

RCRA RECORDS CENTER
FACILITY G & I
ID: 00000000000000000000000000000000
EPCRA 112
OWNER 213373

**MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT SUMMARY
FOR EAST STREET AREA 2/USEPA AREA 4**

VOLUME IV OF XII

**GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS**

AUGUST 1994

**BLASLAND, BOUCK & LEE, INC.
6723 TOWPATH ROAD
SYRACUSE, NEW YORK 13214**

SDMS DocID 000213373



GE-P
015835

MCP INTERIM PHASE II REPORT AND CURRENT ASSESSMENT SUMMARY
FOR EAST STREET AREA 2/USEPA AREA 4

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VOLUME IV OF XII

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Appendices



Appendix H

APPENDIX H
BORING LOGS AND MONITORING WELL
CONSTRUCTION FORMS

**PRE-MCP BORING LOGS AND
MONITORING WELL CONSTRUCTION FORMS**



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *GE*
LOCATION *East of State Man.*
DATE STARTED *8/7/80* DATE COMPLETED

HOLE NO. *3*
SURF. EL.
JOB NO.
GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING
REMOVED
AFTER CASING
REMOVED *20' in well*

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

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>sand gravel mix fill</i>	
						<i>silty sand + gravel silt soil</i>	<i>13'</i>
						<i>silty sand silt soil</i>	<i>20'</i>
<i>2' - 2" PVC screen</i>							<i>25'</i>
<i>5' 2" " pipe</i>							
<i>1' " "</i>							
<i>ROB 25</i>							



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *GE*
LOCATION *East of Pitts Road*

HOLE NO. *4*
SURF. EL.

DATE STARTED *8/7/80* DATE COMPLETED

JOB NO.
GROUND WATER DEPTH
WHILE DRILLING

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

BEFORE CASING
REMOVED

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
%OR — % CORE RECOVERY

AFTER CASING
REMOVED *21' in well*

CASING TYPE

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>sand gravel fill</i>	
						<i>sand + gravel to core</i>	<i>13'</i>
						<i>fu to med gravel some sand silty from 18'</i>	<i>19'</i>
<i>2" PVC screen</i>						<i>fu to med gravel some sand silty from 18'</i>	
<i>1" pipe</i>							
<i>1' curb box</i>							
						<i>BOB 25'</i>	

TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *GE*
LOCATION *Ext Rt Pettitfield Man*
DATE STARTED *7/1/80* DATE COMPLETED

HOLE NO. *5*
SURF. EL.
JOB NO.
GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING
REMOVED
AFTER CASING
REMOVED *20' 2" max*

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
"JR — % CORE RECOVERY

CASING TYPE _____ SHEET OF _____

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>sand & gravel fill</i>	<i>8</i>
						<i>sand & gravel for gravel</i>	<i>18'</i>
						<i>fracture or sand for gravel fill from 19'</i>	<i>25'</i>
<i>2" PVC casing</i>							
<i>2" 11" pipe</i>							
<i>curb top</i>							

BOR 25'



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *GE*
LOCATION *East of 32th Mass*
DATE STARTED *8/3/80* DATE COMPLETED

HOLE NO. *6*
SURF. EL.
JOB NO.
GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING
REMOVED
AFTER CASING
REMOVED *19.5 ft well*

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

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>sand gravel to 12' or wood</i>	
						<i>sand & gravel to 19' or boulders</i>	<i>12'</i>
						<i>only from 19'</i>	<i>25'</i>
<i>2"</i>	<i>PU</i>	<i>down</i>				<i>cut box</i>	
<i>11"</i>	<i>PU</i>	<i>pipe</i>					

BO R 25'



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *GE*

LOCATION *East of Little Mass*

DATE STARTED *8/8/80*

DATE COMPLETED

HOLE NO. *7*

SURF. EL.

JOB NO.

GROUND WATER DEPTH
WHILE DRILLING *23'*

BEFORE CASING
REMOVED

AFTER CASING
REMOVED *16' in well*

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

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>sand + gravel</i>	
						<i>band fr. sand + gravel some boulder</i>	<i>10</i>
						<i>very black oil with some sand & tar</i>	<i>25</i>
<i>0 to 2'</i>	<i>screen</i>					<i>DOB 25'</i>	
<i>1</i>	<i>"</i>	<i>pipe</i>					
<i>curb</i>	<i>top</i>						

TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *G E*
LOCATION *East of Pettit Mass*
DATE STARTED *4/11/80* DATE COMPLETED

HOLE NO. *9*
SURF. EL.
JOB NO.
GROUND WATER DEPTH
WHILE DRILLING *19'*
BEFORE CASING
REMOVED
AFTER CASING
REMOVED *17' in well*

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

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>1' alt</i>	
						<i>sand + gravel fill</i>	<i>4'</i>
						<i>sand gravel mixed fill</i>	
						<i>no sand for 20 or more 1 salt</i>	<i>19'</i>
						<i>appeared to be small amount of oil</i>	

1'-2" PVC casing
5" " pipe
1' curb box

D 0.25'



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *FE*
LOCATION *East of Northfield Mass*
DATE STARTED *8/12/80*

DATE COMPLETED

HOLE NO. *10*
SURF. EL.
JOB NO.
GROUND WATER DEPTH WHILE DRILLING *18'*
BEFORE CASING REMOVED
AFTER CASING REMOVED *16' in well*

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

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>sand gravel boulders + nice fill</i>	
						<i>for sand + gravel</i>	<i>13'</i>
						<i>spread to be cut at about 16'</i>	<i>20'</i>
<i>2"</i>						<i>PVC casing</i>	
<i>10"</i>						<i>pipe</i>	
						<i>cut key</i>	
						<i>BOB 20'</i>	

TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *SE*
LOCATION *East of Pittsford Mass*
DATE STARTED *8/12/80* DATE COMPLETED

HOLE NO. *11*
SURF. EL.
JOB NO.
GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING
REMOVED
AFTER CASING
REMOVED *17' in well*

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

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>sand gravel boulder wood & mica fill</i>	
						<i>sand & gravel appeared to be some oil</i>	<i>10'</i>
						<i>Refusal at 5' tried 3 times before getting down on hole</i>	<i>20'</i>
<i>2"</i>	<i>PVC screen</i>						
<i>0"</i>	<i>" pipe</i>						
<i>1' cut</i>	<i>Spig</i>						
						<i>BOB 20'</i>	



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *S. E. Plastic Pipe*
LOCATION *Pittsfield Mass.*
DATE STARTED *11/29/79* DATE COMPLETED

HOLE NO. *P14 S*
SURF. EL.
JOB NO.

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

GROUND WATER DEPTH
WHILE DRILLING

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
%IOR — % CORE RECOVERY

BEFORE CASING
REMOVED

AFTER CASING
REMOVED *4' in well*

CASING TYPE

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>no samples</i>	
							<i>15'</i>
						<i>5' screen</i>	
						<i>10' Plastic Pipe</i>	
						<i>1 curb box</i>	
						<i>2 curb boxes in holes that were done before by someone else.</i>	
						<i>B O B 15'</i>	

GUILD DRILLING CO., INC.

100 WATER STREET EAST PROVIDENCE, R. I.

to Parratt Wolff, Inc. ADDRESS East Syracuse, N.Y.
 PROJECT NAME Observation Wells @ G LOCATION Pittsfield, Mass.
 REPORT SENT TO above PROJ. NO. _____
 SAMPLES SENT TO Taken at Site OUR JOB NO. 80-265

SHEET 1 OF 1
 DATE _____
 HOLE NO. B-27-A
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS At <u>15'</u> after _____ Hours At _____ after _____ Hours	Rods "AW" Type _____ Size I.D. <u>2 1/4"</u> Hammer Wt. _____ Hammer Fall _____	CASING H/S/A _____ <u>2 1/4"</u> _____ _____	SAMPLER <u>S/S</u> <u>1 3/8"</u> <u>140#</u> <u>30"</u>	CORE BAR _____ _____ BIT	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right;">Date</td> <td style="text-align: left;"><u>3/7/80</u></td> <td style="text-align: right;">Time</td> <td style="text-align: left;">_____</td> </tr> <tr> <td>START</td> <td><u>3/7/80</u></td> <td></td> <td></td> </tr> <tr> <td>COMPLETE</td> <td><u>3/10/80</u></td> <td></td> <td></td> </tr> <tr> <td>TOTAL HRS.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>BORING FOREMAN</td> <td colspan="3"><u>D. Paquette</u></td> </tr> <tr> <td>INSPECTOR</td> <td colspan="3">_____</td> </tr> <tr> <td>SOILS ENGR.</td> <td colspan="3">_____</td> </tr> </table>	Date	<u>3/7/80</u>	Time	_____	START	<u>3/7/80</u>			COMPLETE	<u>3/10/80</u>			TOTAL HRS.				BORING FOREMAN	<u>D. Paquette</u>			INSPECTOR	_____			SOILS ENGR.	_____		
Date	<u>3/7/80</u>	Time	_____																														
START	<u>3/7/80</u>																																
COMPLETE	<u>3/10/80</u>																																
TOTAL HRS.																																	
BORING FOREMAN	<u>D. Paquette</u>																																
INSPECTOR	_____																																
SOILS ENGR.	_____																																

LOCATION OF BORING:

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc.	SAMPLE		
				From 0-6	To 6-12	To 12-18				No.	Pen	Rec.
								FILL				
		<u>5'-6'6"</u>	<u>D</u>	<u>19</u>	<u>13</u>	<u>18</u>		<u>8'</u>	<u>Sand & Gravel - FILL</u>	<u>1</u>	<u>18'</u>	<u>12"</u>
		<u>10'-11'6"</u>	<u>D</u>	<u>41</u>	<u>33</u>	<u>27</u>	<u>Very dense</u>	<u>14'</u>	<u>Fine Brown silty SAND & Gravel</u>	<u>2</u>	<u>18'</u>	<u>4"</u>
		<u>15'-16'6"</u>	<u>D</u>	<u>19</u>	<u>13</u>	<u>24</u>	<u>Dense</u>		<u>Brown fine silty SAND</u>	<u>3</u>	<u>18'</u>	<u>10"</u>
		<u>20'-21'6"</u>	<u>D</u>	<u>17</u>	<u>20</u>	<u>19</u>		<u>24'</u>	"	<u>4</u>	<u>18'</u>	<u>11"</u>
		<u>25'-26'6"</u>	<u>D</u>	<u>47</u>	<u>55</u>	<u>65</u>	<u>Very dense</u>		<u>Brown fine silty SAND & Gravel - (Till)</u>	<u>5</u>	<u>18'</u>	<u>10"</u>
		<u>30'-30'6"</u>	<u>D</u>	<u>71</u>				<u>31'6"</u>	<u>SAND & Gravel (Till)</u>	<u>6</u>	<u>6"</u>	<u>5"</u>
									<u>Refusal @ 31'6"</u> <u>Installed 1 1/2' well point & 25' black steel pipe</u> <u>1 water box</u>			

GROUND SURFACE TO 31'6" USED H/S/A "CASING: THEN Refusal

Sample Type
 D=Dry C=Cored W=Washed
 UP=Undisturbed Piston
 TP=Test Pit A=Auger V=Vane Test
 UT=Undisturbed Thinwall

Proportions Used
 trace 0 to 10%
 little 10 to 20%
 some 20 to 35%
 and 35 to 50%

140lb Wt. x 30" fall on 2" O.D. Sampler
 Cohesionless Density
 0-10 Loose
 10-30 Med. Dense
 30-50 Dense
 50+ Very Dense
 Cohesive Consistency
 0-4 Soft 30+ Hard
 4-8 M/Stiff
 8-15 Stiff
 15-30 V-Stiff

SUMMARY:
 Earth Boring 31'6"
 Rock Coring _____
 Samples 6
 HOLE NO. B-27-A



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT **GE Pittsfield**

HOLE NO. **27F**

LOCATION

SURF. EL

DATE STARTED **12/4/80**

DATE COMPLETED

JOB NO.

GROUND WATER DEPTH
WHILE DRILLING

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

BEFORE CASING
REMOVED

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
%OR — % CORE RECOVERY

AFTER CASING
REMOVED

CASING TYPE

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						Top Soil, moist Brown silt Gravel fill	2.0'
5						Moist Brown f/c Sand f/m gravel. trace silt	
10							
15							
20							20.1'
25						Wet Brown f/c Sand and mic gravel. trace of oily film.	25.2'
30						moist brown dense silt with some f/m embedded gravel	30.0'
						BOE Installed 20' slotted 2" 12' solid	

GUILD DRILLING CO., INC.

100 WATER STREET EAST PROVIDENCE, R. I.

SHEET 1 of 1
 DATE _____
 HOLE NO. B-27-B
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

TO Parratt Wolff, Inc. ADDRESS East Syracuse, N.Y.
 PROJECT NAME Observation Wells @ GE LOCATION Pittsfield, Mass.
 REPORT SENT TO above PROJ. NO. _____
 SAMPLES SENT TO Taken At Site OUR JOB NO. 80-265

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At <u>15'</u>	after _____ Hours	Type _____	H/S/A	_____	_____	START <u>3/10/80</u>	_____ a.m.
At _____	after _____ Hours	Size I.D. <u>2 1/4"</u>	_____	_____	_____	COMPLETE <u>3/10/80</u>	_____ p.m.
		Hammer Wt. _____	_____	_____	_____	TOTAL HRS. _____	
		Hammer Fall _____	_____	_____	BIT	BORING FOREMAN <u>D. Paquette</u>	
						INSPECTOR _____	
						SOILS ENGR. _____	

LOCATION OF BORING:

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc.	SAMPLE		
				From 0-6	6-12	12-18				No.	Pen	Rec.
		<u>0'-20'</u>							SAND & Gravel			
								20'	Bottom of Boring 20' 5' P.V.C. screen & 15' White P.V.C.			

GROUND SURFACE TO 20' USED H/S/A "CASING: THEN _____

Sample Type D=Dry C=Cored W=Washed UP=Undisturbed Piston TP=Test Pit A=Auger V=Vane Test UT=Undisturbed Thinwall	Proportions Used trace 0 to 10% little 10 to 20% some 20 to 35% and 35 to 50%	140 lb Wt. x 30" fall on 2" O.D. Sampler Cohesionless Density 0-10 Loose 10-30 Med. Dense 30-50 Dense 50+ Very Dense	Cohesive Consistency 0-4 Soft 30+ Hard 4-8 M/Stiff 8-15 Stiff 15-30 V-Stiff	SUMMARY: Earth Boring <u>20'</u> Rock Coring _____ Samples _____
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HOLE NO B-27-B



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT **GE Pittsfield**
LOCATION

HOLE NO. **26 F**
SURF. EL.

DATE STARTED **12/2/80** DATE COMPLETED **12/3/80**

JOB NO.
GROUND WATER DEPTH
WHILE DRILLING

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

BEFORE CASING
REMOVED

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
% OR — % CORE RECOVERY

AFTER CASING
REMOVED

CASING TYPE

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5						2" Topsoil moist, brown silt fill with sand and fine gravel	
	10					moist, black (stained); heterogeneous mixture of silt, sand and cobbles (coal tar)	5.5
		10-11	1				Slag and Cinder
11-12							
12-13	2		4.5				
15	13-14			8.8		Dry, brown, coarse-grained, gravelly sand; abundant rock fragments. Wet and sticky (black tar) at 18'	13.5
	14-15	3		4.4			
	15-16			4.4			
20	16-17	4		5.14		wet, gray, micaceous silt; oily (coal tar); organic material disseminated w/in	19'
	17-18			7.6			
	18-19	5		4.5			
25	19-20			8.9		wet, greenish-gray, poorly sorted sand and pebble gravel	23.5
	20-21	6		6.4			
	21-22			4.4			
25	22-23	7		6.9		Moist, brown, dense silt w/ embedded gravel	26
	23-24			2.6			
						BOB+BOW 28.5'	
						20' 2" PVC screen	
						10' 2" PVC pipe	
						(1.5' stick-up)	



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT **GE**
 LOCATION **Pittsfield**
 DATE STARTED **11/20** DATE COMPLETED **11/26**

HOLE NO. **2081**
 SURF. EL.
 JOB NO.
 GROUND WATER DEPTH
 WHILE DRILLING
 BEFORE CASING
 REMOVED
 AFTER CASING
 REMOVED

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

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5						Black moist cinders + wood, steel, fill - etc	10'
15	0-12			5-6		Brown moist 4/10 dense s/c sand trace of silt	15 1/2'
	12-14	2		6-7			
	14-16	3		5-6			
20	16-18	4		5-5		Brown wet 4/10 dense s/c sand, trace of Pent trace of wood	30'
	18-20	5		6-6			
	20-22	6		5-5			
25	22-24	7		4-2		Running sand 4 pin Auger's 5ft after sample #9	B.O.B
	24-26	8		2-3			
30	26-28	9		11-7			
				7-8			
				10-10			
				7-7			
				8-12			
				10-10			
				11-12			



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT **GE**
LOCATION **Pittsfield**
DATE STARTED **12/1/80**

DATE COMPLETED **12/1/80**

HOLE NO. **2/F**
SURF. EL.
JOB NO.
GROUND WATER DEPTH WHILE DRILLING **14'**
BEFORE CASING REMOVED
AFTER CASING REMOVED

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

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						1.5" Blacktop	
						10" HARD CONCRETE	1'
5						moist, brown-black, cobble fill - wire, wood, brick, etc...	
10						moist, brown, micaceous silt; v. loose; tr. gravel; lenses of coarse sand and fine pebble gravel	7'
15		1		2, 2		wet, brown, poorly sorted, gravelly sand - gravel clasts > 1.5" across - abundant metamorphic rock fragments -	14'
		2		2, 2			
		3		5, 4			
20		4		4, 4		wet, gray, coarse-grained sand with lenses of pebble gravel - sand running up augers - end of sampling - 21'	19.5'
		5		5, 5			
		6		4, 5			
				8, 8			
				7, 8			
						BOB 21	
						50W 20	
						10' 2" PVC screen	
						10' 2" PVC pipe	
						1 curb box	

PROJECT **GE Pittsfield**

HOLE NO. **22F**

LOCATION

SURF. EL

DATE STARTED **12/3/80** DATE COMPLETED

JOB NO.

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

GROUND WATER DEPTH
WHILE DRILLING

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
%OR — % CORE RECOVERY

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

CASING TYPE

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5						1" Topsoil	
						Moist, brown, coarse-grained sand; pockets of granule and pebble gravel	
10						moist, black, poorly sorted gravelly sand; wire, metal and other exotic items	7'
15	10.5-12.1	1		7-7 8-9			
	12.1-17.8	2		6-5 5-5			
	17.8-19.0	3		6-9 9-10			14.5
20	19.0-20.5	4		6-5 5-4		moist, blue-gray silt with organic material - micaceous - tan smell	
	20.5-22.0	5		4-5 8-10			19
	22.0-22.8	6		4-6 9-9		Moist, gray, medium-grained sand; coarsening with depth smell and stain	
25	22.8-24.8	7		5-7 9-10			
	24.8-26.0	8		9-14 11-19			24.5
30	26.0-28.0	9		11-19 25-33		Moist, brown, silt w/ embedded gravel	
						BOB 28'	
						BOW 27	
						10' 2" PVC Screen	
						18.5' 2" PVC Pipe (1.5' stick-up)	



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT **GE Pittsfield**

HOLE NO. **23F**

LOCATION

SURF. EL

DATE STARTED **12/4/80** DATE COMPLETED

JOB NO.

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

GROUND WATER DEPTH
WHILE DRILLING

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
%OR — % CORE RECOVERY

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

CASING TYPE SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5						Moist, brown, silt and fine gravel fill with wood, wire, metal, etc...	8.5'
10						Moist, black, medium dense silt with embedded gravel; tan smell,	14'
	10-11	1		12, 17			
	11-12			12, 14			
15	12-13	2		10, 9		Moist (wet after 19'), medium-dense, gray poorly sorted gravelly sand; oil stain and smell - coarse gravel > 2" across	29
	13-14			7, 9			
	14-15	3		13, 20			
20	15-16			30, 24		BOB 30' 20' 2" PVC Screen Pipe BOW 28' 8' 2" PVC Pipe	
	16-17	4		20, 19			
	17-18			19, 17			
25	18-19	5		16, 15			
	19-20			20, 20			
	20-21	6		20, 24			
30	21-22			20, 80/1			
	22-23						
	23-24	BOULDER					
30	24-25	7		10, 11			
	25-26			11, 12			
	26-27	8		15, 18			
30	27-28			23, 17			
	28-29	9		17, 20			
	29-30			27, 35			



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT

HOLE NO. B-248

LOCATION

SURF. EL.

DATE STARTED

DATE COMPLETED

JOB NO.

GROUND WATER DEPTH
WHILE DRILLING

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

BEFORE CASING
REMOVED

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
%OR — % CORE RECOVERY

AFTER CASING
REMOVED

CASING TYPE

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 8"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
40	40-41	8		33	67		
45	45-45.5	9		73			
50	50-50.2	10		100			
						Augered to 53'	
						installed well to 51'	
						5' 2" pvc screen	
						46' 2" pvc pipe	
						1 threaded cap assembly	
						1 coupler	
						installed valve box	
						B.O.B. 53'	



TEST BORING LOG

FISHERT, JAD
EAST SYRACUSE, N.Y. 13057

PROJECT

HOLE NO. *B 16 D*

LOCATION

SURF. EL.

DATE STARTED

DATE COMPLETED

JOB NO.

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

GROUND WATER DEPTH
WHILE DRILLING

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
%OR — % CORE RECOVERY

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

CASING TYPE

SHEET 2 OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	<i>10' 41"</i>	<i>8</i>		<i>3 4</i>		<i>grey wet med fine sand some wet 7' of sand coming off sides unable to get more samples</i>	
						<i>120' steel pipe 1 1/4" + 5' steel point 5" 1 curb box</i>	
						<i>Refusal on augers at 125' unable to turn more.</i>	
						<i>808 / 25'</i>	



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *4 E Electric Div*
LOCATION *Pittsfield Mass*
DATE STARTED *2/21/80* DATE COMPLETED

HOLE NO. *B16D*
SURF. EL.
JOB NO.

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
%QR — % CORE RECOVERY

GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING
REMOVED
AFTER CASING
REMOVED

CASING TYPE

SHEET / OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
	<i>5' 5.5"</i>	<i>1</i>		<i>2 4</i>		<i>spoon with gravel boulders sand gravel with pebbles</i>	
	<i>10' 11"</i>	<i>2</i>		<i>2 3</i>		<i>fine with small silt / gravel some organic</i>	<i>9'</i>
	<i>15' 16"</i>	<i>3</i>		<i>4 5</i>		<i>gray calc. med. silt / gravel with gravel</i>	<i>15'</i>
	<i>20' 21"</i>	<i>4</i>		<i>2 5</i>			
	<i>25' 26"</i>	<i>5</i>		<i>2 3</i>		<i>brn med silt / Peat</i>	<i>25' 0"</i>
	<i>30' 31"</i>	<i>6</i>		<i>2 2</i>		<i>gray clay</i>	<i>31'</i>
	<i>35' 36"</i>	<i>7</i>		<i>2 3</i>			



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT **GE Pittsfield**

HOLE NO. **16 F**

LOCATION

SURF. EL

DATE STARTED **12/1/80** DATE COMPLETED **12/2/80**

JOB NO.

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

GROUND WATER DEPTH
WHILE DRILLING

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
% OR — % CORE RECOVERY

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

CASING TYPE

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5						Moist, brown, v. loose gravel and silt fill	
10							9'
15	11-12			10.1		white silty v/dense Buser	
	12-13					moist, gray, poorly sorted sand w/ quartz cobbles and boulders; thin (2-4") layers of brown peat near top of unit - wet after 16'	
	13-14						
	14-15	2		3.3			
	15-16			3.3			
	16-17	3		6.6			
	17-18			5.4			
20	18-19	4		4.4			
	19-20			6.6			
	20-21	5		4.5			
	21-22			5.5			
25						- Sand up auger	
						BOB - 25'	
						BCU - 25'	
						10' 2" PVC screen	
						15' 2" PVC Pipe	
						1 CURB BOX	

GUILD DRILLING CO., INC.

100 WATER STREET EAST PROVIDENCE, R I

SHEET 1 of 1
 DATE _____
 HOLE NO. B-160
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

TO Parratt Wolff, Inc. ADDRESS East Syracuse, N.Y.
 PROJECT NAME Observation Wells @ GE LOCATION Pittsfield, Mass.
 REPORT SENT TO above PROJ. NO. _____
 SAMPLES SENT TO Taken at Site OUR JOB NO. 80-265

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR	Date	Time
At <u>7'3"</u>	after <u>Comp</u>	Hours	Type <u>NW-BW</u>	_____	_____	START <u>3/13/80</u>	_____ a.m.
At _____	after _____	Hours	Size I.D. _____	_____	_____	COMPLETE <u>3/18/80</u>	_____ p.m.
			Hammer Wt <u>300#</u>	_____	_____	TOTAL HRS. _____	_____ a.m.
			Hammer Fall <u>2 1/4"</u>	_____	_____	BORING FOREMAN <u>J. Phillips</u>	
				_____	_____	INSPECTOR _____	
				_____	_____	SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc.	SAMPLE		
				From 0-6	To 6-12	To 12-18				No	Pen	Rec
		<u>0'-80'</u>							<u>NW casing to 80'</u>			
		<u>80'-150'</u>	<u>2 15/16" roller bit</u>						<u>Cobbles fell in mudded hole @ 96'</u>			
		<u>86'-150'</u>	<u>Drilled in</u>						<u>Drilled BW casing w/Econo casing bit 96'</u>			
									<u>150' w/mud</u>			
									<u>Installed:</u>			
									<u>6' steel well point (1 1/2")</u>			
									<u>145' steel riser pipe (1 1/4")</u>			
									<u>Gate box</u>			

GROUND SURFACE TO _____		USED _____		"CASING: THEN _____	
Sample Type	Proportions Used	140lb Wt. x 30" fall on 2" O.D. Sampler		SUMMARY:	
D=Dry C=Cored W=Washed	trace 0 to 10%	Cohesionless Density	Cohesive Consistency	Earth Boring	<u>150'</u>
UP=Undisturbed Piston	little 10 to 20%	0-10 Loose	0-4 Soft 30+ Hard	Rock Coring	_____
TP=Test Pit A=Auger V=Vane Test	some 20 to 35%	10-30 Med. Dense	4-8 M/Stiff	Samples	_____
UT=Undisturbed Thinwall	and 35 to 50%	30-50 Dense	8-15 Stiff		
		50+ Very Dense	15-30 V-Stiff		

HOLE NO B-160



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *GE Pittsfield*

HOLE NO. *17F*

LOCATION

SURF. EL

DATE STARTED *12/2/80* DATE COMPLETED *12/2/80*

JOB NO.

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

GROUND WATER DEPTH
WHILE DRILLING

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
%OR — % CORE RECOVERY

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

CASING TYPE

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE-DEPTH
5						1" Topsoil moist, black cinder f. //	4'
						Moist, brown, gravel (pebbles and cobble) with silt matrix thin (1-2") layers of clayey silt w/organic material.	
10	10-11	1		1, 2.8		Moist, blue-gray silt with embedded gravel	11'
	11-12			6, 6			
	12-13	2		3, 3			
	13-14			4, 5			
	14-15	3		4, 14			
15	15-16			12, 12		Moist, gray silt with thin (1") brown peat layers and disseminated organic material.	13'
	16-17	4		17, 12			
	17-18			14, 16			
	18-19	5		6, 6			
	19-20			4, 6			
	20-21	6		4, 5			
	21-22			6, 12			
20	22-23	7		8, 8		Moist, bluish-gray, poorly-sorted, gravelly sand / med. dense layers of gray, fairly homogeneous coarse-grained sand present - wet at 18' -	14.5'
	23-24			9, 12			
						BOB 25'	
						10' 2" PVC Screen	
						15' 2" PVC PIPE	
						1 CURB BOX	

PROJECT **GE Pittsfield**

HOLE NO. **24F**

LOCATION

SURF. EL

DATE STARTED **12/3/80** DATE COMPLETED **12/3/80**

JOB NO.

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

GROUND WATER DEPTH
WHILE DRILLING **~17'**

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
%OR — % CORE RECOVERY

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

CASING TYPE

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5						1.5" Topsoil moist, brown, poorly sorted gravelly sand	3'
						moist, black cinder and gravel fill - tar smell	
10						moist, brown, heterogeneous mix of sand, silt & fine gravel	7'
15	10-11	1		2, 3			15.5
	11-12			8, 8			
	12-13	2		8, 8			
	13-14			9, 9			
	14-15	3		8, 7			
20	15-16			2, 5		moist, blue-gray, poorly sorted, gravelly sand; abundant rock fragments (metamorphics) wet ~17' - oily	24.5
	16-17	4		5, 6			
	17-18			5, 4			
	18-19	5		5, 8			
	19-20			9, 10			
25	20-21	6		6, 7		Moist, brown, medium-dense silt w/ embedded gravel -	24.5
	21-22			6, 7			
	22-23	7		8, 10			
	23-24			7, 8			
	24-25	8		9, 13			
	25-26			13, 14			
						BOB 28.5'	
						BOW 28.5'	
						20' 2" PVC Screen	
						10' 2" PVC pipe	
						1.5' Stick-up	



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT wells G.E.

LOCATION Pittsfield mass

DATE STARTED 2/6/80

DATE COMPLETED 2/7/80

HOLE NO. B-27-B

SURF. EL.

JOB NO.

GROUND WATER DEPTH
WHILE DRILLING

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

9' in
Screen +
Pipe

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

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5	5'-6'	1		5 8 13		Topsoil (Frost-3') Brown moist m/dense f/c sand little silt some f/c gravel cobbles	6'
10	10-11	2		8 - 6 14			
15	15-16	3		6 10 16			
20	20-21	4		9 10 19		Brown - wet m/dense f/c sand Some f/c gravel Trace silt cobbles	15.5'
25	25-26	5		9 - 12 21		Brown - wet m/dense f/c sand some silt little f/c gravel	20.4'
30	30-31	6		16 19 35		Brown wet Dense f/c sand little silt	28'
35	35-36	7		34 47 70		Brown wet Dense f/c sand Some silt some f/c gravel	33'



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *G.F. Field*
LOCATION *Pittsfield*
DATE STARTED *11/25* DATE COMPLETED *11/26*

HOLE NO. *1085*
SURF. EL.
JOB NO.
GROUND WATER DEPTH WHILE DRILLING *10'*
BEFORE CASING REMOVED
AFTER CASING REMOVED

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

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
10						Black moist, cinders, wood paper, steel-etc	10.85
15	10-12	1		50-60		Black wet stiff silt, + peat	14
	11-13			11-15			
	12-14	2		6-7 4-5			
20	15-17	3		1-1 2-1		Black moist soft peat + silt	14
	17-19	4		6-7			
	19-21	5		10-9 3-4 2-4			
25	21-23	6		5-5 2-7		Black wet only s/c sand + s/gravel	25
		7		4-5 0-5			
						Brown wet m/pense s/c sandy little s/m gravel	27
						Instable 15' 2" PVC s.s + 91 2" PVC Bottom of well 24.5' 1" gate top	



**parratt
Wolff Inc**

TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *AE*
LOCATION *East of Pittsfield Mass*
DATE STARTED *8/1/80* DATE COMPLETED

HOLE NO. *33*
SURF. EL.
JOB NO.
GROUND WATER DEPTH
WHILE DRILLING
BEFORE CASING
REMOVED
AFTER CASING
REMOVED *17.5' for well*

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

CASING TYPE

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>sand & gravel some boulders</i>	
<i>2"</i>	<i>PVC screen</i>						
<i>2"</i>	<i>" pipe</i>						
<i>curve top</i>							
						<i>no oil smell</i>	<i>20</i>
						<i>appeared to be very light smell of oil from 15'</i>	
						<i>with of RR tracks west of road.</i>	
						<i>BOB 20'</i>	

GUILD DRILLING CO., INC.

100 WATER STREET EAST PROVIDENCE, R I

SHEET 1 of 1
 DATE _____
 HOLE NO. B-33A
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

TO Parratt Wolff, Inc. ADDRESS East Syracuse, N.Y.
 PROJECT NAME Observation Wells @ GE LOCATION Pittsfield, Mass.
 REPORT SENT TO above PROJ. NO. _____
 SAMPLES SENT TO Taken at Site OUR JOB NO. 80-265

GROUND WATER OBSERVATIONS				Rods "AW"	CASING	SAMPLER	CORE BAR.	Date	Time
At <u>9'2"</u>	after <u>Comp</u> Hours	Type	<u>H/S/A</u>	<u>S/S</u>		START	<u>3/10/80</u>		a.m.
At _____	after _____ Hours	Size I.D.	<u>2 1/4"</u>	<u>1 3/8"</u>		COMPLETE	<u>3/10/80</u>		p.m.
		Hammer Wt		<u>140W</u>		TOTAL HRS.			a.m.
		Hammer Fall		<u>30"</u>		BORING FOREMAN	<u>J. Phillips</u>		
						INSPECTOR			
						SOILS ENGR.			

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist.	Strata Change Elev	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc.	SAMPLE		
				From 0-6	6-12	To 12-18				No	Pen	Rec
		<u>5'-6'6"</u>	<u>D</u>	<u>6</u>	<u>12</u>	<u>10</u>			<u>Brown fine to coarse Sand & Gravel, tr.peat, tr.cobbles, tr.silt - FILL</u>	<u>1</u>	<u>18'</u>	<u>12"</u>
		<u>10'-11'6"</u>	<u>D</u>	<u>3</u>	<u>5</u>	<u>6</u>				<u>2</u>	<u>18'</u>	<u>12"</u>
		<u>15'-16'6"</u>	<u>D</u>	<u>7</u>	<u>8</u>	<u>8</u>		<u>15'</u>	<u>Light Brown fine SAND, some silt</u>	<u>3</u>	<u>18'</u>	<u>14"</u>
		<u>20'-21'6"</u>	<u>D</u>	<u>11</u>	<u>13</u>	<u>15</u>		<u>20'</u>	<u>Light Brown fine to medium SAND, little silt</u>	<u>4</u>	<u>18'</u>	<u>14"</u>
		<u>25'-26'6"</u>	<u>D</u>	<u>7</u>	<u>9</u>	<u>7</u>		<u>25'</u>	<u>Light Brown fine to coarse SAND, little silt</u> <u>Unable to sample after 25' - sand running into augers</u>	<u>5</u>	<u>18'</u>	<u>10"</u>
								<u>51'</u>	<u>Bottom of Boring 51' installed:</u> <u>6' steel well point (1 1/2")</u> <u>46' steel riser pipe (1 1/4")</u> <u>Gate box</u>			

GROUND SURFACE TO _____ USED H/S/A "CASING: THEN

Sample Type D=Dry C=Cored W=Washed UP=Undisturbed Piston TP=Test Pit A=Auger V=Vane Test UT=Undisturbed Thinwall	Proportions Used trace 0 to 10% little 10 to 20% some 20 to 35% and 35 to 50%	140lb Wt. x 30" fall on 2" O.D. Sampler Cohesionless Density 0-10 Loose 10-30 Med. Dense 30-50 Dense 50+ Very Dense	Cohesive Consistency 0-4 Soft 30+ Hard 4-8 M/Stiff 8-15 Stiff 15-30 V-Stiff	SUMMARY: Earth Boring <u>51'</u> Rock Coring _____ Samples <u>5</u> HOLE NO <u>B-33A</u>
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GUILD DRILLING CO., INC.

100 WATER STREET EAST PROVIDENCE, R. I.

TO Perratt Wolff, Inc. ADDRESS East Syracuse, N.Y.
 PROJECT NAME Observation Wells @ GE LOCATION Pittsfield, Mass.
 REPORT SENT TO above PROJ. NO. _____
 SAMPLES SENT TO Taken at Site OUR JOB NO. 80-265

SHEET 1 OF 1
 DATE _____
 HOLE NO. B-338
 LINE & STA. _____
 OFFSET _____
 SURF. ELEV. _____

GROUND WATER OBSERVATIONS			CASING	SAMPLER	CORE BAR.	Date	Time
At <u>9'2"</u>	after <u>Comp</u> Hours	Type _____	<u>H/S/A</u>	_____	_____	START <u>3/11/80</u>	a.m.
At _____	after _____ Hours	Size I.D. <u>2 1/2"</u>	_____	_____	_____	COMPLETE <u>3/11/80</u>	p.m.
			Hammer Wt. _____	_____	BIT _____	TOTAL HRS. _____	
			Hammer Fall _____	_____	_____	BORING FOREMAN <u>J. Phillips</u>	
				_____	_____	INSPECTOR _____	
				_____	_____	SOILS ENGR. _____	

LOCATION OF BORING

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 5" on Sampler			Moisture Density or Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc.	SAMPLE		
				From	To					No.	Pen	Rec.
		<u>0' - 20'</u>		0-6	6-12	12-18			<u>H/S/A to 20'</u>			
									<u>Installed:</u>			
									<u>5' slot.P.V.C. (2")</u>			
									<u>15' P.V.C. Riser pipe (2")</u>			
									<u>Gate box</u>			
								<u>20'</u>				
									<u>Bottom of Boring 20'</u>			

GROUND SURFACE TO 20' USED H/S/A "CASING: THEN _____

Sample Type D=Dry C=Cored W=Washed UP=Undisturbed Piston TP=Test Pit A=Auger V=Vane Test UT=Undisturbed Thinwall	Proportions Used trace 0 to 10% little 10 to 20% some 20 to 35% and 35 to 50%	140lb Wt. x 30" fall on 2" O.D. Sampler Cohesionless Density 0-10 Loose 10-30 Med. Dense 30-50 Dense 50+ Very Dense	Cohesive Consistency 0-4 Soft 30+ Hard 4-8 M/Stiff 8-15 Stiff 15-30 V-Stiff	SUMMARY: Earth Boring <u>20'</u> Rock Coring _____ Samples _____
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HOLE NO. B-338



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *HE*
LOCATION *E Street Battell Mass*
DATE STARTED *6/30/80* DATE COMPLETED

HOLE NO. *38?*
SURF. EL. *no number*
JOB NO.
GROUND WATER DEPTH
WHILE DRILLING *25'*
BEFORE CASING
REMOVED
AFTER CASING
REMOVED *20'*

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

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>8 Bl top</i>	
						<i>stone or gravel</i>	<i>2</i>
						<i>sand gravel + silt</i>	
						<i>S.E. Bldg.</i>	
						<i>Bldg 124</i>	
						<i>oil at 25'</i>	
							<i>30'</i>
						<i>apparel to hole gone through sewer line at about 20' of water running through boring</i>	
						<i>008 30' 104W 30'</i>	



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT G.E. - Plastic Ponds
LOCATION Merrill Ave
Pittsfield, N.Y.
DATE STARTED 3/4/80

DATE COMPLETED 3/4/80

HOLE NO. 34A

SURF. EL.

JOB NO.

GROUND WATER DEPTH
WHILE DRILLING 15.0

BEFORE CASING
REMOVED 26.0

AFTER CASING
REMOVED 15.0

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 HSA - 3 1/4" I.D.

SHEET 1 OF 2

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						lt. tan, dry, F/M GRAVEL + SILT	3.0
5.0						tan, dry, loose SILT, tr. f/gravel, tr. f/sand	9.0
	5'-6.5'	1		5-5 4			
10.0							
	10'-11.5'	2		4-8 6		Stone wedged in spoon nose lt. tan, dry, med. dense SILT, little f/sand, tr. f/c gravel	
15.0						note: sample wet @ 16'	
	15'-16.5'	3		8-9 7			
20.0							
	20'-21.5'	4		7-11 16			
25.0							
	25'-25.5'	5A		7-13			25.5
	25.5'-26.5'	5B		16		lt. tan, wet, med. dense M/F SAND + F/C GRAVEL, tr. silt	28.0
30.0							
	30'-31.5'	6		17-24 28		lt. tan, wet, dense F/SAND + SILT, tr. f/c gravel	
35.0							
	35'-36.5'	7		18-20 26			
40.0							

PROJECT *G.E.*

HOLE NO. *34A*

LOCATION *Pittsfield, Ma.*

SURF. EL

DATE STARTED *3/4/80*

DATE COMPLETED *3/4/80*

JOB NO.

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

GROUND WATER DEPTH
WHILE DRILLING

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
%OR — % CORE RECOVERY

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

CASING TYPE

SHEET 2 OF 2

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
45.0						lt. tan, wet, dense f/SAND + SILT, tr. f/c gravel some f/c gravel	
50.0							
55.0						B.O.B.	51.0'
						<p>Note: 1. I installed 1 1/4" wellpoint with riser pipe. Total length = 50.10'</p> <p>2. I installed Gate Box</p>	
	Point			5.90			
	Cpls			.20			
				6.10			
	1 1/4" Pipe			9.80			
	Cpls			.20			
				16.10			
	Pipe			10.35			
	Cpls			.20			
				26.65			
	Pipe			9.80			
	Cpls			.20			
				36.65			
	Pipe			9.85			
	Cpls			.20			
				46.85			
	Pipe			3.30			
	C			50.10			

GUILD DRILLING CO., INC.

100 WATER STREET EAST PROVIDENCE, R. I.

SHEET 1 OF 1

DATE _____

HOLE NO. B-36A

LINE & STA. _____

OFFSET _____

SURF. ELEV. _____

TO Parratt Wolff, Inc. ADDRESS East Syracuse, N.Y.
 PROJECT NAME Observation Wells @ GE LOCATION Pittsfield, Mass.
 REPORT SENT TO above PROJ. NO. _____
 SAMPLES SENT TO Taken at Site OUR JOB NO. 80-265

GROUND WATER OBSERVATIONS				RODS "AW"	CASING	SAMPLER	CORE BAR	Date		Time
At	_____	after	_____					START	COMPLETE	
At	<u>10'</u>	after	<u>Comp</u>	Type	<u>H/S/A</u>	<u>5/S</u>	_____	START	<u>3/11/80</u>	_____
At	_____	after	_____	Size I.D.	<u>2 1/2"</u>	<u>1 3/8"</u>	_____	COMPLETE	<u>3/11/80</u>	_____
				Hammer Wt	_____	<u>140#</u>	BIT			
				Hammer Fall	_____	<u>30"</u>				

LOCATION OF BORING:

DEPTH	Casing Blows per foot	Sample Depths From - To	Type of Sample	Blows per 6" on Sampler			Moisture Density or Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, Type of soil etc. Rock-color, type, condition, hardness, Drilling time, seams and etc.	SAMPLE		
				From 0-6	6-12	12-18				No	Pen	Rec.
		<u>5'-6'6"</u>	<u>D</u>	<u>9</u>	<u>18</u>	<u>18</u>		<u>8'</u>	<u>Brown fine to coarse Sand, some silt - FILL</u>	<u>1</u>	<u>18'</u>	<u>9"</u>
		<u>10'-11'6"</u>	<u>D</u>	<u>4</u>	<u>3</u>	<u>5</u>		<u>12'</u>	<u>Gray Brown fine SAND, some silt, tr. organic silt, tr. peat</u>	<u>2</u>	<u>18'</u>	<u>8"</u>
		<u>15'-16'6"</u>	<u>D</u>	<u>8</u>	<u>9</u>	<u>10</u>			<u>Gray Brown fine to coarse SAND, little silt</u>	<u>3</u>	<u>18'</u>	<u>10"</u>
		<u>20'-21'6"</u>	<u>D</u>	<u>13</u>	<u>11</u>	<u>14</u>			<u>"</u>	<u>4</u>	<u>18'</u>	<u>12"</u>
		<u>25'-26'6"</u>	<u>D</u>	<u>9</u>	<u>11</u>	<u>26</u>		<u>51'</u>	<u>Unable to sample after 25' - sand running into casing</u>	<u>5</u>	<u>18'</u>	<u>18"</u>
									<u>Bottom of Boring 51' installed: 6' steel well point (1 1/2") 46' steel riser pipe (1 1/2") Gate box</u>			

GROUND SURFACE TO 51' USED H/S/A "CASING: THEN

Sample Type D=Dry C=Cored W=Washed UP=Undisturbed Piston TP=Test Pit A=Auger V=Vane Test UT=Undisturbed Thinwall	Proportions Used trace 0 to 10% little 10 to 20% some 20 to 35% and 35 to 50%	140 lb Wt. x 30" fall on 2" O.D. Sampler Cohesionless Density 0-10 Loose 10-30 Med. Dense 30-50 Dense 50+ Very Dense	Cohesive Consistency 0-4 Soft 30+ Hard 4-8 M/Stiff 8-15 Stiff 15-30 V-Stiff	SUMMARY: Earth Boring <u>51'</u> Rock Coring _____ Samples <u>5</u> HOLE NO. 36A
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TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *GF*

HOLE NO. *B#520*

LOCATION

SURF. EL.

DATE STARTED *3/10/00*

DATE COMPLETED *3/10/00*

JOB NO.

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

GROUND WATER DEPTH
WHILE DRILLING *13'*

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
% OR — % CORE RECOVERY

BEFORE CASING
REMOVED

AFTER CASING
REMOVED *28'*

CASING TYPE

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>Grout</i>	<i>2'</i>
<i>5</i>	<i>2'-3.5</i>	<i>1</i>		<i>1-1</i>		<i>Brown moist soft peat, little silt</i>	
				<i>1</i>			
<i>10</i>	<i>5'-6.5</i>	<i>2</i>		<i>1</i>			
				<i>1</i>			
<i>15</i>	<i>10'-11.5</i>	<i>3</i>		<i>1-1</i>			
				<i>1</i>			
<i>20</i>	<i>15'-16.5</i>	<i>4</i>		<i>1-2</i>		<i>Gray wet loose s/m sand trace of silt</i>	<i>20'</i>
				<i>1</i>			
<i>25</i>	<i>20'-21.5</i>	<i>5</i>		<i>1-1</i>		<i>Gray moist soft silt, little peat</i>	
				<i>2</i>			
<i>30</i>	<i>25'-26.1</i>	<i>6</i>		<i>1-2</i>			
				<i>1</i>			
<i>35</i>	<i>30'-31.5</i>	<i>7</i>		<i>2-1</i>			
				<i>1</i>			
<i>40</i>	<i>35'-36.5</i>	<i>8</i>		<i>1-1</i>		<i>Gray wet loose s/sand little silt.</i>	<i>35'</i>
				<i>3</i>			

Rock



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *GE*
LOCATION

HOLE NO. *B-524*
SURF. EL.

DATE STARTED *3/10/80* DATE COMPLETED *3/10/80*

JOB NO.
GROUND WATER DEPTH WHILE DRILLING *13'*

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

BEFORE CASING REMOVED

C — NO. OF BLOWS TO DRIVE CASING 12" W/ # HAMMER FALLING
%OR — % CORE RECOVERY

AFTER CASING REMOVED *8'*

CASING TYPE

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
<i>5</i>						<i>Drilled to 20'</i>	
<i>10</i>							
<i>15</i>						<i>Installed 2" PUC slotted pipe + 14ft of 2" PUC pipe</i>	
<i>20</i>						<i>Bottom of well at 20ft</i>	<i>20'</i>
						<i>B.C.B.</i>	
						<i>1 - stand pipe</i>	



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *S.E.*
LOCATION *East St Pittsfield Mass*
DATE STARTED *6/24/80* DATE COMPLETED

HOLE NO. *B1*
SURF. EL.
JOB NO. *8067*
GROUND WATER DEPTH WHILE DRILLING
BEFORE CASING REMOVED
AFTER CASING REMOVED

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 SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>1.5 cement for sand seal</i>	<i>2</i>
						<i>sand for to be gravel small boulders</i>	
						<i>strange odor from 15' 20' Did not appear to be oil</i>	
						<i>more sand large gravel & boulders</i>	<i>27</i>
						<i>10' - 2" plate screen 15' " 10 Pipe 1 cut log D.O.S 25' BOW 25'</i>	



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *HE*
LOCATION *East St Pittsburgh Mass*
DATE STARTED *6/25/80* DATE COMPLETED

HOLE NO. *84*
SURF. EL
JOB NO.
GROUND WATER DEPTH WHILE DRILLING *Drop*
BEFORE CASING REMOVED
AFTER CASING REMOVED *31' mudwell*

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

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>sand & gravel to med</i>	<i>7.0</i>
						<i>silty sand & gravel</i>	<i>16</i>
						<i>silty sand & gravel + boulder</i>	<i>2.0</i>
	<i>16'</i>	<i>2"</i>		<i>PVC SCREEN</i>			
	<i>23'</i>	<i>1"</i>		<i>PIPE</i>			
	<i>1 cut</i>	<i>log</i>					
						<i>sample taken at 30' original</i>	
						<i>unable to get water table while drilling water came up to 31' after drilling</i>	
						<i>"80840" DOW 39</i>	



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *NE*
LOCATION *East St Pittsford Mass*
DATE STARTED *6/25/80* DATE COMPLETED

HOLE NO. *B5*
SURF. EL

JOB NO.
GROUND WATER DEPTH
WHILE DRILLING *24'*

N — NO. OF BLOWS TO DRIVE SAMPLER 12" W/140# HAMMER FALLING
30" — ASTM D-1586, STANDARD PENETRATION TEST

BEFORE CASING
REMOVED

C — NO. OF BLOWS TO DRIVE CASING 12" W/
HAMMER FALLING
% OR — % CORE RECOVERY

AFTER CASING
REMOVED

CASING TYPE

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>.5 Rk top</i>	
						<i>gravel</i>	<i>1.5'</i>
						<i>sand gravel for 10' or</i>	
							<i>13</i>
						<i>coarse gravel</i>	
							<i>24'</i>
						<i>gray wet oily for 10' or sand & gravel</i>	<i>28'</i>
						<i>sample taken at 25' from casing plug</i>	
						<i>10' - 2" PVC screen</i>	
						<i>18' 2" " pipe</i>	
						<i>1 cut log</i>	
						<i>BOBZZ - BOWZP</i>	



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT

LOCATION

DATE STARTED

GE
Pittsfield
11/20

DATE COMPLETED

11/26

HOLE NO.

SURF. EL.

JOB NO.

GROUND WATER DEPTH
WHILE DRILLING

BEFORE CASING
REMOVED

AFTER CASING
REMOVED

195

2067

8'

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

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
5						Black moist cinders + wood + steel, etc, fill	
10							85'
15	11-12			2-2		Black wet soft Dent + silt	118'
				2-3			
	12-14	2		4-3			
20	14-16	3		4-1		Black wet oily m/pense s/c sand + s/c gravel	172 85'
	16-18	4		2-10			
	18-20	5		12-14			
25	20-22	6		5-6		Brown wet m/pense s/c sand + s/c gravel	205'
	22-24	7		7-6			
	24-26	8		2-5			
25	25-27	9		7-6		Brown wet m/pense s/c sand, m/pense	238'
				6-6			
						Brown wet m/pense s/sand, some silt	
						B.O.B.	27' B.O.B.
						Installed 15' 2" PVC S.S. + 9' of 2" PVC. Bottom of well at 24.5'	
						1 gate box	



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *AE*
LOCATION *East St. Pittsford Mans*
DATE STARTED *7/8/80* DATE COMPLETED

HOLE NO. *14*
SURF. EL
JOB NO.
GROUND WATER DEPTH,
WHILE DRILLING *28'*
BEFORE CASING
REMOVED
AFTER CASING
REMOVED *23' in well*

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

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>to stop</i>	
						<i>gravel or stone</i>	<i>1.5'</i>
						<i>sand & gravel boulder fill</i>	
							<i>11'</i>
						<i>Br sand & gravel</i>	
<i>10</i>	<i>2"</i>	<i>PVC screen</i>					
<i>24</i>	<i>"</i>	<i>" pipe</i>					
<i>1</i>	<i>cut box</i>						
						<i>fill</i>	<i>28'</i>
						<i>very oily</i>	
						<i>BOB 34'</i>	



TEST BORING LOG

FISHER ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT *GE*
LOCATION *East of Pittsfield Mass*
DATE STARTED *7/14/80* DATE COMPLETED

HOLE NO. *24*
SURF. EL.
JOB NO.
GROUND WATER DEPTH
WHILE DRILLING *34'*
BEFORE CASING
REMOVED
AFTER CASING
REMOVED *33.5' in well*

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

SHEET OF

DEPTH	SAMPLE DEPTH	SAMPLE NUMBER	C	SAMPLE DRIVE RECORD PER 6"	N	DESCRIPTION OF MATERIAL	STRATA CHANGE DEPTH
						<i>1.6 Cement</i>	
						<i>sand silt gravel</i>	
						<i>wood between 10'-15'</i>	
						<i>silty sand + gravel</i>	<i>15'</i>
	<i>10'</i>	<i>2"</i>		<i>PVC screen</i>			
	<i>30'</i>	<i>11"</i>		<i>1/4" pipe</i>			
				<i>1 inch log</i>			
						<i>wet silty sand + gravel</i>	<i>34'</i>
						<i>silty sand from 13'</i>	
						<i>35.5'</i>	

SAMPLE/CORE LOG

Boring/Well 11R Project/No. N0360E55 Page 1 of 2
 Site Location Pittsfield, MA Drilling Started 8/14/86 Drilling Completed 8/14/86
 Total Depth Drilled 26 (feet)
 Hole Diameter 8 (inches) Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Drilling Fluid Used None Drilling Method Auger
 Drilling Contractor Parratt Wolff, Inc. Driller Wayne Helper Karl
 Prepared By N. Childs Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 8 inches	Sample/Core Description
From	To			
0	2	11 in	6-8-5-19	Fill: sand, silt, gravel, and cinder; tan and black.
2	4	12 in	20-37-19-20	Fill: sand, silt, gravel, cinder, and crushed concrete; black.
4	6	18 in	8-8-9-8	do (4-5 ft)
				Silt, tan and sand, medium, brown in alternating layers; some gravel, and little cinder (5-6 ft).
6	8	6 in	20-18-12-11	do
8	10	12 in	4-6-7-6	Silt and sand, fine with some gravel; brown and tan (8-9 ft).
				Gravel with some silt, sand, wood chips and mica flakes; black.
10	12	12 in	5-6-7-6	do (with black sludge at 11.5 ft)
12	14	0	7-12-15-7	No recovery (wood blocked hole).
14	16	9 in	7-7-6-8	Shredded wood, stained with black oil, fluid at 14.5 ft.

