

Mr. C's Site

Groundwater Monitoring Well Logs
and Construction Information

Village of East Aurora, Erie County
Site No. 915157

Compiled by E&E Engineering, PC
March 2004

Monitoring Wells in the Vicinity of Mr. C's, East Aurora, NY

Well ID	Top of Seal (ft bgs)	Top of Sand Pack (ft bgs)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	Bottom of Sand Pack (ft bgs)	Casing Diameter (inches)	Comments
ESI-1	4.5	7	8	18	20	2	
ESI-2	6	8	9	19	20	2	
ESI-3	4.1	6	7	17	18	2	
ESI-4	2	4	5	15	16	2	
ESI-5	2	4	5	15	16	2	
ESI-6	3.8	6	7	17	18	2	
MW-1	9	10.6	12	22	22	2	
MW-2	--	--	10	15	--	2	
MW-3	3.7	6.1	7	17	18	4	
MW-4	4.7	6.6	7.3	17.3	18	4	
MW-5	--	--	10	15	--	2	Info given is from Table 4-3 in 10/00 Remedial Design Document, but there are two different logs with this name in the log section of this document
MW-6	3	--	5	14.5	15	2	
MW-7	3	--	5	14.5	15	2	
MW-8	3	--	5	14.5	15	2	Not on map, well was installed for Agway on Main St
MW-9	3	--	5	14.5	15	2	
MW-10	2	--	4	13.5	14	2	
MPI-1S	5.3	7.2	9	19	19.5	2	
MPI-1I	2	29.2	31	41	41.5	2	
MPI-1D	--	--	--	--	--	--	Bottom of boring at 90 ft bgs, drilled with 4.25 augers
MPI-2S	3.8	6	8	18	18.5	2	
MPI-3S	3.7	5.7	8	18	18.5	2	
MPI-4S	6.8	8.8	11	21	21.5	2	
MPI-4I	4	29.8	32	42	42.5	2	
MPI-4D	60	63.9	66	76	76	2	
MPI-5S	3.9	5.9	8	18	18.4	2	
MPI-5I	8	30	32	42	42.5	2	
MPI-5D	--	--	--	--	--	--	Bottom of boring at 64 ft bgs, drilled with 4.25 augers
MPI-6S	7.9	10	12.3	22.3	23	2	
MPI-7I	5.3	27.1	29.5	39.5	40	2	
MPI-7D	--	--	--	--	--	--	Bottom of boring at 60 ft bgs, drilled with 4.25 augers
MPI-8S	NA	NA	NA	NA	NA	NA	Abandoned
MPI-9S	4.5	6.5	8	18	18.5	2	
MPI-10B	11	13	16.5	31.5	32	2	
MPI-11B	8.5	13	15	30	30.5	2	
MPI-12B	11.5	15	20	35	35	2	
MPI-13B	10	15	17	32	32	2	MPI-13B is not on map, but MW-13B is
MPI-14B	8.5	11	15	30	30	2	MPI-14B is not on map, but MW-14B is on map
RW	4.2	7.2	9.2	19.2	20	6	Not on map
RW2	--	--	--	--	--	--	Have no info, only see on map

Key:

- = Unknown.
- ft bgs = Feet below ground surface.
- NA = Not applicable.

BOREHOLE LOG MPI-1S

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 03/17/84 - 03/18/84
 DRILLING METHOD: 6.25-inch ID HSA
 LOGGED/CHECKED BY: JPH/RHO
 SURFACE ELEVATION: 815.381t.

SYMBOLS AND DEFINITIONS

BB Split Spoon (2in.ID)
 B63 Split Spoon (3in.ID)
 BT Shelby Tube (2.8in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAB Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft ANSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)	
				SAMPLE NO. / RUN NO.	BLOWS / B"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.	% RGD.			
1	814.38	TOPSOIL Dark brown CLAYEY SILT, trace fine sand, grass rootlets		1 SS	1 2 3 3	0.8	5						JHS=0.1 ppm	
2	813.38	TILL Light-moderate brown CLAYEY SILT, little clay, little subangular fine gravel, firm, CL			2 SS	2 4 8 8	0.8	13						JHS=0.2 ppm
3	812.38	Light brown-olive moist CLAYEY SILT, some fine-coarse sand, little fine shale subangular gravel, blocky texture, stiff, CL			3 SS	3 7 4 11	1.8	11						JHS=0.1 ppm
4	811.38	Grayish brown moist CLAYEY SILT, w/iron staining & mottling, trace-little clay, some plasticity, little subrounded gravel to 3/4" dia., little fine-course sand, stiff, CL			4 SS	4 5 5 5	1.2	10						JHS=0.3 p
5	810.38	Moderate olive-brown moist SANDY SILT, little-some fine gravel, numerous black shale clasts to 1/4" thick x 1" dia., trace-little clay, some coarse-very fine sand, loose, SM			5 SS	2 2 2 3	0.3	4						JHS=0.1 ppm
6	809.38	Moderate brown wet v.fine-fine SAND, trace silt, loose, SP-SM			6 SS	2 2 3 4	1.3	5						JHS=0.2 ppm
7	808.38	Moderate brown wet mostly fine, trace v.fine SAND w/faint bedding fabric as lighter, finer sand partings <1/4" thickness, liquefies when disturbed, loose, SP-SM w/SAND layer w/trace fine round gravel to 1/4" from 13.7-13.8' and brown wet SILTY SAND layer w/mostly v.fine sand, trace fine, liquefies when disturbed, compact, SP-SM, from 13.8-14.0'			7 SS	5 6 8 12	2.0	12						JHS=0.5 ppm
8	807.38	Moderate gray wet v.fine SAND, trace-occ.fine gravel, trace-little silt, liquefies when disturbed, compact, SM			8 SS	1 5 5 5	1.8	10						JHS=0.8 ppm
9	806.38	SILT & v.fine SAND, light brown-tan			9 SS	WR WR 3 6	2.0	3						JHS=0.6 ppm
10	805.38	Brown wet v.fine-fine SAND, trace medium, w/very fine sand partings as bedding fabric, liquefies when disturbed, loose, SP-SM			10 SS	3 4 4 5	1.4	8						
11	804.38	Brownish gray wet v.fine-fine SAND, trace silt & v.fine sand as bedding fabric, loose, SM												
12	803.38													
13	802.38													
14	801.38													
15	800.38													
16	800.38													
17	800.38													
18	800.38													
19	800.38													
20	805.38	Boring complete at 20'. Set well.												

BOREHOLE LOG MPI-1D

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: O288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: New York State Survey Grid

CLIENT: NYSDEC
 DRILLING DATES: 02/18/84 - 2/22/84
 DRILLING METHOD: 4.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 913.95ft.

SYMBOLS AND DEFINITIONS

BB Split Spoon (2in.ID)
 BB3 Split Spoon (3in.ID)
 BT Shelby Tube (2.8in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHB HNU reading in jar headspace
 GAS Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)	
				SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.	% ROD.			
1	912.95	TOPSOIL moist dark brown SILT LOAM, soft, fine size roots, ML		1 SS	1	1.2	5						JHS=0.2 ppm	
2	911.95	TILL Brown moist CLAYEY SILT, with 15-40% subrounded to subangular gravel, trace-little sand, blocky, Firm, CL becoming stiff at 2.0'		2 SS	5 5 5	1.1	11						JHS=0.3 ppm	
3	910.95			3 SS	3 4 5 6	1.1	9						JHS=0.1 ppm	
4	909.95			4 SS	5 4 4 3	0	8						JHS=0.1 ppm	
5	908.95			5 SS	2 2 2 2	0	4						JHS=0.1 ppm	
6	907.95	no recovery, stiff		6 SS	3 5 5 6	1.0	10						JHS=0.3 ppm	
7	906.95			7 SS	4 4 6 4	0.8	10						JHS=0.2 ppm	
8	905.95	no recovery, very loose		8 SS	2 4 8 13	1.4	12						JHS=0.1 ppm	
9	904.95			9 SS	7 5 6 8	1.4	11						JHS=0.1 ppm	
10	903.95	STRATIFIED Brown moist SILTY SANDY GRAVEL w/80-80% gravel, little sand and silt, loose when disturbed, GM												
11	902.95	Brown wet SILTY SAND, mostly fine, little very fine sand, trace iron staining in layers, occasional silt lenses ~1/4" thick, loose, liquifies when disturbed, SM												
12	901.95													
13	900.95													
14	899.95													
15	898.95	Brown wet SILTY SAND, mostly fine-little medium and very fine sand, loose, liquifies when disturbed, SM												
16	897.95													
17	896.95	Brown wet SILTY SAND, mostly fine, little very fine sand, compact, liquifies when disturbed, SM												
18	895.95	occasional coarse Gravel (~1" in diameter)												
19	894.95													
20	893.95													

BOREHOLE LOG MPI-1D

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: New York State Survey Grid

CLIENT: NYSDEC
 DRILLING DATES: 02/18/84 - 2/22/84
 DRILLING METHOD: 4.25-Inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 913.95ft.

SYMBOLS AND DEFINITIONS

BS Split Spoon (2in.ID)
 BS3 Split Spoon (3in.ID)
 BT Shelby Tube (2.8in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAB Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft. AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)				
				SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.	% ROD.						
21	892.85	STRATIFIED Brown wet SAND, trace-little silt, medium-fine sand, compact, liqulfies when disturbed, SP-SM Becoming loose at 22' Becoming very loose at 24'		8 SS	3 5 8 7	1.3	13						JHS=0.1 ppm				
22	891.85													JHS=0.1 ppm			
23	890.85					10 SS	2 3 8 8	0.4	8						JHS=0.1 ppm		
24	888.85														JHS=0.1 ppm		
25	888.85					11 SS	WH 1 2 3	0.8	3						JHS=0.5 ppm		
26	887.85														JHS=0.5 ppm		
27	886.85			Brownish gray wet SILTY SAND, mostly very fine sand, little fine, trace-no medium size, loose, readily liqulfies when disturbed, SM Alternating grayish brown to brownish gray wet SILTY SAND, with silt partings ~8-10 layers per 1/2" thick, mostly fine and very fine sand, some silt, compact, liqulfies when disturbed, SM Grayish brown wet SAND, mostly fine and medium sand, trace silt, compact, loose when disturbed, SP-SM Brownish gray wet SAND, mostly fine-medium sand, trace-no silt, occasional silt lenses, compact, loose when disturbed, SP Brownish gray wet SANDY SILT, mostly silt, some very fine sand and little fine sand, occasional clayey silt lenses, very soft, liqulfies when disturbed, ML becoming stiff at 34' becoming loose at 36'		12 SS	1 2 4 5	1.0	8							JHS=0.5 ppm	
28	885.85																JHS=0.5 ppm
29	884.85							13 SS	4 8 8 8	1.2	18						JHS=0.5 ppm
30	883.85																JHS=0.5 ppm
31	882.85					14 SS	5 7 8 8	1.8	15						JHS=0.5 ppm		
32	881.85														JHS=0.5 ppm		
33	880.85					15 SS	WH WH 2 3	1.3	2						JHS=0.4 ppm		
34	879.85														JHS=0.5 ppm		
35	878.85					16 SS	8 4 5 8	1.5	8						JHS=0.5 ppm		
36	877.85														JHS=0.4 ppm		
37	876.85			17 SS	2 2 3 3	0.8	5						JHS=0.4 ppm				
38	875.85												JHS=0.4 ppm				
39	874.85			18 SS	3 3 3 3	1.3	8										
40	873.85																

BOREHOLE LOG MPI-1D

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: New York State Survey Grid

CLIENT: NYSDEC
 DRILLING DATES: 02/18/84 - 2/22/84
 DRILLING METHOD: 4.25-Inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 813.85ft.

SYMBOLS AND DEFINITIONS

BB Split Spoon (2in.ID)
 BS3 Split Spoon (3in.ID)
 BT Shelby Tube (2.8in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAS Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' X)

DEPTH (ft. BGS)	ELEVATION (ft. AMSL)	SOIL/ROCK DESCRIPTION	SOIL DATA				ROCK DATA			WELL DIAGRAM	COMMENTS (USCS)	
			GRAPHIC LOG	SAMPLE NO. / RUN NO.	BLOWS / Ø"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.			% REC.
41	872.85	LAMINATED Gray wet CLAYEY SILT, with little fine sand, silt lenses ~1/8" thick, an occasional SAND lenses ~1/4-1" thick, soft, CL becoming firm at 42'		18	SS	3 2 2 3	1.4	4				JHS=0.5 ppm
42	871.85			20	SS	3 3 3 3	1.2	6				JHS=0.5 ppm
43	870.85					21	SS	3 3 2 3	1.3	5		
44	869.85	22	SS					2 3 8 8	1.3	8		
45	868.85			23	SS			2 8 11 11	1.2	17		
46	867.85					24	SS	8 5 7 8	1.8	12		
47	866.85	25	SS					2 4 5 8	1.8	8		
48	865.85			26	SS			1 2 4 5	1.8	8		
49	864.85					27	SS	2 2 3 3	1.8	5		
50	863.85	28	SS					2 2 5 5	1.7	7		
51	862.85			28	SS			2 5 5	1.7	7		
52	861.85					28	SS	2 5 5	1.7	7		
53	860.85	28	SS					2 5 5	1.7	7		
54	859.85			28	SS			2 5 5	1.7	7		
55	858.85					28	SS	2 5 5	1.7	7		
56	857.85	28	SS					2 5 5	1.7	7		
57	856.85			28	SS			2 5 5	1.7	7		
58	855.85					28	SS	2 5 5	1.7	7		
59	854.85	28	SS					2 5 5	1.7	7		
60	853.85			28	SS			2 5 5	1.7	7		
						28	SS	2 5 5	1.7	7		
		28	SS					2 5 5	1.7	7		
				28	SS			2 5 5	1.7	7		

BOREHOLE LOG MPI-1D

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0200-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: New York State Survey Grid

CLIENT: NYSDEC
 DRILLING DATES: 02/18/94 - 2/22/94
 DRILLING METHOD: 4.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 813.951t.

SYMBOLS AND DEFINITIONS

BB Split Spoon (2in.ID)
 BB3 Split Spoon (3in.ID)
 BT Shelby Tube (2.8in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAB Combustible Gas reading in seagers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)
				SAMPLE NO. / RUN NO.	BLOWS / 8" B	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.	% RGD.		
61	852.85	Gray extremely moist SILTY CLAY with little-some silt, trace sand, stiff, CL, with gray medium SAND partings approx 1-3" thick at 60', 60.5', 61', 62', and 62.5'	[Graphic Log]	29 SS	3 4 6 8	1.8	10						JHS=0.5 ppm
62	851.85	becoming firm at 62', medium SAND from 62-62.5'	[Graphic Log]										JHS=0.5 ppm
63	850.85	thinner SAND lenses at 63'	[Graphic Log]	30 SS	WH WH 5 5	1.5	5						JHS=0.5 ppm
64	849.85	thin medium sand partings at 64.8', 65', 65.1'.	[Graphic Log]										JHS=0.5 ppm
65	848.85		[Graphic Log]	31 SS	1 2 4 5	1.8	8						JHS=0.5 ppm
66	847.85	3" medium SAND lenses	[Graphic Log]										JHS=0.5 ppm
67	848.85		[Graphic Log]	ST			2.0						JHS=0.5 ppm
68	845.85	3" medium SAND lenses. Gray moist-extremely moist SILTY CLAY, little-some silt, occasional silt partings, soft, CL	[Graphic Log]										JHS=0.5 ppm
69	844.85		[Graphic Log]	32 SS	WH WH 2 8	1.8	2						JHS=0.7 ppm
70	843.85	Gray moist SAND from 70-70.5', mostly medium sand, loose, SP	[Graphic Log]										JHS=0.6 ppm
71	842.85	Gray wet SAND at 71.5, SP	[Graphic Log]	33 SS	1 2 5 8	1.8	7						JHS=0.7 ppm
72	841.85	Interlayered gray moist SILTY CLAY ~4-8" thick, w/little-some silt, soft, CL & SILTY SAND w/ little silt, mostly fine sand, very loose, liquefies when disturbed, SM	[Graphic Log]										JHS=0.8 ppm
73	840.85		[Graphic Log]	34 SS	WH 1 2 3	2.0	3						JHS=0.7 ppm
74	838.85	Gray moist SILTY CLAY, little silt, soft, CL	[Graphic Log]										JHS=0.8 ppm
75	838.85		[Graphic Log]	35 SS	WH 1 3 8	2.0	4						JHS=0.8 ppm
76	837.85	Gray moist SILTY SAND, very fine sand, compact, liquefies when disturbed, SM	[Graphic Log]										JHS=0.5 ppm
77	838.85	Gray moist CLAYEY SILT, some clay, occ v. thin fine sand partings, v. stiff, CL	[Graphic Log]	36 SS	8 8 8 8	2.0	17						JHS=0.5 ppm
78	835.85	Gray moist SILTY SAND, some silt, mostly fine & very fine sand, compact, liquefies when disturbed, SM-ML	[Graphic Log]										JHS=0.5 ppm
79	834.85		[Graphic Log]	37 SS			1.7						
80	833.85	Gray wet SILTY CLAY, little silt, v. soft, CL	[Graphic Log]										

BOREHOLE LOG MPI-1D

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: New York State Survey Grid

CLIENT: NYSDEC
 DRILLING DATES: 02/18/84 - 2/22/84
 DRILLING METHOD: 4.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 813.85ft.

SYMBOLS AND DEFINITIONS

BS Split Spoon (2in.ID)
 BS3 Split Spoon (3in.ID)
 BT Shelby Tube (2.0in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHB HNU reading in jar headspace
 GAG Combustible Gas reading in augers

x----x Penetration Resistance ('N' Blows/1.0 ft.)
 o----o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)	
			GRAPHIC LOG	SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.			% ROD.
81	832.95			38 SS	WR WH WH 1	2.0	0						JHS=0.7 ppm
82	831.85	Gray wet SANDY SILT, trace clay, some fine sand, occasional clayey silt parting ~1/4-1/2" thick, loose, liquifies when disturbed, SM		38 SS	1	1.7	4						JHS=0.5 ppm
83	830.95				2								
84	829.85				2								
85	828.85	Gray wet CLAYEY SILT tending toward SILTY CLAY, some clay, very soft, CL		40 SS	WR WR 1 5	2.0	1						JHS=0.5 ppm
86	827.85	8-10 SILT partings ~0.2' in length.											JHS=0.5 ppm
87	826.85	Laminated SILT parting		41 SS	WR WR WH 3	2.0	0						JHS=0.5 ppm
88	825.85			42 SS	WR WR WH 1	2.0	0						JHS=0.5 ppm
89	824.85												
90	823.85	Gray wet SILT with little very fine sand, liquifies when disturbed, ML											
91	822.85	Boring complete at 80.0'. Grouted hole with cement bentonite grout. Moved rig feet. Installed MPI-1I.											
92	821.85												
93	820.85												
94	819.85												
95	818.85												
96	817.85												
97	816.85												
98	815.85												
99	814.85												
100	813.85												

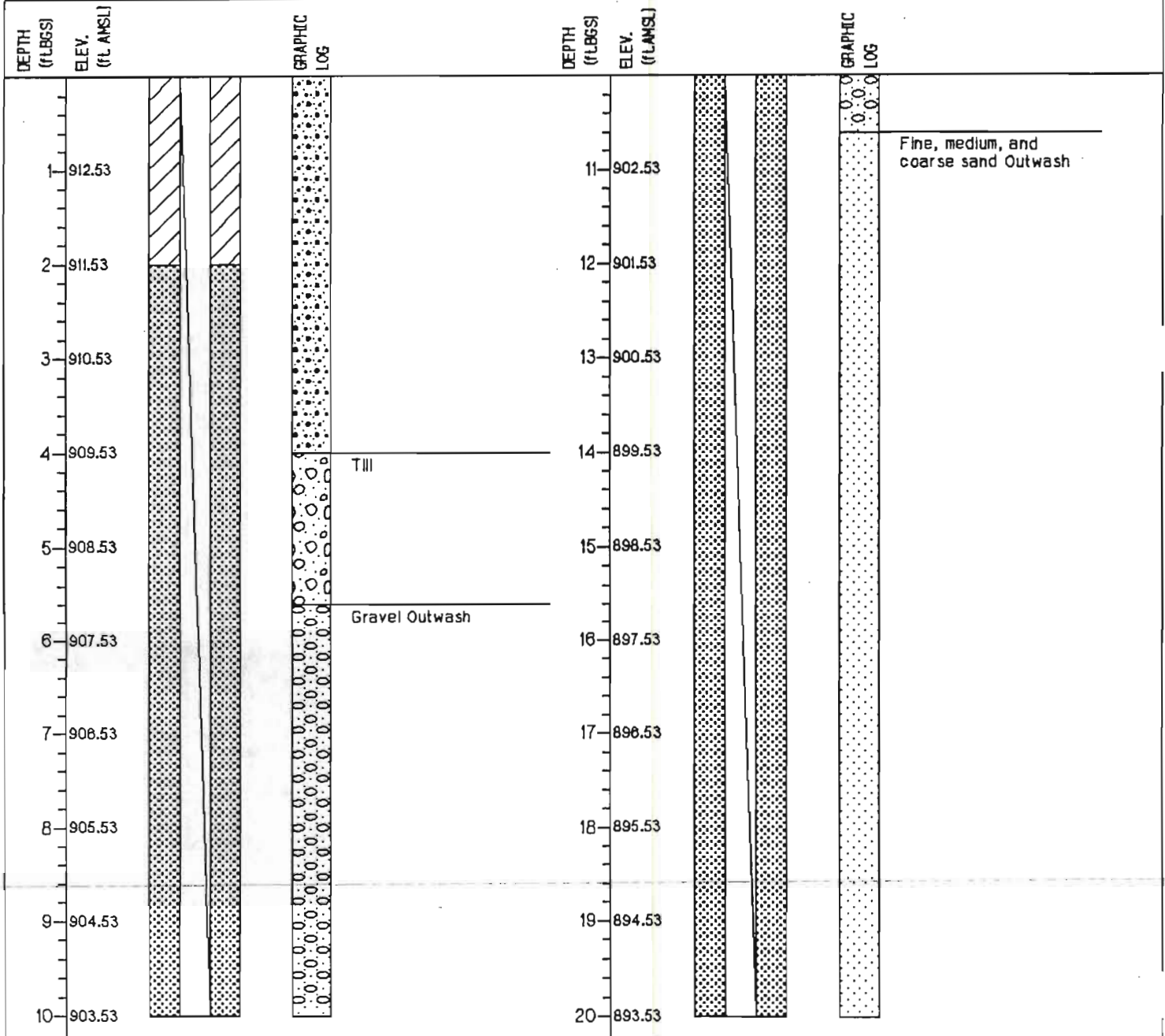
WELL/BOREHOLE MPI-1I CONSTRUCTION DETAILS

PROJECT: MR C CLEANERS
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 3/84
 DRILLING METHOD: 8.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 913.53ft.

SYMBOLS AND DEFINITIONS

- | | | |
|--|--|---|
| <p> BENTONITE-CEMENT BEAL
0 to 2.0 feet</p> <p> BENTONITE BLURRY BEAL
2.0 to 28.2 feet</p> <p> MORIE #00 SAND PACK
28.2 to 41 feet</p> <p> 2-INCH DIAMETER BLOTTED (0.005")SCREEN
31.0 to 41.0 feet</p> | <p> 4-INCH DIAMETER CASING
0 feet</p> <p> 2-INCH DIAMETER RIDER
0 to 31.0 Feet</p> <p> 8-INCH DIAMETER BOREHOLE
0 feet</p> <p> 4-INCH DIAMETER BOREHOLE
0 feet</p> | <p> GRAPHIC LOG
refer to
BOREHOLE LOG MPI-ID
for a
complete
description</p> |
|--|--|---|







NOTES: 1. 0.7 FT. long by 8-in. diameter curb box extends to 0.5 ft. BGS.





WELL/BOREHOLE MPI-1I CONSTRUCTION DETAILS


PROJECT: MR C CLEANERS
 PROJECT NO.: 0200-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

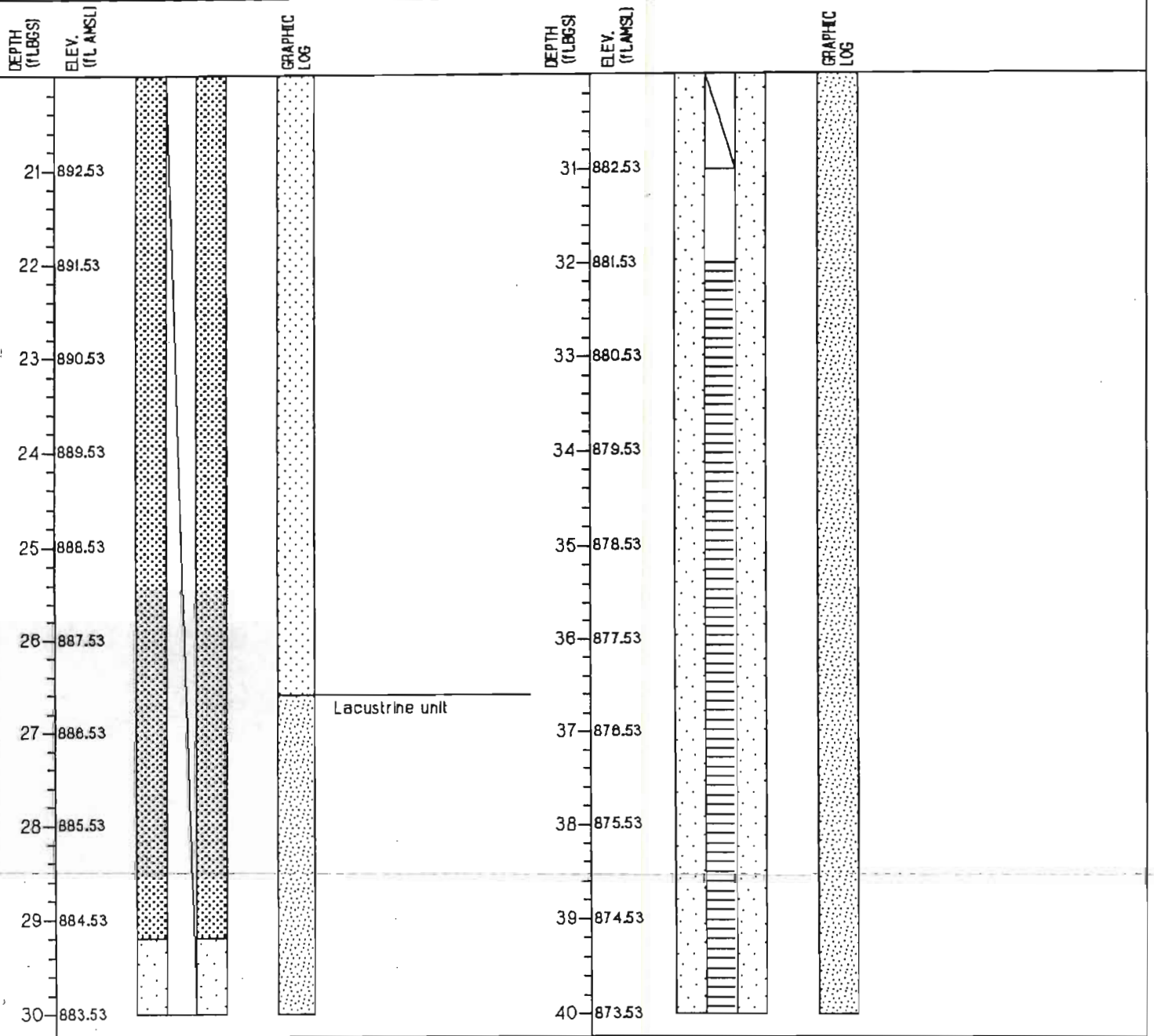
CLIENT: NYSDEC
 DRILLING DATES: 3/94
 DRILLING METHOD: 6.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 813.53ft.

