P36TW045
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/10/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 15
8) Depth to water in borehole (BLS): 7.5
9) Highest open-borehole OVA/HNu reading (ppm): 58
10) Depth of well (BLS): 9.11
11) Length of well screen: 5
12) Length of casing (BLS): 4.11
13) Approx. height of casing above land surface: 0.89
14) Depth to water in well (BTOC): 6.39
15) Elevation of TOC: 7.86
16) Water level elevation: 1.47
17) Date groundwater sampled: 07/10/91
18) pH (units): 7.1
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 238
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Red clayey sand, fine to medium grained with minor shale lag.
0.5- 1.5	Dark brown sand, medium grained.
1.5- 3.0	As above.
3.0- 5.0	As above.
5.0- 10.0	White sand, medium to coarse grained.
10.0- 15.0	White sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well inatallation. Unless othervise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B040/P36TW040
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/09/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 15
8) Depth to water in borehole (BLS): 5
9) Highest open-borehole OVA/HNu reading (ppm): 400
10) Depth of well (BLS): 13.00
11) Length of well screen: 5
12) Length of casing (BLS): 8
13) Approx. height of casing above land surface: 2.00
14) Depth to water in well (BTOC): 5.94
15) Elevation of TOC: 7.22
16) Water level elevation: 1.28
17) Date groundwater sampled: 07/09/91
18) pH (units): 6.8
19) Temperature (degrees C): 25
20) Specific conductance (umhos/cm): 130
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Petroleum odor in first 10 ft.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Concrete apron.
0.5- 3.0	Grey sand, medium grained.
3.0- 5.0	Grey to dark grey sand, medium to coarse grained.
5.0- 10.0	Grey to dark grey sand, medium to coarse grained.
10.0- 15.0	White sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no. : P36B048/P36TW048
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/10/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 6.5
9) Highest open-borehole OVA/HNu reading (ppm): 12
10) Depth of well (BLS): 8.95
11) Length of well screen: 5
12) Length of casing (BLS): 3.95
13) Approx. height of casing above land surface: 1.05
14) Depth to water in well (BTOC): 6.14
15) Elevation of TOC: 7.88
16) Vater level elevation: 1.74
17) Date groundvater sampled: 07/11/91
18) pH (units): 6.8
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 285
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Red clayey sand, fine to medium grained with small amount of shale lag.
0.5- 3.5	Dark brown sand, medium grained.
3.5- 5.0	White sand, fine to medium grained.
5.0- 10.0	As above.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) vas used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36BO44/P36TWO44
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/14/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 4.5
9) Highest open-borehole OVA/HNu reading (ppm): 2
10) Depth of well (BLS): 9.03
11) Length of well screen: 5
12) Length of casing (BLS): 4.03
13) Approx. height of casing above land surface: 0.97
14) Depth to water in well (BTOC): 6.17
15) Elevation of TOC: 7.54
16) Water level elevation: 1.37
17) Date groundwater sampled: 07/14/91
18) pH (units): 6.6
19) Temperature (degrees C): 26
20) Specific conductance (umhos/cm): 302
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.25	Asphalt.
0.25- 0.7	Sandy clay fill.
0.7- 1.0	Asphalt.
1.0- 1.5	Dark grey sand and shell (fill).
1.5- 1.7	Light grey sand, medium grained.
1.7- 2.5	Medium grey sand and gravel fill.
2.5-10.0	Light grey sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations ar measured in feet. All boreholes are 4 inches in diameter. All welf casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B053/P36TW053
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/11/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5.5
9) Highest open-borehole OVA/HNu reading (ppm): 0.1
10) Depth of well (BLS): 8.93
11) Length of well screen: 5
12) Length of casing (BLS): 3.93
13) Approx. height of casing above land surface: 1.07
14) Depth to water in well (BTOC): 6.46
15) Elevation of TOC: 7.89
16) Water level elevation: 1.43
17) Date groundwater sampled: 07/11/91
18) pH (units): 6.8
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 220
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.7	Backfill.
0.7- 3.5	Dark grey sand, medium grained.
3.5- 5.0	As above.
5.0- 10.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B046/P36TW046
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/11/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 6.0
9) Highest open-borehole OVA/HNu reading (ppm): 1.0
10) Depth of well (BLS): 9.11
11) Length of well screen: 5
12) Length of casing (BLS): 4.11
13) Approx. height of casing above land surface: 0.89
14) Depth to water in well (BTOC): 6.71
15) Elevation of TOC: 8.27
16) Water level elevation: 1.56
17) Date groundwater sampled: 07/11/91
18) pH (units): 7.5
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 360
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Red clayey sand, fine to medium grained.
0.5- 4.0	Brown sand, medium grained.
4.0- 5.0	As above.
5.0- 6.5	As above.
6.5- 10.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand au er
NR = No Readfng

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INFORHATION

1) Site no.: 36
2) Boring no./Well no.: P36B055/P36TW055
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/11/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 6.5
9) Highest open-borehole OVA/HNu reading (ppm): 0.6
10) Depth of well (BLS): 8.93
11) Length of well screen: 5.0
12) Length of casing (BLS): 3.93
13) Approx. height of casing above land surface: 1.07
14) Depth to water in well (BTOC): 6.57
15) Elevation of TOC: 7.99
16) Vater level elevation: 1.42
17) Date groundwater sampled: 07/11/91
18) pH (units): 6.7
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 235
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Red clayey sand, medium grained (backfill).
0.3- 3.5	Dark grey sand, medium grained intermixed with possible asphalt.
3.5- 5.0	White sand, fine to medium grained.
5.0- 10.0	White sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B049/P36TW049
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/11/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 6.0
9) Highest open-borehole OVA/HNu reading (ppm): 1.4
10) Depth of well (BLS): 8.52
11) Length of well screen: 5
12) Length of casing (BLS): 3.52
13) Approx. height of casing above land surface: 1.48
14) Depth to water in well (BTOC): 7.01
15) Elevation of TOC: 8.88
16) Water level elevation: 1.87
17) Date groundwater sampled: 07/12/91
18) pH (units): 7.2
19) Temperature (degrees C): 34
20) Specific conductance (umhos/cm): 270
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Backfill.
0.3- 4.0	Brown sand, medium grained intermixed with white sand, medium grained.
4.0- 5.0	Brown sand, medium grained.
5.0- 7.5	As above.
7.5- 10.0	White to grey sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B058/P36TW058
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/12/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5.5
9) Highest open-borehole OVA/HNu reading (ppm): 200
10) Depth of well (BLS): 8.71
11) Length of well screen: 5.0
12) Length of casing (BLS): 3.71
13) Approx. height of casing above land surface: 1.29
14) Depth to water in well (BTOC): NR
15) Elevation of TOC: 9.14
16) Vater level elevation: NR
17) Date groundwater sampled: 07/12/91
18) pH (units): 6.7
19) Temperature (degrees C): 29
20) Specific conductauce (umhos/cm): 175
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Soil from 5.5 to 9.0 ft. coated with petroleum product. Sheen noted.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Brown sand, medium grained.
0.5- 1.5	Dark brown to black sand, medium grained.
1.5- 5.0	Light brown sand, medium grained.
5.0- 9.0	Grey to black sand, medium grained, coated with petroleum product.
9.0- 10.0	White sand, coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B054/P36TW054
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/11/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 6.0
9) Highest open-borehole OVA/HNu reading (ppm): 1.0
10) Depth of well (BLS): 9.13
11) Length of well screen: 5.0
12) Length of casing (BLS): 4.13
13) Approx. height of casing above land surface: 0.87
14) Depth to water in well (BTOC): 6.89
15) Elevation of TOC: 8.33
16) Water level elevation: 1.44
17) Date groundwater sampled: 07/11/91
18) pH (units): 6.95
19) Temperature (degrees C): 30
20) Specific conductance (umhos/cm): 215
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Red clayey sand (backfill).
0.3- 5.0	Grey to dark grey sand, very fine grained.
5.0- 10.0	White sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B028/P36TW028
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/14/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 1.0
10) Depth of well (BLS): 9.17
11) Length of well screen: 5
12) Length of casing (BLS): 4.17
13) Approx. height of casing above land surface: 0.77
14) Depth to water in well (BTOC): 6.62
15) Elevation of TOC: 8.05
16) Water level elevation: 1.43
17) Date groundwater sampled: 08/14/91
18) pH (units): 6.2
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 130
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 5.0	Light tan sand, medium grained.
5.0- 10.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = NO Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B057/P36TW057
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/12/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5.0
9) Highest open-borehole OVA/HNu reading (ppm): 0.5
10) Depth of well (BLS): 9.03
11) Length of well screen: 5.0
12) Length of casing (BLS): 4.03
13) Approx. height of casing above land surface: 0.97
14) Depth to water in well (BTOC): 6.56
15) Elevation of TOC: 8.15
16) Water level elevation: 1.59
17) Date groundwater sampled: 07/12/91
18) pH (units): 9.7
19) Temperature (degrees C): 36
20) Specific conductance (umhos/cm): 280
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.75	Concrete.
0.75- 3.5	Light tan sand, medium grained.
3.5- 5.0	Dark brown sand, medium grained with light orange brick fragments.
5.0- 6.5	As above.
6.5- 10.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INPOWTION