SAMPLE/CORE LOG

Well No. 15R Project/No. N0360ES4 Page 1 of 2

Site Location Pittsfield, MA Drilling Started 8/14/86 Drilling Completed 8/15/86

Total Depth Drilled 26 (feet)
 Hole Diameter 8 (inches) Type of Sample/
 Coring Device Split Spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Drilling Fluid Used None Drilling Method Auger
 Drilling Contractor Parratt Wolff, Inc. Driller Wayne Helper Karl
 Prepared By N. Childs Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	14 in	3-4-5-7	Gravel, sandy; with some silt; tan (0-1.5 ft) and black (1.5-2ft).
2	4	8 in	10-10-6-8	Gravel, sandy; with some silt; light brown.
4	6	12 in	3-3-7-8	do
6	8	12 in	3-3-5-5	do (6-7 ft)
				Sand, fine to medium, yellow-tan. (7-8 ft).
8	10	18 in	4-6-8-7	do (8-8.5 ft)
				Sand, fine, silty, brown; with some gravel (8.5-10 ft)
10	12	12 in	10-3-3-4	Silt, brown; with trace gravel, fine (10-11 ft).
				Gravel; with some silt and fine sand; gray-brown (11-12 ft)

SAMPLE/CORE LOG

BORING/WELL: 16-R PROJECT NO: NO360WB1 PAGE: 1 of 2

SITE General Electric DRILLING DRILLING
 LOCATION: Pittsfield, MA STARTED: 2/20/87 COMPLETED: 2/25/87

TOTAL DEPTH HOLE TYPE OF SAMPLE/
 DRILLED: 26 feet DIAMETER: 8 inches CORING DEVICE: Split Spoon

LENGTH & DIAMETER SAMPLING
 OF CORING DEVICE: 2' x 2" INTERVAL: 2 feet

LAND-SURFACE () SURVEYED
 ELEVATION: 976 feet (x) ESTIMATED DATUM: MSL

DRILLING FLUID USED: None DRILLING METHOD: Hollow Stem Auger

DRILLING
 CONTRACTOR: Soil & Mat'l Testing DRILLER: Dan HELPER: Kenny

PREPARED BY: Nick Childs HAMMER WEIGHT: 140 lbs HAMMER DROP: 30 inches

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	2	0	Drill	Refusal due to permafrost and cobbles.
	2	4	16"	34/28/ 19/8	Sand (60%); gravel (30%); silt (10%); gray-brown; poorly sorted.
	4	6	12"	8/8/ 8/7	Same as above.
	6	8	12"	10/15/ 76/19	Sand (50%); gravel (30%); cobbles (10%); silt (10%); multicolored, poorly sorted, some brick.
	8	10	12"	13/11 6/10	Same as above.
	10	12	9"	10/16 10/6	Silt (40%); sand (40%); gravel (20%); brown, poorly sorted, loose.
	12	14	5"	15/9/ 9/10	Same as above; moist.
	14	16	0	7/6/ 5/10	Runny sand residue in spoon. Water at 14.
	16	18	8"	9/8/ 6/4	Sand, fine, gray, wet, well sorted.
	18	20	12"	7/4/ 5/7	Sand (60%), medium-coarse; gravel (35%); silt (5%); gray, poorly sorted, wet, coarser with depth.
	20	22	12"	10/5/ 6/9	Sand (70%), medium-coarse; gravel (25%); silt (5%); gray, poorly sorted, wet.

SAMPLE/CORE LOG

BORING/WELL: 17-R PROJECT NO: NO360WB1 PAGE: 1 of 2
 SITE General Electric DRILLING DRILLING
 LOCATION: Pittsfield, MA STARTED: 2/25/87 COMPLETED: 2/28/87
 TOTAL DEPTH 22 feet HOLE DIAMETER: 8 inches TYPE OF SAMPLE/
 DRILLED: 22 feet CORING DEVICE: Split Spoon
 LENGTH & DIAMETER 2 ft x 2 in SAMPLING INTERVAL: 2 feet
 OF CORING DEVICE: 2 ft x 2 in INTERVAL: 2 feet
 LAND-SURFACE { } SURVEYED
 ELEVATION: 974 feet {x} ESTIMATED DATUM: MSL
 DRILLING FLUID USED: None DRILLING METHOD: Hollow Stem Auger
 DRILLING CONTRACTOR: Soil & Mat'l Testing DRILLER: Dan HELPER: Kenny
 PREPARED BY: Nick Childs HAMMER WEIGHT: 140 lbs HAMMER DROP: 30 inches

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	2	0	100/4	Cobbles, sand and gravel - frozen.
				Drill	
	2	4	14"	8/13/	Sand (50%), fine; gravel (30%); silt (20%); brown,
				9/12	poorly sorted.
	4	6	3"	17/16	Same as above.
				14/12	
	6	8	6"	10/9/	Same as above.
				8/6	
	8	10	0	4/1/	No recovery.
				2/6	
	10	12	14"	10/12/	10-11.5': Sand (40%), fine; gravel and cobbles (40%);
				15/6	silt (20%); brown, poorly sorted.
					11.5-12': Sand (80%), fine; silt (20%); dark brown,
					moderately sorted, mica flakes.
	12	14	18"	4/2	Sand (80%), fine; silt (20%); dark brown grading to
				5/7	greenish-gray at 12.5', well sorted mica.
	14	16	20"	2/4	Sand (75%), coarse; gravel (20%); silt (5%); gray
				4/6	and black, poorly sorted, mica flakes, wood chips,
					wet. Water at 14'.
	16	18	14"	6/4/	Same as above.
				10/8	

SAMPLE/CORE LOG

Boring/Well 49 Project/No. N0360ES4 Page 1 of 2
 Site Location Pittsfield, MA (Area 2) Drilling Started 8/8/86 Drilling Completed 8/8/86
 Total Depth Drilled 26 (feet)
 Hole Diameter 8 (inches) Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2 ft x 2 inches Sampling Interval 2 feet
 Drilling Fluid Used None Drilling Method Auger
 Drilling Contractor Parratt-Wolff, Inc. Driller Wayne Helper Karl
 Prepared By N. Childs Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	12 in	2-13-8-5	Topsoil (5 in)
				Fill; silt, sand and gravel
2	4	10 in	2-3-4-3	Fill; silt, sand and fine gravel, orange
				brown
4	6	10 in	4-6-3-3	Fill; silt, sand, fine gravel and cinder
6	8	16 in	4-6-10-12	do (2 in)
				Sand, fine to medium, orange-tan; with
				mica
8	10	24 in	5-7-9-6	do
10	12	0	4-5-6-6	No recovery
12	14	12 in	6-9-10-8	Sand, medium to coarse; some fine gravel
				and silt (7 in)
				Sand, medium, tan-orange, with bands of
				mica
14	16	16 in	3-6-6-9	Sand, fine to medium, grayish-tan and
				orange; some silt and mica

SAMPLE/CORE LOG

BORING/WELL: 49R PROJECT NO: NY360SW01 PAGE: 1

SITE: Area 2 DRILLING STARTED: 12/23/87 DRILLING COMPLETED: 12/23/87
 LOCATION: General Electric Co.

TOTAL DEPTH DRILLED: 28 ft HOLE DIAMETER: 8-1/4 in. TYPE OF SAMPLE/CORING DEVICE: Split Spoon

LENGTH & DIAMETER OF CORING DEVICE: 2 ft x 2 in. SAMPLING INTERVAL: continuous 4 to 18 ft

LAND-SURFACE ELEVATION: { } SURVEYED ESTIMATED DATUM: Land Surface

DRILLING FLUID USED: - DRILLING METHOD: Hollow Stem Auger

DRILLING CONTRACTOR: Soil & Mat'l. Testing DRILLER: Mike HELPER: Kerry

PREPARED BY: R. Eby HAMMER WEIGHT: 140 lb. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	4	-	-	Sand, gravel, clay, no sample taken (fill).
	4	6	-	2-1-	No recovery.
				1-1	
	6	8	.5	wt.rod	Sand (80%), medium, tan-light brown; gravel (10%);
				1-5-5	bentonite slurry (10%); (bottom of bentonite at approximately 7.0').
	8	10	1.0	5-6-	Sand (80%), medium, sand (10%) coarse; gravel (10%).
				6-6	Tan to light brown sand with some gravel near top, iron staining. Lower .2' coarse sand and gravel.
	10	12	1.5	3-2-	Sand (98%), medium to fine; clay (2%); well sorted,
				3-2	tan to gray sand, with dark iron stains near bottom of sample. Thin clay layer 0.3' from bottom.
	12	14	2.0	4-6-	Sand (90%), medium to fine; silt (10%); well sorted
				5-8	with iron staining at top, grades to silt near bottom (lower 0.3'). Note: wet at approximately 13.5 to 14.0 ft).
	14	16	2.0	8-7-	Sand (75%), medium to fine; clay/silt (25%); upper
				8-7	portion clayey silt grading into well sorted medium/fine sand with depth. Greenish brown.

SAMPLE/CORE LOG

Boring/Well 50 Project/No. N0360ES4 Page 1 of 2

Site Location Pittsfield, MA Drilling Started 5/13/86 Drilling Completed 8/13/86

Total Depth Drilled 26 (feet)

Hole Diameter 8 (inches) Type of Sample/
Coring Device Split Spoon

Length and Diameter of Coring Device 2 ft x 2 inches Sampling Interval 2 feet

Drilling Fluid Used None Drilling Method Auger

Drilling Contractor Parratt-Wolff, Inc. Driller Wayne Helper Karl

Prepared By N. Childs Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 8 inches	Sample/Core Description
From	To			
0	2	12 in	2-5-9-14	Topsoil (3 in)
				Silt, sandy; with some gravel; brown
2	4	12 in	11-19-25-25	do
4	6	16 in	11-15-15-16	do
6	8	14 in	8-8-17-18	do (odor)
8	10	15 in	11-12-11-9	Silt, sandy, brown and tan; with some
				gravel, copper plated metal and plant
				fragments (odor)
10	12	16 in	3-3-5-7	Silt, sandy; with little clay, brown.
12	14	24 in	6-8-9-10	do (wet at 14 ft)
14	16	16 in	1-2-3-5	Sand, silty, brown (14-14.5 ft)
				Peat, silty, dark brown (14.5-16 ft)
16	18	16 in	5-9-10-12	Silt, dark brown; with seams of sand, fine,
				light-gray, and silty peat; gray-black
				staining (16-17.5 ft)
				Sand, fine to medium, tan with gray
				staining. (17.5-18 ft)

SAMPLE/CORE LOG

~~XXXX~~ Well 51 Project/No. N0360ES4 Page 1 of 2
 Site Location Pittsfield, MA Drilling Started 8/13/86 Drilling Completed 8/13/86
 Total Depth Drilled 26 (feet)
 Hole Diameter 8 (inches) Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2 ft x 2 inches Sampling Interval 2 feet
 Drilling Fluid Used None Drilling Method Auger
 Drilling Contractor Parratt-Wolff, Inc. Driller Wayne Helper Karl
 Prepared By N. Childs Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	9 in	1-3-9-12	Topsoil (4 in) Fill: silt, sand, with some gravel & wood.
2	4	6 in	10-8-20-25	Fill: porcelain and cinder fragments.
4	6	8 in	4-4-7-12	Fill: sand, silt, brick, glass, and ceramic fragments.
6	8	6 in	28-32-2-1	Fill: gravel, sand, and silt.
8	10	12 in	7-6-8-8	Fill: cardboard. Change at 8.5 ft.: Sand, fine and silt; dark brown
10	12	12 in	3-4-5-4	Sand, fine to medium, dark brown, some glass and brick fragments at 12 ft.
12	14	14 in	4-3-6-6	Sand, fine, and silt; dark brown, water at 14'.
14	16	16 in	1-2-3-5	Sand, fine-medium coarser with depth, brown grading into gray with dark brown bands.

SAMPLE/CORE LOG

BXXX/Well 52 Project/No. N0360ES4 Page 1 of 2

Site Location Pittsfield, MA Drilling Started 8-13-86 Drilling Completed 8-14-86

Total Depth Drilled 26 (feet)

Hole Diameter 8 (inches) Type of Sample/ Coring Device Split Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Drilling Fluid Used None Drilling Method Auger

Drilling Contractor Parratt Wolff, Inc. Driller Wayne Helper Karl

Prepared By N. Childs Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 8 inches	Sample/Core Description
From	To			
0	2	16 in	2-10-22-52	Topsoil (4 in) Fill: sand, silt, cinder, ceramic fragments.
2	4	5 in	10-16-28-30	Fill: sand, silt, cinder, metal fragments, glass.
4	6	12 in	4-12-12-8	Sand, medium to coarse and silt; brown, stained black in areas, slightly oily, slight odor
6	6.4	0	50 blows 0.4 ft	No recovery. Obstruction hit at 6.4 ft
6.4	8	-	Drilled	
8	10	9 in	2-1-2-10	Fill: gravel, silt, and sand with some metal & porcelain fragments; dark brown to black, slightly oily, odor, water at 10 ft.
10	12	6 in	10-3-3-4	Fill: gravel, silt, and sand with some plant fragments and pieces of cloth; dark brown to black.

SAMPLE/CORE LOG

BORING/WELL: 59 PROJECT NO: NY360SW01 PAGE: 1

SITE Area 2 DRILLING DRILLING
 LOCATION: General Electric Co. STARTED: 1/5/88 COMPLETED: 1/5/88

TOTAL DEPTH HOLE TYPE OF SAMPLE/
 DRILLED: 29 ft DIAMETER: 8-1/4 in. CORING DEVICE: Split Spoon

LENGTH & DIAMETER SAMPLING
 OF CORING DEVICE: 2 ft x 2 in. INTERVAL: continuous 5 - 19 ft

LAND-SURFACE { } SURVEYED
 ELEVATION: { } ESTIMATED DATUM: Land Surface

DRILLING FLUID USED: - DRILLING METHOD: Hollow Stem Auger

DRILLING
 CONTRACTOR: Soil & Mat'l. Testing DRILLER: Mike HELPER: Kenny

PREPARED BY: R. Eby HAMMER WEIGHT: 140 lb. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	5	-	-	Sand, gravel, silt, no sample taken (fill).
	5	7	.5	2-2-	Sand (50%), medium; gravel (35%); silt (15%).
				2-3	(Fill).
	7	9	1.0	1-1-	Bentonite (50%); gravel (20%); sand (15%), coarse;
				2-4	sand (15%), fine; upper 0.8' bentonite and fill lower portion fine tan sand.
	9	11	1.5	9-9-	Sand (60%), coarse; sand (40%), fine; coarse, gray,
				11-11	well sorted sand underlain by fine tan sand with iron stains.
	11	13	1.0	11-12-	Sand (90%), fine, sand (5%), coarse; gravel (5%).
				12-11	Upper 0.5', fine, tan, sand with iron stain lower, well sorted, fine, gray, sand grading into coarse sand and gravel at about 13', lower 0.1 is oil saturated.
	13	15	1.0	10-12-	Sand (70%), coarse; gravel (25%); sand (5%), medium.
				10-10	Upper .5' poorly sorted, coarse, sand and gravel which grades into medium/coarse, sand, saturated with oil.
	15	17	2.0	8-10-	Sand (90%), coarse; gravel (10%); gray sand with
				12-12	occasional gravel and pebbles, upper portion saturated with oil. Lower 1.0' saturated with water.

SAMPLE/CORE LOG

BORING: UU-R PROJECT NO: NY0360PS04 PAGE: 1 of 1

SITE LOCATION: GE - Area 2 DRILLING STARTED: 2/7/89 DRILLING COMPLETED: 2/7/89

TOTAL DEPTH DRILLED: 25 HOLE DIAMETER: 8 inches TYPE OF SAMPLE/CORING DEVICE: Split spoon

LENGTH & DIAMETER OF CORING DEVICE: 2 ft. x 2 in. SAMPLING INTERVAL: 5 feet

LAND-SURFACE ELEVATION: { } SURVEYED DATUM: ESTIMATED

DRILLING FLUID USED: none DRILLING METHOD: Auger

DRILLING CONTRACTOR: Layne-Northern DRILLER: Norm HELPER: John

PREPARED BY: W. Gray HAMMER WEIGHT: 140 HAMMER DROP: 30 inches

SAMPLE DEPTH (FT BELOW LAND SURFACE)		CORE RECVRY (FT)	BLOW COUNTS PER 6 INCHES	SAMPLE/CORE DESCRIPTION
FROM	TO			
0	2	-	-	1' concrete.
				sand and gravel, construction debris, red brick.
5	7	-	-	Same as above.
10	12	1.5	15-13-	Sand, medium to fine; trace gravel, medium; trace
			14-14	silt, brown.
15	17	1.2	12-13-	Sand, medium to fine; trace gravel, medium; trace
			14-15	silt, brown.
20	22	1.2	13-13-	Sand, fine to medium, trace silt, trace gravel, trace
			15-20	clay.
25	27	1.0	15-20-	Sand, fine to medium, trace silt, trace gravel, trace
			20-20	clay.
28	30	1.1	15-13-	Sand, fine, trace silt, trace clay.
			17-19	

SAMPLE/CORE LOG

WELL: P-3D PROJECT NO: NY0360PS1 PAGE: 1 of 1

SITE General Electric Co. DRILLING DRILLING
 LOCATION: Pittsfield, MA STARTED: 4/13/88 COMPLETED: 4/13/88

TOTAL DEPTH 19.5 ft HOLE DIAMETER: 5.5 in. TYPE OF SAMPLE/
 DRILLED: 19.5 ft CORING DEVICE: Split Spoon

LENGTH & DIAMETER 2 ft x 2 in. SAMPLING INTERVAL: continuous
 OF CORING DEVICE: 2 ft x 2 in.

LAND-SURFACE ELEVATION: 988.6 ft {X} SURVEYED DATUM: NGVD
 { } ESTIMATED

DRILLING FLUID USED: None DRILLING METHOD: Hollow Stem Auger

DRILLING CONTRACTOR: Soil & Mat'l. Testing DRILLER: Tom HELPER: Bob

PREPARED BY: J. Duminuco HAMMER WEIGHT: 140 lb HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	4	-	Au-gered	Begin sampling at water table.
	4	6	0.3	14-7-3-8	Gravel and sand, fine, some silt, cinders, brown; free oil.
	6	8	0.2	15-2-4-6	Do; free oil.
	8	10	0.4	3-3-30-13	Sand, fine to medium, some silt, gravel, brown; free oil.
	11	13	0.7	9-7-6-5	Sand, fine, silty, gray; black stained, oily.
	13	15	1.2	6-4-6-6	Do; black stained, oily.
	15.5	17.5	0.4	4-4-5-6	Sand, fine, silty, gray; black stained.
	17.5	19.5	1.0	6-7-10-11	Sand, fine, silty, black stained, oily (17.5 to 19.0 ft). Sand, fine, silty, gray, (19.0 to 19.5 ft).

SAMPLE/CORE LOG

BORING: EC-3 PROJECT NO: NY360PS01 PAGE: 1 of 1
 SITE General Electric Co. DRILLING DRILLING
 LOCATION: Pittsfield, MA STARTED: 5/26/88 COMPLETED: 5/26/88
 TOTAL DEPTH HOLE TYPE OF SAMPLE/
 DRILLED: 19 ft DIAMETER: 6 in. CORING DEVICE: Split Spoon
 LENGTH & DIAMETER SAMPLING
 OF CORING DEVICE: 2 ft x 2 in. INTERVAL: continuous - 2 ft
 LAND-SURFACE SURVEYED
 ELEVATION: { } ESTIMATED DATUM: _____
 DRILLING FLUID USED: none DRILLING METHOD: Hollow Stem Auger
 DRILLING
 CONTRACTOR: Soil & Mat'l. Testing DRILLER: Tom HELPER: Bob
 PREPARED BY: J. Duminuco HAMMER WEIGHT: 140 lb HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	5	-	-	Augered
	5	7	2.0	2-2-	Sand, fine, silty, trace gravel, brown.
				3-3	
	7	9	0.6	2-13-	Do
				9-5	
	9	11	0	6-5-	No recovery
				4-5	
	11	13	0	8-8-	No recovery
				5-8	
	13	15	1.0	20-20	Sand, fine, silty, brown & gray (top 6 in.) sand,
				15-17	fine to coarse, some gravel, trace silt, brown
					(bottom 6 in.) - damp.
	15	17	0.4	7-10-	Sand, fine, silty, trace gravel, brown; (damp).
				7-5	
	17	19	0.3	9-7-	Sand, fine to coarse, some gravel, trace silt, brown;
				5-3	(wet).

SAMPLE/CORE LOG

BORING: OX-1 PROJECT NO: NY360PS01 PAGE: 1 of 2
 SITE General Electric Co. DRILLING DRILLING
 LOCATION: Pittsfield, MA STARTED: 5/24/88 COMPLETED: 5/24/88
 TOTAL DEPTH 21 ft HOLE DIAMETER: 6 in. TYPE OF SAMPLE/
 DRILLED: 21 ft CORING DEVICE: Split Spoon
 LENGTH & DIAMETER 2 ft x 2 in. SAMPLING INTERVAL: continuous - 2 ft
 OF CORING DEVICE: 2 ft x 2 in. INTERVAL: continuous - 2 ft
 LAND-SURFACE { } SURVEYED
 ELEVATION: { } ESTIMATED DATUM:
 DRILLING FLUID USED: none DRILLING METHOD: Hollow Stem Auger
 DRILLING CONTRACTOR: Soil & Mat'l. Testing DRILLER: Tom HELPER: Bob
 PREPARED BY: J. Duminuco HAMMER WEIGHT: 140 lb HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	2	1.0	14-14-	1 in. asphalt; sand, fine to medium, trace gravel,
				13-12	brick, cinders, conc. fragments, silt, brown-gray;
					fill.
	2	4	1.8	36-35-	Sand, fine to medium, trace silt, gravel, cinders,
				18-15	brown-gray; fill
	4	6	1.0	14-11-	Sand, fine to medium, some silt, gravel, trace
				9-4	cinders, brick, wood, black-gray; fill.
	6	6	0	30/0"	140 lb hammer bounding - augered through obstruction
					6 to 7 ft.
	7	9	0.8	1-1-	Sand, fine to medium, trace silt, wood, cinders,
				1-1	brown; fill, trace oil sheen, oily odor.
	9	11	0.5	5-3-	Wood; sand, fine to medium, trace silt, brown; fill.
				8-20	
	11	11.5	0.5	160/6"	Do; fill, trace oil sheen, oily odor; augered through
					obstruction 11 to 13 ft.
	13	15	0.2	1-1-	Sand, fine to medium, some silt, trace brick and
				1-1	wood, black; fill, oil sheen, oily odor (wet).
	15	17	1.0	2-2-	Sand, fine to medium, silty, trace brick, cinders,
				2-6	black; oil sheen, oily odor (top 6 in.),
					decomposed wood; fill (bottom 6 in.) (wet).
	17	19	1.4	8-8-	Cinders; brick; wood; sand, fine to medium, silty,
				5-4	black, fill; oil sheen, oily odor.

SAMPLE/CORE LOG

BORING: OX-2 PROJECT NO: NY360PS01 PAGE: 1 of 1
 SITE General Electric Co. DRILLING STARTED: 5/24/88 DRILLING COMPLETED: 5/24/88
 LOCATION: Pittsfield, MA
 TOTAL DEPTH 14 ft HOLE DIAMETER: 6 in. TYPE OF SAMPLE/
 DRILLED: 14 ft CORING DEVICE: Split Spoon
 LENGTH & DIAMETER 2 ft x 2 in. SAMPLING INTERVAL: continuous - 2 ft
 OF CORING DEVICE:
 LAND-SURFACE { } SURVEYED
 ELEVATION: { } ESTIMATED DATUM:
 DRILLING FLUID USED: none DRILLING METHOD: Hollow Stem Auger
 DRILLING CONTRACTOR: Soil & Mat'l. Testing DRILLER: Tom HELPER: Bob
 PREPARED BY: J. Duminuco HAMMER WEIGHT: 140 lb HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	2	0.6	4-4-	Sand, fine to medium, some silt, gravel, ceramic fragments, brown (fill).
				5-6	
	2	4	0.4	6-6-	Do (fill).
				4-6	
	4	6	0.6	7-7-	Sand, fine to medium, some silt, gravel, wood, brown; fill (moist).
				6-2	
	6	8	0.5	6-4-	Sand, fine, silty, gray; oil sheen, oily odor (wet).
				3-7	
	8	10	0	10-5-	No recovery - spoon coated with oil.
				5-3	
	10	12	0.2	7-6-	Cinders, wood, gravel, brick; black; oil sheen, oil odor, fill.
				2-6	
	12	14	0.1	4-2-	Do
				3-2	

SAMPLE/CORE LOG

BORING: R-4 PROJECT NO: NY360PS01 PAGE: 1 of 1

SITE General Electric Co. DRILLING General Electric Co. DRILLING General Electric Co.
 LOCATION: Pittsfield, MA STARTED: 5/23/88 COMPLETED: 5/23/88

TOTAL DEPTH 24 ft HOLE 6 in. TYPE OF SAMPLE/
 DRILLED: 24 ft DIAMETER: 6 in. CORING DEVICE: Split Spoon

LENGTH & DIAMETER 2 ft x 2 in. SAMPLING continuous - 2 ft
 OF CORING DEVICE: 2 ft x 2 in. INTERVAL: continuous - 2 ft

LAND-SURFACE () SURVEYED
 ELEVATION: () ESTIMATED DATUM:

DRILLING FLUID USED: none DRILLING METHOD: Hollow Stem Auger

DRILLING Soil & Mat'l. Testing DRILLER: Tom HELPER: Bob
 CONTRACTOR: Soil & Mat'l. Testing

PREPARED BY: J. Duminuco HAMMER WEIGHT: 140 lb HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	10	-	-	Augered
	10	12	2.0	7-9-	Silt, trace fine sand, brown.
				9-12	
	12	14	2.0	8-6-	Silt, trace gravel, fine to medium sand layers, fine
				8-8	sand, brown (damp).
	14	16	1.8	8-8-	Sand, fine, trace silt, brown; (damp).
				10-10	
	16	18	1.2	7-8-	Sand, fine to medium, trace gravel, silt, brown.
				7-7	
	18	20	1.1	9-9-	Sand, fine to medium, silty, some gravel, brown;
				10-13	(wet @ 19 ±).
	20	22	1.2	11-11-	Do
				10-13	
	22	24	2.0	8-10-	Do (22 to 23.5 ft); silt, some fine sand, brown and
				16-19	gray (23.5 to 24 ft).
					Water level 19.8 ft

SAMPLE/CORE LOG

BORING: 64X-7 PROJECT NO: NY360PS01 PAGE: 1 of 1
 SITE General Electric Co. DRILLING DRILLING
 LOCATION: Pittsfield, MA STARTED: 5/17/88 COMPLETED: 5/17/88
 TOTAL DEPTH 20 ft HOLE DIAMETER: 8 in. TYPE OF SAMPLE/
 DRILLED: 20 ft CORING DEVICE: Split Spoon
 LENGTH & DIAMETER 2 ft x 2 in. SAMPLING INTERVAL: continuous - 2 ft
 OF CORING DEVICE: 2 ft x 2 in. INTERVAL: continuous - 2 ft
 LAND-SURFACE { } SURVEYED
 ELEVATION: { } ESTIMATED DATUM:
 DRILLING FLUID USED: none DRILLING METHOD: Hollow Stem Auger
 DRILLING CONTRACTOR: Soil & Mat'l. Testing DRILLER: Tom HELPER: Bob
 PREPARED BY: J. Duminuco HAMMER WEIGHT: 140 lb HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	8	-	-	Augered
	8	10	0.2	1-1-	Sand, fine to medium, some silt, trace gravel, gray;
				1-1	(wet), oil sheen, oily odor.
	10	12	0.3	1/24"	Silt, clayey, trace gravel, fine sand, brown.
	12	14	0.3	1/24"	Sand, fine to medium, some silt, trace gravel, brown;
					oil sheen, oily odor.
	14	16	0.2	2-2-	Gravel and silt, some clay, brown; trace black
				3-3	stained soil, oil sheen (sample may not be
					representative)
	16	18	1.0	5-5-	Sand, coarse (top 2 in.); clay, silty, trace gravel,
				7-8	brown (mid 6 in.); gravel, trace coarse sand, gray
					(bottom 4 in.).
	18	20	1.2	10-15-	Sand, fine to medium, trace silt, gravel, gray.
				11-9	
					Water level 11.1 ft

SAMPLE/CORE LOG

BORING/WELL: 53 PROJECT NO: NY360SW01 PAGE: 1

SITE Area 2 DRILLING DRILLING
 LOCATION: General Electric Co. STARTED: 12/15/87 COMPLETED: 12/16/87

TOTAL DEPTH HOLE TYPE OF SAMPLE/
 DRILLED: 29 ft DIAMETER: 8-1/4 in. CORING DEVICE: Split Spoon

LENGTH & DIAMETER SAMPLING
 OF CORING DEVICE: 2 ft x 2 in. INTERVAL:

LAND-SURFACE () SURVEYED
 ELEVATION: () ESTIMATED DATUM: Land Surface

DRILLING FLUID USED: - DRILLING METHOD: Hollow Stem Auger

DRILLING
 CONTRACTOR: Soil & Mat'l. Testing DRILLER: Mike HELPER: Kerry

PREPARED BY: R. Eby HAMMER WEIGHT: 140 lb. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	5	-	-	Gravel, sand brick and concrete fragments (fill material), no sample taken.
	5	7	1.5	41-10- 8-12	Sand (100%), medium tan, well sorted.
	7	9	1.5	8-7 6-7	Sand (100%), medium, rounded, well sorted, tan to light brown.
	9	11	1.5	7-6- 8-8	Sand (100%), medium to fine, tan to gray, with iron staining, well sorted, slightly coarser with depth.
	11	13	1.8	4-5- 4-6	Sand (97%), medium/fine, light brown to gray, some iron staining. Clay (3%), gray, occurring in thin layers.
	13	15	1.5	6-5- 6-6	Sand (100%), medium to coarse, light gray/brown, well sorted lower .2' wet.
	15	17	1.5	4-4- 4-5	Sand (60%), coarse, gray sand (40%) medium gray, wet saturated. Note: water table approximately 15 ft.
	17	19	.5	3-4- 5-6	Sand (100%), coarse to medium, dark gray.
	19	21	1.7	4-7- 8-8	Sand (100%), coarse to medium, gray.
	26	28	.5	9-8- 11-13	Gravel (60%), angular, poorly sorted; sand (25%), coarse; sand (10%), fine; silt/clay (<5%) lower portion of sample lost, broken spring retainer.

SAMPLE/CORE LOG

BORING/WELL: 54 PROJECT NO: NY360SW01 PAGE: 1

SITE Area 2 DRILLING DRILLING
 LOCATION: General Electric Co. STARTED: 12/16/87 COMPLETED: 12/21/87

TOTAL DEPTH HOLE TYPE OF SAMPLE/
 DRILLED: 28 ft DIAMETER: 8-1/4 in. CORING DEVICE: Split Spoon

LENGTH & DIAMETER SAMPLING
 OF CORING DEVICE: 2 ft x 2 in. INTERVAL: continuous 5 to 17 ft

LAND-SURFACE SURVEYED
 ELEVATION: { } ESTIMATED DATUM: Land Surface

DRILLING FLUID USED: - DRILLING METHOD: Hollow Stem Auger

DRILLING CONTRACTOR: Soil & Mat'l. Testing DRILLER: Mike HELPER: Kenny

PREPARED BY: R. Eby HAMMER WEIGHT: 140 lb. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	5	-	-	Gravel - sand - clay (poorly sorted, fill), no sample taken.
	5	7	1.0	8-13-	Gravel (40%); sand (40%), coarse; sand (20%), fine.
				18-11	Poorly sorted, sample contains ash and fragments of brick (fill).
	7	9	1.0	7-4-	Gravel (70%); sand (20%), coarse; sand (10%) fine;
				5-4	sample contains brick and cinder fragments (fill).
	9	11	1.5	4-3-	Sand (60%), fine; silt (20%); clay (20%); tan to
				2-1	light brown well sorted fine sand from 9-10 feet.
					Finer silt/clay from 10-11 feet (natural formation).
	11	13	1.5	2-2-	Sand (60%), coarse; sand (25%), fine; silt/clay
				3-3	(15%), gray to light brown, coarsens downward, moist near bottom.
	13	15	1.5	2-3-	Sand (90%), coarse; sand (10%) fine; organic debris,
				4-4	wood (trace); tan to gray, lower half of sample saturated, slightly oily odor. Note: Water table approximately 14 ft.
	15	17	1.5	-	Sand (90%), coarse; sand (5%) fine; organic debris
					(5%); fairly well sorted, rounded, tan to gray, slightly oily odor.

SAMPLE/CORE LOG

BORING/WELL: 55 PROJECT NO: NY360SW01 PAGE: 1
 SITE Area 2 DRILLING DRILLING
 LOCATION: General Electric Co. STARTED: 12/21/87 COMPLETED: 12/21/87
 TOTAL DEPTH HOLE TYPE OF SAMPLE/
 DRILLED: 29 ft DIAMETER: 8-1/4 in. CORING DEVICE: Split Spoon
 LENGTH & DIAMETER SAMPLING
 OF CORING DEVICE: 2 ft x 2 in. INTERVAL: continuous 5 - 19 ft
 LAND-SURFACE { } SURVEYED
 ELEVATION: { } ESTIMATED DATUM: Land Surface
 DRILLING FLUID USED: - DRILLING METHOD: Hollow Stem Auger
 DRILLING CONTRACTOR: Soil & Mat'l. Testing DRILLER: Mike HELPER: Kenny
 PREPARED BY: R. Eby HAMMER WEIGHT: 140 lb. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	5	-	-	Sand, some gravel, no sample taken (fill?).
	5	7	1.5	3-4-	Sand (90%), fine; gravel (10%); gravel at bottom of
				5-5	sample, tan - light brown.
	7	9	.5	6-7-	Sand (50%), coarse; gravel (50%), with some large
				6-6	pebbles, poorly sorted.
	9	11	1.5	4-3-	Sand (50%), coarse; gravel (50%), some large pebbles,
				3-4	poorly sorted.
	11	13	1.5	6-4-	Sand (40%), medium to fine; sand (20%), coarse;
				5-5	gravel (20%) some large pebbles, poorly sorted,
					greenish brown, moist near bottom, slightly oily.
	13	14	.5	6-4	Sand (100%) medium, well sorted, moist, oily, oily
					odor.
	14	15	.5	5-5	Sand (50%), coarse; gravel (50%), with some large
					pebbles; poorly sorted, oily, oily odor, wet
					(saturated).
	15	17	2.0	5-5-	Sand (90%), medium to coarse, gravel (10%); gray,
				5-5	poorly sorted near top, sand mixed with gravel
					grading into well sorted sand, upper .5' saturated
					with oil, oily odor.
	17	19	2.0	3-16-	Sand (80%), coarse, sand (15%), medium; gravel (5%)
				15-17	quartz pebbles, gray, poorly sorted.

SAMPLE/CORE LOG

BORING/WELL: 56 PROJECT NO: NY360SW01 PAGE: 1
 SITE Area 2 DRILLING DRILLING
 LOCATION: General Electric Co. STARTED: 12/22/87 COMPLETED: 12/22/87
 TOTAL DEPTH HOLE TYPE OF SAMPLE/
 DRILLED: 29 ft DIAMETER: 8-1/4 in. CORING DEVICE: Split Spoon
 LENGTH & DIAMETER SAMPLING
 OF CORING DEVICE: 2 ft x 2 in. INTERVAL:
 LAND-SURFACE SURVEYED
 ELEVATION: { } ESTIMATED DATUM: Land Surface
 DRILLING FLUID USED: - DRILLING METHOD: Hollow Stem Auger
 DRILLING CONTRACTOR: Soil & Mat'l. Testing DRILLER: Mike HELPER: Kenny
 PREPARED BY: R. Eby HAMMER WEIGHT: 140 lb. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	5	-	-	Sand, gravel, clay with fragments of brick and wood, no sample taken (fill).
	5	7	1.5	3-3-	Clay (70%), greenish brown; silt (25%); sand (5%)
				3-3	coarse with trace of gravel.
	7	9	2.0	3-2-	Sand (60%), fine; silt (30%); clay (5%); gravel (5%).
				3-3	Tan to light brown, some iron staining and trace of organic matter. Upper part of sample is gravel mixed with clay. Remainder is well sorted sand/silt with some hard packed clay on very bottom.
	9	11	1.5	3-4-	Sand (60%), medium to fine; clay (15%); gravel (10%);
				10-10	sand (5%), coarse. Upper portion hard packed clay with gravel. Trace organic matter and iron staining. Remainder of sample is medium/fine well sorted sand which grades into coarse sand and gravel. 1" diameter pebble lodged in end of spoon.
	11	13	1.5	6-10-	Sand (50%), coarse; gravel (45%) with some large
				9-10	pebbles; silt (5%); poorly sorted, iron stained near top, oily odor.
	13	15	1.5	7-6-	Sand (55%), coarse; gravel (45%), with some large
				4-6	pebbles; poorly sorted, saturated with oil, lower 0.3 oil stained.

SAMPLE/CORE LOG

BORING/WELL: 57 PROJECT NO: NY360SW01 PAGE: 1

SITE Area 2 DRILLING DRILLING
 LOCATION: General Electric Co. STARTED: 12/28/87 COMPLETED: 12/28/87

TOTAL DEPTH HOLE TYPE OF SAMPLE/
 DRILLED: 30 ft DIAMETER: 8-1/4 in. CORING DEVICE: Split Spoon

LENGTH & DIAMETER SAMPLING
 OF CORING DEVICE: 2 ft x 2 in. INTERVAL: continuous 5 - 21

LAND-SURFACE { } SURVEYED
 ELEVATION: _____ ESTIMATED DATUM: Land Surface

DRILLING FLUID USED: - DRILLING METHOD: Hollow Stem Auger

DRILLING
 CONTRACTOR: Soil & Mat'l. Testing DRILLER: Mike HELPER: Kenny

PREPARED BY: R. Eby HAMMER WEIGHT: 140 lb. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	5	-	-	Bentonite, gravel, sand, clay, fill and bentonite slurry mixture, no sample taken.
	5	7	.5	10-7- 6-7	Gravel (55%), with some large pebbles; clay (25%), sand (20%), medium (fill).
	7	9	.5	11-9- 5-4	Clay (50%); gravel (25%); sand (25%); (fill).
	9	11	1.0	4-4- 5-4	Sand (60%), medium, silt (30%); organic matter (5%), gravel (5%); light brown, poorly sorted. At very bottom dark organic matter containing wood and plant fragments (fill?).
	11	13	1.0	7-10- 12-13	Sand (50%), medium; gravel (30%); sand (10%) coarse; cinders/ash (10%); black, oily odor.
	13	15	1.5	8-31- 21-21	Gravel (55%); cinders/ash (30%); sand (15%) medium; black (oil stain?), strong odor of oil.
	15	17	1.0	10-11- 20-23	Gravel (75%), with numerous large pebbles; sand (15%), coarse; sand (10%), medium; dark gray to black, saturated with oil.
	17	19	2.0	5-8- 3-7	Gravel (65%), with large pebbles; sand (35%). coarse. Poorly sorted, saturated with oil.
	19	21	2.0	6-4- 5-9	Sand (95%), coarse; gravel (5%), coarse; appears to be water saturated but sediments are dark gray/black giving the appearance of oil staining.

SAMPLE/CORE LOG

BORING/WELL: 58 PROJECT NO: NY360SW01 PAGE: 1

SITE Area 2 DRILLING DRILLING
 LOCATION: General Electric Co. STARTED: 1/4/88 COMPLETED: 1/4/88

TOTAL DEPTH HOLE TYPE OF SAMPLE/
 DRILLED: 30 ft DIAMETER: 8-1/4 in. CORING DEVICE: Split Spoon

LENGTH & DIAMETER SAMPLING
 OF CORING DEVICE: 2 ft x 2 in. INTERVAL: continuous 5 - 19 ft

LAND-SURFACE SURVEYED
 ELEVATION: { } ESTIMATED DATUM: Land Surface

DRILLING FLUID USED: - DRILLING METHOD: Hollow Stem Auger

DRILLING
 CONTRACTOR: Soil & Mat'l. Testing DRILLER: Mike HELPER: Kenny

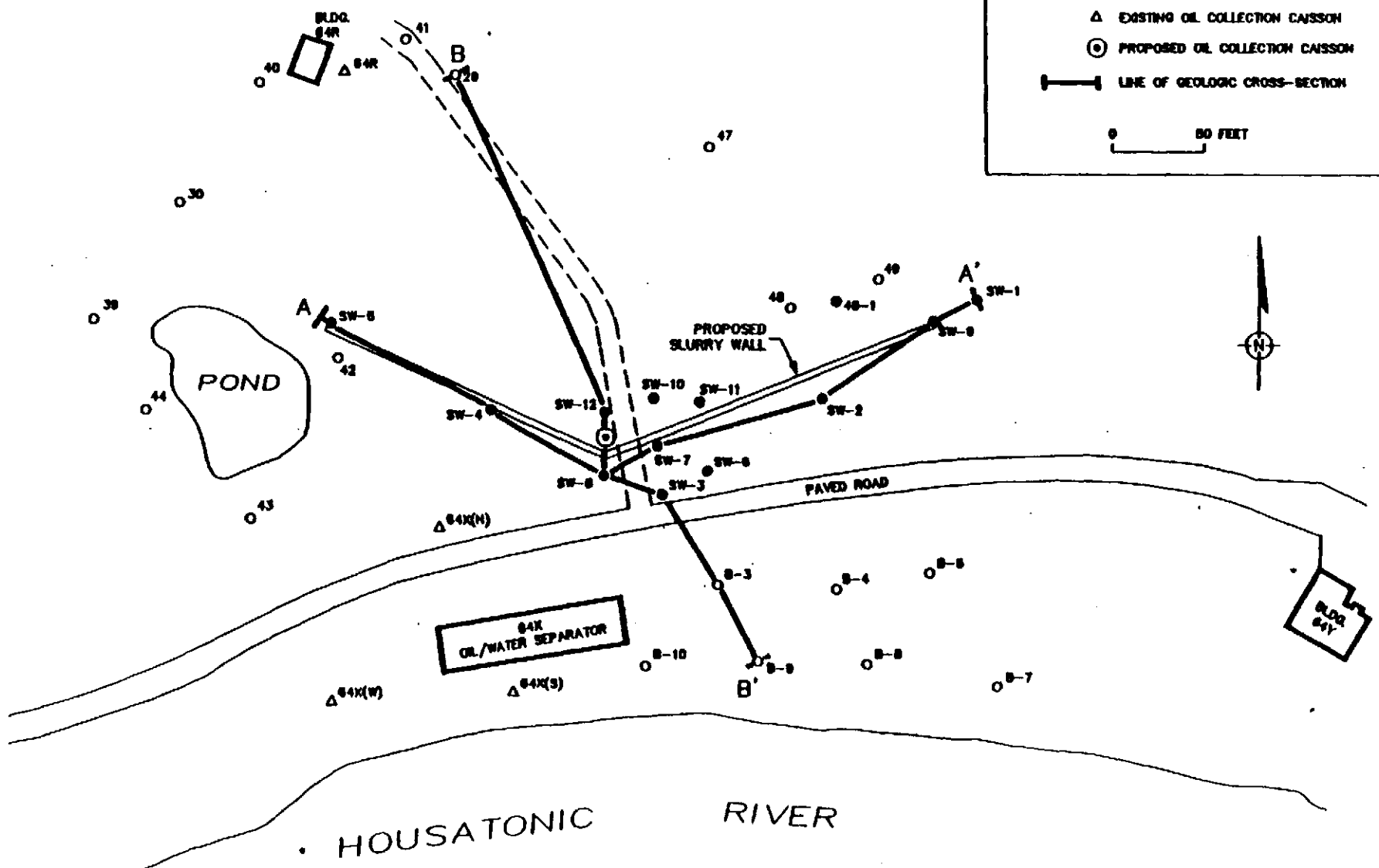
PREPARED BY: R. Eby HAMMER WEIGHT: 140 lb. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	5	-	-	Gravel, sand, clay (fill), no sample taken.
	5	7	.3	1-4- 2-4	Sand (40%), fine; gravel (40%) with some large pebbles; sand (20%), coarse. Poorly sorted fill with trace of bentonite slurry material.
	7	9	1.5	9-8- 9-9	Sand (90%), fine; gravel (5%); sand (5%), coarse. Sand with occasional gravel, tan to gray with iron staining, some bentonite trapped from above.
	9	11	1.5	10-10 11-11	Sand (75%), fine to medium; silt (15%); clay (10%); upper 0.4' fine, tan, well sorted sand with iron staining, grading into medium gray sand, lower 0.2' tan/brown, silty clay.
	11	13	1.5	7-7- 9-9	Sand (100%), fine to medium; fine, tan, sand grading into gray, medium, sand with depth, some iron staining, most of sample is wet.
	13	15	1.5	3-4- 5-6	Sand (98%), fine; silt (trace); coarse sand (trace). Uniform fine sand, tan near top, (upper .3'), grades into well sorted gray sand (saturated with water).
	15	17	1.5	6-6- 7-9	Sand (100%), fine, well sorted, greenish brown, black oil stain (0.3' thick) at 16.0', some oil, oily odor.

EXPLANATION

- SOIL BORING
- MONITORING WELL
- △ EXISTING OIL COLLECTION CAISSON
- ⊙ PROPOSED OIL COLLECTION CAISSON
- LINE OF GEOLOGIC CROSS-SECTION

0 50 FEET



SUBJECT: **PROPOSED SLURRY WALL LOCATION**

FIGURE 1

SAMPLE/CORE LOG

Boring SW-1 Project/No. N0360E56 Page 1 of 1
 Site Location Pittsfield, MA (Area 2) Drilling Started 8/7/86 Drilling Completed 8/7/86
 Total Depth Drilled 20 feet Hole Diameter 8 inches Type of Sample/
 Coring Device Split Spoon
 Length and Diameter of Coring Device 2 ft x 2 in Sampling Interval 2 feet
 Land-Surface Elev. 977.5 feet Surveyed Estimated Datum MSL
 Drilling Fluid Used None Drilling Method Auger
 Drilling Contractor Parratt-Wolff, Inc. Driller Mike Helper Jeff
 Prepared By D. Colton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	14 in	5-17-13-8	Topsoil (0-0.5 ft)
2	4	18 in	8-11-7-14	Sand, fine, silty, brown; with fine gravel and cobbles and thin gray silt seams (0.5-4 ft)
4	6	18 in	8-6-5-5	Sand, fine, silty, dark brown (4-5 ft) Sand fine, orange-brown; well sorted (5-6 ft)
6	8	18 in	6-4-5-6	Sand, fine, silty, gray-brown (damp)
8	10	8 in	6-9-6-6	Sand, fine, silty, brown & dark gray; with fine to medium gravel
10	12	10 in	5-5-7-7	Sand, fine, brown; trace silt
12	14	14 in	5-7-9-10	do
14	16	15 in	9-10-12-12	Sand, fine, silty, brown (wet)
16	18	20 in	11-11-13-6	do (16-17.5 ft) Sand, fine to coarse, brown and gray; with fine to medium gravel, and brown silt
18	20	18 in	8-8-10-12	Sand, fine to coarse, brown; with fine to coarse gravel and brown silt

SAMPLE/CORE LOG

Boring SW-2 Project/No. N0360ES6 Page 1 of 2
 Site Location Pittsfield, MA (Area 2) Drilling Started 8/8/86 Drilling Completed 8/8/86
 Total Depth Drilled 28 feet Hole Diameter 8 inches Type of Sample/
 Coring Device Split Spoon
 Length and Diameter of Coring Device 2 ft x 2 inches Sampling Interval 2 feet
 Land-Surface Elev. 975 feet Surveyed Estimated Datum MSL
 Drilling Fluid Used None Drilling Method Auger
 Drilling Contractor Parratt-Wolff, Inc. Driller Mike Helper Jeff
 Prepared By D. Colton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	18 in	3-4-5-6	Topsoil (0-0.5 ft)
				Sand, fine, silty, dark brown; some fine gravel (0.5-2 ft)
2	4	20 in	6-8-13-12	Sand, fine, orange-brown; with silt
4	6	14 in	5-12-12-10	Sand, fine, silty, brown; trace gravel (4-5 ft)
				Sand, fine to medium, brown; some silt, trace fine gravel (5-6 ft)
6	8	14 in	8-11-11-8	Sand, fine, silty, brown (6-7 ft)
				Sand, fine to medium, brown; some fine to medium gravel and brown silt (7-8 ft)
8	10	10 in	6-8-7-6	do
10	12	12 in	5-5-3-3	Gravel, fine to coarse; with fine to medium brown sand, some silt (10-11 ft) - (odor and sheen)
				Sand, fine to medium, gray-brown; little silt (11-12 ft) - (odor and sheen)
12	14	14 in	6-6-5-5	Sand, fine to medium, gray; some silt (wet) (free oil)
14	16	14 in	3-3-4-9	do
16	18	16 in	5-6-6-6	do

SAMPLE/CORE LOG

Boring SW-3 Project/No. N0360ES6 Page 1 of 1
 Site Location Pittsfield, MA (Area 2) Drilling Started 8/8/86 Drilling Completed 8/8/86
 Total Depth Drilled 28 feet Hole Diameter 8 inches Type of Sample/
 Length and Diameter of Coring Device 2 ft x 2 in Coring Device Split Spoon Sampling Interval 2 feet
 Land-Surface Elev. 975 feet Surveyed Estimated Datum MSL
 Drilling Fluid Used None Drilling Method Auger
 Drilling Contractor Parratt-Wolff, Inc. Driller Mike Helper Jeff
 Prepared By D. Colton Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	14 in	6-5-5-5	Topsoil (0-0.5 ft)
				Sand, fine, silty, brown; trace fine gravel (0.5-2 ft)
2	4	8 in	4-3-2-3	do (2-3 ft)
				Sand, fine, orange-brown; trace silt (3-4 ft)
4	6	14 in	3-6-6-10	do (light brown)
6	8	14 in	7-8-8-9	Sand, fine, light brown; with gray and brown sandy silt seams
8	10	18 in	6-6-6-6	Sand, fine, brown; some silt
10	12	20 in	5-4-3-3	Sand, fine, silty, gray-brown (wet)
12	14	22 in	6-4-5-6	do
14	16	20 in	3-4-5-10	do
16	18	20 in	6-5-6-5	do
18	20	20 in	3-5-6-4	do
20	22	20 in	10-8-9-7	Sand, fine to coarse, gray-brown; and fine to medium gravel (slight odor and sheen)
22	24	20 in	10-11-12-10	Sand, fine to medium, with fine gravel and cobbles
24	26	18 in	13-15-11-10	do
26	28	18	15-13-10-11	do

SAMPLE/CORE LOG

Boring SW-4 Project/No. N0360ES4 Page 1 of 2
 Site Location Pittsfield, MA (Area 2) Drilling Started 8/11/86 Drilling Completed 8/11/86
 Total Depth Drilled 28 (feet)
 Hole Diameter 8 (inches) Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2 ft x 2 inches Sampling Interval 2 feet
 Drilling Fluid Used None Drilling Method Auger
 Drilling Contractor Parratt-Wolff, Inc. Driller Wayne Helper Karl
 Prepared By N. Childs Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	9 in	5-7-7-4	Topsoil (2 in)
				Brick and cinder
2	4	18 in	2-5-7-6	Silt and sand, fine; with cinder and pebbles
4	6	12 in	6-11-10-14	Silt and sand, fine, brown and tan; with fine pebbles
6	8	9 in	8-8-8-13	Silt and sand, fine, tan; with pebbles and cinder
3	10	8 in	5-1-2-4	Silt and sand, fine, tan; with pebbles
				Sand and cinder; with wood chips
				(9.5-10 ft) - (black staining and free oil)
10	12	9 in	4-3-7-5	Sand and cinder (6 in) - (black staining and free oil)
				Sand and silt, fine, tan (black staining and free oil)
12	14	18 in	4-5-6-7	Sand and silt, fine, tan (green-black staining and free oil)

SAMPLE/CORE LOG

Boring SW-5 Project/No. N0360ES4 Page 1 of 2
 Site Location Pittsfield, MA (Area 2) Drilling Started 8/11/86 Drilling Completed 8/11/86
 Total Depth Drilled 28 (feet)
 Hole Diameter 8 (inches) Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2 ft x 2 in Sampling Interval 2 feet
 Drilling Fluid Used None Drilling Method Auger
 Contractor Parratt-Wolff, Inc. Driller Wayne Helper Karl
 Prepared By N. Childs Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	12 in	1-2-8-11	Topsoil (4 in)
				Sand, cinder, and gravel, black and copper
2	4	12 in	6-8-11-14	Sand and cinder, with slag (4 in)
				Sand and silt, fine, orange-tan; with gravel
4	6	5 in	3-3-5-9	Sand and silt, fine, brown and tan; with gravel
6	8	12 in	5-6-10-9	Sand and silt, fine, brown and tan; with gravel (4 in)
				Sand and silt, fine, greenish-gray; with gravel
8	10	12 in	7-7-7-10	Sand and silt, fine, greenish-gray; and brown; with gravel
10	12	12 in	6-10-11-14	Silt and sand, fine, brown; some gravel (odor)
12	14	0	8-5-7-8	No recovery

SAMPLE/CORE LOG

Boring SW-6 Project/No. N0360ES4 Page 1 of 2

Site Location Pittsfield, MA (Area 2) Drilling Started 8/12/86 Drilling Completed 8/12/86

Total Depth Drilled 28 (feet)

Hole Diameter 8 (inches) Type of Sample/
Coring Device Split Spoon

Length and Diameter of Coring Device 2 ft x 2 inches Sampling Interval 2 feet

Drilling Fluid Used None Drilling Method Auger

Drilling Contractor Parratt-Wolff, Inc. Driller Wayne Helper Karl

Prepared By N. Childs and B. Blum Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	8 in	2-5-4-3	Topsoil (4 in)
				Sand, fine, orange-tan
2	4	12 in	4-5-7-7	Sand, fine to medium, tan-orange; some coarse sand
4	6	18 in	3-4-7-9	Sand, medium, light tan
6	8	16 in	7-7-8-9	Sand, medium, light tan (7 in)
				Sand and silt, fine, tan and orange
8	10	9 in	4-5-6-6	Silt, tan and orange; with fine sand
10	12	12 in	5-5-9-14	Sand and silt, fine, tan (4 in)
				Sand and fine gravel, white-tan
12	14	12 in	9-10-14-11	Sand, medium to coarse, and fine gravel, white-tan (wet at 13.5 ft)
14	16	12 in	10-9-8-7	Sand, coarse, and fine gravel, gray; trace of silt (odor)
16	18	24 in	6-9-10-10	do
18	20	0	4-7-8-8	No recovery