SYMBOLS AND DEFINITIONS

-  BENTONITE-CEMENT SEAL
0 to 2.0 feet
-  BENTONITE BLURRY SEAL
2.0 to 2&2 feet
-  MORSE #00 SAND PACK
2&2 to 41 feet
-  2-INCH DIAMETER BLOTTED (0.006")SCREEN
31.0 to 41.0 feet

-  4-INCH DIAMETER CASING
0 feet
-  2-INCH DIAMETER RISER
0 to 31.0 Feet
-  6-INCH DIAMETER BOREHOLE
0 feet
-  4-INCH DIAMETER BOREHOLE
0 feet

 GRAPHIC LOG
refer to
BOREHOLE LOG MPI-ID
for a
complete
description







NOTES: 1. 0.7 FT. long by 6-in. diameter curb box extends to 0.5 ft. BGS.





WELL/BOREHOLE MPI-1I CONSTRUCTION DETAILS

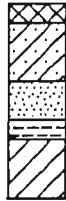
PROJECT: MR C CLEANERS
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

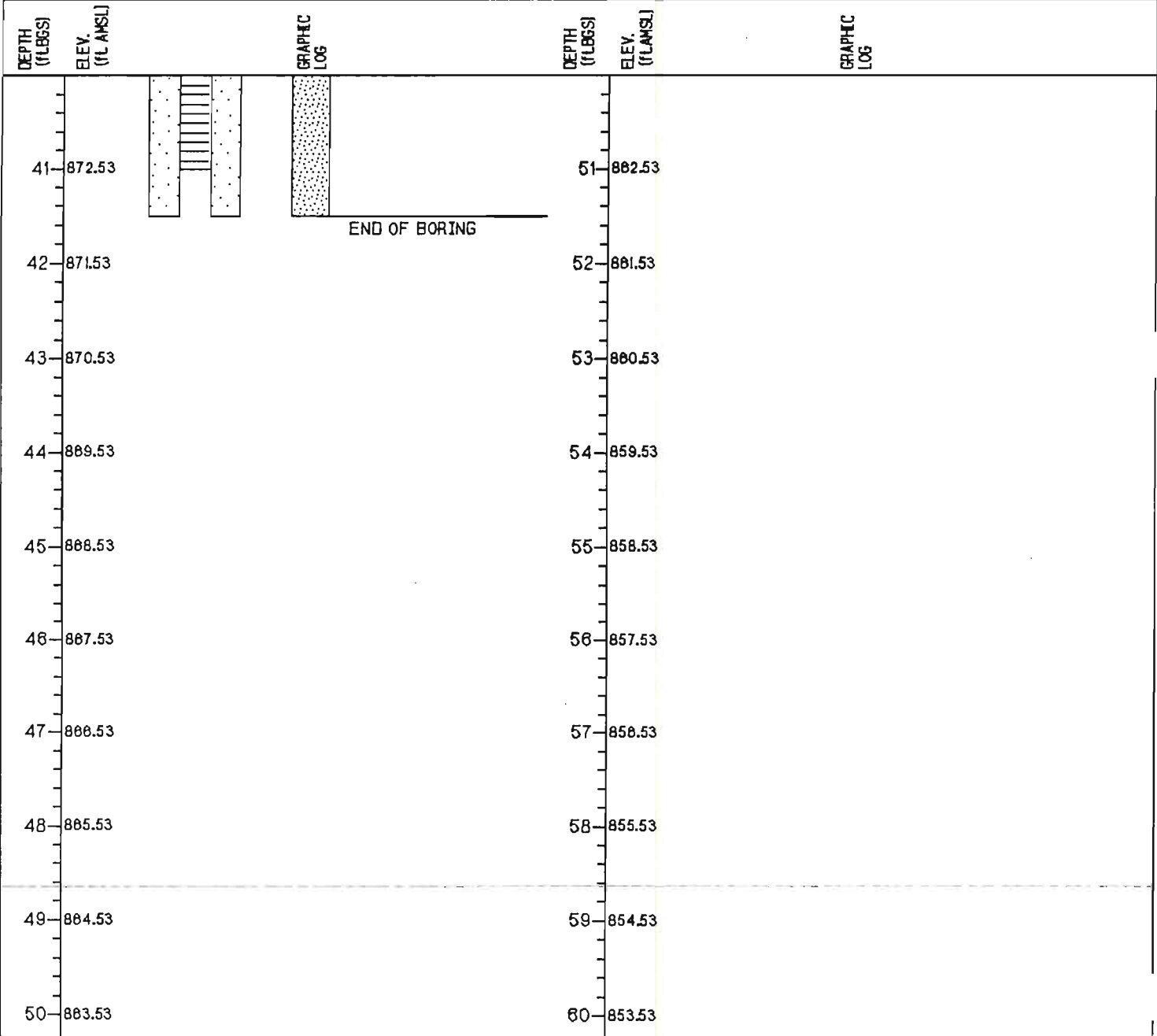
CLIENT: NYSDEC
 DRILLING DATES: 3/84
 DRILLING METHOD: 8.25-Inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 813.53ft.

SYMBOLS AND DEFINITIONS

-  BENTONITE-CEMENT SEAL
0 to 2.0 feet
-  BENTONITE SLURRY SEAL
2.0 to 28.2 feet
-  MORIE #00 BAND PACK
28.2 to 41 feet
-  2-INCH DIAMETER BLOTTED (0.006")SCREEN
31.0 to 41.0 feet

-  4-INCH DIAMETER CASING
0 feet
-  2-INCH DIAMETER RIBER
0 to 31.0 Feet
-  6-INCH DIAMETER BOREHOLE
0 feet
-  4-INCH DIAMETER BOREHOLE
0 feet

 GRAPHIC LOG
refer to
BOREHOLE LOG MPI-ID
for a
complete
description



NOTES: 1. 0.7 FT. long by 6-in. diameter curb box extends to 0.5 ft. BGS.

BOREHOLE LOG MPI-2S

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0208-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 03/14/84
 DRILLING METHOD: 8.25-Inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 817.34ft.

SYMBOLS AND DEFINITIONS

66 Split Spoon (2In.ID)
 663 Split Spoon (3In.ID)
 6T Shelby Tube (2.8In.ID)
 WR Weight of Rock
 NR No Recovery
 - Sampler Refusal

JHG HNU reading in jar headspace
 GAB Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft. AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA			WELL DIAGRAM	COMMENTS (USCS)
				SAMPLE NO. / RUN NO.	BLOWS / Ø"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.		
1	818.34	BLACKTOP										JHS=0.3 ppm
2	815.34	Light gray crystalline material (Salty) with low specific gravity		1 SS	8 7 4	1.0	13					JHS=0.3 ppm
3	814.34	TOPSOIL dark brown frozen loam w/white specks		2 SS	1 2 3 3	0.8	5					JHS=0.3 ppm
4	813.34	TILL, brown moist CLAYEY SILT, little-some sand, little gravel, firm, CL										JHS=0.3 ppm
5	812.34	Brown moist CLAYEY SILT, some sand, 25-40% gravel, stiff, CL		3 SS	4 8 4 4	0.8	10					JHS=0.3 ppm
6	811.34	STRATIFIED brown moist SILTY SAND, mostly coarse sand, trace-little silt, loose when disturbed, loose, SM										JHS=0.3 ppm
7	810.34			4 SS	3 4 8 8	0.4	10					JHS=0.3 ppm
8	809.34	Brown moist SAND, mostly fine-medium sand, trace coarse, trace-no silt, loose when disturbed, very loose, SP-SM										JHS=0.3 ppm
9	808.34			5 SS	1 1 3	1.1	2					JHS=0.2 ppm
10	807.34	Brown moist becoming wet at 11.0 SAND, mostly fine, little very fine sand, trace silt, liquifies when disturbed, loose, SP										JHS=0.2 ppm
11	806.34			6 SS	1 3 3	1.5	4					JHS=0.2 ppm
12	805.34	Brown wet SAND, mostly fine-medium sand, trace silt & gravel, gravel mostly subrounded and subangular, loose when disturbed, loose, SP										JHS=0.2 ppm
13	804.34			7 SS	3 3 5 8	1.8	8					JHS=0.3 ppm
14	803.34	Brown wet SILTY SAND, mostly fine & very fine sand, trace medium size, little silt, liquifies when disturbed, loose, SP-SM occasional Cobbles at 14.5'										JHS=0.2 ppm
15	802.34			8 SS	1 12 14 17	1.1	28					JHS=0.2 ppm
16	801.34											JHS=0.2 ppm
17	800.34			9 SS	1 2 5 5	1.2	7					JHS=0.3 ppm
18	888.34											JHS=0.3 ppm
19	888.34			10 SS	2 3 5 7	1.4	8					JHS=0.3 ppm
20	887.34	Boring complete at 20' w/augers at 18.5'. Set well										

BOREHOLE LOG MPI-3S

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 03/18/84
 DRILLING METHOD: 8.25-inch ID HSA
 LOGGED/CHECKED BY: JPH/RHO
 SURFACE ELEVATION: 814.79 ft.

SYMBOLS AND DEFINITIONS

BB Split Spoon (2in.ID)
 BS3 Split Spoon (3in.ID)
 BT Shelby Tube (2.8in.ID)
 WR Weight of Rocks
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAB Combustible Gas reading in augers

----- Penetration Resistance ('N' Blows/1.0 ft.)
 o----- Moisture Content ('N' %)

DEPTH (ft. BGS)	ELEVATION (ft. AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)	
				SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.	% RGD.			
1	813.79	TOPSOIL dark brown moist gray CLAYEY SILTY, trace fine gravel, trace-little clay		1 SS	1	1.2	3						JHS=0.1 ppm	
2	812.79	TILL brown ext. moist SANDY SILT, little fine-coarse sand trace-little gravel shale clasts, trace clay, blocky, v. loose, SM		2 SS	1	0.8	2							JHS=0.1 ppm
3	811.78	Light brown moist SANDY SILT, trace-little black shale gravel clasts, little very fine-coarse sand & trace clay, soft, ML		3 SS	1	1.1	11							JHS=0.2 ppm
4	810.78	Light brown-olive moist SILTY SAND, w/iron stained mottling, little-some fine gravel to 1/4" diameter, little very fine-coarse sand, compact, SP-SM		4 SS	4	0	5							JHS=0.8 ppm
5	809.78	No Recovery		5 SS	2	1.0	13							JHS=1.8 ppm
6	808.78	Grayish brown wet Sandy Gravel, fine-coarse sand, w/gravel, trace silt, mottled, iron stained, black shale gravel clasts to 1/2" dia., thin light gray silt parting to 1/2", loose when disturbed, compact, GW-GM		6 SS	10	0.5	19							JHS=1.2 ppm
7	807.78	Grayish brown wet GRAVEL, w/fine-coarse sand, little silt, black shale gravel clasts to 1/2" dia., light gray silt partings to 1/2", compact, GW-GM		7 SS	10	1.4	26							JHS=0.1 ppm
8	806.78	Grayish brown wet fine-coarse GRAVEL w/1" diameter, some very fine-coarse sand, mottled, iron stains throughout, trace silt, compact, GW-GM		8 SS	8	1.8	11							JHS=0.1 ppm
9	805.78	Gravel, subrounded to 1/4" diameter, compact, GP		9 SS	5	0.8	4							JHS=0.1 ppm
10	804.78	Orange-brown wet SAND, iron stained, v. fine-fine sand, trace-little silt, liquifies when disturbed, compact, SM		10 SS	2	0.8	4							JHS=0.1 ppm
11	803.78	Gray wet SAND, v. fine-fine sand, trace-little silt, liquifies when disturbed, compact, SM		11 SS	2	0.8	4							JHS=0.1 ppm
12	802.78	Gray wet SAND, v. fine sand, trace-little silt, occ. silty clay parting to 1/4" thick as bedding fabric, liquifies when disturbed, compact, SM		12 SS	2	0.8	4							JHS=0.1 ppm
13	801.78	Gray wet SAND, v. fine sand, trace-little silt, occ. silty clay parting to 1/4" thick as bedding fabric, liquifies when disturbed, compact, SM		13 SS	2	0.8	4							JHS=0.1 ppm
14	800.78	Gray wet SAND, v. fine sand, trace-little silt, occ. silty clay parting to 1/4" thick as bedding fabric, liquifies when disturbed, compact, SM		14 SS	2	0.8	4							JHS=0.1 ppm
15	800.78	Gray wet SAND, v. fine sand, trace-little silt, occ. silty clay parting to 1/4" thick as bedding fabric, liquifies when disturbed, compact, SM		15 SS	2	0.8	4							JHS=0.1 ppm
16	800.78	Gray wet SAND, v. fine sand, trace-little silt, occ. silty clay parting to 1/4" thick as bedding fabric, liquifies when disturbed, compact, SM		16 SS	2	0.8	4							JHS=0.1 ppm
17	800.78	Gray wet SAND, v. fine sand, trace-little silt, occ. silty clay parting to 1/4" thick as bedding fabric, liquifies when disturbed, compact, SM		17 SS	2	0.8	4							JHS=0.1 ppm
18	800.78	Gray wet SAND, v. fine sand, trace-little silt, occ. silty clay parting to 1/4" thick as bedding fabric, liquifies when disturbed, compact, SM	18 SS	2	0.8	4							JHS=0.1 ppm	
19	800.78	Gray wet SAND, v. fine sand, trace-little silt, occ. silty clay parting to 1/4" thick as bedding fabric, liquifies when disturbed, compact, SM	19 SS	2	0.8	4							JHS=0.1 ppm	
20	800.78	Gray wet SAND, v. fine sand, trace-little silt, occ. silty clay parting to 1/4" thick as bedding fabric, liquifies when disturbed, compact, SM	20 SS	2	0.8	4							JHS=0.1 ppm	

Boring complete at 18'. Set Well

BOREHOLE LOG MPI-4D

PROJECT: MR. C CLEANERS REMEDIAL INVESTIGATION
 PROJECT NO.: 0200-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 2/15/94 & 12/29/94 through 1/6/95
 DRILLING METHOD: BOREHOLE FOR WELL, 10.25" HSA-43.5" CASING
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 915.97 ft. NGVD

SYMBOLS AND DEFINITIONS

SS Split Spoon (2in.ID)
 S53 Split Spoon (3in.ID)
 ST Shelby Tube (2.8in.ID)
 WR Weight of Rods
 WH Weight of Hammer
 NR No Recovery

JHS HNU reading in jar headspace

x---x Penetration Resistance ('N' Blows/ft.)
 o---o Moisture Content ('M' %)

DEPTH (ft. BGS)	ELEVATION (ft. AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA			WELL DIAGRAM	COMMENTS (USCS)
				SAMPLE NO. / RUN NO.	BLOWS / 6"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.		
1	914.97	TOPSOIL dark brown (frozen from 0-.2), moist SILT LOAM, little sand, some roots, stiff, (CL-ML)		1 SS	3 4 7 7	0.3	11					JHS=1
2	913.97			SS	3 3 3 3	0.0	8					JHS=1.2
4	911.97	no recovery, firm		2 SS	2 3 3 8	1.0	8					JHS=0
5	910.97	FILL, dark brown moist CLAYEY SILT with trace ang to subang gravel and sand, noticed one piece brick frag, firm, (CL)		3 SS	5 7 7 8	0.5	14					JHS=0.2
6	909.97	TILL, brown moist CLAYEY SILT with little sand and gravel, trace roots, stiff, (CL)		4 SS	4 5 8 8	0.2	11					JHS=0.1
7	908.97	TILL, grayish brown moist CLAYEY SILT with 15-40% mostly angular shale gravel, trace to little sand, stiff, (CL)		5 SS	2 3 4 4	0.9	7					JHS=0.1
8	907.97			8 SS	2 3 3 4	0.8	8					JHS=0.2
9	906.97			7 SS	2 2 4 4	1.1	8					JHS=0.1
10	905.97			8 SS	5 5 7 8	1.3	12					JHS=0.1
11	904.97	STRATIFIED, Dark brown moist-extremely moist SILTY SANDY GRAVEL w40- 80% mostly subrounded gravel, little shale frag, little-some medium to coarse sand, little silt, trace clay, loose, (GM)		9 SS	2 3 5 5	1.4	8					JHS=0.1
12	903.97	becoming wet at 12'										
13	902.97	Brown wet SAND, mostly fine sand with trace medium, liquifies when disturbed, loose, (SP-SM)										
14	901.97	becoming compact at 16'										
15	900.97											
16	899.97											
17	898.97											
18	897.97	Grayish brown wet SAND, mostly fine sand with trace very fine, liquifies when disturbed, compact, contains occasional lenses of SAND, mostly medium w/some fine sand, loose, (SP)										
19	896.97											
20	895.97											

BOREHOLE LOG MPI-4D

PROJECT: MR. C CLEANERS REMEDIAL INVESTIGATION
 PROJECT NO.: 0200-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 2/15/94 & 12/29/94 through 1/8/95
 DRILLING METHOD: BOREHOLE FOR WELL, 10.25"HSA-43.5", 8" CA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 915.97ft. NGVD

SYMBOLS AND DEFINITIONS

SS Split Spoon (2in.ID)
 SSS Split Spoon (3in.ID)
 ST Shelby Tube (2.8in.ID)
 WR Weight of Rods
 WH Weight of Hammer
 NR No Recovery

JHS HNU reading in jar headspace

x---x Penetration Resistance ('N' Blows/ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft. AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA			WELL DIAGRAM	COMMENTS (USCS)
				SAMPLE NO. / RUN NO.	BLOWS / B*	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.		
21	894.97	continued from page 1		10 SS	2 3 5 7	2.0	8					JHS-0.1
22	893.97											JHS-0.1
23	892.97			11 SS	1 5 5 7	1.0	10					JHS-0.8
24	891.97	Brownish gray wet SAND, mostly very fine and fine size sand, trace silt, compact, liquifies when disturbed, (SP)		12 SS	2 4 2 3	0.9	8					JHS-1.0
25	890.97											JHS-1.0
26	889.97											JHS-1.0
27	888.97			13 SS	2 3 5 8	2.0	8					JHS-0.5
28	887.97	Gray wet SAND, mostly very fine size, little silt, liquifies when disturbed, loose, (SM)		14 SS	1 2 2 4	2.0	4					JHS-0.2
29	888.97	Brownish gray wet SAND, mostly fine to medium size sand, little silt, trace to no gravel, liquifies when disturbed, very loose, (SP-SM)										JHS-0.2
30	885.97											JHS-0.2
31	884.97	Gray wet SAND, mostly very fine to fine size sand, little to some silt, trace to few clay, liquifies when disturbed, compact, (SM) two clayey silt lenses at 31.0', approximately 1/8" thick one clayey silt lenses at 32.5'		15 SS	4 8 15 18	1.3	23					JHS-0
32	883.97											JHS-0
33	882.97				16 SS	3 4 8 10	1.4	10				
34	881.97											JHS-0
35	880.97			17 SS	3 4 5 5	1.5	9					JHS-0
36	879.97											JHS-0
37	878.97			18 SS	8 6 5 5	1.3	11					JHS-0.1
38	877.97											JHS-0.1
39	876.97			19 SS	8 8 8 7	1.6	16					
40	875.97											

BOREHOLE LOG MPI-4D

PROJECT: MR. C CLEANERS REMEDIAL INVESTIGATION
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 2/15/94 & 12/29/94 through 1/8/95
 DRILLING METHOD: BOREHOLE FOR WELL, 10.25"HSA-43.5", 8" CASING
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 915.97 ft. NGVD

SYMBOLS AND DEFINITIONS

SS Split Spoon (2in.ID)
 SS3 Split Spoon (3in.ID)
 ST Shelby Tube (2.8in.ID)
 WR Weight of Rods
 WH Weight of Hammer
 NR No Recovery

JHS HNU reading in jar headspace

x---x Penetration Resistance ('N' Blows/ft.)
 o---o Moisture Content ('M' %)

DEPTH (ft. BGS)	ELEVATION (ft. AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA			ROCK DATA			WELL DIAGRAM	COMMENTS (USCS)
				SAMPLE NO. / RUN NO.	BLOWS / B*	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.		
41	874.97	continued from page 2		20 SS	4 5 8 8	1.7	11				JHS=0
42	873.97	LAMINATED, Brownish gray wet SANDY SILT, w/mostly very fine - fine sand, occasional silty clay lenses approx. 1/8" thick, sandy silt liquifies when disturbed, loose (ML)		21 SS	2 3 4 4	1.8	7				JHS=0.1
43	872.97			22 SS	1 1 2 2	1.4	3				JHS=0
44	871.97			ST	- - -	2.0	-				JHS=-
45	870.97	Brownish gray wet CLAYEY SILT w/little fine sand, firm, CL		23 SS	5 8 8 9	1.8	14				JHS=0.1
46	869.97	Brownish gray wet SANDY SILT w/mostly v. fine - fine sand, alternating w/CLAYEY SILT, w/little clay, approx 8-8 layers per inch, sandy silt liquifies when disturbed, very loose SM and CL		24 SS	3 5 7 8	1.4	12				JHS=0.1
47	868.97	SILTY SAND .1' thick, mostly v. fine sand		25 ST	- - -	2.0	-				JHS=0
48	867.97	SILTY SAND .3' thick, mostly v. fine sand		28 SS	WH 2 4 4	1.5	8				JHS=0.1
49	866.97	Gray extremely moist CLAYEY SILT w/occ. v. fine size sand parting, CL		27 SS	1 4 4 8	2.0	8				JHS=0.2
50	865.97	Gray ext. moist CLAYEY SILT tending toward SANDY SILT, v. thin fine sand partings making clayey silt lenses app. 1/2" thick, CL		28 SS	2 3 4 4	2.0	7				JHS=0.1
51	864.97	Brownish gray wet alternating layers SANDY SILT & CLAYEY SILT app. 1/16"-1/4" thick, sandy silt layers liquify when disturbed, 2-11" sandy silt layers @ 49.0' & 49.5'									
52	862.97	Gray ext. moist SILTY CLAY w/an occasional very thin silt parting, stiff, CL									
53	859.97	Gray ext. moist SANDY SILT w/v. fine - fine sand, liquifies when disturbed, SM, w/occ. lenses of ext. moist SILTY CLAY, CL									
54	858.97	Gray wet SAND, mostly med. size, loose when disturbed, SP w/ gray ext. moist SILTY CLAY, soft, CL from 54-54.5'									
55	857.97										
56	856.97										
57	855.97										

BOREHOLE LOG MPI-4D

PROJECT: MR. C CLEANERS REMEDIAL INVESTIGATION
 PROJECT NO.: 0200-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 2/15/94 & 12/29/94 through 1/8/95
 DRILLING METHOD: BOREHOLE FOR WELL, 10.25"HSA-43.5', 8" CA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 915.971ft.NGVD

SYMBOLS AND DEFINITIONS

SS Split Spoon (2in.ID)
 SSS Split Spoon (3in.ID)
 ST Shelby Tube (2.8in.ID)
 WR Weight of Rods
 WH Weight of Hammer
 NR No Recovery

JHS HNU reading in jar headspace

x---x Penetration Resistance ('N' Blows/ft.)
 o---o Moisture Content ('N' %)