1) Site no.: 36
2) Boring no./Well no.: P36BO32/P36TWO32
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/14/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): NR
9) Highest open-borebole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 8.20
11) Length of well screen: 5
12) Length of casing (BLS): 3.20
13) Approx. height of casing above land surface: 1.80
14) Depth to water in well (BTOC): 8.72
15) Elevation of TOC: 10.32
16) Water level elevation: 1.60
17) Date groundwater sampled: 08/14/91
18) pH (units): 6.0
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 110
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Light red to brown sand, medium grained.
0.5- 2.0	Light brown sand, medium grained.
2.0- 4.0	Light red sand, medium grained.
4.0- 10.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B060/P36TW060
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/11/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 6.5
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 8.96
11) Length of well screen: 5.0
12) Length of casing (BLS): 3.96
13) Approx. height of casing above land surface: 1.04
14) Depth to water in well (BTOC): 7.35
15) Elevation of TOC: 9.04
16) Water level elevation: 1.69
17) Date groundwater sampled: 07/12/91
18) pH (units): 7.0
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 310
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.7	Red silty sand (backfill) with clay, fine to medium grained.
0.7- 3.5	Brown to tan sand, medium grained.
3.5- 5.0	As above.
5.0- 7.0	As above.
7.0- 10.0	White sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B096/P36TW096
3) Drilling firm: Groundvater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/15/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to vater in borehole (BLS): 5
9) Highest open-borehole OVA/HNu reading (ppm): 2.5
10) Depth of well (BLS): 7.26
11) Length of well screen: 5
12) Length of casing (BLS): 2.26
13) Approx. height of casing above land surface: 2.76
14) Depth to water in well (BTOC): 6.70
15) Elevation of TOC: 11.39
16) Water level elevation: 4.69
17) Date groundwater sampled: 07/16/91
18) pH (units): 7.4
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 274
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.75	Concrete.
0.75- 5.0	Light tan sand, medium grained.
5.0- 9.0	Dark brown sand, medium grained.
9.0- 10.0	White sand, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) vas used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36BO66/P36TWO66
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/14/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 3.5
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 7.16
11) Length of well screen: 5
12) Length of casing (BLS): 2.16
13) Approx. height of casing above land surface: 2.62
14) Depth to water in well (BTOC): 6.14
15) Elevation of TOC: 8.28
16) Water level elevation: 2.14
17) Date groundwater sampled: 07/14/91
18) pH (units): 6.4
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 185
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.7	Concrete.
0.7- 1.0	Dark grey organic rich sand and gravel (fill).
1.0- 1.5	Pale to medium grey sand, medium to coarse grained with orange brick fragments.
1.5- 10.0	Pale grey sand, medium to coarse grained. Wet at 3.5 ft.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B063/P36TW063
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/12/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 7.0
9) Highest open-borehole OVA/HNu reading (ppm): 170
10) Depth of well (BLS): 8.76
11) Length of well screen: 5.0
12) Length of casing (BLS): 3.76
13) Approx. height of casing above land surface: 0.98
14) Depth to water in well (BTOC): 7.56
15) Elevation of TOC: 9.29
16) Water level elevation: 1.73
17) Date groundwater sampled: 07/17/91
18) pH (units): 6.4
19) Temperature (degrees C): 26
20) Specific conductance (umhos/cm): 510
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Water is green tinged with a solvent odor.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Medium brown sand, fine to medium grained.
0.5- 3.5	Grey sand, fine to medium grained.
3.5- 5.0	Dark brown sand, medium grained.
5.0- 10.0	Grey sand, fine to medium grained. NOTE- at 8.0 ft. strong unidentified odor and soil stained green.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36BO69/P36TWO69
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/12/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 3.0
9) Highest open-borehole OVA/HNu reading (ppm): 14
10) Depth of well (BLS): 7.0
11) Length of well screen: 5.0
12) Length of casing (BLS): 2.0
13) Approx. height of casing above land surface: 2.72
14) Depth to water in well (BTOC): 5.54
15) Elevation of TOC: 8.06
16) Water level elevation: 2.52
17) Date groundwater sampled: 07/13/91
18) pH (units): 6.0
19) Temperature (degrees C): 27.5
20) Specific conductance (umhos/cm): 189
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Brown sand, medium grained (top soil).
0.5- 4.0	Dark brown sand, fine to medium grained.
4.0- 5.0	As above.
5.0- 10.0	Grey sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B068/P36TW068
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/12/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 3.5
9) Highest open-borehole OVA/HNu reading (ppm): 4.0
10) Depth of well (BLS): 6.99
11) Length of well screen: 5.0
12) Length of casing (BLS): 1.99
13) Approx. height of casing above land surface: 2.77
14) Depth to water in well (BTOC): 5.76
15) Elevation of TOC: 8.03
16) Water level elevation: 2.27
17) Date groundwater sampled: 07/13/91
18) pH (units): 6.1
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 220
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.7	Brown sand, medium grained (topsoil).
0.7- 4.0	Dark brown sand, fine to medium grained.
4.0- 5.0	Grey sand, medium grained.
5.0- 10.0	White sand, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 36
2) Boring no./Well no.: P36B072/P36TW072
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/14/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5
9) Highest open-borehole OVA/HNu reading (ppm): 100.0
10) Depth of well (BLS): 8.81
11) Length of well screen: 5
12) Length of casing (BLS): 3.81
13) Approx. height of casing above land surface: 1.15
14) Depth to water in well (BTOC): 5.19
15) Elevation of TOC: 8.05
16) Water level elevation: 2.86
17) Date groundwater sampled: 07/14/91
18) pH (units): 6.8
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 384
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sam le Depth (BLS)	Sample Description
0- 0.7	Asphalt.
0.7- 1.2	Light grey shelly sand, fill material compacted with gravel present.
1.2- 2.0	Light tan sand, medium to coarse grained intermixed with brick fragments.
2.0- 3.0	Medium tan sand, medium to coarse grained intermixed with pebbles and cobbles.
3.0- 5.0	Concrete rubble intermixed with medium tan sand, medium to coarse grained.
5.0- 6.0	Light tan sand, medium to coarse grained.
6.0-10.0	Light grey sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B070/P36TW070
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/13/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 3.0
9) Highest open-borehole OVA/HNu reading (ppm): 1.0
10) Depth of well (BLS): 6.82
11) Length of well screen: 5.0
12) Length of casing (BLS): 1.82
13) Approx. height of casing above land surface: 3.15
14) Depth to water in well (BTOC): 5.39
15) Elevation of TOC: 7.96
16) Water level elevation: 2.57
17) Date groundwater sampled: 07/13/91
18) pH (units): 6.2
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 253
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.2	Dark grey organic rich sand, medium to coarse grained.
0.2- 5.0	Light grey sand, medium to coarse grained.
5.0- 10.0	Light grey sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B076/P36TW076
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/14/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 3.5
9) Highest open-borehole OVA/HNu reading (ppm): 0
10) Depth of well (BLS): 7.17
11) Length of well screen: 5
12) Length of casing (BLS): 2.17
13) Approx. height of casing above land surface: 2.62
14) Depth to water in well (BTOC): 5.59
15) Elevation of TOC: 8.79
16) Water level elevation: 3.20
17) Date groundwater sampled: 07/17/91
18) pH (units): 6.7
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 364
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 2.0	Medium brown sand, medium to coarse grained intermixed with pebbles and asphalt chips.
2.0- 6.0	Light brown sand, medium to coarse grained.
6.0- 10.0	Light grey sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B074/P36TW074
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/14/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 4.5
9) Highest open-borehole OVA/HNu reading (ppm): 10.0
10) Depth of well (BLS): 8.45
11) Length of well screen: 5
12) Length of casing (BLS): 3.45
13) Approx. height of casing above land surface: 1.52
14) Depth to water in well (BTOC): 5.77
15) Elevation of TOC: 9.10
16) Water level elevation: 3.33
17) Date groundwater sampled: 07/15/91
18) pH (units): 6.8
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 280
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Asphalt.
0.5- 1.0	Concrete.
1.0- 2.0	Dark grey, organic rich sand, medium to coarse grained.
2.0- 5.0	Light grey sand, medium to coarse grained.
5.0- 10.0	Pale grey sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B079/P36TW079
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/16/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 1.0
9) Highest open-borehole OVA/HNu reading (ppm): 160
10) Depth of well (BLS): 4.79
11) Length of well screen: 5
12) Length of casing (BLS): 0
13) Approx. height of casing above land surface: 0.29
14) Depth to water in well (BTOC): 2.24
15) Elevation of TOC: 5.64
16) Water level elevation: 3.40
17) Date groundwater sampled: 07/17/91
18) pH (units): 6.85
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 402
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 3.0	Dark brown sand, fine to medium grained.
3.0- 10.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B078/P36TW078
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/13/91
6) Geologist: DAN POSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 300
10) Depth of well (BLS): 6.32
11) Length of well screen: 5.0
12) Length of casing (BLS): 1.32
13) Approx. height of casing above land surface: 3.88
14) Depth to water in well (BTOC): 6.13
15) Blevation of TOC: 9.90
16) Vater level elevation: 3.77
17) Date groundwater sampled: 07/14/91
18) pH (units): 6.8
19) Temperature (degrees C): 30
20) Specific conductance (umhos/cm): 550
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Petroleum odor beginning at 1.3 ft. BLS.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.7	Asphalt.
0.7- 0.8	Light grey sandy shell fill.
0.8- 1.3	Reddish brown sandy clay fill.
1.3- 5.0	Red brown to grey brown sand, medium to coarse grained with gravel and brick fragments. Petroleum odor present.
5.0- 10.0	Medium grey sand, medium to coarse grained, petroleum odor noted.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = belov land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B082/P36TW082
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/13/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 2.5
9) Highest open-borehole OVA/HNu reading (ppm): 40
10) Depth of well (BLS): 6.15
11) Length of well screen: 5.0
12) Length of casing (BLS): 1.15
13) Approx. height of casing above land surface: 3.93
14) Depth to water in well (BTOC): 6.24
15) Elevation of TOC: 8.94
16) Water level elevation: 2.70
17) Date groundwater sampled: 07/15/91
18) pH (units): 10
19) Temperature (degrees C) : 29
20) Specific conductance (umhos/cm): 306
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Diesel odor at 0.8 ft. BLS.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Asphalt.
0.3- 0.7	Light tan-grey sandy shell fill.
0.7- 0.8	Light grey sand, medium to coarse grained.
0.8- 1.0	Medium brown-grey sand, medium to coarse grained-diesel odor evident.
1.0- 5.0	Medium to light grey sand, medium to coarse grained.
5.0- 10.0	Light grey sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B081/P36TW081
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/13/91
6) Geologist: DAN POSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 2.0
9) Highest open-borehole OVA/HNu reading (ppm): 30
10) Depth of well (BLS): 5.87
11) Length of well screen: 5.0
12) Length of casing (BLS): 0.87
13) Approx. height of casing above land surface: 4.01
14) Depth to water in well (BTOC): 6.70
15) Elevation of TOC: 9.70
16) Vater level elevation: 3.00
17) Date groundwater sampled: 07/15/91
18) pH (units): 6.95
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 329
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Saaple Description
0- 1.0	Asphalt.
1.0- 1.7	Shell fragments and red clayey sand (fill).
1.7- 3.3	Medium grey-brown clayey sand (fill).
3.3- 3.7	Dark grey sand, medium to coarse grained, organic rich.
3.7- 5.0	Light grey sand, medium to coarse grained.
5.0- 10.0	As above.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 36
2) Boring no./Well no.: P36BO86/P36TWO86
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/13/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 3.5
9) Highest open-borehole OVA/HNu reading (ppm): 10
10) Depth of well (BLS): 7.01
11) Length of well screen: 5
12) Length of casing (BLS): 2.01
13) Approx. height of casing above land surface: 3.04
14) Depth to water in well (BTOC): 6.63
15) Elevation of TOC: 10.76
16) Water level elevation: 4.13
17) Date groundwater sampled: 07/14/91
18) pH (units): 6.5
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 330
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.5	Light grey sand, medium to coarse grained.
1.5- 3.5	Medium grey sand, medium to coarse grained.
3.5- 5.0	Pale grey sand, medium to coarse grained.
5.0- 10.0	Same as above.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B085/P36TW085
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/13/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 4.0
9) Highest open-borehole OVA/HNu reading (ppm): 5.0
10) Depth of well (BLS): 7.93
11) Length of well screen: 5.0
12) Length of casing (BLS): 2.93
13) Approx. height of casing above land surface: 1.93
14) Depth to water in well (BTOC): 5.27
15) Elevation of TOC: 9.53
16) Water level elevation: 4.26
17) Date groundvater sampled: 07/14/91
18) pH (units): 7.9
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 229
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.7	Concrete.
0.7- 1.2	Light brown sand, medium to coarse grained.
1.2- 3.0	Dark brown sand, medium to coarse grained, some clay.
3.0- 4.0	Reddish brown clayey sand, medium to coarse grained.
4.0- 5.0	Medium grey sand, medium to coarse grained.
5.0- 10.0	Same as above.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B090/P36TW090
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/13/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5.5
9) Highest open-borehole OVA/HNu reading (ppm): 2.0
10) Depth of well (BLS): 9.55
11) Length of well screen: 5.0
12) Length of casing (BLS): 4.55
13) Approx. height of casing above land surface: 0.5
14) Depth to water in well (BTOC): 6.15
15) Elevation of TOC: 10.64
16) Water level elevation: 4.49
17) Date groundwater sampled: 07/14/91
18) pH (units): 7.0
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 260
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.5	Concrete.
1.5- 2.0	Light brown sand, medium to coarse grained with shell fragments.
2.0- 3.0	Light brown sand, medium to coarse grained.
3.0- 5.0	Light tan-grey sand, medium to coarse grained.
5.0- 10.0	Light grey sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY IIONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36BO88/P36TWO88
3) Drilling firm: Grounwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/14/91
6) Geologist: DAN POSS
7) Depth of boring (BLS): 10
8) Depth to vater in borehole (BLS): 3.5
9) Highest open-borehole OVA/HNu reading (ppm): 10
10) Depth of vell (BLS): 7.76
11) Length of vell screen: 5
12) Length of casing (BLS): 2.76
13) Approx. height of casing above land surface: 2.07
14) Depth to vater in vell (BTOC): 6.72
15) Elevation of TOC: 10.45
16) Vater level elevation: 3.73
17) Date groundvater sampled: 07/15/91
18) pH (units): 6.5
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 443
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sam le Depth (BLS)	Sample Description
0- 1.0	Concrete.
1.0- 1.3	Medium grey-tan sand, medium grained (fill).
1.3- 2.0	Medium grey-tan sand, medium to coarse grained.
2.0- 2.5	Dark brown organic rich sand, medium grained.
2.5- 5.0	Light grey sand, medium to coarse grained.
5.0- 10.0	Same as above.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 36
2) Boring no./Well no.: P36B093/P36TW093
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/15/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5.0
9) Highest open-borehole OVA/HNu reading (ppm): 90
10) Depth of well (BLS): 7.06
11) Length of well screen: 5
12) Length of casing (BLS): 2.06
13) Approx. height of casing above land surface: 3.04
14) Depth to water in well (BTOC): 7.77
15) Elevation of TOC: 12.70
16) Water level elevation: 4.93
17) Date groundwater sampled: 07/15/91
18) pH (units): 6.6
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 246
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.5	Concrete.
1.5- 5.0	Light tan sand, medium grained intermixed with shell fragments and coal.
5.0- 7.0	Same as above.
7.0- 10.0	Grey sand, medium to coarse grained.