SAMPLE/CORE LOG

Boring SW-7 Project/No. N0360ES4 Page 1 of 2
 Site Location Pittsfield, MA (Area 2) Drilling Started 8/12/86 Drilling Completed 8/12/86
 Total Depth Drilled 32 (feet)
 Hole Diameter 8 (inches) Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2 ft x 2 inches Sampling Interval 2 feet
 Drilling Fluid Used None Drilling Method Auger
 Drilling Contractor Parratt-Wolff, Inc. Driller Wayne Helper Karl
 Prepared By N. Childs and B. Blum Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	12 in	2-4-9-10	Sand, medium, brown; with silt and organic debris (4 in)
				Brick (4 in)
				Sand, medium, brown; with gravel and pebbles
2	4	12 in	4-5-7-7	Fill; silt and pebble size material
				Sand, fine, brown (3 in)
4	6	14 in	2-2-3-3	Sand, medium to coarse, brown
6	8	16 in	3-3-5-6	Sand, medium to coarse, brown
				Sand and silt (3 in)
8	10	14 in	8-5-4-14	Sand, medium to coarse, light brown; with fine sand and silt
10	12	12 in	6-6-7-7	Sand, fine, brown; with medium sand and gravel (moist)
12	14	12 in	10-10-10-10	Sand, medium to coarse; some gravel and pebbles (hit water and free oil at 13.5 ft)

SAMPLE/CORE LOG

Boring SW-8 Project/No. N0360ES4 Page 1 of 2
 Site Location Pittsfield, MA (Area 2) Drilling Started 8/12/86 Drilling Completed 8/12/86
 Total Depth Drilled 28 (feet)
 Hole Diameter 8 (inches) Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2 ft x 2 inches Sampling Interval 2 feet
 Drilling Fluid Used None Drilling Method Auger
 Drilling Contractor Parratt-Wolff, Inc. Driller Wayne Helper Karl
 Prepared By N. Childs Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	8 in	2-3-7-9	Topsoil (6 in) Silt, brown; with pebbles
2	4	0	5-5-3-8	No recovery
4	6	6 in	5-5-3-7	Silt and sand, fine; with pebbles
6	8	0	4-3-7-7	No recovery
8	10	20 in	5-6-13-13	Silt and clay, tan and orange (18 in) Sand, medium, light tan and orange
10	12	14 in	3-7-10-10	Silt, brown (3 in) Sand, fine to medium, and silt, tan (7 in) Gravel, fine, and coarse sand, orange-tan (4 in)
12	14	9 in	9-10-7-12	Silt and sand, fine, dark brown to tan (4 in) Gravel and coarse sand, tan and orange (odor)
14	16	18 in	7-10-10-8	Sand, coarse; with gravel and trace of silt (green-gray staining, free oil, odor)

SAMPLE/CORE LOG

Boring SW-9 Project/No. N0360ES4 Page 1 of 2
 Site Location Pittsfield, MA (Area 2) Drilling Started 8/13/86 Drilling Completed 8/13/86
 Total Depth Drilled 28 (feet)
 Hole Diameter 8 (inches) Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2 ft x 2 inches Sampling Interval 2 feet
 Drilling Fluid Used None Drilling Method Auger
 Drilling Contractor Parratt-Wolff, Inc. Driller Wayne Helper Karl
 Prepared By N. Childs Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	12 in	1-5-10-45	Topsoil (4 in) Silt, sand, and pebbles
2	4	6 in	24-15-10-10	Silt, sand, and pebbles
4	6	12 in	5-6-7-13	Sand and silt, fine, orange-tan; with pebbles
6	8	16 in	10-12-14-14	Gravel, pebbles, and coarse sand, orange- tan; with tan fine sand and silt
8	10	20 in	5-5-7-7	Silt, sand, and fine gravel, brown-orange; with pebbles (12 in) Sand, coarse, light tan with black and orange bands
10	12	12 in	2-4-4-4	do (10 in) Sand, fine, orange-tan
12	14	18 in	4-5-6-7	Sand, fine, orange-tan; with medium to coarse brown sand, pebbles, and silt
14	16	18 in	4-4-6-6	Sand, fine, alternating with layers of silt, orange and tan; some mica
16	18	24 in	4-5-5-8	do

SAMPLE/CORE LOG

Boring 48-1 Project/No. NO360ES4 Page 1 of 2

Site Location Pittsfield, MA Drilling Started 8/8/86 Drilling Completed 8/8/86

Total Depth Drilled 18 (feet)

Hole Diameter 8 (inches) Type of Sample/ Coring Device Split Spoon

Length and Diameter of Coring Device 2 ft x 2 inches Sampling Interval 2 feet

Drilling Fluid Used None Drilling Method Auger

Drilling Contractor Parratt-Wolff, Inc. Driller Wayne Helper Karl

Prepared By N. Childs Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	9 in	1-3-7-5	Topsoil (4 in) Fill: silt, sand and gravel
2	4	8 in	2-2-5-4	do
4	6	11 in	3-4-5-12	Silt and fine sand, brown, orange-brown and black; with mica
6	8	12 in	6-6-5-6	Sand, fine to medium, orange tan and black, with mica
8	10	12 in	5-7-15-11	do (8-8.5 ft) Sand, medium to coarse and gravel (8.5-10ft)
10	12	12 in	6-6-6-6	Sand, medium to coarse and fine gravel, tan and black; with mica
12	14	18 in	3-4-5-5	Sand, medium to coarse, tan and orange; with fine sand, silt, pebbles and mica
14	16	10 in	3-4-6-8	Sand, coarse; with trace of silt (greenish staining and free oil at 15 ft)

SAMPLE/CORE LOG

Well 49 Project/No. N0360E54 Page 1 of 2

Site Location Pittsfield, MA (Area 2) Drilling Started 8/8/86 Drilling Completed 8/8/86

Total Depth Drilled 26 (feet)

Hole Diameter 8 (inches) Type of Sample/ Coring Device Split Spoon

Length and Diameter of Coring Device 2 ft x 2 inches Sampling Interval 2 feet

Drilling Fluid Used None Drilling Method Auger

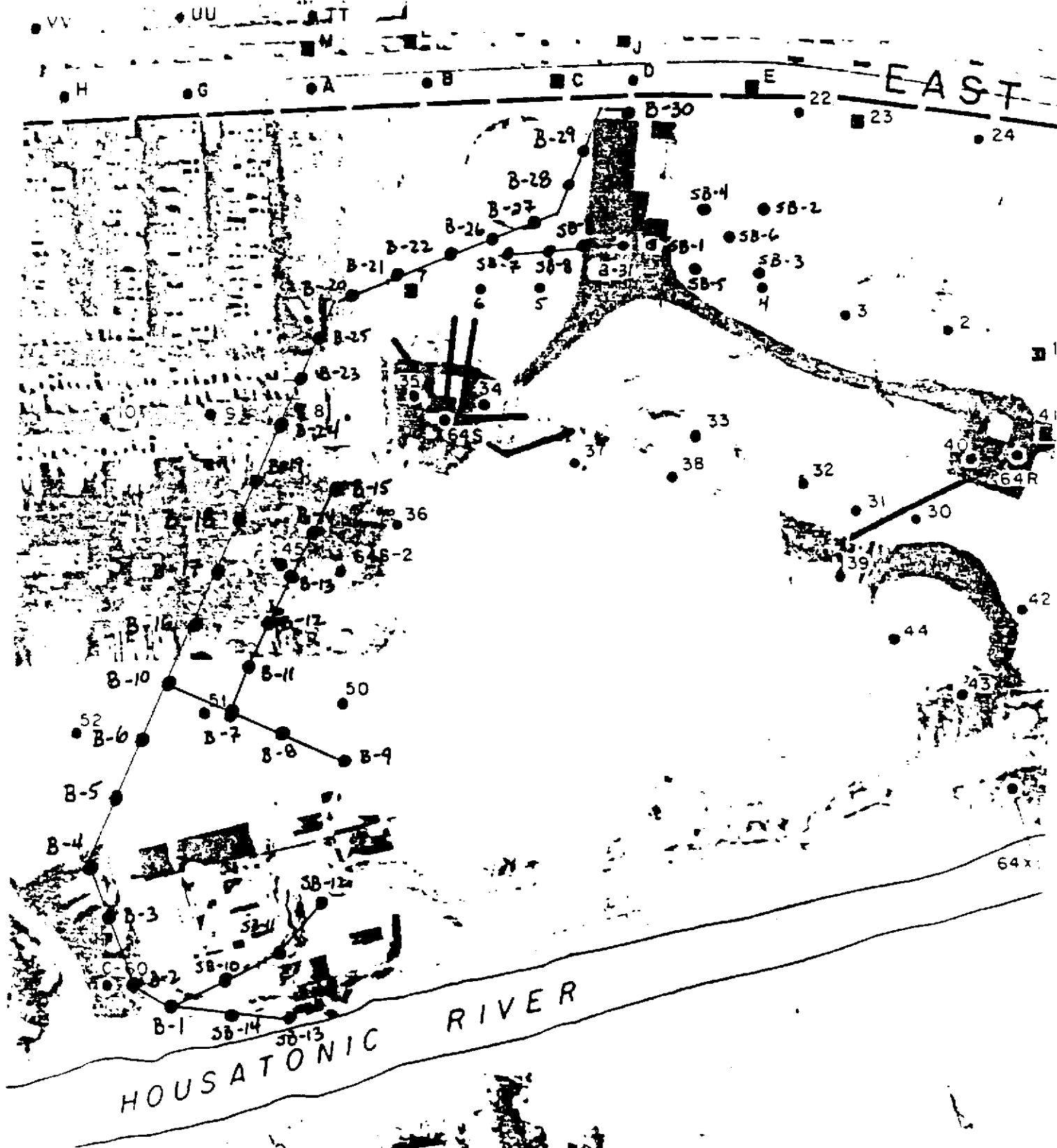
Drilling Contractor Parratt-Wolff, Inc. Driller Wayne Helper Karl

Prepared By N. Childs Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	12 in	2-13-8-5	Topsoil (5 in)
				Fill; silt, sand and gravel
2	4	10 in	2-3-4-3	Fill; silt, sand and fine gravel, orange brown
4	6	10 in	4-6-3-3	Fill; silt, sand, fine gravel and cinder
6	8	16 in	4-6-10-12	do (2 in)
				Sand, fine to medium, orange-tan; with mica
8	10	24 in	5-7-9-6	do
10	12	0	4-5-6-6	No recovery
12	14	12 in	6-9-10-8	Sand, medium to coarse; some fine gravel and silt (7 in)
				Sand, medium, tan-orange, with bands of mica
14	16	16 in	3-6-6-9	Sand, fine to medium, grayish-tan and orange; some silt and mica

SOIL BORING LOCATIONS

B-SERIES AND SB-SERIES



SAMPLE/CORE LOG

Boring/Well B-14 Project/No. GE/N0360ES7 Page 1 of 1
 Site Location Pittsfield, MA Drilling Started 11/6/86 Drilling Completed 11/6/86
 Total Depth Drilled 10 feet Hole Diameter 2 inches Type of Sample/Coring Device Split Spoon
 Length and Diameter of Coring Device 2" x 2' Sampling Interval 2 feet
 Land-Surface Elev. - feet Surveyed Estimated Datum -
 Drilling Fluid Used - Drilling Method Auger
 Drilling Contractor CATOH Driller Art Helper Art, Jr.
 Prepared By D. Schantz Hammer Weight 140 Hammer Drop 36 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	1.5	12-12-11-10	Sand, medium-fine, silty, dark brown/orange (0-1.0) Some gravel and wood
2	4	0.5	9-9-11-10	Sand, medium-fine, dark brown, with gravel
4	6	0	5-5-8-2	No recovery
6	8	0	4-6-8-8	No recovery
8	10	1.0	8-8-7-7	Sand, medium-fine, dark brown, silty, oily water at 8.0
Augered down and re-sampled 4-6, 6-8				
4	6	2.5	38-11-8-4	Sand, medium-fine, dark brown, some gravel
6	8		11-8-3-4	Sand, medium-fine dark brown/gray, some silt, gravel Water 7.5'
Composite Sample of (0-6' submitted).				

SAMPLE/CORE LOG

Boring/Well B-15 Project/No. GE/N0360ES7 Page 1 of 1
 Site Location Pittsfield, MA Drilling Started 11/6/86 Drilling Completed 11/6/86
 Total Depth Drilled 8 feet Hole Diameter 2 inches Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2" x 2' Sampling Interval 2 feet
 Land-Surface Elev. - feet Surveyed Estimated Datum -
 Drilling Fluid Used - Drilling Method Auger
 Drilling Contractor CATOH Driller Art Helper Art, Jr.
 Prepared By D. Schantz Hammer Weight 140 Hammer Drop 36 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	1.0	4-4-10- 14	Sand, medium-fine, dark brown, with gravel
2	4	1.0	6-11-3-4	Sand, medium-fine, dark brown, with gravel and porcelain
4	6	0	3-3-6-8	No recovery
6	8	1.5	7-7-6-8	Sand, medium-fine, dark brown, with gravel and wood (6-6.3)
				Cement, gray (6.3-6.5)
				Sand, medium-fine, dark brown, silty (6.5-6.7)
				Glass, green (6.7-6.8)
				Sand, medium-fine, brown, silty (6.8-7.2)
				Cement, white, crumbly (7.2-7.5)

odor

SAMPLE/CORE LOG

Boring/Well B-21 Project/No. N0360ES7 Page 1 of 1
 Site Location Pittsfield, MA Drilling Started 11/6/86 Drilling Completed 11/6/86
 Total Depth Drilled 12 feet Hole Diameter 2 inches Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2" x 2' Sampling Interval 2 feet
 Land-Surface Elev. - feet Surveyed Estimated Datum -
 Drilling Fluid Used - Drilling Method -
 Drilling Contractor CATOH Driller Art Helper Art, Jr.
 Prepared By D. Schantz Hammer Weight 140 Hammer Drop 36 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description
From	To			
0	2	2	2-2-5-6	Top soil, dark brown, silty with grass (0-0.2)
				Sand, fine, dark brown, silty (0.2-1.0)
				Sand, medium-fine, dark brown/black, mixed with gravel (1.0-1.5)
				Sand, medium-fine, red-brown, with brick
2	4	1.5	9-10-13-6	Silty sand, medium brown with gravel and brick and wood
4	6	2.0	12-14-14-19	Cinders, black, with sand, medium-fine, dark gray and silt (4-5)
				Sand, medium fine, dark brown (5.0-6.0)
6	8	0.5	35-60-25-22	Cinders, black, with sand, medium-fine, dark gray (6.0-6.2)
				Limestone pieces (6.2-6.5)
8	10	2	27-17	Cinders, white (8-8.2)
			10-9	Cinders, black, with coarse sand and silt (8.2-8.8)
				Sand, fine dark brown/gray, silty, odor
10	12	1.5	9-7-7-6	Same

SAMPLE/CORE LOG

BORING/WELL: SB-1 PROJECT NO: N0360SB1 PAGE: 1 of 2
 SITE General Electric DRILLING 14:00 PM DRILLING 16:00 PM
 LOCATION: Pittsfield, MA STARTED: 2/17/87 COMPLETED: 2/17/87
 TOTAL DEPTH HOLE TYPE OF SAMPLE/
 DRILLED: 20 FT DIAMETER: 8 IN CORING DEVICE: Split Spoon
 LENGTH & DIAMETER SAMPLING
 OF CORING DEVICE: 2 FT x 2 IN INTERVAL: 2 feet
 LAND-SURFACE { } SURVEYED
 ELEVATION: { } ESTIMATED DATUM: _____
 DRILLING FLUID USED: None DRILLING METHOD: Hollow Stem Auger
 DRILLING
 CONTRACTOR: Soil & Mat'l Testing DRILLER: Dan HELPER: Kenny
 PREPARED BY: Nick Childs HAMMER WEIGHT: 140 lbs. HAMMER DROP: 30"

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	2'4"	0	100/0"	Cobbles (40%); gravel (40%); sand (10%) silt (10%); Drill brown, poorly sorted, frozen.
	2'4"	2'8"	4"	100/4"	Cinder (70%); sand (10%); silt (10%); gravel (10%); black, poorly sorted, coal tar odor.
	2'8"	3	0"	Drill	
	3	3'3"	3"	100/3"	Sand (45%), fine; silt (45%); gravel (10%); greenish tan with some black staining, poorly sorted, coal tar odor.
	3'3"	4	0	Drill	
	4	6	22"	29/39/ 90/ 100/4"	Sand (40%), fine; silt (40%); gravel (20%); brown grading into greenish tan at 5' with some black staining, poorly sorted, coal tar odor.
	6	8	16"	49/46/ 30/36	6-7': Same as above. 7-8': Cinder (70%); sand (10%); silt (10%); gravel (10%); black, poorly sorted, coal tar odor.
	8	10	12"	15/17/ 11/8	Sand (40%), fine; silt (40%); cinder (15%); gravel (5%); greenish tan and black, poorly sorted, coal tar odor.
	10	12	3"	9/14/ 10/9	Sand (45%), fine; silt (45%); cinder (10%); greenish tan and black, moderately sorted, coal tar odor.
	12	14	6"	8/10/ 8/10	Sand (35%), silt (35%), gravel (30%); multicolored, poorly sorted, coal tar odor.
	14	16	9"	15/16/ 11/12	Same as above.

SAMPLE/CORE LOG

BORING/WELL: SB-2

PROJECT NO: NO360SB1

PAGE: 1 of 2

SITE General Electric
 LOCATION: Pittsfield, MA

DRILLING 10:30 AM
 STARTED: 2/18/87

DRILLING 12:30 PM
 COMPLETED: 2/18/87

TOTAL DEPTH
 DRILLED: 20 FT

HOLE
 DIAMETER: 6 IN

TYPE OF SAMPLE/
 CORING DEVICE: Split Spoon

LENGTH & DIAMETER
 OF CORING DEVICE: 2' x 2"

SAMPLING
 INTERVAL: 2 feet

LAND-SURFACE
 ELEVATION: _____

() SURVEYED
 () ESTIMATED DATUM: _____

DRILLING FLUID USED: None

DRILLING METHOD: Hollow Stem Auger

DRILLING

CONTRACTOR: Soil & Mat'l. Testing DRILLER: Dan

HELPER: Kenny

PREPARED BY: Nick Childs

HAMMER WEIGHT: 140 lbs. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	2	18"	6/14/	0-.5': Topsoil.
				14/17	.5-1': Sand (90%), fine-medium; silt (10%); brown, moderately sorted.
					1-2': Sand (85%), medium-coarse; silt (10%); gravel (5%); brown and tan, poorly sorted.
	2	4	24"	21/16/	Sand (60%); gravel (25%); silt and ash (15%); gray, poorly sorted.
				12/9	
	4	6	9"	13/15/	Sand (60%), medium-coarse; gravel (35%); silt (5%); gray, poorly sorted.
				17/15	
	6	8	15"	20/12/	Same as above.
				10/12	
	8	10	10"	10/10/	Same as above.
				12/11	
	10	12	16"	14/10/	10-11': Same as above.
				6/7	11-12': Sand, coarse, gray, moderately sorted.
	12	14	9"	8/6/	Sand (80%), coarse; gravel (20%); gray, poorly sorted.
				6/7	
	14	16	0	10/8/	No recovery.
				8/7	
	16	18	14"	13/10/	16-16.5': Silt (95%), brown; gravel (5%); moderately sorted.
				14/15	
					16.5-18': Sand (60%); gravel (35%); silt (5%); gray, poorly sorted, coal tar odor.

SAMPLE/CORE LOG

BORING/WELL: SB-4 PROJECT NO: NO360SB1 PAGE: 1 of 1

SITE General Electric DRILLING 08:20 DRILLING 10:30
 LOCATION: Pittsfield, MA STARTED: 2/19/87 COMPLETED: 2/19/87

TOTAL DEPTH 20 ft. HOLE 6 in. TYPE OF SAMPLE/
 DRILLED: 20 ft. DIAMETER: 6 in. CORING DEVICE: Split Spoon

LENGTH & DIAMETER 2' x 2" SAMPLING 2 feet
 OF CORING DEVICE: 2' x 2" INTERVAL: 2 feet

LAND-SURFACE () SURVEYED
 ELEVATION: () ESTIMATED DATUM: _____

DRILLING FLUID USED: None DRILLING METHOD: Hollow Stem Auger

DRILLING CONTRACTOR: Soil & Mat'l Testing DRILLER: Dan HELPER: Kenny

PREPARED BY: Nick Childs HAMMER WEIGHT: 140 lbs. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	2	24"	15/24	0-.5': Topsoil
				23/32	.5-2': Sand (40%); gravel (30%); silt (30%); brown, poorly sorted.
	2	4	5"	60/32/	Cobbles (35%); gravel (35%); crushed rock (30%);
				27/22	multicolored, poorly sorted.
	4	6	12"	13/7/	4-5.5': Sand (40%); gravel (30%); silt (30%); brown,
				7/7	poorly sorted.
	6	8	18"	7/6/	Same as above.
				6/7	
	8	10	5"	8/7/	Cobbles (30%); gravel (30%); sand (20%); silt (20%);
				19/22	multicolored, poorly sorted.
	10	12	12"	18/13/	Gravel (40%); cobbles (20%); sand (20%); silt (20%);
				10/11	multicolored, poorly sorted.
	12	14	12"	13/12/	Gravel (40%); sand (40%); silt (20%); multicolored
				16/14	(mainly gray), poorly sorted.
	14	16	12"	12/10	Same as above; slight odor.
				15/13	
	16	18	12"	10/10	Same as above; coal tar odor.
				15/14	
	18	20	4"	18/16/	Gravel (70%); sand (20%); silt (10%); gray, poorly
				19/13	sorted, free oil in spoon, coal tar odor. Fluid at 18.5'.

SAMPLE/CORE LOG

BORING/WELL: SB5 PROJECT NO: NO360SB1 PAGE: 1 of 2

SITE General Electric DRILLING 13:00 DRILLING 15:50
 LOCATION: Pittsfield, MA STARTED: 2/19/87 COMPLETED: 2/19/87

TOTAL DEPTH 20 ft. HOLE DIAMETER: 6 in. TYPE OF SAMPLE/
 DRILLED: 20 ft. CORING DEVICE: Split Spoon

LENGTH & DIAMETER OF CORING DEVICE: 2' x 2" SAMPLING INTERVAL: 2 feet

LAND-SURFACE ELEVATION: () SURVEYED
() ESTIMATED DATUM: _____

DRILLING FLUID USED: None DRILLING METHOD: Hollow Stem Auger

DRILLING CONTRACTOR: Soil & Mat'l Testing DRILLER: Dan HELPER: Kenny

PREPARED BY: Nick Childs HAMMER WEIGHT: 140 lbs. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	2	12"	24/53/	0-.5': Topsoil.
				43	.5-2': Sand (60%); silt (35%); gravel (5%); brown,
				100/3"	poorly sorted.
				Drill	Refusal at 1'9". Backed rig up 5' and resumed
					sampling at 2'.
	2	4	24"	4/4/	Cinder (80%); sand (10%); silt (10%); black, poorly
				4/4	sorted, coal tar odor.
	4	6	24"	6/4/	Sand (60%); cinder (30%); silt (10%); black
				4/5	and brown, poorly sorted, moist, coal tar odor.
	6	8	6"	6/7/	Sand (75%); gravel (15%); silt (10%); brown, poorly
				7/5	sorted, moist, coal tar odor.
	8	10	6"	4/7/	Sand (60%); gravel (30%); silt (10%); brown, poorly
				9/5	sorted, moist, coal tar odor.
	10	12	8"	2/3/	10-11': Silt (70%); sand (30%); dark brown,
				1/1	moderately sorted, moist, coal tar odor.
					11-12': Sand (40%); gravel (40%); silt (20%); brown,
					poorly sorted, moist, plant fiber.
	12	14	8"	3/5/	Same as above.
				7/26	
	14	16	16"	11/10/	14-14.5': Same as above.
				16/18	14.5-16': Sand (55%); gravel (30%); silt (15%) multi-
					colored (mainly brown), poorly sorted, moist, coal
					tar odor.

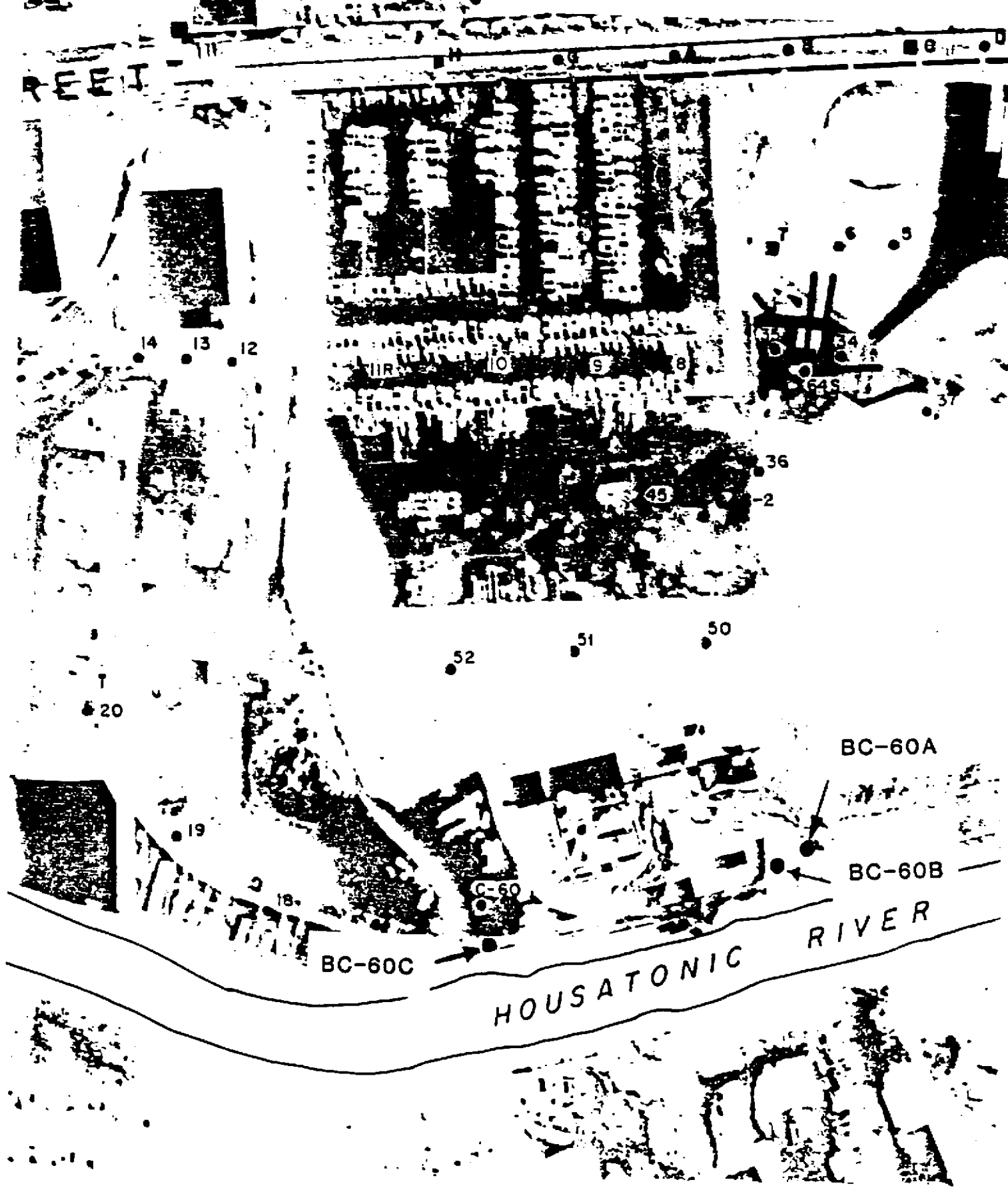
SAMPLE/CORE LOG

BORING/WELL: SB-6 PROJECT NO: NO360SB1 PAGE: 1 of 2
 SITE General Electric DRILLING 10:45 DRILLING 15:30
 LOCATION: Pittsfield, MA STARTED: 2/26/87 COMPLETED: 2/26/87
 TOTAL DEPTH 45 ft. HOLE 6 in. TYPE OF SAMPLE/
 DRILLED: 45 ft. DIAMETER: 6 in. CORING DEVICE: Split Spoon
 LENGTH & DIAMETER 2' x 2" SAMPLING 2 feet
 OF CORING DEVICE: 2' x 2" INTERVAL: 2 feet
 LAND-SURFACE () SURVEYED
 ELEVATION: () ESTIMATED DATUM: _____
 DRILLING FLUID USED: None DRILLING METHOD: Hollow Stem Auger
 DRILLING CONTRACTOR: Soil & Mat'l Testing DRILLER: Dan HELPER: Kenny
 PREPARED BY: Nick Childs HAMMER WEIGHT: 140 lbs. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	2	22"	27/28/	0-.5': Topsoil
				46/49	.5-1.5': Sand (75%), fine; silt (20%); gravel (5%); brown, poorly sorted.
					1.5-2': Sand (50%); cinder (40%); silt (10%); brown and black, poorly sorted.
	2	4	16"	20/15/	Cinder (90%); sand (5%); silt (5%); black, poorly sorted.
				12/10	
	4	6	6"	3/3/	Sand (50%), fine; silt (40%); cinder (5%); gravel (5%); brown and black, poorly sorted.
				4/9	
	6	8	12"	9/5/	Sand (75%); gravel (15%); silt (10%); brown, poorly sorted.
				4/4	
	8	10	9"	14/13/	Sand (65%), fine; gravel (25%); silt (10%); multi-colored, poorly sorted.
				15/12	
	10	12	12"	11/13/	Sand (50%); gravel (40%); silt (10%); multi-colored, poorly sorted.
				11/11	
	12	14	12"	9/11/	Same as above.
				9/6	
	14	16	8"	6/6/	Same as above.
				9/12	
	16	18	16"	10/17/	Gravel (70%); silt (20%); sand (10%), fine; multi-colored (mainly gray), poorly sorted, coal tar odor.
				11/8	

SOIL BORING LOCATIONS

BC-SERIES



SAMPLE/CORE LOG

BORING (WELL) 53 PROJECT NO: NY360SW01 PAGE: 1

SITE Area 2 DRILLING DRILLING
 LOCATION: General Electric Co. STARTED: 12/15/87 COMPLETED: 12/16/87

TOTAL DEPTH HOLE TYPE OF SAMPLE/
 DRILLED: 29 ft DIAMETER: 8-1/4 in. CORING DEVICE: Split Spoon

LENGTH & DIAMETER SAMPLING
 OF CORING DEVICE: 2 ft x 2 in. INTERVAL: _____

LAND-SURFACE SURVEYED
 ELEVATION: _____ { } ESTIMATED DATUM: Land Surface

DRILLING FLUID USED: - DRILLING METHOD: Hollow Stem Auger

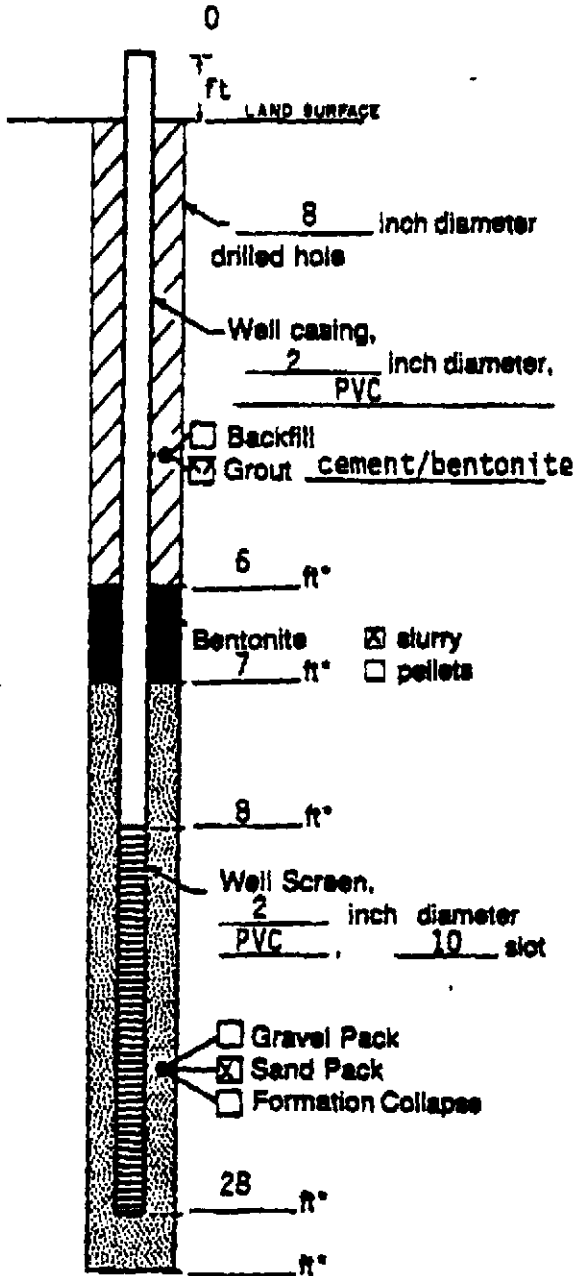
DRILLING
 CONTRACTOR: Soil & Mat'l. Testing DRILLER: Mike HELPER: Kenny

PREPARED BY: R. Eby HAMMER WEIGHT: 140 lb. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	5	-	-	Gravel, sand brick and concrete fragments (fill material), no sample taken.
	5	7	1.5	41-10-8-12	Sand (100%), medium tan, well sorted.
	7	9	1.5	8-7-6-7	Sand (100%), medium, rounded, well sorted, tan to light brown.
	9	11	1.5	7-6-8-8	Sand (100%), medium to fine, tan to gray, with iron staining, well sorted, slightly coarser with depth.
	11	13	1.8	4-5-4-6	Sand (97%), medium/fine, light brown to gray, some iron staining. Clay (3%), gray, occurring in thin layers.
	13	15	1.5	6-5-6-6	Sand (100%), medium to coarse, light gray/brown, well sorted lower .2' wet.
	15	17	1.5	4-4-4-5	Sand (60%), coarse, gray sand (40%) medium gray, wet saturated. Note: water table approximately 15 ft.
	17	19	.5	3-4-5-6	Sand (100%), coarse to medium, dark gray.
	19	21	1.7	4-7-8-8	Sand (100%), coarse to medium, gray.
	26	28	.5	9-8-11-13	Gravel (60%), angular, poorly sorted; sand (25%), coarse; sand (10%), fine; silt/clay (<5%) lower portion of sample lost, broken spring retainer.



WELL CONSTRUCTION LOG (UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

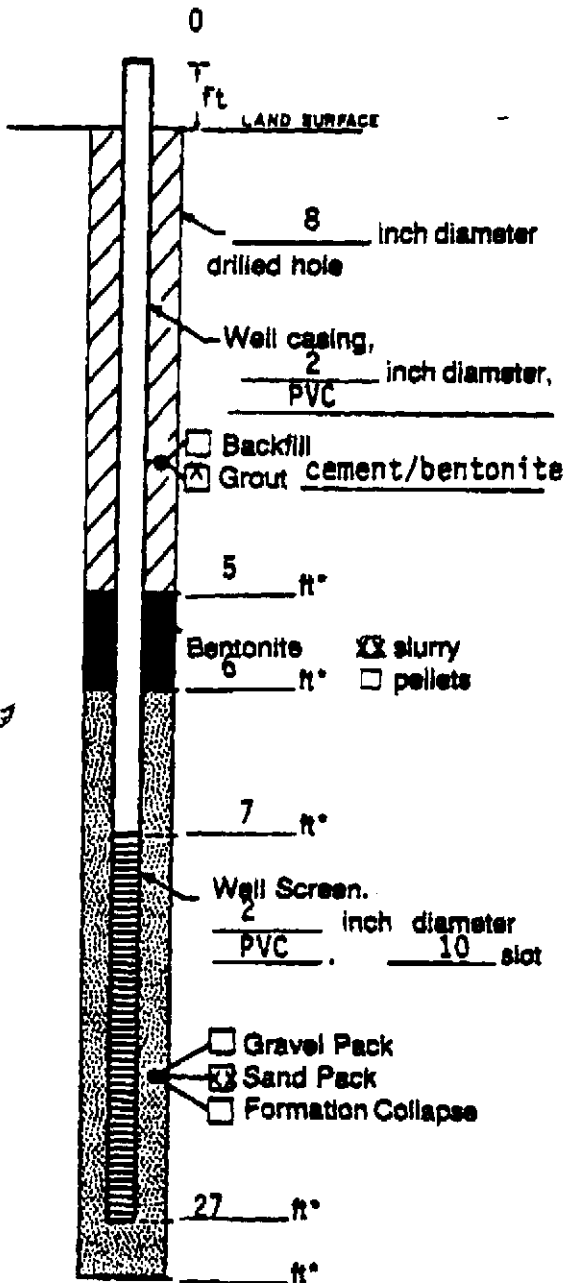
Project GE - Slurry Wall Well 53
 Town/City Pittsfield
 County Berkshire State MA
 Permit No. MA
 Land-Surface Elevation _____ feet Surveyed
 and Datum _____ feet Estimated
 Installation Date(s) 12/16/87
 Drilling Method Auger
 Drilling Contractor SMT
 Drilling Fluid _____
 Development Technique(s) and Date(s)
Pumping - 12/29/87
 Fluid Loss During Drilling _____ gallons
 Water Removed During Development 130 gallons
 Static Depth to Water 14.1 feet below M.P.
 Pumping Depth to Water _____ feet below M.P.
 Pumping Duration _____ hours
 Yield _____ gpm Date _____
 Specific Capacity _____ gpm/ft
 Well Purpose Monitoring

Remarks _____

Prepared by D. Colton



WELL CONSTRUCTION LOG (UNCONSOLIDATED)



Measuring Point is Top of Well Casing Unless Otherwise Noted.

*Depth Below Land Surface

Project GE - Slurry Wall Well 56

Town/City Pittsfield

County Berkshire State MA

Permit No. NA

Land-Surface Elevation and Datum _____ feet Surveyed Estimated

Installation Date(s) 12/22/87

Drilling Method Auger

Drilling Contractor SMT

Drilling Fluid _____

Development Technique(s) and Date(s) Pumping - 12/29/87

Fluid Loss During Drilling _____ gallons

Water Removed During Development 150 gallons

Static Depth to Water 16.2 feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date _____

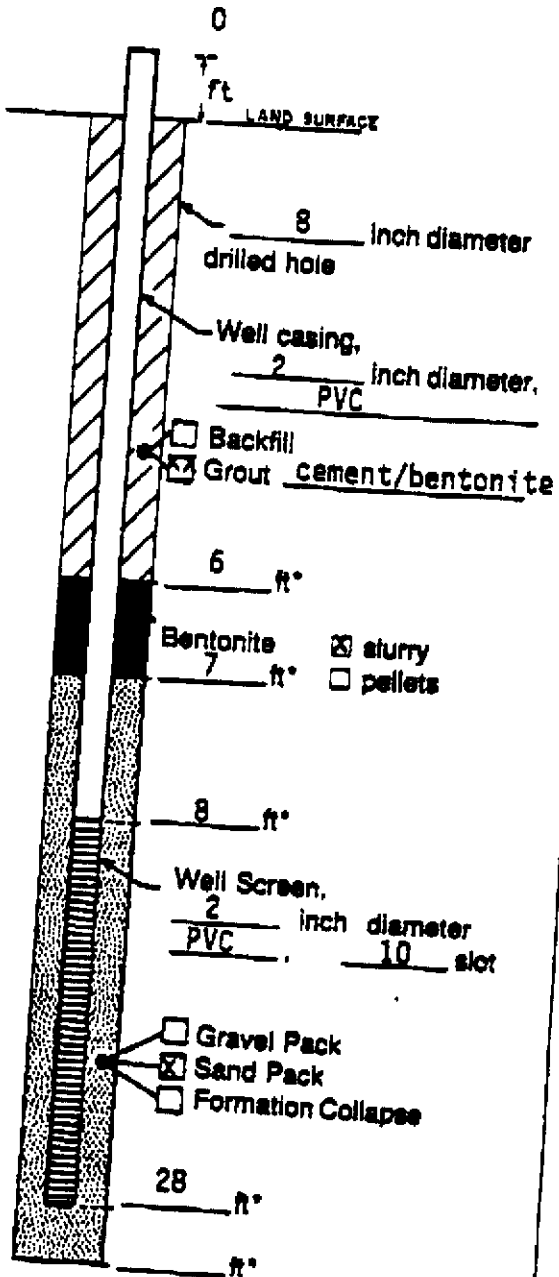
Specific Capacity _____ gpm/ft

Well Purpose Monitoring

Remarks _____

Prepared by D. Colton

WELL CONSTRUCTION LOG
(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project GE - Slurry Wall Well 53
 Town/City Pittsfield
 County Berkshire State MA
 Permit No. NA
 Land-Surface Elevation _____
 and Datum _____ feet Surveyed Estimated
 Installation Date(s) 12/16/87
 Drilling Method Auger
 Drilling Contractor SMT
 Drilling Fluid _____

Development Technique(s) and Date(s)
Pumping - 12/29/87

Fluid Loss During Drilling _____ gallon
 Water Removed During Development 130 gallon
 Static Depth to Water 14.1 feet below M.F.
 Pumping Depth to Water _____ feet below M.F.
 Pumping Duration _____ hours
 Yield _____ gpm Date _____
 Specific Capacity _____ gpm/ft
 Well Purpose Monitoring

Remarks _____

Prepared by D. Colton

SAMPLE/CORE LOG

BORING/WELL: 54 PROJECT NO: NY360SW01 PAGE: 1
 SITE: Area 2 DRILLING STARTED: 12/16/87 DRILLING COMPLETED: 12/21/87
 LOCATION: General Electric Co.
 TOTAL DEPTH DRILLED: 28 ft HOLE DIAMETER: 8-1/4 in. TYPE OF SAMPLE/CORING DEVICE: Split Spoon
 LENGTH & DIAMETER OF CORING DEVICE: 2 ft x 2 in. SAMPLING INTERVAL: continuous 5 to 17 ft
 LAND-SURFACE ELEVATION: _____ () SURVEYED ESTIMATED DATUM: Land Surface
 DRILLING FLUID USED: - DRILLING METHOD: Hollow Stem Auger
 DRILLING CONTRACTOR: Soil & Mat'l. Testing DRILLER: Mike HELPER: Kenny
 PREPARED BY: R. Eby HAMMER WEIGHT: 140 lb. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	5	-	-	Gravel - sand - clay (poorly sorted, fill), no samp. taken.
	5	7	1.0	8-13- 18-11	Gravel (40%); sand (40%), coarse; sand (20%), fine. Poorly sorted, sample contains ash and fragments of brick (fill).
	7	9	1.0	7-4- 5-4	Gravel (70%); sand (20%), coarse; sand (10%) fine; sample contains brick and cinder fragments (fill)
	9	11	1.5	4-3- 2-1	Sand (60%), fine; silt (20%); clay (20%); tan to light brown well sorted fine sand from 9-10 feet. Finer silt/clay from 10-11 feet (natural formation).
	11	13	1.5	2-2- 3-3	Sand (60%), coarse; sand (25%), fine; silt/clay (15%), gray to light brown, coarsens downward, moist near bottom.
	13	15	1.5	2-3- 4-4	Sand (90%), coarse; sand (10%) fine; organic debris, wood (trace); tan to gray, lower half of sample saturated, slightly oily odor. Note: Water table approximately 14 ft.
	15	17	1.5	-	Sand (90%), coarse; sand (5%) fine; organic debris (5%); fairly well sorted, rounded, tan to gray, slightly oily odor.

SAMPLE/CORE LOG

BORING/WELL: 55 PROJECT NO: NY360SW01 PAGE: 1

SITE: Area 2 DRILLING STARTED: 12/21/87 DRILLING COMPLETED: 12/21/87
 LOCATION: General Electric Co.

TOTAL DEPTH DRILLED: 29 ft HOLE DIAMETER: 8-1/4 in. TYPE OF SAMPLE/CORING DEVICE: Split Spoon

LENGTH & DIAMETER OF CORING DEVICE: 2 ft x 2 in. SAMPLING INTERVAL: continuous 5 - 19 ft

LAND-SURFACE ELEVATION: - { } SURVEYED ESTIMATED DATUM: Land Surface

DRILLING FLUID USED: - DRILLING METHOD: Hollow Stem Auger

DRILLING CONTRACTOR: Soil & Mat'l. Testing DRILLER: Mike HELPER: Kenny

PREPARED BY: R. Eby HAMMER WEIGHT: 140 lb. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	5	-	-	Sand, some gravel, no sample taken (fill?).
	5	7	1.5	3-4- 5-5	Sand (90%), fine; gravel (10%); gravel at bottom of sample, tan - light brown.
	7	9	.5	6-7- 6-6	Sand (50%), coarse; gravel (50%), with some large pebbles, poorly sorted.
	9	11	1.5	4-3- 3-4	Sand (50%), coarse; gravel (50%), some large pebbles poorly sorted.
	11	13	1.5	6-4- 5-5	Sand (40%), medium to fine; sand (20%), coarse; gravel (20%) some large pebbles, poorly sorted, greenish brown, moist near bottom, slightly oily.
	13	14	.5	6-4	Sand (100%) medium, well sorted, moist, oily, oily odor.
	14	15	.5	5-5	Sand (50%), coarse; gravel (50%), with some large pebbles; poorly sorted, oily, oily odor, wet (saturated).
	15	17	2.0	5-5- 5-5	Sand (90%), medium to coarse, gravel (10%); gray, poorly sorted near top, sand mixed with gravel grading into well sorted sand, upper .5' saturate with oil, oily odor.
	17	19	2.0	3-16- 15-17	Sand (80%), coarse, sand (15%), medium; gravel (5%) quartz pebbles, gray, poorly sorted.

SAMPLE/CORE LOG

BORING/WELL: 56 PROJECT NO: NY360SW01 PAGE: 1

SITE Area 2 DRILLING DRILLING
 LOCATION: General Electric Co. STARTED: 12/22/87 COMPLETED: 12/22/87

TOTAL DEPTH DRILLED: 29 ft HOLE DIAMETER: 8-1/4 in. TYPE OF SAMPLE/CORING DEVICE: Split Spoon

LENGTH & DIAMETER OF CORING DEVICE: 2 ft x 2 in. SAMPLING INTERVAL: _____

LAND-SURFACE ELEVATION: _____ { } SURVEYED ESTIMATED DATUM: Land Surface

DRILLING FLUID USED: - DRILLING METHOD: Hollow Stem Auger

DRILLING CONTRACTOR: Soil & Mat'l. Testing DRILLER: Mike HELPER: Kenny

PREPARED BY: R. Eby HAMMER WEIGHT: 140 lb. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	5	-	-	Sand, gravel, clay with fragments of brick and wood, no sample taken (fill).
	5	7	1.5	3-3- 3-3	Clay (70%), greenish brown; silt (25%); sand (5%) coarse with trace of gravel.
	7	9	2.0	3-2- 3-3	Sand (60%), fine; silt (30%); clay (5%); gravel (5%) Tan to light brown, some iron staining and trace organic matter. Upper part of sample is gravel mixed with clay. Remainder is well sorted sand/silt with some hard packed clay on very bottom.
	9	11	1.5	3-4- 10-10	Sand (60%), medium to fine; clay (15%); gravel (10%) sand (5%), coarse. Upper portion hard packed clay with gravel. Trace organic matter and iron staining. Remainder of sample is medium/fine well sorted sand which grades into coarse sand and gravel. 1" diameter pebble lodged in end of spoon.
	11	13	1.5	6-10- 9-10	Sand (50%), coarse; gravel (45%) with some large pebbles; silt (5%); poorly sorted, iron stained near top, oily odor.
	13	15	1.5	7-6- 4-6	Sand (55%), coarse; gravel (45%), with some large pebbles; poorly sorted, saturated with oil, lower 0.3 oil stained.

SAMPLE/CORE LOG (Cont. d)

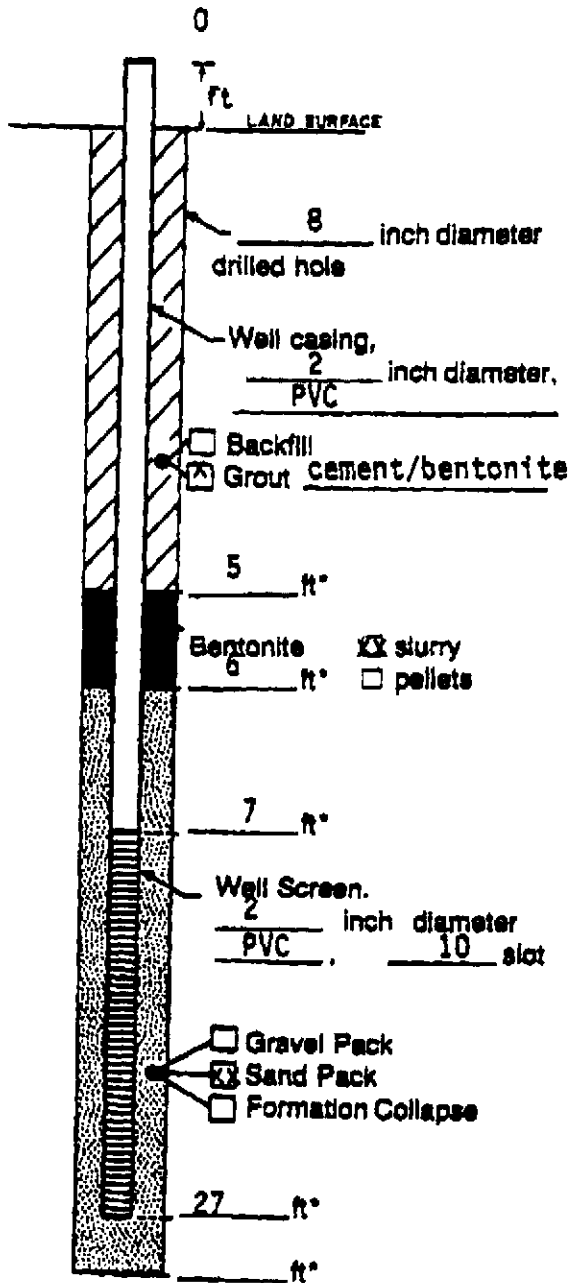
BORING/WELL: 56

PREPARED BY: R. Eby

PAGE: 2

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	FLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	15	17	1.5	6-7-	Sand (90%), coarse; gravel (10%), with some pebbles; dark oil stain on upper 1.0' of sample, saturated with yellow/brown oil.
				6-6	
	17	19	2.0	5-6-	Sand (90%), coarse; gravel (10%), with some pebbles upper 1.0' of sample saturated with oil, lower 1.0' water.
				9-9	

WELL CONSTRUCTION LOG
(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project GE - Slurry Wall Well 56
Town/City Pittsfield
County Berkshire State MA
Permit No. NA
Land-Surface Elevation
and Datum _____ feet Surveyed
 Estimated
Installation Date(s) 12/22/87
Drilling Method Auger
Drilling Contractor SMT
Drilling Fluid _____

Development Technique(s) and Date(s)
Pumping - 12/29/87

Fluid Loss During Drilling _____ galle
Water Removed During Development 150 galle
Static Depth to Water 16.2 feet below M.
Pumping Depth to Water _____ feet below M.
Pumping Duration _____ hours
Yield _____ gpm Date _____
Specific Capacity _____ gpm/ft
Well Purpose Monitoring

Remarks _____

Prepared by D. Colton

SAMPLE/CORE LOG

BORING/WELL: 57 PROJECT NO: NY360SW01 PAGE: 1

SITE Area 2 DRILLING STARTED: 12/28/87 DRILLING COMPLETED: 12/28/87
 LOCATION: General Electric Co.

TOTAL DEPTH DRILLED: 30 ft HOLE DIAMETER: 8-1/4 in. TYPE OF SAMPLE/CORING DEVICE: Split Spoon

LENGTH & DIAMETER OF CORING DEVICE: 2 ft x 2 in. SAMPLING INTERVAL: continuous 5 - 21

LAND-SURFACE ELEVATION: _____ () SURVEYED ESTIMATED DATUM: Land Surface

DRILLING FLUID USED: - DRILLING METHOD: Hollow Stem Auger

DRILLING CONTRACTOR: Soil & Mat'l. Testing DRILLER: Mike HELPER: Kenny

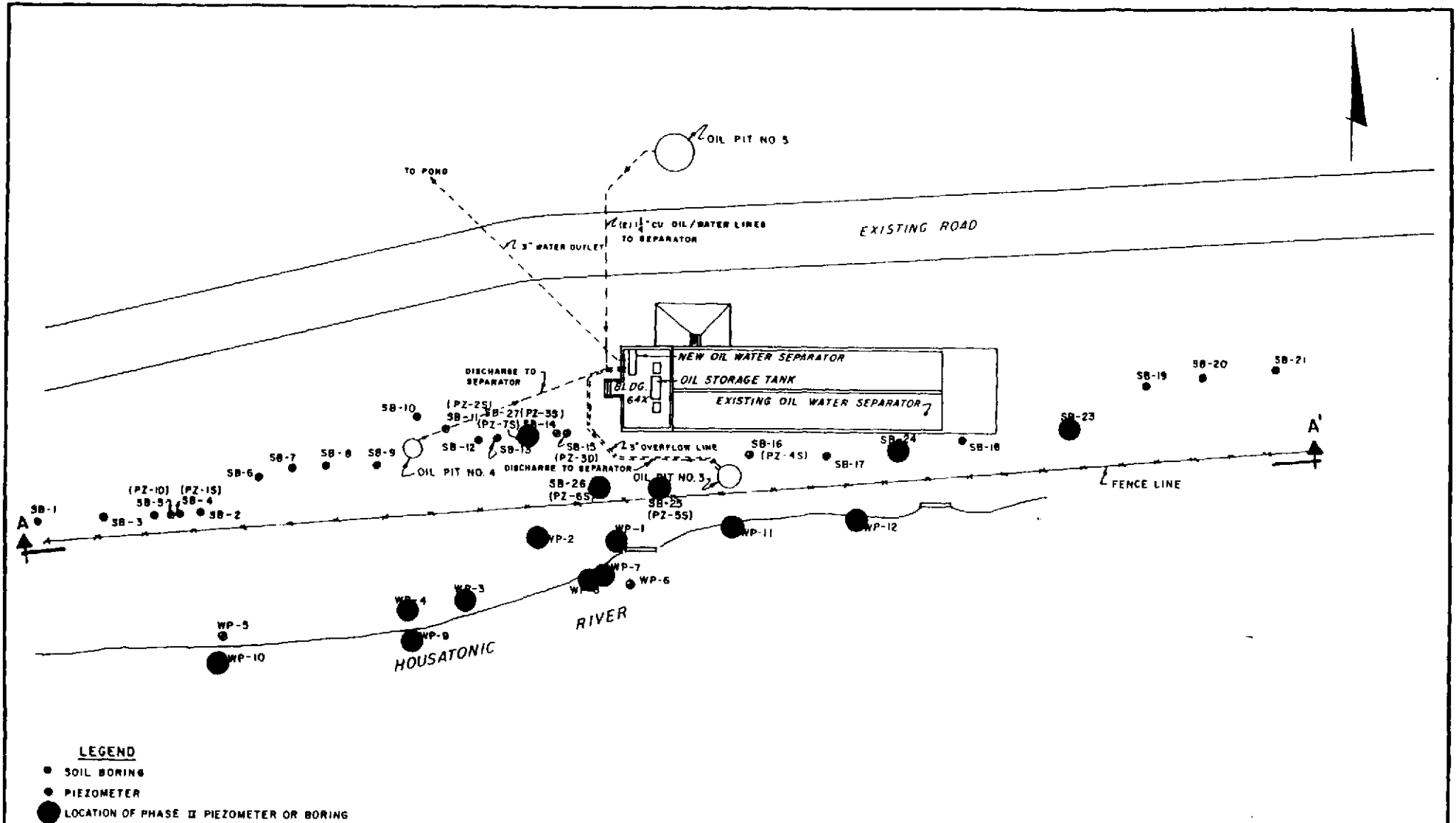
PREPARED BY: R. Eby HAMMER WEIGHT: 140 lb. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	5	-	-	Bentonite, gravel, sand, clay, fill and bentonite slurry mixture, no sample taken.
	5	7	.5	10-7- 6-7	Gravel (55%), with some large pebbles; clay (25%), sand (20%), medium (fill).
	7	9	.5	11-9- 5-4	Clay (50%); gravel (25%); sand (25%); (fill).
	9	11	1.0	4-4- 5-4	Sand (60%), medium, silt (30%); organic matter (5%), gravel (5%); light brown, poorly sorted. At very bottom dark organic matter containing wood and plant fragments (fill?).
	11	13	1.0	7-10- 12-13	Sand (50%), medium; gravel (30%); sand (10%) coarse; cinders/ash (10%); black, oily odor.
	13	15	1.5	8-31- 21-21	Gravel (55%); cinders/ash (30%); sand (15%) medium; black (oil stain?), strong odor of oil.
	15	17	1.0	10-11- 20-23	Gravel (75%), with numerous large pebbles; sand (15%), coarse; sand (10%), medium; dark gray to black, saturated with oil.
	17	19	2.0	5-8- 3-7	Gravel (65%), with large pebbles; sand (35%). coarse Poorly sorted, saturated with oil.
	19	21	2.0	6-4- 5-9	Sand (95%), coarse; gravel (5%), coarse; appears to be water saturated but sediments are dark gray/black giving the appearance of oil staining.