DEPTH (ft.BGS)	ELEVATION (ft. AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA			ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)
				SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (ft)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.		
61	854.97	Becoming stiff at 80.0'.	29 SS	2 4 8 8	2.0	10						JHS=0.1
62	853.97											JHS=0.1
63	852.97		30 SS	1 5 4 8	1.8	11						JHS=0.1
64	851.97											JHS=0.1
65	850.97	Gray ext.moist CLAYEY SILT, thin sand partings throughout, med.consist, CL	1 SS	1 8 8 8	2.0	12						JHS=0
66	849.97	Gray wet SILT, trace v.fine sand, liquifies when dist., muck like consistency, loose, ML										JHS=0
67	848.97	Gray wet CLAYEY SILT, sand partings of fine & med sand throughout, 1 larger seam 0.5" thick @ 87.7', hard, CL	2 SS	18 22 23 25	1.9	45						JHS=0.1
68	847.97											JHS=0.1
69	846.97	Gry ext moist SILTY CLAY, CL	3 SS	3 5 8 10	2.0	13						JHS=0.1
70	845.97	Gray wet CLAYEY SANDY SILT, some f.sand & silt, trc- little clay, CL										JHS=0.1
71	844.97	Gray wet SILT, trace v.fine sand, liquifies when disturbed, firm, ML	4 SS	8 5 5 8	1.4	10						JHS=0.1
72	843.97	Gray wet CLAYEY SILT w/3 silty sand seams 0.1' thick @ 70.3, 70.5, & 70.9, occ v. thin sand partings throughout, med. consist, CL										JHS=0.1
73	842.97		5 SS	8 7 7 9	2.0	14						JHS=0.1
74	841.97	Gray wet med SAND 0.7' thick, trace silt, loose, SP/ Gray wet SILTY CLAY from 72.9-74.2', med consist, CL										JHS=0.1
75	840.97	Gray wet SAND, mostly f.sand, trace silt, liquifies when disturbed, firm, SP	6 SS	7 9 10 10	2.0	19						JHS=0.1
76	839.97	Gray wet SILTY CLAY, stiff, CL										JHS=0.1
77	838.97			4 4 8 9	2.0	10						JHS=0.1
78	837.97	Borehole complete @ 77.5'. Borelog is a compilation of MPI-4D from 1994 data.										
79	836.97	MPI-4D-95 boring approx 10' from MPI-4D-94. Borehole was adv. w/10.25" augers to 43.5'. Permanent 8" casing installed to 43.5'. 8" casing adv. to 70.5'. Monitoring well installed @ 70.5'.										
80	835.97											


WELL/BOREHOLE MPI-4S CONSTRUCTION DETAILS


PROJECT: MR. C CLEANERS
 PROJECT NO.: 0200-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

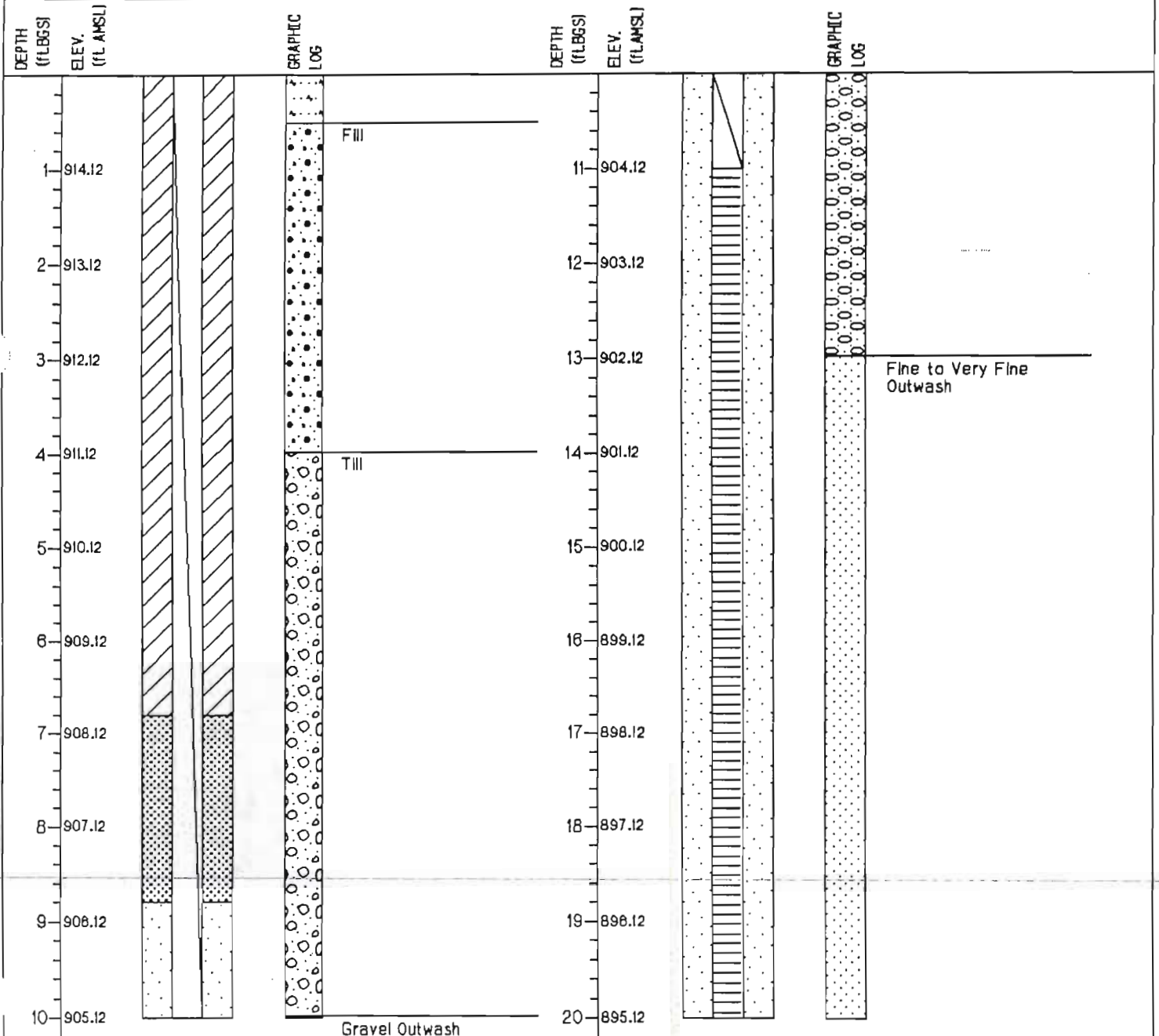
CLIENT: NYSDEC
 DRILLING DATES: 3/10/94
 DRILLING METHOD: 8.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 815.12ft.

SYMBOLS AND DEFINITIONS

-  BENTONITE-CEMENT BEAL
0 to 6.6 feet
-  BENTONITE PELLET BEAL
6.6 to 8.6 feet
-  MORIE #0 SAND PACK
8.6 to 21.5 feet
-  2-INCH DIAMETER BLOTTED (0.01") BSCREEN
11.0 to 21.0 feet

-  2-INCH DIAMETER RIBBER
0 to 11.0 feet

 GRAPHIC LOG
refer to
BOREHOLE LOG MPI-4D
for a
complete
description



NOTES: 1. 0.7 ft. long by 8-in. diameter curb box extends to approx .7 ft BGS.

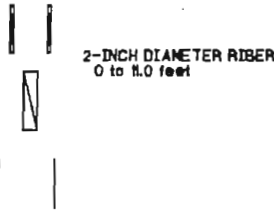
WELL/BOREHOLE MPI-4S CONSTRUCTION DETAILS

PROJECT: MR. C CLEANERS
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

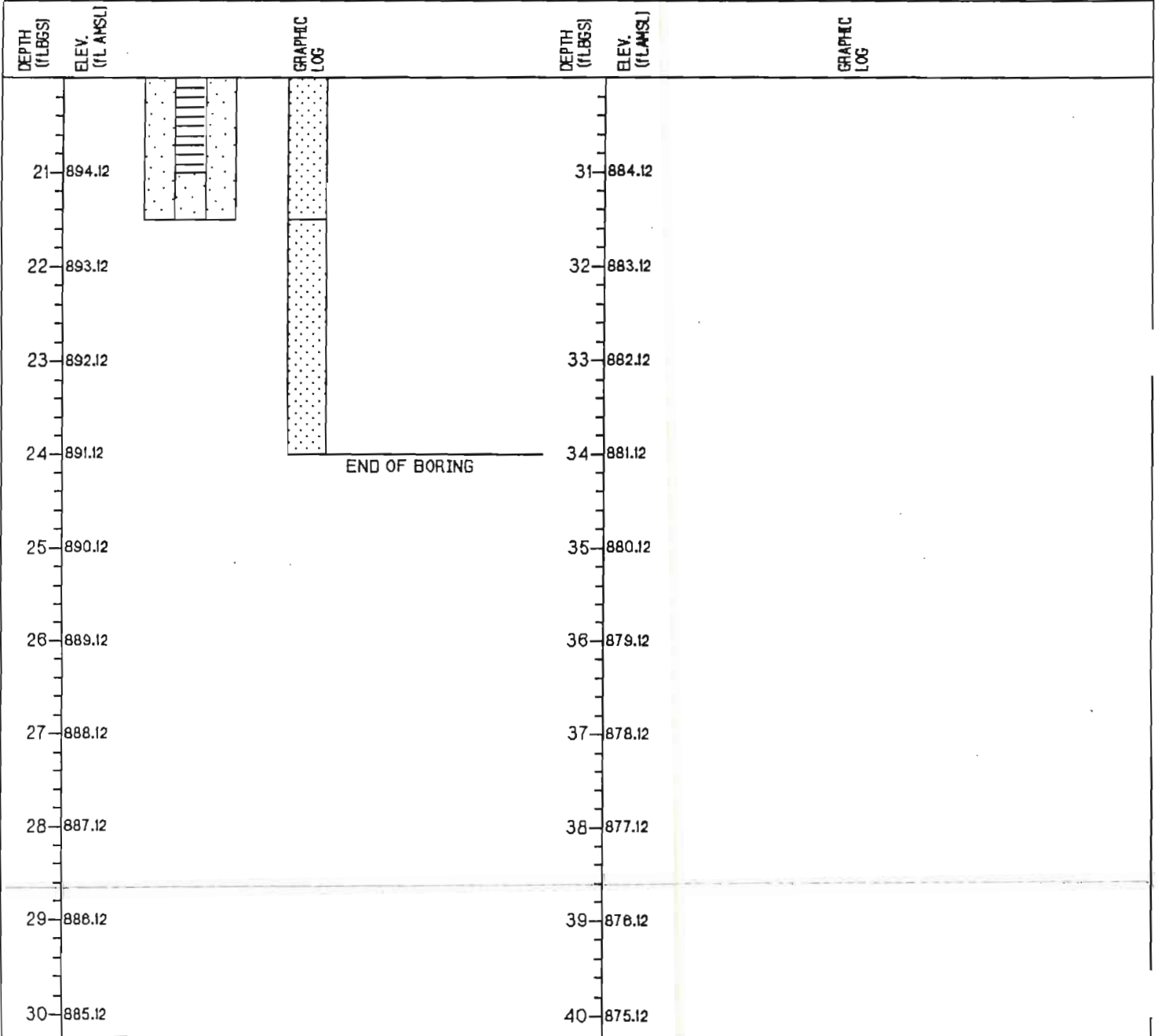
CLIENT: NYSDEC
 DRILLING DATES: 3/18/84
 DRILLING METHOD: 8.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 815.12ft.

SYMBOLS AND DEFINITIONS

- BENTONITE-CEMENT BEAL
0 to 2.8 feet
- BENTONITE PELLET BEAL
2.8 to 2.8 feet
- NO. 20 SAND PACK
2.8 to 21.6 feet
- 2-INCH DIAMETER SLOTTED (0.01")SCREEN
11.0 to 21.0 feet



GRAPHIC LOG
refer to
BOREHOLE LOG MPI-4D
for a
complete
description







NOTES: 1. 0.7 ft. long by 8-in. diameter curb box extends to approx .7 ft BGS.





WELL/BOREHOLE MPI-4I CONSTRUCTION DETAILS


PROJECT: MR. C CLEANERS
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

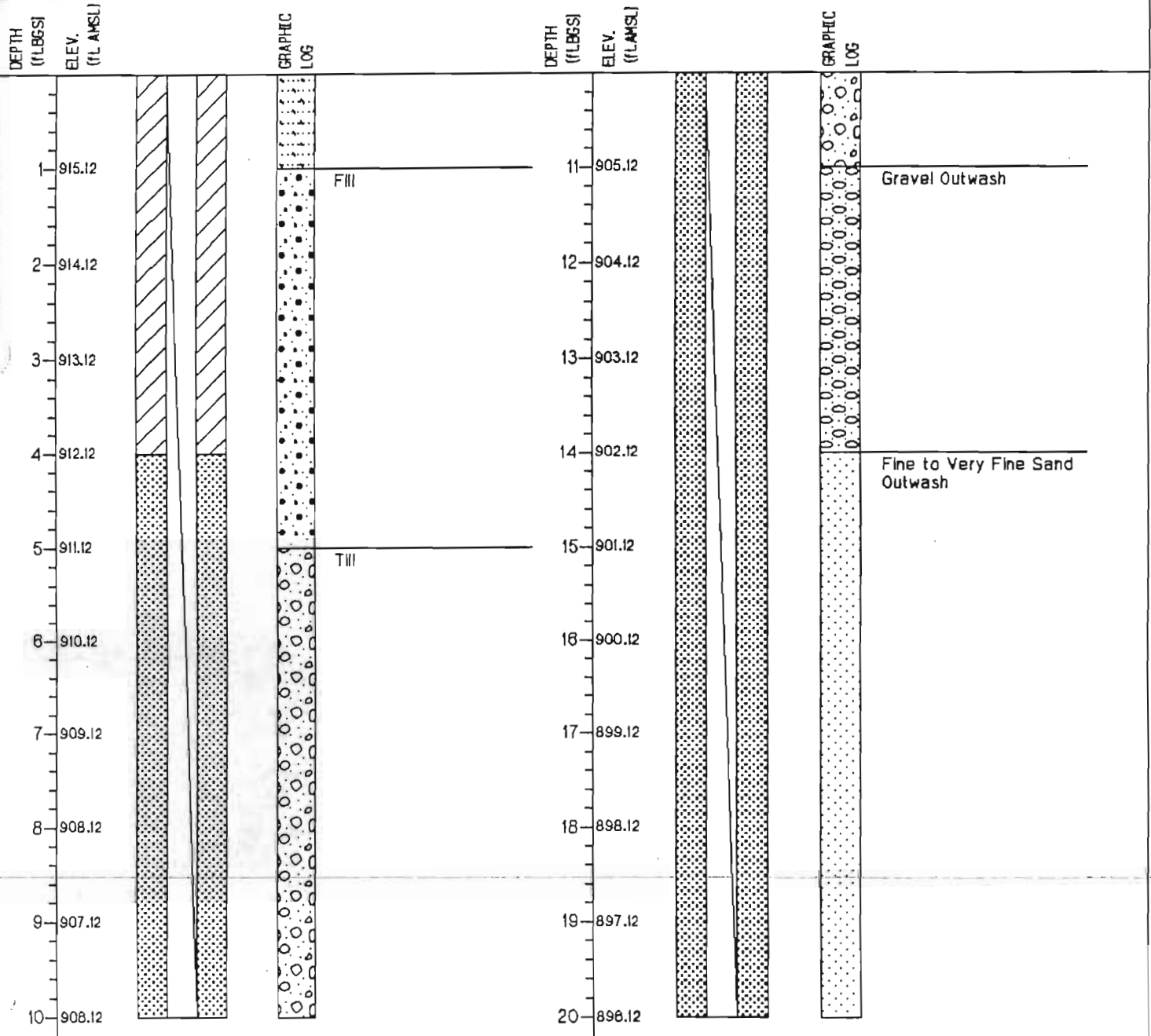
CLIENT: NYSDEC
 DRILLING DATES: 3/84
 DRILLING METHOD: 8.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 816.12ft.

SYMBOLS AND DEFINITIONS

-  BENTONITE-CEMENT SEAL
0 to 4.0 feet
-  BENTONITE SLURRY SEAL
4.0 to 28.8 feet
-  MORIE #00 SAND PACK
28.8 to 42.5 feet
-  2-INCH DIAMETER BLOTTED (0.006")SCREEN
32.0 to 42.0 feet

-  4-INCH DIAMETER CASING
-  2-INCH DIAMETER RIBER
0 to 32.0 feet
-  8-INCH DIAMETER BOREHOLE
-  4-INCH DIAMETER BOREHOLE

-  GRAPHIC LOG
refer to
BOREHOLE LOG MPI-4D
for a
complete
description








NOTES: 1. 0.7 ft. long by 8-in. diameter curb box extends to 0.5 ft. BGS.





WELL/BOREHOLE MPI-4I CONSTRUCTION DETAILS

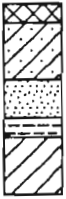
PROJECT: MR. C CLEANERS
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

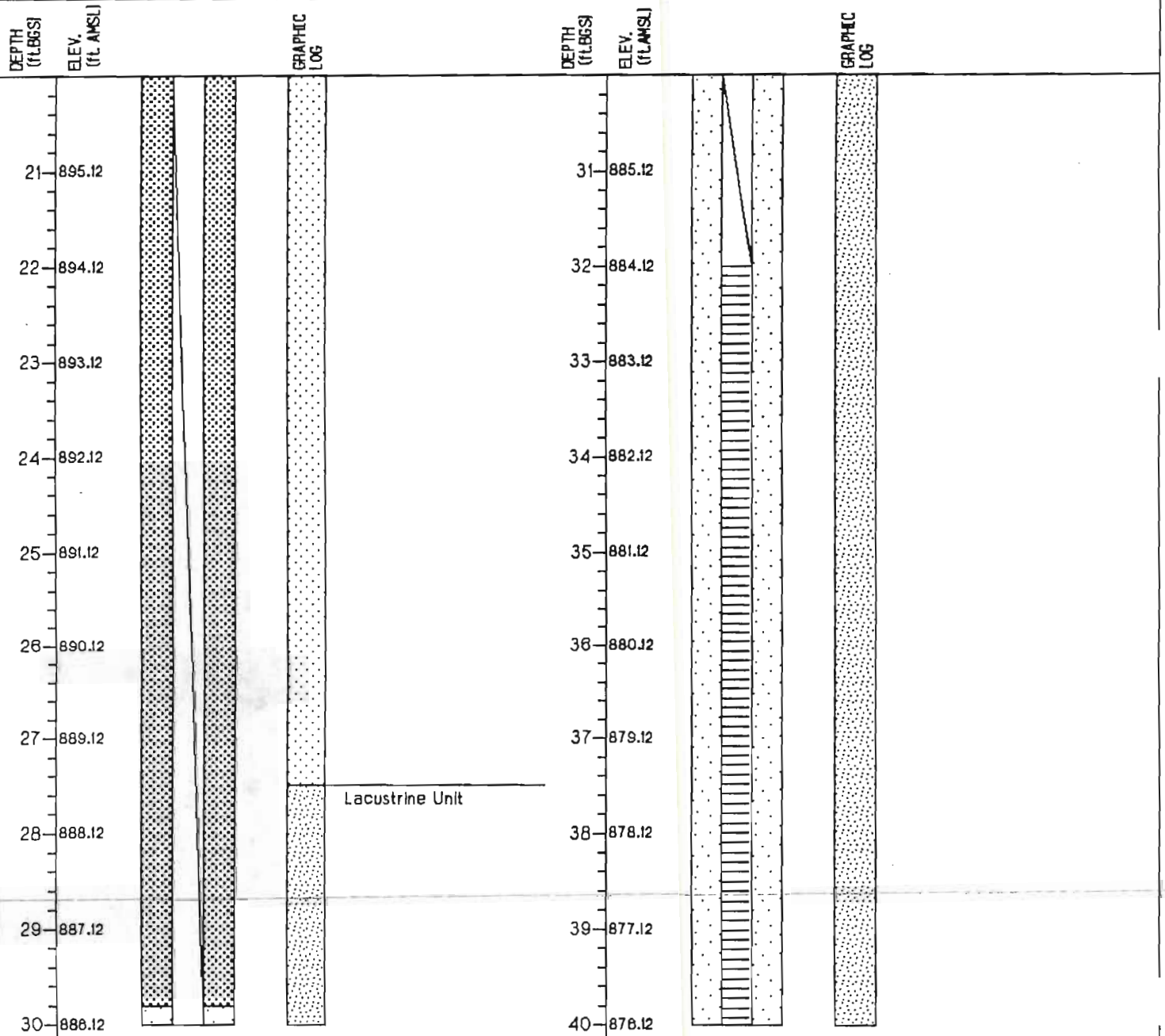
CLIENT: NYSDEC
 DRILLING DATES: 3/84
 DRILLING METHOD: 8.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 918.12ft.

SYMBOLS AND DEFINITIONS

-  BENTONITE-CEMENT SEAL
0 to 4.0 feet
-  BENTONITE SLURRY SEAL
4.0 to 29.8 feet
-  MORIE #00 SAND PACK
29.8 to 42.5 feet
-  2-INCH DIAMETER BLOTTED (0.006")SCREEN
32.0 to 42.0 feet
- 

-  4-INCH DIAMETER CASING
-  2-INCH DIAMETER RIBER
0 to 32.0 feet
-  8-INCH DIAMETER BOREHOLE
-  4-INCH DIAMETER BOREHOLE

 GRAPHIC LOG
refer to
BOREHOLE LOG MPI-4D
for a
complete
description



NOTES: 1. 0.7 ft. long by 8-in. diameter curb box extends to 0.5 ft. BGS.

WELL/BOREHOLE MPI-4I CONSTRUCTION DETAILS

PROJECT: MR. C CLEANERS
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

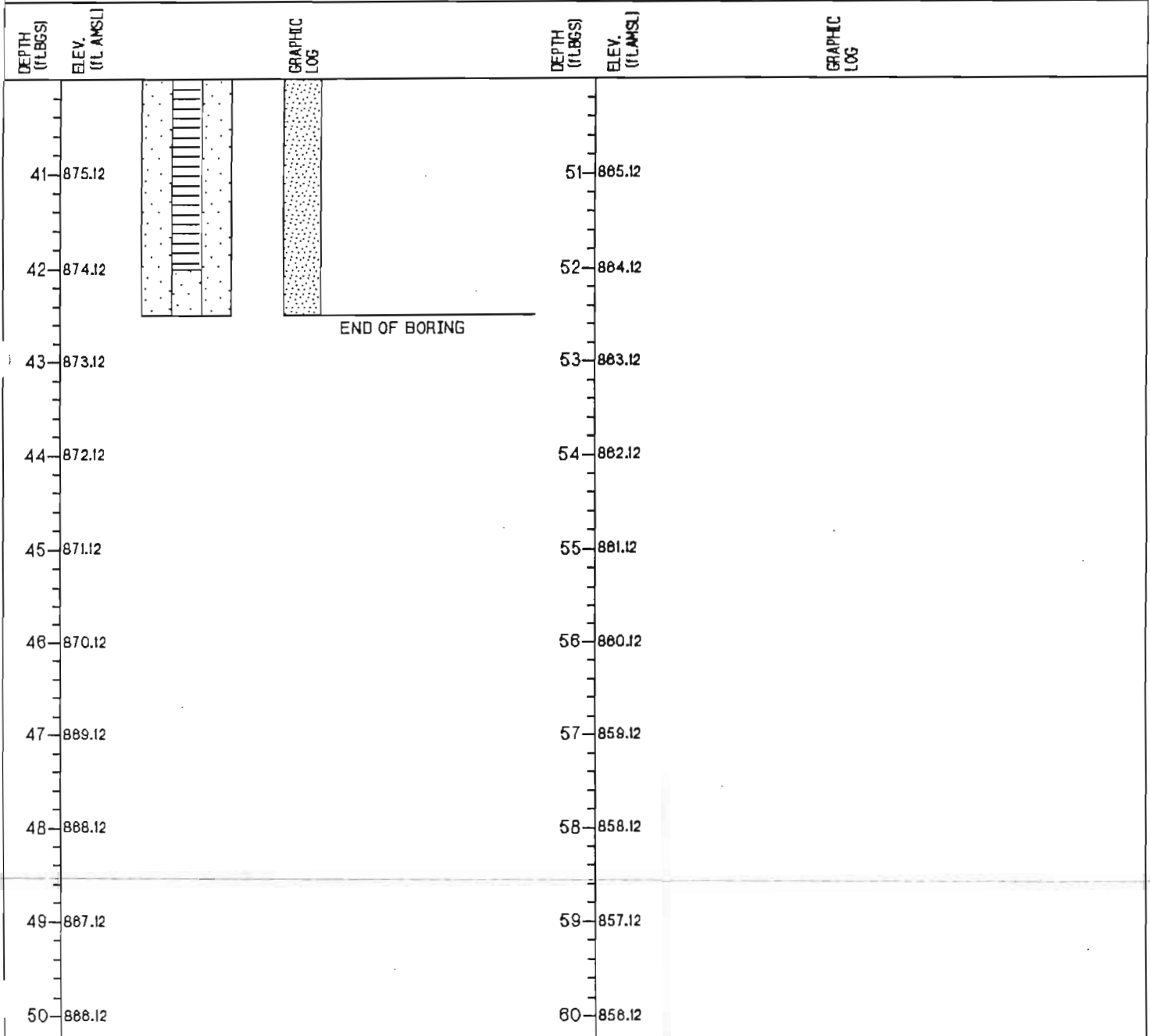
CLIENT: NYSDEC
 DRILLING DATES: 3/84
 DRILLING METHOD: 8.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 816.121t.

SYMBOLS AND DEFINITIONS

- BENTONITE-CEMENT BEAL
0 to 4.0 feet
- BENTONITE BLURRY BEAL
4.0 to 28.8 feet
- MORIE #00 SAND PACK
28.8 to 42.5 feet
- 2-INCH DIAMETER BLOTTED (0.006")SCREEN
32.0 to 42.0 feet

- 4-INCH DIAMETER CASING
- 2-INCH DIAMETER RISER
0 to 32.0 feet
- 8-INCH DIAMETER BOREHOLE
- 4-INCH DIAMETER BOREHOLE

GRAPHIC LOG
refer to
BOREHOLE LOG MPI-4D
for a
complete
description



NOTES: 1. 0.7 ft. long by 8-in. diameter curb box extends to 0.5 ft. BGS.

BOREHOLE LOG MPI-5D

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 02/23/84 - 2/25/84
 DRILLING METHOD: 4.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 818.49ft.