Notes: All depths lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B096/P36TW096
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/15/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5
9) Highest open-borehole OVA/HNu reading (ppm): 2.5
10) Depth of well (BLS): 7.26
11) Length of well screen: 5
12) Length of casing (BLS): 2.26
13) Approx. height of casing above land surface: 2.76
14) Depth to water in well (BTOC): 6.70
15) Elevation of TOC: 11.39
16) Water level elevation: 4.69
17) Date groundwater sampled: 07/16/91
18) pH (units): 7.4
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 274
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.75	Concrete.
0.75- 5.0	Light tan sand, medium grained.
5.0- 9.0	Dark brown sand, medium grained.
9.0- 10.0	White sand, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFOWTION

1) Site no.: 36
2) Boring no./Well no.: P36B097/P36TW097
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/15/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5
9) Highest open-borehole OVA/HNu reading (ppm): 16
10) Depth of well (BLS): 8.30
11) Length of well screen: 5
12) Length of casing (BLS): 3.30
13) Approx. height of casing above land surface: 1.58
14) Depth to water in well (BTOC): 5.38
15) Elevation of TOC: 10.22
16) Water level elevation: 4.84
17) Date groundwater sampled: 07/16/91
18) pH (units): 7.9
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 233
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Concrete.
1.0- 5.0	Very light sand, fine to medium grained.
5.0- 7.0	Light to medium brown sand, medium grained.
7.0- 10.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B098/P36TW098
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/15/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5
9) Highest open-borehole OVA/HNu reading (ppn): 78
10) Depth of well (BLS): 8.11
11) Length of well screen: 5
12) Length of casing (BLS): 3.11
13) Approx. height of casing above land surface: 1.74
14) Depth to water in well (BTOC): 5.59
15) Elevation of TOC: 10.40
16) Water level elevation: 4.81
17) Date groundvater sampled: 07/16/91
18) pH (units): 7.0
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 338
21) Borehole/Well abandonment method: Backfilled vi h cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.3	Concrete.
1.3- 1.7	Red sand, medium grained.
1.7- 3.5	Light tan sand, medium grained.
3.5- 7.5	Dark brown sand, medium grained.
7.5- 10.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B100/P36TW100
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/15/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5
9) Highest open-borehole OVA/HNu reading (ppm): 11
10) Depth of well (BLS): 7.87
11) Length of well screen: 5
12) Length of casing (BLS): 2.87
13) Approx. height of casing above land surface: 2.06
14) Depth to water in well (BTOC): 5.95
15) Elevation of TOC: 10.77
16) Water level elevation: 4.82
17) Date groundwater sampled: 07/16/91
18) pH (units): 6.9
19) Temperature (degrees C): 31
20) Specific conductance (umhos/cm): 358
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Concrete.
1.0- 5.0	Medium tan sand, fine to medium grained.
5.0- 10.0	Same as above.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B101/P36TW101
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/15/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5
9) Highest open-borehole OVA/HNu reading (ppm): 50
10) Depth of well (BLS): 8.08
11) Length of well screen: 5
12) Length of casing (BLS): 3.08
13) Approx. height of casing above land surface: 1.96
14) Depth to water in well (BTOC): 6.95
15) Elevation of TOC: 11.77
16) Water level elevation: 4.82
17) Date groundwater sampled: 07/16/91
18) pH (units): 7.0
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 301
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.7	Concrete.
0.7- 4.0	Orange sand, medium grained.
4.0- 5.0	Light tan sand, medium grained.
5.0- 8.5	Dark brown sand, medium grained.
8.5- 10.0	Grey sand, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B102/P36TW102
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/16/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5
9) Highest open-borehole OVA/HNu reading (ppm): 740
10) Depth of well (BLS): 9.54
11) Length of well screen: 5
12) Length of casing (BLS): 4.54
13) Approx. height of casing above land surface: 0.54
14) Depth to water in well (BTOC): 6.75
15) Elevation of TOC: 10.47
16) Water level elevation: 3.72
17) Date groundwater sampled: 07/17/91
18) pH (units): 6.3
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 271
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Concrete.
1.0- 2.5	Light tan sand, medium grained.
2.5- 7.0	Light yellow sand, medium grained.
7.0- 10.0	White sand, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B103/P36TW103
3) Drilling firm: Groundvater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/15/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to vater in borehole (BLS): 3
9) Highest open-borehole OVA/HNu reading (ppm): 390
10) Depth of well (BLS): 4.08
11) Length of vell screen: 5
12) Length of casing (BLS): 0
13) Approx. height of casing above land surface: 0.92
14) Depth to vater in well (BTOC): 4.20
15) Elevation of TOC: 7.98
16) Vater level elevation: 3.78
17) Date groundvater sampled: 07/18/91
18) pH (units): 6.2
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 153
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Light tan sand, medium grained.
1.0- 5.0	Orange sand, medium grained.
5.0- 5.5	Dark brown sand, medium grained.
5.5- 6.5	Dark orange sand, medium grained.
6.5- 9.5	Vhite sand, fine to medium grained.
9.5- 10.0	Peat intermixed with vhite sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) vas used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = belov land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B105/P36TW105
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/15/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 4
9) Highest open-borehole OVA/HNu reading (ppm): 10
10) Depth of well (BLS): 5.78
11) Length of well screen: 5
12) Length of casing (BLS): 0.78
13) Approx. height of casing above land surface: 3.95
14) Depth to water in well (BTOC): 7.86
15) Elevation of TOC: 10.50
16) Water level elevation: 2.64
17) Date groundwater sampled: 07/18/91
18) pH (units): 6.4
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 330
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Light tan sand, medium grained.
1.0- 9.0	Dark brown sand, medium grained.
9.0- 10.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B109/P36TW109
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/16/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5
9) Highest open-borehole OVA/HNu reading (ppm): >1000
10) Depth of well (BLS): 8.81
11) Length of well screen: 5
12) Length of casing (BLS): 3.81
13) Approx. height of casing above land surface: 0.99
14) Depth to water in well (BTOC): 5.70
15) Elevation of TOC: 10.31
16) Water level elevation: 4.61
17) Date groundwater sampled: 07/17/91
18) pH (units): 6.2
19) Temperature (degrees C): 36
20) Specific conductance (umhos/cm): 295
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.5	Concrete.
1.5- 4.0	Light tan sand, becomes red sand at 3.5 ft., medium grained.
4.0- 5.0	White sand, fine grained.
5.0- 6.0	Light tan sand, medium grained.
6.0- 7.0	Light orange sand, medium grained.
7.0- 8.0	Light tan sand, medium grained intermixed with wood chips and peat.
8.0-10.0	Dark brovn sand, medium grained.