SAMPLE/CORE LOG

BORING/WELL: 58 PROJECT NO: NY360SW01 PAGE: 1
 SITE Area 2 DRILLING DRILLING
 LOCATION: General Electric Co. STARTED: 1/4/88 COMPLETED: 1/4/88
 TOTAL DEPTH HOLE TYPE OF SAMPLE/
 DRILLED: 30 ft DIAMETER: 8-1/4 in. CORING DEVICE: Split Spoon
 LENGTH & DIAMETER SAMPLING
 OF CORING DEVICE: 2 ft x 2 in. INTERVAL: continuous 5 - 19 ft
 LAND-SURFACE () SURVEYED
 ELEVATION: () ESTIMATED DATUM: Land Surface
 DRILLING FLUID USED: - DRILLING METHOD: Hollow Stem Auger
 DRILLING
 CONTRACTOR: Soil & Mat'l. Testing DRILLER: Mike HELPER: Kenny
 PREPARED BY: R. Eby HAMMER WEIGHT: 140 lb. HAMMER DROP: 30 in.

SAMPLE NO	SAMPLE DEPTH		CORE RECVRY	BLOW COUNTS	SAMPLE/CORE DESCRIPTION
	FROM	TO			
	0	5	-	-	Gravel, sand, clay (fill), no sample taken.
	5	7	.3	1-4- 2-4	Sand (40%), fine; gravel (40%) with some large pebbles; sand (20%), coarse. Poorly sorted fill with trace of bentonite slurry material.
	7	9	1.5	9-8- 9-9	Sand (90%), fine; gravel (5%); sand (5%), coarse. Sand with occasional gravel, tan to gray with iron staining, some bentonite trapped from above.
	9	11	1.5	10-10 11-11	Sand (75%), fine to medium; silt (15%); clay (10%); upper 0.4' fine, tan, well sorted sand with iron staining, grading into medium gray sand, lower 0.2' tan/brown, silty clay.
	11	13	1.5	7-7- 9-9	Sand (100%), fine to medium; fine, tan, sand grading into gray, medium, sand with depth, some iron staining, most of sample is wet.
	13	15	1.5	3-4- 5-6	Sand (98%), fine; silt (trace); coarse sand (trace) Uniform fine sand, tan near top, (upper .3'), grades into well sorted gray sand (saturated with water).
	15	17	1.5	6-6- 7-9	Sand (100%), fine, well sorted, greenish brown, black oil stain (0.3' thick) at 16.0', some oil, oily odor.



LEGEND

- SOIL BORING
- PIEZOMETER
- LOCATION OF PHASE II PIEZOMETER OR BORING

<p>SCALE</p>	In charge of _____
	Designed by _____
<p>NO REVISIONS PERMITTED EXCEPT AS PROVIDED UNDER SECTION FOR SUBDIVISION 1 OF THE NEW YORK STATE BOUCCHEM LAW</p>	Drawn by _____
	Checked by _____

MASLAND & BOUCH
ENGINEERS, P.C.
SYRACUSE, NEW YORK
WHITE PLAINS, NEW YORK

<p>GENERAL ELECTRIC PITTSFIELD, MASSACHUSETTS RIVER BANK STUDY AREA - EAST ST. AREA 2</p>	
<p>LOCATION OF EAST STREET AREA 2 RIVER BANK STUDY SOIL BORINGS AND PIEZOMETERS</p>	
File No 101.86.06	<p>FIGURE 2</p>
Date NOV. 29, 1989	

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/23/89

BOTTOM OF BORING (BOB): 20'

BORING NO: SB-1

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"		SAMPLE DESCRIPTION
1	0-2'	1.3'	2,4,6,7	0-.7' .7-2'	Grass and leaf litter, dark brown organic top soil. Fine silty sand with a trace of clay and gravel. Tan/gray in color. No odor; moist.
2	2-4'	2'	7,7,6,7		Tan to gray fine sand; no odor; dry.
3	4-6'	1.5'	6,9,7,6		Same as above; moist at tip.
4	6-8'	1.7'	6,6,6,8		Same as above.
5	8-10'	1.5'	9,5,5,6	8.5-9.6' 9.6-10'	Same as above. Fine to medium sand with trace of gravel thin layer of stained coarse sand and gravel (Fe stained).
6	10-12'	1.3'	5,7,9,10		Fine to medium gray/brown sand with some cobble chips; dry.
7	12-14'	1.3'	9,8,7,7		Medium to coarse sand, some gravel and cobble chips.
8	14-16'	1.3'	7,10,10,11		Medium to coarse gray (with some Fe stain banding) sand and gravel; wet; no odor; trace cobbles.

Remarks: Water table approximately 14' below land surface

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/24/89

BOTTOM OF BORING (BOB): 20'

BORING NO: SB-1

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
9	16-18'	1.1'	8,7,6,6	Gray to brown coarse sand, some medium sand-trace gravel; wet; no odor.
10	18-20'	2.0'	7,6,3,4	18.0-18.6' Coarse sand with some gravel. 18.6-2.0' Gray fine silt; no odor; wet.

Remarks:

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/23/89

BOTTOM OF BORING (BOB): 22'

BORING NO: SB-2

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"		SAMPLE DESCRIPTION
1	0-2'	2'	1,3,3,3	0-2' .2-6' .6-2'	Leais and grass, dark brown organic top soil. Dark brown top soil. Fine gray/brown sand; dry; no odor.
2	2-4'	1.4'	2,3,2,5		Same as above.
3	4-6'	1.2'	6,10,8,8	4.3-5.1' 5.1-6'	Medium to coarse sand; gray/brown in color; dry; no odor. Brown medium sand; dry, no odor.
4	6-8'	1.2	15,32,35,32		Fine to medium brown sand; gravel with pieces of calcium carbonate bearing rock; dry; no odor.
5	8-10'	.8'	15,30,20,14		Brown to buff fine sand with some gravel; .4' layer of powdery limestone.
6	10-12'	1.2'	10,6,6,20		Gray/brown medium sand; some gravel; trace cobble chips; no odor.
7	12-14'	0	17,10,9,11		No recovery.
8	14-16'	1.5'	12,11,10,11	14.5-15' 15-15.5'	Brown fine sand with some medium sand; moist; no odor. Medium to coarse black/brown sand; some gravel; oily odor; wet.

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/23/89

BOTTOM OF BORING (BOB): 22'

BORING NO: S8-2

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"		SAMPLE DESCRIPTION
9	16-18'	0.8'	10,9,10,10		Gray/brown medium to coarse sand; oily odor; wet.
10	18-20'	2.0'	8,9,10,9	18-19.1' 19.1-20.0'	Gray to brown medium to coarse sand; some gravel; oily wet spoon. Silty sand with some medium coarse sand; oily.
11	20-22'	2.0'	9,9,9,13	20-21.2'	Gray/brown medium to coarse oily sand; wet; odor.

Remarks: Water approximately at 14.5' below land surface.

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5'

DATE: 10/24/89

BOTTOM OF BORING (BOB): 20'

BORING NO: SB-3

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
1	0-2'	1.7'	1,3,2,3	Tan fine sand with some silt.
2	2-4'	2'	1,2,3,3	Same as above.
3	4-6'	1.5'	4,4,5,6	Same as above; poorly sorted medium coarse sand at bottom .5'.
4	6-8'	.4'	4,4,6,11	Medium to coarse poorly sorted sand; Fe banding.
5	8-10'	.9'	11,14,12,12	Same as above.
6	10-12'	1.0'	9,9,9,12	Medium to coarse sand with some gravel; cobble chips; dry; no odor.
7	12-14'	1.4'	12,12,10,8	Medium to coarse poorly sorted brown sand.
8	14-16'	1.2'	10,12,18,18	Poorly sorted brown coarse sand with some gravel and cobble chips. Fe stained bands throughout; moist; no odor.
9	16-18'	1.0'	18,18,16,17	Gray brown medium sand; some coarse sand; earthy odor; wet.
10	18-20'	1.4'	9,9,9,8	Gray brown medium sand with some coarse sand; lightly stained; slight odor.

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/23/89

BOTTOM OF BORING (BOB): 22'

BORING NO: SB-4 (PZ-1S)

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"		SAMPLE DESCRIPTION
1	0-2'	1.5'	1,2,7,3		Tan fine sand, some silt; dry; no odor.
2	2-4'	1.7'	1,2,2,3	3.5-3.7	Same as above. Coarse sand and gravel.
3	4-6'	1.0'	3,4,4,5		Tan/brown medium sand with some coarse sand; trace gravel; dry; no odor.
4	6-8'	1.7'	7,8,8,13		Brown medium coarse sand; cobble chips; poorly sorted sand and gravel.
5	8-10'	1.8'	20,35,20,9	8.2-9.6' 9.6-10'	Same as above. White powdery limestone; no odor; dry.
6	10-12'	1.2'	10,9,7,9	10.8-11.5' 11.5-12'	Same as (6-8'). Reddish brown, medium sand with some white limestone flakes throughout; slightly moist.
7	12-14'	1.5'	7,9,10,16		Gray/brown medium sand with some fine sand; coarse sand and gravel at bottom .4'; moist.
8	14-16'	1.3'	10,10,17,9		Gray/brown medium sand with some gravel; oily odor; dark gray at bottom .3'; wet (saturated).

Remarks: Water table approximately at 14' below land surface.

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/23/89

BOTTOM OF BORING (BOB): 22'

BORING NO: SB-4 (PZ-1S)

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"		SAMPLE DESCRIPTION
9	16-18'	1.0'	10,13,11,11	17-17.5'	Medium to coarse brown sand; saturated; oily odor; trace gravel.
				17.5-18'	Fine to medium sand with some silt; wet; oily odor.
10	18-20'	1.0'	10,10,10,11		Brown/dark brown medium to coarse sand; oily odor; wet; dark brown at bottom .4'

Remarks: Water table approximately at 14' below land surface.

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/24/89

BOTTOM OF BORING (BOB): 25'

BORING NO: SB-5, (PZ-1D)

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny and cool; 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"		SAMPLE DESCRIPTION
1	0-2'	1.3'	7,8,8,7		Tan/brown fine sand; well sorted; some powdery silt; dry; no odor.
2	2-4'	1.0'	2,3,3,4		Same as above.
3	4-6'	.9'	3,3,4,5		Poorly sorted sand and gravel; some tan fine sand; cobble chips; dry; no odor.
4	6-8'	1.0'	7,8,8,10		Mostly coarse gravel with some medium sand; cobbles; dry; no odor.
5	8-10'	1.0'	12,14,15,17		Brown poorly sorted sand and gravel; white cobble chips; dry; no odor.
6	10-12'	1.5'	17,17,13,14		Poorly sorted medium/coarse sand; brown to tan in color, some gravel and cobble chips; dry; no odor.
7	12-14'	2.0'	10,9,8,8	12-13.6' 13.6-14'	Brown medium sand; some gravel; dry. Medium sand with some coarse sand; slight odor; moist.
8	14-16'	1.1'	10,11,10,12	14.9-15.5' 15.5-16'	Brown fine sand, some coarse sand; moist; slight odor. Poorly sorted medium/coarse sand; trace gravel; odor; wet.

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/24/89

BOTTOM OF BORING (BOB): 25'

BORING NO: SB-5 (PZ-1D)

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny and cool; 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
9	16-18;	1.8'	13,13,11,13	Dark brown poorly sorted medium/coarse sand; some gravel; saturated; odor.
10	18-20'	1.1'	9,10,10,7	Gray/brown poorly sorted medium to coarse sand, some gravel; wet; odor.
11	21-22.5'	1.5'	8,8,8,9	Poorly sorted medium to coarse sand, some fine sand, trace silt; some brown staining; wet; light odor.
12	23.5'-25'	1.5'	8,10,12,12	Gray brown medium to coarse sand, some fine sand; slight odor; wet.

Remarks: A 2.5' wide 1.5' long split spoon was used for sample #'s 11 and 12.

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/25/89

BOTTOM OF BORING (BOB): 20'

BORING NO: SB-6

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny, 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"		SAMPLE DESCRIPTION
1	0-2'	.2'	3,4,3,3		Top soil, medium sand, some gravel; earthy odor.
2	2-4'	.7'	3,3,5,6	3.3-3.6' 3.6-4.0'	Same as above. Fine tan sand.
3	4-6'	1.0'	4,13,15,22		Medium to coarse sand, some gravel, cobble chips (white), trace fine sand; dry; no odor.
4	6-8'	.9'	15,18,16,23	7.1-7.5' 7.5-8.0'	Medium brown sand, some gravel. Brown coarse sand, some gravel, cobble chips; no odor.
5	8-10'	.8'	12,11,12,10	9.2-9.6' 9.6-10'	Medium sand with some coarse sand. Orange brown coarse sand; layer of dark brown (organic) earthy odor; dry.
6	10-12'	1.0'	6,6,6,10		Brown poorly sorted medium/coarse sand, trace gravel; no odor.
7	12-14'	1.4'	10,9,13,12		Medium to coarse sand, trace gravel, some cobbles; dry; at bottom .3' stained medium sand, odor clear/oil transition at 13.7'; moist.
8	14-16'	.9'	10,9,8,15		Same as 13.7'-14', medium oil stained sand; moist; odor.

Remarks:

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/25/89

BOTTOM OF BORING (BOB): 20'

BORING NO: SB-6

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny, 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"		SAMPLE DESCRIPTION
9	16-18'	.7'	8,16,10,2		Medium to coarse dark brown (stained) sand; odor; wet; .5' of wash saturated with oily water; sheen visable.
10	18-20'	1.5'	10,9,9,3	18.5-19'	Dark brown (stained) medium to coarse sand; wet; some odor.
				19-20'	Fine brown sand with some medium sand; well sorted; wet; slight odor.

Remarks: Water table approximately 16' below land surface.

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/25/89

BOTTOM OF BORING (BOB): 22'

BORING NO: SB-7

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny, 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6'		SAMPLE DESCRIPTION
1	0-2'	.4'	1,2,2,3	0-6'	Organics grass and leaf litter; top soil; moist; cobble (limestone).
2	2-4'	1.1'	4,4,4,4		Brown fine sand trace gravel; dry; no odor.
3	4-6'	.8'	4,5,6,5		Medium/coarse sand, some gravel; dry.
4	6-8'	.4'	5,5,6,7		Same as above.
5	8-10'	0	8,8,9,9		No recovery.
6	10-12'	.9'	10,10,11,11		Poorly sorted brown medium/coarse sand with some cobble chips (white), gravel, orange banding; slight odor at bottom .3'.
7	12-14'	1.1'	7,5,4,4		Medium dark, brown stained sand with some coarse sand; wet; strong odor.
8	14-16'	2'	4,4,6,4		Same as above.
9	16-18'	2'	10,10,11,12	16-17'	Medium/coarse stained sand, trace gravel; odor.
				17-18'	Same as above however lighter in color; trace large gravel; slight odor; wet.

Remarks:

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/25/89

BOTTOM OF BORING (BOB): 22'

BORING NO: SB-7

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny, 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
10	18-20'	1.9'	12,12,11,12	Medium stained sand, some coarse sand; strong, odor; wet. At bottom .4' fine tan sand.
11	20-22'	.8'	13,11,12,10	Tan medium sand with some coarse sand, trace gravel; wet; slight odor.

Remarks:

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5'

DATE: 10/26/89

BOTTOM OF BORING (BOB): 20'

BORING NO: SB-8

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny, cool; high 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
1	0-2'	.4'	4,3,3,2	Grass, leafs and top soil.
2	2-4'	.3'	3,2,1,1	Tan fine sand with some silt at tip of spoon (floodplain sediment).
3	4-6'	.3'	3,2,2,5	Same as above.
4	6-8'	.3'	7,7,15,23	Same as above.
5	8-10'	.3'	15,11,11,12	Same as above but with some coarse sand and cobble chips (limestone).
6	1.0-12'	.5'	10,9,8,8	Brown/gray stained medium sand, some coarse sand; odor; moist.
7	12-14'	.5'	8,8,7,8	Stained medium sand with some coarse sand. Oil sheen visable on spoon tip. Strong odor; wet.
8	14-16'	.5'	9,9,8,9	Same as above but with lighter staining; odor.
9	16-18'	.3'	5,6,6,7	Dark stained coarse sand with some gravel, some medium sand; odor; saturated (approx. 1' of wash in upper end of spoon)

Remarks:

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/26/89

BOTTOM OF BORING (BOB): 20'

BORING NO: SB-8

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny, cool; high 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
10	18-20'	.4'	6,6,7,7	Same as above; however, lighter staining and wet (not saturated); light odor.

Remarks: Water table approximately 12' below land surface.

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/26/89

BOTTOM OF BORING (BOB): 20'

BORING NO: SB-9

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny, cool; high 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
1	0-2'	.4'	6,8,6,5	Stone, backed fill (landscaping).
2	2-4'	.2'	9,2,9,7	Piece of limestone caught in tip.
3	4-6'	.5'	7,6,7,5	Brown fine sand; some silt trace coarse sand.
4	6-8'	.3'	9,14,14,9	Same as above.
5	8-10'	.4'	13,15,13,19	Tip of spoon wet with strong odor; stained coarse sand and gravel; oil sheen visible. Rest of spoon coarse sand with cobble chips (limestone); lightly stained.
6	10-12'	.4'	14,16,19,12	Dark brown stained coarse sand with some gravel, trace fine sand; odor; wet.
7	12-14'	.8'	10,9,8,8	Same as above.
8	14-16'	.5'	6,8,6,8	Same as above; with light staining; light odor.

Remarks: Sample #3: Lead auger obstructed by boulder, retrieved spoon and then drilled down bi-passing boulder. Sent spoohtdown a second time.

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/26/89

BOTTOM OF BORING (BOB): 20'

BORING NO: SB-9

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny, cool; high 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
9	16-18'	.5'	8,7,8,11	Spoon saturated with oily water; fine lightly stained sand with some coarse sand. Tan silty sand at spoon tip; light odor; wet.
10	18-20'	.6'	8,11,10,9	Medium sand with some coarse sand, trace of fine sand; lightly stained; light odor.

Remarks: Water table approximately at 9.8' below land surface.

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5'

DATE: 10/26/89

BOTTOM OF BORING (BOB): 20'

BORING NO: SB-10

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny; cool; high 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
1	0-2'	1.2'	8,11,14,11	Medium to coarse brown sand with some gravel; cobble chips (fill).
2	2-4'	.4'	4,7,7,8	Same as above.
3	4-6'	.3'	6,7,6,6	Same as above.
4	6-8'	.3'	5,7,7,9	Same as above.
5	8-10'	.1'	6,6,5,5	Fine sand; lightly stained; no odor; moist.
6	10-12'	1.7'	7,5,6,2	Stained medium sand; buff (white) sand at tip; moist, light odor.
7	12-14'	1.2'	7,6,8,8	Dark stained coarse sand with some gravel; wet; strong odor; oil sheen visible.
8	14-16'	1.5'	7,5,16,12	Same as above.
9	16-18'	1.6'	10,8,5,6	Stained coarse sand with some medium sand; wet; odor; oil sheen.

Remarks: Water table approximately at 12' below land surface.

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5'

DATE: 10/26/89

BOTTOM OF BORING (BOB): 20'

BORING NO: SB-10

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny, cool, high 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
10	18-20'	1.5'	9,10,17,20	18.5-19.25' Well sorted stained coarse sand; light odor; wet. 19.25-20' Light brown fine sand with some gravel; moist; no odor.

Remarks:

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5'

DATE: 10/26/89

BOTTOM OF BORING (BOB): 23'

BORING NO: SB-12

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny, cool, high 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
1	0-2'	.9'	7,9,10,9	Brown medium sand with some coarse sand (fill), trace gravel.
2	2-4'	.4'	6,10,10,8	Same as above.
3	4-6'	.5'	5,6,3,7	Same as above; moist at tip; piece of glass.
4	6-8'	.4'	3,3,4,4	Same as above.
5	8-10'	.5'	4,5,7,9	Gravel with some stained coarse sand; light odor; wet; fe stains.
6	10-12'	.3'	7,4,3,4	Same as above.
7	12-14'	.5'	3,3,4,5	Light stained medium sand with some fine sand, trace gravel; light odor; saturated.
8	14-16'	.3'	3,2,2,1	Gravel with some fine sand.
9	16-18'	.4'	3,3,4,4	Same as above; odor and oil.

Remarks: Water table approximately 9' below land surface. Sample #7: Beads of oil in water dripping off drillers rods.

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5'

DATE: 10/26/89

BOTTOM OF BORING (BOB): 23'

BORING NO: SB-12

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny, cool, high 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
10	18-20.5'	1.4'	8,9,9,14	Medium to coarse stained sand, some gravel; light brown sand in tip; no odor.
11	20.5-23'	.2'	7,10,31,30	Medium to coarse stained sand with an odor. Lower .6' light brown; no odor.

Remarks:

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2
 PROJECT NO: 101.86
 DATE: 10/26/89
 BORING NO: SB-13
 RECORDED BY: James A. Schaefer
 DRILLER: Soil and Material Testing

DRILL TYPE: Hollow Stem Auger
 BOREHOLE DIAMETER: 7.5"
 BOTTOM OF BORING (BOB): 20'
 SAMPLER TYPE: Split spoon
 WEATHER: Sunny, cool; high 60's

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"		SAMPLE DESCRIPTION
10	18-20'	2'	8,9,15,47	18-19' 19-20'	Stained coarse sand (wash). Fine to medium light brown sand with some silt; little staining; very little odor.

Remarks:

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 11/26/89

BOTTOM OF BORING (BOB): 15'

BORING NO: SB-14 (PZ-3S)

SAMPLER TYPE: None

RECORDED BY: James A. Schaefer

WEATHER: Sunny, cool, high 60's

DRILLER: Soil and Material Testing

Remarks: Samples were not collected. Bored down to 15' and installed piezometer (PZ-2S) in boring.

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/26/89

BOTTOM OF BORING (BOB): 24'

BORING NO: SB-15 (PZ-30)

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny, cool; high 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
1	0-2'	.8'	3,5,58	Brown medium/coarse sand; some gravel; stones (fill).
2	2-4'	.7'	18,11,8,9	Same as above.
3	4-5'	1.0'	8,8,5,4	Same as above.
4	6-8'	.9'	5,5,5,5	Same as above; light odor.
5	8-10'	1.0'	4,5,4,3	Wet at 8.5'; odor; piece of brick, same as above.
6	10-12'	.5'	9,10,14,9	Saturated cobbles and gravel; some stained medium sand; odor.
7	12-14'	1.0'	17,14,12,25	Green fluid drained out of spoon; geology same as above with some fine greenish brown sand; strong odor.
8	14-16'	.5'	8,6,8,8	Saturated fine sand and gravel (fill).
9	16-18'	1.5'	17,19,28,17	Stained coarse sand, some gravel; odor; greenish tinge.

Remarks: Water table approximately at 8.5' below land surface.

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/26/89

BOTTOM OF BORING (BOB): 24'

BORING NO: SB-15 (PZ-3D)

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny, cool, high 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
10	18-20'	1.7'	19,30,40,29	Dark stained fine sand mixed with coarse sand and gravel, trace silt, some buff sand at spoon tip.
11	20-22'	1.0'	18,26,19,17	Same as above; cobble chips.
12	22-24'	2.0'	22,19,14,17	Light brown to gray silty sand with some medium sand, trace cobbles; no odor; moist. See (20-22').
			22-23' 23-24'	

Remarks:

SUBSURFACE LOG

PROJECT: GE-Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5"

DATE: 10/27/89

BOTTOM OF BORING (BOB): 17'

BORING NO: SB-16 (PZ-4S)

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Sunny, cool; foggy, high 60's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO (ft)	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
1	0-2'	.6'	2,3,4,4	Brown medium sand, trace gravel, pieces of coal.
2	2-4'	.1'	5,12,5,8	Wood fragments in tip.
3	4-6'	0	5,5,18,11	No recovery.
4	6-8'	.5'	5,7,7,12	Brown medium sand, trace gravel; some stained sand in tip.
5	8-10'	.4'	4,4,6,6	Stained medium sand with some coarse sand, little gravel, trace silt; odor; wet at 9'.
6	10-12'	1.0'	2,2,1,2	Dark stained medium sand, some coarse sand and gravel, trace silty sand; strong odor.
7	12-14'	0		No recovery.
8	13-15'	2'	5,4,3,3	Same as 10-12'.
9	15-17'	2'	3,5,5,5	15-16' Well sorted light stained medium sand; light odor. 16-17' Fine silty sand lightly stained from 16-16.5'. 16.5-17' Tan in color with more silt.

Remarks: Water table approximately at 9' below land surface.

SUBSURFACE LOG

PROJECT: GE - Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5'

DATE: 11/16/89

BOTTOM OF BORING (BOB): 22'

BORING NO: SB-17

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Rain windy and cold; 40's.

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO FL	RECOV. (ft)	NO. OF BLOWS Per 6"		SAMPLE DESCRIPTION
1	0-2'	1.1'	5,11,12,12	0-.4' .4-.7'	Road fill (stone). Brown coarse sand and gravel; white cobble chips (fill).
2	2-4'	.3'	11,9,7,7		Gray brown fill, some fine sand, trace silt; some odor.
3	4-6'	.5'	9,9,8,5		Same as above.
4	6-8'	.6'	7,3,2,2		Same as above; cobbles.
5	8-10'	.8'	2,4,1,6		Same as above but with a strong odor; wet at tip and darker in color; some wood splinters.
6	10-12'	.9'	6,6,6,6		Dark brown fine sand; saturated with oil sheen; strong odor; some poorly sorted gravel; (fill).
7	12-14'	.6'	12,6,3,3		Gravel with some coarse sand; spoon saturated with water, oil sheen present; odor.
8	14-16'	.2'	4,2,1,2		Fill; wood splinters.
9	16-18'	1.2'	5,7,12,16		Poorly sorted stained brown fine/medium sand and gravel (fill).

Remarks:

SUBSURFACE LOG

PROJECT: GE - Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5'

DATE: 11/16/89

BOTTOM OF BORING (BOB): 22'

BORING NO: SB-17

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Rain windy and cold; 40's

DRILLER: Soil and Material Testing

SAMPLE NO.	DEPTH FROM-TO FL	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
10	18-20'	1.5'	6,12,16,18	Fine lightly stained sandy silt with some medium sand at bottom .8'; light odor.
11	20-22'	1.5'	10,11,11,12	Light brown sandy silt; no odor.

Remarks: Water table is approximately 10' below land surface.

SUBSURFACE LOG

PROJECT: GE - Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5'

DATE: 11/17/89

BOTTOM OF BORING (BOB): 18'

BORING NO: SB-18

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Partly sunny with some snow

DRILLER: Soil and Material Testing

flurries; cold; low 30's

SAMPLE NO.	DEPTH FROM-TO Ft	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
1	0-2'	.5'	9,8,7,6	Brown top soil with some cobbles, medium sand.
2	2-4'	1.5'	6,9,7,12	Brown medium sand with a trace of gravel; slight odor (fill). Fine silty sand at tip.
3	6-8'	.9'	19,12,17,16	Same as above.
4	8-10'	.2'	8,7,6,5	Same as above; moist; odor.
5	10-12'	1.1'	5,3,3,4	Dark brown (stained) medium sand with some coarse sand; trace silt; odor; wet.
6	12-14'	.4'		Dark brown coarse sand; odor; trace gravel.
7	14-16'	1.0'	4,3,3,3	14-14.5' Coarse sand and gravel; cobbles. 14.5-15' Fine light brown sand.
8	16-18'	1.3'	3,6,8,10	Fine light brown sand with some silt at bottom of spoon.

Remarks:

SUBSURFACE LOG

PROJECT: GE - Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5'

DATE: 11/17/89

BOTTOM OF BORING (BOB): 18'

BORING NO: SB-19

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Partly sunny with some snow,

DRILLER: Soil and Material Testing

flurries; cold; low 30's

SAMPLE NO.	DEPTH FROM-TO FL	RECOV. (ft)	NO. OF BLOWS Per 6'	SAMPLE DESCRIPTION
1	0-2'	2'	4,9,16,14 0-2' 2-2'	Grass Brown medium sand with some coarse sand and dark brown/gray lead colored pieces of "fly ash"; no odor (fill).
2	2-4'	1.4'	9,5,9,9	Same as above with pieces of brick; no odor.
3	4-6'	1.5'	7,7,9,7	Same as above with small pieces of white debris.
4	6-8'	1.0'	8,12,15,11	Same as above.
5	8-10'	.5'	5,4,4,12	Same as above.
6	10-12'	.3'	7,7,4,15	Same as above with rust staining at bottom; moist at spoon tip.
7	12-14'	.4'	6,4,3,4	Brown saturated silt mixed with coarse sand and "fly ash" debris.
8	14-16'	.3'	2,4,3,4.	Wet dark brown medium sand with some silt; oil stained; slight odor (fill).

Remarks:

SUBSURFACE LOG

PROJECT: GE - Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5'

DATE: 11/17/89

BOTTOM OF BORING (BOB): 18'

BORING NO: SB-19

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Partly sunny with some snow,

DRILLER: Soil and Material Testing

flurries; cold; low 30's

SAMPLE NO.	DEPTH FROM-TO Ft	RECOV. (ft)	NO. OF BLOWS Per 6'	SAMPLE DESCRIPTION
9	16-18'	.5'	2,2,2,3	Brown (stained) medium sand; slight odor; piece of plastic (fill).
10	18-20'	.5'	3,5,5,3	Lightly stained coarse sand with some medium sand; silty sand at spoon tip.
11	20-22'	1.3'		20-20.9' Same as 16-18'. 20.9-21.3' Fine silty sand; light brown/tan in color; no odor.

Remarks: Water table is approximately at 12.3'.

SUBSURFACE LOG

PROJECT: GE - Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5'

DATE: 11/17/89

BOTTOM OF BORING (BOB): 18'

BORING NO: SB-20

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Partly sunny with some snow,

DRILLER: Soil and Material Testing

furries; cold; low 30's

SAMPLE NO.	DEPTH FROM-TO Ft.	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
1	0-2	1.3'	8,19,22,26	Brown fine medium sand mixed with debris; limestone chips (fill).
2	2-5	1.2'	21,13,13,10	Same as above (glass).
3	4-6	.3'	8,7,7,7	Same as above.
4	6-8	.8'	7,16,21,11	Same as above (brick).
5	8-10	1.2'	9,12,20,20	Same as above.
6	10-12	NR.	18,12,9,9	No recovery.
7	12-14	.2'	9,15,11,10	Same as above; cobbles; wet at spoon tip.
8	14-16	.4'	8,8,10,5	Brown coarse sand and gravel; very light staining.
9	16-18	1.2'	3,4,8,10	16-16.5' Light brown medium sand with some fine sand; piece of brass and plastic (fill). 16.5-17.2' Light brown fine sand; no odor.

Remarks:

SUBSURFACE LOG

PROJECT: GE - Pittsfield, Area 2

DRILL TYPE: Hollow Stem Auger

PROJECT NO: 101.86

BOREHOLE DIAMETER: 7.5'

DATE: 11/17/89

BOTTOM OF BORING (BOB): 18'

BORING NO: SB-21

SAMPLER TYPE: Split spoon

RECORDED BY: James A. Schaefer

WEATHER: Partly sunny with some snow,

DRILLER: Soil and Material Testing

furries; cold; low 30's

SAMPLE NO.	DEPTH FROM-TO FL	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
1	0-2'	1.0'	8,10,10,4	Brown medium sand with some coarse sand; "fly ash" and brick pieces; trace gravel; no odor (fill).
2	2-4'	.3'	5,5,10,5	Same as above.
3	4-6'	.1'	5,5,5,5	Same as above.
4	6-8'	1.1'	5,4,3,4	Same as above.
5	8-10'	1.1'	3,3,3,3	Same as above with pieces of coal.
6	10-12'	1.5'	38,29,10,10	Same as above.
7	12-14'	.8'	9,9,7,3	Same as above.
8	14-16'	.1'	7,7,5,2	Coarse sand and gravel; spoon wet; no odor.
9	16-18'	NR	2,2,3,5	Spoon wet; no odor.
10	18-20'	NR	no recovery	

Remarks: Sample number 10 - augers were pushing down boulder, drillers stopped drilling.

SUBSURFACE LOG

PROJECT: GE - Area 2

DRILL TYPE: Truck mounted

PROJECT NO: 101.86.06

BOREHOLE DIAMETER: 8'

DATE: 5-4-90

BOTTOM OF BORING (BOB): 20'

BORING NO: SB-22

SAMPLER TYPE: Split spoon

RECORDED BY: J.A. Schaefer

WEATHER: Cloudy & cool, chance of rain

DRILLER: Parrat Wolff

SAMPLE NO.	DEPTH FROM-TO	RECOV. (ft)	NO. OF BLOWS Per 6'		SAMPLE DESCRIPTION
1	0-2'	1.1	3,3,5,5	0-3' .3-1.1'	Organics grass and leaf litter. Fine well sorted sandy silt.
2	2-4'	2	3,4,4,4		Same as above.
3	4-6'	.9	3,3,3,5		Brown poorly sorted med. sand with some coarse sand; fine sandy silt at upper .3'.
4	6-8'	.5	8,7,8,8		Same as above.
5	8-10'	1.0	5,6,9,7		Poorly sorted brown sand with some gravel and fine sand; dry; no odor.
6	10-12'	1.2	6,6,6,6		Brown fine sand with some medium sand; dry; fe staining present.
7	12-14'	.9	7,9,9,8		Same as above with some coarse sand and gravel.
8	14-16'	.8	5,6,9,8		Medium to coarse brown sand; no odor.
9	16-18'	.4	4,6,9,6		Same as above. Lower half of spoon dark brown coarse sand; wet; no odor.
10	18-20'	2	4,6,8,11		Lightly stained sorted fine sand; well light odor; wet.

Remarks: Water table approximately 16' below land surface.

SUBSURFACE LOG

PROJECT: GE - Area 2

DRILL TYPE: Truck mounted

PROJECT NO: 101.86.06

BOREHOLE DIAMETER: 8"

DATE: 6-4-90

BOTTOM OF BORING (BOB): 19'

BORING NO: SB-23

SAMPLER TYPE: Split spoon

RECORDED BY: J.A. Schaefer

WEATHER: Cloudy & cool; chance of rain

DRILLER: Parratt Wolff

SAMPLE NO.	DEPTH FROM-TO	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
1	0-2'	.8	4,7,9,11	Brown, poorly sorted sand and gravel; some fine sand; trace of 'ash'. Fill
2	2-4'	.7	10,10,16,13	Brown, gray/white fee stained fill. Cobbles, sand and gravel.
3	4-6'	.4	5,7,7,5	Brown med. sand. High in organic content (wood fragments) cobble caught in spoon tip.
4	6-8'	.2	8,11,20,32	Same as above. Hard glossy synthetic material, caught in spoon tip (resin?).
5	8-10'	.9	17,8,14,9	Same above fe staining; moist.
6	10-11.2'	.3	6,40,50,2	Wood and dark brown sand, poor recovery (wood in tip).
7	12-14'	.8	10,10,6,3	Dark brown (stained) sand and gravel; odor with oil sheen present; wet.
8	15-17'	.1	10,10,6,3	Same as above. 15.5 Fine lightly stained sand; wet.
9	17-19'	2	7,9,8,9	Medium sand with some coarse sand; lightly stained.

SUBSURFACE LOG

PROJECT: GE - Area 2

DRILL TYPE: Truck mounted

PROJECT NO: 101.86.06

BOREHOLE DIAMETER: 10"

DATE: 6-5-90

BOTTOM OF BORING (BOB): 20'

BORING NO: SB-24

SAMPLER TYPE: Split spoon

RECORDED BY: J.A. Schaefer

WEATHER: Clear skies; sunny

DRILLER: Parratt Wolff

SAMPLE NO.	DEPTH FROM-TO	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
1	0-2'	1.5	5,5,5,5	Brown poorly sorted sand, some gravel (fill).
2	2-4'	1.2	5,3,3,4	Same as above.
3	4-6'	.9	4,5,5,9	Same as above with some 'ash', dry; friable; no odor.
4	6-8'	.5	8,12,14,13	Medium sand with some gravel; stained; odor; wet.
5	8-10'	.5	4,4,4,5	Gravel with some sand, dark stained; odor.
6	10-12'	.6	4,2,2,3	Same as above.
7	12-14'	.1	2,3,4,8	Poor recovery.
8	14-16'	.4	3,4,5,4	Dark brown wet sand; odor.
9	16-18'		8,8,8,8	Well sorted coarse sand with some gravel; oil stained.
10	18-20'	.8	6,8,8,12	Lightly stained fine sand.

Remarks:

SUBSURFACE LOG

PROJECT: GE - Area 2

DRILL TYPE: Truck mounted

PROJECT NO: 101.86.06

BOREHOLE DIAMETER: 10"

DATE: 6-5-90

BOTTOM OF BORING (BOB): 17'

BORING NO: SB-25/PZ-5S

SAMPLER TYPE: Split spoon

RECORDED BY: J.A. Schaefer

WEATHER: Clear skies; 60's

DRILLER: Parratt Wolff

SAMPLE NO.	DEPTH FROM-TO	RECOV. (ft)	NO. OF BLOWS Per 6"	SAMPLE DESCRIPTION
1	0-2'	.3	4,5,7,5	Brown sand and gravel, no odor; fill.
2	5-7'	.9	5,3,2,3	Brown med. sand with some 'ash', fill. Lower 2' stained and wet.
3	10-12'		2,3,4,4	Plastic caught in spoon tip.
4	15-17'	.9	7,8,7,9	Fine lightly stained sand; light odor.

Remarks: Water table approximately 7 feet below sand surface. Possibly perched water. Sample #3 could possibly be piece of clay wall.

SUBSURFACE LOG

PROJECT: GE - Area 2

DRILL TYPE: Truck mounted

PROJECT NO: 101.86.06

BOREHOLE DIAMETER: 10"

DATE: 6-4-90

BOTTOM OF BORING (BOB): 17'

BORING NO: SB-26/PZ-6S

SAMPLER TYPE: Split spoon

RECORDED BY: J.A. Schaefer

WEATHER: Clear skies; 60's

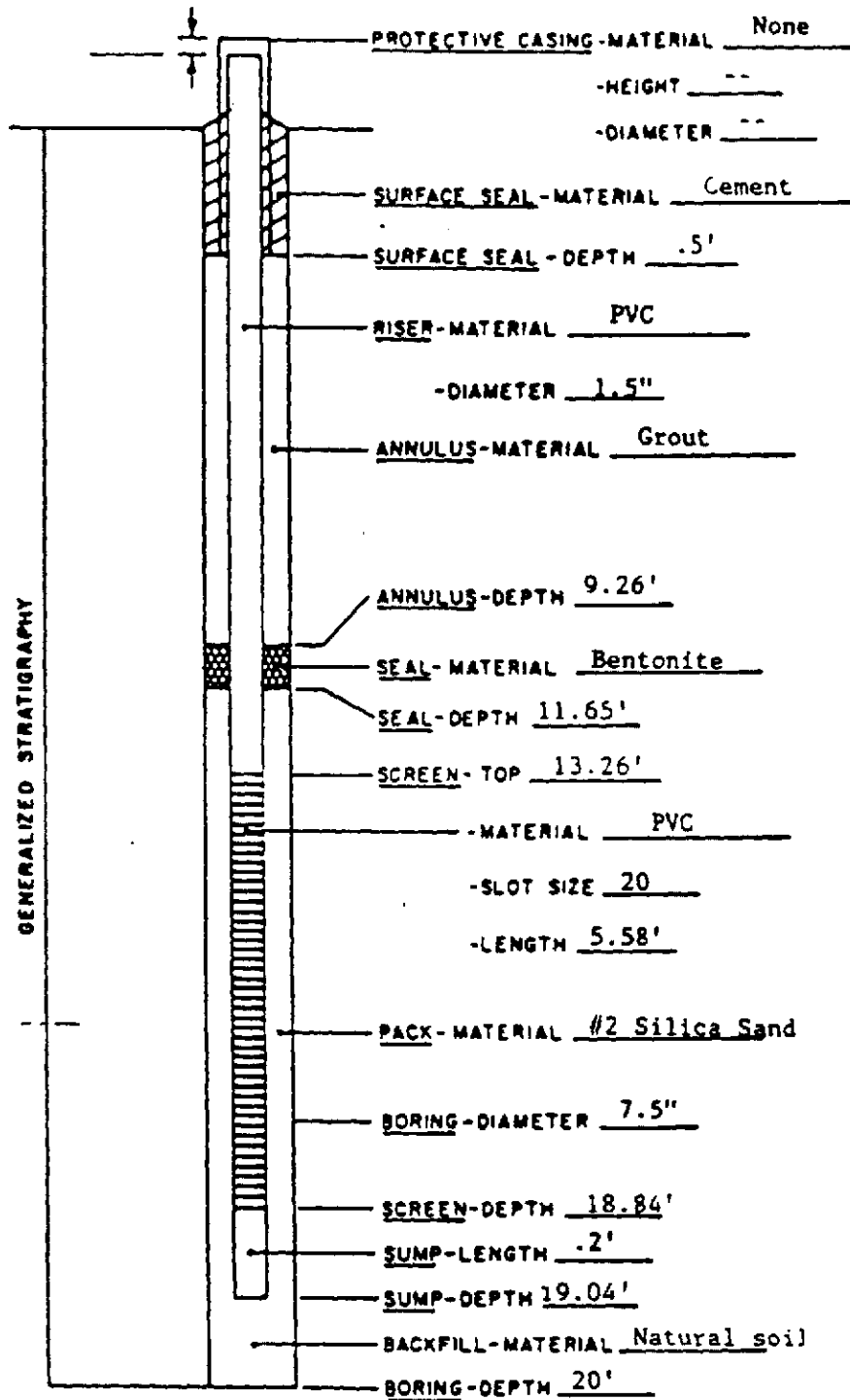
DRILLER: Parratt Wolff

SAMPLE NO.	DEPTH FROM-TO	RECOV. (ft)	NO. OF BLOWS Per 6'	SAMPLE DESCRIPTION
1	0-2'	.8	5,7,14,20	Brown medium sand with some gravel; brick pieces. Fill material.
2	5-7'	.3	13,8,3,2	Brown medium sand with some coarse sand; no odor.
3	10-12'		7,9,7,5	Wood in spoon tip.
4	15-17'	1	3,5,6,5	Brown fine sand; lightly stained; odor.

Remarks: Water table was approximately 9' below land surface.

SUBSURFACE FIELD LOG MONITORING WELL CONSTRUCTION DETAILS

SHEET _____ OF _____



WELL NO PZ-15
 PROJECT GE-Pitts.
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 10-24-89

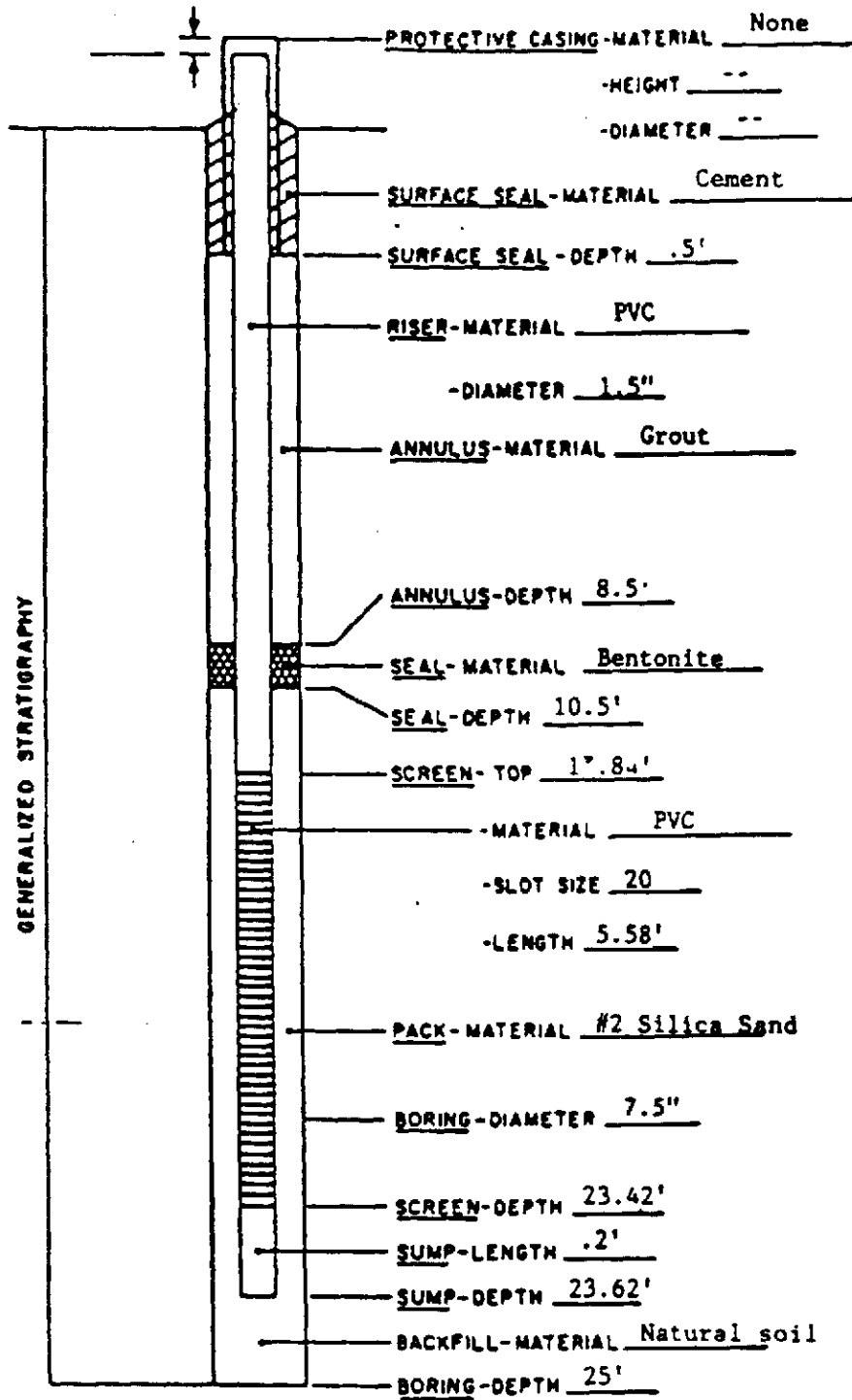
GENERALIZED STRATIGRAPHY

WATER LEVEL UPON COMPLETION _____
 DRILLER Soil and Material Testing
 METHOD Hollow Stem Auger
 RIG TYPE Truck Mounted
 SAMPLING METHOD Split spoon
 DEVELOPMENT DATE 11-2-89
 DEVELOPMENT METHOD Centrifugal pump



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ENGINEERS, P.C.