SYMBOLS AND DEFINITIONS

BB Split Spoon (2in.ID)
 BB3 Split Spoon (3in.ID)
 ST Shelby Tube (2.8in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAS Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)	
				SAMPLE NO. / RUN NO.	BLOWS / B"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.	% RGD.			
1	815.49	Drilled to 0.5', FILL Grayish Brown slightly moist GRAVEL, some sand, little silt, trace clay, GM		1 SS	18 33 21	1.8	48						JHS=0.3 ppm	
2	814.48	Brown slightly moist CLAYEY SILTY GRAVEL, 15-40% gravel, some sand and silt, trace clay, trace foundry sand, hard, GM		2 SS	17 25 20 22	1.7	45							JHS=0.5 ppm
3	813.49	TILL, Brown slightly moist CLAYEY SILT w/25-40% gravel, little fine-coarse sand, massive w/trace laminations, hard becoming stiff at 4.0', CL		3 SS	8 7 7 7	1.7	14							JHS=0.4 ppm
4	812.48			4 SS	8 7 3 2	0.8	10							JHS=0.8 ppm
5	811.48	STRATIFIED grayish brown moist GRAVELLY SAND, 40-80% mostly fine gravel, mostly coarse sand, loose, GP becoming compact at 10.0'		5 SS	4 3 8 8	0.8	8							JHS=0.8 ppm
6	810.48			6 SS	8 12 14 12	0.1	28							JHS=0.7 ppm
7	808.48			7 SS	5 4 5 6	1.3	8							JHS=2.2 ppm
8	808.48	Gray wet SAND, mostly medium-coarse sand, little fine, trace subangular and subround gravel, petroleum odor, loose, SP		8 SS	4 3 4 4	1.0	7							JHS=0.3 ppm
9	807.48			8 SS	3 3 4									JHS=0.3 ppm
10	806.48	Brown wet SAND, mostly fine, some very fine sand, loose, liquifies when disturbed, SP-SM		8 SS	4 5 5	1.8	8							JHS=0.3 ppm
11	805.48			8 SS	8 4 5 7	1.2	8							JHS=0.1 ppm
12	804.48	Brown wet mostly v.fine SAND, trace v.fine sand trace-little silt, liquifies when disturbed, loose, SP-SM		10 SS	4 5 7									JHS=0.3 ppm
13	803.48			10 SS										JHS=0.3 ppm
14	802.48	Brown wet SAND, trace-no silt, mostly medium sand, little fine, loose, SP												JHS=0.3 ppm
15	801.48													JHS=0.3 ppm
16	800.48												JHS=0.3 ppm	
17	888.48												JHS=0.3 ppm	
18	888.48												JHS=0.1 ppm	
19	887.48												JHS=0.1 ppm	
20	886.48												JHS=0.1 ppm	

BOREHOLE LOG MPI-5D

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0200-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 02/23/84 - 2/25/84
 DRILLING METHOD: 4.25-Inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 916.49ft.

SYMBOLS AND DEFINITIONS

86 Split Spoon (2in.ID)
 883 Split Spoon (3in.ID)
 BT Shelby Tube (2.8in.ID)
 WR Weight of Rock
 NR No Recovery
 - Sampler Refusal

JHB HNU reading in jar headspace
 GAB Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft. ANSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)
				SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.	% ROD.		
21	895.49			11 SS	3 3 4 5	1.0	7						JHS=0.2 ppm
22	894.49												JHS=0.1 ppm
23	893.49	STRATIFIED brown wet SILTY SAND, some silt, mostly very fine sand, compact, liquefies when disturbed, SM		12 SS	5 8 7 8	1.1	15						JHS=0.2 ppm
24	892.48	becoming loose at 24.0'											JHS=0.2 ppm
25	891.48			13 SS	5 4 5 7	1.0	9						JHS=0.2 ppm
26	890.48												JHS=0.2 ppm
27	888.48	Brownish gray wet SAND, trace-little silt, mostly fine sand, trace medium and very fine sand, compact, liquefies when disturbed, SM		14 SS	7 8 8 7	1.5	12						JHS=0.2 ppm
28	888.48												JHS=0.2 ppm
29	887.48	Brownish gray wet SAND, mostly very fine sand, little fine sand, trace to little silt, very dense, liquefies when disturbed, SM		15 SS	18 35 34	1.1	89						JHS=0.1 ppm
30	886.48	becoming compact at 30'											JHS=0.1 ppm
31	885.48			16 SS	5 5 8 8	1.1	11						JHS=0.1 ppm
32	884.48	becoming loose at 32'											JHS=0.1 ppm
33	883.48			17 SS	5 3 3 3	1.2	8						JHS=0.1 ppm
34	882.48												JHS=0.1 ppm
35	881.48			18 SS	3 4 5 8	1.1	9						JHS=0.1 ppm
36	880.48												JHS=0.1 ppm
37	878.48			19 SS	5 4 4 3	1.0	8						JHS=0 ppm
38	878.48												JHS=0 ppm
39	877.48			20 SS	4 3 4 5	1.1	7						JHS=0 ppm
40	876.48												JHS=0 ppm

BOREHOLE LOG MPI-5D

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 02/23/84 - 2/25/84
 DRILLING METHOD: 4.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 816.48ft.

SYMBOLS AND DEFINITIONS

BB Split Spoon (2in.ID)
 BB3 Split Spoon (3in.ID)
 BT Shelby Tube (2.8in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAB Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft. BGS)	ELEVATION (ft. AMSL)	SOIL/ROCK DESCRIPTION	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)
			GRAPHIC LOG	SAMPLE NO. / RUN NO.	BLOWS / 8" B	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.		
41	875.48	STRATIFIED brownish gray wet SAND, mostly very fine, little fine sand, trace-little silt, loose, liquifies when disturbed, SM		21 SS	WR	1.3	4					JHS=0.1 ppm
42	874.48				1							
43	873.48				3							
43	873.48	LAMINATED Gray wet CLAYEY SILT, little clay, mostly silt, little fine sand, firm, CL		22 SS	2	1.5	8					JHS=0 ppm
44	872.48				3							
45	871.48	Gray wet SILTY SAND, mostly fine sand, some silt, trace-little clay, very stiff, liquifies when disturbed, SM		23 SS	8	2.0	17					JHS=0.1 pi
46	870.48				8							
47	868.48				8							
47	868.48	Gray wet CLAYEY SILT, with fine sand partings, making Clayey Silt 1/8"-1" thick, mostly silt, little-some clay, firm, CL		24 SS	3	2.0	5					JHS=0 ppm
48	868.48				2							
49	867.48				3							
49	867.48	Brownish gray wet SAND, medium sand, loose, SP		25 SS	3	2.0	7					JHS=0 ppm
50	866.48				4							
51	865.48	Gray extremely moist SILTY CLAY, some silt, firm, CL, gray wet SILTY SAND at 54.0' and 55.5'		26 SS	1	2.0	8					JHS=0.1 ppm
52	864.48				3							
53	863.48				5							
53	863.48	Gray wet SAND, mostly medium, trace fine sand, loose, SP		27 SS	1	2.0	7					JHS=0.1 ppm
54	862.48				3							
55	861.48	Gray wet CLAYEY SILT, some clay, silt and sand partings .3' thick, stiff, CL		ST	4	2.0	-					JHS=0.1 ppm
56	860.48				4							
57	859.48				4							
57	859.48	Gray wet SAND, mostly medium, trace fine sand, loose, SP		28 SS	8	2.0	14					JHS=0.1 ppm
58	858.48				8							
58	858.48	Gray wet SAND, mostly medium, trace fine sand, loose, SP		29 SS	8	2.0	8					JHS=0.1 ppm
59	857.48				2							
60	856.48				3							
60	856.48	Gray extremely moist SILTY CLAY, some silt, stiff, CL		29 SS	5	2.0	8					JHS=0.1 ppm
60	856.48				8							

BOREHOLE LOG MPI-5D

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 02/23/84 - 2/25/84
 DRILLING METHOD: 4.25-Inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 818.49ft.

SYMBOLS AND DEFINITIONS

86 Spill Spoon (2In.ID)
 883 Spill Spoon (3In.ID)
 BT Shelby Tube (2.8In.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAB Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('M' %)

DEPTH (ft.BGS)	ELEVATION (ft ANSL)	SOIL/ROCK DESCRIPTION	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)	
			GRAPHIC LOG	SAMPLE NO. / RUN NO.	BLOWS / 8" B	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.			% RGD.
81	855.48	Gray extremely moist SILTY CLAY, some silt, stiff, CL		30 SS	2	2.0	12						JHS=0.1 ppm
82	854.48				4								
83	853.48	Boring complete at 84' with augers at 82', sampled to 84'. Grouted hole with cement bentonite grout at completion.		31 SS	WR	2.0	10						JHS=0.1 ppm
84	852.48				4								
85	851.48												
86	850.48												
87	848.48												
88	848.48												
89	847.48												
90	846.48												
91	845.48												
92	844.48												
93	843.48												
94	842.48												
95	841.48												
96	840.48												
97	838.48												
98	838.48												
99	837.48												
100	836.48												

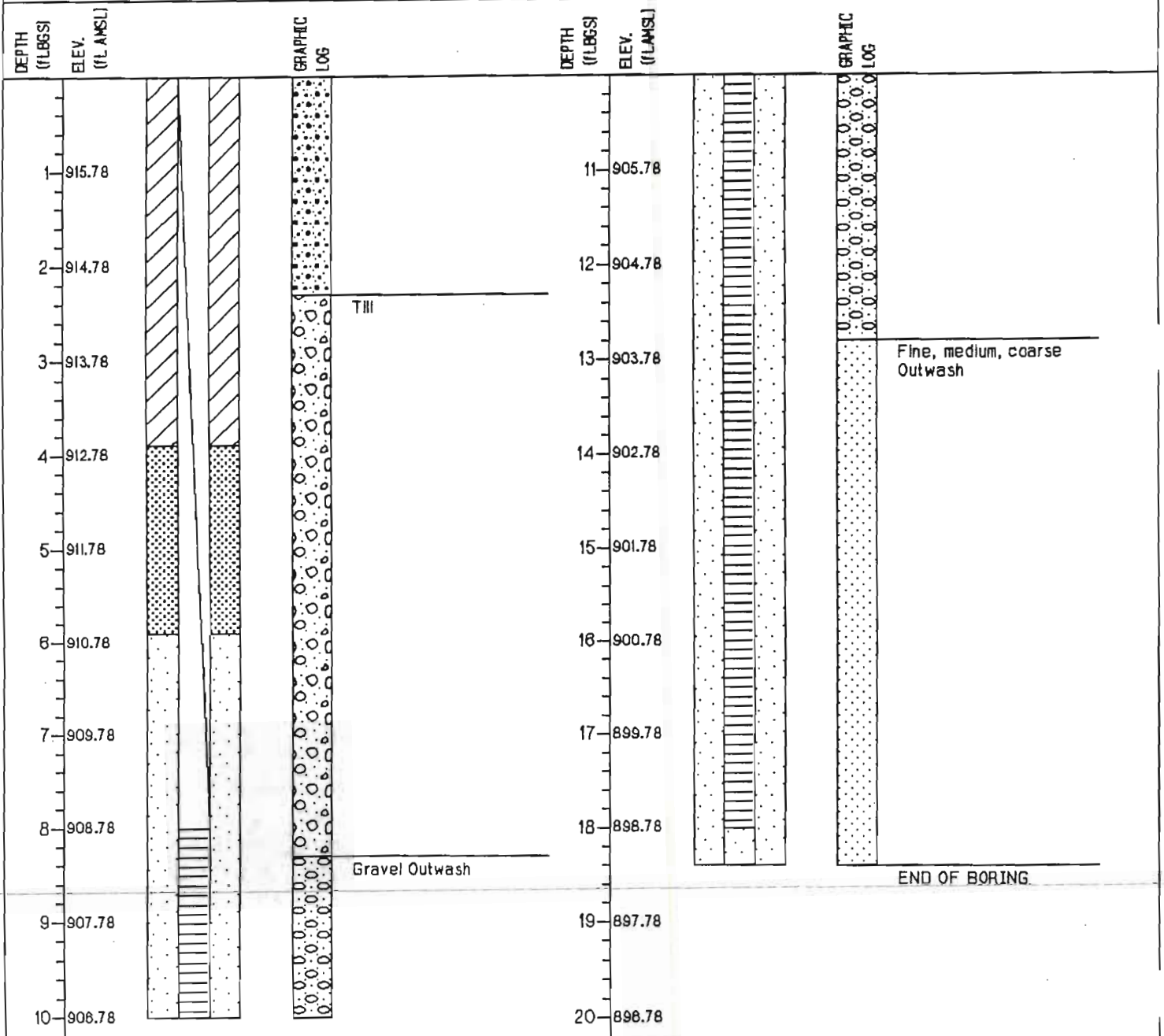
WELL/BOREHOLE MPI-5S CONSTRUCTION DETAILS

PROJECT: MR. C CLEANERS
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 3/84
 DRILLING METHOD: 8.25-Inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 816.78ft.

SYMBOLS AND DEFINITIONS

- | | | |
|--|--|---|
| <p> BENTONITE-CEMENT BEAL
0 to 3.9 feet</p> <p> BENTONITE PELLET BEAL
3.9 to 5.9 feet</p> <p> MORIE #0 SAND PACK
5.9 to 8.4 feet</p> <p> 2-INCH DIAMETER BLOTTED (0.01" SCREEN)
8.0 to 16.0 feet</p> | <p> 4-INCH DIAMETER CASING</p> <p> 2-INCH DIAMETER RIBER
0 to 6.0 feet</p> <p> 6-INCH DIAMETER BOREHOLE</p> <p> 4-INCH DIAMETER BOREHOLE</p> | <p> GRAPHIC LOG
refer to
BOREHOLE LOG MPI-5D
for a
complete
description</p> |
|--|--|---|



NOTES: 1. 0.7 ft. long by 8-in. diameter curb box extends to 0.7 ft. BGS.

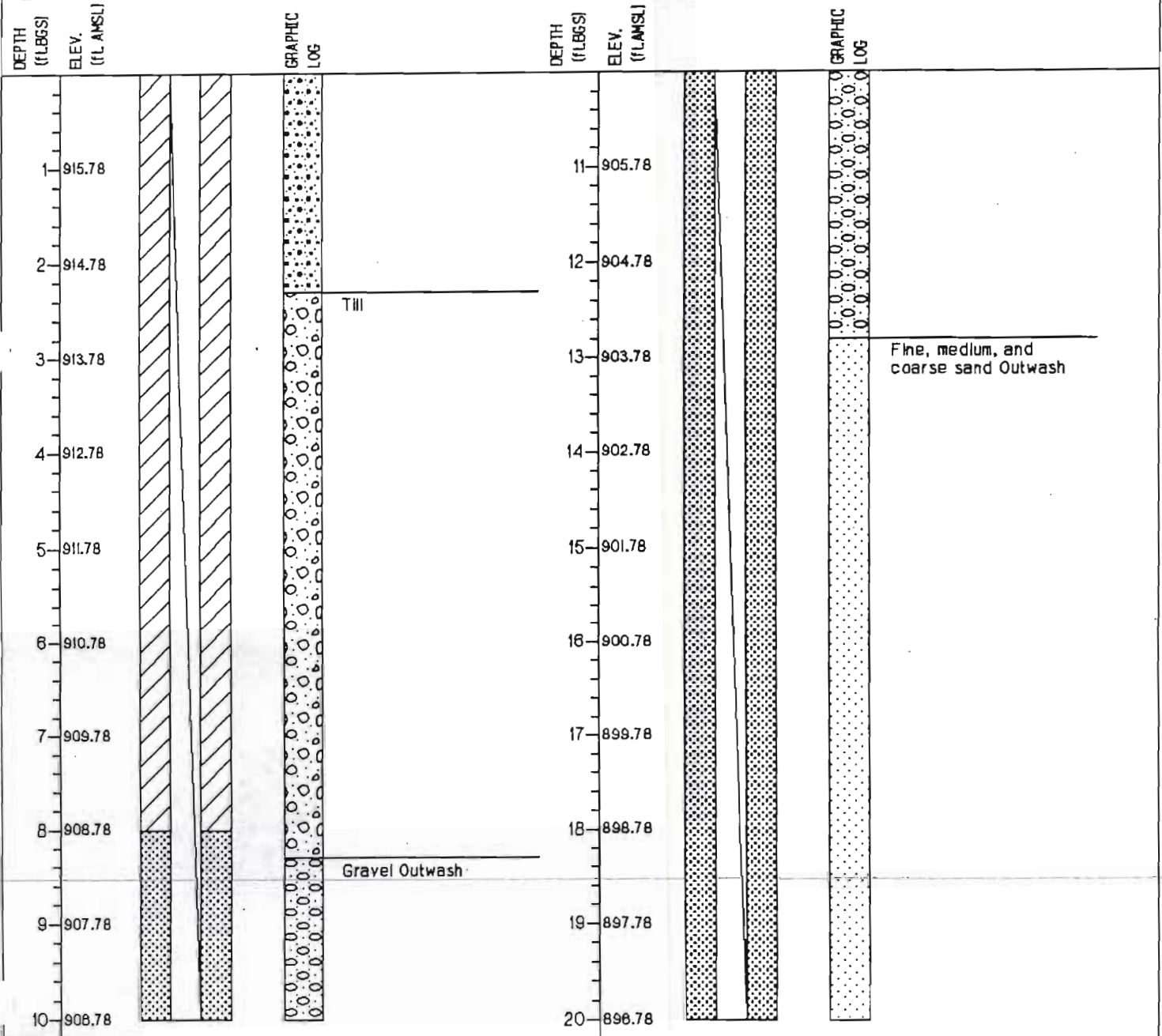
WELL/BOREHOLE MPI-5I CONSTRUCTION DETAILS

PROJECT: MR C CLEANERS
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 3/84
 DRILLING METHOD: 8.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 918.78ft.

SYMBOLS AND DEFINITIONS

- | | | |
|---|--|---|
| <p> BENTONITE-CEMENT BEAL
0 to 6.0 feet</p> <p> BENTONITE GUMMERY BEAL
6.0 to 30 feet</p> <p> MORSE #00 BAND PACK
30 to 42.5 feet</p> <p> 2-INCH DIAMETER BLOTTED (0.005") SCREEN
32.0 to 42.0 feet</p> | <p> 4-INCH DIAMETER CASING
0 feet</p> <p> 2-INCH DIAMETER RIBER
0 to 32.0 Feet</p> <p> 8-INCH DIAMETER BOREHOLE
0 feet</p> <p> 4-INCH DIAMETER BOREHOLE
0 feet</p> | <p> GRAPHIC LOG
refer to
BOREHOLE LOG MPI-5D
for a
complete
description</p> |
|---|--|---|








NOTES: 1. 0.7 FT. long by 8-in. diameter curb box extends to 0.5 ft. BGS.





WELL/BOREHOLE MPI-5I CONSTRUCTION DETAILS


PROJECT: MR C CLEANERS
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

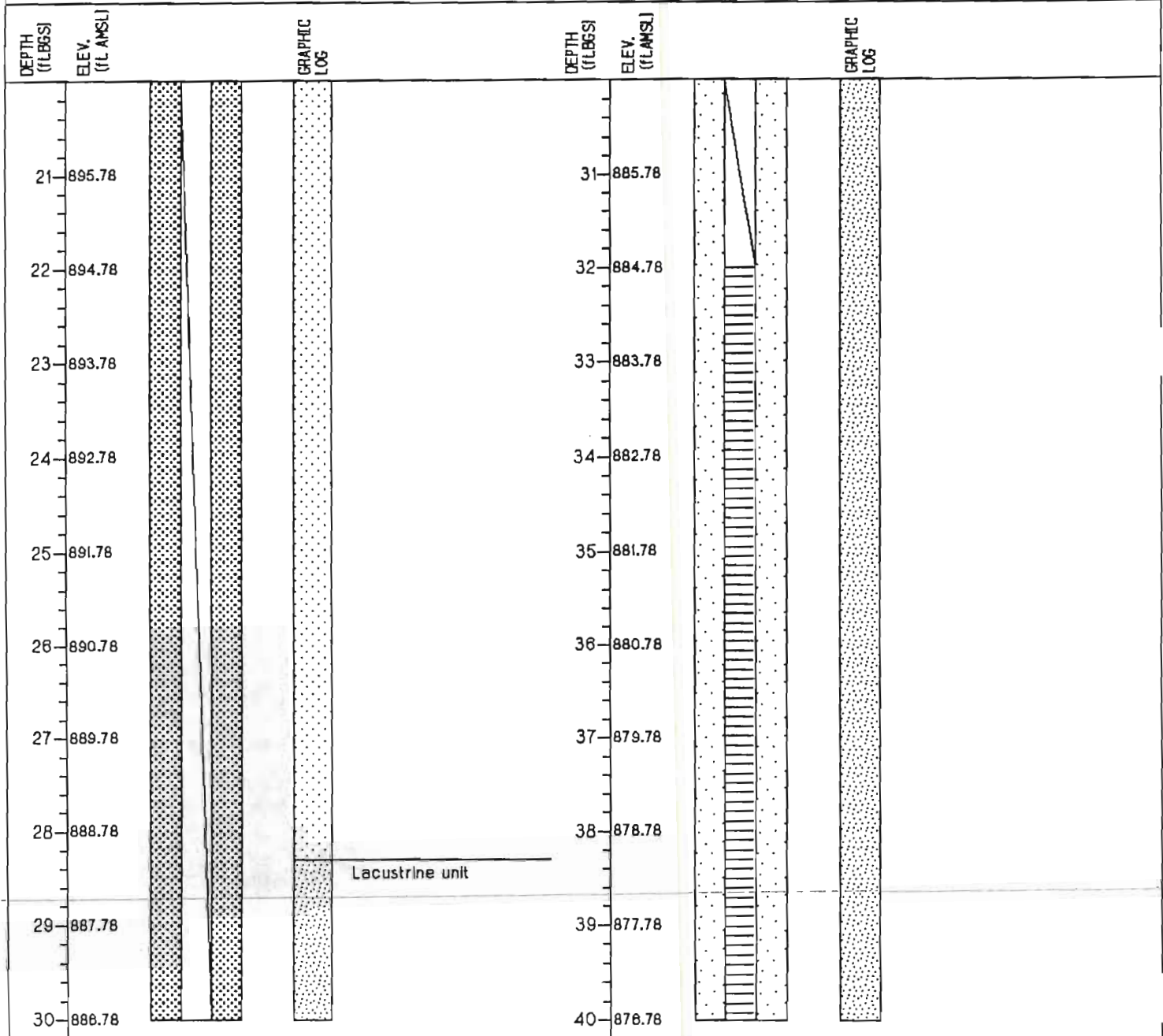
CLIENT: NYSDEC
 DRILLING DATES: 3/94
 DRILLING METHOD: 6.25-Inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 916.78ft.

SYMBOLS AND DEFINITIONS

-  BENTONITE-CEMENT SEAL
0 to 6.0 feet
-  BENTONITE SLURRY SEAL
6.0 to 30 feet
-  MORIE #00 SAND PACK
30 to 42.5 feet
-  2-INCH DIAMETER BLOTTED (0.006")BCREEN
32.0 to 42.0 feet
- 

-  4-INCH DIAMETER CASING
0 feet
-  2-INCH DIAMETER RISER
0 to 32.0 Feet
-  6-INCH DIAMETER BOREHOLE
0 feet
-  4-INCH DIAMETER BOREHOLE
0 feet

 GRAPHIC LOG
refer to
BOREHOLE LOG MPI-5D
for a
complete
description



NOTES: 1. 0.7 FT. long by 6-in. diameter curb box extends to 0.5 ft. BGS.

WELL/BOREHOLE MPI-5I CONSTRUCTION DETAILS

PROJECT: MR C CLEANERS
 PROJECT NO.: 0200-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

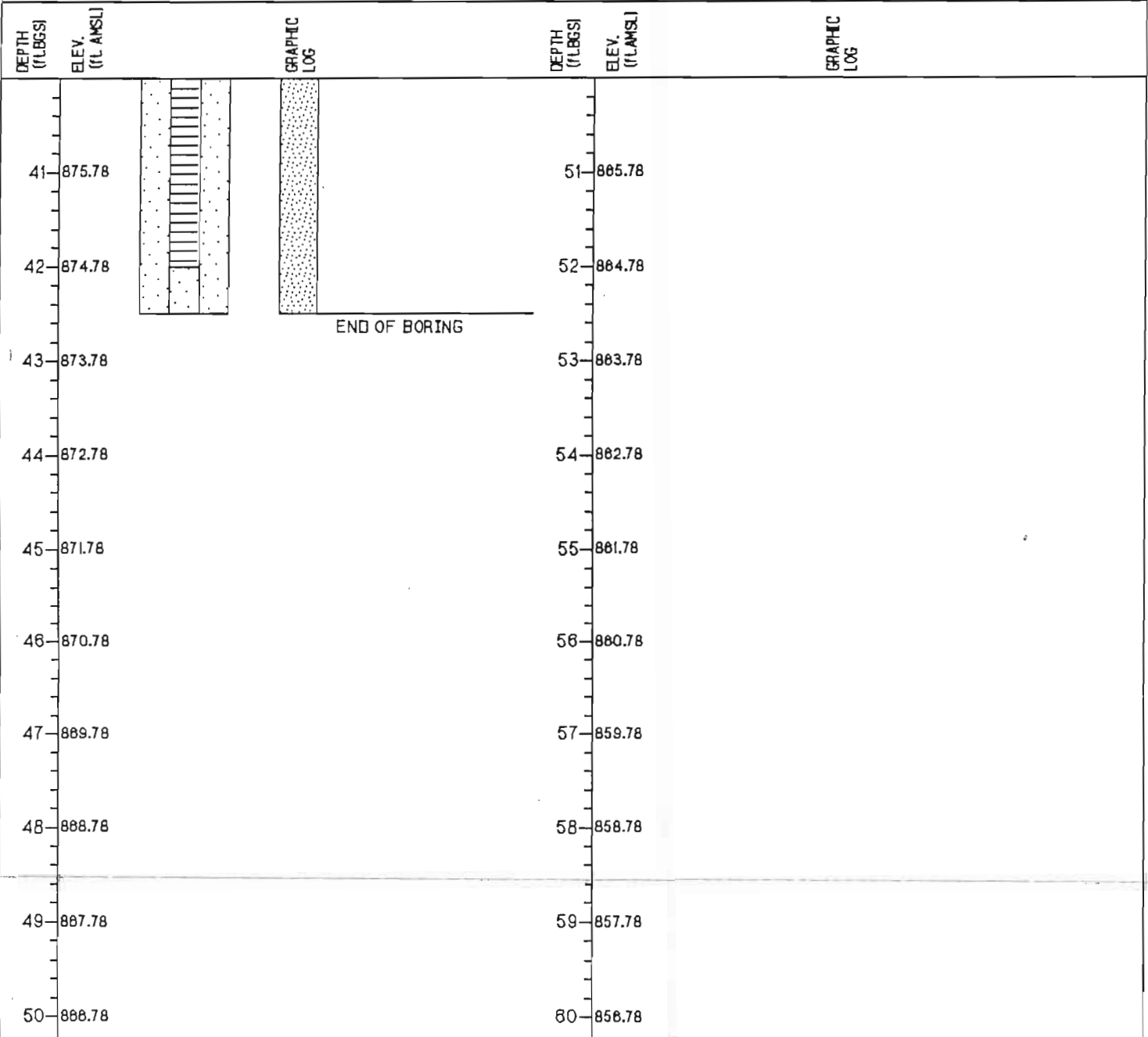
CLIENT: NYSDEC
 DRILLING DATES: 3/04
 DRILLING METHOD: 6.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 816.78ft.