Notes: All depths lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B107/P36TW107
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/16/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5.5
9) Highest open-borehole OVA/HNu reading (ppm): >1000
10) Depth of well (BLS): 9.26
11) Length of well screen: 5
12) Length of casing (BLS): 4.26
13) Approx. height of casing above land surface: 0.62
14) Depth to water in well (BTOC): 5.60
15) Elevation of TOC: 9.94
16) Water level elevation: 4.34
17) Date groundwater sampled: 07/17/91
18) pH (units): 6.3
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 375
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 5.0	Red sand, medium grained.
5.0- 8.0	White sand, medium grained.
8.0- 10.0	Dark brown sand, medium grained intermixed with peat.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 36
2) Baring no./Well no.: P36B106/P36TW106
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/16/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 3.5
9) Highest open-borehole OVA/HNu reading (ppm): 1.2
10) Depth of well (BLS): 6.66
11) Length of well screen: 5
12) Length of casing (BLS): 1.66
13) Approx. height of casing above land surface: 3.12
14) Depth to water in well (BTOC): *5.04*
15) Elevation of TOC: 8.06
16) Water level elevation: 3.02
17) Date groundwater sampled: 07/18/91
18) pH (units): 6.2
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 210
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREEOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 7.0	Li ht tan sand medium grained intermixed with ref-orange sand, medium grained.
7.0- 10.0	Vhite sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless othervise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B112/P36TW112
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/18/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 15
8) Depth to water in borehole (BLS): 3.5
9) Highest open-borehole OVA/HNu reading (ppm): 8.0
10) Depth of well (BLS): 7.35
11) Length of well screen: 5
12) Length of casing (BLS): 2.35
13) Approx. height of casing above land surface: 2.75
14) Depth to water in well (BTOC): 6.75
15) Elevation of TOC: NR
16) Water level elevation: NR
17) Date groundwater sampled: 07/19/91
18) pH (units): 6.4
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 259
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Dark brown sand, medium to coarse grained.
0.5- 3.5	Light brown sand, medium to coarse grained with red clay fill.
3.5- 5.0	Dark brown organic rich sand, medium to coarse grained.
5.0- 8.0	Same as above.
8.0- 9.0	Light brown sand, medium to coarse grained.
9.0- 15.0	Pale grey sand, medium to coarse grained. Wet at 3.5 ft.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B114/P36TW114
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/18/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 4
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 7.86
11) Length of well screen: 5
12) Length of casing (BLS): 2.86
13) Approx. height of casing above land surface: 2.16
14) Depth to water in well (BTOC): 5.60
15) Elevation of TOC: 9.76
16) Water level elevation: 4.16
17) Date groundwater sampled: 07/19/91
18) pH (units): 6.4
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 210
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Dark brown sand, medium to coarse grained.
0.3- 3.5	Light brown sand, medium to coarse grained.
3.5- 4.0	Dark brown, grey sand, medium to coarse grained.
4.0- 4.5	Light brown sand, medium to coarse grained.
4.5- 5.0	Light grey sand, medium to coarse grained.
5.0- 10.0	Pale grey sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 36
2) Boring no./Well no.: P36B116/P36TW116
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/18/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 8.90
11) Length of well screen: 5
12) Length of casing (BLS): 3.90
13) Approx. height of casing above land surface: 1.14
14) Depth to water in well (BTOC): 6.80
15) Elevation of TOC: 12.01
16) Water level elevation: 5.21
17) Date groundwater sampled: 07/19/91
18) pH (units): 5.9
19) Temperature (degrees C): 26
20) Specific conductance (umhos/cm): 163
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Dark brown to black organic rich sand, medium to coarse grained.
0.3- 3.5	Light brown sand, medium to coarse grained.
3.5- 5.0	Light grey-tan sand, medium to coarse grained.
5.0- 7.0	Light grey sand, medium to coarse grained.
7.0- 10.0	Li ht grey-brown sand, medium to coarse grained. Wet at 5 ft., slightly clayey.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B118/P36TW118
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/18/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5.5
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 9.70
11) Length of well screen: 5
12) Length of casing (BLS): 4.70
13) Approx. height of casing above land surface: 0.42
14) Depth to water in well (BTOC): 7.14
15) Elevation of TOC: 12.80
16) Water level elevation: 5.66
17) Date groundvater sampled: 07/19/91
18) pH (units): 6.2
19) Temperature (degrees C): 26
20) Specific conductance (umhos/cm): 182
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Sheen present on purge water.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Dark brown sand, medium to coarse grained.
0.5- 0.7	Black organic rich sand, medium to coarse grained.
0.7- 3.5	Medium brown sand, medium to coarse grained.
3.5- 5.0	Light brown sand, medium to coarse grained.
5.0- 6.0	Dark grey-black sand, coarse grained.
6.0- 10.0	Light grey sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA =hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INPOWTION

1) Site no.: 36
2) Boring no./Well no.: P36B120/P36TW120
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/18/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 15
8) Depth to water in borehole (BLS): 8.5
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 12.34
11) Length of well screen: 5
12) Length of casing (BLS): 7.34
13) Approx. height of casing above land surface: 2.64
14) Depth to water in well (BTOC): 11.27
15) Elevation of TOC: 17.64
16) Water level elevation: 6.37
17) Date groundwater sampled: 07/19/91
18) pH (units): 6.4
19) Temperature (degrees C): 25
20) Specific conductance (umhos/cm): 265
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Red to tan clayey sand, medium grained (fill).
1.0- 2.5	Light grey and red clayey sand, medium to coarse grained intermixed with shell fragments.
2.5- 3.0	Dark grey organic rich sand, fine to medium grained.
3.0- 3.5	Light brown sand, medium coarse grained.
3.5- 6.0	Pale grey sand, medium to coarse grained.
6.0- 10.0	Medium brown sand, medium coarse grained.
10.0-15.0	Pale grey sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B122/P36TW122
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/18/91
6) Geologist: DAN POSS
7) Depth of boring (BLS): 15
8) Depth to vater in borehole (BLS): 9.5
9) Highest open-borehole OVA/HNu reading (ppm): 20
10) Depth of well (BLS): 13.51
11) Length of well screen: 5
12) Length of casing (BLS): 8.51
13) Approx. height of casing above land surface: 1.56
14) Depth to water in vell (BTOC): 11.08
15) Elevation of TOC: 17.40
16) Water level elevation: 6.32
17) Date groundvater sampled: 07/19/91
18) pH (units): 6.7
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 172
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Asphalt.
0.3- 1.0	Red clayey sand (fill).
1.0- 4.0	Mottled black-brovn sand, medium to coarse grained intermixed with shell fragments.
4.0- 5.0	Pale grey sand, medium to coarse grained.
5.0- 7.0	Light tan sand, medium to coarse grained.
7.0- 10.0	Pale grey-tan sand, medium to coarse grained.
10.0-15.0	Same as above.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) vas used in vell installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = belov land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B124/P36TW124
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/18/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 15
8) Depth to water in borehole (BLS): 7.5
9) Highest open-borehole OVA/HNu reading (ppm): 0
10) Depth of well (BLS): 11.53
11) Length of well screen: 5
12) Length of casing (BLS): 6.53
13) Approx. height of casing above land surface: 3.48
14) Depth to water in well (BTOC): 10.72
15) Elevation of TOC: 16.40
16) Water level elevation: 5.68
17) Date groundwater sampled: 07/19/91
18) pH (units): 6.6
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 226
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.2	Asphalt.
0.2- 0.7	Clayey sand (fill).
0.7- 1.2	Tan-brown sand, medium to coarse grained intermixed with shell fragments.
1.2- 9.0	Pale grey sand, medium to coarse grained.
9.0- 10.0	Dark grey to black organic rich sand, medium grained intermixed with peat.
10.0- 14.0	Same as above but fine to medium grained.
14.0-15.0	Light tan grey sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B126/P36TW126
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/18/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 6
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 9.71
11) Length of well screen: 5
12) Length of casing (BLS): 4.71
13) Approx. height of casing above land surface: 0.29
14) Depth to water in well (BTOC): 6.60
15) Elevation of TOC: 12.29
16) Water level elevation: 5.69
17) Date groundwater sampled: 07/19/91
18) pH (units): 6.3
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 338
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-.0.3	Reddish brown sand, medium grained (fill).
0.3- 1.0	Light brown sand, medium to coarse grained.
1.0- 5.0	Pale cream to grey colored sand, medium to coarse grained.
5.0- 5.5	Light tan sand, medium to coarse grained.
5.5- 7.0	Dark grey organic rich sand, coarse grained.
7.0- 10.0	Pale grey sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B127/P36TW127
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/18/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 6
9) Highest open-borehole OVA/HNu reading (ppm): 0
10) Depth of well (BLS): 9.39
11) Length of well screen:. 5
12) Length of casing (BLS): 4.39
13) Approx. height of casing above land surface: 0.63
14) Depth to water in well (BTOC): 6.40
15) Elevation of TOC: 12.06
16) Water level elevation: 5.66
17) Date groundwater sampled: 07/19/91
18) pH (units): 6.7
19) Temperature (degrees C): 32
20) Specific conductance (umhos/cm): 230
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.2	Asphalt.
0.2- 1.0	Red clayey sand, medium grained (fill).
1.0- 4.0	Light tan sand, fine to medium grained.
4.0- 4.5	Light grey sand, fine to medium grained.
4.5- 5.0	Light tan to white sand, fine to medium grained.
5.0- 10.0	Light tan to white sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B129/P36TW129
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/19/91
6) Geologist: DAN POSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 6
9) Highest open-borehole OVA/HNu reading (ppm): 12.0
10) Depth of well (BLS): 9.22
11) Length of well screen: 5
12) Length of casing (BLS): 4.22
13) Approx. height of casing above land surface: 0.63
14) Depth to vater in well (BTOC): 5.85
15) Elevation of TOC: 11.78
16) Water level elevation: 5.93
17) Date groundwater sampled: 07/19/91
18) pH (units): 6.5
19) Temperature (degrees C): 30
20) Specific conductance (umhos/cm): 255
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Asphalt.
0.3- 0.7	Sandy clay, red (fill).
0.7- 3.5	Tan to brown sand, medium to coarse grained intermixed with shell fragments.
3.5- 5.0	Light tan-brown sand, medium grained.
5.0- 10.0	Light tan sand, coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B131/P36TW131
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/19/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5.5
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 9.27
11) Length of well screen: 5
12) Length of casing (BLS): 4.27
13) Approx. height of casing above land surface: 0.65
14) Depth to water in well (BTOC): 5.80
15) Elevation of TOC: 10.70
16) Water level elevation: 4.90
17) Date groundwater sampled: 07/19/91
18) pH (units): 6.8
19) Temperature (degrees C): 30
20) Specific conductance (umhos/cm): 267
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.25	Asphalt.
0.25- 0.7	Red clayey sand, medium grained (fill).
0.7- 1.5	Black to tan sand, medium to coarse grained, peaty.
1.5- 5.0	Light brown sand, medium to coarse grained.
5.0- 6.0	Same as above.
6.0- 10.0	Pale grey sand, coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INPOWTION

1) Site no.: 36
2) Boring no./Well no.: P36B133/P36TW133
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/19/91
6) Geologist: DAN POSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5
9) Highest open-borebole OVA/HNu reading (ppm): 13.0
10) Depth of well (BLS): 9.04
11) Length of well screen: 5
12) Length of casing (BLS): 4.04
13) Approx. height of casing above land surface: 0.98
14) Depth to water in well (BTOC): 6.15
15) Elevation of TOC: 11.06
16) Vater level elevation: 4.91
17) Date groundwater sampled: 07/19/91
18) pH (units): 6.9
19) Temperature (degrees C): 30
20) Specific conductance (umhos/cm): 350
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Asphalt.
0.3- 1.0	Sandy clay, red (fill).
1.0- 2.0	Light tan sand, medium coarse grained.
2.0- 4.75	Tan sand, medium to coarse grained.
4.75- 5.0	Dark brown, grey organic rich sand, fine to medium grained.
5.0- 5.25	Dark grey organic rich sand, coarse grained.
5.25-10.0	Pale grey sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B135/P36TW135
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/19/91
6) Geologist: DAN FOSS
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 5.5
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 9.27
11) Length of well screen: 5
12) Length of casing (BLS): 4.27
13) Approx. height of casing above land surface: 0.73
14) Depth to water in well (BTOC): 5.68
15) Elevation of TOC: 11.01
16) Water level elevation: 5.33
17) Date groundwater sampled: 07/19/91
18) pH (units): 6.5
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 294
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Asphalt.
0.3- 0.8	Concrete.
0.8- 2.0	Light brown sand, coarse grained intermixed with some red clay.
2.0- 5.5	Medium brown slightly clayey sand, medium to coarse grained, fill material.
5.5- 10.0	Pale grey sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INPOWTION

1) Site no.: 36
2) Boring no./Well no.: P36B137/P36TW137
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/01/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.5
10) Depth of well (BLS): 9.09
11) Length of well screen: 5
12) Length of casing (BLS): 4.09
13) Approx. height of casing above land surface: 1.03
14) Depth to vater in well (BTOC): 7.19
15) Elevation of TOC: 11.89
16) Water level elevation: 4.70
17) Date groundvater sampled: 08/01/91
18) pH (units): 6.0
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 130
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITEOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 4.5	Light tan sand, medium grained.
4.5- 5.0	Dark grey clay, fine grained.
5.0- 5.5	Dark grey clayey sand, fine grained.
5.5- 7.0	Dark grey sand, medium grained.
7.0- 8.5	Dark brown sand, medium grained.
8.5- 10.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA =hand auger
NR = No Reading