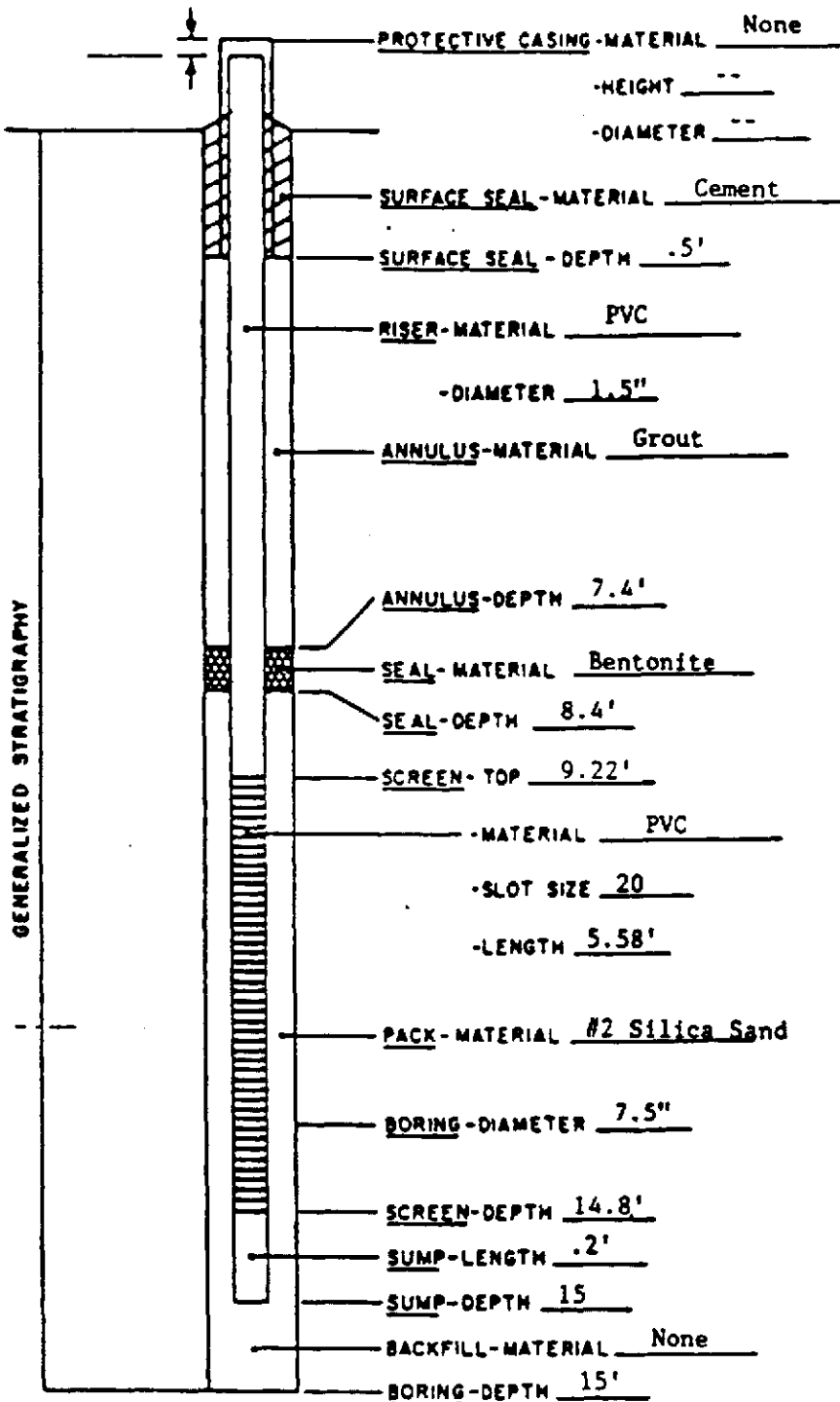
SUBSURFACE FIELD LOG
MONITORING WELL CONSTRUCTION DETAILS



WELL NO PZ-1D
 PROJECT GE-Pitts.
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 10-24-89

WATER LEVEL UPON COMPLETION _____
 DRILLER Soil and Material Testing
 METHOD Hollow Stem Auger
 RIG TYPE Truck Mounted
 SAMPLING METHOD Split spoon
 DEVELOPMENT DATE 11-2-89
 DEVELOPMENT METHOD Centrifugal pump

SUBSURFACE FIELD LOG
MONITORING WELL CONSTRUCTION DETAILS

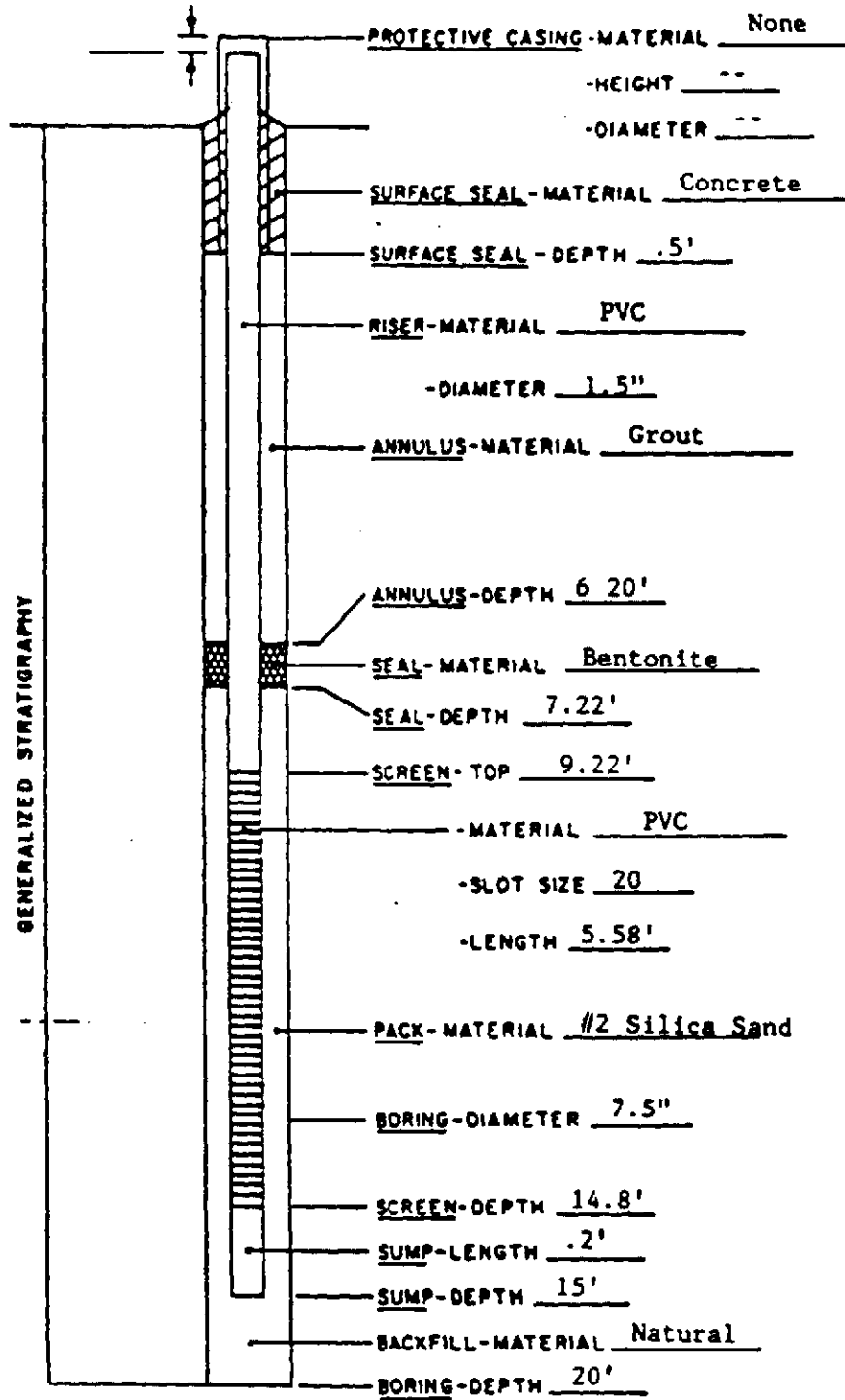


WELL NO PZ-2S
 PROJECT GE-Pitts.
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 10-27-89

GENERALIZED STRATIGRAPHY

WATER LEVEL UPON COMPLETION _____
 DRILLER Soil and Material Testing
 METHOD Hollow Stem Auger
 RIG TYPE Truck Mounted
 SAMPLING METHOD Split spoon
 DEVELOPMENT DATE 11-2-89
 DEVELOPMENT METHOD Centrifugal pump

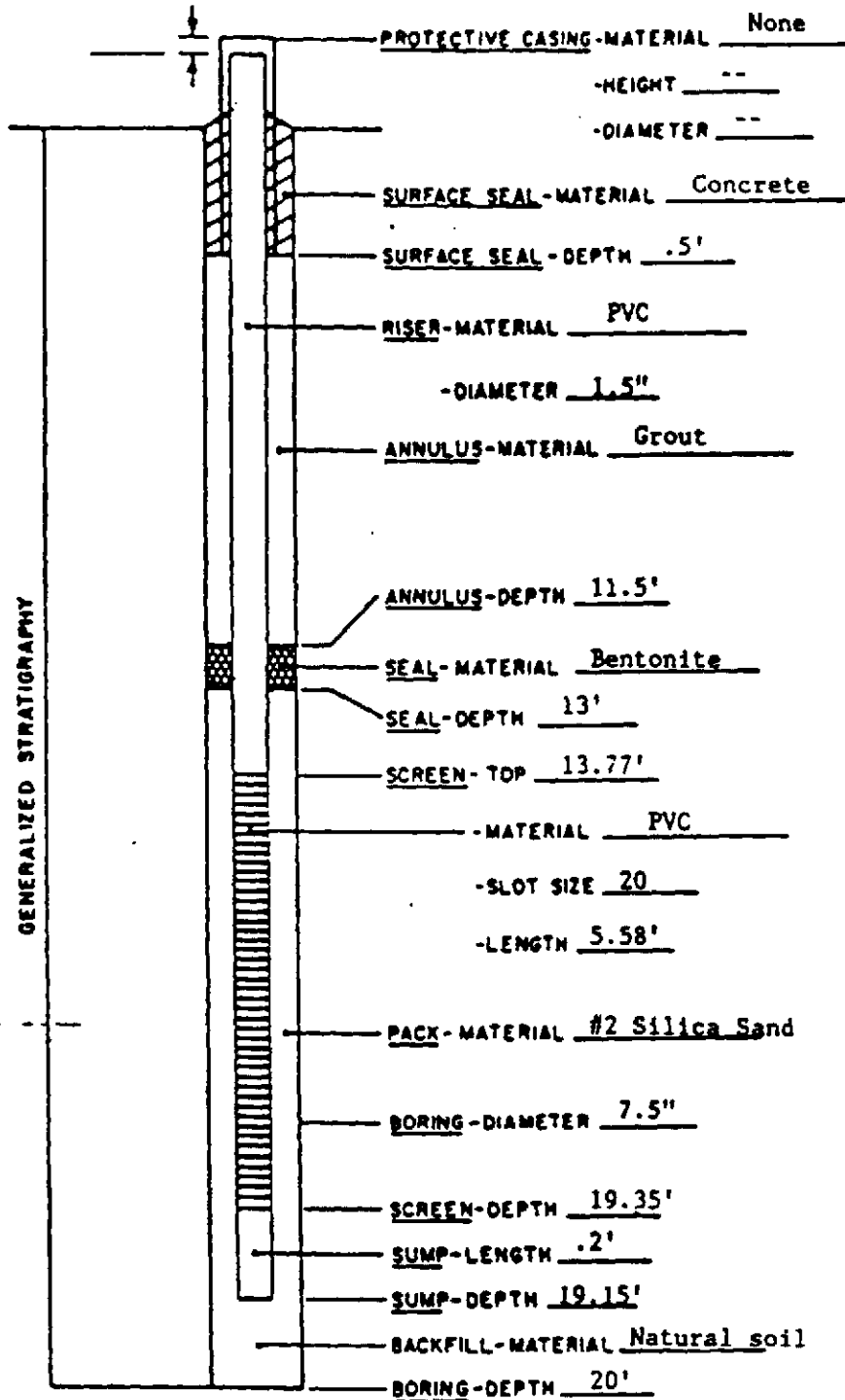
SUBSURFACE FIELD LOG
MONITORING WELL CONSTRUCTION DETAILS



WELL NO PZ-3S
 PROJECT GE-Pitts.
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 10-27-89

WATER LEVEL UPON COMPLETION _____
 DRILLER Soil and Material Testing
 METHOD Hollow Stem Auger
 RIG TYPE Truck Mounted
 SAMPLING METHOD Split spoon
 DEVELOPMENT DATE 11-2-89
 DEVELOPMENT METHOD Centrifugal pump

SUBSURFACE FIELD LOG
MONITORING WELL CONSTRUCTION DETAILS

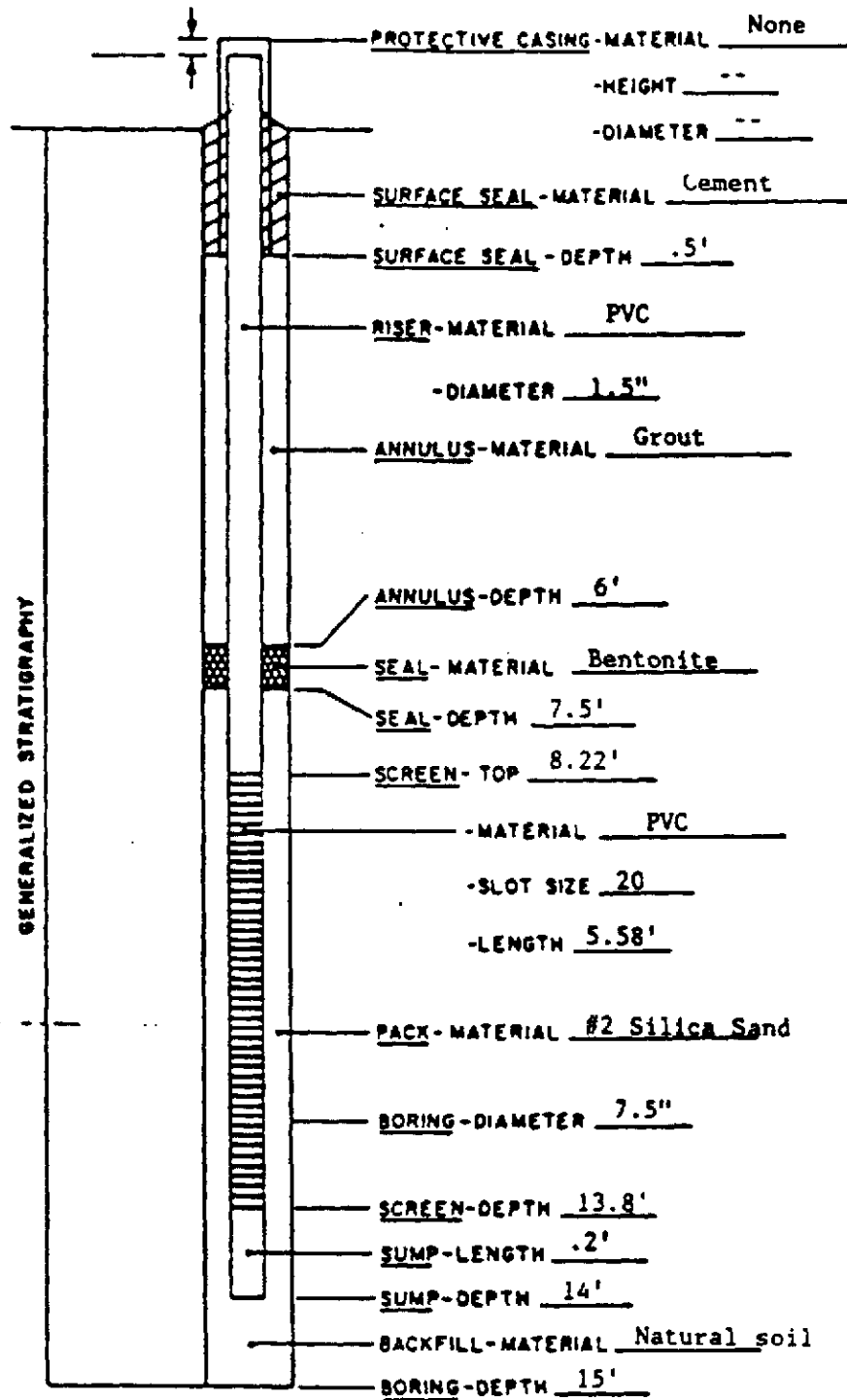


WELL NO PZ-3D
 PROJECT GE-Pitts.
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 10-27-89

GENERALIZED STRATIGRAPHY

WATER LEVEL UPON COMPLETION _____
 DRILLER Soil and Material Testing
 METHOD Hollow Stem Auger
 RIG TYPE Truck Mounted
 SAMPLING METHOD Split spoon
 DEVELOPMENT DATE 11-2-89
 DEVELOPMENT METHOD Centrifugal pump

SUBSURFACE FIELD LOG
MONITORING WELL CONSTRUCTION DETAILS



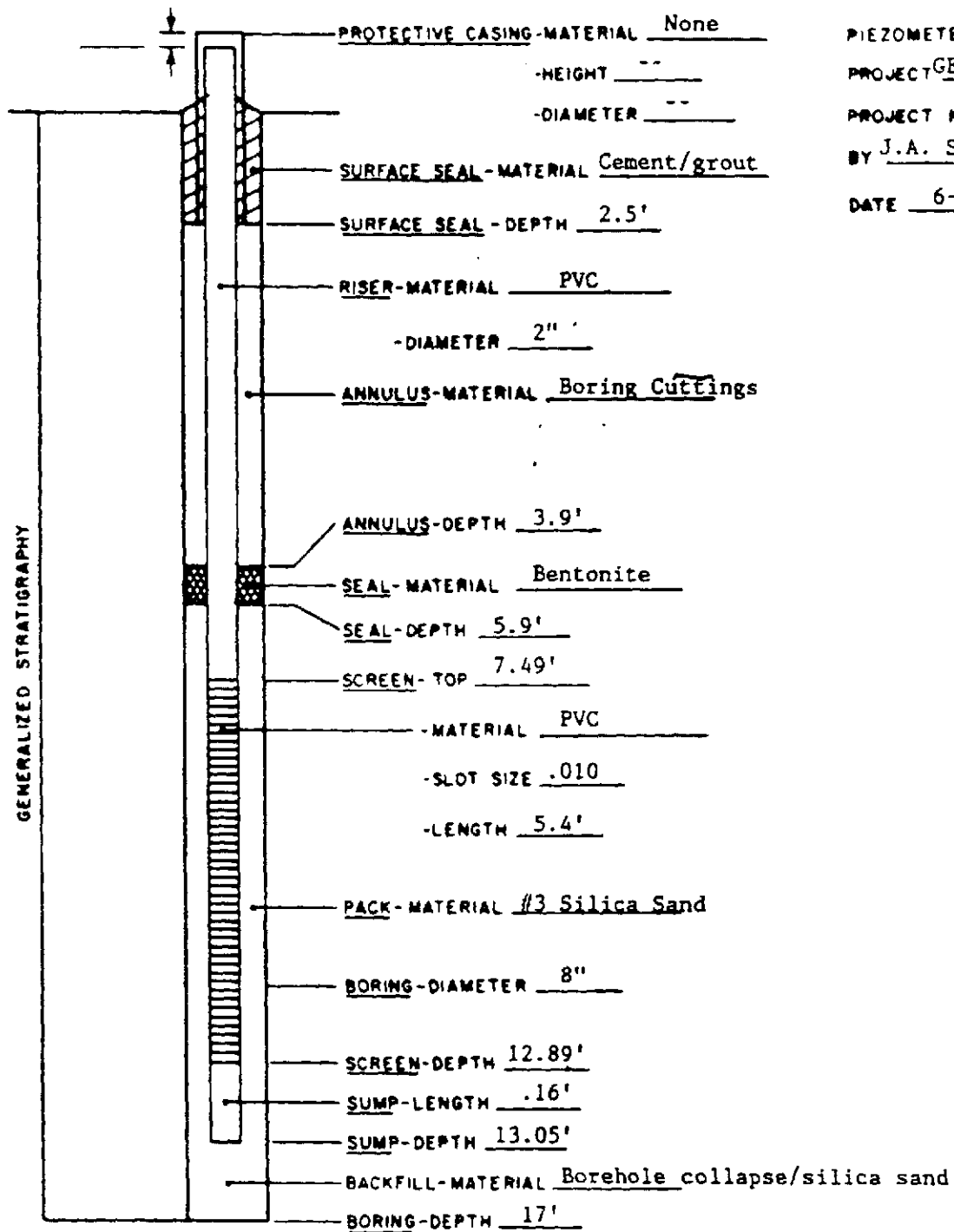
WELL NO PZ-4S
 PROJECT GE-Pitts.
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 10-27-89

GENERALIZED STRATIGRAPHY

WATER LEVEL UPON COMPLETION _____
 DRILLER Soil and Material Testing
 METHOD Hollow Stem Auger
 RIG TYPE Truck Mounted
 SAMPLING METHOD Split spoon
 DEVELOPMENT DATE 11-2-89
 DEVELOPMENT METHOD Centrifugal pump

SUBSURFACE FIELD LOG PIEZOMETER CONSTRUCTION DETAILS

SHEET 1 OF 1



PIEZOMETER PZ-5S
 PROJECT GE Pittsfield
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 6-5-90

GENERALIZED STRATIGRAPHY

WATER LEVEL UPON COMPLETION _____

DRILLER Parrott Wolff

METHOD Hollow Stem Auger

RIG TYPE Truck Mounted

SAMPLING METHOD --

DEVELOPMENT DATE 6-5-90

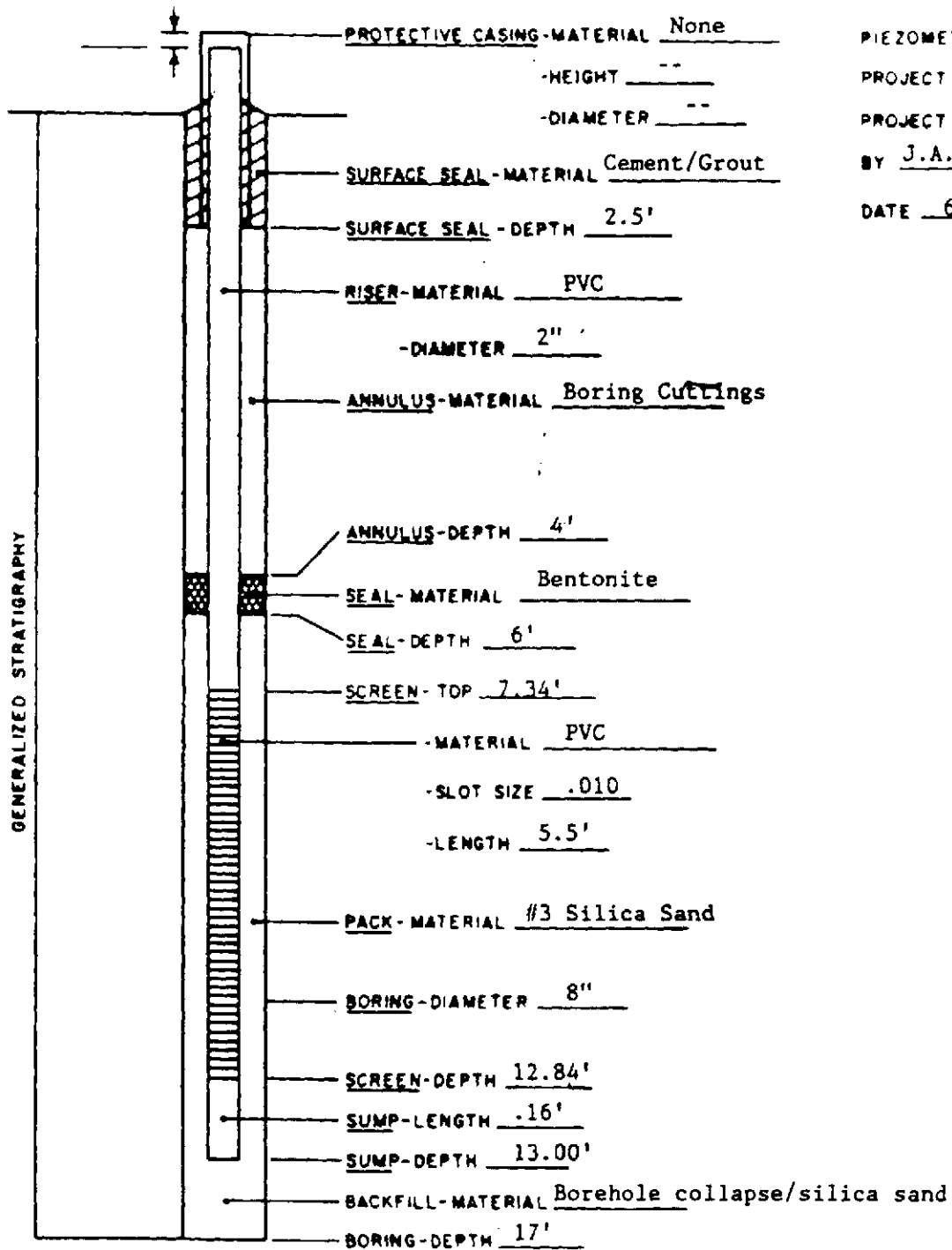
DEVELOPMENT METHOD Centrifugal



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ENGINEERS, P.C.

SUBSURFACE FIELD LOG PIEZOMETER CONSTRUCTION DETAILS

SHEET 1 OF 1



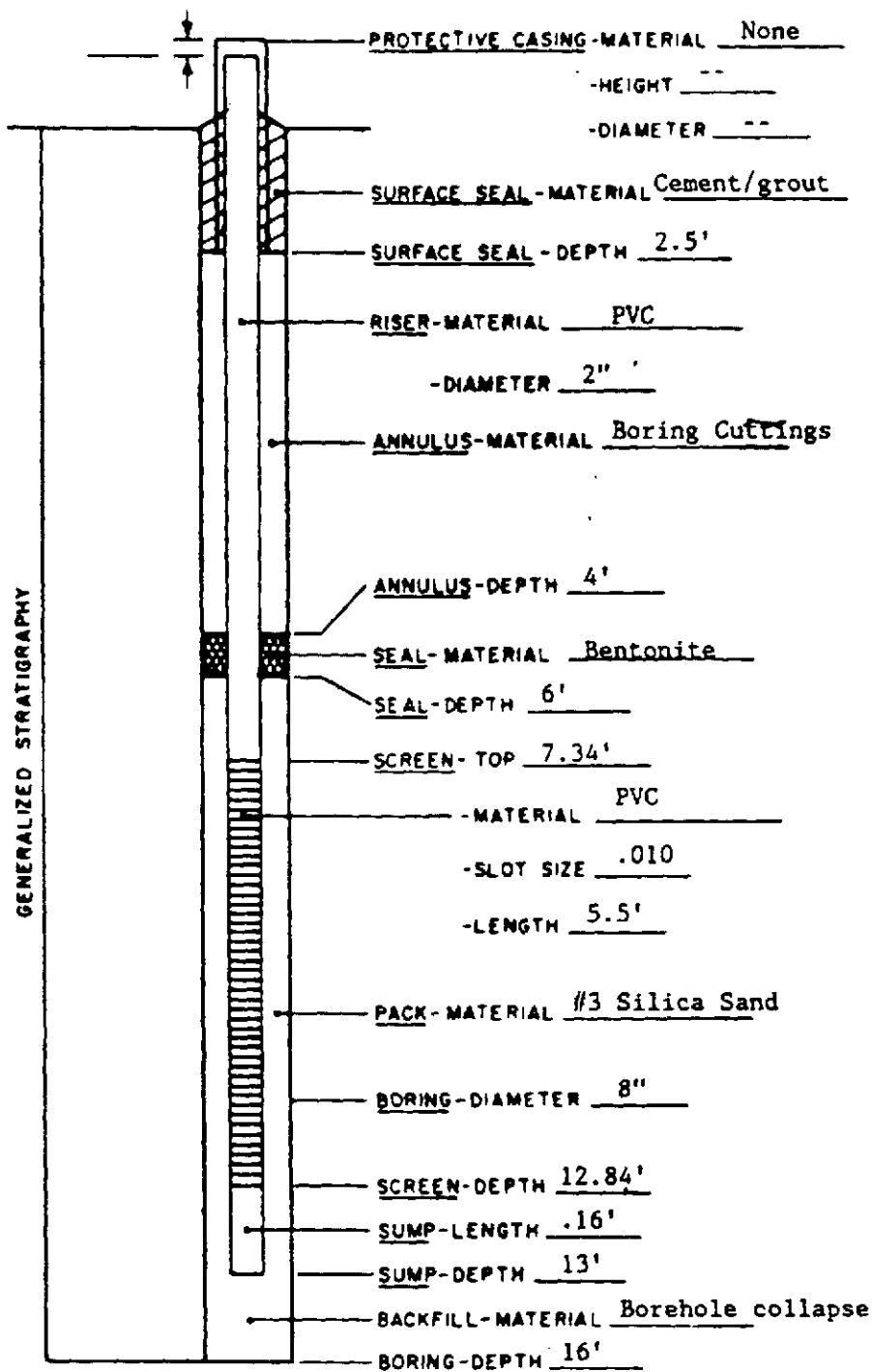
PIEZOMETER PZ-6S
 PROJECT GE Pittsfield
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 6-5-90

GENERALIZED STRATIGRAPHY

WATER LEVEL UPON COMPLETION _____
 DRILLER Parrott Wolff
 METHOD Hollow Stem Auger
 RIG TYPE Truck mounted
 SAMPLING METHOD --
 DEVELOPMENT DATE 6-6-90
 DEVELOPMENT METHOD Bailed

SUBSURFACE FIELD LOG PIEZOMETER CONSTRUCTION DETAILS

SHEET 1 OF 1



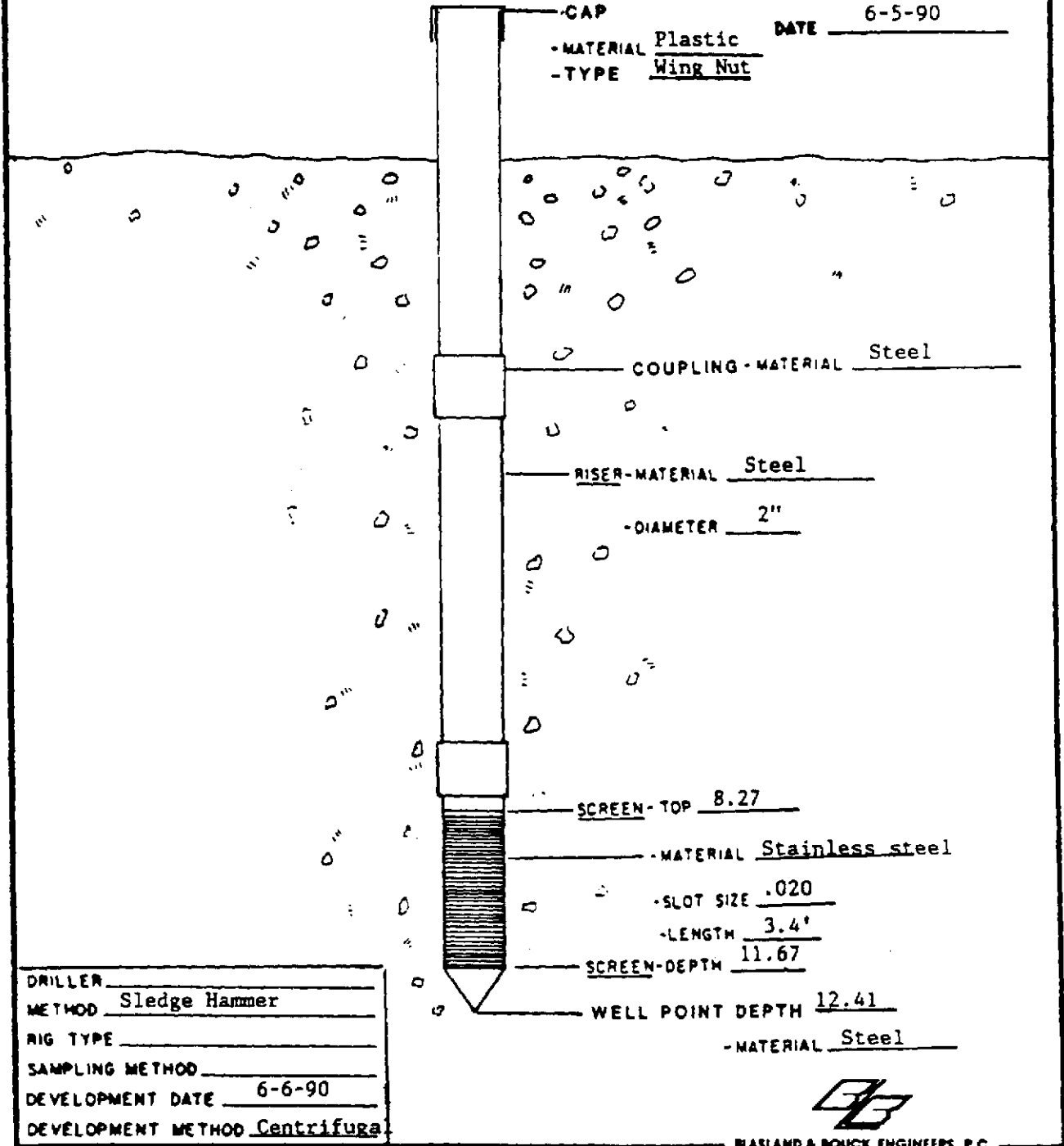
PIEZOMETER PZ-7S
 PROJECT GE Pittsfield
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 6-5-90

WATER LEVEL UPON COMPLETION _____
 DRILLER Parrott Wolff
 METHOD Hollow Stem Auger
 RIG TYPE Truck mounted
 SAMPLING METHOD _____
 DEVELOPMENT DATE 6-6-90
 DEVELOPMENT METHOD Bailed

10457

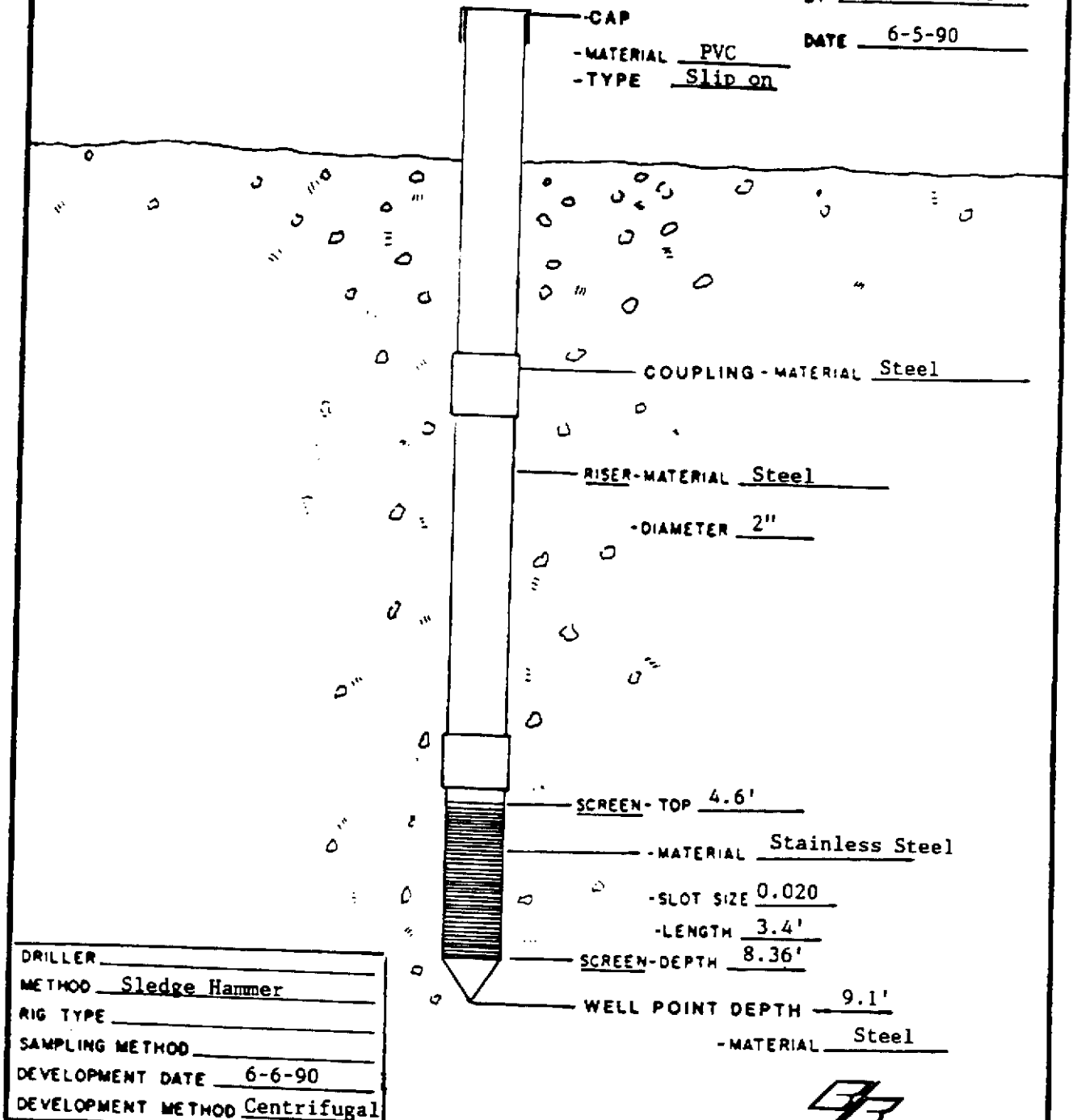
PIEZOMETER CONSTRUCTION DIAGRAM (WELL POINT)

PIEZOMETER WP-1
 PROJECT GE River Bank
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 6-5-90



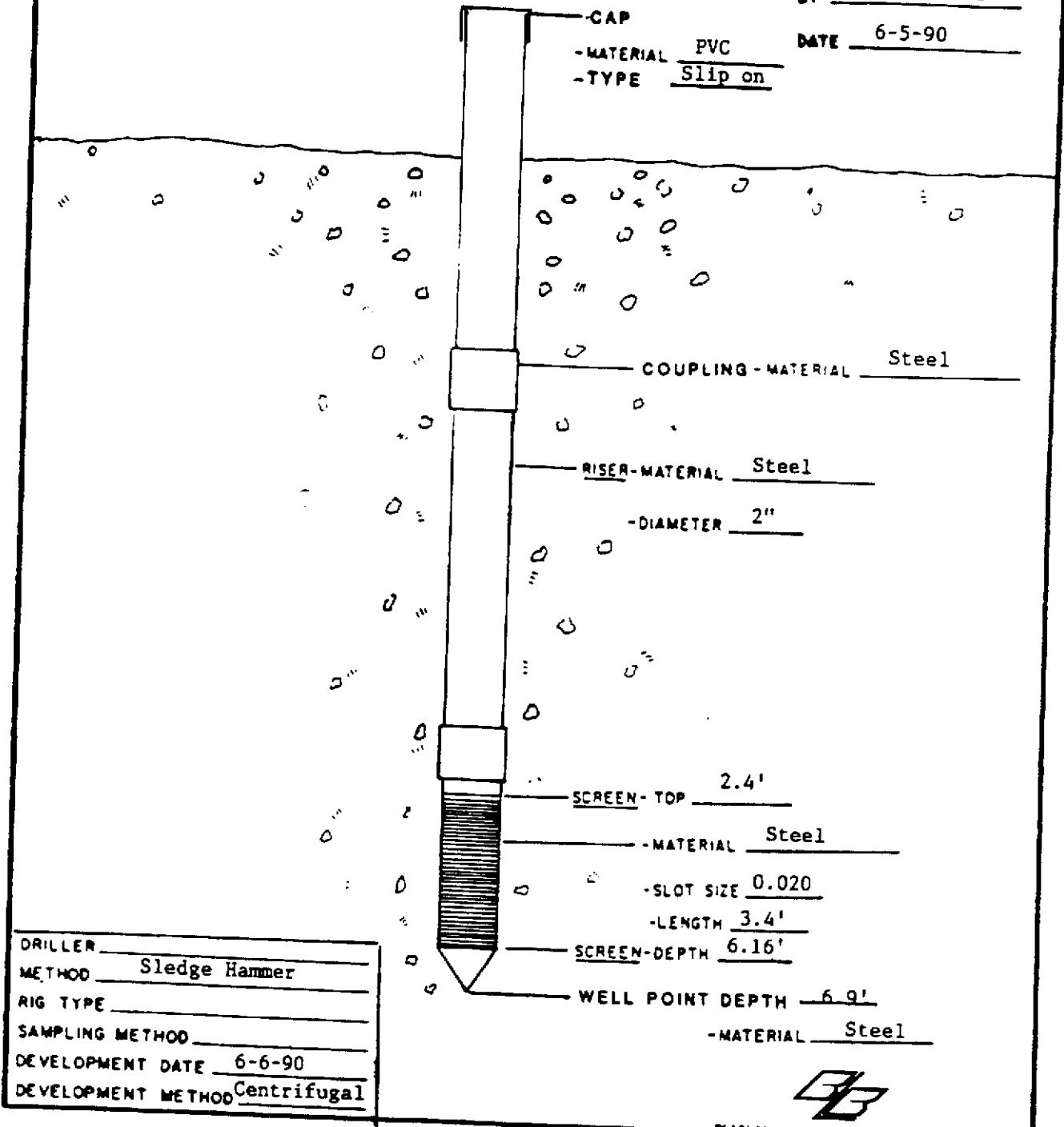
PIEZOMETER CONSTRUCTION DIAGRAM (WELL POINT)

PIEZOMETER WP-2
 PROJECT GE River Bank
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 6-5-90



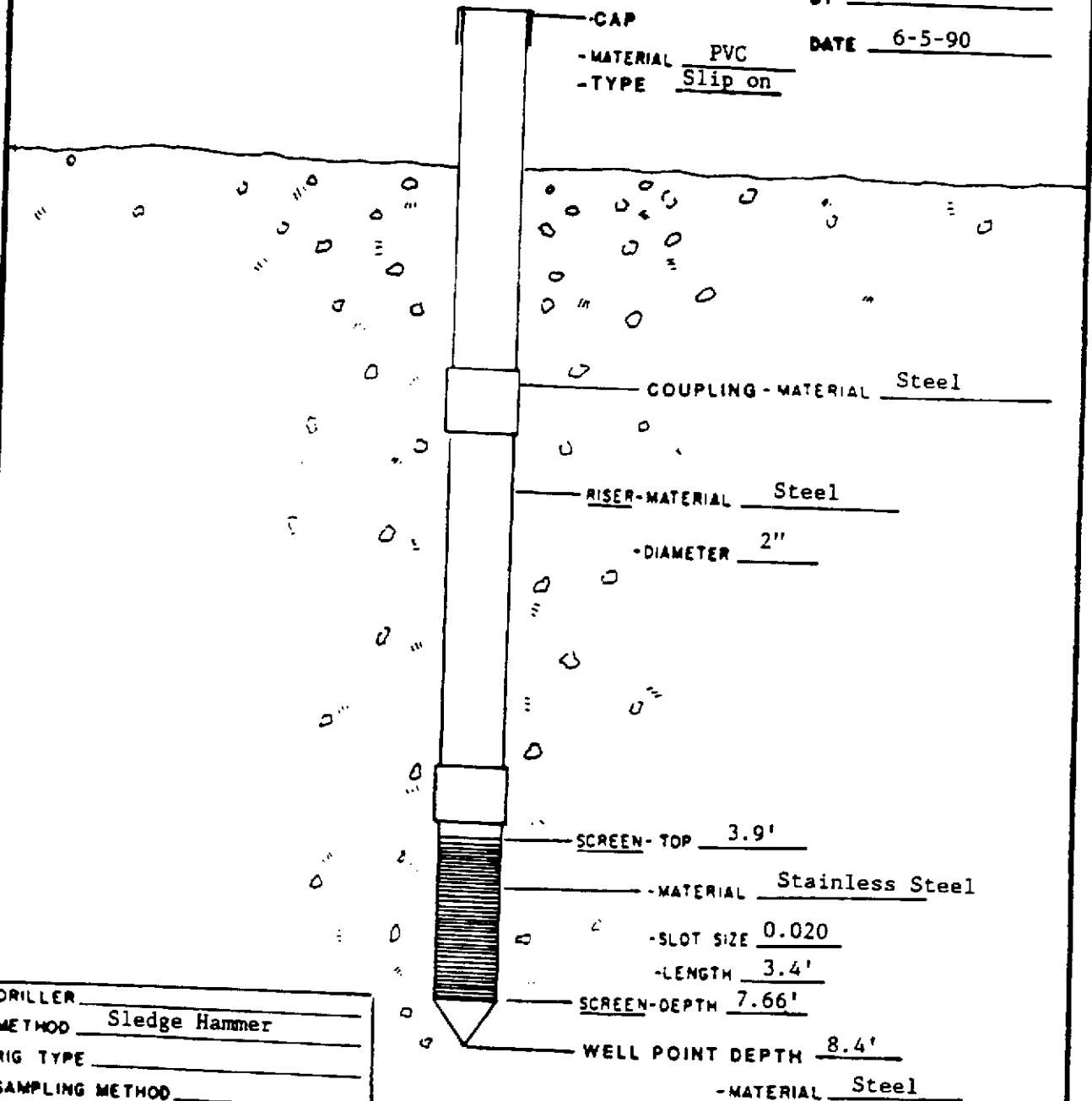
PIEZOMETER CONSTRUCTION DIAGRAM (WELL POINT)

PIEZOMETER WP-3
 PROJECT GE River Bank
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 6-5-90



PIEZOMETER CONSTRUCTION DIAGRAM (WELL POINT)

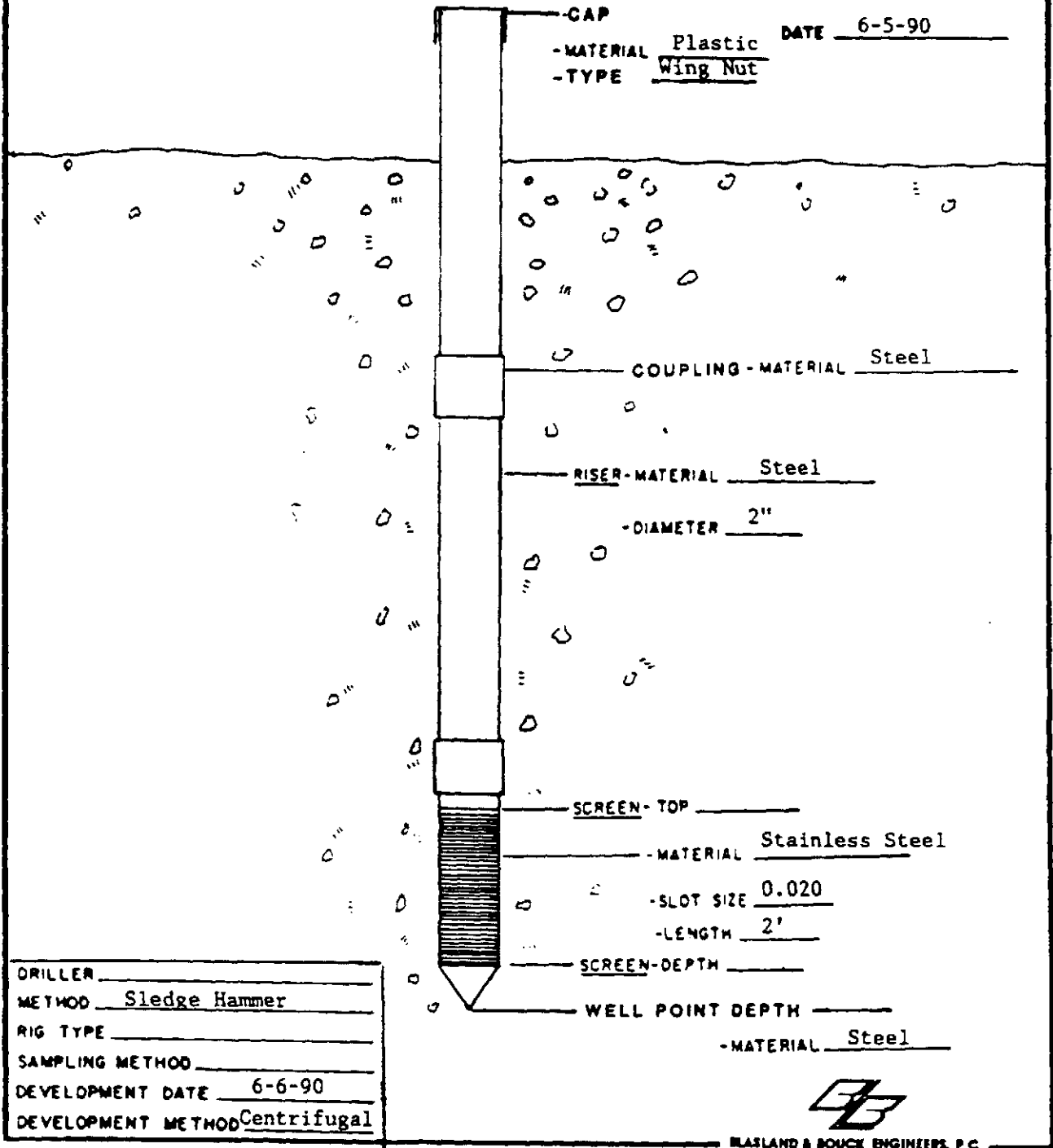
PIEZOMETER WP-4
 PROJECT GE River Bank
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 6-5-90



DRILLER _____
 METHOD Sledge Hammer
 RIG TYPE _____
 SAMPLING METHOD _____
 DEVELOPMENT DATE 6-6-90
 DEVELOPMENT METHOD Centrifugal

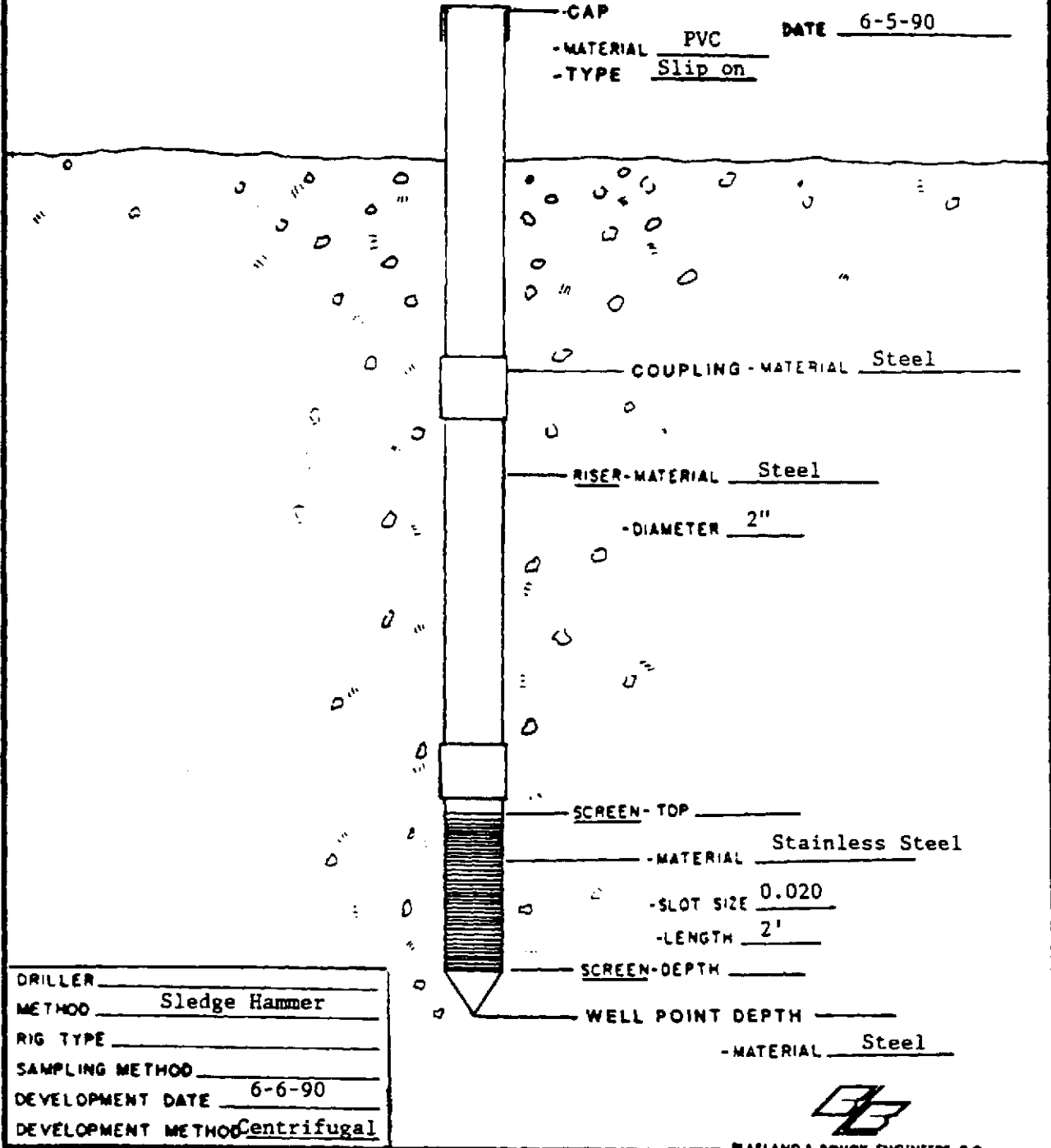
PIEZOMETER CONSTRUCTION DIAGRAM (WELL POINT)

PIEZOMETER WP-5
 PROJECT GE River Bank
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 6-5-90



PIEZOMETER CONSTRUCTION DIAGRAM (WELL POINT)

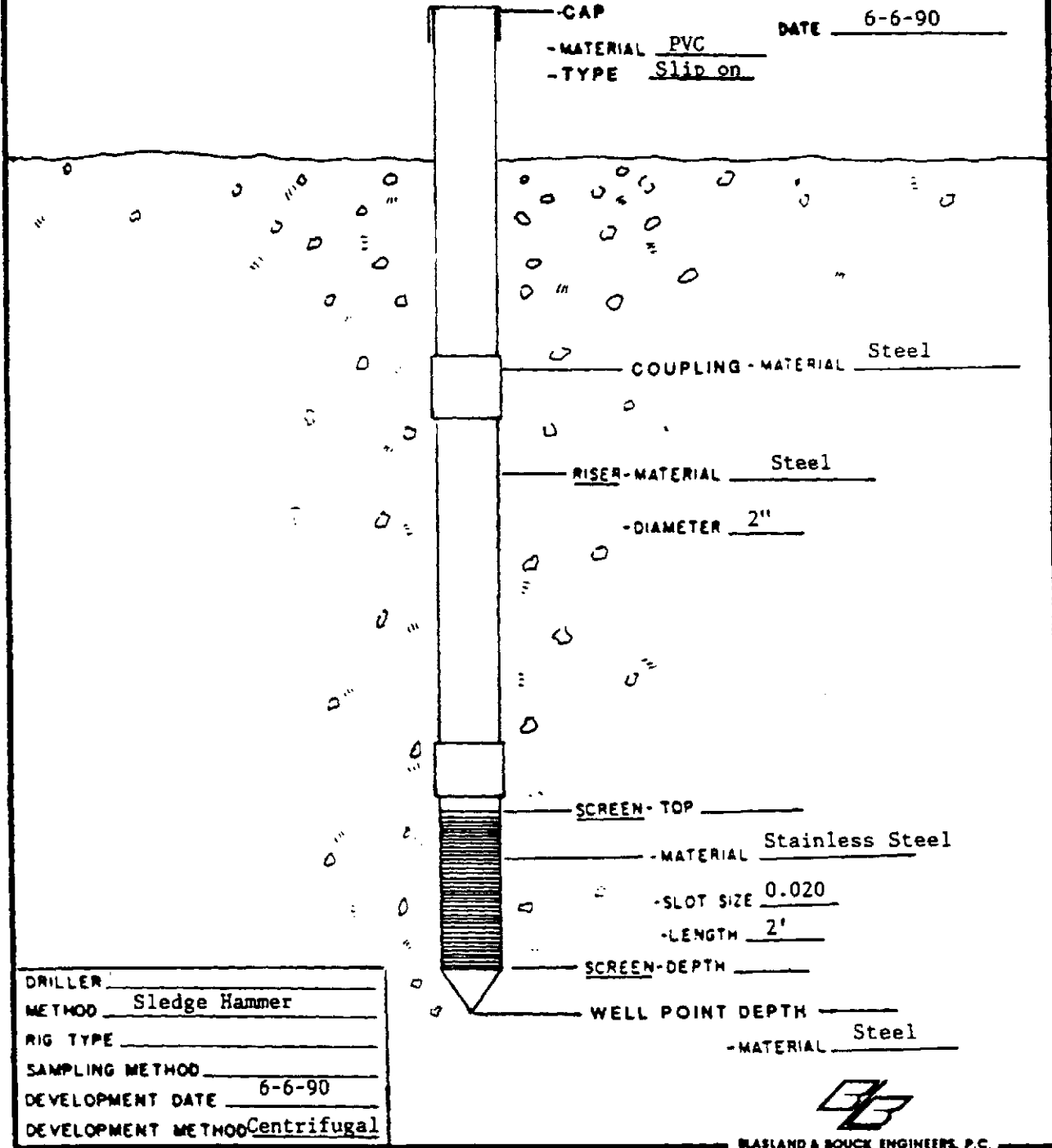
PIEZOMETER WP-6
 PROJECT GE River Bank
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 6-5-90



DRILLER _____
 METHOD Sledge Hammer
 RIG TYPE _____
 SAMPLING METHOD _____
 DEVELOPMENT DATE 6-6-90
 DEVELOPMENT METHOD Centrifugal

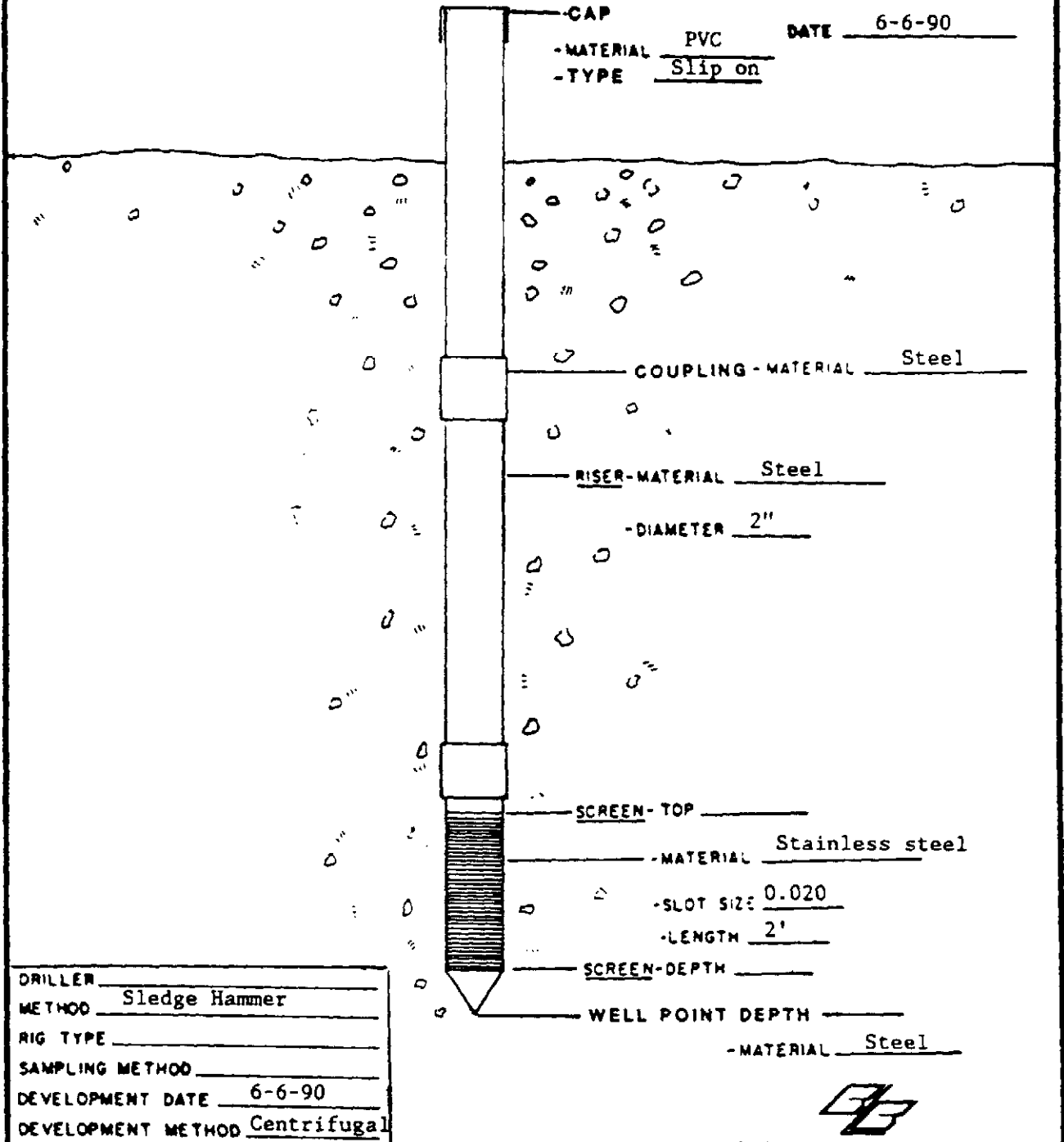
PIEZOMETER CONSTRUCTION DIAGRAM (WELL POINT)