SYMBOLS AND DEFINITIONS

- BENTONITE-CEMENT BEAL
0 to 6.0 feet
- BENTONITE BLURRY BEAL
6.0 to 30 feet
- MORIE #00 SAND PACK
30 to 42.6 feet
- 2-INCH DIAMETER BLOTTED (0.008" ICSREEN
32.0 to 42.0 feet

- 4-INCH DIAMETER CASING
0 feet
- 2-INCH DIAMETER RISER
0 to 32.0 Feet
- 6-INCH DIAMETER BOREHOLE
0 feet
- 4-INCH DIAMETER BOREHOLE
0 feet

GRAPHIC LOG
refer to
BOREHOLE LOG MPI-5D
for a
complete
description



NOTES: 1. 0.7 FT. long by 6-in. diameter curb box extends to 0.5 ft. BGS.

BOREHOLE LOG MPI-6S

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 03/10/84
 DRILLING METHOD: 6.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 815.35ft.

SYMBOLS AND DEFINITIONS

BB Split Spoon (2in.ID)
 BB3 Split Spoon (3in.ID)
 ST Shelby Tube (2.8in.ID)
 WR Weight of Rock
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAB Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('M' %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)
				SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.	% RGD.		
1	814.35	FILL olive gray moist SANDY GRAVEL, some sand, 40-80% gravel, mostly angular, little silt, compact, GM		1 SS	12 8 8 4	1.5	14						JHS=0.4 ppm
2	813.35	Black moist SILTY SAND, little silt, trace gravel, little organic matter, compact, SM			4								JHS=0.3 ppm
3	812.35	Dark brown moist CLAYEY SILT, little clay & gravel, trace roots, stiff, CL		2 SS	8 4 4	1.3	10						JHS=0.2 ppm
4	811.35	Brown moist SILTY SAND, some fine sand, trace v. fine, medium & coarse sand, trace gravel, loose, SM			8 21 11 14	0.8	32						JHS=0.2 ppm
5	810.35	TILL, brown moist CLAYEY SILT, little clay & sand, trace gravel & roots, root channels filled w/gray clay, hard, CL			3 5 4 8	0.5	8						JHS=0.2 p
6	809.35	STRATIFIED Brown ext moist to wet SILTY GRAVEL, some silt, little sand, mostly angular fine gravel, trace clay, loose, GM		4 SS	4 7 8 7	0.7	15						JHS=0.3 ppm
7	808.35	becoming wet at 8.0'											
8	807.35	LAMINATED, Brown moist SILTY SAND, some sand & silt, mostly fine sand, compact, SM		5 SS	3 4 3 8	1.0	7						JHS=0.2 ppm
9	806.35	LAMINATED Brown moist SANDY SILT, w/clayey silt interbeds ~1" thick, sandy silt layers w/little clay, firm, loose, SM		6 SS	8 7 13 10	1.0	20						JHS=0.3 ppm
10	805.35	STRATIFIED Brownish gray wet medium SAND, little fine sand, little fine angular shale gravel, compact, SP		7 SS	3 5 7 11	1.2	12						JHS=1.8 ppm
11	804.35	Grayish brown wet SAND, mostly coarse, some medium sand, trace silt, little subangular and subrounded gravel, compact, SP		8 SS	3 8 13 18	1.1	21						JHS=13.4 ppm
12	803.35												
13	802.35	Brown ext. moist SANDY SILT, w/fine, medium, & coarse sand, little-some silt, trace fine gravel, compact, SM		9 SS	1 3 8 7	1.1	8						JHS=0.2 ppm
14	801.35	Gray wet SILTY SAND, little silt, mostly fine sand, little very fine sand, liquefies when disturbed, loose, SM		10 SS									
15	800.35												
16	898.35												
17	898.35												
18	897.35												
19	896.35												
20	895.35												

BOREHOLE LOG MPI-6S

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 03/10/84
 DRILLING METHOD: 8.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 815.35ft.

SYMBOLS AND DEFINITIONS

BB Split Spoon (2in.ID)
 BB3 Split Spoon (3in.ID)
 ST Shelby Tube (2.6in.ID)
 WR Weight of Rocks
 NR No Recovery
 - Sampler Refusal

JHB HNU reading in jar headspace
 GAB Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft ANSL)	SOIL/ROCK DESCRIPTION	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)		
			GRAPHIC LOG	SAMPLE NO. / RUN NO.	BLOWS / 6" 5	RECOVERY (in)	N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.			% RGD.	
21	884.35	Gray wet SILTY SAND, little silt, mostly fine sand, little very fine sand, liquifies when disturbed, loose, SM	[Dotted Pattern]	11 SS	1 2 5 5	1.0	7						JHS=112 ppm	
22	883.35													JHS=0.3 ppm
23	882.35			12 SS	1 2 6 7	1.0	8							
24	881.35	----- Sampled to 24', with augers at 23'. Set Well												
25	880.35													
26	888.35													
27	888.35													
28	887.35													
29	888.35													
30	885.35													
31	884.35													
32	883.35													
33	882.35													
34	881.35													
35	880.35													
36	878.35													
37	878.35													
38	877.35													
39	878.35													
40	875.35													

BOREHOLE LOG MPI-7D

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 02/28/94
 DRILLING METHOD: 4.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 918.87ft.

SYMBOLS AND DEFINITIONS

SS Split Spoon (2in.ID)
 SSS Split Spoon (3in.ID)
 BT Shelby Tube (2.8in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAS Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('M' %)

DEPTH (ft.BGS)	ELEVATION (ft ANSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)
				SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.	% RGD.		
1	915.87	Augered to 1.0' through pavement and hard fill		1 SS	18 22	1.0	>18						JHS=3.5 ppm
2	914.87	FILL Brown frozen becoming moist to 2.2', CLAYEY SILT, with little sand and silt, w/10-25% subangular, subrounded and angular gravel, hard, CL becoming very stiff at 2.0'		2 SS	8 10 10	1.2	20						JHS=7.0 ppm
3	913.87			3 SS	43 18 12 11	0.2	28						JHS=4.2 ppm
4	912.87			4 SS	2 2 2	0.2	4						JHS=18.2
5	911.87	Brown moist CLAYEY SILTY GRAVEL, some sand, 40-80% gravel, trace brick remnants, loose, GM		5 SS	3 5 4 4	0.2	8						JHS=2.9 ppm
6	910.87			6 SS	8 8 10 12	1.0	18						JHS=18.8 ppm
7	909.87			7 SS	5 8 7 5	0.8	13						JHS=9.5 ppm
8	908.87			8 SS	4 3 2 4	0.7	5						JHS=1.2 ppm
9	907.87	Brown wet SILTY GRAVEL, mostly subangular and subrounded gravel, mostly 1/8-1/4" (some 1/2") gravel, little silt, some sand, compact, loose when disturbed, GM		8 SS	4 8 8 8	0.9	14						JHS=0.8 ppm
10	906.87			10 SS	8 8 4 8	0.3	10						JHS=3.4 ppm
11	905.87	becoming loose at 14.0'											
12	904.87	becoming compact at 18.0'											
13	903.87	STRATIFIED Brown moist SILTY SAND, some silt, 25-40% gravel, mostly subangular gravel, compact, SM											
14	902.87	Brown wet SILTY GRAVEL, with little sand, little silt, compact, loose when disturbed, GM											
15	901.87												
16	900.87												
17	899.87												
18	898.87												
19	897.87												
20	896.87												

BOREHOLE LOG MPI-7D

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 02/28/84
 DRILLING METHOD: 4.25-Inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 818.87ft.

SYMBOLS AND DEFINITIONS

BB 8pin Spoon (2in.ID)
 BB3 8pin Spoon (3in.ID)
 BT Shelby Tube (2.8in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHG HNU reading in jar headspace
 GAB Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA			WELL DIAGRAM	COMMENTS (USCS)		
				SAMPLE NO. / RUN NO.	BLOWS / 8" B	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.			% RQD.	
21	885.87	STRATIFIED brown wet SILTY GRAVEL, with some medium and coarse sand, 40-80% gravel, little silt, compact, loose when disturbed, GM		11 SS	4 8 8 7	0.8	14					JHS=1.8 ppm		
22	884.87				12 SS	12 8 8	0.5	21					JHS=2.0 ppm	
23	883.87			occasional sandstone cobble		13 SS	13 8 8 8	0.8	17					JHS=0.9 ppm
24	882.87					14 SS	7 5 5 5	1.1	10					JHS=0.2 ppm
25	881.87	Brown wet SAND, mostly fine, little medium sand, trace-no silt, compact, loose when disturbed, SP		15 SS	8 5 8 8	1.3	13					JHS=0.1 ppm		
26	880.87				16 SS	7 8 7 7	0.3	16					JHS=0.2 ppm	
27	889.87	Gray wet SAND, mostly fine, little medium sand, compact, loose when disturbed, SP		17 SS	3 3 3 4	2.0	8					JHS=0.1 ppm		
28	888.87				18 SS	4 3 3 3	2.0	8					JHS=0.1 ppm	
29	887.87	Gray wet SILTY SAND, with little silt, mostly fine sand, compact, liquifies when disturbed, SM		19 SS	3 3 4 5	2.0	7					JHS=0.3 ppm		
30	886.87				20 SS	3 2 3 5	2.0	5					JHS=0.1 ppm	
31	885.87	becoming loose at 32.0'												
32	884.87													
33	883.87													
34	882.87													
35	881.87													
36	880.87													
37	879.87													
38	878.87	Gray wet SAND, mostly fine, trace very fine sand, loose, liquifies when disturbed, SP												
39	877.87													
40	876.87	Gray wet SILTY SAND, some silt, mostly very fine sand, loose, liquifies when disturbed, SM												

BOREHOLE LOG MPI-7D

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 02/28/84
 DRILLING METHOD: 4.25-Inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 818.87ft.

SYMBOLS AND DEFINITIONS

88 8pt Spoon (2in.ID)
 883 8pt Spoon (3in.ID)
 87 Shelby Tube (2.8in.ID)
 WR Weight of Rock
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAB Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('M' %)


DEPTH (ft.BGS)	ELEVATION (ft ANSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)	
				SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (ft)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.	% RGD.			
41	875.87	LAMINATED Gray wet CLAYEY SILT, with little-some clay, CL, alternating with SILTY SAND, with little-some silt, SM, each layer ~1/4" thick, firm		21	3	2.0	5						JHS=0.2 ppm	
42	874.87				2								JHS=0.1 ppm	
43	873.87			22	3									
44	872.87				3									
45	871.87	Gray wet SILTY SAND, some silt, mostly very fine sand, loose, liquifies when disturbed, SM		23	1	2.0	5						JHS=0.1 ppm	
46	870.87	Gray wet CLAYEY SILT, with little-some clay, CL alternating with SILTY SAND, with little-some silt, clay layer ~1/3" thick			2									JHS=0
47	868.87	Interbedded, SM sand layer 1/8-1/16" thick, firm		24	4	2.0	8						JHS=0.1 ppm	
48	868.87	thicker Clayey Silt lenses ~1" thick one thicker Sand lense ~1" thick			4									
49	867.87	Gray wet SAND, mostly medium sand, trace fine, loose, liquifies when disturbed, SP-SM			5									
50	866.87	Gray extremely moist SANDY SILT, with thin layers of clayey sandy silt ~1/8" thick, loose, SM		25	3	2.0	9						JHS=0.1 ppm	
51	865.87							4						
52	864.87							5						
53	863.87	Gray extremely moist SILTY CLAY, with some silt, occasional very thin sand lenses, stiff, CL		27	3	2.0	12						JHS=0.1 ppm	
54	862.87	Gray wet SAND, mostly fine, trace medium, little very fine sand, compact, SP			6									
55	861.87	Gray alternating layers of extremely moist SILTY SAND and SANDY SILT, with thin clay layers ~1/8" thick, stiff, SM and ML		28	4	2.0	11						JHS=0.1 ppm	
56	860.87							5						
57	859.87							8						
58	858.87	Gray extremely moist SILTY CLAY, with some silt, stiff, CL		29	3	2.0	10							
59	857.87				4									
60	856.87	Boring complete at 60' with augers at 58'. Grouted hole with cement/bentonite grout at completion.		8										
				ST										


WELL/BOREHOLE MPI-7I CONSTRUCTION DETAILS


PROJECT: MR C CLEANERS
 PROJECT NO.: 0200-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 3/84
 DRILLING METHOD: 8.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 916.42ft.


SYMBOLS AND DEFINITIONS


 BENTONITE-CEMENT SEAL
0 to 5.3 feet


 BENTONITE BLURRY SEAL
5.3 to 27.1 feet

 MORE #00 SAND PACK
27.1 to 40 feet


 2-INCH DIAMETER BLOTTED (0.005")SCREEN
32.0 to 42.0 feet

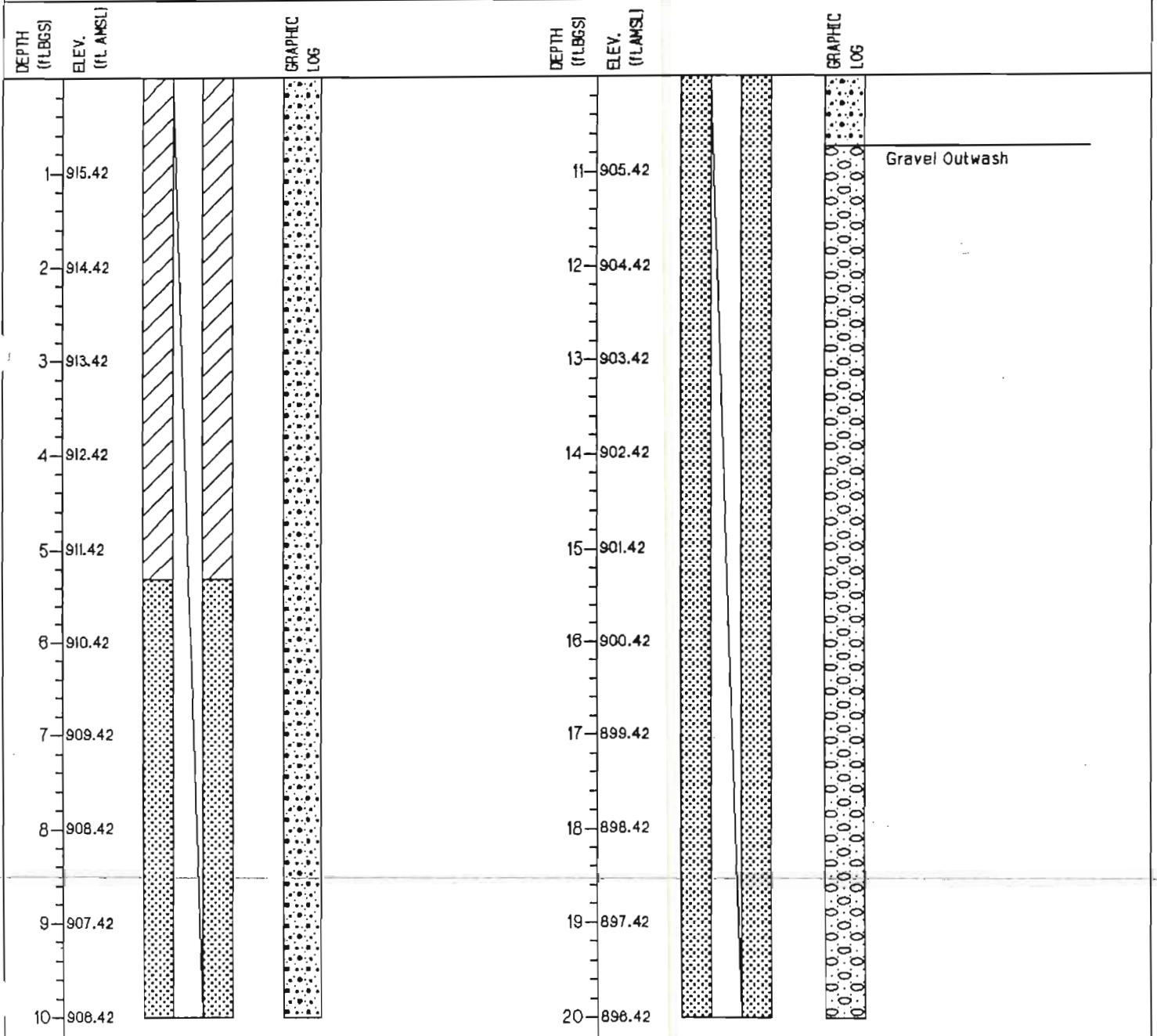
 4-INCH DIAMETER CASING
0 feet

 2-INCH DIAMETER RISER
0 to 20.6 Feet

 6-INCH DIAMETER BOREHOLE
0 feet

 4-INCH DIAMETER BOREHOLE
0 feet

 GRAPHIC LOG
refer to
BOREHOLE LOG MPI-7D
for a
complete
description







NOTES: 1. 0.7 FT. long by 6-in. diameter curb box extends to 0.5 ft. BGS.





WELL/BOREHOLE MPI-7I CONSTRUCTION DETAILS


PROJECT: MR C CLEANERS
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

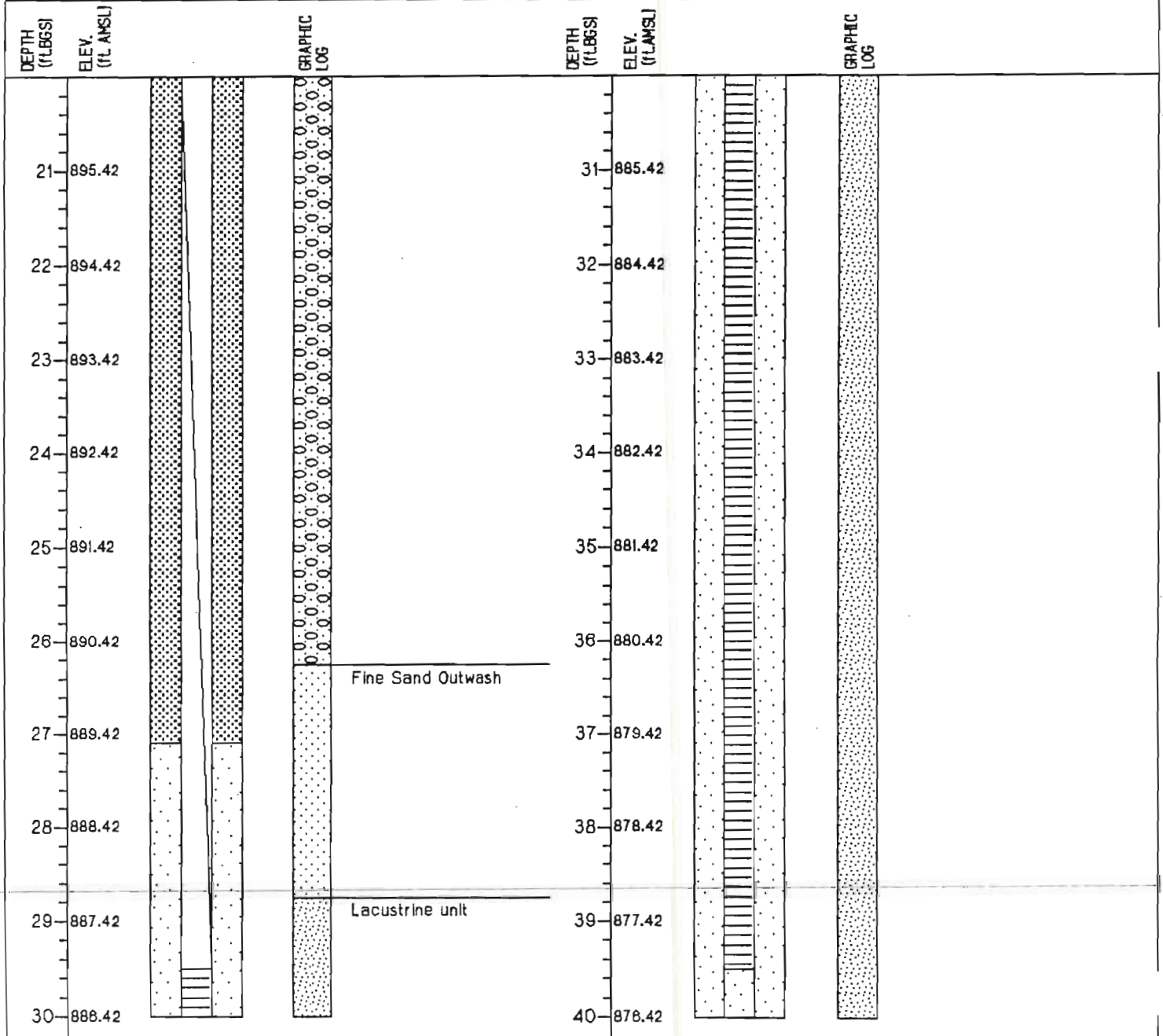
CLIENT: NYSDEC
 DRILLING DATES: 3/84
 DRILLING METHOD: 6.25-inch ID HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 918.42ft.

SYMBOLS AND DEFINITIONS

-  BENTONITE-CEMENT SEAL
0 to 5.3 feet
-  BENTONITE BLURRY SEAL
5.3 to 27.1 feet
-  MORIE #00 SAND PACK
27.1 to 40 feet
-  2-INCH DIAMETER BLOTTED (0.006") SCREEN
32.0 to 42.0 feet

-  4-INCH DIAMETER CASING
0 feet
-  2-INCH DIAMETER RISER
0 to 29.6 Feet
-  8-INCH DIAMETER BOREHOLE
0 feet
-  4-INCH DIAMETER BOREHOLE
0 feet

 GRAPHIC LOG
refer to
BOREHOLE LOG MPI-7D
for a
complete
description



NOTES: 1. 0.7 FT. long by 8-in. diameter curb box extends to 0.5 ft. BGS.

BOREHOLE LOG MPI-8S

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 03/21/84
 DRILLING METHOD: 6.25-inch ID HSA
 LOGGED/CHECKED BY: JPH/RHO
 SURFACE ELEVATION: 915.01ft.

SYMBOLS AND DEFINITIONS

BB Split Spoon (2in.ID)
 BS3 Split Spoon (3in.ID)
 BT Shelby Tube (2.8in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAS Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('M' %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA			WELL DIAGRAM	COMMENTS (USCS)
				SAMPLE NO. / RUN NO.	BLOWS / B"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.		
1	914.01	Augered 1' through asphalt, pavement, and concrete		1 SS	4	0.7						JHS=0.6 ppm
2	913.01	FILL dark brown moist CLAY and SILT, little coarse sand and fine gravel, CL			4							JHS=1.3 ppm
3	912.01	Brownish yellow moist SAND, fine-medium sand, trace-little fine gravel, compact, SP		2 SS	3 3 10	0.8	13					JHS=0.7 ppm
4	911.01	Moderate-dark brown moist GRAVELLY SILT, little-some subround gravel (shale) to 3/4" diameter, trace-little sand, trace clay, few Brick fragments, compact, GM		3 SS	8 10 12	0.5	22					JHS=1.1 ppm
5	910.01	TILL, SILTY SANDY GRAVEL, to 3/4" diameter, little-some brown-orange silt and fine-medium sand. compact, GM		4 SS	8 8 14	0.8	18					JHS=5.6 ppm
6	908.01	Dark gray moist SANDY GRAVEL, with trace silt and some medium to coarse sand, fine gravel to 3/4" dia., loose when disturbed, compact, GW-GM		5 SS	3 4 4	1.2	8					JHS=2.2 ppm
7	908.01	SILT light brown, bedded laminae, trace sand, moist, stiff		6 SS	4 4 4	1.1	8					JHS=0.4 ppm
8	907.01	GRAVEL, to 1/4" diameter, little fine-medium sand, trace-little silt, loose, GM		7 SS	3 3 5	1.4	8					JHS=3.4 ppm
9	906.01	Wet SILTY SAND, w/little silt, heavily stained iron/siderite contact with laminae very fine-medium sand, liquifies when disturbed, loose, SM		8 SS	2 4 5	1.1	8					JHS=3.2 ppm
10	905.01	Dark gray wet SAND, mostly medium, fine-course sand, well drained, loose, w/very fine grained laminae as bedding fabric, loose, SP		9 SS	2 3 3	1.0	8					JHS=8.2 ppm
11	904.01	Dark gray wet SAND, very fine-fine sand, trace silt as thin laminated bedding fabric, loose, SM		10 SS	1 2 5	1.1	7					
12	903.01				5							
13	902.01				5							
14	901.01				5							
15	900.01				5							
16	899.01				5							
17	898.01				5							
18	897.01				5							
19	896.01				5							
20	895.01	Boring complete at 20'. Set well										

BOREHOLE LOG MPI-9S

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: O288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM: NEW YORK STATE SURVEY GRID

CLIENT: NYSDEC
 DRILLING DATES: 03/23/94
 DRILLING METHOD: 8.25-Inch ID HSA
 LOGGED/CHECKED BY: JPH/RHO
 SURFACE ELEVATION: 815.24ft.