BLS = belov land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B206/P36TW206
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/07/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 20
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 13
10) Depth of well (BLS): 21.95
11) Length of well screen: 5
12) Length of casing (BLS): 16.95
13) Approx. height of casing above land surface: 2.94
14) Depth to water in well (BTOC): 20.61
15) Elevation of TOC: 31.14
16) Water level elevation: 10.53
17) Date groundwater sampled: 08/07/91
18) pH (units): 6.0
19) Temperature (degrees C): 25
20) Specific conductance (umhos/cm): 180
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Concrete.
1.0- 12.0	Orange sand, medium grained.
12.0- 13.0	Light orange sand, medium grained.
13.0- 17.0	White sand, fine to medium grained.
17.0- 17.5	Brown sand, fine to medium grained.
17.5- 18.0	White sand, fine to medium grained.
18.0-20.0	Brown sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B208/P36TW208
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/07/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 20
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 3.4
10) Depth of well (BLS): 20.91
11) Length of well screen: 5
12) Length of casing (BLS): 15.91
13) Approx. height of casing above land surface: 4.09
14) Depth to water in well (BTOC): 20.43
15) Elevation of TOC: 32.05
16) Vater level elevation: 11.62
17) Date groundwater sampled: 08/07/91
18) pH (units): 6.3
19) Temperature (degrees C): 25
20) Specific conductance (umhos/cm): 220
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Asphalt and concrete.
1.0- 2.5	Orange sand, fine to medium grained.
2.5- 7.0	Red sand, medium grained.
7.0- 13.0	Light yellow to tan sand, fine grained.
13.0- 17.0	White sand, fine to medium grained.
17.0- 18.0	Black sand, fine grained.
18.0-20.0	White sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All vell casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) vas used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 36
2) Boring no./Well no.: P36B209/P36TW209
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/07/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 20
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 5.8
10) Depth of well (BLS): 19.18
11) Length of well screen: 5
12) Length of casing (BLS): 14.18
13) Approx. height of casing above land surface: 0.63
14) Depth to water in well (BTOC).: 15.67
15) Elevation of TOC: 27.11
16) Water level elevation: 11.44
17) Date groundwater sampled: 08/07/91
18) pH (units): 6.3
19) Temperature (degrees C): 26
20) Specific conductance (umhos/cm): 110
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Asphalt and concrete.
0.3- 3.5	Red sand, medium grained (fill).
3.5- 5.0	Light tan sand, medium grained.
5.0- 10.0	Light tan sand, fine to medium grained intermixed with white sand, fine to medium grained.
10.0- 20.0	White sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B213/P36TW213
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/07/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 20
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 4.8
10) Depth of well (BLS): 19.23
11) Length of well screen: 5
12) Length of casing (BLS): 14.23
13) Approx. height of casing above land surface: 0.83
14) Depth to water in well (BTOC): 18.87
15) Elevation of TOC: 27.40
16) Water level elevation: 8.53
17) Date groundwater sampled: 08/07/91
18) pH (units): 6.0
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 145
21) Borehole/Well abandonment method: Backfilled vith cuttings.
22) Comments: Sheen present on purge water.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.25	Asphalt.
0.25- 0.5	Red sand, medium grained (fill).
0.5- 5.0	Yellov sand, fine to medium grained.
5.0- 9.0	Orange sand, medium grained.
9.0- 15.0	Yellov sand fine to medium grained becomes white sand at 12 ft.
15.0- 17.5	Dark brown sand, medium grained.
17.5-20.0	White sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B216/P36TW216
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/10/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 6.5
9) Highest open-borehole OVA/HNu reading (ppm): 80
10) Depth of well (BLS): 9.5
11) Length of well screen: 5
12) Length of casing (BLS): 4.5
13) Approx. height of casing above land surface: 0.5
14) Depth to water in well (BTOC): 5.23
15) Elevation of TOC: 6.47
16) Water level elevation: 1.24
17) Date groundwater sampled: 07/10/91
18) pH (units): 7.4
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 220
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Red clayey sand, fine to medium grained.
1.0- 5.0	Dark brown sand, medium grained.
5.0- 10.0	White sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B220/P36TW220
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/16/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 7
8) Depth to water in borehole (BLS): 2.5
9) Highest open-borehole OVA/HNu reading (ppm): 1.3
10) Depth of well (BLS): 6.16
11) Length of well screen: 5
12) Length of casing (BLS): 1.16
13) Approx. height of casing above land surface: 3.93
14) Depth to water in well (BTOC): 7.03
15) Elevation of TOC: 11.68
16) Water level elevation: 4.65
17) Date groundwater sampled: 07/18/91
18) pH (units): 10.5
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 384
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.7	Concrete.
0.7- 3.5	Dark grey sand, medium grained.
3.5- 7.0	White sand, very fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-dieter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B185/P36TW185
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/02/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 15
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 19.28
11) Length of well screen: 5
12) Length of casing (BLS): 14.28
13) Approx. height of casing above land surface: 0.87
14) Depth to water in well (BTOC): 17.54
15) Elevation of TOC: 23.82
16) Water level elevation: 6.28
17) Date groundwater sampled: 08/02/91
18) pH (units): 6.1
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 170
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0-, 5.0	Yellow to red-orange sand, fine to medium grained.
5.0- 6.0	Reddish brown sand, medium grained.
6.0- 15.0	.Light yellow sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diametey; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B223/P36TW223
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/08/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 20
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 21.83
11) Length of well screen: 5
12) Length of casing (BLS): 16.83
13) Approx. height of casing above land surface: 3.07
14) Depth to water in well (BTOC): 20.89
15) Elevation of TOC: 25.74
16) Water level elevation: 4.85
17) Date groundwater sampled: 08/08/91
18) pH (units): 6.6
19) Temperature (degrees C): 55
20) Specific conductance (umhos/cm): 60
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Asphalt.
0.3- 0.7	Shell fragments.
0.7- 4.5	Light orange sand, fine grained.
4.5- 5.0	Light yellow sand, fine grained.
5.0- 11.0	White sand, fine grained.
11.0- 12.5	Light brown sand, fine grained.
12.5-20.0	White sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B190/P36TW190
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/02/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 20
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.2
10) Depth of well (BLS): 19.20
11) Length of well screen: 5
12) Length of casing (BLS): 14.20
13) Approx. height of casing above land surface: 0.86
14) Depth to water in well (BTOC): 18.22
15) Elevation of TOC: 25.75
16) Water level elevation: 7.53
17) Date groundwater sampled: 08/03/91
18) pH (units): 6.1
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 100
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.2	Asphalt.
0.2- 5.0	Yellow sand, fine to medium grained.
5.0- 15.0	Light tan sand, fine to medium grained.
15.0- 20.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INPOWTION

1) Site no.: 36
2) Boring no./Well no.: P36B226/P36TW226
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/08/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 20
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.6
10) Depth of well (BLS): 20.18
11) Length of well screen: 5
12) Length of casing (BLS): 15.18
13) Approx. height of casing above land surface: 4.82
14) Depth to water in well (BTOC): 22.70
15) Elevation of TOC: 28.90
16) Water level elevation: 6.20
17) Date groundwater sampled: 08/09/91
18) pH (units): 6.0
19) Temperature (degrees C): 25
20) Specific conductance (umhos/cm): 120
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 8.0	Light tan sand, fine grained.
8.0- 13.0	Light yellow sand, fine to medium grained.
13.0- 20.0	White sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INPORMTION

1) Site no.: 36
2) Boring no./Well no.: P36B206/P36TW206
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/07/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 20
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 13
10) Depth of well (BLS): 21.95
11) Length of well screen: 5
12) Length of casing (BLS): 16.95
13) Approx. height of casing above land surface: 2.94
14) Depth to water in well (BTOC): 20.61
15) Elevation of TOC: 31.14
16) Water level elevation: 10.53
17) Date groundwater sampled: 08/07/91
18) pH (units): 6.0
19) Temperature (degrees C): 25
20) Specific conductance (umhos/cm): 180
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Concrete.
1.0- 12.0	Orange sand, medium grained.
12.0- 13.0	Light orange sand, medium grained.
13.0- 17.0	White sand, fine to medium grained.
17.0- 17.5	Brown sand, fine to medium grained.
17.5- 18.0	White sand, fine to medium grained.
18.0-20.0	Brown sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B140/P36TW140
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/01/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.4
10) Depth of well (BLS): 9.99
11) Length of well screen: 5
12) Length of casing (BLS): 4.99
13) Approx. height of casing above land surface: 0.11
14) Depth to water in well (BTOC): 7.24
15) Elevation of TOC: 10.62
16) Water level elevation: 3.38
17) Date groundwater sampled: 08/01/91
18) pH (units)': 6.2
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 180
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 3.0	Light brown sand, becoming tan at 3 ft., medium grained.
3.0- 5.0	Light grey sand, fine to medium grained.
5.0- 8.0	Reddish brown sand, medium grained.
8.0- 8.5	Grey clay, fine to medium grained.
8.5- 9.0	Brown sand, medium grained.
9.0- 9.5	Grey clay, fine grained.
9.5-10.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B209/P36TW209
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/07/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 20
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 5.8
10) Depth of well (BLS): 19.18
11) Length of well screen: 5
12) Length of casing (BLS): 14.18
13) Approx. height of casing above land surface: 0.63
14) Depth to water in well (BTOC): 15.67
15) Elevation of TOC: 27.11
16) Water level elevation: 11.44
17) Date groundwater sampled: 08/07/91
18) pH (units): 6.3
19) Temperature (degrees C): 26
20) Specific conductance (umhos/cm): 110
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Asphalt and concrete.
0.3- 3.5	Red sand, medium grained (fill).
3.5- 5.0	Light tan sand, medium grained.
5.0- 10.0	Light tan sand, fine to medium grained intermixed with white sand, fine to medium grained.
10.0- 20.0	White sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B145/P36TW145
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/06/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 15
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.2
10) Depth of well (BLS): 16.75
11) Length of well screen: 5
12) Length of casing (BLS): 11.75
13) Approx. height of casing above land surface: 3.40
14) Depth to water in well (BTOC): 15.33
15) Elevation of TOC: 21.70
16) Water level elevation: 6.37
17) Date groundwater sampled: 08/09/91
18) pH (units): 6.2
19) Temperature (degrees C): 25
20) Specific conductance (umhos/cm): 70
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Light tan sand, fine to medium grained.
1.0- 5.0	Light yellow sand, fine to medium grained.
5.0- 15.0	White sand, fine to medium grained.