PIEZOMETER WP-7
 PROJECT GE River Bank
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 6-6-90



PIEZOMETER CONSTRUCTION DIAGRAM (WELL POINT)

PIEZOMETER WP-8
 PROJECT GE River Bank
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 6-6-90

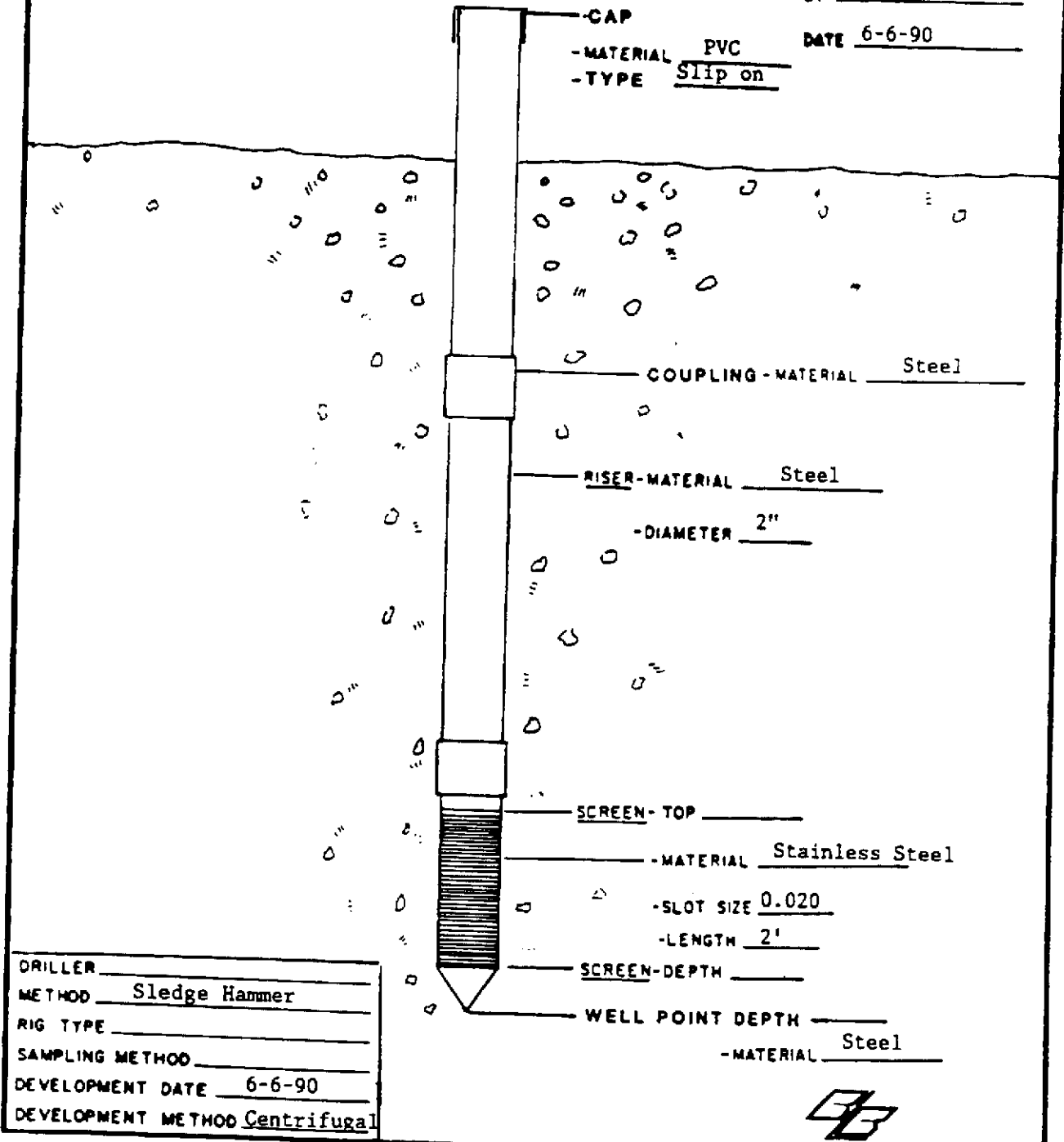


DRILLER _____
 METHOD Sledge Hammer
 RIG TYPE _____
 SAMPLING METHOD _____
 DEVELOPMENT DATE 6-6-90
 DEVELOPMENT METHOD Centrifugal



PIEZOMETER CONSTRUCTION DIAGRAM (WELL POINT)

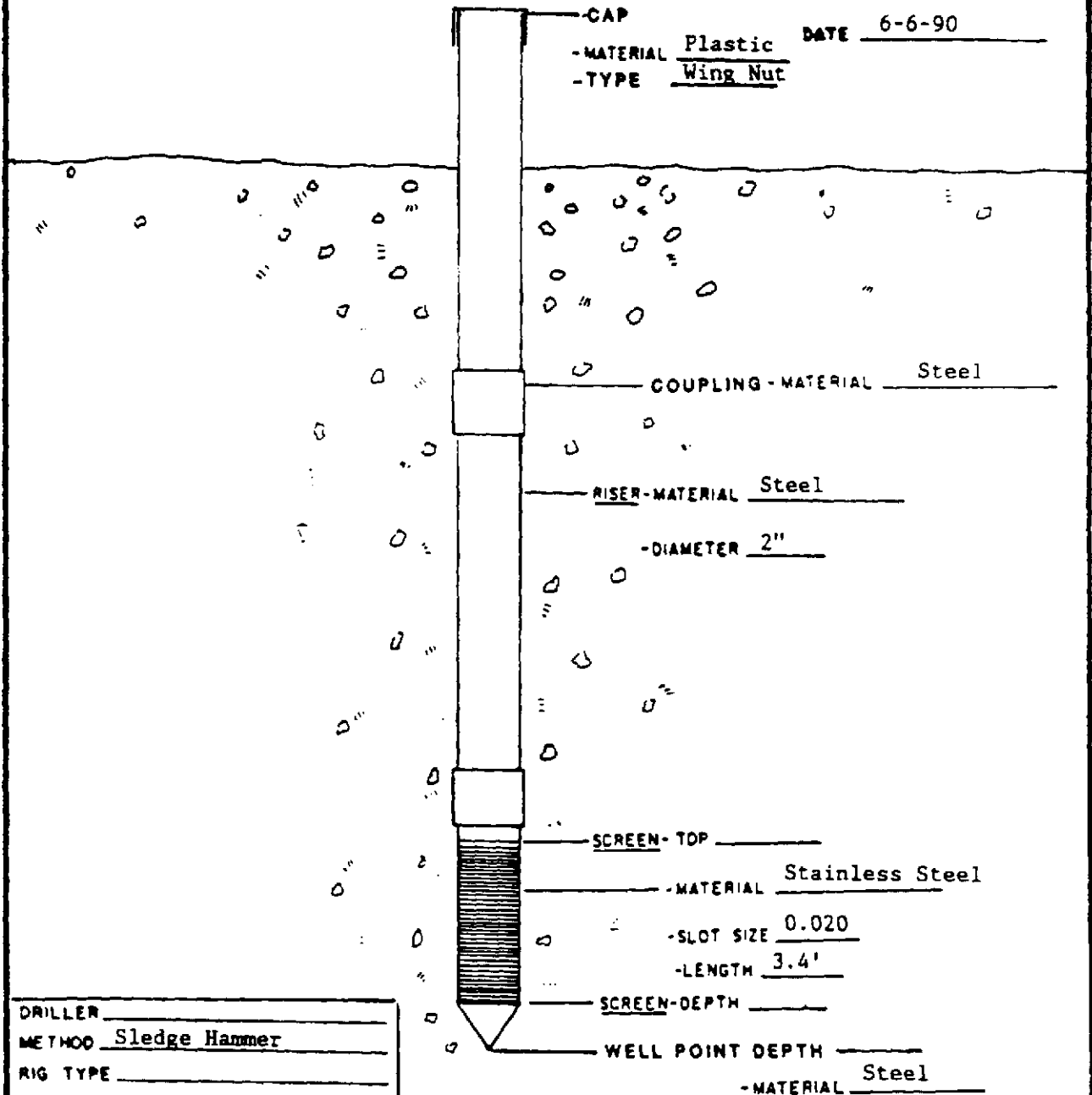
PIEZOMETER WP 0
 PROJECT GE River Bank
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 6-6-90



DRILLER _____
 METHOD Sledge Hammer
 RIG TYPE _____
 SAMPLING METHOD _____
 DEVELOPMENT DATE 6-6-90
 DEVELOPMENT METHOD Centrifugal

PIEZOMETER CONSTRUCTION DIAGRAM (WELL POINT)

PIEZOMETER WP-10
 PROJECT GE River Bank
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 6-6-90

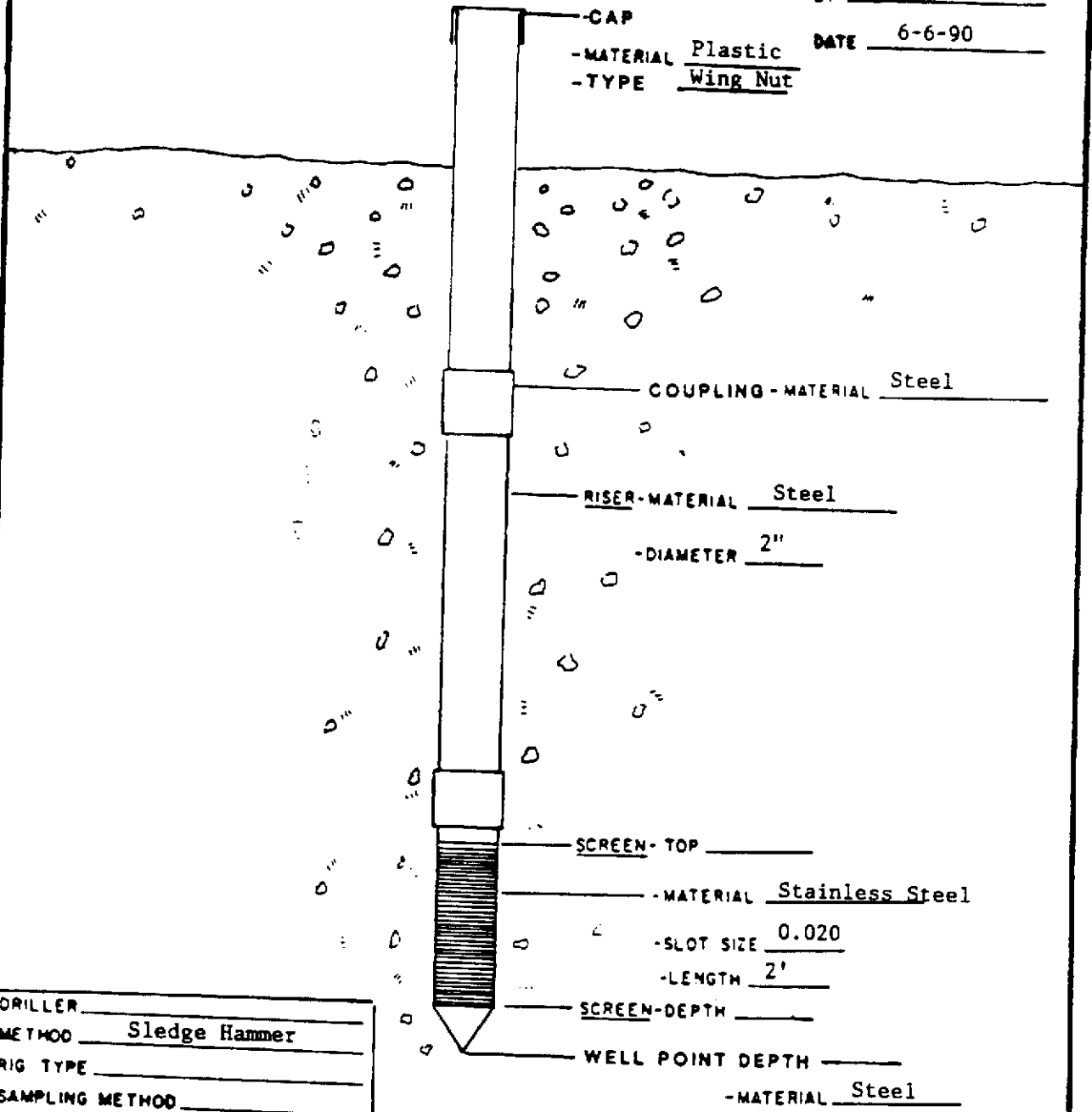


DRILLER _____
 METHOD Sledge Hammer
 RIG TYPE _____
 SAMPLING METHOD _____
 DEVELOPMENT DATE 6-6-90
 DEVELOPMENT METHOD Centrifuga



PIEZOMETER CONSTRUCTION DIAGRAM (WELL POINT)

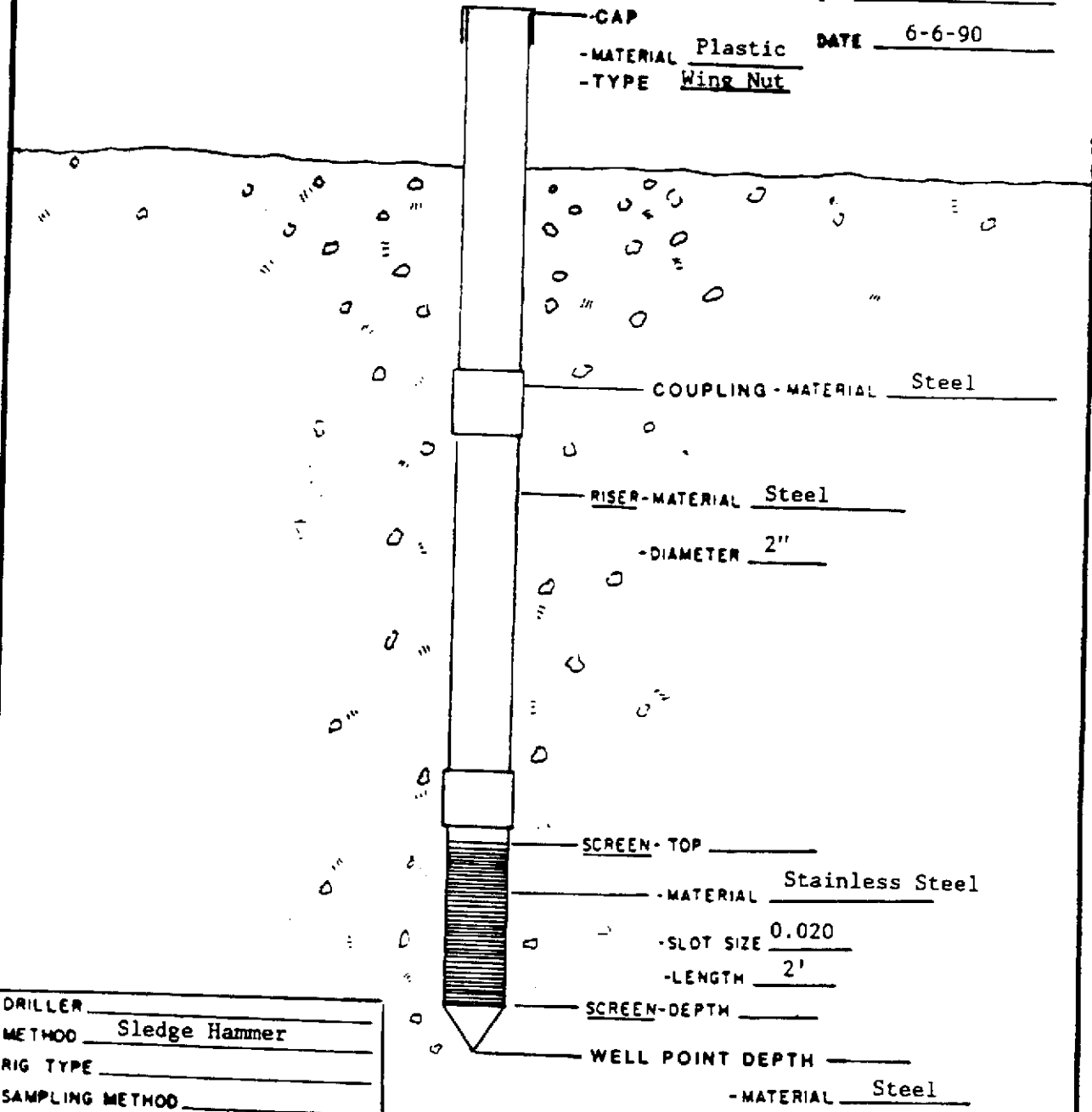
PIEZOMETER WP-11
 PROJECT GE River Bank
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 6-6-90



DRILLER _____
 METHOD Sledge Hammer
 RIG TYPE _____
 SAMPLING METHOD _____
 DEVELOPMENT DATE 6-6-90
 DEVELOPMENT METHOD Centrifugal

PIEZOMETER CONSTRUCTION DIAGRAM (WELL POINT)

PIEZOMETER WP-12
 PROJECT GE River Bank
 PROJECT NO 101.86
 BY J.A. Schaefer
 DATE 6-6-90



DRILLER _____
 METHOD Sledge Hammer
 RIG TYPE _____
 SAMPLING METHOD _____
 DEVELOPMENT DATE 6-6-90
 DEVELOPMENT METHOD Centrifugal





G.E.CO.

G.E.CO.

TYLER ST.

BUILDING 17

BUILDING 7

BUILDING 14

1-A

BUILDING 15

BUILDING 100

6

8

4

1

2

3

12

12-X

12-Y

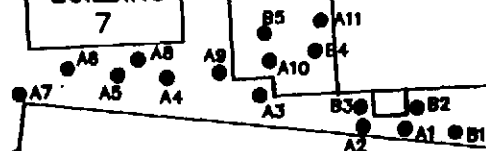
100-A

100-B

12-T

16-X

5



EXPLANATION

● A-1 SOIL BORING LOCATION



SOIL BORING LOCATIONS NORTH OF BUILDING 100

G.E. COMPANY PITTSFIELD MASS.

FIGURE

1

SAMPLE/CORE LOG

BORING/WELL: B-1 PROJECT NO: NY03503 PAGE: 1 of 1
 SITE LOCATION: Bldg. 100, GE-Pittsfield DRILLING STARTED: 2/28/90 DRILLING COMPLETED: 2/28/90
 TOTAL DEPTH DRILLED: 20 ft HOLE DIAMETER: 6-1/4" TYPE OF SAMPLE/CORING DEVICE: Split-Spoon
 LENGTH & DIAMETER OF CORING DEVICE: 2' x 2" SAMPLING INTERVAL: 2 ft
 LAND-SURFACE ELEVATION: _____ () SURVEYED () ESTIMATED DATUM: _____
 DRILLING FLUID USED: None DRILLING METHOD: HSA
 DRILLING CONTRACTOR: Soil&Material Tsting DRILLER: Gilley HELPER: Joe
 PREPARED BY: A. LaBarge HAMMER WEIGHT: 140 HAMMER DROP: 30 inches

SAMPLE DEPTH (FT BELOW LAND SURFACE)		CORE RECVRY (FT)	BLOW COUNTS PER 6 INCHES	SAMPLE/CORE DESCRIPTION
FROM	TO			
0	2	0.9	7-29-13-13	(1.4 ft. concrete above sample depth) 80% silt, fine, brown-gray; 15% gravel, medium-large; 5% sand, brown, fine-medium
2	3	0.7	13-14	Same
4	6	0.9	32-22-32-29	90% silt, very fine grain, gray-brown; 10% gravel, small
6	9	1.3	16-14-15-22	80% silt, very fine grain, gray-brown; 10% sand, fine, red-brown; 10% gravel, small
8	10	1	34-32-34-38	50% silt, fine, brown; 40% sand, fine, red-brown; 10% gravel, small
10	12	1.5	14-21-23-32	60% silt, fine, gray; 30% sand, fine, brown; 10% gravel, small
12	14	1.4	30-47-72-74	80% silt, fine gray; 10% sand, fine, brown; 10% gravel, small (MOISTURE ON RODS)
14	16	1.3	18-28-20-28	60% silt, fine, gray; 40% sand, very fine -- red brown
16	18	0.4	38-100-90-70	60% silt, very fine, gray; 40% sand, very fine, red-brown
18	20	1.5	50-56-70-72	70% very fine sand, red-brown; 30% fine gray, silt

**MCP BORING LOGS AND MONITORING WELL
CONSTRUCTION FORMS**

SAMPLE/CORE LOG

Boring/Well X-1 Project/No. AY05311 Page 1 of 1

Site Location GE, Area 2 Oxbow, Source ID Drilling Started 7-2-91 Drilling Completed 7-2-91

Total Depth Drilled 10 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.9	10-16-21-16	P2X010002	Fill: GRAVEL and ROCK fragments (60%) small to large, angular to crushed; Sand (40%) brown, coarse to fine, dry, loose; Strong chemical odor.
2	4	0.3	54-60/R	P2X010204	Fill: SAND (85%) brown-grey to grey, medium to fine, dry, loose; Gravel (15%) small, subrounded. Spoon refusal at approximately 3 feet. Auger to 4 feet.
4	6	1.0	8-34-9-7	P2X010406	Fill: SAND (85%) grey-brown, coarse to medium, slightly moist, loose; Gravel (15%) small to medium, subrounded; hydrocarbon odor.
6	8	2.0	6-6-6-5	P2X010608	Fill/Natural Interface: SAND (90%) grey, coarse to medium, moist, loose; Gravel (10%) small to medium, subrounded; Slight hydrocarbon odor; Trace wood (roots?) at base.
8	10	2.0	6-3-3-5	P2X010810	Natural SAND (100%) grey to black, medium to fine, moist, roots and reeds; stratified; Trace fine gravel. Bottom of fill = 8 feet.

SAMPLE/CORE LOG

Boring/Well X-4 Project/No. AY05311 Page 1 of 1

Site Location GE, Area 2 Oxbow, Source ID Drilling Started 6-25-91 Drilling Completed 6-26-91

Total Depth Drilled 14 feet Hole Diameter 6 1/4 inches Type of Sample/
Coring Device split-spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	0.9	7-10-14-14	P2X040002	Fill: SAND (85%) light-brown, coarse to medium, loose, dry; Gravel (15%) small to large, rounded.
2	4	1.0	24-47-14-27	P2X040204	Fill: SAND (80%) stained black, coarse to fine, loose to compact at base, dry, strong hydrocarbon odor; Gravel (20%) small to medium, subrounded; Trace brick, small purple material.
4	6	1.0	5-7-10-17	P2X040406	Same as above, strong hydrocarbon odor, trace glass.
6	8	1.2	11-8-9-8	P2X040608	Fill: SAND (70%) stained black, coarse to medium, compact, moist, strong hydrocarbon odor; Gravel (15%) small to large, subangular; Other fill material (15%) wood, brick, glass.
8	10	0.9	9-15-9-11	P2X040810	Fill: SAND (50%) brown to black, coarse to medium, loose, moist, strong hydrocarbon odor; Gravel (20%) small to medium, rounded; Other fill material (30%) wood, trace brick.
10	12	1.2	12-10-45-11	P2X041012	FILL (80%) large wood fragments, pressed board; Gravel (10%) medium, subrounded; Sand (10%) stained black, coarse to fine, moist, strong hydrocarbon odor.
12	14	1.8	10-11-10-8	P2X041214	Fill/Natural Interface: Top 5' is fill as above (30%), wood, gravel, pressed board. Change at ~ 13 ft to Sand (70%) coarse to medium, well-sorted, brown-grey to stained black, wet. Bottom of fill = 13 feet. Depth to Water = 13 feet.



SAMPLE/CORE LOG

Boring/Well X-5 Project/No. AY05311 Page 1 of 1

Site Location GE, Area 2 Oxbow, Source ID Drilling Started 6-25-91 Drilling Completed 6-25-91

Total Depth Drilled 12 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.6	5-12-12-33	P2X050002	Fill: SAND (75%) brown to black, coarse to fine, dry, loose at top to compact at base; Gravel (15%) small to medium, sub-rounded; Other fill material (10%) cardboard, wood.
2	4	1.1	2-9-12-9	P2X050204	Fill: SAND (80%) brown to black, coarse to fine, dry, loose; Gravel (10%) small to medium, subrounded; Other fill (10%) brick, wood.
4	6	1.2	6-5-6-7	P2X050406	Fill: SAND (70%) brown to olive-brown, coarse to fine, moist, loose at top, more compact at base; Gravel (20%) small to medium, subrounded; Other fill material (10%) brick, large mica fragments, wood.
6	8	0.7	6-10-15-60/R	P2X050608	Fill: SAND (70%) stained black, coarse to fine, moist, slight hydrocarbon odor; Gravel (15%) small to medium, subrounded; Other fill material (15%) large wood fragments. Wood stuck in shoe; spoon refusal at 7.5 feet; auger to 8 feet.
8	10	0.3	10-15-10-13	P2X050810	Fill: Same as above, poor recovery, Fill: metal, ceramic, wood pushing wood. Natural at approximately 10 feet.
10	12	1.7	10-12-7-9	P2X051012	Fill/Natural Interface at ~ 10 ft. Fill: SAND (30%) stained black, coarse to fine, moist, slight hydrocarbon odor; Fill material (20%) wood; Change at 9 ft to natural Sand (50%) coarse to medium, well-sorted, moist, loose. Bottom of fill= 10 feet.

SAMPLE/CORE LOG

Boring/Well X-6 Project/No. AY05311 Page 1 of 1

Site Location GE, Area 2 Oxbow, Source 10 Drilling Started 6-25-91 Drilling Completed 6-25-91

Total Depth Drilled 10 feet Hole Diameter 6 1/4 inches Type of Sample/Coring Device split-spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	0.7	16-24-28-28	P2X060002	Fill: SAND (60%) brown to black, coarse to fine, dry, loose; Gravel (40%) angular to rounded, small to large; slight black staining on sand; Trace brick, micaceous flakes, slight hydro- carbon odor.
2	4	0.8	19-17-12-20	P2X060204	Fill: SAND (75%) brown to stained black, coarse to fine, loose, dry; Gravel (15%) small to large, subangular; Other fill material (10%) Wood, Brick, Cellophane paper, strong hydrocarbon odor.
4	6	0.2	24-15-9-7	P2X060406	Fill: SAND (80%) stained black, coarse to fine, loose, moist; Gravel (15%) small, subrounded; Other fill material (5%) Ceramic, Cellophane paper, Wood. Strong hydrocarbon odor.
6	8	2.0	9-10-7-7	P2X060608	Fill/Natural Interface approximately 7 feet; Sand as above (30%) with fill material (20%) Wood, Plastic, Cellophane to 7 feet; Natural: SAND (50%) coarse to medium, trace fine, well-sorted, brown-grey with roots, moist.
8	10	2.0	7-5-4-4	P2X060810	Natural: SAND (100%) coarse to medium, trace fine, brown-grey, well-sorted, moist, loose, trace organics, strong hydrocarbon odor. Bottom of fill = 7 feet.



SAMPLE/CORE LOG

Boring/Well X-7 Project/No. AY05311 Page 1 of 2
 Site Location GE, Area 2 Oxbow, Source 1D Drilling Started 6-26-91 Drilling Completed 6-26-91
 Total Depth Drilled 16 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.3	3-10-12-10	P2X070002	Fill: SAND (90%) brown to black, coarse to medium, trace fine, dry, loose; Gravel (10%) small, subrounded to rounded; slight hydrocarbon odor; Trace roots.
2	4	1.0	12-8-6-6	P2X070204	Fill: SAND (90%) brown to black, coarse to medium, trace fine, dry, loose; Gravel (10%) small, rounded; Trace cinders, charred; Trace roots; strong hydrocarbon odor.
4	6	2.0	2-4-4-3	P2X070406	Fill: SAND (95%) brown to stained black, coarse to medium, well-sorted, moist; Trace fine gravel, rounded; Trace cinders; strong hydrocarbon odor.
6	8	1.4	3-4-3-4	P2X070608	Fill: Sand as above (50%), trace wood, no cinders observed, thick asbestos installation (50%).
8	10	1.2	1-2-3-2	P2X070810	Fill: SAND (100%) coarse to medium, brown-grey, well-sorted, moist; strong hydrocarbon odor, Trace very fine gravel; Trace roots, decayed organics.
10	12	1.0	4-3-2-4	P2X071012	SAND (40%) as above; Wood (50%) large pieces, strong hydrocarbon odor; Trace brick, moist to wet.
12	14	2.0	2-4-4-3	P2X071214	SAND (90%) brown-grey, coarse to medium, well-sorted, wet; Oily sheen on sediments; Wood (10%) broken fragments; Trace brick.

SAMPLE/CORE LOG

Boring/Well X-B Project/No. AY05311 Page 1 of 1
 Site Location GE, Area 2 Oxbow, Source 1D Drilling Started 6-28-91 Drilling Completed 6-28-91
 Total Depth Drilled 14 feet Hole Diameter 6 1/4 inches Type of Sample/Coring Device split-spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.3	5-11-21-23	P2X080002	Fill: SAND (70%) brown to stained black, coarse to fine, dry, loose; Gravel (25%) small to medium, subrounded; Other fill material (5%) brick, scoriaceous coal-slag; strong hydrocarbon odor.
2	4	1.2	18-19-17-40	P2X080204	Fill: SAND (75%) stained black, dry, coarse to fine; Gravel (20%) small to large; subrounded to subangular; Other fill material (5%) brick, coal-slag; strong hydrocarbon odor.
4	6	0.9	5-10-17-42	P2X080406	Fill: SAND (90%) stained black, moist, medium to fine; Gravel (10%) small, subrounded; Trace brick; very strong hydrocarbon odor.
6	8	0.8	19-10-9-10	P2X080608	Fill: Same as above, moist, strong hydrocarbon odor; trace brick
8	10	0.4	12-21-12-10	P2X080810	Fill: SAND (90%) brown to stained black, moist, strong hydrocarbon odor; Gravel (10%) small to medium, subrounded.
10	12	0.4	9-26-12-14	P2X081012	Poor Recovery, wood in shoe. Fill: SAND (75%) stained black, moist to wet, strong hydrocarbon odor; Gravel (20%) small to medium, rounded; Other fill (5%) brick, wood, cellophane.
12	14	1.9	13-12-16-15	P2X081214	Natural soil; SAND (100%) coarse to medium, well-sorted, wet, oily sheen on sediments; Trace fine gravel, rounded, roots.
					Bottom of fill = 13 feet.
					Depth to water = 12 feet.

SAMPLE/CORE LOG

Boring/Well X-9 Project/No. AY05311 Page 1 of 2
 Site GE, Area 2 Oxbow, Source ID Drilling Started 7-1-91 Drilling Completed 7-1-91
 Location _____
 Total Depth Drilled 14 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.0	9-17-18-19	P2X090002	Fill: SAND (80%) brown to black, coarse to fine, dry, loose to slightly compact; Gravel (15%) small to medium, subrounded; Other fill (5%) asphalt, metal.
2	4	1.4	21-18-12-11	P2X090204	Fill: SAND (90%) brown, medium to fine, loose, dry to slightly moist; Gravel (10%) small, subrounded to rounded.
4	6	0.5	21-45-18-60	P2X090406	SAND (95%) brown-grey, medium to fine, moist; Gravel (5%) small, rounded; Trace roots.
6	8	0.3	7-10-8-5	P2X090608	Metal coming up on augers. Fill: SAND (95%) brown to stained black, medium to fine, moist to wet, strong hydrocarbon odor; Gravel (5%) small, rounded. Metal is holding some water at approximately 7 feet.
8	10	1.2	3-5-8-7	P2X090810	SAND (100%) coarse to medium, wet, brown to black, trace roots. Hydrocarbon odor.
10	12	0.9	6-5-2-6	P2X091012	Fill: SAND (95%) brown to black, moist to wet, coarse to medium; Gravel (5%) small, subrounded; Trace wood, asphalt (?).
12	14	2.0	7-12-14-17	P2X091214	Natural: SAND (75%) brown to green-brown, coarse to fine, wet; Gravel (20%) small, rounded; Silt (5%) green-brown, fine; No hydrocarbon odor in natural sediments. Appears as river sediments.
					Bottom of fill = 13 feet, Depth to water = 13 feet.

SAMPLE/CORE LOG

Boring/Well X-10 Project/No. AY05311 Page 1 of 1
 Site Location GE, Area 2 Oxbow, Source ID Drilling Started 7-2-91 Drilling Completed 7-2-91
 Total Depth Drilled 12 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.2	5-8-8-8	P2X100002	Fill: SAND (80%) light brown, coarse to medium, dry, loose; Other fill material (20%) brick, wood, gravel, small to large, subangular.
2	4	0.3	6-4-2-6	P2X100204	Fill: SAND (90%) brown, medium, dry, loose; Gravel (10%) small, subrounded; Trace wood.
4	6	0.2	7-14-9-12		No soil recovery, no sample submitted. GRAVEL (100%) medium, angular, thick coal-tar on spoon, with oily sheen; Trace sand, coarse, stained brown, strong tar/hydrocarbon odor. Remains of rusted barrel in hole.
6	8	0.1	10-6-2-6	P2X100608	Fill: Poor recovery, coarse SAND and small Gravel mixture (100%) stained dark brown with thick coal tar, saturated; strong tar/hydrocarbon odor.
8	10	0.2	6-10-13-21	P2X100810	Fill: GRAVEL (80%) large, angular; Sand (20%) stained dark brown with thick coal tar; coarse to medium, saturated; strong tar/hydrocarbon odor.
10	12	2.0	10-11-12-9	P2X101012	Fill/Natural Interface: Top 1' is GRAVEL (30%) medium to large, angular; with Sand (20%) stained dark brown with coal tar, coarse, saturated; Bottom 1' is natural Sand (50%) fine, stained black, saturated with tar, roots. Strong hydrocarbon odor. Bottom of fill = 11 ft. Augered through rusted barrel at ~ 4 ft.

SAMPLE/CORE LOG

Boring/Well X-11 Project/No. AY05311 Page 1 of 2
 Site Location GE, Area 2 Oxbow, Source ID Drilling Started 7-1-91 Drilling Completed 7-1-91
 Total Depth Drilled 18 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.2	8-9-9-11	P2X110002	Fill: SAND (70%) brown to grey-brown, coarse to fine, dry, loose; Gravel (20%) small, subangular to subrounded; Silt (10%) green-brown; fine, dry; Trace brick.
2	4	1.7	15-10-13-4	P2X110204	Fill: SAND (70%) brown to black, coarse to fine, dry, loose; Gravel (20%) small to medium, subangular; Other fill material (10%) brick, cinders, scoriaceous coal slag, crushed.
4	6	0.8	2-10-10-6	P2X110406	Fill: SAND (70%) brown, coarse to medium, moist, loose; Gravel (25%) small to medium, subangular (phyllite?); Other fill material (5%) brick, wood.
6	8	0.3	8-15-7-8	P2X110608	Same as above, poor recovery.
8	10	0.2	4-4-2-2	P2X110810	Fill: Poor Recovery-SAND (60%) black, coarse, moist to wet; Other fill material (40%) coal slag, brick, glass, cinders.
10	12	0.2	6-5-3-3	P2X111012	Fill: SAND (50%) black, coarse, wet; Other fill material (50%) wood, cinders, brick, gravel, hydrocarbon odor.
12	14	0.2	2-4-10-22		No soil recovery. FILL (100%) wood, coal slag, cinders, no sample submitted, hydrocarbon odor.
14	16	1.6	17-12-6-9	P2X111416	Fill/Natural Interface: SAND (70%) stained black to olive drab, coarse to fine, moist to wet, strong hydrocarbon odor; Gravel (25%) small to medium, subrounded; Wood (5%).



SAMPLE/CORE LOG

Boring/Well X-12 Project/No. AY05311 Page 1 of 1
 Site Location GE, Area 2 Oxbow, Source ID Drilling Started 7-3-91 Drilling Completed 7-3-91
 Total Depth Drilled 10 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device split-spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.7	10-12-18-14	P2X120002	Fill: SAND (80%) brown, coarse to fine, dry, loose; Gravel (20%) small to medium, subangular; Trace brick.
2	4	1.6	16-12-9-7	P2X120204	Fill: SAND (75%) brown to black, coarse to fine, dry, loose; Gravel (20%) small to medium, subangular to subrounded; Other fill material (5%) scoriaceous coal slag, trace brick.
4	6	1.9	3-7-7-8	P2X120406	Fill: SAND (70%) brown to black, coarse to fine, dry, loose to slightly compact; Gravel (20%) small to medium, subangular; Other fill material (10%) brick.
6	8	1.9	7-8-22-14	P2X120608	Fill: SAND (70%) orange, brown, black, coarse to fine, loose and coarse at top, finer and moist at base; Gravel (20%) small to medium, subangular to subrounded; Coal Slag (10%) black, charred
8	10	2.0	7-6-6-7	P2X120810	Fill/Natural interface at approximately 8.5 feet. FILL as above (20%) to 8.5 feet; Sand (80%) coarse to medium, moist, grey-brown to black with roots, reeds, appears stratified, well-sorted, slight chemical odor, slight hydrocarbon odor. Bottom of fill = 8.5 feet.



SAMPLE/CORE LOG

Boring/Well X-13 Project/No. AY05311 Page 1 of 1
 Site Location GE, Area 2 Oxbow, Source ID Drilling Started 7-3-91 Drilling Completed 7-3-91
 Total Depth Drilled 12 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	2.0	6-12-7-6	P2X130002	Fill: SAND (60%) brown, coarse to fine, dry, loose; Coal (30%) black and orange, crushed to whole; Gravel (10%) small to medium, subangular.
2	4	1.1	5-3-4-4		Fill: SCORIA COAL SLAG and CINDERS (100%) black, orange, whole to crushed; No soil recovery, no sample taken.
4	6	1.0	3-2-2-1	P2X130406	Fill: COAL and CINDERS (95%) as above; Sand (5%) brown, coarse moist.
6	8	1.1	3-5-2-2		Fill: COAL and CINDERS (100%) as above; No soil recovery, no sample taken.
8	10	1.0	3-2-3-4	P2X130810	Fill/Natural Interface: COAL and CINDERS (50%) as above; Top 0.5 feet; Natural Sand (50%) orange-brown, coarse, moist, Bottom 0.5 feet, trace organics.
10	12	2.0	2-2-2-2	P2X131012	Natural SAND (100%) orange-brown, coarse to medium, well-sorted, moist, organics and roots. Bottom of fill = 9 feet.



SAMPLE/CORE LOG

Boring/Well X-14 Project/No. AY05311 Page 1 of 2

Site Location GE, Area 2 Oxbow, Source 1D Drilling Started 7-3-91 Drilling Completed 7-5-91

Total Depth Drilled 20 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device split-spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.8	8-16-18-30	P2X140002	Fill: SAND (75%) olive to black, coarse to fine, dry, loose; Gravel (25%) small to medium, subangular.
2	4	0.8	30-14-6-5	P2X140204	Fill: SAND (90%) orange and brown, coarse to medium, dry, loose; Gravel (10%) small, subrounded.
4	6	1.7	3-2-2-3	P2X140406	Fill: SAND (40%) orange to brown, coarse to medium, moist, Top 1 foot; Tar-like fill adhered to wood, black, strong odor with blue particles, bottom 0.7 feet.
6	8	1.0	5-8-10-13	P2X140608	Fill: Tar-like substance (50%) adhered to wood, Top 0.5 feet; strong chemical odor; Sand (50%) mauve to olive-brown, coarse to medium, well-sorted, moist.
8	10	1.6	9-13-14-15	P2X140810	SAND (100%) coarse to medium, olive-brown to brown, well-sorted, moist.
10	12	1.2	5-5-2-6	P2X141012	Fill: SAND (80%) orange to olive-green, coarse to fine, moist, loose to slightly compact; Coal slag and Cinders (10%) black and orange, crushed; Gravel (10%) small, subangular.
12	14	0.3	11-10-5-4	P2X141214	Fill: SAND (50%) as above; Coal slag (50%) as above.
14	16	2.0	5-6-6-26	P2X141416	Fill: SAND (50%) orange, brown, coarse, moist, loose; Rock (50%) crushed, white sandstone and gravel size, subangular to subrounded.

SAMPLE/CORE LOG (Cont.d)

Boring/Well X-14

Page 2 of 2

Prepared By A. LaBarge

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
16	18	1.9	7-24-55-40	P2X141618	Fill: SAND (50%) orange-brown, coarse, moist; loose; Rock fragments (50%) sandstone and gravel as above.
18	20	2.0	29-26-28-21	P2X141820	Fill/Natural Interface: Top 2 inches FILL (10%) as above; remainder is natural Sand (60%) brown to grey, coarse to medium, oily sheen on sediments; Gravel (30%) small to large, rounded to angular, appears as river gravel. Bottom of fill = 18.5 feet.



SAMPLE/CORE LOG

Boring/Well X-15 Project/No. AY05311 Page 1 of 2
 Site Location GE, Area 2 Oxbow, Source ID Drilling Started 7-5-91 Drilling Completed 7-5-91
 Total Depth Drilled 18 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.0	9-17-9-7	P2X150002	Fill: SAND (60%) light brown, medium to fine, dry, loose; Wood (30%) dark brown, decaying; Gravel (10%) small to medium, subrounded.
2	4	0.9	40-60/R	P2X150204	Fill: SAND (70%) light brown to orange, coarse to fine, dry, loose; Gravel (25%) small to medium, subrounded, Other fill (5%) coal slag, trace brick; Slight chemical odor. Spoon refusal at 3 feet. Auger to 4 feet.
4	6	1.0	36-58-17-14	P2X150406	Fill: ROCK fragments (90%) large, broken, angular; Sand (10%) dark brown, medium to fine, dry, loose; Slight chemical odor.
6	8	1.7	13-13-14-12	P2X150608	Fill: SAND (70%) light brown to orange-brown, medium to fine, dry, loose; Gravel (30%) small to medium, subrounded.
8	10	1.6	14-12-22-23	P2X150810	Same as above.
10	12	1.0	22-26-17-16	P2X151012	Fill: SAND (50%) brown, moist, coarse to fine; Gravel (50%) small to large, subangular to subrounded.
12	14	1.8	7-10-9-7	P2X151214	Fill: SAND (60%) brown to orange-brown, moist, compact; Gravel (35%) small to medium, subrounded; Other fill material (5%) coal slag, trace brick, trace glass.
14	16	0.3	10-5-7-8	P2X151416	Fill: Poor recovery; SAND (90%) brown, medium to fine, dry, loose; Gravel (10%) small to medium, subrounded.

SAMPLE/CORE LOG

Boring/Well X-16 Project/No. AY05311 Page 1 of 1

Site Location GE, Area 2 Oxbow, Source ID Drilling Started 7-8-91 Drilling Completed 7-8-91

Total Depth Drilled 14 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	2.0	9-17-15-29	P2X160002	Fill: SAND (90%) light brown, medium to fine, dry, loose; Gravel (10%) small to large, subangular to subrounded, poorly sorted; Trace coal slag.
2	4	0.2	18-11-27-17	P2X160204	Fill: Poor recovery, same as above with smaller gravel.
4	6	2.0	2-4-5-7	P2X160406	Fill: Sand (85%) brown to olive green, coarse to fine, dry to moist; Gravel (15%) small to medium, subrounded.
6	8	1.8	16-9-8-4	P2X160608	Fill: SAND (85%) brown, coarse to fine, dry, loose; Gravel (10%) small, subrounded; Rock fragments (5%) large, angular; Trace coal slag.
8	10	0.8	5-4-17-5	P2X160810	Fill: SAND (80%) brown, coarse to fine, dry to moist; Gravel (20%) small to medium, subrounded; Trace brick; hydrocarbon odor
10	12	1.9	6-6-3-6	P2X161012	SAND (90%) coarse, brown at top to red at base, coarse to fine, dry at top, moist at base; Gravel (10%) small to medium, subrounded.
12	14	2.0	7-9-10-10	P2X161214	Fill/Natural Interface: Top 2 inches is fill as above, SAND (10%) brown, coarse, dry; Bottom 1.8 foot is SAND (80%) orange- brown, well-sorted, moist, loose; Gravel (10%) small to medium, rounded, grading to large gravel at base - appears as river sediments; Roots at 12 feet. Bottom of fill = 11 feet.



SAMPLE/CORE LOG

Boring/Well X-17 Project/No. AY05311 Page 1 of 1

Site Location GE, Area 2 Oxbow, Source ID Drilling Started 7-8-91 Drilling Completed 7-8-91

Total Depth Drilled 10 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	SAMPLEID	Sample/Core Description
From	To				
0	2	1.8	4-4-4-6	P2X170002	Fill: SAND (85%) light-brown to olive-brown, coarse to fine, loose to compact; Gravel (15%) small to medium, subrounded.
2	4	0.3	11-11-7-6	P2X170204	Fill: Poor recovery, SAND (90%) brown, coarse to fine, dry, loose; Gravel (10%) small, subrounded.
4	6	1.8	3-4-5-5	P2X170406	Fill: SAND (80%) olive-brown, fine, compact, moist; Silt (15%) olive-brown, very fine, moist; Gravel (5%) small, subrounded to rounded; small lenses of coarse sand; Trace roots.
6	8	2.0	6-4-8-8	P2X170608	Same as above.
8	10	2.0	5-7-6-7	P2X170810	Fill/Natural Interface at 9 feet: Top one foot is olive-brown sand as above, very fine, compact, with fine Silt (50%); Roots at 9 feet, abrupt change to natural coarse red Sand (50%) well-sorted, trace small gravel. Bottom of fill = 9 feet.

SAMPLE/CORE LOG

Boring/Well X-18 Project/No. AY05311 Page 1 of 1
 Site Location GE, Area 2 Oxbow, Source 1D Drilling Started 7-8-91 Drilling Completed 7-8-91
 Total Depth Drilled 16 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	0.8	4-15-10-17	P2X180002	Fill: SAND (60%) dark-brown to olive-brown, some stained black, coarse to fine, dry; Gravel (25%) small to medium, subrounded; Rock fragments (15%) large, broken, white sandstone; Trace wood, crushed coal.
2	4	1.1	14-10-9-15	P2X180204	Fill: SAND (80%) brown, coarse to medium, dry, loose; Gravel (20%) small to medium, subangular to subrounded; Trace wood.
4	6	1.2	3-7-12-10	P2X180406	Fill: SAND (80%) olive-brown to dark-brown, coarse to fine, dry to slightly moist; Gravel (20%) small to medium, subrounded, Trace roots.
6	8	1.1	7-8-6-7	P2X180608	Fill: SAND (80%) brown to orange-brown at base, coarse to fine, dry; Gravel (20%) small to medium, subrounded.
8	10	1.9	5-4-4-4	P2X180810	Fill: SAND (85%) brown to stained black, coarse to fine, moist; Gravel (15%) small to medium, subrounded; Trace coal slag.
10	12	0.1	3-2-4-4		Fill: No recovery, no sample taken.
12	14	0.9	5-7-9-8	P2X181214	SAND (95%) brown, fine, moist; Gravel (5%) small, rounded; Trace wood.
14	16	1.3	7-7-9-10	P2X181416	SAND (95%) brown to stained black, coarse, moist, slight hydro-carbon odor; Gravel (5%) small, rounded. Bottom of fill = approximately 14 feet.

SAMPLE/CORE LOG

Boring/Well X-19 Project/No. AY05311 Page 1 of 1

Site Location GE, Area 2 Oxbow, Source ID Drilling Started 7-9-91 Drilling Completed 7-9-91

Total Depth Drilled 10 feet Hole Diameter 6 1/4 inches Type of Sample/ Coring Device Split-spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.2	12-13-18-25	P2X190002	Fill: SAND (75%) brown to stained black, coarse to fine, dry; Gravel (20%) small to medium, subangular; Coal Slag (5%) large and small pieces; Trace brick.
2	4	1.0	6-7-9-4	P2X190204	Fill: Tar adhered to soil and Wood (60%) black, looks like tar/asphalt, Wood (20%) black, decaying; Gravel (20%) small to medium, stained black.
4	6	0.9	7-11-4-4	P2X190406	Fill: SAND (75%) brown to stained black, coarse to medium, dry to moist; Gravel (25%) coarse to medium, subrounded; Tar-like substance adhered to soil and wood.
6	8	0.2	1-2-2-1	P2X190608	Poor Recovery: Fill: Tar adhered to soil and wood, soil is indiscernible, stained black, hydrocarbon/tar odor; Trace brick; Possibly spooning through concrete tar separator tank.
8	10	2.0	9-4-60/R	P2X190810	Fill: After 8 blows, spoon dropped one foot, possibly went through clay pipe within tar separator (saved pieces). SAND (90%) stained black, coarse to fine, saturated with tar and/or oil (indiscernible); Wood, Pipe, Gravel (10%). Spoon refusal at 9.5 feet. Concrete bottom of tar separator, end of boring at 11 feet.

SAMPLE/CORE LOG

Boring/Well X-20 Project/No. AY05311 Page 1 of 1
 Site GE, Area 2 Oxbow, Source ID Drilling 7-9-91 Drilling 7-9-91
 Location _____ Started _____ Completed _____
 Total Depth Drilled 14 feet Hole Diameter 6 1/4 inches Type of Sample/
 Coring Device Split-spoon
 Length and Diameter 2' x 2" of Coring Device _____ Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper W. Pike
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.8	4-3-4-5	P2X200002	Fill: SAND (50%) light brown, fine to medium, dry, loose; Gravel (50%) large white rock fragments, broken; Trace ceramic material.
2	4	0.9	4-5-6-4	P2X200204	Concrete pad at 27" below grade. Concrete pad is approximately 10 inches thick. Below pad: SAND (100%) black to grey, coarse, dry, loose; Trace brick (?).
4	6	1.1	5-5-5-5	P2X200406	Fill: SAND (100%) black, grey, brown, coarse, dry, loose.
6	8	1.8	6-5-6-6	P2X200608	Fill: Same as above (100%).
8	10	1.7	8-7-7-11	P2X200810	Fill: Same as above (100%). Sand is slightly finer and moist toward base, with more orange color.
10	12	1.8	12-10-17-10	P2X201012	Fill: SAND (80%) olive-brown, fine to medium-grain, mauve, moist to wet; Gravel (20%) small, subrounded. Some inter- layering of coarse sand in fine sand, no organics apparent.
12	14	1.9	6-16-13-15	P2X201214	Fill/Natural Interface at approximately 13 feet: Natural SAND (50%) coarse, dry, mixed with Gravel (40%) small to medium, rounded, appears as river gravel. Roots and organics at approximately 13 feet. Above natural interface is fill, Sand, brown, medium to coarse, dry, loose. Bottom of fill = approximately 13 feet.