SYMBOLS AND DEFINITIONS

BS Split Spoon (2in.ID)
 BS3 Split Spoon (3in.ID)
 ST Shelby Tube (2.8in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHS HHU reading in jar headspace
 GAS Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)
			GRAPHIC LOG	SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.		
1	814.24	Advanced augers through asphalt and concrete to 1' prior to sampling		1 SS	3	1.0						JHS=0.2 ppm
2	813.24	Dark brown moist SILTY SAND, w/fine, medium, coarse sand, little silt, little-some shale clasts as gravel, trace clay, SM			4							JHS=0.7 ppm
3	812.24	Light gray-brown moist SANDY SILT, fine, medium, and coarse sand, some silt, little-some subangular gravel to 1/2" diameter as Shale clasts, SM		2 SS	2 3 4	0.5	5					JHS=0.9 ppm
4	811.24	Brown moist SILTY SAND, little silt, medium-course sand, little subround gravel to 1/2" diameter, loose w/cobbles >3", SP-SM		3 SS	3 8 8 8	0.7	18					JHS=0.4 ppm
5	810.24	GRAVEL and SAND with Cobbles >3"		4 SS	12 8 7 8	0.2	18					JHS=1.2 ppm
6	809.24	Brown wet SANDY GRAVEL, subround fine gravel w/ shale clasts to 3/4", medium-course sand, trace silt, loose when disturbed, compact, GP-GM		5 SS	3 5 8 5	1.1	11					JHS=1.0 ppm
7	808.24	Wet GRAVEL and SAND, loose when disturbed		6 SS	2 8 7 7	1.2	13					JHS=0.8 ppm
8	807.24	Light orange to brown wet SANDY SILT, little-some gravel, trace clay, grading to course gray sand at 13.1'		7 SS	18 14 8 4	1.3	23					JHS=1.8 ppm
9	806.24	Grayish brown wet SAND, mostly medium, trace coarse, some bedding fabric as sorted laminae, loose, SP		8 SS	4 3 4 5	1.8	7					JHS=1.8 ppm
10	805.24	Gray wet SAND, mostly medium, trace coarse, loose, SP			1							JHS=1.8 ppm
11	804.24	Gray wet SAND, mostly medium, trace coarse, fine subrounded gravel to 1/2" diameter, loose, SP		8 SS	3 8 7	1.3	8					JHS=1.8 ppm
12	803.24	Grayish brown wet SAND, mostly medium, trace coarse, subrounded gravel to 1/2" dia., unsorted, loose, SP			WH							JHS=1.8 ppm
13	802.24	Grayish brown wet SAND, mostly medium, trace coarse, subrounded gravel to 1/2" dia., unsorted, loose, SP		10 SS	2 2 5	1.1	4					
14	801.24											
15	800.24											
16	898.24											
17	898.24											
18	897.24											
19	898.24											
20	895.24	Boring complete at 20'. Set well										

BOREHOLE LOG MPI-10B

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0206-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM:

CLIENT: NYSDEC
 DRILLING DATES: 12/22/84 - 12/23/84
 DRILLING METHOD: 6-1/4" HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 816.07ft.FT. ABOVE NGVD

SYMBOLS AND DEFINITIONS

86 Split Spoon (2in.ID)
 863 Split Spoon (3in.ID)
 ST Shelby Tube (2.8in.ID)
 WR Weight of Rock
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAS Combustible Gas reading in auger

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft ANSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA			WELL DIAGRAM	COMMENTS (USCS)	
				SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.			% RGD.
1	815.07	FILL, gray and brown moist SAND AND GRAVEL, loose when disturbed, firm, GP		1 SS	7 8 4 12	0.8	13					JHS=0.2 ppm	
2	814.07	Brown CLAYEY SILTY GRAVEL, firm becoming loose @ 4', GC-GM		2 SS	15	1.2	21						JHS=0.2 ppm
3	813.07				12								
4	812.07	Brown moist GRAVELLY CLAYEY SILT, some fine - coarse sand, little silt, little clay, little gravel, loose, CL		3 SS	2	0.5	8						JHS=0.9 ppm
5	811.07				3								
6	810.07				3								
7	809.07	Brown moist SANDY CLAYEY SILT, little fine - medium sand, little sand, trace clay, little silt, little gravel, loose when disturbed, medium consistency, SM		4 SS	2	1.1	7						JHS=0 ppm
8	808.07				3								
9	807.07	STRATIFIED, Brown wet SAND, mostly fine and medium, trace coarse trace silt, loose when disturbed, loose, stratified, SP		5 SS	4	1.0	7						JHS=0.3 ppm
10	806.07				4								
11	805.07	Occasional gravel	6 SS	2	0.8	7						JHS=0.4 ppm	
12	804.07			4									
13	803.07	Brown wet SAND, mostly fine size sand, trace medium and coarse sand, liquifies when disturbed, loose, (running sands), SP	7 SS	3	1.1	7						JHS=0.6 ppm	
14	802.07			3									
15	801.07			4									
16	800.07	Brown wet SILTY SAND, mostly very fine with occasional finer stratifications, liquifies when disturbed, firm, SP-SM	8 SS	2	1.0	5						JHS=8.0 ppm	
17	899.07			3									
18	898.07		8 SS	4	1.3	12						JHS=7.2 ppm	
19	897.07			4									
20	896.07		10 SS	2	1.0	7						JHS=8.2 ppm	

BOREHOLE LOG MPI-10B

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM:

CLIENT: NYSDEC
 DRILLING DATES: 12/22/84 - 12/23/84
 DRILLING METHOD: 8-1/4" HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 918.07ft. ABOVE NGVD

SYMBOLS AND DEFINITIONS

SS Split Spoon (2in.ID)
 SS3 Split Spoon (3in.ID)
 ST Shelby Tube (2.8in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAB Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('M' %)

DEPTH (ft. BGS)	ELEVATION (ft. AMSL)	SOIL/ROCK DESCRIPTION	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)	
			GRAPHIC LOG	SAMPLE NO. / RUN NO.	BLOWS / 8" RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.	% RGD.			
21	895.07	Brown wet SAND, mostly fine size sand, little medium sand, trace silt, liquifies when disturbed, loose, SP		11 SS	1 2 3 7	1.1	5					JHS=11.8 ppm	
22	894.07	more numerous fine sand stratifications, firm		12 SS	8 8 7 7	1.0	13					JHS=12.8 ppm	
23	893.07											JHS=9.8 ppm	
24	892.07	Brown wet SAND, fine, medium & coarse sand, little gravel, (increasing amount of silt in bottom of spoon), firm, SP		13 SS	4 5 8 8	0.8	11					JHS=4.8	
25	891.07	Brown wet SAND, mostly fine, little medium sand, trace silt, occasional fine sand lenses up to .03' in length, loose, SP		14 SS	2 2 3 10	1.0	5					JHS=3.4 ppm	
26	890.07											JHS=2.3 ppm	
27	889.07	Brown wet SAND, mostly fine, little medium, trace silt, loose, SP		15 SS	2 2 3 10	1.5	5						
28	888.07	LAMINATED, Fine sand lenses at 30.8 and 30.7 (.5" -.75" in length)		18 SS	2 3 8 10	0.9	8						
29	887.07												
30	886.07	Brown wet SANDY SILT, liquifies when disturbed, loose											
31	885.07	Boring complete at 32'. Installed well.											
32	884.07												
33	883.07												
34	882.07												
35	881.07												
36	880.07												
37	878.07												
38	878.07												
39	877.07												
40	876.07												

BOREHOLE LOG MPI-11B

PROJECT: MR. C CLEANERS REMEDIAL INVESTIGATION
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM:

CLIENT: NYSDEC
 DRILLING DATES: 12/27/84
 DRILLING METHOD: 6-1/4" HSA
 LOGGED/CHECKED BY: RHO
 SURFACE ELEVATION: 813.58ft.FT. ABOVE NGVD

SYMBOLS AND DEFINITIONS

BB Split Spoon (2in.ID)
 BB3 Split Spoon (3in.ID)
 BT Shelby Tube (2.8in.ID)
 WR Weight of Rods
 WH Weight of Hammer
 NR No Recovery

JHB HNU reading in jar headspace
 GAG Combustible Gas reading in augers

-----x Penetration Resistance ('N' Blows/1.0 ft.)
 o-----o Moisture Content ('N' %)

DEPTH (ft. BGS)	ELEVATION (ft. AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)
				SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.	% RGD.		
1	812.58	FILL, SILT, SAND AND GRAVEL, slag fill, moist,	[Symbol: Dotted pattern]	1 SS	5 2 2	1.0	4						JHS- ppm
2	811.58	TOPSOIL, Dark brown moist SILTY FINE SAND, some medium sand, trace gravel, trace organic vegetation, loose, SM			2 SS	3 5 7 8	1.5	12					
3	810.58	TILL, Brown moist fine SAND, little silt, little medium sand, trace rounded gravel, trace veg. fragments, firm, SM	[Symbol: Dotted pattern]	3 SS	3 3 3	1.5	8						JHS- ppm
4	808.58	Brown moist SILT AND SAND, some gravel, gravel ls fragments of black shale, greengray siltstone, loose, SM			4 SS	2 2 2	0.7	4					
5	808.58	Brown wet SILT AND fine SAND, some gravel, gravel ls fragments of black shale, greengray siltstone, loose, SM	[Symbol: Dotted pattern]	5 SS	WH	0.8	4						JHS- ppm
6	807.58	Brown wet GRAVEL, mostly rounded gravel in a fine sand matrix, loose, GP			6 SS	8 7 8 8	0.5	15					
7	806.58	Brown wet GRAVEL, mostly med size gravel, rounded, trace shale, some silt and fine sand, firm, GM	[Symbol: Dotted pattern]	7 SS	48 41 13 8	1.0	54						JHS- ppm
8	805.58	STRATIFIED Brown wet SAND, mostly fine sand, lliquifies when disturbed, loose, SP			8 SS	4 5 4 5	0.8	8					
9	804.58	Brown wet SAND & GRAVEL, fine to medium gravel, medium sand, trace fine sand, gravel-rounded, fine gravel in shale fragments, medium gravel ls sandstone/siltstone, very compact, SW or GW	[Symbol: Dotted pattern]	8 SS	7 7 8 12	1.8	15						JHS- ppm
10	803.58	Brown wet SAND & GRAVEL, fine-medium gravel, medium-coarse sand, trace silt, gravel-well rounded & well washed, loose, SW or GW			10 SS	17 10 12	1.2	22					
11	802.58	Brown wet SAND, medium-coarse sand, trace fine sand, little fine gravel, trace medium gravel, trace silt, gravel-well rounded & well washed, firm, SW	[Symbol: Dotted pattern]										JHS- ppm
12	801.58	Brown wet GRAVELLY SAND, medium-coarse sand, some fine-medium gravel, trace fine sand, thin stratified medium sand layers, firm, SW											

BOREHOLE LOG MPI-11B

PROJECT: MR. C CLEANERS REMEDIAL INVESTIGATION
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM:

CLIENT: NYSDEC
 DRILLING DATES: 12/27/84
 DRILLING METHOD: 8-1/4" HSA
 LOGGED/CHECKED BY: RHO
 SURFACE ELEVATION: 813.5811 FT. ABOVE NGVD

SYMBOLS AND DEFINITIONS

BS Split Spoon (2in.ID)
 BS3 Split Spoon (3in.ID)
 BT Shelby Tube (2.8in.ID)
 WR Weight of Rods
 WH Weight of Hammer
 NR No Recovery

JHS HNU reading in jar headspace
 GAB Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('M' %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	SOIL DATA				ROCK DATA			WELL DIAGRAM	COMMENTS (USCS)	
			GRAPHIC LOG	SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.			% REC.
21	882.58	Brown wet SANDY SILT, some fine sand, firm, ML	[Dotted pattern]	11 SS	4 5 6	0.8	11					JHS= ppm
22	881.58	Black SHALE FRAGMENTS										
23	890.58	Brown wet SAND, mostly fine sand, trace to little silt, liquifies when disturbed, loose, SP-SM	[Dotted pattern]	12 SS	2 4 4 7	1.8	8					JHS= ppm
24	888.58	Grayish brown wet SAND, mostly fine, some medium, trace silt, loose, SP										
25	888.58		[Dotted pattern]	13 SS	WR 1 2 3	1.0	3					JHS= ppm
26	887.58											
27	888.58	LAMINATED, Gray wet SILT and SAND, mostly very fine, liquifies when disturbed, loose, SM	[Dotted pattern]	14 SS	3 3 4 7	1.5	7					JHS= ppm
28	885.58	Gray wet SAND, mostly medium, little fine, loose, SP										
29	884.58	Gray wet SAND, mostly fine sand, little silt, loose, SM	[Dotted pattern]	15 SS	WR 3 4 3	1.0	7					JHS= ppm
30	883.58	Gray wet SILT and very fine SAND, loose, ML										
31	882.58	Gray wet fine SAND, little silt, loose, SM										
32	881.58	Boring complete at 30'. Installed well.										
33	880.58											
34	878.58											
35	878.58											
36	877.58											
37	876.58											
38	875.58											
39	874.58											
40	873.58											

BOREHOLE LOG MPI-12B

PROJECT: MR. C CLEANERS REMEDIAL INVESTIGATION
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM:

CLIENT: NYSDEC
 DRILLING DATES: 12/28/84
 DRILLING METHOD: B-1/4" HSA
 LOGGED/CHECKED BY: RHO
 SURFACE ELEVATION: 811.44ft.FT. ABOVE NGVD

SYMBOLS AND DEFINITIONS

SS Split Spoon (2In.ID)
 SS3 Split Spoon (3In.ID)
 ST Shelby Tube (2.8In.ID)
 HR Height of Rock
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAB Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('M' %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA			WELL DIAGRAM	COMMENTS (USCS)	
				SAMPLE NO. / RUN NO.	BLOWS / 8" B	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.			% RGD.
1	810.44	FILL, Asphalt, subbase, gravel, sand to cobbles in cuttings firm		1 SS	5 8 8	0.7	12					JHS=0 ppm	
2	808.44	Silty fine sand, slightly moist		2 SS	4 5 8 8	0.7	11					JHS=0 ppm	
3	808.44			TILL, brown moist CLAYEY SILT, some gravel (fine to cobbles), moderate-extremely weathered till, medium consistency, CL	3 SS	5 8 8 10	0.7	12					JHS=0 ppm
4	807.44	Brown wet GRAVELLY CLAYEY SILT, black shale and greenish gray siltstone, clayey silt mottled reddish brown, medium consistency, CL			4 SS	5 3 3 2	0.5	8					JHS=0 ppm
5	806.44			STRATIFIED, brown wet SANDY GRAVEL, little fine to medium sand, gravel-well rounded, loose, SW	5 SS	1 2 3 8	0.2	5					JHS=0.8 ppm
6	805.44	Brown wet SANDY GRAVEL, little medium to coarse sand, loose, GW			8 SS	1 3 5 3	0.3	8					JHS=7.0 ppm
7	804.44			Brown wet SANDY GRAVEL, little silt, firm, SM or GM	7 SS	5 8 5 5	1.0	11					JHS=5.5 ppm
8	803.44	Brown wet SANDY GRAVEL, little medium to coarse sand, loose, GW			8 SS	2 3 3 4	0.7	8					JHS=7.8 ppm
9	802.44			Brown wet SILTY SAND, mostly medium to fine sand, some medium-coarse gravel, gravel loose w/occasional layers of firm fine matrix, firm, SM	7								JHS=4.5 ppm
10	801.44	Brown wet SANDY GRAVEL, some fine to medium sand, cobbles to fine gravel, trace silt, firm, GW			8 SS	5 7 7	1.0	12					JHS=1.0 ppm
11	800.44				10 SS	5 8 13 8	1.0	19					
12	899.44												
13	898.44												
14	897.44												
15	896.44												
16	895.44												
17	894.44												
18	893.44												
19	892.44												
20	891.44												

BOREHOLE LOG MPI-12B

PROJECT: MR. C CLEANERS REMEDIAL INVESTIGATION
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM:

CLIENT: NYSDEC
 DRILLING DATES: 12/28/84
 DRILLING METHOD: 8-1/4" HSA
 LOGGED/CHECKED BY: RHO
 SURFACE ELEVATION: 811.44ft. ABOVE NGVD

SYMBOLS AND DEFINITIONS

BS Split Spoon (2in.ID)
 BS3 Split Spoon (3in.ID)
 ST Shelby Tube (2.8in.ID)
 WR Weight of Rocks
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAS Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft. AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)	
				SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.	% RGD.			
21	880.44	no recovery		11 SS	2 5 7 11	1.0	12						JHS=0.3 ppm	
22	888.44													JHS=0.6 ppm
23	888.44			12 SS	17 27 10 11	0.8	37							JHS=0 ppm
24	887.44													
25	886.44	Brown wet SAND and GRAVEL, fine gravel, coarse sand, some fine sand trace silt, firm, SW or GW		13 SS	3 8 10 11	NR	18						JHS=0.4 ppm	
26	885.44													
27	884.44			14 SS	12 8 8 10	0.5	12							
28	883.44	Becoming Gray at 32.5'		15 SS	3 3 7 8	0.5	10						JHS=0.3 ppm	
29	882.44													JHS=0.2 ppm
30	881.44													JHS=0 ppm
31	880.44	Gray wet, fine SAND, some fine gravel and medium sand, trace to little silt, loose, SM		18 SS	4 7 8 7	0.5	18						JHS=0.1 ppm	
32	878.44													
33	878.44	LAMINATED, brownish gray wet SILTY CLAY, some silt, occasional round gravel, consistence, CL		17 SS	7 8 8 7	1.0	18							
34	877.44													
35	876.44													
36	875.44	Boring complete at 38'. Installed well to 35.0 feet.		18 SS	3 3 4 3	0.3	10							
37	874.44													
38	873.44													
39	872.44													
40	871.44													

BOREHOLE LOG MPI-13B

PROJECT: MR. C CLEANERS REMEDIAL INVESTIGATION
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM:

CLIENT: NYSDEC
 DRILLING DATES: 1/10/85
 DRILLING METHOD: 8-1/4" HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 813.88 ft. ABOVE NGVD

SYMBOLS AND DEFINITIONS

SS Split Spoon (2in.ID)
 SS3 Split Spoon (3in.ID)
 ST Shelby Tube (2.8in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAS Combustible Gas reading in augers

---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft ANSL)	SOIL/ROCK DESCRIPTION	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)		
			GRAPHIC LOG	SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.			% RGD.	
1	912.88	FILL, Asphalt to 0.2' and concrete to 1.0, fill to 2.0 feet		-	-	-	-							
2	911.88	Brown moist SANDY SILT, little fine to coarse sand, trace fine gravel, blocky, loose, reworked soil		1	3	1.3	8						JHS=0 ppm	
3	910.88			2	3	1								JHS=0.3 ppm
4	909.88	TILL, yellowish brown moist CLAYEY SANDY SILT, little f-c sand, trace clay & gravel, trace roots, blocky, loose, ML		2	5	1.3	12						JHS=0.4 ppm	
5	908.88			3	7	7								JHS=0.4 ppm
6	907.88	Brown w/gray mottling moist CLAYEY SILT, w/15-25% mostly shale gravel, massive, medium consistence, CL		3	5	0.9	10						JHS=0.2 ppm	
7	906.88			4	5	1	0.8	2						JHS=0.1 ppm
8	905.88	Brown wet SILTY GRAVELLY SAND, w/mostly coarse sand, little fine to medium, little silt, little gravel, exhibits some cohesion, medium consistency, SM		5	1	0.7	3						JHS=0.1 ppm	
9	904.88			6	2	2								JHS=0.1 ppm
10	903.88	STRATIFIED, Brown wet SAND, mostly coarse sand, little med. sand, trace-little silt & grav, loose when disturbed, loose, SP-SM		7	1	0.9	3						JHS=0.1 ppm	
11	902.88			8	3	4	1.4	7						JHS=0.1 ppm
12	901.88	LAMINATED, brown wet SAND, mostly very fine and fine sand, trace-little silt, liquifies when disturbed, loose, SP-SM		9	1	0.9	3						JHS=0.1 ppm	
13	900.88			10	2	3								JHS=0.1 ppm
14	899.88	Gray wet v fine & fine SAND, little silt, liq. when dist, loose, SP-SM		8	3	1.4	7						JHS=0.1 ppm	
15	898.88	Gray wet CLAYEY SILT, w/some v. fine & fine sand, CL		9	1	0.9	3						JHS=0.1 ppm	
16	897.88			10	2	3								JHS=0.1 ppm
17	896.88	STRAT. Brown wet GRAV. coarse SAND, trace silt, some grav, loose when dist, firm, SP		11	10	0.2	20						JHS=0.1 ppm	
18	895.88			12	10	10								JHS=0.1 ppm
19	894.88	Gray wet f-c SAND, med sand layer 0.1' thick @ 18.0', f. sand layer 18.1-18.2', m-c layer 18.2-18.5, loose when dist, firm, SW		13	2	1.2	12						JHS=0.1 ppm	
20	893.88			14	4	8								JHS=0.1 ppm
		Brown wet GRAV SAND, f-c sand, some gray, trace silt, loose when dist, loose, SW		15	10									

BOREHOLE LOG MPI-13B

PROJECT: MR. C CLEANERS REMEDIAL INVESTIGATION
 PROJECT NO.: 0200-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM:

CLIENT: NYSDEC
 DRILLING DATES: 1/10/95
 DRILLING METHOD: 8-1/4" HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 913.88ft.FT. ABOVE NGVD

SYMBOLS AND DEFINITIONS

SS Split Spoon (2in.ID)
 SS3 Split Spoon (3in.ID)
 ST Shelby Tube (2.8in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAS Combustible Gas reading in augers

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	SOIL DATA				ROCK DATA				WELL DIAGRAM	COMMENTS (USCS)	
			GRAPHIC LOG	SAMPLE NO. / RUN NO.	BLOWS / 8" RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.	% ROD.			
21	892.88			10 SS	2 5 7 9	0.9	12					JHS=0.8 ppm	
22	891.88	Brown wet SANDY GRAVEL, some medium - coarse sand, fine gravel, trace silt, loose when disturbed, firm, GW		11 SS	7 5 9 9	1.4	14						JHS=0.4 ppm
23	890.88												
24	889.88	Brown wet medium-coarse SAND, trace to little gravel, loose when disturbed, firm, SP		12 SS	5 9 7 9	1.0	18						JHS=0.3
25	888.88	Brown wet SAND, medium sand, trace gravel, loose when disturbed, firm, SP											
26	887.88	Brown wet GRAVEL and SAND, medium to coarse sand, fine subrounded gravel, loose when disturbed, SP		13 SS	8 12 10 12	1.4	22						JHS=0 ppm
27	888.88												
28	885.88	LAMINATED, gray wet SAND, mostly fine, liquifies when disturbed, loose, SP		14 SS	WR 3 4	1.3	<4						JHS=0 ppm
29	884.88												
30	883.88			15 SS	5 8 5 8	1.4	11						JHS=0 ppm
31	882.88												
32	881.88		16 SS	WR 1 2	0.3	<2						JHS=0 ppm	
33	880.88												
34	879.88	Boring complete at 34'. Installed well @ 32.3'.											
35	878.88												
36	877.88												
37	876.88												
38	875.88												
39	874.88												
40	873.88												

BOREHOLE LOG MPI-14B

PROJECT: MR. C CLEANERS RI
 PROJECT NO.: 0200-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM:

CLIENT: NYSDEC
 DRILLING DATES: 1/11/95
 DRILLING METHOD: 8-1/4" HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION: 913.49ft. ABOVE NGVD

SYMBOLS AND DEFINITIONS

SS Split Spoon (2in.ID)
 SS3 Split Spoon (3in.ID)
 ST Shelby Tube (2.8in.ID)
 WR Weight of Rods
 NR No Recovery
 - Sampler Refusal

JHS HNU reading in jar headspace
 GAS Combustible Gas reading in augers

γ---γ Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft. BGS)	ELEVATION (ft. AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA			WELL DIAGRAM	COMMENTS (USCS)	
				SAMPLE NO. / RUN NO.	BLOWS / 8"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.			% ROD.
1	912.49	FILL, Asphalt, concrete, over gravel fill, advanced augers to 2 feet w/out sampling	•••••	-	-	-	-						
2	911.49	FILL, brown moist CLAYEY SILT, w/little fine to coarse sand, little gravel, medium consistency	•••••	1 SS	2	1.2	9						JHS=0.1 ppm
3	910.49				4								
4	909.49				5								
5	908.49	Brown moist SILTY SAND, with medium to coarse sand, some silt, little to some gravel, loose	•••••	2 SS	1	0.7	3						JHS=0.1 ppm
6	907.49				2								
7	906.49	LAMINATED, brown wet SANDY SILT, little very fine sand, liquifies when disturbed, noticed fabric texture, loose, ML	•••••	3 SS	1	1.4	5						JHS=0 ppm
8	905.49				2								
9	904.49				3								
10	903.49	Gray wet CLAYEY SILT (.15'), SANDY SILT (.15'), SILT (.1') SANDY SILT (.4'), sandy silt seams liquify when disturbed, soft	•••••	4 SS	2	1.4	8						JHS=0.1 ppm
11	902.49				4								
12	901.49	STRATIFIED, Brown wet SILTY SAND, liquifies when disturbed, grades to drier silt, loose, SM	•••••	5 SS	3	1.2	12						JHS=0.5 ppm
13	900.49				8								
14	899.49				8								
15	898.49	Brown wet GRAVEL and SAND, trace to little silt, fine to coarse sand, loose when disturbed, loose, SW or GW	•••••	6 SS	8	1.4	14						JHS=0.3 ppm
16	897.49				8								
17	896.49	Brown wet SAND, mostly very fine to fine sand, trace silt, firm, SP	•••••	7 SS	2	0.3	9						JHS=0.2 ppm
18	895.49				3								
19	894.49	Brown wet SAND, mostly fine sand, loose when disturbed, firm, SP	•••••	8 SS	8	1.2	10						JHS=1.0 ppm
20	893.49				5								
					4								
		Brown wet SAND, mostly medium and fine sand, loose when disturbed, loose, SP	•••••	9 SS	2	1.2	8						JHS=0.9 ppm
					4								
		Brown wet GRAVEL and SAND, trace to little silt, mostly medium to coarse sand, loose when disturbed, loose, SW or GW	•••••	8 SS	5	1.2	10						JHS=0.9 ppm
					5								
		one 0.05' silt seam @ 18.8' BGS	•••••	9 SS	2	1.2	8						JHS=0.9 ppm
					4								
					8								