Notes: All depths lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 36
2) Boring no./Well no.: P36B164/P36TW164
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/03/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 12
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 1.0
10) Depth of well (BLS): 11.65
11) Length of well screen: 5
12) Length of casing (BLS): 6.65
13) Approx. height of casing above land surface: 3.95
14) Depth to water in well (BTOC): 10.32
15) Elevation of TOC: 13.77
16) Water level elevation: 3.45
17) Date groundwater sampled: 08/05/91
18) pH (units): 5.2
19) Temperature (degrees C): 26
20) Specific conductance (umhos/cm): 68
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 3.5	Light tan sand medium grained intermixed with dark brown sand, medium grained.
3.5- 5.0	Dark brown sand, medium grained.
5.0- 12.0	Medium tan sand, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 36
2) Boring no./Well no.: P36B151/P36TW151
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/06/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 25
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.4
10) Depth of well (BLS): 24.80
11) Length of well screen: 5
12) Length of casing (BLS): 19.80
13) Approx. height of casing above land surface: *4.92*
14) Depth to water in well (BTOC): 25.32
15) Elevation of TOC: 31.65
16) Water level elevation: 6.33
17) Date groundwater sampled: 08/06/91
18) pH (units): 6.0
19) Teaperature (degrees C): 26
20) Specific conductance (umhos/cm): 120
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 5.0	Yellow sand, fine to medium grained.
5.0- 10.0	Light tan sand, fine to medium grained.
10.0- 20.0	White sand, fine grained.
20.0- 25.0	Vhite sand, fine grained intermixed with tan sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B168/P36TW168
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/05/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 12.61
11) Length of well screen: 5
12) Length of casing (BLS): 7.61
13) Approx. height of casing above land surface: 2.36
14) Depth to water in well (BTOC): 11.10
15) Elevation of TOC: 17.21
16) Water level elevation: 6.11
17) Date groundwater sampled: 08/05/91
18) pH (units): 5.8
19) Temperature (degrees C): 25
20) Specific conductance (umhos/cm): 90
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 2.0	Red sand, medium grained intermixed with pebbles.
2.0- 4.0	White sand, medium grained.
4.0- 5.0	Light tan sand, fine to medium grained.
5.0- 7.0	Light brown sand, fine to medium grained.
7.0- 10.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B154/P36TW154
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/05/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 25
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.1
10) Depth of well (BLS): 22.90
11) Length of well screen: 5
12) Length of casing (BLS): 17.90
13) Approx. height of casing above land surface: 2.10
14) Depth to water in well (BTOC): 22.92
15) Elevation of TOC: 29.41
16) Water level elevation: 6.49
17) Date groundwater sampled: 08/05/91
18) pH (units): 6.3
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 100
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Asphalt.
0.3- 13.0	Yellow sand, fine to medium grained.
13.0- 25.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B172/P36TW172
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/05/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 5
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 3.67
11) Length of well screen: 5
12) Length of casing (BLS): 0.0
13) Approx. height of casing above land surface: 1.40
14) Depth to water in well (BTOC): 2.84
15) Elevation of TOC: 12.00
16) Water level elevation: 9.16
17) Date groundwater sampled: 08/05/91
18) pH (units): 5.9
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 80
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Dark brown sand, fine to medium grained.
1.0- 3.0	Light tan sand, fine to medium grained.
3.0- 5.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B156/P36TW156
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/07/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 15
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 10.0
10) Depth of well (BLS): 7.06
11) Length of well screen: 5
12) Length of casing (BLS): 2.06
13) Approx. height of casing above land surface: 2.98
14) Depth to water in well (BTOC): 5.58
15) Elevation of TOC: 8.51
16) Water level elevation: 2.93
17) Date groundwater sampled: 08/08/91
18) pH (units): 6.6
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 160
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Sheen present on purge water.

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.5	Tan sand, medium grained.
1.5- 5.0	Grey sand, fine to medium grained intermixed with white sand, fine to medium grained.
5.0- 10.0	Grey sand, fine to medium grained.
10.0- 15.0	Same as above.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B176/P36TW176
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/17/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 15
8) Depth to water in borehole (BLS): 4.5
9) Highest open-borehole OVA/HNu reading (ppm): 0
10) Depth of well (BLS): 8.54
11) Length of well screen: 5
12) Length of casing (BLS): 3.54
13) Approx. height of casing above land surface: 1.56
14) Depth to water in well (BTOC): 6.00
15) Elevation of TOC: NR
16) Water level elevation: NR
17) Date groundwater sampled: 07/18/91
18) pH (units): 5.6
19) Temperature (degrees C): 26
20) Specific conductance (umhos/cm): 139
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 7.0	Light brown sand, medium grained.
7.0- 13.5	Dark brown sand, medium grained.
13.5- 15.0	Light brown sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INPOWTION

1) Site no.: 36
2) Boring no./Well no.: P36B160/P36TW160
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/17/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 15
8) Depth to water in borehole (BLS): 2
9) Highest open-borehole OVA/HNu reading (ppm): 3.0
10) Depth of well (BLS): 5.74
11) Length of well screen: 5
12) Length of casing (BLS): 0.74
13) Approx. height of casing above land surface: 4.04
14) Depth to water in well (BTOC): 5.58
15) Elevation of TOC: 8.92
16) Water level elevation: 3.34
17) Date groundwater sampled: 07/18/91
18) pH (units): 6.5
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 354
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 5.0	Dark brown sand, medium grained intermixed with wood chips and wood shavings. Wet at 2.0 ft.
5.0- 10.0	Dark grey sand, medium grained.
10.0- 12.0	Light grey sand, fine grained.
12.0- 12.5	Orange sand, medium grained.
12.5- 15.0	White sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INPORHATION

1) Site no.: 36
2) Boring no./Well no.: P36B181/P36TW181
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/16/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 4.5
9) Highest open-borehole OVA/HNu reading (ppm): 0.9
10) Depth of well (BLS): 7.36
11) Length of well screen: 5
12) Length of casing (BLS): 2.36
13) Approx. height of casing above land surface: 2.44
14) Depth to water in well (BTOC): 5.53
15) Elevation of TOC: 9.11
16) Water level elevation: 3.58
17) Date groundwater sampled: 07/17/91
18) pH (units): 6.5
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 128
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 2.0	Light brown sand, medium grained.
2.0- 5.0	Light grey sand, medium grained.
5.0- 5.5	Light grey sand, coarse grained.
5.5- 9.5	Dark grey sand, medium grained.
9.5- 10.0	White sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B162/P36TW162
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/03/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 12.5
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppa): 0.6
10) Depth of well (BLS): 9.19
11) Length of well screen: 5
12) Length of casing (BLS): 4.19
13) Approx. height of casing above land surface: 0.89
14) Depth to water in well (BTOC): 6.47
15) Elevation of TOC: 9.38
16) Water level elevation: 2.91
17) Date groundwater sampled: 08/05/91
18) pH (units): 5.5
19) Temperature (degrees C): 26
20) Specific conductance (umhos/cm): 70
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.7	Tan sand, medium grained.
0.7- 6.5	White sand, fine to medium grained.
6.5- 8.5	Dark brown sand, medium grained.
8.5- 12.5	Light tan sand, medium grained.

Notes: All depths lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B185/P36TW185
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/02/91
6) Geologist: MKE GRECU
7) Depth of boring (BLS): 15
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 19.28
11) Length of well screen: 5
12) Length of casing (BLS): 14.28
13) Approx. height of casing above land surface: 0.87
14) Depth to water in well (BTOC): 17.54
15) Elevation of TOC: 23.82
16) Water level elevation: 6.28
17) Date groundwater sampled: 08/02/91
18) pH (units): 6.1
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 170
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 5.0	Yellow to red-orange sand, fine to medium grained.
5.0- 6.0	Reddish brown sand, medium grained.
6.0- 15.0	.Light yellow sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B169/P36TW169
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/05/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 5
8) Depth to vater in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.0
10) Depth of well (BLS): 4.98
11) Length of well screen: 5
12) Length of casing (BLS): 0.0
13) Approx. height of casing above land surface: 0.10
14) Depth to vater in well (BTOC): 1.24
15) Elevation of TOC: 6.96
16) Water level elevation: 5.72
17) Date groundwater sampled: 08/06/91
18) pH (units): 6.0
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 145
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: Sheen present on purge water.

BOREHOLE LITHOLOGIC LOG

Sam le Depth (BLS)	Sample Description
0- 5.0	Black sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless othervise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B190/P36TW190
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/02/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 20
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.2
10) Depth of well (BLS): 19.20
11) Length of well screen: 5
12) Length of casing (BLS): 14.20
13) Approx. height of casing above land surface: 0.86
14) Depth to water in well (BTOC): 18.22
15) Elevation of TOC: 25.75
16) Water level elevation: 7.53
17) Date groundwater sampled: 08/03/91
18) pH (units): 6.1
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 100
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.2	Asphalt.
0.2- 5.0	Yellow sand, fine to medium grained.
5.0- 15.0	Light tan sand, fine to medium grained.
15.0- 20.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B167/P36TW167
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/03/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 12
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 1.0
10) Depth of well (BLS): 11.27
11) Length of well screen: 5
12) Length of casing (BLS): 6.27
13) Approx. height of casing above land surface: 3.83
14) Depth to water in well (BTOC): 10.81
15) Elevation of TOC: 12.57
16) Water level elevation: 1.76
17) Date groundwater sampled: 08/05/91
18) pH (units): 5.7
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 80
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 3.0	Dark brown sand, medium grained.
3.0- 5.0	Grey sand, medium grained.
5.0- 8.0	Dark brown sand, fine to medium grained.
8.0- 12.0	White sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) vas used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INPOWTION

1) Site no.: 36
2) Boring no./Well no.: P36B206/P36TW206
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/07/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 20
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 13
10) Depth of well (BLS): 21.95
11) Length of well screen: 5
12) Length of casing (BLS): 16.95
13) Approx. height of casing above land surface: 2.94
14) Depth to water in well (BTOC): 20.61
15) Elevation of TOC: 31.14
16) Water level elevation: 10.53
17) Date groundwater sampled: 08/07/91
18) pH (units): 6.0
19) Temperature (degrees C): 25
20) Specific conductance (umhos/cm): 180
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Concrete.
1.0- 12.0	Orange sand, medium grained.
12.0- 13.0	Light orange sand, medium grained.
13.0- 17.0	White sand, fine to medium grained.
17.0- 17.5	Brown sand, fine to medium grained.
17.5- 18.0	White sand, fine to medium grained.
18.0-20.0	Brown sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B174/P36TW174
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/03/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 15
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.4
10) Depth of well (BLS): 8.11
11) Length of well screen: 5
12) Length of casing (BLS): 3.11
13) Approx. height of casing above land surface: 1.99
14) Depth to water in well (BTOC): 6.76
15) Elevation of TOC: *8.46*
16) Water level elevation: 1.70
17) Date groundwater sampled: 08/03/91
18) pH (units): 6.7
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 150
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Hediua brown to dark brovn sand, fine to medium grained.
1.0- 1.5	Grey sand, medium grained.
1.5- 3.0	Light grey sand, medium grained.
3.0- 5.0	White sand, fine to medium grained.
5.0- 9.0	Grey sand, fine to medium grained.
9.0- 12.0	Medium brovn sand, medium grained.
12.0-15.0	Peat intermixed with wood chips and dark brovn sand, very fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B209/P36TW209
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/07/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 20
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 5.8
10) Depth of well (BLS): 19.18
11) Length of well screen: 5
12) Length of casing (BLS): 14.18
13) Approx. height of casing above land surface: 0.63
14) Depth to water in well (BTOC): 15.67
15) Elevation of TOC: 27.11
16) Water level elevation: 11.44
17) Date groundwater sampled: 08/07/91
18) pH (units): 6.3
19) Temperature (degrees C): 26
20) Specific conductance (umhos/cm): 110
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Asphalt and concrete.
0.3- 3.5	Red sand, medium grained (fill).
3.5- 5.0	Light tan sand, medium grained.
5.0- 10.0	Light tan sand, fine to medium grained intermixed with white sand, fine to medium grained.
10.0- 20.0	White sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B178/P36TW178
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/03/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 5
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.1
10) Depth of well (BLS): 6.98
11) Length of well screen: 5
12) Length of casing (BLS): 1.98
13) Approx. height of casing above land surface: 3.12
14) Depth to water in well (BTOC): 7.10
15) Elevation of TOC: 8.86
16) Vater level elevation: 1.76
17) Date groundwater sampled: 08/05/91
18) pH (units): 6.0
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 178
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Light tan sand, medium grained.
1.0- 1.5	Light yellow sand, fine grained.
1.5- 5.0	White sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
EA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B216/P36TW216
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/10/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 6.5
9) Highest open-borehole OVA/HNu reading (ppm): 80
10) Depth of well (BLS): 9.5
11) Length of well screen: 5
12) Length of casing (BLS): 4.5
13) Approx. height of casing above land surface: 0.5
14) Depth to water in well (BTOC): 5.23
15) Elevation of TOC: 6.47
16) Water level elevation: 1.24
17) Date groundwater sampled: 07/10/91
18) pH (units): 7.4
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 220
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.0	Red clayey sand, fine to medium grained.
1.0- 5.0	Dark brown sand, medium grained.
5.0- 10.0	White sand, medium to coarse grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITOEUNG WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B183/P36TW183
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 07/16/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 10
8) Depth to water in borehole (BLS): 2
9) Highest open-borehole OVA/HNu reading (ppm): >1000
10) Depth of well (BLS): 5.77
11) Length of well screen: 5
12) Length of casing (BLS): 0.77
13) Approx. height of casing above land surface: 4.23
14) Depth to water in well (BTOC): 5.66
15) Elevation of TOC: 9.92
16) Water level elevation: 4.26
17) Date groundwater sampled: 07/18/91
18) pH (units): 6.6
19) Temperature (degrees C): 27
20) Specific conductance (umhos/cm): 381
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 1.5	Light red sand, medium grained.
1.5- 5.0	Light grey sand, medium grained.
5.0- 7.5	Dark grey sand, medium grained.
7.5- 10.0	White sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORHATION

1) Site no.: 36
2) Boring no./Well no.: P36B222/P36TW222
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/02/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 8
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.4
10) Depth of well (BLS): 7.73
11) Length of well screen: 5
12) Length of casing (BLS): 2.73
13) Approx. height of casing above land surface: 2.38
14) Depth to water in well (BTOC): 6.17
15) Elevation of TOC: 10.44
16) Water level elevation: 4.27
17) Date groundwater sampled: 08/02/91
18) pH (units): 7.0
19) Temperature (degrees C): 29
20) Specific conductance (umhos/cm): 100
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.3	Concrete.
0.3- 2.0	Light grey sand, medium grained.
2.0- 8.0	White sand, medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B191
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/08/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 3
8) Depth to water in borehole (BLS): NA
9) Highest open-borehole OVA/HNu reading (ppm): >2000
10) Depth of well (BLS): NA
11) Length of well screen: NA
12) Length of casing (BLS): NA
13) Approx. height of casing above land surface: NA
14) Depth to water in well (BTOC): NA
15) Elevation of TOC: NA
16) Water level elevation: NA
17) Date groundwater sampled: NA
18) pH (units): NA
19) Temperature (degrees C): NA
20) Specific conductance (umhos/cm): NA
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments: * see note in lithologic log.*

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.2	Asphalt.
0.2- 2.0	Light tan sand, medium grained.
2.0- 3.0	Light yellow sand, very fine grained.
3.0- 3.0	*NOTE* On 08/02/91, could not auger below 3.0 ft. BLS; on 08/08/91 moved 30 ft. away, but could not go deeper. >2000 ppm on Hnu at 0.75 ft. at this offset location.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = belov land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY MONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B225/P36TW225
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/08/91
6) Geologist: HIKE GRECU
7) Depth of boring (BLS): 20
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 2.4
10) Depth of well (BLS): 25.66
11) Length of well screen: 5
12) Length of casing (BLS): 20.66
13) Approx. height of casing above land surface: 4.34
14) Depth to water in well (BTOC): 26.04
15) Elevation of TOC: 31.70
16) Water level elevation: 5.66
17) Date groundwater sampled: 08/09/91
18) pH (units): 6.5
19) Temperature (degrees C): 26
20) Specific conductance (umhos/cm): 65
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 3.0	Light orange sand, fine grained.
3.0- 4.5	Dark grey sand, fine to medium grained.
4.5- 5.0	Light orange sand, medium grained.
5.0- 12.0	Light tan sand, fine grained.
12.0- 14.0	Light orange sand, fine grained.
14.0- 18.0	White sand, fine grained becoming light tan sand, fine grained at 15 ft.
18.0-20.0	White sand, fine grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

SOIL BORING/TEMPORARY HONITORING WELL INFORMATION

1) Site no.: 36
2) Boring no./Well no.: P36B187/P36TW187
3) Drilling firm: Groundwater Protection
4) Drilling method: SSA
5) Date drilled/installed: 08/02/91
6) Geologist: MIKE GRECU
7) Depth of boring (BLS): 15
8) Depth to water in borehole (BLS): NR
9) Highest open-borehole OVA/HNu reading (ppm): 0.3
10) Depth of well (BLS): 18.63
11) Length of well screen: 5
12) Length of casing (BLS): 13.63
13) Approx. height of casing above land surface: 1.50
14) Depth to water in well (BTOC): 17.02
15) Elevation of TOC: 24.06
16) Water level elevation: *7.04*
17) Date groundwater sampled: 08/02/91
18) pH (units): 6.1
19) Temperature (degrees C): 28
20) Specific conductance (umhos/cm): 180
21) Borehole/Well abandonment method: Backfilled with cuttings.
22) Comments:

BOREHOLE LITHOLOGIC LOG

Sample Depth (BLS)	Sample Description
0- 0.5	Red sand, medium grained.
0.5- 15.0	Yellow sand, fine to medium grained.

Notes: All depths, lengths, heights, and elevations are measured in feet. All boreholes are 4 inches in diameter. All well casings and screens are 2-inch-diameter; well screen slot sizes are .010 inches. No annular material (i.e. filter pack, seal or grout) was used in well installation. Unless otherwise noted, all sand grains are quartz.

NA = not applicable
SSA = solid stem auger
HA = hand auger
NR = No Reading

BLS = below land surface
TOC = top of casing
BTOC = below top of casing

APPENDIX E

SOIL-GAS SURVEY DATA

SITE 36 SOIL GAS SURVEY

COORDINATE LOCATION	OVA BACKGROUND (ppm)	HINI-RAD (mR/hr)	WATER LEVEL (feet BLS)	OVA UNFILTERED (ppm)	OVA FILTERED (ppm)
P36SG001	0.2	0.0	5.98	2.4	NO DATA (ND)
P36SG002	2.2	0.0	9.18	20	ND
P36SG003	0.6	0.0	8.52	0.0	ND
P36SG004	0.2	0.0	ND	1000	1000
P36SG005	0.4	0.0	7.0	1000	1000
P36SG006	3.0	0.0	5.4	3.0	3.0
P36SG007	1.8	0.0	5.4	1.8	1.8
P36SG008	2.8	0.0	2.9	4.0	3.6
P36SG009	0.0	0.0	5.0	4.2	ND
P36SG010	0.0	0.0	5.0	8.2	ND
P36SG011	0.0	0.0	4.5	50	ND
P36SG012	0.4	0.0	8.3	0.7	ND
P36SG013	0.0	0.0	2.2	>1000	>1000
P36SG014	0.0	0.0	5.11	600	ND
P36SG015	0.0	0.0	7.0	5.2	ND
P36SG016	0.0	0.0	6.76	>1000	>1000
P36SG017	0.0	0.0	6.24	,1000	>1000
P36SG018	0.0	0.0	3.02	>1000	>1000
P36SG019	0.0	0.0	3.36	>1000	>1000
P36SG020	0.0	0.0	3.0	>1000	>1000
P36SG021	0.0	0.0	5.74	>1000	>1000
P36SG022	0.0	0.0	3.59	50	ND
P36SG023	0.0	0.0	5.22	0.0	ND
P36SG023DUP	0.0	0.0	5.25	3.2	ND
P36SG024	0.0	0.0	9.12	13.5	ND
P36SG025	0.0	0.0	7.55	0.0	ND
P36SG026	1.2	0.0	4.5	1.2	1.2
P36SG027	3.6	0.0	4.8	3.6	3.6
P36SG028	0.6	0.0	5.8	0.6	0.6
P36SG029	12	0.0	6.27	0.2	ND
P36SG030	0.0	0.0	5.9	1.5	ND
P36SG031	0.8	0.0	5.95	1.0	ND
P36SG032	3.2	0.0	7.0	3.2	0.7
P36SG033	0.0	0.0	5.85	1.2	0.0
P36SG034	1.9	0.0	8.78	>1000	0.0
P36SG035	1.0	0.0	8.90	65	52.0
P36SG036	3.4	0.0	ND	>1000	100
P36SG037	4.8	0.0	ND	80.0	10.0
P36SG038	1.2	0.0	ND	30	12.0
P36SG039	1.8	0.0	5.0	>1000	>1000
P36SG040	1.2	0.0	8.90	850	30
P36SG041	1.0	0.0	6.50	4.4	0.0
P36SG042	1.6	0.0	8.90	300	90
P36SG043	2.0	0.0	2.6	ND	ND

SITE 36 SOIL GAS SURVEY

COORDINATE LOCATION	OVA BACKGROUND (ppm)	MINI-RAD (mR/hr)	WATER LEVEL (feet BLS)	OVA UNFILTERED (ppm)	OVA FILTERED (ppm)
P36SG043DUP	2.0	0.0	2.6	2.0	2.0
P36SG044	1.0	0.0	4.2	3.5	3.5
P36SG045	2.0	0.0	4.5	>1000	5.0
P36SG046	4.0	0.0	6.9	100	8.0
P36SG047	3.5	0.0	6.9	400	6.0
P36SG048	3.5	0.0	7.1	>1000	>1000
P36SG049	3.5	0.0	6.8	>1000	550
P36SG050	5.0	0.0	6.8	100.0	7.0
P36SG051	4.5	0.0	7.1	6.0	6.0
P36SG052	ND	ND	ND	ND	ND
P36SG053	4.0	0.0	5.8	500	100
P36SG054	3.5	0.0	5.8	>1000	6.0
P36SG055	3.5	0.0	5.2	20.0	12.0
P36SG056	4.0	0.0	ND	110	4.0
P36SG057	4.5	0.0	ND	200	14
P36SG058	6.5	0.0	6.35	>1000	1000
P36SG059	5.5	0.0	ND	>1000	30
P36SG060	6.0	0.0	6.9	25	0.0
P36SG061	2.5	0.0	6.5	2.0	0.0
P36SG062	2.0	0.0	6.8	2.0	0.0
P36SG063	3.0	0.0	6.9	0.0	0.0
P36SG063DUP	3.0	0.0	6.5	3.0	3.0
P36SG064	3.2	0.0	6.5	0.0	0.0
P36SG065	2.8	0.0	6.2	6.8	4.2
P36SG066	3.0	0.0	6.4	3.0	3.0
P36SG067	3.3	0.0	4.7	0.0	18.0
P36SG068	2.0	0.0	3.4	60.0	15.0
P36SG069	2.6	0.0	3.0	3.6	2.6
P36SG070	2.5	0.0	2.1	50.0	4.8
P36SG071	2.8	0.0	2.1	50	12.0
P36SG072	3.0	0.0	2.0	18.0	10.0
P36SG073	3.8	0.0	4.8	10.0	8.0
P36SG074	1.2	0.0	4.5	760	20
P36SG075	3.8	0.0	4.8	260	12
P36SG076	4.2	0.0	5.2	4.6	4.6
P36SG077	5.0	0.0	5.6	5.0	5.0
P36SG078	2.6	0.0	3.0	2.6	2.6
P36SG079	4.5	0.0	3.2	4.5	4.5
P36SG080	5.6	0.0	3.1	7.8	7.8
P36SG081	7.2	0.0	3.2	230	80
P36SG082	9.4	0.0	2.9	32.0	0.0
P36SG083	8.2	0.0	3.0	8.2	8.2
P36SG083DUP	8.2	0.0	2.85	8.2	8.2
P36SG084	6.0	0.0	8.0	6.0	6.0
P36SG085	6.4	0.0	8.3	6.4	6.4