SAMPLE/CORE LOG

Boring/Well Y-1 Project/No. AY05311 - Source ID Page 1 of 1
 Site Location GE - Scrap Yard Drilling Started 6-6-91 Drilling Completed 6-6-91
 Total Depth Drilled 10 feet Hole Diameter 12 inches Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method 6 1/4" Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper G. Pemble
 Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	0.6	16-9-10-9	P2Y010002	Fill - SAND (80%) brown, coarse to fine; Gravel (20%) coarse to fine, subround-fragmented; trace organics (roots, wood) organic odor, poorly sorted, damp.
2	4	0.8	3-3-4-10	P2Y010204	Fill - SAND (90%) brown, coarse to fine, little micaceous; Gravel (10%) coarse to fine, subround; trace glass, poorly sorted, organic odor, damp.
4	6	1.0	5-2-2-1	P2Y010406	Fill - Same as above.
6	8	1.5	2-5-4-8	P2Y010608	Fill - SAND (40%) brown-black, coarse to fine, micaceous; Cinders (40%) brown-black with mica-like flakes (Plastic?); Gravel (20%) coarse to medium, subround; poorly sorted, trace ceramic fragments, organic odor, trace black putty-like soft material pebble size, damp-moist.
8	10	0.6	28-14-7-6	P2Y010810	Fill/Natural Interface - Upper 1.0' same as above. Lower 1.0' - SAND (100%) brown-gray, coarse to medium, well sorted, trace fine Gravel, damp.
	10				End of Boring



SAMPLE/CORE LOG

Boring/Well Y-2 Project/No. AY05311 Page 1 of 1

Site Location GE - Scrap Yard Drilling Started 6-7-91 Drilling Completed 6-7-91

Total Depth Drilled 10 feet Hole Diameter 12 inches Type of Sample/ Coring Device split Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method 6 1/4" Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper G. Pemble

Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.0	3-3-15-16	P2Y020002	Fill - SAND (50%) brown, coarse to fine; Gravel (40%) coarse to fine, subround-subangular; Organics (10%) top soil material; poorly sorted, damp.
2	4	0.4	14-8-9-7	P2Y020204	Fill - SAND (70%) brown-black, coarse to fine; trace sorted; Gravel (30%) coarse to fine, subround-subangular; trace roots, cinders (black), poorly sorted, dry-damp.
4	6	0.3	4-5-5-5	P2Y020406	Fill - SAND (50%) brown-black, coarse to fine; Gravel (25%) coarse to fine, subround-subangular; assorted Fill (25%) cinders, metal, wood, leathery fiber material; trace Roots, poorly sorted, moist.
6	8	1.0	15-12-9-8	P2Y020608	Fill - Same as above.
8	10	0.6	7-5-4-15	P2Y020810	Fill/Natural Interface - Upper 0.5' Same as Above. Lower 1.5' - SAND (100%) brown, coarse to medium, trace fine, very well sorted, loose, dry-damp.
	10				End of Boring



SAMPLE/CORE LOG

Boring/Well Y-3 Project/No. AY05311 - Source ID Page 1 of 1

Site Location GE - Area 2 Scrap Yard Drilling Started 6-5-91 Drilling Completed 6-5-91

Total Depth Drilled 10 feet Hole Diameter 12 inches Type of Sample/ Coring Device Split Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method 6 1/4" Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper G. Pemble

Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	0.5	1-4-6-4	P2Y030002	Fill - SAND (60%) brown, coarse to fine; Gravel (30%) coarse to fine, subround; Silt (10%) black, organic; trace organics (roots, leaves) poorly sorted, damp-moist.
2	4	1.0	6-12-10-13	P2Y030204	Fill - SAND (80%) gray-brown, coarse to fine; Gravel (10%) medium to fine, subround; Silt (10%) gray; poorly sorted, damp-moist.
4	6	1.8	4-3-2-2	P2Y030406	Fill - SAND (100%) light brown, medium to fine, little coarse well sorted, little micaceous, trace fine gravel, moist.
6	8	0.8	3-3-8-5	P2Y030608	Fill - SAND (70%) brown-black, coarse to fine; Gravel (20%) coarse to fine, subround to subangular; Silt (10%) brown-black; trace fiber material, cinders, poorly sorted, moist.
8	10	1.0	2-6-4-4	P2Y030810	Fill - SAND (60%) as above; Gravel (20%) as above; Silt (10%) as above; Other Fill (10%) brick, cinders; trace organics (roots), poorly sorted, moist.
10	12	1.7	5-7-4-4	P2Y031012	Fill - SAND (95%) light-brown, fine to medium, well-sorted, moist; Gravel (5%) at base of spoon.
12	14	0.3	5-4-4-3	P2Y031214	Fill - SAND as above with Gravel (5%); small metal scraps.
14	16	0.2	4-8-3-5	P2Y031416	Sand (100%) brown with organic material, leaves, roots.
					Bottom of fill = 15 feet

SAMPLE/CORE LOG

Boring/Well Y-4 Project/No. AY05311 Page 1 of 1

Site Location GE - Scrap Yard Drilling Started 6-5-91 Drilling Completed 6-5-91

Total Depth Drilled 10 feet Hole Diameter 12 inches Type of Sample/ Coring Device Split Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method 6 1/4" Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper G. Pemble

Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	SAMPLEID	Sample/Core Description
From	To				
0	2	1.2	10-11-6-4	P2Y040002	Fill - SAND (80%) brown, coarse to fine; Gravel (15%) coarse to fine, subround; Brick (5%); poorly sorted, asphalt upper 2", damp.
2	4	1.0	4-9-7-7	P2Y040204	Fill - SAND (50%) brown, coarse to fine; Gravel (25%) coarse to fine, subangular to subround; Cinders (25%) crushed and fragmented; trace brick, poorly sorted, damp.
4	6	1.8	6-4-4-3	P2Y040406	Fill - SAND (50%) black, fine to medium, trace coarse, stained; Wood (40%) stained black (railroad ties?); Gravel (10%) coarse to medium; poorly sorted, petroleum odor, trace cinders, glass, ceramic, damp-moist.
6	8	2.0	3-2-3-4	P2Y040608	Fill Upper 4" - Same as above. Lower - SAND (100%) brown-green medium to fine, trace coarse, well sorted, occasional minute orange stains (oxidation), micaceous, slight odor, damp.
8	10	2.0	3-3-3-3	P2Y040810	Fill/Natural Interface - SAND (95%) brown-green (as above) medium to fine, well sorted, micaceous, occasional orange stains; damp-moist.
	10				End of Boring

SAMPLE/CORE LOG

Boring/Well Y-5 Project/No. AY05311 Page 1 of 1
 Site GE - Area 2 Scrap Yard Drilling Started 6-6-91 Drilling Completed 6-6-91
 Location _____
 Total Depth Drilled 10 feet Hole Diameter 12 inches Type of Sample/ Coring Device split Spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method 6 1/4" Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper G. Pemble
 Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	2.0	5-4-4-3	P2Y050002	Fill - SAND (60%) brown, coarse to fine; Gravel (30%) coarse to fine, subround; Organics (10%) roots, leaves, wood; poorly sorted, damp. (10" thick concrete cover)
2	4	2.0	3-4-5-11	P2Y050204	Fill - SAND (70%) brown-light brown, coarse to medium, trace fine; Gravel (30%) coarse to fine, subround; poorly sorted, trace brick, roots, damp.
4	6	2.0	11-6-6-8	P2Y050406	Fill - SAND (70%) light brown, coarse, trace medium; Gravel (30%) fine, little medium to coarse, subround; poorly sorted with 2" well sorted sand, trace roots. (1.0' material soft, green, black and white speckled, wax-like)
6	8	1.8	10-9-5-14	P2Y050608	Fill - SAND (40%) brown, coarse to medium, trace fine; Gravel (30%) coarse to medium, subround; Cinders (20%) brown-black; Wood (10%) railroad ties ?, fibrous material; poorly sorted, moist.
8	10	2.0	15-3-6-8	P2Y050810	Fill - Same as above.
10	12	1.8	7-8-9-9	P2Y051012	SAND (50%) stained black, fine, wet; Wood (20%); Cinders (20%), Gravel (10%) river sediments at base of spoon.
12	14	1.9	8-9-7-9	P2Y051214	SAND (90%) black, coarse to fine with gravelly river sediments (10%) small, rounded; oily sheen on sediments.
					Bottom of Fill = 11.5 feet

SAMPLE/CORE LOG

Boring/Well Y-7 Project/No. AY05311 Page 1 of 1

Site Location GE - Scrap Yard Drilling Started 6-6-91 Drilling Completed 6-6-91

Total Depth Drilled 10 feet Hole Diameter 12 inches Type of Sample/
Coring Device Split Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method 6 1/4" Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper G. Pemble

Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.2	7-8-7-9	P2Y070002	Fill - SAND (60%) brown, coarse to fine; Gravel (25%) coarse to medium, subround; Asphalt (15%) upper 3"; poorly sorted, damp.
2	4	1.8	7-7-5-5	P2Y070204	Fill - SAND (50%) brown, coarse to fine; Gravel (50%) coarse to fine, subround; poorly sorted, damp.
4	6	1.8	5-4-5-5	P2Y070406	Fill - SAND (40%) brown-black, coarse to fine; Gravel (30%) coarse to fine, subround; Cinders (30%) brown-black; wood, glass, poorly sorted, slight odor, moist.
6	8	1.6	3-6-6-6	P2Y070608	Fill - SAND (50%) as above; Gravel (40%) as above; Cinders (10%) as above; trace micaceous sand, black sand (ground cinders?).
8	10	2.0	3-6-8-8	P2Y070810	Fill/Natural Interface - Upper 1.0' Same as Above. Lower 1.0' - SAND (100%) brown, coarse to medium, little micaceous, well sorted, damp.
	10				End of Boring



SAMPLE/CORE LOG

Boring/Well Y-8 Project/No. AY05311 Page 1 of 1
 Site Location GE - Scrap Yard Drilling Started 6-12-91 Drilling Completed 6-12-91
 Total Depth Drilled 10 feet Hole Diameter 12 inches Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method 6 1/4" Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper B. Pike
 Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLEID	Sample/Core Description
From	To				
0	2	1.2	2-4-5-5	P2Y080002	Fill - SAND (60%) brown, coarse to fine; Gravel (30%) coarse to fine, subangular to subround, ballast; assorted Fill (10%) cinders, glass; poorly sorted, 2" brown silt, damp. (between rails - railroad track)
2	4	2.0	14-11-10-11	P2Y080204	Fill - SAND (50%) black stained-brown, coarse to fine; Gravel (30%) coarse to fine, subround; assorted Fill (20%) cinders, coal, glass, ceramic; poorly sorted, moist.
4	6	0.9	19-17-8-7	P2Y080406	Fill/Natural Interface Upper 0.5' - Same as above. Lower 1.5' - SAND (100%) light brown, coarse to medium, well sorted, loose, moist.
6	8	1.6	5-4-5-4	P2Y080608	Natural - SAND (100%) light brown, coarse to medium, slightly micaceous, loose, well sorted, moist-wet.
8	10	2.0	8-5-6-6	P2Y080810	Same as above, moist-wet.
	10				End of Boring



SAMPLE/CORE LOG

Boring/Well Y-9 Project/No. AY05311 Page 1 of 1

Site Location GE - Scrap Yard Drilling Started 6-7-91 Drilling Completed 6-7-91

Total Depth Drilled 12 feet Hole Diameter 12 inches Type of Sample/ Coring Device Split Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method 6 1/4" Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper G. Pemble

Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.6	9-15-33-40	P2Y090002	Fill - SAND (50%) brown, coarse to medium; Gravel (30%) coarse to fine, subround, some fragmented; assorted Fill (20%) cinders, brick; poorly sorted, chemical odor, damp. (10" thick concrete pad cover)
2	4	0.8	28-26-	P2Y090204	Fill - Same as above, chemical odor. 60/0.2
4	6	1.0	32-17-23-16	P2Y090406	Fill - SAND (50%) black stained, coarse to fine; Gravel (25%) coarse to fine, subround; assorted Fill (25%) metal, wire, cinders, brick, wood, white pasty material; trace mica-like cellophane-like flakes, poorly sorted, damp-moist.
6	8	1.5	7-7-7-6	P2Y090608	Fill/Natural Interface? Upper 1.0' - Same as above. Lower 1.0' - SAND (100%) green-gray, coarse to medium, well sorted, loose, micaceous, trace roots, stained dark, slight chemical odor, damp.
8	10	1.5	6-5-4-5	P2Y090810	Natural - Same as lower 1.0' above.
10	12	1.2	5-4-3-3	P2Y091012	SAND (100%) olive brown-gray, coarse to medium, loose, well sorted, slight chemical odor, moist-wet.
	12				End of Boring



SAMPLE/CORE LOG

Boring/Well Y-10 Project/No. AY05311 Page 1 of 1
 Site Location GE - Area 2 Scrap Yard Drilling Started 6-20-91 Drilling Completed 6-20-91
 Total Depth Drilled 12 feet Hole Diameter 6 1/4 inches Type of Sample/Coring Device Split Spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller George Helper Dennis
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.2	2-20-40-20	P2Y100002	Fill - SAND (90%) brown, fine at top, to black, stained, at base; Coal fragments (10%) black, charred.
2	4	1.3	15-23-15-25	P2Y100204	Fill - SAND (60%) brown, fine at top to stained black, coarser at base; Coal fragments (40%) crushed, black.
4	6	0.2	5-3-3-7	P2Y100406	Same as above with wood.
6	8	0.4	6-4-8-14	P2Y100608	Stained black SAND and crushed black COAL mixture (100%), fine to coarse.
8	10	0.2	28/100/R	P2Y100810	Same as above; Refusal at 9 feet after 128 blows (Steel?) Auger to 10 feet.
10	12	2.0	4-2-2-2	P2Y101012	Natural - SAND (100%) well-sorted brown, moist to wet, loose; Trace organic material, roots. Bottom of fill = 10 feet

SAMPLE/CORE LOG

Boring/Well Y-11 Project/No. AY05311 Page 1 of 1

Site Location GE - Scrap Yard Drilling Started 6-12-91 Drilling Completed 6-12-91

Total Depth Drilled 12 feet Hole Diameter 12 inches Type of Sample/
Coring Device Split Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method 6 1/4" Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper B. Pike

Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.3	8-6-4-5	P2Y110002	Fill - SAND (60%) brown-black stained, coarse to fine; Gravel (30%) coarse to fine, subrounded; assorted Fill (10%) cinders, brick, wood; poorly sorted, damp. (6.5 to 7.0" thick concrete overlying)
2	4	0.5	4-2-1-1	P2Y110204	Fill - SAND (40%) brown-black stained, coarse to fine; Gravel (40%) coarse to fine, subround; assorted Fill (20%) cinders, brick, plastic, wood, metal; poorly sorted, moist.
4	6	2.0	2-2-3-5	P2Y110406	Fill/Natural Interface Upper 1.0' - Same as above. Lower 1.0' - SAND (100%) light brown, coarse to medium, loose, well sorted, micaceous, damp.
6	8	1.8	3-3-6-8	P2Y110608	Same as lower 1.0' above.
8	10	2.0	3-6-4-5	P2Y110810	Same as above.
	10				End of Boring



SAMPLE/CORE LOG

Boring/Well Y-12 Project/No. AY05311 Page 1 of 1
 Site Location GE - Scrap Yard Drilling Started 6-12-91 Drilling Completed 6-12-91
 Total Depth Drilled 18 feet Hole Diameter 12 inches Type of Sample/ Coring Device split Spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method 6 1/4" Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper B. Pike
 Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.2	5-10-16-35	P2Y120002	Fill - SAND (40%) brown-black stained, coarse to fine; Gravel (40%) coarse to fine, subround; assorted Fill (20%) cinders, brick; trace brown silt, poorly sorted, compact, damp.
2	4	1.0	11-21-11-18	P2Y120204	Fill - SAND (35%) brown-black stained, coarse to fine; Gravel (35%) coarse to fine, subround; assorted Fill (30%) wood, glass, cinders, brown loose fine material; poorly sorted, damp-moist.
4	6	1.2	14-10-25-12	P2Y120406	Fill - Same as above.
6	8	1.4	11-9-6-6	P2Y120608	Fill - Same as above.
8	10	1.0	10-9-8-8	P2Y120810	Fill - Same as above.
10	12	1.0	8-14-8-10	P2Y121012	Fill - SAND (50%) brown-black stained, coarse to fine; Gravel (40%) fine to medium, little coarse, subround; assorted Fill (10%) cinders, wood, brick; poorly sorted, damp-moist.
12	14	0.7	14-15-12-20	P2Y121214	Fill - Same as above.
14	16	0.6	13-26-4-4	P2Y121416	Fill/Natural Interface - Upper 1.0' - Same as above. Lower 1.0' - SAND (100%) olive green-gray, coarse to medium, loose, well sorted, micaceous, moist-wet.
16	18	1.0	19-4-3-3	P2Y121618	Same as lower 1.0' above.
	18				End of Boring



SAMPLE/CORE LOG

Boring/Well Y-15 Project/No. AY05311 Page 1 of 1

Site Location GE - Area 2 Scrap Yard Drilling Started 6-20-91 Drilling Completed 6-20-91

Total Depth Drilled 12 feet Hole Diameter 12 inches Type of Sample/Coring Device Split Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller George Helper Dennis

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLEID	Sample/Core Description
From	To				
0	2	1.1	12-11-12-14	P2Y150002	Fill - SAND (80%) brown, fine on top, to black, medium-coarse at base; Gravel (20%) small, subrounded.
2	4	1.0	19-14-14-13	P2Y150204	Fill - SAND (60%) black, stained, coarse to fine; Wood (20%) large pieces; Gravel (20%) small, subrounded; Trace brick.
4	6	1.7	7-13-16-15	P2Y150406	Fill - SAND (90%) black, coarse to medium at top; olive-green, finer at base; Gravel (10%) small, subrounded. Larger gravel at base; track brick at top.
6	8	1.9	7-4-4-3	P2Y150608	SAND (80%) olive-brown, fine to medium; Gravel (20%) schist fragments, small to medium, subrounded.
8	10	1.7	2-4-7-7	P2Y150810	SAND (95%) well-sorted, fine to medium, brown to olive-brown, loose; Gravel (5%) small, subrounded.
10	12	1.8	6-7-6-5	P2Y151012	Same as above with trace organic roots. Bottom of Fill = 8 feet

SAMPLE/CORE LOG

Boring/Well Y-16 Project/No. AY05311 Page 1 of 1

Site Location GE - A2 Scrap Yard Drilling Started 6-14-91 Drilling Completed 6-14-91

Total Depth Drilled 12 feet Hole Diameter 12 inches Type of Sample/Coring Device Split Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method 6 1/4" Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper B. Pike

Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	0.9	6-12-9-9	P2Y160002	Fill - SAND (50%) brown, coarse to fine; Gravel (50%) coarse to fine, subround; poorly sorted, very loose, dry-damp.
2	4	1.0	6-5-6-6	P2Y160204	Fill - SAND (50%) olive brown, coarse to fine; Gravel (30%) coarse to fine, subround; Silt (20%) olive brown; poorly sorted, semi-compacted, damp. (looks natural, like a loose till)
4	6	1.2	6-7-6-5	P2Y160406	Fill - Same as above.
6	8	1.5	4-4-4-7	P2Y160608	Same as above.
8	10	1.2	5-5-6-7	P2Y160810	Upper 0.5' - Same as above. Lower 1.5' - assorted Fill (100%) wood, wire, cellophane/mica-like material, all black stained; moist.
10	12	1.8	8-6-5-5	P2Y161012	Upper 0.5' - Same as lower section above. Lower 1.5' - SAND (100%) olive brown, some stained black, coarse to medium, micaceous, well sorted, wet.
	12				End of Boring
					Water at 12'

SAMPLE/CORE LOG

Boring/Well Y-17 Project/No. AY05311 Page 1 of 2
 Site Location GE - A2 Scrap Yard Drilling Started 6-18-91 Drilling Completed 6-18-91
 Total Depth Drilled 16 feet Hole Diameter 12 inches Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method 6 1/4" Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper B. Pike
 Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Cores Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.8	13-15-11-13	P2Y170002	Fill - SAND (50%) dark brown, fine organic peat-like, soft; Assorted Fill (40%) glass, ceramic, cinders, coal, 1" thick graphite; Gravel (10%) coarse to fine, subround; poorly sorted, damp.
2	4	2.0	8-3-2-3	P2Y170204	Same as above.
4	6	1.8	3-2-3-4	P2Y170406	Same as above (trace light brown silt).
6	8	0.5	5-7-9-10	P2Y170608	Upper 2" - Same as above. Lower - SAND (50%) light brown, fine; Silt (25%) light brown; Gravel (25%) fine, trace medium, subround; poorly sorted, damp-moist.
8	10	0/0.5	5-5-6-6	P2Y170810	Same as upper section above (Fill with trace tile).
10	12	0.4	7-6-8-7	P2Y171012	Fill - Upper 2" - SAND (50%) light brown, fine; Silt (25%) light brown; Gravel (25%) fine, trace medium, subround; poorly sorted, moist. Lower: Fill- SAND (100%) grey, coarse to medium, loose, moist.
12	14	2.0	14-11-7-6	P2Y171214	Fill - Upper 1.2' - Same as upper section above. Natural - Lower 0.8' - SAND (100%) grey-olive brown, some black staining, fine, trace medium, well sorted, trace silt, micaceous, moist. Between - 3" section of Assorted Fill - black, cinder, metal, cellophane material.



SAMPLE/CORE LOG

Boring/Well Y-18 Project/No. AY05311 Page 1 of 1

Site Location GE - A2 Scrap Yard Drilling Started 6-18-91 Drilling Completed 6-18-91

Total Depth Drilled 14 feet Hole Diameter 12 inches Type of Sample/ Coring Device split spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method 6 1/4" Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper B. Pike

Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.5	3-5-7-10	P2Y180002	Fill - SAND (50%) brown-black, coarse to fine; Assorted Fill (35%) glass, coal, cinders, brick; Gravel (15%) coarse to fine, subround; poorly sorted, loose, upper 3" rip rap, damp. (located within railroad rails)
2	4	1.2	6-8-4-6	P2Y180204	Fill - Same as above.
4	6	1.0	9-5-5-6	P2Y180406	Fill - Upper 3" - Same as above. Lower - SAND (100%) orange-brown, coarse to medium, well sorted, loose, trace fine gravel, damp.
6	8	2.0	12-8-7-7	P2Y180608	Fill - Same as lower section above.
8	10	0.6	8-7-6-7	P2Y180810	Fill - Same as above (increased fine sand, trace silt) (moist).
10	12	2.0	5-8-4-4	P2Y181012	Natural - SAND and SILT (100%) olive brown, fine, well sorted, semi-compact, wet.
12	14	2.0	7-4-2-3	P2Y181214	SILT (80%) olive brown; Sand (20%) fine; intermixed, well sorted, smearable, plastic, trace brown clay, wet-saturated.
	14				End of Boring
					Water at 10.0'

SAMPLE/CORE LOG

Boring/Well Y-19 Project/No. AY05311 Page 1 of 1

Site Location GE - A2 Scrap Yard Drilling Started 6-19-91 Drilling Completed 6-19-91

Total Depth Drilled 14 feet Hole Diameter 12 inches Type of Sample/
Coring Device Split Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method 6 1/4" Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper B. Pike

Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.8	6-8-22-26	P2Y190002	Fill - SAND (80%) black stained, coarse to fine; Gravel (20%) coarse to fine, subround to subangular; poorly sorted, damp-moist.
2	4	1.5	6-6-8-10	P2Y190204	Fill - Upper 1.0' - Same as above. Lower - SAND (60%) brown, coarse to medium; Gravel (20%) coarse to fine, subround; Assorted Fill (20%) brick, cinders, fiber material (asbestos?); poorly sorted, moist.
4	6	0.6	6-12-16-10	P2Y190406	Fill - Same as lower section above.
6	8	0.1/ 1.2	6-11-6-4	P2Y190608	Fill - SAND (70%) black stained-brown, coarse to fine; Gravel (25%) medium to fine, subround; Assorted Fill (5%) wood, brick; poorly sorted, moist.
8	10	1.6	3-6-11-24	P2Y190810	Natural - SAND (100%) light brown, coarse to medium, loose, well sorted; Sand-brown, fine, tight; petroleum odor, moist.
10	12	1.6	20-12-6-4	P2Y191012	SAND (40%) grey-brown, coarse to fine, well sorted; Gravel (40%) coarse to fine, subround; Silt (20%) grey-brown; sorted, strong petroleum odor, moist.
12	14	1.8	3-6-10-12	P2Y191214	SAND (80%) grey-olive brown, coarse to medium, well sorted; Gravel (20%) fine, trace medium, subround to subangular, inter- mixed; strong petroleum odor, wet.
	14				End of Boring - Water at 13'

SAMPLE/CORE LOG

Boring/Well Y-20 Project/No. AY05311 Page 1 of 1
 Site Location GE - Area 2 Scrap Yard Drilling Started 6-20-91 Drilling Completed 6-20-91
 Total Depth Drilled 14 feet Hole Diameter 12 inches Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller George Helper Dennis
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLEID	Sample/Core Description
From	To				
0	2	0.3	16-27-21-11	P2Y200002	Fill - SAND (70%) dark-brown to black, fine to medium; Gravel (20%) small, subrounded; Wood (10%) packed in shoe.
2	4	0.1	55-60/R	P2Y200204	Fill - Poor recovery, pushing rock. Sand (70%) black, fine to coarse; Rock fragments (30%) white. Green coated copper wire at 3 feet (grounding wire); trace wood.
4	6	0.3	16-13-16-20	P2Y200406	Fill - SAND (80%) black, coarse to fine; Gravel (10%) small, subrounded; Rock fragments (10%) broken.
6	8	0.6	6-5-8-8	P2Y200608	Fill - Same as above, moist.
8	10	0.2	5-5-5-6	P2Y200810	Poor recovery; Fill - Wood (50%); Sand (30%) black, coarse to fine, moist; Rock fragments (20%).
10	12	0.6	6-3-47-35	P2Y201012	Fill - Wood (30%); Sand (40%) black, moist, coarse to fine; Rock fragments (30%) white, broken and crushed.
12	14	2.0	5-6-6-8	P2Y201214	Fill/Natural Interface approximately 13 feet. Upper foot: Sand (50%) black, coarse to fine; Rock fragments (30%) crushed and broken; Wood (20%); Lower foot: Sand (100%) medium to coarse, well sorted, loose, brown; trace organic roots at base. Bottom of fill = 13 feet

SAMPLE/CORE LOG

Boring/Well Y-21 Project/No. AY05311 Page 1 of 1

Site Location GE - Area 2 Scrap Yard Drilling Started 6-24-91 Drilling Completed 6-24-91

Total Depth Drilled 16 feet Hole Diameter 12 inches Type of Sample/ Coring Device Split Spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller George Helper Butch

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLEID	Sample/Core Description
From	To				
0	2	1.0	4-12-10-9	P2Y210002	Fill - SAND (70%) brown to black, coarse to fine; Gravel (30%) small to large, subangular to subrounded.
2	4	0.6	7-5-4-7	P2Y210204	Fill - SAND (95%) black to olive-green, fine, dry, well-sorted; Gravel (15%) small, subrounded.
4	6	0.5	4-6-7-9	P2Y210406	Fill - SAND (100%) light-brown to black, fine, well-sorted, dry; trace fine gravel.
6	8	1.4	7-7-6-13	P2Y210608	Fill - SAND (90%) light-brown, fine at top to coarser, brown at base; Gravel (10%) small to medium, subangular to subrounded.
8	10	2.0	13-12-11-12	P2Y210810	Fill - SAND (95%) olive-brown, medium to fine, loose; Gravel (5%) small, rounded.
10	12	2.0	5-7-12-12	P2Y211012	Fill - SAND (90%) olive-brown to olive-green, coarse to fine, poorly sorted; Gravel (10%) small, subrounded, loose.
12	14	2.0	12-11-9-7	P2Y211214	Fill - SAND (85%) light-brown, medium, well-sorted at top to olive-brown, coarse to fine, poorly sorted at base, loose; Gravel (15%) small to large, subrounded.
14	16	2.0	9-7-10-9	P2Y211416	Natural - SAND (80%) olive-green, fine, wet with trace organics and orange mottling; Silt (15%) olive-brown, fine, wet; Gravel (5%) small, subrounded. Bottom of fill = 13 feet



SAMPLE/CORE LOG

Boring/Well Y-22 Project/No. AY05311 Page 1 of 1
 Site Location GE - Area 2 Scrap Yard Drilling Started 6-24-91 Drilling Completed 6-24-91
 Total Depth Drilled 10 feet Hole Diameter 12 inches Type of Sample/Coring Device Split Spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller George Helper Butch
 Prepared By A. LaBerge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLEID	Sample/Core Description
From	To				
0	2	0.8	5-8-10-10	P2Y220002	Fill - SAND (80%) red-brown to black, coarse to fine; Coal fragments (10%) black, charred; Gravel (10%) small, subangular; trace glass, brick.
2	4	1.2	7-5-5-4	P2Y220204	Fill - SAND (75%) medium-brown, fine to medium, moist; Gravel (20%) small to large; Coal (5%) black, charred.
4	6	2.0	5-5-6-8	P2Y220406	Fill/Natural Interface: Sand (80%) black, medium on top, to olive-brown, medium to coarse at base, loose; Gravel (20%) small, rounded.
6	8	1.7	6-9-10-11	P2Y220608	SAND (80%) medium-brown, coarse to fine, moist, loose with seams of tight dark brown sand; Gravel (20%) small to medium, rounded.
8	10	1.8	8-14-9-13	P2Y220810	SAND as above to 9 feet (50%); Gravel/Sand mixture (50%) 9-10 feet, medium to large rounded gravel with brown sand matrix. Bottom of fill = 5 feet

SAMPLE/CORE LOG

Boring/Well Y-23 Project/No. AY05311 Page 1 of 1
 Site Location GE - Area 2 Scrap Yard Drilling Started 6-21-91 Drilling Completed 6-21-91
 Total Depth Drilled 14 feet Hole Diameter 12 inches Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller George Helper Butch
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLEID	Sample/Core Description
From	To				
0	2	1.2	9-12-13-25	P2Y230002	Cored through 7" of concrete. Fill - SAND (60%) brown to stained black, coarse to fine; Coal (30%) black, charred; Gravel (10%) small, subrounded.
2	4	0.6	19-24-15-11	P2Y230204	Fill - SAND (80%) brown to stained black, medium-grain; Gravel (15%) small to large, angular to subrounded; Coal (5%) black, charred.
4	6	1.2	7-7-5-8	P2Y230406	Fill - SAND (85%) medium-brown, fine; Coal (5%) black, charred; Gravel (10%) small, subrounded.
6	8	1.4	10-15-14-13	P2Y230608	Fill - SAND (80%) medium-brown, fine to medium; Gravel (20%) small to medium, subangular to subrounded.
8	10	0.9	15-19-21-9	P2Y230810	Fill - Same as above with trace of coal.
10	12	2.0	10-7-5-7	P2Y231012	Fill - SAND (80%) medium-brown to red-brown, coarse to fine; Gravel (20%) small to medium, angular to subrounded.
12	14	2.0	4-5-8-18	P2Y231214	Fill/Natural Interface: SAND (80%) medium-brown, very fine; Natural Silt (10%) at approximately 13 feet with trace organic roots; Gravel (10%) base of spoon, small, subrounded, moist. Bottom of fill = 13 feet



SAMPLE/CORE LOG

Boring/Well Y-24 Project/No. AY05311 Page 1 of 1
 Site Location GE - Area 2 Scrap Yard Drilling Started 6-24-91 Drilling Completed 6-24-91
 Total Depth Drilled 12 feet Hole Diameter 12 inches Type of Sample/
 Coring Device Split Spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller George Helper Butch
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	0.4	6-9-6-8	P2Y240002	Fill - SAND (80%) brown to black, coarse to fine, loose; Gravel (20%) small to large, rounded.
2	4	0.7	9-7-16-19	P2Y240204	Fill - SAND (50%) brown to black, coarse to fine, loose; Gravel (50%) small to large, subrounded.
4	6	0.5	19-11-15-10	P2Y240406	Fill - Same as above.
6	8	1.2	14-9-6-9	P2Y240608	Fill as above to approximately 7 feet (50%); Change to Sand (30%) olive-green, compact, fine, tight, moist with gravel (20%) small, rounded. Orange staining (oxidation in sand).
8	10	1.3	8-8-12-10	P2Y240810	Sand (80%) olive-brown to brown, fine, well-sorted at top, to coarse to fine, poorly sorted at base; Gravel (20%) small to rounded.
10	12	2.0	24-14-11-12	P2Y241012	Sand (100%) brown to gray, coarse to medium, well-sorted, dry, loose. Bottom of fill = 7 feet

SAMPLE/CORE LOG

Boring/Well Y-26 Project/No. AY05311 Page 1 of 1
 Site Location GE - Area 2 Scrap Yard Drilling Started 6-21-91 Drilling Completed 6-21-91
 Total Depth Drilled 10 feet Hole Diameter 12 inches Type of Sample/
 Coring Device Split Spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller George Helper Butch
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	0.3	3-3-5-6	P2Y260002	Fill - SAND (80%) medium-brown, coarse to fine; Gravel (20%) small to medium, subrounded to rounded.
2	4	0.3	1-8-9-10	P2Y260204	Fill - SAND (80%) brown to black, coarse to fine; Gravel (20%) small, subrounded.
4	6	2.0	12-11-9-13	P2Y260406	Fill/Natural Interface: SAND (95%) very fine, medium-brown, dry, compact, well-sorted; Gravel (5%) small, rounded. No roots, appears laminated.
6	8	1.7	5-8-10-10	P2Y260608	Natural Sand (90%) very-fine, medium-brown, tight, compact, well-sorted; Gravel (10%) in thin layers, very small. Sand appears laminated, no roots, dry to moist.
8	10	1.9	5-5-6-10	P2Y260810	Sand (95%) very fine, medium-brown, wet, compact, tight, well-sorted with trace organics, roots; Gravel (5%) very small, rounded. Bottom of Fill = Approximately 6 feet

SAMPLE/CORE LOG

Boring/Well ES2-1 Project/No. AY05302 Page 1 of 2
 Site GE Pittsfield, Area 2 Drilling Started 1-16-91 Drilling Completed 1-17-91
 Location _____
 Total Depth Drilled 35 feet Hole Diameter 10 inches Type of Sample/ Coring Device Split-spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. 985.7 feet Surveyed Estimated Datum USGS 1929
 Drilling Fluid Used Water Drilling Method Hollow-stem auger
 Drilling Contractor Clean Berkshires, Inc. Driller Ed Helper George/Ron
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.0	30-20-16-15	P201B0002	SAND (40%) light brown, medium, dry; Glass shards (20%) black, large fragments; Gravel (40%) fine to coarse, subangular to subrounded.
2	4	1.0	9-6-12-14	P201B0204	SAND (70%) gray-brown, fine to medium, dry; Gravel (20%) medium to coarse, rounded; Glass shards (10%) black.
4	6	1.0	5-6-6-6	P201B0406	SAND (95%) gray-brown, fine, dry; Gravel (5%) fine, angular to subrounded, sorted.
6	8	1.1	7-5-4-4	P201B0608	SAND (90%) gray-brown to brown, fine, slightly moist at bottom; Gravel (10%) fine to medium, subangular.
8	10	1.0	13-5-5-12	P201B0810	SAND (90%) gray-brown to dark-brown, fine to medium, moist; Gravel (5%) fine, subrounded.
10	12	1.2	4-3-2-2	P201B1012	SAND (90%) gray-brown to brown, stained black at base, odor, moist with oil at base; Coal (5%) black and orange; Gravel (5%) medium, angular.
12	14	2.0	4-3-4-9	P201B1214	SAND (95%) stained black, fine to coarse, saturated with oil, odor; Gravel (5%) fine, angular.
14	16	0.5	10-6-8-10	P201B1416	SAND (50%) stained black, fine, saturated with oil; Gravel (50%) stained black, fine to medium, rounded, odor.
16	18	0.3	6-5-5-9	P201B1618	Same as above.

SAMPLE/CORE LOG (Cont.d)

Boring/Well ES2-1

Page 2 of 2

Prepared By A. LaBarge

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	SAMPLE ID	Sample/Core Description
From	To				
18	20	0.8	5-9-11-8	P20181820	GRAVEL (80%) coarse, angular; Sand (20%) stained black, coarse, saturated with oil, odor.
20	22	0.7	8-16-24-8	P20182022	Coarse sand/gravel mixture (80%) top of spoon, saturated with oil, stained black, subrounded, well-sorted; Sand (20%) olive-gray, fine, at base of spoon.
22	24	0.7	7-11-15-14	P20182224	Sand (100%) olive-gray, fine.
24	26	0.6	2-2-3-2	P20182426	Sand/Gravel mixture (100%) olive-gray, coarse, wet.
26	28	0.7	6-7-6-5	P20182628	SAND (70%) olive-gray, fine, wet; Gravel (30%) medium, rounded, well sorted.
28	30	2.0	3-3-2-2	P20182830	Sand (40%) olive-gray, coarse, wet; GRAVEL (60%) medium to coarse, rounded, moderately sorted.
30	32	0.6	3-3-6-9	P20183032	SAND (90%) olive-gray, fine, wet; Gravel (10%) fine, rounded, well sorted.
32	34	2.0	4-3-6-5	P20183234	Same as above, coarser sand at base.
					DTH = 13 feet
					Augered to 35 feet

SAMPLE/CORE LOG

Boring/Well ES2-2 Project/No. AY05302 Page 1 of 2
 Site Location GE Pittsfield, Area 2 Drilling Started 1-14-91 Drilling Completed 1-15-91
 Total Depth Drilled 30 feet Hole Diameter 10 inches Type of Sample/ Coring Device Split-spoon
 Length and Diameter of Coring Device 2' x 2" Split-spoon Sampling Interval 2 feet
 Land-Surface Elev. 980.9 feet Surveyed Estimated Datum USGS 1929
 Drilling Fluid Used Water Drilling Method Hollow-stem auger
 Drilling Contractor Clean Berkshires, Inc. Driller Ed Helper George/Ron
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.8	50-39-34-16	P202B0002	SAND (60%) medium-brown, medium to fine, dry; Gravel (40%) medium to coarse, angular to subrounded.
2	4	2.0	14-9-8-10	P202B0204	SAND (50%) black-brown, coarse, wet; Gravel (50%) stained black coarse, odor.
4	6	1.7	8-7-4-3	P202B0406	GRAVEL (60%) stained black, coarse, odor; Sand (30%) stained black, medium, wet with oil.
6	8	0.7	3-8-19-15	P202B0608	Poor recovery: SAND (60%) as above; Gravel (40%) as above, stained black, odor.
8	10	1.1	6-21-60	P202B0810	SAND (90%) black, coarse, saturated with oil; Gravel (10%) medium, stained black, odor.
10	12	1.2	4-24-20-11	P202B1012	SAND (50%), coarse; Gravel (50%), saturated with oil.
12	14	1.0	5-12-10-10	P202B1214	SAND (50%), coarse; Gravel (50%) coarse, subrounded, saturated with oil, stained black, odor.
14	16	1.0	10-10-2-3	P202B1416	Top 6-inches SAND (50%) coarse; Gravel (50%), as above, saturated with oil, stained black; Bottom 6-inches Sand (100%) fine to medium, gray-brown, wet.
16	18	1.8	3-6-7-9	P202B1618	SAND (100%) gray-brown, fine to medium, wet
18	20	1.1	6-4-3-5	P202B1820	SAND (100%) gray-brown, very fine to fine, odor, wet.
20	22	2.0	4-7-11-11	P202B2022	SAND (100%) gray-brown, very fine to fine, wet.

SAMPLE/CORE LOG

Boring/Well ES2-3 Project/No. AY05302 Page 1 of 2
 Site Location GE Pittsfield - Area 2 Drilling Started 1-21-91 Drilling Completed 1-22-91
 Total Depth Drilled 28 feet Hole Diameter 10 inches Type of Sample/Coring Device Split-spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. 984.7 feet Surveyed Estimated Datum USGS 1929
 Drilling Fluid Used Water Drilling Method Hollow-stem auger
 Drilling Contractor Clean Berkshires, Inc. Driller Ed Helper George/Chris
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLEID	Sample/Core Description
From	To				
0	2	1.0	4-6-5-10	P20380002	SAND (70%) light-brown, medium, dry; Gravel (25%) fine to coarse subrounded to angular; Rock fragments (5%) broken, angular, pink and white sandstone.
2	4	1.2	8-6-4-3	P20380204	SAND (70%) light-brown to red-brown, fine to medium, dry; Gravel (15%) fine to coarse, subrounded to subangular; Coal (15%) black burnt, crushed.
4	6	0.9	3-27-57-41	P20380406	SAND (80%) medium-brown, medium, dry, stained black at base; Metal scraps (10%) stained, rusted; Gravel (10%) fine to coarse rounded to subrounded.
6	8	0.2	60 (R)	P20380608	SAND (90%) stained black, medium; Metal scraps (10%) stained, rusted; Refusal at 6.5 feet, augered to 8 feet; trace coal.
8	10	0.5	28-27-15-11	P20380810	SAND (90%) black to brown, medium, moist; Coal (5%) black, burnt crushed; Gravel (5%) fine to coarse.
10	12	1.2	7-6-5-5	P20381012	SAND (95%) light to medium-brown, coarse to medium, slightly moist; Gravel (5%) fine, subangular.
12	14	2.0	7-10-11-9	P20381214	SAND (95%) brown to gray, coarse to medium, wet; Gravel (5%) fine, subangular
14	16	0.7	4-2-1-2	P20381416	SAND (70%) medium to coarse, gray, wet; Gravel (30%) fine to medium, subrounded.
16	18	0.6	2-1-2-4	P20381618	Same as above, wet.

SAMPLE/CORE LOG

Boring/Well ES2-4 Project/No. AY05302 Page 1 of 2
 Site GE Pittsfield, Area 2 Drilling Started 1-11-91 Drilling Completed 1-11-91
 Location _____
 Total Depth Drilled 22 feet Hole Diameter 10 inches Type of Sample/
 Coring Device Split-spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. 984.3 feet Surveyed Estimated Datum USGS 1929
 Drilling Fluid Used None Drilling Method Hollow-stem auger
 Drilling Contractor Clean Berkshires, Inc. Driller Ed Helper Ron/George
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLEID	Sample/Core Description
From	To				
					Augered through 4" of asphalt.
0	2	1.2	33-18-9-4	P204B0002	SAND (80%) brown to dark-brown, medium, slight black stain; Gravel (20%) fine to coarse, angular to rounded.
2	4	0.2	5-8-9-10	P204B0204	Vermiculite material, COAL (80%) black; Concrete (10%) pink and gray; Sand (10%) brown, medium, dry.
4	6	0	3-2-1-7	P204B0406	No Recovery - Went through pipe or unfilled area.
6	8	0.2	18-14-17-5	P204B0608	GRAVEL (80%) fine to medium angular; Sand (20%) dark-brown, medium, dry.
8	10	1.8	2-3-4-4	P204B0810	SAND (90%) light-brown, fine, moist; Gravel (10%) fine, rounded, trace brick.
10	12	2.0	3-2-3-3	P204B1012	SAND (95%) light-brown to gray-brown, fine, moist; Gravel (5%) fine, rounded.
12	14	2.0	3-2-2-1	P204B1214	SAND (70%) brown to dark-brown, fine to medium, moist; Wood (30%) decayed, wet, odor.
14	16	0.2	2-5-4-7	P204B1416	Poor Recovery: SAND (80%) dark-brown, medium, wet; Organic material (20%) bark, tree branches; Large rock in shoe, odor.
16	18	2.0	5-8-12-8	P204B1618	SAND (80%) brown to black, very coarse, wet; Gravel (20%) fine to coarse, rounded, odor.
18	20	0.2	5-12-11-13	P204B1820	Same as above, wet, odor, rock in shoe.

SAMPLE/CORE LOG

AY05302

Page 1 of 2

Boring/Well _____ Project/No. _____
 Site GE Pittsfield, Area 2 Drilling Started 1-18-91 Drilling Completed 1-18-91
 Location _____

Total Depth Drilled 24 feet Hole Diameter 10 inches Type of Sample/ Coring Device Split-spoon

Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet

Land-Surface Elev. 990.8 feet Surveyed Estimated Datum USGS 1929

Drilling Fluid Used None Drilling Method Hollow-stem auger

Drilling Contractor Clean Berkshires, Inc. Driller Ed Helper George/Chris

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLEID	Sample/Core Description
From	To				
					Augered through 3" asphalt.
0	2	0.3	38-33-15-13	P205B0002	SAND (80%) dark-brown to medium-brown, fine to medium, dry;
					Gravel (20%) fine, subrounded.
2	4	1.2	8-8-7-10	P205B0204	SAND (75%) light-brown to dark-brown, fine to medium, stained
					black at 3 feet, dry; Coal (15%) black; Gravel (10%) medium
					rounded; Trace glass.
4	6	1.3	7-10-5-6	P205B0406	SAND (75%) brown to stained black, medium, slightly moist; Coal
					(10%) black; Gravel (10%) medium, rounded; Rock fragments (5%)
					white, crushed, sandstone.
6	8	1.8	7-7-4-7	P205B0608	SAND (90%) stained black, mottled orange, medium; Gravel (10%)
					fine to medium, subrounded; Trace glass, slightly moist to dry.
8	10	2.0	6-12-11-6	P205B0810	SAND (80%) stained black, medium, dry; 2-inch red coarse sand
					layer at ~ 9 feet; Gravel (15%) fine to coarse, rounded to
					subangular; Brick (5%) broken.
10	12	1.3	6-5-4-5	P205B1012	SAND (95%) stained black, medium, to ~ 11 feet; brown, fine to
					medium from 11 feet, dry to slightly moist; Gravel (5%) fine,
12	14	1.1	3-3-11-11	P205B1214	SAND (85%) brown, fine, moist to wet, change to coarse red-brown
					sand at base of spoon (15%).

SAMPLE/CORE LOG (Cont.d)

Boring/Well ES2-5

Page 2 of 2

Prepared By A. LaBarge

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	SAMPLE ID	Sample/Core Description
From	To				
14	16	0.2	10-9-8-8	P205B1416	SAND (95%) stained-black, medium, moist to wet; Gravel (5%) fine, subrounded, trace crushed brick.
16	18	1.4	6-7-6-7	P205B1618	SAND (95%) medium-brown, fine, wet; Trace very fine gravel, rounded.
18	20	1.0	4-2-8-8	P205B1820	SAND (80%) gray-brown, fine to medium, odor, wet Gravel (20%) coarse, rounded. Very thin fluid type oil.
20	22	1.6	11-8-8-15	P205B2022	Coarse Sand/Gravel Mixture (100%) saturated, oily sheen, odor, poorly-sorted gravel, coarse to fine, rounded.
22	24	1.7	6-6-6-11	P205B2224	Same as above, saturated, oily sheen.
24	26	2.0	12-7-8-8	P205B2426	Coarse Sand/Gravel Mixture (20%) - top 3-inches; SAND (70%) olive-brown, very-fine, wet, oily sheen, odor.
26	28	1.7	7-6-9-7	P205B2628	SAND (100%) olive-brown, very fine, wet.
28	30	1.5	8-13-15-14	P205B2830	Abrupt change to very coarse sand/gravel mixture, subangular to rounded gravel, fine to coarse.



SAMPLE/CORE LOG

Boring/Well ES2-6 Project/No. AY05302 Page 1 of 3

Site GE Pittsfield, Area 2, 64X Drilling 1-10-91 Drilling 1-10-91
 Location _____ Started _____ Completed _____

Total Depth Drilled 50 feet Hole Diameter 12-14 inches Type of Sample/
 Coring Device Split-spoon

Length and Diameter 2' x 2" of Coring Device _____ Sampling Interval 2 feet

Land-Surface Elev. 986.3 feet Surveyed Estimated Datum USGS 1929

Drilling Fluid Used 0-36" None; 36-50' Water Drilling Method 6 1/4" Hollow-stem auger

Drilling Contractor Empire Soils Investigations, Inc. Driller T. Farrell Helper Dave/Stew

Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLEID	Sample/Core Description
From	To				
0	2	2.0	42-45-46-21	P206B0002	FILL; GRAVEL (85%) brown, subangular-subrounded; Sand (15%) brown, coarse to medium, frozen, dry.
2	4	1.2	12-9-9-8	P206B0204	FILL; CINDERS (95%), black to brown, medium to fine, crushed; Sand (5%) brown, coarse to medium; dry to damp.
4	6	1.0	5-5-4-4	P206B0406	FILL; SAND (80%) brown to green, medium; Gravel (15%) medium to fine, subangular, poorly sorted with sand; Cinders (5%) brown to black, medium to fine, crushed, damp.
6	8	0.3	3-3-2-3	P206B0608	Same as above.
8	10	1.2	3-3-3-2	P20260810	FILL; SAND (80%) gray to brown, coarse to medium; Gravel (15%) fine, poorly sorted with sand; trace silt and cinders; bottom 3" sand (5%), coarse to medium, well sorted, loose, damp to moist, slight odor.
10	12	1.8	3-4-4-5	P206B1012	FILL; SAND (95%) grey to brown, coarse to medium; Gravel (5%) medium to fine, poorly sorted with sand, loose; trace fibrous material stained black, trace fine sand, stained black, odor, moist to wet.
12	14	2.0	4-4-6-2	P206B1214	SAND (60%) stained black, coarse to medium, well sorted, loose; Gravel (40%) fine, angular, coated black, trace medium gravel, well sorted, odor, wet.

SAMPLE/CORE LOG (Cont.d)

Boring/Well ES2-6

Page 2 of 3

Prepared By S. Beames

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
14	16	1.5	14-9-4-4	P20681416	GRAVEL (80%) coated black, medium to fine, subangular, subrounded; Sand (10%) gray with some stained black; coarse to fine; Silt (10%) gray with some stained black; poorly sorted, tight, odor, wet.
16	18	1.2	4-5-9-8	P20681618	Same as above.
18	20	1.0	10-11-12-14	P20681820	Same as above.
20	22	1.2	15-15-20-35	P20682022	GRAVEL (80%) coarse to fine, subrounded to subangular; Sand (15%) green to brown, coarse to fine, trace stained black; Silt (5%) green to brown, poorly sorted, clean, wet, saturated.
22	24	1.5	14-10-10-7	P20682224	GRAVEL (80%) same as above; Sand (15%) green, brown and orange with mica; Silt (5%) same as above, poorly sorted, wet, saturated.
24	26	1.2	7-9-12-16	P20682426	Same as above (50%), Sand (50%) brown to gray, coarse to medium, clean, upper section, wet, saturated.
26	28	1.0	9-10-18-18	P20682628	SAND (95%) gray to brown, coarse to medium, well sorted, loose; Bottom section sand and silt (5%) green to gray, fine, trace coarse gravel, tight, wet, saturated.
28	30	1.5	12-17-21-25	P20682830	SAND and GRAVEL (100%) brown to gray, coarse to fine sand, fine gravel, poorly sorted, trace medium gravel - angular, wet.
30	32	2.0	9-17-21-30	P20683032	SAND and GRAVEL (70%), same as above; Sand (30%) coarse to medium, clean, wet.

SAMPLE/CORE LOG (Cont.d)

Boring/Well ES2-6

Page 3 of 3

Prepared By S. Beames

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
32	34	1.5	8-9-10-14	P206B3234	SAND and GRAVEL (100%) coarse to medium, coarser with depth, well sorted, wet to saturated, odor.
34	36	1.3	10-15-17-36	P206B3436	GRAVEL (50%) coarse to fine, subangular to subrounded; Sand (40%) gray to brown, coarse to fine, little stained black; Silt (10%) green to gray, trace stained black.
36	38	1.0	9-9-10-12	P206B3638	SAND (85%) gray to brown, coarse to fine; Gravel (15%) coarse to medium, subangular to subround, poorly sorted, trace clean sands, trace silt, odor, wet to saturated.
38	40	1.0	12-10-10-12	P206B3840	Same as above.
40	42	1.2	8-11-7-7	P206B4042	SAND (50%) gray to brown, medium to fine; Gravel (25%) coarse to fine, subangular to subround; Silt (25%) green to gray to brown, poorly sorted, odor, slight sheen, wet to saturated.
42	44	1.0	9-10-47-52	P206B4244	SILT (50%) green to brown; Sand (25%) brown to gray, medium to fine; Gravel (25%) medium, subangular to subround (Till), free product (brown), odor, wet.
44	46	0.0	100/oil	P206B4446	Till as above - oily sheen on spoon.
46	48	0.8	82-100/0.3	P206B4648	Till; SAND and GRAVEL (80%) brown, coarse to medium; Silt (20%), brown.
48	50	0.8	70-91-58-65	P206B4850	Till; SAND (50%) brown, medium to fine; Gravel (35%) coarse to fine, subangular to subround, Silt (15%) brown, poorly sorted, tight and dense, stained, odor, moist to wet.



SAMPLE/CORE LOG

Boring/Well ES2-7 Project/No. AY05302 Page 1 of 3
 Site Location GE Pittsfield-Area 2 Drilling Started 1-16-91 Drilling Completed 1-17-91
 Total Depth Drilled 43 feet Hole Diameter 12-14 inches Type of Sample/ Coring Device Split-spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Land-Surface Elev. 980.4 feet Surveyed Estimated Datum USGS 1929
 Drilling Fluid Used 0-22' None/22-43' Water Drilling Method 6 1/4" Hollow-stem auger
 Drilling Contractor Empire Soils Investigations, Inc. Driller T. Farrell Helper Dave/Stew
 Prepared By S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLEID	Sample/Core Description
From	To				
0	2	2.0	48-38-22-22	P207B0002	GRAVEL FILL (95%) angular to subround; Sand (5%) brown, coarse to fine, poorly sorted, moist.
2	4	2.0	12-10-9-9	P207B0204	FILL - Rock fragments (90%) grey to black, weathered, schist/phyllite; Sand (10%) brown to gray to black, coarse to fine, poorly sorted, moist.
4	6	2.0	7-7-3-3	P207B0406	FILL - Same as above for 1', then sand, black, stained, medium to fine; green sludge; wood; trace gravel; trace silt, odor, sheen, wet.
6	8	1.6	2-2-2-2	P207B0608	FILL - Same as lower 1' above, odor, wet to saturated.
8	10	1.6	2-2-2-7	P207B0810	FILL - Sand (90%) stained black to brown green, medium to fine - free oil, some almost grease-like, mica plates, wet to saturated.
10	12	1.5	5-8-8-8	P207B1012	SAND (50%) brown, coarse to fine; Gravel (50%) medium to fine, moderately sorted, clean, poorly sorted, some stained black, odor, sheen, wet to saturated.
12	14	1.8	7-8-9-7	P207B1214	SAND (90%) brown-gray, medium to fine, loose; Gravel (10%) fine, trace medium, odor, wet to saturated.
14	16	2.0	3-4-4-6	P207B1416	SAND and Silty CLAY (100%) brown, medium to fine sand, gray, clay, laminated, plastic, wet.

SAMPLE/CORE LOG (Cont.d)

Boring/Well ES2-7

Page 2 of 3

Prepared By S. Beames

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
16	18	2.0	4-3-7-8	P207B1618	Same as above - trace fine gravel, trace laminated coarse sand; 2" clean, brown, coarse to medium sand in base of spoon.
18	20	1.6	2-3-3-5	P207B1820	SAND (90%) brown, coarse to medium; Gravel (20%) medium to fine, poorly sorted, loose; Silt and Clay (10%) gray, trace black stains, odor, slight sheen.
20	22	1.6	3-5-6-8	P207B2022	SAND (100%) brown to gray, coarse to fine, poorly sorted; trace fine gravel, slight sheen, wet to saturated.
22	24	1.0	7-6-8-5	P207B2224	Same as above.
24	26	1.5	7-9-9-9	P207B2426	SAND (90%) brown to gray, coarse to medium, loose, clean; Gravel (10%) fine, subangular to subrounded, well sorted, wet to saturated.
26	28	1.0	17-19-28-36	P207B2628	SAND and GRAVEL (100%) gray to brown, coarse to fine sand, medium to fine gravel, subangular to subrounded, (loose till) outwash sand deposits top 6", wet.
28	30	1.2	18-21-22-19	P207B2830	Same as above.
30	32	1.5	18-24-28-32	P207B3032	SAND (90%) gray to brown, fine; trace silt, breakable; Gravel (10%) medium to fine, wet.
32	34	1.0	14-20-30-13	P207B3234	SAND and GRAVEL (100%) (loose till) brown, coarse to fine sand; medium to fine gravel, poorly sorted, compact, moist to wet.