BOREHOLE LOG SB-1

PROJECT: MR. C CLEANERS REMEDIAL INVESTIGATION
 PROJECT NO.: 0200-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM:

CLIENT: NYSDEC
 DRILLING DATES: 12/14/94
 DRILLING METHOD: 2-1/4" HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION:

SYMBOLS AND DEFINITIONS

SS Split Spoon (2in.ID)
 SS3 Split Spoon (3in.ID)
 ST Shelby Tube (2.8in.ID)
 WR Weight of Rods
 WH Weight of Hammer
 NR No Recovery

JHS HNU reading in jar headspace
 GAS Combustible Gas reading in augers
 SSLA Sample submitted for laboratory analysis

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft. BGS)	ELEVATION (ft. AMSL)	SOIL/ROCK DESCRIPTION	SOIL DATA				ROCK DATA			WELL DIAGRAM	COMMENTS (USCS)
			GRAPHIC LOG	SAMPLE NO. / RUN NO.	BLOWS / 0" RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.		
1	-1	FILL Concrete to 0.5 feet			1						JHS=0.1 ppm
2	-2	TILL, Brown moist SANDY SILT, with little gravel, trace clay, loose, ML		1 SS	2 3 5	0.2	5				JHS=0.3 ppm
3	-3	Brown moist CLAYEY SANDY SILT, with little gravel, trace to little clay, moist, medium consistence, ML		2 SS	2 5 7 8	0.8	12				JHS=0.7 ppm
4	-4	Brown moist SANDY GRAVELLY SILT, trace clay, gravel up to 1.5", fine to coarse sand, firm, massive, SM		3 SS	3 8 5 8	0.7	13				JHS=1.2 ppm
5	-5	Brown extremely moist SANDY GRAVEL W/SILT, little silt, loose, GM		4 SS	3 3 3 2	1.0	8				JHS=200 ppm SSLA
6	-6	STRATIFIED Brown wet SAND, with trace to little silt, mostly medium sand, trace coarse sand, loose, SP-SM		5 SS	2 3 4 4	1.0	7				JHS=220 ppm SSLA
7	-7			6 SS	2 2 4 4	1.0	8				
8	-8										
9	-9										
10	-10										
11	-11										
12	-12	Boring complete at 12'. Advanced augers to 10' BGS. Backfilled borehole with drill cuttings and cement.									
13	-13										
14	-14										
15	-15										
16	-16										
17	-17										
18	-18										
19	-19										
20	-20										

BOREHOLE LOG SB-2

PROJECT: MR. C CLEANERS REMEDIAL INVESTIGATION
 PROJECT NO.: 0288-31-4
 LOCATION: EAST AURORA, NEW YORK
 SURVEY COORDINATES:
 SURVEY DATUM:

CLIENT: NYSDEC
 DRILLING DATES: 12/15/94
 DRILLING METHOD: 2-1/4" HSA
 LOGGED/CHECKED BY: JMA/RHO
 SURFACE ELEVATION:

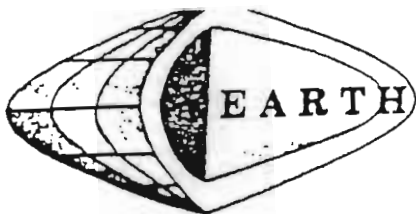
SYMBOLS AND DEFINITIONS

SS Split Spoon (2in.ID)
 SSS Split Spoon (3in.ID)
 ST Shelby Tube (2.8in.ID)
 WR Weight of Rods
 WH Weight of Hammer
 NR No Recovery

JHS HNU reading in jar headspace
 GAB Combustible Gas reading in augers
 SGLA Sample submitted for laboratory analysis

x---x Penetration Resistance ('N' Blows/1.0 ft.)
 o---o Moisture Content ('N' %)

DEPTH (ft.-BGS)	ELEVATION (ft AMSL)	SOIL/ROCK DESCRIPTION	GRAPHIC LOG	SOIL DATA				ROCK DATA			WELL DIAGRAM	COMMENTS (USCS)
				SAMPLE NO. / RUN NO.	BLOWS / Ø"	RECOVERY (in)	'N'-VALUE	FROM/TO	DRILL RATE MIN./FT.	% REC.		
		FILL, Asphalt to 0.5 feet	●●●●									JHS=0.6 ppm
1	-1	Dark gray moist SILT with sand and gravel, loose, SM	●●●●	1 SS	3 4 4	1.0	7					JHS=0.6 ppm
2	-2	TILL, Brown moist CLAYEY SILT, with little gravel and sand, medium consistence, CL	●●●●	2 SS	2 5 7 8	1.3	12					JHS=1.4 ppm
4	-4	Brown moist CLAYEY SILTY SAND, with little shale gravel, loose when disturbed, loose, SM	●●●●	3 SS	2 8 7 9	1.1	13					JHS=2.0 r
7	-7		●●●●	4 SS	3 5 8 9	1.2	13					JHS=14.3 ppm SSLA
8	-8	STRATIFIED Brown moist GRAVELLY SAND, w/15-40% gravel, mostly coarse sand, little medium, trace silt, loose, SP	●●●●	5 SS	9 5 5 5	0.7	10					
10	-10	Boring complete at 10'. Collected water sample at 13' w/ Hydropunch sampler. Advanced augers to 10' BGS. Borehole backfilled with drill cuttings and cement.										
11	-11											
12	-12											
13	-13											
14	-14											
15	-15											
16	-16											
17	-17											
18	-18											
19	-19											
20	-20											



EARTH DIMENSIONS, INC.

Soil Investigations and Natural Resource Assessments
 Roycroft Campus, 31 S. Grove St. • East Aurora, NY 14052 • (716) 655-1717

MONITORING WELL
 HOLE NO. 1-88 (MW-1)

SURF. ELEV. _____

PROJECT Monitoring well installation LOCATION North side of station
 4F88 Agway Petroleum Station, East Aurora, NY
 CLIENT AGWAY PETROLEUM CORPORATION DATE STARTED 6/20/88 COMPLETED 6/20/88

DEPTH	SAMPLE NO.	BLOWS ON SAMPLER					DESCRIPTION & CLASSIFICATION	WELL	WATER TABLE & REMARKS
		0-5	5-10	10-15	15-20	20-24			
1	100/4						Moist brown very gravelly (SILTY-SAND) fill with 40 to 60% gravel and concrete debris, fine to coarse size sand, little silt, loose when disturbed 2.0	Cement bentonite grout	Mostly sand and gravel fill with concrete debris with little silt to 2.0 feet over silty possible soil fill with some gravel to 4.0 feet over either water sorted and deposited or fill consisting of silt with some gravel, little sand to 10.0 feet over water sorted and deposited sand to end of boring.
		32				46			
			14			6			
2	5								
		10				23			
			13			31			
3	11								
			14			23			
			9			7			
4	4								
			6			12			
			6			3			
5	2								
			3			6			
			3			4			
10	6	1							
			3			9			
			6			5			
7	WH								
			4			8			
			4			2			
8	1								
			2			6			
15									
			4			5			
9	WH								
			2			5			
			3			5			
			5			9			
10	2								
			4			5			
			5			5			

N = NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 lb. WT. FALLING 30 " PER BLOW.

LOGGED BY Donald W. Owens/Soil Scientist

SHEET 1 OF 2

Continued on sheet 2.



EARTH DIMENSIONS, INC.

Soil Investigations and Natural Resource Assessments

Roycroft Campus, 31 S. Grove St. • East Aurora, NY 14052 • (716) 655-1717

MONITORING WELL

HOLE NO. 1-88 continued (MW-1)

SURF. ELEV. _____

PROJECT Monitoring well installation
 4F88 Agway Petroleum Station, East Aurora, NY
 F882
 CLIENT AGWAY PETROLEUM CORPORATION

LOCATION North side of station
 DATE STARTED 6/20/88 COMPLETED 6/20/88

DEPTH feet	SAMPLE NO	BLOWS ON SAMPLER				DESCRIPTION & CLASSIFICATION	WELL		WATER TABLE & REMARKS
		0-6"	6-12"	12-18"	18-24"		(1)	(2)	
	11	2				Wet gray (SAND), fine to medium size, loose, thinly bedded	(1) (2)	22.0	
		2			6				
			4						
				5					
					22.0				
25						Boring completed at 22.0 feet.			
						(1) Two (2) inch PVC slotted screen, #10.			
						(2) #2 size sand.			
						Down hole drilling and split spoon sampling equipment, and PVC monitoring well supplies were steam cleaned prior to use and installation.			
30						Monitoring well secured with locking cap and metal protective casing.			
35									
40									

N = NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 lb. WT. FALLING 30 " PER BLOW.

LOGGED BY Donald W. Owens/Soil Scientist
 from collected soil samples

SHEET 2 OF 2

PROJECT Agway Petroleum Corporation
 LOCATION Bulk Plant
 East Aurora, New York
 DATE STARTED 5/1/84 DATE COMPLETED 5/1/84

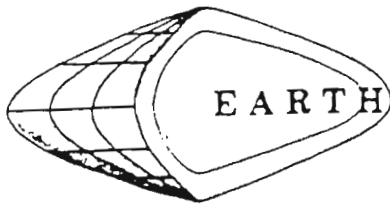
HOLE NO. B-2 (MW-2)
 SURF. EL.
 JOB NO. 8461
 GROUND WATER DEPTH WHILE DRILLING 10.0'
 BEFORE CASING REMOVED 12.5'
 AFTER CASING REMOVED 9.5'

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
 30" — ASTM D-1586. STANDARD PENETRATION TEST
 C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
 %OR — % CORE RECOVERY

CASING TYPE - HOLLOW STEM AUGER

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						CONCRETE	17.0'
						Brown moist stiff SILT, some fine gravel, little fine to coarse sand	
5.0							
	5.0'	1		7/7			
	6.5'			5	12		
10.0							10.0'
WL	10.0'	2		7/6		Brown wet medium dense fine to coarse SAND, trace silt	
	11.5'			6	12		
15.0							
	15.0'	3		6/4			
	16.5'			4	8		
						Bottom of Boring	16.5'
20.0						Note: Installed 2" P.V.C. screen 15.0' to 10.0', riser to surface with roadway box cover.	



EARTH DIMENSIONS, INC.

Soil Investigations and Monitoring Well Installations

Roycroft Campus, 31 S. Grove St. • East Aurora, NY 14052 • (716) 655-1717

MONITORING WELL
HOLE NO 1-89 (MW-3)

SURF ELV _____

PROJECT Monitoring well installation
4F88b Main & Whaley Sts., East Aurora, NY

LOCATION APPROX. 21.0 feet west of NW corner of
building on Whaley Road

CLIENT AGWAY PETROLEUM CORPORATION

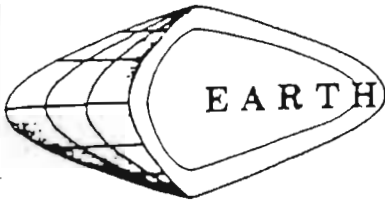
DATE STARTED 1/26/89 COMPLETED 1/27/89

DEPTH FEET	SAMPLE NO	BLOWS ON SAMPLER					DESCRIPTION & CLASSIFICATION	WELL	WATER TABLE & REMARKS
		6	12	18	24	h			
0.4							Concrete		Concrete to 0.4 feet
1.0		13				25	Extremely moist gray crush gravel fill with 20 to 40% mostly concrete gravel, very fine to coarse sand size, compact, loose when disturbed	Four (4) inch inside dia- meter PVC riser pipe (1)	over crush gravel fill to 1.0 feet over possible silty fill with some gravel to 6.0 feet over water sorted and deposited or fill consisting of silt with some gravel, little sand to 9.0 feet over water sorted and deposited sand to end of boring.
3.7		12				7			
4.0		7				9	Extremely moist distinctly mottled olive gray shaly (CLAYEY-SILT) with 20 to 40% mostly flat shale gravel, very stiff becoming firm below 4.0 feet, noticed one (1) apparent concrete chunk at 3.8 feet		
6.0		4				5	----- grades downward to -----		
6.1		5				10	Extremely moist distinctly mottled olive gray shaly (CLAYEY-SILT) with 20 to 40% mostly shale gravel, little fine to coarse size sand, stiff weakly stratified or possible fill	Four (4) inch PVC riser pipe (2)	
7.0		5				8	----- clear transition to -----		
9.0		3				7	Extremely moist distinctly mottled olive gray and gray (SAND) with fine to medium size sand, trace silt, compact, loose when disturbed, thinly bedded		Water level at 9.9 feet below ground surface with 8 1/2 inch hollow stem augers at 14.0 feet.
9.9		4				8	----- grades downward to -----		Advanced jack hammer through 0.4 feet of concrete.
10.0		5				12	Wet faintly mottled olive gray and dark gray (SAND) with very fine to coarse size sand, trace silt, compact tends to liquify when disturbed, thinly bedded, noticed occasional rounded to subrounded fine size gravel, noticed petroleum sheen and odor	Four (4) inch PVC slotted screen #2 size sand	(1) Cement bentonite grout.
10.0		7				10	----- grades downward to -----		(2) Bentonite pellet seal.
12.0		3				9	Wet faintly mottled gray (SAND) with very gravelly fine to fine size sand loose, thinly bedded, noticed petroleum sheen and odor		
12.0		7				15	----- grades downward to -----		
14.0		3				15			
15.0		7				15			
17.0		8				9			
18.0		4				13			
18.0		6				10			
20.0		7							

Continued on sheet 2.

N = NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 lb WT FALLING 30 PPS BLOW

LOGGED BY Dale M. Granza/Geologist



EARTH DIMENSIONS, INC.

Soil Investigations and Monitoring Well Installations

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MONITORING WELL
HOLE NO 1-89 continued (MN-3)

SURF ELV _____

PROJECT Monitoring Well installation
P88b Main & Whaley Sts., East Aurora, NY

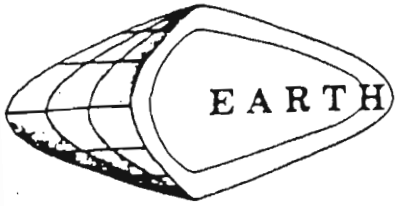
LOCATION Approx 21.0 feet west of NW corner of
building on Whaley Road

CLIENT AGWAY PETROLEUM CORPORATION

DATE STARTED 1/26/89 COMPLETED 1/27/89

DEPTH FEET	SAMPLE NO	BLOWS ON SAMPLER					DESCRIPTION & CLASSIFICATION	WATER TABLE & REMARKS																																	
		U	E	10	5	N																																			
							Wet grayish brown (SAND) with very fine to fine size sand, compact, readily liquifies when disturbed, thinly bedded with occasional thin coarse silt lenses 1/16 to 1/8 inch thick, slight petroleum odor 18.0																																		
25							Boring completed at 18.0 feet.	<table border="1"> <thead> <tr> <th colspan="3">OVM Readings</th> </tr> <tr> <th>Sample #</th> <th>Interval</th> <th>ppm Reading</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.0 - 2.0</td> <td>0</td> </tr> <tr> <td>2</td> <td>2.0 - 4.0</td> <td>2.0</td> </tr> <tr> <td>3</td> <td>4.0 - 6.0</td> <td>17.5</td> </tr> <tr> <td>4</td> <td>6.0 - 8.0</td> <td>1.7</td> </tr> <tr> <td>5</td> <td>8.0 - 10.0</td> <td>27.0</td> </tr> <tr> <td>6</td> <td>10.0 - 12.0</td> <td>49.5</td> </tr> <tr> <td>7</td> <td>12.0 - 14.0</td> <td>47.0</td> </tr> <tr> <td>8</td> <td>14.0 - 16.0</td> <td>16.0</td> </tr> <tr> <td>9</td> <td>16.0 - 18.0</td> <td>4.0</td> </tr> </tbody> </table>	OVM Readings			Sample #	Interval	ppm Reading	1	0.0 - 2.0	0	2	2.0 - 4.0	2.0	3	4.0 - 6.0	17.5	4	6.0 - 8.0	1.7	5	8.0 - 10.0	27.0	6	10.0 - 12.0	49.5	7	12.0 - 14.0	47.0	8	14.0 - 16.0	16.0	9	16.0 - 18.0	4.0
OVM Readings																																									
Sample #	Interval	ppm Reading																																							
1	0.0 - 2.0	0																																							
2	2.0 - 4.0	2.0																																							
3	4.0 - 6.0	17.5																																							
4	6.0 - 8.0	1.7																																							
5	8.0 - 10.0	27.0																																							
6	10.0 - 12.0	49.5																																							
7	12.0 - 14.0	47.0																																							
8	14.0 - 16.0	16.0																																							
9	16.0 - 18.0	4.0																																							
30																																									
35																																									

N = NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 LB WT FALLING 30 PER BLOW.



EARTH DIMENSIONS, INC.

Soil Investigations and Monitoring Well Installations

Roycroft Campus, 31 S. Grove St. • East Aurora, NY 14052 • (716) 655-1717

MONITORING WELL
HOLE NO 2-89 (MW-4)

SURF ELV _____

PROJECT Monitoring well installation
4F88b Main & Whaley Sts., East Aurora, NY

LOCATION Approx. 10.0 feet south of SW corner
of pump island

CLIENT AGWAY PETROLEUM CORPORATION

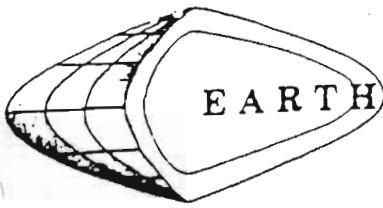
DATE STARTED 1/27/89 COMPLETED 1/27/89

DEPTH FEET	SAMPLE NO	BLOWS ON SAMPLER				DESCRIPTION & CLASSIFICATION	WELL	WATER TABLE & REMARKS
		6	12	18	24			
1						Concrete 0.4	Four (4) inch inside diameter PVC riser pipe. Cement Bentonite Grout	Concrete to 0.4 feet over crush gravel fill to 0.9 feet over silty fill with some gravel to 2.5 feet over silty soil fill with little gravel trace to little sand to 4.0 feet over water sorted and deposited silt with some gravel to 8.0 feet over water sorted and deposited sand and gravel with some silt to 11.0 feet over water sorted and deposited sand to end of boring.
	5					Extremely moist gray crush gravel fill with 20 to 40% mostly concrete gravel, very fine to coarse sand size, loose 0.9		
		5						
			4					
2	6					Extremely moist dark gray shaly silt loam (CLAYEY-SILT) fill with 15 to 40% shale gravel, stiff 0.9		
		4						
			3					
				4				
3	8					grades downward to 2.5		
		14						
5						Extremely moist olive brown silt loam (CLAYEY-SILT) fill with 5 to 15% gravel, trace to little very fine size sand, firm 4.0		
	4	7						
			6					
				7				
					13			
	5	10						
			12					
				13				
10						Extremely moist distinctly mottled olive brown to olive gray shaly (CLAYEY-SILT) with 15 to 40% mostly shale gravel, very stiff becoming stiff below 6.0 feet, weakly stratified, noticed one (1) wet olive brown (SAND) lens between 4.1 to 4.2 feet 8.0		
	6	27						
			20					
				19				
					39			
	7	1				Extremely moist highly mottled olive gray very gravelly (SILTY-SAND) with 40 to 60% mostly subangular gravel, very fine to coarse size sand, some silt, compact, weakly stratified, noticed distinct petroleum odor 11.0		
			4					
				7				
					11			
	8	11				clear transition to 11.0		
15						Wet alternating olive brown and gray (SAND) very fine to medium size sand, dense, tends to liquify when disturbed, thinly bedded with coarse silt lenses, noticed distinct petroleum odor with some oil sheen 12.0		
			12					
				11				
					23			
	9	6						
				7				
					18			
				11				
20						grades downward to 12.0		

Continued on sheet 2

N = NUMBER OF BLOWS TO DRIVE 2 SPOON 12 WITH 140 LB WT FALLING 30 PER BLOW

Record by Dale M. Gramza/Geologist



EARTH DIMENSIONS, INC.

Soil Investigations and Monitoring Well Installations

Roycroft Campus, 31 S. Grove St. • East Aurora, NY 14052 • (716) 655-1717

MONITORING WELL

WELL NO. 2-89 Continued (MW-4)

SURF ELV _____

PROJECT Monitoring well installation

LOCATION Approx. 10.0 feet south of SW corner

F88b Main & Whaley Sts., East Aurora, NY

of pump island

CLIENT AGWAY PETROLEUM CORPORATION

DATE STARTED 1/27/89 COMPLETED 1/27/89

DEPTH FEET	SAMPLE NO.	BLOWS ON SAMPLER	DESCRIPTION & CLASSIFICATION	WATER TABLE & REMARKS																														
			Wet gray (SAND) with fine to coarse size sand, compact, loose when disturbed, thinly bedded with occasional subrounded gravel fragment 15.0																															
			Wet faintly mottled brown (SAND) with very fine to fine size sand, trace silt, compact, tends to liquify when disturbed, thinly bedded 18.0																															
25			Boring completed at 18.0 feet.	<p style="text-align: center;"><u>OVM Readings</u></p> <table border="1"> <thead> <tr> <th>Sample#</th> <th>Interval</th> <th>SPM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.0 - 2.0</td> <td>0</td> </tr> <tr> <td>2</td> <td>2.0 - 4.0</td> <td>0</td> </tr> <tr> <td>3</td> <td>4.0 - 6.0</td> <td>0</td> </tr> <tr> <td>4</td> <td>6.0 - 8.0</td> <td>11</td> </tr> <tr> <td>5</td> <td>8.0 - 10.0</td> <td>165</td> </tr> <tr> <td>6</td> <td>10.0 - 12.0</td> <td>227</td> </tr> <tr> <td>7</td> <td>12.0 - 14.0</td> <td>174</td> </tr> <tr> <td>8</td> <td>14.0 - 16.0</td> <td>4.6</td> </tr> <tr> <td>9</td> <td>16.0 - 18.0</td> <td>4.1</td> </tr> </tbody> </table>	Sample#	Interval	SPM	1	0.0 - 2.0	0	2	2.0 - 4.0	0	3	4.0 - 6.0	0	4	6.0 - 8.0	11	5	8.0 - 10.0	165	6	10.0 - 12.0	227	7	12.0 - 14.0	174	8	14.0 - 16.0	4.6	9	16.0 - 18.0	4.1
Sample#	Interval	SPM																																
1	0.0 - 2.0	0																																
2	2.0 - 4.0	0																																
3	4.0 - 6.0	0																																
4	6.0 - 8.0	11																																
5	8.0 - 10.0	165																																
6	10.0 - 12.0	227																																
7	12.0 - 14.0	174																																
8	14.0 - 16.0	4.6																																
9	16.0 - 18.0	4.1																																
30																																		
35																																		
40																																		

N = NUMBER OF BLOWS TO DRIVE 2 " SPOON 12 " WITH 140 LB WT FALLING 30 " PEF BLOW

LOGGED BY: Dale M. Granza/Geologist

SHEET 2 OF 2

PROJECT Agway Petroleum Corporation
 LOCATION Bulk Plant
 East Aurora, New York
 DATE STARTED 5/1/84 DATE COMPLETED 5/1/84

HOLE NO. 8-4 (MW-5)
 SURF. EL.
 JOB NO. 8461

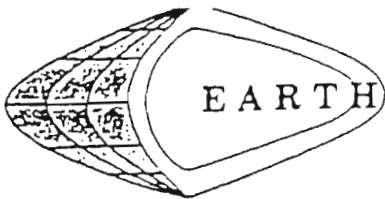
N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
 30" — ASTM D-1586, STANDARD PENETRATION TEST
 C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
 *IOR — % CORE RECOVERY

GROUND WATER DEPTH
 WHILE DRILLING 10.0'
 BEFORE CASING
 REMOVED 10.0'
 AFTER CASING
 REMOVED 12.0'

CASING TYPE - HOLLOW STEM AUGER

SHEET 1 OF 1

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						CONCRETE	1.3'
5.0						Brown moist stiff SILT, little fine to coarse sand	
	5.0' - 6.5'	1		8/9 6	15		
10.0							10.0'
WL	10.0' - 11.5'	2		12/13 13	26	Brown wet very stiff SILT, little fine to coarse gravel, little fine to coarse sand	13.0'
15.0						Brown wet medium dense fine to medium SAND, trace silt	
	15.0' - 16.5'	3		8/8 5	13		
20.0						Bottom of Boring	16.5'
						Note: Installed 2" P.V.C. screen 15.0' to 10.0', riser to surface with roadway box cover.	



EARTH DIMENSIONS, INC.