SITE 36 SOIL GAS SURVEY

COORDINATE LOCATION	OVA BACKGROUND (ppm)	MINI-RAD (mR/hr)	WATER LEVEL (feet BLS)	OVA UNFILTERED (ppm)	OVA FILTERED (ppm)
P36SG086	4.4	0.0	4.6	4.4	4.4
P36SG087	5.0	0.0	6.5	5.8	5.8
P36SG088	6.4	0.0	5.2	7.4	7.0
P36SG089	6.8	0.0	5.2	40.0	26.0
P36SG090	6.0	0.0	5.8	>1000	>1000
P36SG091	3.4	0.0	5.3	7.0	7.0
P36SG092	5.0	0.0	5.1	5.0	5.0
P36SG093	5.2	0.0	6.1	5.8	7.6
P36SG094	5.4.	0.0	6.2	5.4	19
P36SG095	6.8	0.0	10	7.0	8.2
P36SG096	8.4	0.0	6.5	8.4	8.4
P36SG097	5.8	0.0	8.0	5.8	5.8
P36SG098	6.0	0.0	5.0	6.0	6.0
P36SG099	7.0	0.0	2.4	22	12
P36SG100	6.8	0.0	5.0	6.8	6.8
P36SG101	4.4	0.0	6.1	62	32
P36SG102	7.4	0.0	7.4	>1000	210
P36SG103	4.4	0.0	5.8	4.4	4.4
P36SG103DUP	3.2	0.0	5.7	72	3.2
P36SG104	2.6	0.0	5.9	2.6	2.6
P36SG105	3.2	0.0	4.8	>1000	760
P36SG106	3.6	0.0	4.1	3.6	3.6
P36SG107	1.0	0.0	6.1	1.0	1.0
P36SG108	1.6	0.0	5.8	1.6	1.6
P36SG109	7.0	0.0	5.5	7.0	7.0
P36SG110	3.5	0.0	3.9	6.0	4.5
P36SG111	4.5	0.0	3.9	4.5	4.5
P36SG112	4.5	0.0	3.9	5.0	4.5
P36SG113	5.2	0.0	4.4	150	40
P36SG114	5.5	0.0	3.9	,1000	>1000
P36SG115	5.5	0.0	3.6	12	12
P36SG116	6.7	0.0	6.2	7.2	6.7
P36SG117	8.5	0.0	7.2	3.5	3.5
P36SG118	2.0	0.0	ND	2.0	2.0
P36SG119	2.2	0.0	10.1	2.2	2.2
P36SG120	1.7	0.0	9.5	2.4	1.7
P36SG121	4.5	0.0	10.2	160	6.4
P36SG122	6.4	0.0	10.2	400	9.7
P36SG123	6.2	0.0	ND	300	78
P36SG123DUP	6.2	0.0	>10	300	86
P36SG124	4.4	0.0	10.0	4.4	4.4
P36SG125	2.3	0.0	9.4	2.3	2.3
P36SG126	2.6	0.0	ND	3.8	3.8
P36SG127	3.2	0.0	ND	22.0	6.2
P36SG128	4.0	0.0	7.95	4.0	4.0

SITE 36 SOIL GAS SURVEY

COORDINATE LOCATION	OVA BACKGROUND (ppm)	WINI-RAD (mR/hr)	WATER LBVEL (feet BLS)	OVA UNFILTERED (ppm)	OVA FILTERED (ppm)
P36SG129	4.2	0.0	6.2	4.2	4.2
P36SG130	4.8	0.0	6.5	5.4	4.8
P36SG131	4.8	0.0	7.6	4.8	4.8
P36SG132	5.0	0.0	6.2	5.0	5.0
P36SG133	6.0	0.0	6.5	24	8.2
P36SG134	7.8	0.0	6.3	12	8.0
P36SG135	4.0	0.0	6.25	4.0	4.0
P36SG136	0.2	0.0	6.7	2.8	2.2
P36SG137	3.2	0.0	7.0	>1000	3.6
P36SG138	3.4	0.0	6.0	80	24
P36SG139	3.5	0.0	>10	4.6	4.0
P36SG140	4.8	0.0	9.2	5.6	5.4
P36SG141	5.6	0.0	10.3	5.6	5.2
P36SG142	5.8	0.0	9.8	5.8	5.8
P36SG143	2.4	0.0	8.0	2.4	2.4
P36SG144	4.5	0.0	>10	4.5	4.5
P36SG145	4.0	0.0	>10	100	30
P36SG146	4.8	0.0	>10	4.8	4.8
P36SG147	3.8	0.0	>10	100	5.8
P36SG148	3.0	0.0	>10	320.0	3.0
P36SG149	2.6	0.0	>10	300	5.6
P36SG150	3.2	0.0	>10	8.6	8.6
P36SG151	2.8	0.0	>10	220	8.8
P36SG152	2.2	0.0	>10	6.2	4.8
P36SG153	3.6	0.0	>10	180	3.8
P36SG154	2.8	0.0	>10	340	15.9
P36SG155	5.8	0.0	>10	420	10.0
P36SG156	4.0	0.0	3.6	480	160
P36SG157	6.0	0.0	2.6	22	12
P36SG158	4.0	0.0	2.7	24	15
P36SG158DUP	2.2	0.0	2.6	72	54
P36SG159	4.0	0.0	2.7	62	38
P36SG160	2.0	0.0	2.8	820	67
P36SG161	6.0	0.0	2.8	6.0	6.0
P36SG162	4.s	0.0	5.9	5.6	5.6
P36SG163	7.5	0.0	6.8	7.5	7.5
P36SG164	8.2	0.0	5.8	8.2	8.2
P36SG165	8.2	0.0	7.6	8.2	8.2
P36SG166	7.5	0.0	8.3	8.7	8.6
P36SG167	8.3	0.0	6.6	8.3	8.3
P36SG168	8.8	0.0	5.0	230	10
P36SG169	9.4	0.0	2.8	300	14
P36SG170	9.2	0.0	1.0	520	430
P36SG171	ND	ND	ND	ND	ND
P36SG172	5.0	0.0	3.0	20	5

SITE 36 SOIL GAS SURVEY

COORDINATE LOCATION	OVA BACKGROUND (ppm)	MINI-RAD (mR/hr)	WATER LEVEL (feet BLS)	OVA UNFILTERED (ppm)	OVA FILTERED (ppm)
P36SG173	7.4	0.0	>10	7.4	7.4
P36SG174	4.0	0.0	4.0	60.0	58
P36SG175	2.6	0.0	4.0	36	34
P36SG176	3.4	0.0	4.0	400	22
P36SG177	4.2	0.0	5.0	160	160
P36SG178	5.0	0.0	3.5	5.0	5.0
P36SG178DUP	5.0	0.0	3.5	5.6	5.2
P36SG179	1.6	0.0	4.5	1.6	1.6
P36SG180	6.8	0.0	4.0	7.2	7.2
P36SG181	5.2	0.0	4.2	5.2	5.2
P36SG182	6.2	0.0	2.5	6.8	0.0
P36SG183	6.8	0.0	2.0	8.9	8.9
P36SG184	5.6	0.0	2.5	9.0	6.0
P36SG185	1.0	0.0	>10	100	100
P36SG186	0.0	0.0	>10	12.0	8.0
P36SG187	7.8	0.0	>10	110	7.2'
P36SG188	7.8	0.0	>10	90	7.0
P36SG189	7.5	0.0	>10	22	5.6
P36SG190	6.8	0.0	>10	700	6.4
P36SG191	7.0	0.0	>10	>1000	>1000
P36SG192	8.0	0.0	>10	12	8.0
P36SG193	9.0	0.0	>10	700	10
P36SG194	8.0	0.0	ND	>1000	5.8
P36SG195	7.0	0.0	>10	>1000	8.8
P36SG196	6.6	0.0	4.6	12	12
P36SG197	6.5	0.0	4.8	6.5	6.5
P36SG198	7.2	0.0	4.6	12	6.4
P36SG198DUP	6.4	0.0	4.6	12	6.0
P36SG199	6.5	0.0	4.6	6.5	6.5
P36SG200	6.0	0.0	4.4	7.8	7.4
P36SG201	6.2	0.0	4.2	7.2	5.8
P36SG202	5.4	0.0	4.0	8.5	5.9
P36SG203	6.0	0.0	2.0	>1000	>1000
P36SG204	0.0	0.0	8.2	0.0	0.0
P36SG205	12	0.0	6.4	30	24
P36SG206	5.4	0.0	>10	950	6.4
P36SG207	6.0	0.0	>10	520	7.2
P36SG208	5.6	0.0	>10	840	6.2
P36SG209	5.7	0.0	>10	380	7.0
P36SG210	5.9	0.0	>10	7.0	6.0
P36SG211	6.4	0.0	>10	20	0.0
P36SG212	5.6	0.0	>10	680	28
P36SG213	4.8	0.0	>10	660	48.0
P36SG214	7.0	0.0	>10	560	560
P36SG215	6.4	0.0	7.0	8.0	8.0

SITE 36 SOIL GAS SURVEY

COORDINATE LOCATION	OVA BACKGROUND (ppm)	MINI-RAD (mR/hr)	WATER LEVEL (feet BLS)	OVA UNFILTERED (ppm)	OVA FILTERED (ppm)
P36SG216	6.2	0.0	5.0	160	22
P36SG217	5.6	0.0	4.8	5.6	5.6
P36SG218	5.4	0.0	3.5	5.4	5.4
P36SG218DUP	5.4	0.0	3.5	5.4	5.4
P36SG219	5.2	0.0	5.8	5.2	5.2
P36SG220	5.4	0.0	>4	8.6	6.0
P36SG221	5.6	0.0	6.0	14	5.6
P36SG222	6.5	0.0	5.4	13	9
P36SG223	6.2	0.0	>5	14	7
P36SG224	6.0	0.0	>4	9.4	6.0
P36SG225	6.0	0.0	>10	52	6.0
P36SG226	6.2	0.0	>10	100	6.2