Soil Investigations and Monitoring Well Installations

1091 Jamison Road • Elma, NY 14059 • (716) 655-1717

RECOVERY WELL
HOLE NO. 1-90 (RW)

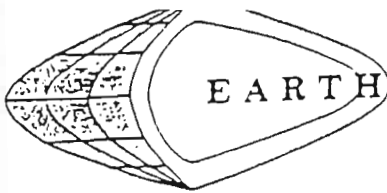
SURF. ELV. _____

PROJECT Continuous soil sampling and installation of new 6 inch recovery well, Agway Petroleum Products, East Aurora, NY. LOCATION 1.9 feet northwest of MW A

CLIENT AGWAY PETROLEUM PRODUCTS DATE STARTED 12/14/90 COMPLETED 12/14/90

DEPTH FEET	SAMPLE NO.	BLOWS ON SAMPLER					DESCRIPTION & CLASSIFICATION	WELL	WATER TABLE & REMARKS
		C	E	T	E	K			
							Cement pavement 0.45		Concrete to 0.45 feet
	1	2					Moist to extremely moist dark brown gravelly sandy loam (SILTY-SAND) fill with 20 to 40% gravel, very fine to fine size sand, little silt, compact in place, loose when disturbed 1.0	6" PVC Riser pipe 1" to 1.5" diameter 1.5" to 2" slot	over sand and gravel sub-base fill to 1.0 feet
			2						over silty soil fill with little gravel to 4.0 feet
				2					over coarse silty to silty soil fill with little gravel to 5.0 feet
					3				apparent clayey soil fill with little gravel to 8.5 feet
	2	2					Moist to extremely moist faintly mottled dark brown gravelly silt loam (CLAYEY-SILT) fill with 15 to 30% mostly shale gravel, little clay, soft		over apparent water sorted and deposited (possible fill) sand with little gravel and silt to 7.2 feet
			2						9.5 feet over apparent coarse silty glacial drift (possible fill) to 9.2 feet
5				2					11.0 feet over water sorted and deposited sand with little gravel, little to some silt to 13.0 feet
					4				sorted and deposited sand with trace silt to end of boring.
						5			
						7			
						12			
	4	3					Extremely moist to wet light olive gray gravelly silt loam (SANDY-SILT) tending toward silt loam (CLAYEY-SILT) fill with 15 to 30% mostly subangular shale gravel, little very fine size sand, trace to little clay, very loose and soft		
						6			
						3			
						6			
10						2			
						5			
						10			
						15			
						13			
	6	8					Extremely moist faintly mottled light gray shaly silty clay loam (CLAYEY-SILT) fill with 15 to 40% mostly angular to subangular shale gravel, some clay, stiff to firm		
						26			
						11			
	7	1					Wet dark gray gravelly sandy loam (SILTY-SAND) with 15 to 30% subrounded gravel, very fine to medium size sand, little silt, loose		
						3			
						5			
15						16			
						8			
						3			
						5			
	8	2					Moist to extremely moist mixed dark gray and light olive gray gravelly silt loam (SANDY-SILT) with 15 to 30% mostly subangular gravel, little very fine to fine size sand, compact		
						4			
						5			
						17			
	9	2					Extremely moist to wet dark gray gravelly sandy loam (SILTY-SAND) with 15 to 30% mostly subrounded to subangular gravel, very fine to medium size sand, little to some silt, compact, stratified, (noticed oil sheen on water)		
						3			
						6			
						3			
						4			
20						10			
						2			
						13			

clear transition to 3.0



EARTH DIMENSIONS, INC.

Soil Investigations and Monitoring Well Installations

1091 Jamison Road • Elma, NY 14059 • (716) 655-1717

RECOVERY WELL

HOLE NO. 1-90 continued (RW)

SURF ELV _____

PROJECT Continuous soil sampling and installation of new 6 inch recovery well, Agway Petroleum Products, East Aurora, NY LOCATION 1.9 feet northwest of MW A

4F88 CLIENT AGWAY PETROLEUM PRODUCTS

DATE STARTED 12/14/90 COMPLETED 12/14/90

DEPTH FEET	SAMPLE NO.	BLOWS ON SAMPLER					DESCRIPTION & CLASSIFICATION	VELOCITY	WATER TABLE & REMARKS		
		C	6	12	18	24			Internal	SPR	
							See previous sheet.	6" PVC riser pipe Concrete parallel slot	O.M. Readings		
	1	2				4			4.2	1.0-3.0	0.0
		2								3.0-5.0	0.0
			2							5.0-7.0	0.0
				2						at 6.0	0.0
					3					7.0-9.0	0.0
	2	2								9.0-11.0	0.0
		2				4				11.0-13.0	0.0
			2							13.0-15.0	0.0
	5	3	2							15.0-17.0	0.0
			5			12		17.0-19.0	0.0		
				7				19.0-20.0	0.0		
					6			(1) 17.7			
	4	3						9.2	(1) 550 fine size sand		
			3			6					
				3							
					3						
10	5	2									
		5				15					
			10								
				13							
	6	8									
			13			25					
				13							
					11						
	7	1									
			3								
				5		8					
15					6						
	8	2									
			1								
				4		5					
					7						
	9	2									
			3								
				3		6					
					4						
20	10	2						19.2	20.		
			3								

----- clear transition to ----- 13.0

Wet brown loamy sand (SAND) with very fine to fine size sand, trace silt, loose soil material tends to liquefy when disturbed, thinly bedded (noticed oil sheen on ground water) 20.0

Boring completed at 20.0 feet.

Water level at 11.5 feet below ground surface at completion.

N = NUMBER OF BLOWS TO DRIVE 2 - SPOON 12 " WITH 140 LB WT FALLING 30 PER BLOW

LOGGED BY Dale M. Gramza/Geologist - Greg H. Gili/Geologist SHEET 1A OF 1A

DATE

STARTED: 5-7-92FINISHED: 5-7-92**EMPIRE**

SOILS INVESTIGATIONS INC.

**SUBSURFACE
LOG**

BTA-92-100

BORING NO.: ESI-1SURF. ELEV.: 917.2 ±SHEET 1 OF 1PROJECT: Spill No. 9109437LOCATION: First Presbyterian ChurchCLIENT: NYSDEC Pin No. SP91343East Aurora, New York

DEPTH-FT.	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER					P. I. D.	SYMBOL	SOIL OR ROCK CLASSIFICATION	NOTES
			0-6	6-12	12-18	18-24	N				
0		1	1	4	3	6	7	BG-2.2	3.5" TOPSOIL Brown Clayey SILT, Some Sand, trace glass, trace roots (Moist, FILL) ----- Brown fine - coarse SAND and Silt, little fine Gravel (Moist, FILL) Contains trace brick ----- Brown fine - coarse SAND, little Silt, little Gravel (Moist-Wet, Loose) Contains trace silt, trace gravel (Wet) (Firm) ----- AUGER	Driller Notes Water at Approximately 11-feet Driller Notes "Running Sands" at 16-feet Auger from 18.0' to 20.0'	
		2	10	7	7	6	14	BG-2.3			
5		3	5	3	3	4	6	BG			
		4	8	6	6	7	12	BG			
		5	5	4	6	5	10	BG			
10		6	21	5	5	6	10	BG			
		7	8	7	7	5	14	BG			
15		8	5	6	6	6	12	BG			
		9	7	7	7	7	14	BG			
20		AUGER									
									Boring Complete at 20.0'	Free Standing Water Measured at 11' at Boring Completion	
									Ground Water Monitoring Well Installed at Boring Completion Well Tip Set at 18' below ground surface. Refer to Well Installation Diagram for Details	P.I.D. = Organic vapor measurements taken with a Photoionization Detector (PID). Measurements recorded in parts per million (ppm). BG = Background PID measurements = 1.5 - 1.8 ppm	
25											
30											
35											
40											

DRILLER: Ken FullerDRILL RIG: Acker ADIIMETHOD OF INVESTIGATION: ASTM D-1586 Using 4 - 1/4" Hollow Stem AugersWEATHER: Sunny; WarmCLASSIFIED BY: L.A. Zimmerman

DATE






STARTED: 5-7-92FINISHED: 5-7-92**EMPIRE**

SOILS INVESTIGATIONS INC.

**SUBSURFACE
LOG**

BTA-92-100

BORING NO.: ESI-2SURF. ELEV.: 918.1 ±SHEET 1 OF 1PROJECT: Spill No. 9109437LOCATION: First Presbyterian ChurchCLIENT: NYSDEC Pin No. SP91343East Aurora, New York

DEPTH-FT.	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER					P. I. D.	SYMBOL	SOIL OR ROCK CLASSIFICATION	NOTES	
			0	6	12	18	24					N
0		1	4	4	5	6	9	BG	 Black - Brown Sandy SILT, Some Cinders, trace slag (Moist, Fill)			
		2	4	4	6	11	10	BG				
5		3	4	12	9	10	21	BG- 2.8			 Brown Clayey SILT, Little Shale Rock Fragment (Moist, Medium)	
		4	7	7	8	6	15	BG				
		5	6	4	3	4	7	2.5- 3.0			 Contains occasional Medium Sand Lense (Moist - Wet) Contains Little Sand	
10		6	4	4	5	8	9	BG- 2.5				
		7	6	7	8	9	15	BG- 3.0			 Brown Fine -Coarse SAND, Some Clayey Silt, trace gravel Contains "AND" Fine - Coarse Gravel (Wet, Firm)	Driller Notes Water at Approximately 12-feet
15		8	22	13	13	15	26	BG				
		9	10	12	10	10	22	BG			 Contains Occasional Shale Rock Fragment Contains Little Silt, trace gravel (Loose)	Driller Notes "Running Sands" at Bottom of Hole
		10	10	4	7	7	11	BG				
20									Boring Complete at 20.0'	Free Standing Water Measured at 16.2' at Boring Completion P.I.D. = Organic vapor measurements taken with a Photoionization Detector (PID). Measurements recorded in parts per million (ppm). BG = Background PID Measurements = 1.8 - 2.4 ppm		
									Ground Water Monitoring Well Installed at Boring Completion Well Tip Set at 19' below ground surface Refer to Well Installation Diagram for Details			
25												
30												
35												
40												

DRILLER: Ken FullerDRILL RIG: Acker ADIIMETHOD OF INVESTIGATION: ASTM D-1586 Using 4 - 1/4" Hollow Stem AugersWEATHER: Sunny, WarmCLASSIFIED BY: L.A. Zimmerman

DATE

STARTED: 5-11-92FINISHED: 5-11-92**EMPIRE**

SOILS INVESTIGATIONS INC.

**SUBSURFACE
LOG**

BTA-92-100

BORING NO.: ESI-3SURF. ELEV.: 916.4 ±SHEET 1 OF 1PROJECT: Spill No. 9109437LOCATION: First Presbyterian ChurchCLIENT: NYSDEC Pin No. SP91343East Aurora, New York

DEPTH-FT.	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER					P. I. D.	SYMBOL	SOIL OR ROCK CLASSIFICATION	NOTES
			0-6	6-12	12-18	18-24	N				
0			AU	G	E	R			1' ASPHALTIC CONCRETE		
		1	7	7	8	6	15	BG-1.2	Brown Clayey SILT, Little Fine - Coarse Sand, trace gravel, trace broken rock fragment, trace brick (Moist, FILL)	PID reading 10.5 - 11 ppm inside augers with augers set at 10' Driller Notes Water at Approximately 10-feet	
5		2	5	5	5	3	10	BG-1.8			
		3	4	4	4	34	8	7.0-8.0	Brown Clayey SILT, Little Sand, occasional broken rock fragment (Moist, Medium)		
		4	7	5	5	5	10	13.7-14			
10		5	11	5	3	4	8	9.5-10	Brown Fine - Coarse SAND, Little fine Gravel, Little Silt (Wet, Loose) Contains "AND" Fine - Medium Gravel, trace silt (Firm)		
		6	5	7	12	8	19	2.5-3.0			
15		7	6	8	10	14	18	2.5-3.0			
		8	19	16	12	14	28	1.5-1.8			
20									Boring Complete at 18'	Free Standing Water measured at 15.5' at Boring Completion	
									Ground Water Monitoring Well Installed at Boring Completion Well Tip Set at 17' below ground surface Refer to Well Installation Diagram for Details	P.I.D = Organic vapor measurements taken with a Photoionization Detector (PID). Measurements recorded in parts per million (ppm). BG = Background PID measurements = 0.8 - 1.0 ppm	
25											
30											
35											
40											

DRILLER: Ken FullerDRILL RIG: Acker ADIIMETHOD OF INVESTIGATION: ASTM D-1586 Using 4 - 1/4" Hollow Stem AugersWEATHER: Sunny, WarmCLASSIFIED BY: L.A. Zimmerman

DATE

STARTED: 5-11-92FINISHED: 5-11-92**EMPIRE**

SOILS INVESTIGATIONS INC.

**SUBSURFACE
LOG**

BTA-92-100

BORING NO.: ESI-4SURF. ELEV.: 913.6 ±SHEET 1 OF 1PROJECT: Spill No. 9109437LOCATION: First Presbyterian ChurchCLIENT: NYSDEC Pin No. SP91343East Aurora, New York

DEPTH-FT.	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER					P. I. D.	SYMBOL	SOIL OR ROCK CLASSIFICATION	NOTES
			0	6	12	18	N				
0			AU	G	E	R			1' ASPHALTIC CONCRETE		
1		1	5	7	9	9	16	BG-	Brown Clayey SILT, Some Sand, occasional broken shale rock fragments (Moist, Medium)	Driller Notes Water at Approximately 8.5-feet	
2.5											
5		2	8	6	6	6	12	BG-	Contains occasional fine - medium Sand Parting		
2.4											
		3	8	7	5	5	12	BG-	Brown Fine - Coarse SAND, Some fine Gravel, Little Silt (Wet, Loose) Contains trace gravel, trace silt (Firm)		
2.6											
		4	3	5	6	9	11	BG	(Loose)		
2.5											
10		5	9	9	9	11	18	BG-	Boring Complete at 16.0'		
2.5											
		6	5	10	7	18	17	BG-	Ground Water Monitoring Well Installed at Boring Completion Well Tip Set at 15' below ground surface Refer to Well Installation Diagram for Details		
2.6											
15		7	4	4	4	7	8	BG-	Free Standing Water measured at 11.7' at Boring Completion P.I.D. = Organic vapor measurements taken with a Photoionization Detector (PID). Measurements recorded in parts per million (ppm). BG = Background PID measurements = 1.5 - 2.0 ppm		
3.0											
20											
25											
30											
35											
40											

DRILLER: Ken FullerDRILL RIG: Acker ADIIMETHOD OF INVESTIGATION: ASTM D-1586 Using 4 - 1/4" Hollow Stem AugersWEATHER: Sunny, WarmCLASSIFIED BY: L.A. Zimmerman

DATE
 STARTED: 5-8-92
 FINISHED: 5-8-92

EMPIRE

SOILS INVESTIGATIONS INC.

SUBSURFACE LOG

BTA-92-100

BORING NO.: ESI-5
 SURF. ELEV.: 912.9 ±
 SHEET 1 OF 1

PROJECT: Spill No. 9109437
 CLIENT: NYSDEC Pin No. SP91343

LOCATION: First Presbyterian Church
East Aurora, New York

DEPTH-FT.	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER					P.I.D.	SYMBOL	SOIL OR ROCK CLASSIFICATION	NOTES
			0	6	12	18	24				
0			AU	G	E	R			1' ASPHALTIC CONCRETE		
									6" SUBBASE STONE		
		1	9	7	7	11	14	BG	Brown Clayey Silt, Little Sand, trace broken shale fragment, trace cinder (Moist, FILL)	* No Recovery on Sample #3 Driller Notes Water at Approximately 8-feet	
		2	8	6	5	10	11	BG			
5		3	8	6	5	5	11	*			
		4	4	4	4	7	8	BG			
10		5	17	5	7	9	12	BG			
		6	7	7	10	13	17	BG			
		7	4	4	6	7	10	BG			
15									Boring Complete at 16'		
20									Ground Water Monitoring Well Installed at Boring Completion Well Tip Set at 15' below ground surface Refer to Well Installation Diagram for Details	Free Standing Water not measured at Boring Completion P.I.D. = Organic vapor measurements taken with a Photoionization Detector (PID). Measurements recorded in parts per million (ppm). BG = Background PID measurements = 1.5 - 2.0 ppm	
25											
30											
35											
40											

DRILLER: Ken Fuller

DRILL RIG: Acker ADII

METHOD OF INVESTIGATION: ASTM D-1586 Using 4 - 1/4" Hollow Stem Augers

WEATHER: Sunny, Warm

CLASSIFIED BY: L.A. Zimmerman

DATE





STARTED: 5-8-92FINISHED: 5-8-92**EMPIRE**

SOILS INVESTIGATIONS INC.

**SUBSURFACE
LOG**

BTA-92-100

BORING NO.: ESI-6SURF. ELEV.: 914.9 ±SHEET 1 OF 1PROJECT: Spill No. 9109437LOCATION: First Presbyterian ChurchCLIENT: NYSDEC Pin No. SP91343East Aurora, New York

DEPTH-FT.	SAMPLES	SAMPLE NO	BLOWS ON SAMPLER					P. I. D.	SYMBOL	SOIL OR ROCK CLASSIFICATION	NOTES
			0-6	6-12	12-18	18-24	N				
0		1	8	6	5	5	11	BG	 3" TOPSOIL Brown Clayey SILT, Little Sand, trace roots, trace cinders, trace brick (Moist, FILL)  Brown Fine - Medium SAND and Silt, trace gravel, trace clay (Moist, Loose) (Compact) Becomes Mottled (Firm) Contains Little Broken Shale Rock Fragments (Moist - Wet) Contains "AND" fine Gravel, trace silt (Wet, Firm) (Very Compact)  Boring Complete at 18'  Ground Water Monitoring Well Installed at Boring Completion Well Tip Set at 17' below ground surface Refer to Well Installation Diagram for Details	 Poor Recovery Sample #3 Driller Notes Water at Approximately 10-feet Driller notes "Running Sands" at bottom of hole	
		2	4	3	3	5	6	BG			
5		3	16	17	19	17	36	BG			
		4	10	10	9	6	19	BG			
		5	3	4	12	21	16	BG			
10		6	13	7	7	13	14	BG			
		7	16	11	13	13	24	BG			
15		8	30	88	16	14	104	BG			
		9	10	9	10	7	19	BG			
20											
25											
30											
35											
40											

DRILLER: Ken MillerDRILLING: Ken MillerMETHOD OF INVESTIGATION: ASTM D-1586 Using 4 - 1/4" Hollow Stem AugersWEATHER: Sunny, WarmCLASSIFIED BY: L.A. Zimmerman

PROJECT/LOCATION: AGWAY/Main Street, East Aurora, NY PROJECT #: 93-065
 CLIENT: Agway Energy WELL/BORING #: MW5 At G
 DATE STARTED: 2/12/93 DATE COMPLETED: 9/24/93 RECORDED BY: EAP MWIC
 GROUNDWATER DEPTH WHILE DRILLING: _____ AFTER COMPLETION: _____
 WEATHER: Sunny 55° DRILL RIG: Mobil D-40 (track) DRILLERS: Buffalo Drilling
 DRILL TYPE/SIZE: 3 3/4 Auger SAMPLER HAMMER: _____ WEIGHT: _____ FALL: _____

SAMPLE NO.	OVA/HNU READING	DEPTH OF SAMPLE (FEET)		SAMPLE TYPE	BLOWS ON SAMPLER PER 6"	N	AMOUNT	MATERIAL CLASSIFICATION (BURMISTER SYSTEM)
		FROM	TO					
S1	0.0	4	6	SS	8-6-4-4	10	50%	Brown fm SILT and CLAY some fm GRAVEL Mosit no odor
S2	193.2	9	11	SS	11-6-6-5	12	50%	Gray SILT and SAND Wet slight petro odor
S3	12.7	14	16	SS	1-6-11-15	17	100%	Brown fm SAND Wet no odor

REMARKS:

*SS-SPLIT SPOON SAMPLE U-UNDISTURBED TUBE P-PISTON TUBE C-CORE

Matrix Environmental Technologies Inc.

SUBSURFACE LOG

PROJECT/LOCATION: AGWAY/Main Street, East Aurora, NY PROJECT #: 93-065
 CLIENT: Agway Energy WELL/BORING #: MW6 A(-7)
 DATE STARTED: 2/12/93 DATE COMPLETED: 9/24/93 RECORDED BY: EAP
 GROUNDWATER DEPTH WHILE DRILLING: _____ AFTER COMPLETION: _____
 WEATHER: Sunny 55° DRILL RIG: Mobil D-40 (track) DRILLERS: Buffalo Drilling
 DRILL TYPE/SIZE: 3 3/4 Auger SAMPLER HAMMER: _____ WEIGHT: _____ FALL: _____

SAMPLE NO.	OVA/HNU READING	DEPTH OF SAMPLE (FEET)		SAMPLE TYPE	BLOWS ON SAMPLER PER 6"	N	AMOUNT	MATERIAL CLASSIFICATION (BURMISTER SYSTEM)
		FROM	TO					
S1	0.0	4	6	SS	18-13-16-16	29	25%	Brown fm SAND and SILT some mc GRAVEL Damp no odor
S2	94.3	9	11	SS	1-2-3-2	5	25%	Brown mc GRAVEL Wet slight petro odor
S3	12	15	17		WOR 5-10-6	15	100%	Brown fm SAND Wet slight petro odor

WATER @ 11.5'

REMARKS:

*SS-SPLIT SPOON SAMPLE U-UNDISTURBED TUBE P-PISTON TUBE C-CORE

SUBSURFACE LOG

PROJECT/LOCATION: AGWAY/Main Street, East Aurora, NY PROJECT #: 93-065
 CLIENT: Agway Energy WELL/BORING #: MW7 AG 2
 DATE STARTED: 2/12/93 DATE COMPLETED: 9/24/93 RECORDED BY: EAP
 GROUNDWATER DEPTH WHILE DRILLING: _____ AFTER COMPLETION: _____
 WEATHER: Sunny 55° DRILL RIG: Mobil D-40 (track) DRILLERS: Buffalo Drilling
 DRILL TYPE/SIZE: 3 3/4 Auger SAMPLER HAMMER: WEIGHT _____ FALL _____

SAMPLE NO.	OVA/HNU READING	DEPTH OF SAMPLE (FEET)		SAMPLE TYPE	BLOWS ON SAMPLER PER 6"	N	AMOUNT	MATERIAL CLASSIFICATION (BURMISTER SYSTEM)
		FROM	TO					
S1	0.0	4	6	SS	10-6-4-3	10	50%	Brown SILT and CLAY Dry no odor
S2	0.0	9	11	SS	4-6-10-8	16	75%	Brown fm SAND Damp no odor
S3	11.3	15	17	SS	5-8-7-12	15	75%	Brown mf SAND Wet no odor

REMARKS:

Matrix Environmental Technologies Inc.

SUBSURFACE LOG

PROJECT/LOCATION: AGWAY/Main Street, East Aurora, NY PROJECT #: 93-065
 CLIENT: Agway Energy WELL/BORING #: MWB AG 9
 DATE STARTED: 2/12/93 DATE COMPLETED: 9/24/93 RECORDED BY: EAP
 GROUNDWATER DEPTH WHILE DRILLING: _____ AFTER COMPLETION: _____
 WEATHER: Sunny 55° DRILL RIG: Mobil D-40 (track) DRILLERS: Buffalo Drilling
 DRILL TYPE/SIZE: 3 3/4 Auger SAMPLER HAMMER: WEIGHT FALL

SAMPLE NO.	OVA/HNU READING	DEPTH OF SAMPLE (FEET)		SAMPLE TYPE	BLOWS ON SAMPLER PER 6"	N	AMOUNT	MATERIAL CLASSIFICATION (BURMISTER SYSTEM)
		FROM	TO					
S1	0.0	4	6	SS	14-12-14-9	26	50%	Brown SILT and CLAY trace m GRAVEL (shale) Dry no odor
S2	0.0	9	11	SS	7-8-7-8	15	25%	Brown SILT and CLAY trace GRAVEL Moist no odor
S3	72.3	15	17	SS	2-5-7-5	12	100%	Brown SAND Wet slight petro odor

REMARKS:

*SS--SPLIT SPOON SAMPLE U--UNDISTURBED TUBE P--PISTON TUBE C--CORE

PROJECT/LOCATION: AGWAY/Main Street, East Aurora, NY PROJECT #: 93-065
 CLIENT: Agway Energy WELL/BORING #: MW9 A1510
 DATE STARTED: 2/12/93 DATE COMPLETED: 9/24/93 RECORDED BY: EAP
 GROUNDWATER DEPTH WHILE DRILLING: _____ AFTER COMPLETION: _____
 WEATHER: Sunny 55° DRILL RIG: Mobil D-40 (track) DRILLERS: Buffalo Drilling
 DRILL TYPE/SIZE: 3 3/4 Auger SAMPLER HAMMER: WEIGHT _____ FALL _____

SAMPLE NO.	OVA/HNU READING	DEPTH OF SAMPLE (FEET)		SAMPLE TYPE	BLOWS ON SAMPLER PER 6"	N	AMOUNT	MATERIAL CLASSIFICATION (BURMISTER SYSTEM)	
		FROM	TO					f-fine	m-medium

S1	140.3	4	6	SS	4-5-10-9	15	75%	Gray fm SILT and CLAY trace m GRAVEL Damp petro odor	
S2	140.6	9	11	SS	6-7-11-18	18	75%	Gray fm SILT and GRAVEL Damp petro odor	
S3	49.5	15	17	SS	3-5-8-9	13	75%	Gray mc SAND Wet petro odor	
								WATER @ 12'10"	

REMARKS:

*SS-SPLIT SPOON SAMPLE U-UNDISTURBED TUBE P-PISTON TUBE C-CORE



ecology and environment engineering, p.c.

International Specialists in the Environment

Buffalo Corporate Center

368 Pleasant View Dr.

Lancaster, New York 14086

Phone: 716-684-8060 Fax: 716-684-0844

RECEIVED

MAR 25 2004

NYSDEC REG 9

FOIL
 REL UNREL

Transmittal Form

WE ARE SENDING TO: Name: Mr. Greg Sutton

Company: New York State DEC, Region 9

Address: 270 Michigan Avenue, Buffalo, New York 14203

Attached

Under Separate Cover

Prints

Project Information

Shop Drawings

Photos

Copy of Approvals

Samples

Change Orders

Other (explain)

- Cost Estimate

-

-

-

Copies	Date	No.	Description
1	3/24/04	1	Monitoring Well Information Summary (1 page) Mr. C's Dry Cleaner Site
1	3/24/04	2	Monitoring Well Logs (70 pages) Mr. C's Dry Cleaner Site

WE ARE TRANSMITTING as checked below:

For Approval

As Requested

For Review and Comment

For Your Use

Returned from Loan

Other (explain)

Copies for Approval

Copies for Distribution

Corrected Prints

REMARKS: Greg, Site well data for your review. After your evaluation can we discuss your selection of well for decommissioning. We would like this information so we can provide the information on drilling procurement.

Signed: Michael G. Steffen
ecology and environment engineering, p.c.

Dated: 3/25/04

COPY TO: D. Chiusano, NYSDEC, Albany
R. Meyers, E&E, Buffalo
CTF 000699.NY.06.05