SAMPLE/CORE LOG

Boring/Well RF-1 Project/No. AY05602 Page 1 of 2

Site Location GE, Pittsfield, ROGEF Drilling Started 10-23-91 Drilling Completed 10-23-91

Total Depth Drilled 18 feet Hole Diameter 10 inches Type of Sample/ Coring Device Split-Spoon

Length and Diameter of Coring Device 2'x2" Sampling Interval 2 feet

Land-Surface Elev. _____ feet Surveyed Estimated Datum _____

Drilling Fluid Used None Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc. Driller E. Cotes Helper G. Rustemeyer

Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	SAMPLEID	Sample/Core Description
From	To				
0	2	1.3	3-5-8-13	PG0180002	SAND (85%) red-brown to grey-brown, fine to coarse, dry, loose; Gravel (15%) fine to coarse; subangular to subrounded.
2	4	1.0	13-15-45-60	PG0180204	SAND (70%) dark brown to black, coarse, dry to moist; Gravel (15%) fine to medium, subangular; Coal (10%) at base of spoon; Brick (5%) red.
4	6	0.3	17-6-3-2	PG0180406	SAND (85%) dark brown to black, medium, dry, loose; Gravel (10%) fine, subangular; Coal (5%) charred; trace brick, wood.
6	8	0.3	5-3-9-9	PG0180608	COAL (100%) scoriaceous coal slag, charred; no soil recovery, no sample submitted; trace wood.
8	10	0.5	4-3-2-3	PG0180810	SAND (95%) grey to olive-brown, coarse, moist; Gravel (5%) fine, subrounded; trace coal, wood.
10	12	0.4	10-11-3-4	PG0181012	SAND (30%) dark brown, medium, moist; Wood (30%) fill; Coal (30%) black to grey; Gravel (10%) fine, subangular.
12	14	0.3	4-5-3-4	PG0181214	SAND (80%) grey-brown to olive, coarse, moist to wet; Wood (10%) fill; Gravel (10%) fine, subangular to subrounded.
14	16	0.8	6-2-1-1	PG0181416	SAND (60%) brown and grey, coarse, wet; Wood (40%) fill. Bottom of fill = 16 ft. Spoon dropped 1.5' in 4 blows, went through wood fill.

SAMPLE/CORE LOG

Boring/Well RF-2 Project/No. AY05602 Page 1 of 1
 Site Location GE, Pittsfield, ROGEF Drilling Started 10-22-91 Drilling Completed 10-22-91
 Total Depth Drilled 18 feet Hole Diameter 10 inches Type of Sample/ Coring Device Split-Spoon
 Length and Diameter of Coring Device 2'x2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used Water Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller E. Cotes Helper G. Rustemeyer
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLEID	Sample/Core Description
From	To				
0	2	1.2	3-7-9-44	PG02B0002	SAND (80%) brown to dark-brown, fine to medium, dry; Gravel (20%) fine to medium, subangular to subrounded; trace fine, grey, silt.
2	4	0.3	45-15-17-14	PG02B0204	SAND (85%) dark brown, medium, dry; Gravel (10%) fine, subangular; Rock fragments (5%) pink granite.
4	6	1.7	4-5-5-6	PG02B0406	SAND (80%) dark brown to black, medium to coarse, moist; Gravel (20%) small, subrounded.
6	8	2.0	5-5-6-5	PG02B0608	SAND (95%) brown-grey to olive-drab, coarse, wet; Gravel (5%) fine, subrounded to rounded.
8	10	2.0	3-4-4-5	PG02B0810	Same as above.
10	12	1.7	5-5-4-4	PG02B1012	Same as above.
12	14	2.0	4-4-6-9	PG02B1214	Same as above; with thin layers of black sand.
14	16	2.0	5-5-3-7	PG02B1416	Same as above.
16	18	2.0	3-3-2-2	PG02B1618	Same as above.
					Bottom of Boring = 18 ft
					Depth to Water = 8 ft

SAMPLE/CORE LOG

Boring/Well RF-3 Project/No. AY05602 Page 1 of 1
 Site Location GE, Pittsfield, ROGEF Drilling Started 10-24-91 Drilling Completed 10-24-91
 Total Depth Drilled 20 feet Hole Diameter 10 inches Type of Sample/ Coring Device Split-Spoon
 Length and Diameter of Coring Device 2'x2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller E. Cotes Helper G. Rustemeyer
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.8	10-21-16-19	PG03B0002	SAND (70%) brown to dark brown, medium, dry; Gravel (20%) fine to medium, subangular to subrounded, Metal and Brick fill (10%).
2	4	1.6	21-21-25-31	PG03B0204	SAND (75%) brown to dark brown, medium, stained black in places, dry; Gravel (20%) fine to medium, subangular to subrounded; Brick (5%) red.
4	6	1.0	11-7-5-6	PG03B0406	SAND (50%) brown to black, medium to coarse, dry to slightly moist; Gravel (10%) fine to medium, subangular to subrounded; Brick (40%) red.
6	8	1.1	4-3-5-2	PG03B0608	SAND (85%) brown, medium, dry to slightly moist; Gravel (15%) fine to medium, subrounded.
8	10	1.0	5-13-7-7	PG03B0810	Same as above, moist to wet.
10	12	9.2	2-4-5-5	PG03B1012	SAND (50%) black, coarse, wet; Gravel (50%) fine to medium, subrounded.
12	14	0.2	8-7-6-6		GRAVEL (100%) coarse, angular, broken; no soil recovery, no sample submitted.
14	16	0.6	9-8-4-5	PG03B1416	SAND (100%) black, coarse, wet.
16	18	0.4	5-2-3-4	PG03B1618	Same as above.
18	20	2.0	2-2-2-3	PG03B1820	CLAY (80%) white, with abundant shell material, broken and whole; Sand (20%) black, coarse, wet.
					Bottom of Hole = 20 ft Depth to Water = 9 ft

SAMPLE/CORE LOG

Boring/Well RF-4 Project/No. AY05602 - ROGEF Page 1 of 2
 Site Location GE Building 41A Drilling Started 5-28-91 Drilling Completed 5-29-91
 Total Depth Drilled 26 feet Hole Diameter 12 inches Type of Sample/ Coring Device Split Spoon
 Length and Diameter of Coring Device 2" x 24" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller G. Rustemeyer Helper B. Pike
 Prepared By P. Holloway/S. Beames Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	SAMPLE ID	Sample/Core Description
From	To				
0	2	1.0	4-3-2-5	PG04B0002	Fill- SAND (40%) brown, medium; SAND (20%) coarse; Gravel (20%) fine to medium, angular to rounded; SAND (20%) fine; dry, poorly sorted.
2	4	0.8	8-7-6-5	PG04B0204	Same as above - dry.
4	6	2.0	3-3-5-6	PG04B0406	Same grading to SAND (100%) brown, fine, dry.
6	8	1.8	5-5-5-6	PG04B0608	Sand (100%) fine, dry.
8	10	1.5	3-4-6-5	PG04B0810	Same as above.
10	12	1.5	3-6-6-5	PG04B1012	SAND (50%) brown, fine to coarse, poorly sorted; Gravel (50%) fine rounded to subangular, poorly sorted; dry.
12	14	2.0	5-5-5-6	PG04B1214	SAME, interlayered with 100% fine Sand; dry layers (.5'-1.0')
14	16	2.0	4-3-20-26	PG04B1416	SAND (70%) brown, coarse to fine, poorly sorted, semi-loose to sorted and very loose; Gravel (25%) fine to medium, trace coarse, rounded to subrounded, poorly sorted; wet, trace saturated; Clay and Silt (5%) upper 5", brown, smearable, moist-wet.
16	18	1.5	4-16-27-13	PG04B1618	Same as above.
18	20	1.5	13-14-23-29	PG04B1820	SAND (70%) as above; Gravel (30%) as above, wet-saturated.
20	22	1.0	21-24-12-18	PG04B2022	SAND (85%) brown, coarse to medium; Gravel (15%) fine, little medium, subrounded; poorly sorted, little loose, moist to wet-saturated.

SAMPLE/CORE LOG

Boring/Well RF-16 Project/No. AY05602 Page 1 of 2
 Site Location GE, Pittsfield ROGEF, Contractors Gate Drilling Started 10-21-91 Drilling Completed 10-21-91
 Total Depth Drilled 22 feet Hole Diameter 10 inches Type of Sample/ Coring Device Split-Spoon
 Length and Diameter of Coring Device 2'x2" Sampling Interval 2 feet
 Land-Surface Elev. _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Clean Berkshires, Inc. Driller E. Cotes Helper G. Rustemeyer
 Prepared By A. LaBarge Hammer Weight 140# Hammer Drop 30 inches

Sample/Core Depth (feet below land surface)		Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	SAMPLEID	Sample/Core Description
From	To				
0	2	1.0	7-8-12-11	PG1680002	SAND (65%) brown to black, medium to coarse, dry, loose; Gravel (20%) fine to medium, subangular; Coal (15%) black and orange, crushed.
2	4	1.0	23-13-6-4	PG1680204	COAL (80%) black, orange, red, crushed to whole, charred; Sand (10%) brown, medium, dry; Gravel (10%) fine to medium, subangular.
4	6	1.0	2-3-2-2	PG1680406	COAL (70%) black, orange, crushed and whole, charred; Sand (20%) grey to brown, fine to medium; dry to moist.
6	8	0.6	2-4-4-6	PG1680608	Same as above, slightly moist, large subangular piece of gravel in shoe.
8	10	0.2	7-2-5-4	PG1680810	Same as above, poor recovery, possibly spooning through void.
10	12	0.9	4-8-6-7	PG1681012	SAND (60%) brown to grey, medium, moist; Gravel (30%) fine, subangular to angular; Brick (10%) red, crushed. Trace coal.
12	14	1.2	7-6-3-5	PG1681214	SAND (80%) brown to black, fine to coarse, wet; Coal (15%) black and red, crushed, charred; Gravel (5%) fine, angular.
14	16	1.2	8-13-13-22	PG1681416	SAND (50%) brown and black, fine on top, to yellow-brown, coarse at base, wet; Gravel (950%) fine to medium, subangular to subrounded. Trace coal.



SAMPLE/CORE LOG

Well RW-1(X) Project No. AY05312 Page 1 of 1
 Site Location GE East Street Area 2 Near River Drilling Started 11/3/92 Drilling Completed 11/3/92
 Total Depth Drilled 25 feet Hole Diameter 4.25 inches Type of Sample/Coring Device Split-Spoon
 Length and Diameter of Coring Device 2' x 2" Sampling Interval 2 feet
 Ground Surface Elevation _____ feet Surveyed Estimated Datum _____
 Drilling Fluid Used None Drilling Method Hollow-Stem Auger
 Drilling Contractor Empire Soils Investigations Driller T. Farrell Helper Chris
 Prepared by A. LaBarge Hammer Weight 140 Hammer Drop 30 inches

Sample/Core Depth (ft below land surface)	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample ID	Sample/Core Description
0	9	-		Auger to 9', commence sampling
9	11	0.9	9-11-4-4	Gravel (85%) medium to coarse, saturated with grey oil sheen, very strong hydrocarbon odor; Sand (15%) medium-grain, grey, saturated, very strong odor.
11	13	0.0	4-3-2-2	No recovery, heavy oil sheen in spoon.
13	15	0.8	4-6-14-12	Gravel (80%) medium to coarse, saturated with grey oil/water, heavy sheen, strong odor; Sand (20%) grey, medium-grain, saturated, sheen, odor.
15	17	1.0	14-12-8-8	Gravel (70%) same as above; Sand (30%) brown medium-grain, to grey fine-grain, saturated, strong odor, heavy sheen.
17	19	0.9	15-15-12-17	Sand (70%) grey to black, fine to medium grain, saturated, heavy sheen. Strong odor; Gravel (30%) medium, subangular.
19	21	0.8	21-20-17-19	Sand (90%) as above; Gravel (10%) as above.
21	23	1.3	10-10-10-8	Same as above with trace green/grey fine silt; trace coarse sand.
23	25	1.8	10-10-14-12	Sand (85%) gray-coarse at top, to brown-fine at base, wet; Gravel (15%) medium, subangular; trace fine silt; weak hydrocarbon odor, light sheen.

PROJECT	East Street Area 2				SHEET	1 OF 2	
CLIENT	General Electric Company - Pittsfield, MA				JOB No.	87386.010	
DRILLING CONTRACTOR	Clean Berkshires, Inc.				MEAS. PT ELEV		
PURPOSE	Hydrogeologic Investigation				GROUND ELEV		
DRILLING METHOD	Hollow Stem Auger	SAMPLE	CORE	CASING	DATUM	MSL	
DRILL RIG TYPE	Mobile B-57	TYPE	SS	NA	HSA	DATE STARTED	09/29/93
GROUNDWATER ELEV.	8.10'	DIA.	2" OD	NA	4 1/4" ID	DATE FINISHED	09/29/93
MEASURING POINT	TIC	WEIGHT	140#			DRILLER	George Rustemeyer
DATE OF MEASUREMENT	10/1/93	FALL	30"			INSPECTOR	Mark A. Williams

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
2	S-1	9 15 13 9	FILL GP		Br cmf G, s (+) cm(+)f S; angular/subangular; mnr std; odor; med dense (FILL)		TIC = Top of Inner Casing Rec = 1.55' Moist HS = 0.2 ppm LNAPL = none
6	S-2	1 5 11 13	FILL		Br bl c(+)mf G; wood debris; mnr std; mnr odor noted; med dn (FILL)		Rec = 0.75' Moist/Wet HS = 0.4 ppm * rk. frag. @ tip of spoon LNAPL = none

PROJECT **East Street Area 2**

SHEET **2** OF **2**

CLIENT **General Electric Company - Pittsfield, MA**

JOB No. **87386.010**

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS		
	S-3	5	SM		Gr cmf S, s(-) mf G; oil stnd, odr ntd; med. dn	11.1	Rec = 1.10' Wet HS = 1.8 ppm LNAPL = very slight sheen observed		
		7						GM	Br Bl cmf G, s (-) mf (+)f S, oil stnd; odr noted; med. dn (GM)
12		10	GM						
		10				GM			
14									
	S-4	3	SM-GM		Gr br mf(+) S, l Cy\$, t mf G; oil stnd; odr noted; ls (SM-GM)		Rec = 1.60' Wet HS = 1.25 ppm LNAPL = slight sheen observed		
16		1						SM-GM	
		2							
		5						SM-GM	
18									
					End of Boring @ 18.0' Monitoring Well Installation (Sch 40 PVC, 0.01' slot screen) 0 - 2' Cement Box 2 - 2.5' Bentonite Pellets 3 - 18' Screen 2.5-18' Sand Pack	18.0			

PROJECT	East Street Area 2				SHEET	1 OF 3	
CLIENT	General Electric Company - Pittsfield, MA				JOB No.	87386.010	
DRILLING CONTRACTOR	Clean Berkshires, Inc.				MEAS. PT ELEV.		
PURPOSE	Hydrogeologic Investigation				GROUND ELEV.		
DRILLING METHOD	Hollow Stem Auger	SAMPLE	CORE	CASING	DATUM	MSL	
DRILL RIG TYPE	Mobile B-57	TYPE	SS	NA	HSA	DATE STARTED	09/28/93
GROUNDWATER ELEV.	22.89'	DIA.	2" OD	NA	4 1/4" ID	DATE FINISHED	09/28/93
MEASURING POINT	TIC	WEIGHT	140#			DRILLER	George Rustemeyer
DATE OF MEASUREMENT	10/1/93	FALL	30"			INSPECTOR	Mark A. Williams

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
							TIC = Top of Inner Casing
2	S-1	6	SM		Lt br gr f S, l (+) \$; ls (SM) (FLOODPLAIN)	1.3	Rec = 1.35' Dry/Moist HS = 0 ppm LNAPL = none
		7	SW		Br cm(+)f S, s (-) mf G, t \$; mtd; cbl chips; subangular; n p; med. dn (SW)		
		11					
		5					
4							
6	S-2	5	GM		Lt gr cmf(+) G, s (+) cmf S; subrounded/subangular; loose	5.3	Rec = 0.90' Dry/Moist HS = 0 ppm LNAPL = none * quartzitic cobble at end of spoon
		9			Br cmf S, l(-)Cy\$, s cmf G; med. dense (SM)		
		5					
		7	SM				
8							

PROJECT	East Street Area 2	SHEET	2 OF 3
CLIENT	General Electric Company - Pittsfield, MA	JOB No.	87386.010

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
12	S-3	15	SP		Br mf S, l mf G; subangular to subrounded; occ. cbls; med dn (SP)		Rec = 1.25' Dry HS = 0 ppm LNAPL = none
		16					
		14					
		15					
16	S-4	6	SP		Gr br cm(+)f S, l mf G; subangular; freq. cbls; n.p.; med dn (SP) <u>Gray brown coarse, medium (+) to fine SAND, little medium to fine Gravel (subangular); frequent cobbles; non-plastic; medium dense</u>		Rec = 1.55' Dry/Moist HS = 0 ppm LNAPL = none
		9					
		12					
		10					
20	S-5	5	SP		Gr br cm(+)f S, l (+) mf G; angular; occ. cbls; n.p.; no odor; Fe stained; ls/med. dn (SP)		Rec = 1.05' Wet HS = 0 ppm LNAPL = none
		6					
		10					
22		19			(OUTWASH)		

PROJECT **East Street Area 2**

SHEET **3** OF **3**

CLIENT **General Electric Company - Pittsfield, MA**

JOB No. **87386.010**

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
24					(OUTWASH/TILL?)		
					End of Boring @ 25.0' Monitoring Well Installation (Sch 40 PVC, 0.01' slot screen) 0 - 2' Concrete/Cement Box 2 - 6' Cement/Bentonite Grout 6 - 8' Bentonite Pellets 10-25' Screen 8-25' Sand Pack	25.0	

PROJECT	East Street Area 2				SHEET	1 OF 2	
CLIENT	General Electric Company - Pittsfield, MA				JOB No.	87386.010	
DRILLING CONTRACTOR	Clean Berkshires, Inc.				MEAS. PT ELEV.		
PURPOSE	Hydrogeologic Investigation				GROUND ELEV.		
DRILLING METHOD	Hollow Stem Auger	SAMPLE	CORE	CASING	DATUM	MSL	
DRILL RIG TYPE	Mobile B-57	TYPE	SS	NA	HSA	DATE STARTED	09/28/93
GROUNDWATER ELEV.	14.72'	DIA.	2" OD	NA	4 1/4" ID	DATE FINISHED	09/28/93
MEASURING POINT	TIC	WEIGHT	140#			DRILLER	George Rustemeyer
DATE OF MEASUREMENT	10/1/93	FALL	30"			INSPECTOR	Mark A. Williams

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
							TIC = Top of Inner Casing
2	S-1	6	FILL		Br cmf (+) S, s cmf G; asph chips; med. dense		Rec = 1.15' Dry HS = 0 ppm LNAPL = none
		8	SW				
		8					
		6	GW		Br dk br cmf G, l (+) cmf s; cbls/rk frg; mnr stnd; loose	3.0	
4							
6	S-2	3	FILL		Dk br cm(+)+f G, l mf S; cbls; slag @ end of spoon; med. dense		Rec = 0.75' Moist HS = 0 ppm LNAPL = none
		7	GW		(FILL)		
		11					
		11					
8							

PROJECT **East Street Area 2**



SHEET **2** OF **2**

CLIENT **General Electric Company - Pittsfield, MA**

JOB No. **87386.010**

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
12	S-3	5	FILL GW		Dk br/Dk br cmf S, l mf G; coal slag; wood; debris; ls (FILL)		Rec = 0.85' Moist/Wet HS = 0 ppm LNAPL = none
		7					
		9					
		9					
INFERRED CONTACT						13.0	
16	S-4	4	SM		Br f S, l Cy\$; wet; loose (FLOODPLAIN)		Rec = 1.15' Wet HS = 0.1 ppm LNAPL = none
		2					
		4					
		5	SP		Dk Gr/Bl mf S, l (-) mf G; stnd; med. dense	16.5	
		4					
18	S-5	7	SP		Dk Gr Bl cmf S, t mf G; stnd; oil odor; med. dense (SP)		Rec = 1.35' Wet HS = 0.2 ppm LNAPL = slight
		5					
		4					
20		5			(OUTWASH)		
		End of Boring @ 20.0' Monitoring Well Installation (Sch 40 PVC, 0.01' slot screen) 0 - 2' Concrete/Cement Box 2 - 6' Cement/Bentonite Grout 6 - 8' Bentonite Pellets 10-20' Screen 8-20' Sand Pack					20.0

PROJECT	East Street Area 2				SHEET 1 OF 2
CLIENT	General Electric Company - Pittsfield, MA				JOB No 87386.010
DRILLING CONTRACTOR	Clean Berkshires, Inc.				MEAS. PT ELEV.
PURPOSE	Hydrogeologic Investigation				GROUND ELEV.
DRILLING METHOD	Hollow Stem Auger	SAMPLE	CORE	CASING	DATUM MSL
DRILL RIG TYPE	Mobile B-57	TYPE	SS	NA	HSA
GROUNDWATER ELEV.	15.90'	DIA.	2" OD	NA	4 1/4" ID
MEASURING POINT	TIC	WEIGHT	140#		DRILLER George Rustemeyer
DATE OF MEASUREMENT	10/1/93	FALL	30"		INSPECTOR Mark A. Williams

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6'	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
							TIC = Top of Inner Casing
2	S-1	9	FILL		Br cmf S, l (-) Cy\$, s cmf G; mnr stnd; no odor noted; med. dense (FILL)	Rec = 1.15' Damp HS = 0 ppm LNAPL = none	
		10					
		8					
		7					
4							
6	S-2	6	FILL SP		Lt br cm(+)f S; well sorted; stnd rd br & gr bl; mnr odor; med. dense (FILL-SP) <u>Light Brown coarse, medium (+) to fine Sand; well sorted; stained red-brown and gray-black; minor odor noted; medium dense (FILL-SP)</u>	Rec = 0.85' Moist HS = 0 ppm LNAPL = none	
		8					
		9					
		9					
8							

PROJECT **East Street Area 2**

SHEET **2 OF 2**

CLIENT **General Electric Company - Pittsfield, MA**

JOB No. **87386.010**

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
12	S-3	5 1 1 1	FILL		Same; freq cbls		Rec = 0.75' Wet/Moist HS = 0.8 ppm LNAPL = none
16	S-4	2 2 3 2	FILL		Gr mf S, Cy\$; stnd bl; ls; oil/odor noted from 16.15' to 17.0'(FILL). <u>Gray medium to fine SAND, trace Clayey Silt; stained black; loose; oil-oily odor noted from 16.15 to 17.0' BGS (FILL)</u>		Rec = 1.85' Wet HS = 4.5 ppm LNAPL = sheen/residue noted
18	S-5	1 1 13	FILL SM		Gr mf S, l (-) Cy\$; wd debris; oil stnd; odor noted; ls/v. dense		Rec = 1.95' Wet HS = 8.5 ppm LNAPL = sheen observed cbl @ end of spoon
20		50	(FILL)				
					End of Boring @ 20.0' Monitoring Well Installation (Sch 40 PVC, 0.01" slot screen) 0 - 2' Concrete/Cement Box 2 - 6' Cement/Bentonite Grout 6 - 8' Bentonite Pellets 10-20' Screen 8 -20' Sand Pack	20.0	

PROJECT	East Street Area 2				SHEET 1 OF 2	
CLIENT	General Electric Company - Pittsfield, MA				JOB No 87386.010	
DRILLING CONTRACTOR	Clean Berkshires, Inc.				MEAS. PT ELEV.	
PURPOSE	Hydrogeologic Investigation				GROUND ELEV	
DRILLING METHOD	Hollow Stem Auger	SAMPLE	CORE	CASING	DATUM MSL	
DRILL RIG TYPE	Mobile B-57	TYPE	SS	NA	HSA	DATE STARTED 09/30/93
GROUNDWATER ELEV.	12.52'	DIA.	2" OD	NA	4 1/4" ID	DATE FINISHED 09/30/93
MEASURING POINT	TIC	WEIGHT	140#			DRILLER George Rustemeyer
DATE OF MEASUREMENT	10/1/93	FALL	30"			INSPECTOR Mark A. Williams

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV.	REMARKS
						DEPTH	
							TIC = Top of Inner Casing
2	S-1	8	SP		Br cmf S, l mf G; occ. rk. frag; med. dense (SW)		Rec = 0.95' Dry HS = 0 ppm LNAPL = none
		7					
		7					
4		6					
6	S-2	2	SP		Lt Br/Br cm(+) S; WS; loose (SP)		Rec = 1.5' Dry HS = 0 ppm LNAPL = none
		4					
		4					
		5					
8							

PROJECT **East Street Area 2**

SHEET **2** OF **2**

CLIENT **General Electric Company - Pittsfield, MA**

JOB No **87386.010**

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
11.55	S-3	5	SP		Br cm(+) S; WS; Fe std in areas; med. dense/loose (SP)		Rec = 1.55' Moist/wet HS = 0 ppm LNAPL = none
12.00		4					
12.50		6					
13.00		5					
14.00							
15.00							
16.00	S-4	6	SP		Br Gr cm (+) S; WS; med. dense <u>Brown-Gray coarse, medium (+) SAND; well sorted; medium dense (SP)</u>		Rec = 1.8' Wet HS = 0 ppm LNAPL = none
16.50		8					
17.00		8					
17.50		4					
18.00							
19.00							
20.00							
20.0					End of Boring @ 20.0' Monitoring Well Installation (Sch 40 PVC, 0.01" Slot Screen) 0 - 2' Cement/Concrete Box 2 - 4' Bentonite Pellets 5 - 20' Screen 4 - 20' Sand Pack	20.0	

PROJECT	East Street Area 2				SHEET	1 OF 2	
CLIENT	General Electric Company - Pittsfield, MA				JOB No	87386.010	
DRILLING CONTRACTOR	Clean Berkshires, Inc.				MEAS PT ELEV.		
PURPOSE	Hydrogeologic Investigation				GROUND ELEV.		
DRILLING METHOD	Hollow Stem Auger	SAMPLE	CORE	CASING	DATUM	MSL	
DRILL RIG TYPE	Mobile B-57	TYPE	SS	NA	HSA	DATE STARTED	09/29/93
GROUNDWATER ELEV.	12.55'	DIA.	2" OD	NA	4 1/4" ID	DATE FINISHED	09/29/93
MEASURING POINT	TIC	WEIGHT	140#			DRILLER	George Rustemeyer
DATE OF MEASUREMENT	10/1/93	FALL	30"			INSPECTOR	Mark A. Williams



DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
2	S-1	9	FILL SW		Br mf(+)f S, l (+) mf G; freq. cbis noted; med. dense (SW)		TIC = Top of Inner Casing Rec = 1.45' Dry/Moist HS = 0 ppm LNAPL = none
		13					
		11					
		14					
6	S-2	4	FILL SW		Br mf S, t Cy\$, l(-) mf G; ls (FILL-SW) <u>Brown medium to fine SAND, trace Clayey Silt, little (-) medium to fine Gravel; loose (FILL-SW)</u>		Rec = 1.55' Moist HS = 0 ppm LNAPL = none
		4					
		1					
		4					
8					INFERRED CONTACT		
						8.5	
					(FLOODPLAIN DEPOSITS)		

PROJECT **East Street Area 2**

SHEET **2 OF 2**

CLIENT **General Electric Company - Pittsfield, MA**

JOB No. **87386.010**

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
12	S-3	2	SP		Br mf S; iron-stained between 10.55' and 10.85'; v ls (SP)	11.7	Rec = 1.87' Wet HS = 0 ppm LNAPL = none Moist/wet between 11.0'-12.0' BGS
		2					
		3					
		2					
16	S-4	5	SP		Br mf(+) S; well-sorted; v wet; ls (SP) <u>Brown medium to fine (+) SAND; well-sorted; very wet; loose (SP)</u>	11.7	Rec = 1.80' V. Wet HS = 0 ppm LNAPL = none
		4					
		4					
		3					
20					(FLOODPLAIN DEPOSITS)		
20					End of Boring @ 20.0' Monitoring Well Installation Sch 40 PVC; 0.01" slot screen) 0 - 2' Concrete/Cement Box 2 - 3' Bentonite Pellets 4.45-19.45' Screen 3 -19.45' Sand Pack	20.0	

PROJECT	East Street Area 2				SHEET	1 OF 3	
CLIENT	General Electric Company - Pittsfield, MA				JOB No.	87386.010	
DRILLING CONTRACTOR	Clean Berkshires, Inc.				MEAS. PT ELEV.		
PURPOSE	Hydrogeologic Investigation				GROUND ELEV.		
DRILLING METHOD	Hollow Stem Auger	SAMPLE	CORE	CASING	DATUM	MSL	
DRILL RIG TYPE	Mobile B-57	TYPE	SS	NA	HSA	DATE STARTED	09/30/93
GROUNDWATER ELEV.	18.05'	DIA.	2" OD	NA	4 1/4" ID	DATE FINISHED	09/30/93
MEASURING POINT	TIC	WEIGHT	140#			DRILLER	George Rustemeyer
DATE OF MEASUREMENT	10/1/93	FALL	30"			INSPECTOR	Mark A. Williams

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
2	S-1	5 6 6 8	FILL		Br f S, s \$; occ. Cy\$; med. dn (FILL)		TIC = Top of Inner Casing Rec = 1.25' Dry/Damp HS = 0.0 ppm LNAPL = none
6	S-2	9 9 10 10	FILL		Dk br bl mf (+) S, s (-) mf G; stnd; occ. tar chips, cbls and misc rbl noted @ 6.5' - 7.0'; med. dn (FILL) <u>Dark brown-black medium to fine (+) SAND, some (-) medium to fine Gravel; stained; occasional tar chips, cobbles and miscellaneous rubble noted at 6.5 - 7.0'; medium dense.</u> (FILL)		Rec = 1.55' Damp HS = 0.02 ppm LNAPL = none
8							

PROJECT **East Street Area 2**

SHEET **2** OF **3**

CLIENT **General Electric Company - Pittsfield, MA**

JOB No. **87386.010**

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
12	S-3	3 2 2 2	FILL		Dk bl cmf G, l (-) mf S; freq. cbls.; freq. rk frag; v. stained w oil; odor noted; coal tar slag, v. ls (FILL)		Rec = 0.85' Wet/Moist HS = 1.2 ppm LNAPL = slight sheen observed
16	S-4	2 4 6 8	FILL		Bl cmf (+) S, t \$; stained; odor noted; occ. rts between 15.5' and 16.5'; ls/med. dn (FILL)		oil-stained rods observed at approx. 13.5' BGS REC = 1.65' Wet HS = 0.8 ppm LNAPL = sheen observed frequent globules
20	S-5	2 3 3 6	FILL		Dk gr mf S, s cmf G; stained; odor noted; freq. flaky metal pieces; ls. <u>Dark gray medium to fine SAND, some coarse to fine Gravel; stained; odor noted; frequent flaky metal pieces; loose</u> (FILL)		Rec = 0.75' Wet HS = 0.4 ppm LNAPL = sheen observed

PROJECT **East Street Area 2**

SHEET **3** OF **3**

CLIENT **General Electric Company - Pittsfield, MA**

JOB No. **87386.010**

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
24					(FILL)		
					End of Boring @ 25.0' Monitoring Well Installation (Sch 40 PVC, 0.01" slot screen) 0-2' Cement box 2-6' Cement/bentonite grout 6-8' Bentonite pellets 10-25' Screen 8-25' Sand pack	25.0	

PROJECT **East Street Area 2**

SHEET **2 OF 2**

CLIENT **General Electric Company - Pittsfield, MA**

JOB No. **87386.010**

DEPTH FT.	INTERVAL RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
12	S-3	8	GP		Ol gr cmf G; l (+) c (+) mf S; med. dense (GP)		Rec = 0.93' Moist HS = 0.1 ppm LNAPL = none
		10					
		9					
		8					
16	S-4	6	GP		Ol gr cm(+)f G, l cm S; stnd; odor; med. dense <u>Olive-green coarse, medium (+) to fine GRAVEL, little coarse to medium Sand; stained; odor noted; medium dense (GP)</u>		Rec = 1.10' Wet HS = 0.4 ppm LNAPL = none
		6					
		8					
		4					
20					End of Boring @ 22.0' Monitoring Well Installation (Sch 40 PVC, 0.01" slot screen) 0 - 2' Concrete/Cement Box 2 - 3' Bentonite Pellets 5 - 20' Screen 3 - 20' Sand Pack	20.0	

PROJECT	East Street Area 2				SHEET	1 OF 3	
CLIENT	General Electric Company - Pittsfield, MA				JOB No	87386.010	
DRILLING CONTRACTOR	Empire Soils Investigations, Inc.				MEAS. PT ELEV.		
PURPOSE	Recovery Well Installation				GROUND ELEV.		
DRILLING METHOD	Hollow Stem Auger	SAMPLE	CORE	CASING	DATUM	MSL	
DRILL RIG TYPE	Failing F-10	TYPE	SS	NA	HSA	DATE STARTED	10/27/93
GROUNDWATER ELEV.	14.63'	DIA.	2" OD	NA	6 5/8" ID	DATE FINISHED	10/28/93
MEASURING POINT	TIC	WEIGHT	300#			DRILLER	Ed Cole
DATE OF MEASUREMENT	10/28/93	FALL	30"			INSPECTOR	Mark A. Williams

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV.	REMARKS
						DEPTH	
					Augered down to 5.0' BGS		TIC = Top of Inner Casing
2							
4							
5.0						5.0	
6	S-1	4	SW-SP		Br lt br cm(+) S, l (-) mf G; freq cbls; Fe std; no odor; ls/med. dense (SW-SP) Brown light brown coarse to medium (+) SAND, little (-) medium to fine Gravel; frequent cobbles; iron stained; no odor; loose/medium dense		Rec = 1.05' Dry HS = 0.2 ppm LNAPL = none
		5					
		5					
		9					
8	S-2	4	SW-SP		Br br gr c(+)m S, t mf G; freq qtz cbl chps; med. dense (SW-SP)		Rec = 1.10' Dry HS = 0.3 ppm LNAPL = none
		8					
		8					
		7					
		3			Br cm S, l (+) mf G; occ. cbl pcs; ls (SW-SP)		Rec = 1.25' Dry/Moist HS = 0.6 ppm
		3			(OUTWASH)		

PROJECT **East Street Area 2**

SHEET **2 OF 3**

CLIENT **General Electric Company - Pittsfield, MA**

JOB No. **87386.010**

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6'	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
	S-3	4	SW-SP				PCB Soil Sample Collected @ 10' BGS LNAPL = none
		5					
		6					Rec = 1.35' Dry
12	S-4	8	GP		Br gr cm(+)f G, s (-) cmf S; mtd; freq. cbl chips; ls (GP) <u>Brown-gray coarse medium (+) to fine GRAVEL, some (-) coarse to fine Sand; mottled; frequent cobble chips; loose (GP) (OUTWASH)</u>		HS = 1.8 ppm HS = 1.6 ppm (tip of SS) LNAPL = none
		9					
		9					
14			GP		Br cmf G, s (-) c(+)m S; freq. qtz. cbls; rk frag. noted; ls (GP)		Undisturbed Sample in two 2.5' sections Section 1 (13'-15.5') Moist/wet @ bottom of sample Section 2 (15.5'-18') 100% recovery 0.8' oil stained soils, between 16.7 -17.5' BGS
			SW-SP				
16							
18					Dk Gr cmf G, s (+) c(+)m S; occ. cbls; oil odr; stnd	17.5	
		3					Rec = 1.35' Wet
	S-5	5	SM		Dk br/dk gr mf S, s (+) S; mnr oil odr; mnr stnd; ls at 18.2' to 18.5'...Dk gr mf G, s (-) c(+)m S, occl cbls; oil odor, sl stnd; ls/med. dense (SM)		HS = 2.4 ppm LNAPL = slight sheen observed
		6					
		8					
20		1					
	S-6	2	SP		Dk gr c(+) m S, s(+) mf G; occ cbl chips; minor oil odr; mnr stnd; ls (SP)		Rec = 1.1' Wet
		3					HS = 3.2 ppm LNAPL = slight PCB soil sample collected at 20' BGS
		4					
22							

PROJECT East Street Area 2

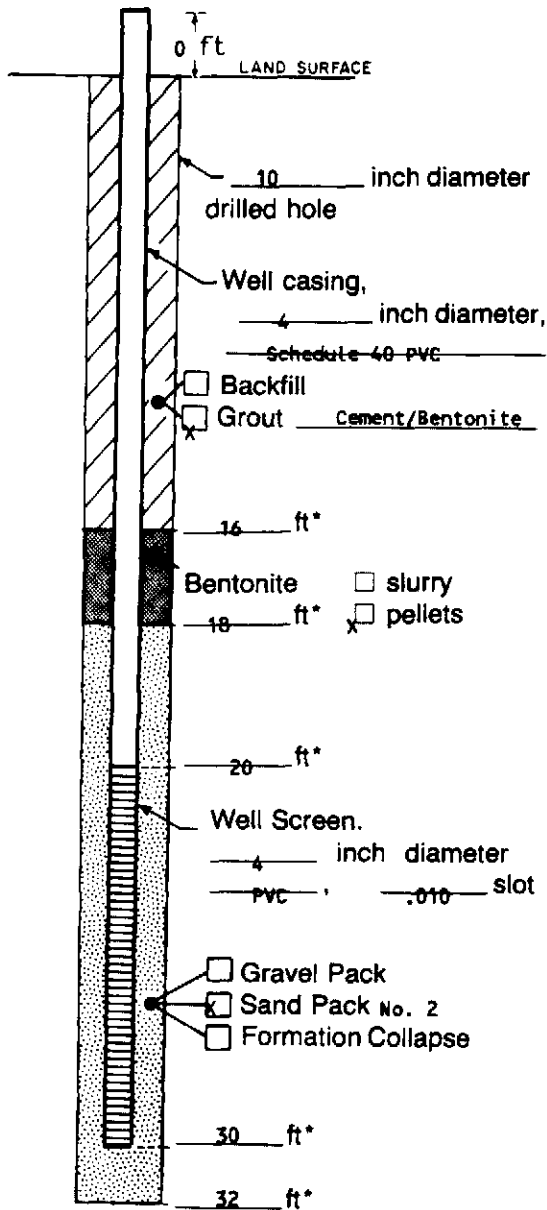
SHEET 3 OF 3

CLIENT General Electric Company - Pittsfield, MA

JOB No. 87386.010

DEPTH FT.	INTERVAL, RECOVERY, SAMPLE NUMBER	BLOWS ON SAMPLE SPOON PER 6"	UNIFIED CLASSIFICATION	GRAPHIC LOG	GEOLOGIC DESCRIPTION	ELEV. DEPTH	REMARKS
24	S-7	WOR WOR 2 4	GW-GP		Dk gr mf G, l cm S, occ. cbl chips; v ls; oil odor/std (GW-GP) (OUTWASH)		Rec = 1.0' Wet HS = 2.1 ppm LNAPL = slight, minor sheen observed PCB soil sample collected at 24' BGS
					End of Boring @ 25.0' Recovery Well Installation (Stainless Steel, 60 slot screen) 0 - 2' Concrete/Cement Box 2 - 6' Cement/Bentonite Grout 6 - 8' Bentonite Pellets 9 - 24' Screen 8 - 25' Sand Pack	25.0	

WELL CONSTRUCTION LOG
(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project AY05302 Well ES2-2

Town/City Pittsfield

County Berkshire State MA

Permit No. _____

Land-Surface Elevation _____

and Datum 980.9 feet Surveyed

USGS 1929 Estimated

Installation Date(s) 1-14-91 through 1-15-91

Drilling Method Hollow-stem auger

Drilling Contractor Clean Berkshires, Inc.

Drilling Fluid Water

Development Technique(s) and Date(s)

Centrifugal Pump 1-22-91

Fluid Loss During Drilling None gallons

Water Removed During Development 150 gallons

Static Depth to Water 7.57 feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date 1-22-91

Specific Capacity _____ gpm/ft

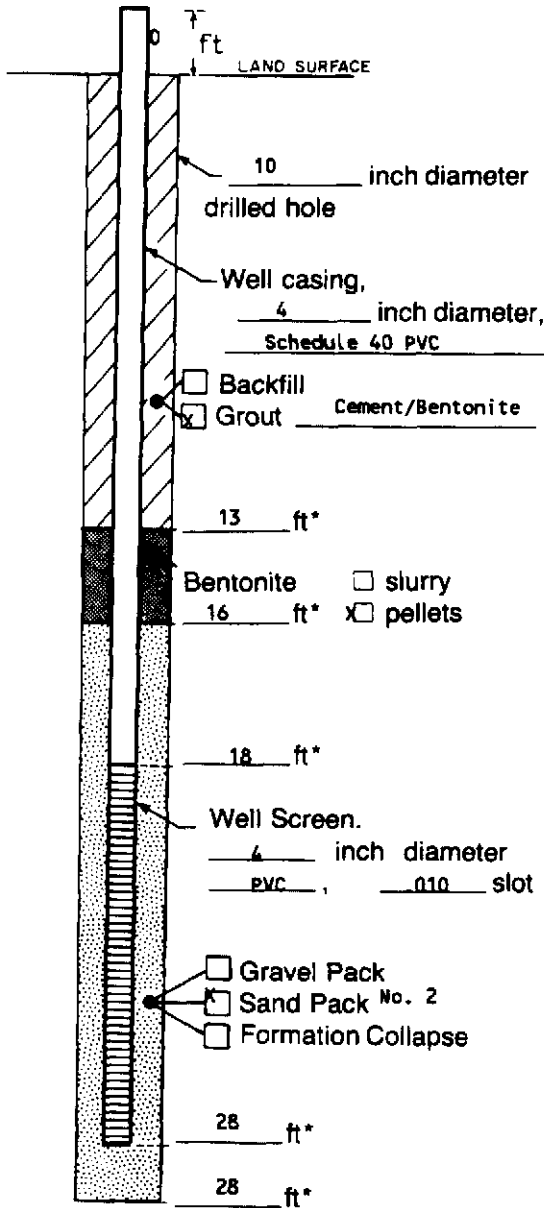
Well Purpose _____

Intermediate groundwater monitoring well

Remarks Recovery - 2 min.

Prepared by A. LaBerge

WELL CONSTRUCTION LOG
(UNCONSOLIDATED)



Project AY05302 Well ES2-3

Town/City Pittsfield

County Berkshire State MA

Permit No. _____

Land-Surface Elevation

and Datum 984.7 feet Surveyed
USGS 1929 Estimated

Installation Date(s) 1-21-91 through 1-22-91

Drilling Method Hollow-stem auger

Drilling Contractor Clean Berkshires, Inc.

Drilling Fluid Water

Development Technique(s) and Date(s)

Centrifugal Pump 1-25-91

Centrifugal Pump 1-28-91

Fluid Loss During Drilling None gallons

Water Removed During Development 105 gallons

Static Depth to Water 11.83 feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date 1-25-91

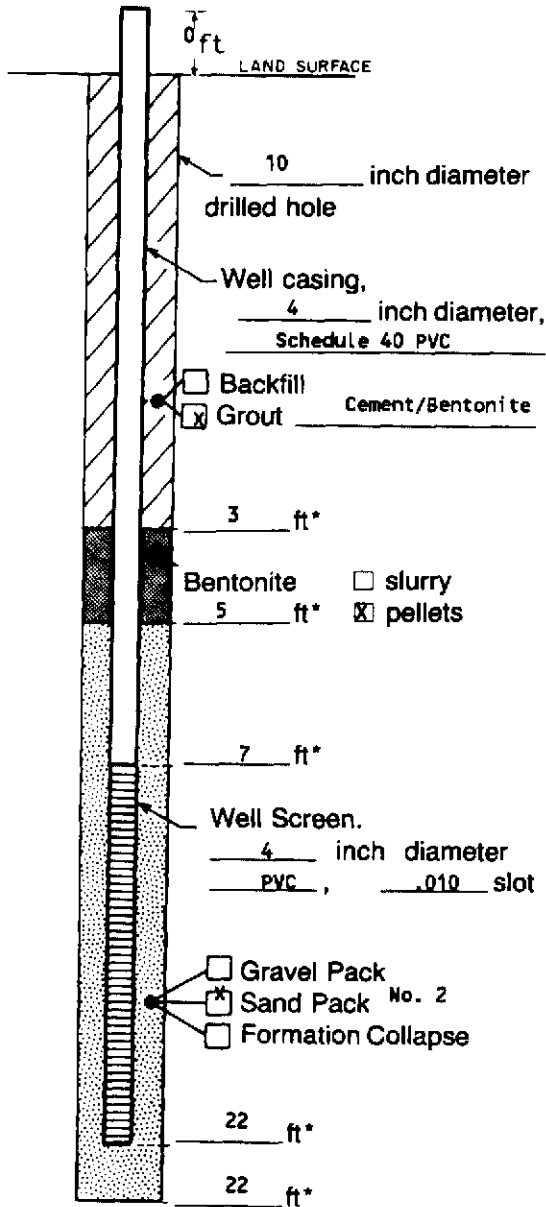
Specific Capacity _____ gpm/ft

Well Purpose Intermediate groundwater monitoring well

Remarks _____

Prepared by A. LaBarge

WELL CONSTRUCTION LOG
(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project AY05302 Well ES2-4
Town/City Pittsfield
County Berkshire State MA
Permit No. _____
Land-Surface Elevation
and Datum 984.3 feet Surveyed
USGS 1929 Estimated
Installation Date(s) 1-11-91
Drilling Method Hollow-stem auger
Drilling Contractor Clean Berkshires, Inc.
Drilling Fluid None

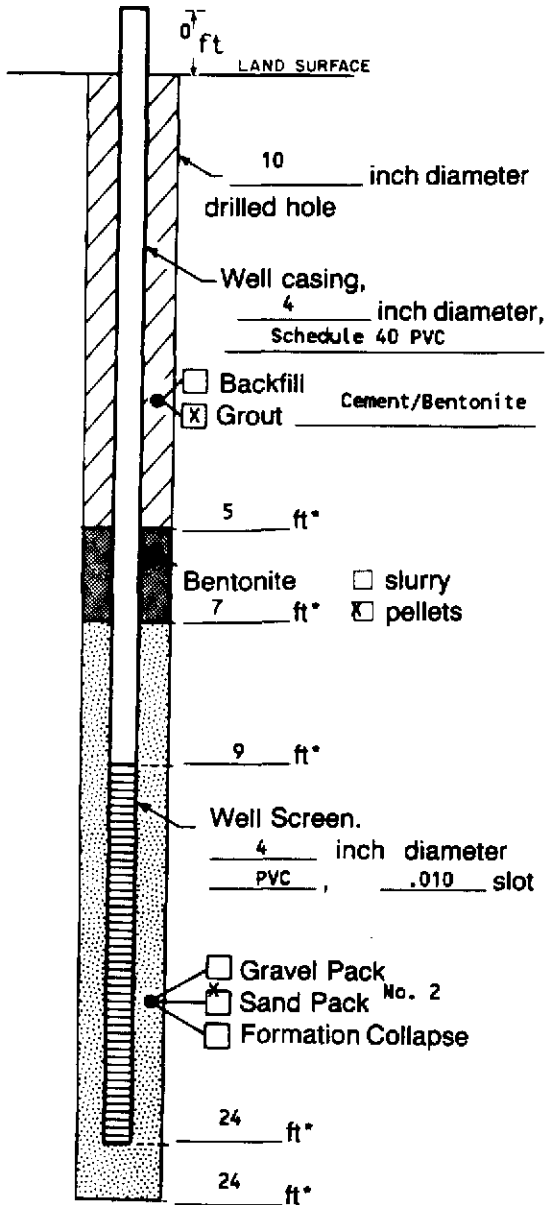
Development Technique(s) and Date(s)
Centrifugal Pump 1-21-91
Centrifugal Pump 1-22-91

Fluid Loss During Drilling None gallons
Water Removed During Development 150 gallons
Static Depth to Water 11.1 feet below M.P.
Pumping Depth to Water _____ feet below M.P.
Pumping Duration _____ hours
Yield _____ gpm Date 1-21-91
Specific Capacity _____ gpm/ft
Well Purpose _____
Shallow groundwater monitoring well.

Remarks
90% recovery - 10 min.

Prepared by A. LaBarge

WELL CONSTRUCTION LOG
(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project AY05302 Well ES2-5

Town/City Pittsfield

County Berkshire State MA

Permit No. _____

Land-Surface Elevation
and Datum 990.8 feet Surveyed
USGS 1929 Estimated

Installation Date(s) 1-18-91

Drilling Method Hollow-stem auger

Drilling Contractor Clean Berkshires, Inc.

Drilling Fluid None

Development Technique(s) and Date(s)
Centrifugal Pump 1-22-91

Fluid Loss During Drilling None gallons

Water Removed During Development 135 gallons

Static Depth to Water 17.03 feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration _____ hours

Yield _____ gpm Date 1-22-91

Specific Capacity _____ gpm/ft

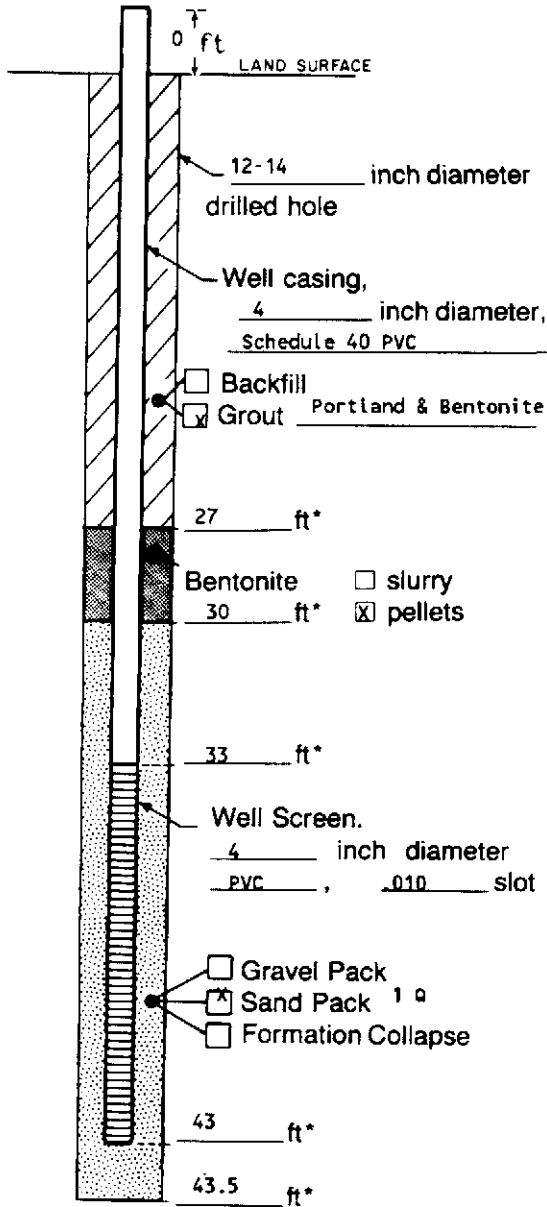
Well Purpose _____
Shallow groundwater monitoring well.

Remarks _____

100% recovery - 8 min.

Prepared by A. LaBarge

WELL CONSTRUCTION LOG
(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

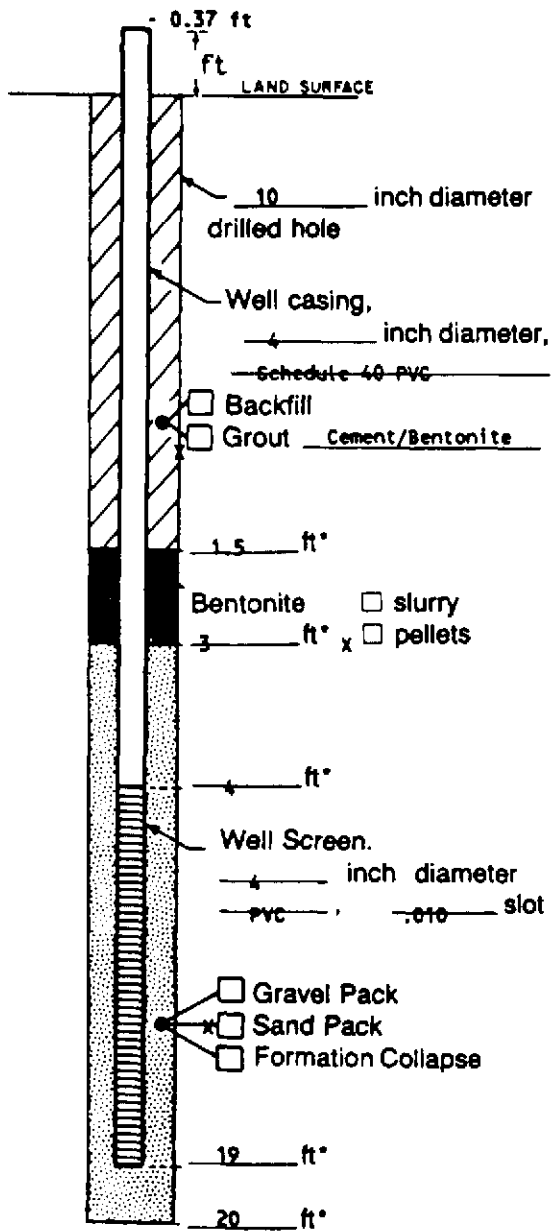
*Depth Below Land Surface

Project AY05302 Well ES2-7
 Town/City Pittsfield
 County Berkshire State MA
 Permit No. _____
 Land-Surface Elevation _____
 and Datum 980.4 feet Surveyed
 USGS 1929 Estimated
 Installation Date(s) 1-16-91 through 1-17-91
 Drilling Method Hollow-stem auger
 Drilling Contractor Empire Soils Investigations, Inc.
 Drilling Fluid 0-22' None/22-43' Water
 Development Technique(s) and Date(s)
Centrifugal Pump 1-23-91
 Fluid Loss During Drilling None gallons
 Water Removed During Development 200 gallons
 Static Depth to Water 7.05 feet below M.P.
 Pumping Depth to Water _____ feet below M.P.
 Pumping Duration _____ hours
 Yield _____ gpm Date 1-23-91
 Specific Capacity _____ gpm/ft
 Well Purpose Deep groundwater monitoring well (top of till)

Remarks
Very fast recovery

Prepared by A. LaBarge

WELL CONSTRUCTION LOG
(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project AY05602 Well RF-1

Town/City Pittsfield

County Berkshire State MA

Permit No. _____

Land-Surface Elevation
and Datum 884.79 feet Surveyed
NGVD 1929 Estimated

Installation Date(s) 10-23-91

Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc.

Drilling Fluid _____

Development Technique(s) and Date(s)

Bladder Pump, 10-28-91

Fluid Loss During Drilling 0 gallons

Water Removed During Development 55 gallons

Static Depth to Water 11.77 feet below M.P.

Pumping Depth to Water 18.0 feet below M.P.

Pumping Duration 0.25 hours

Yield 4 gpm Date 0/28/91

Specific Capacity _____ gpm/ft

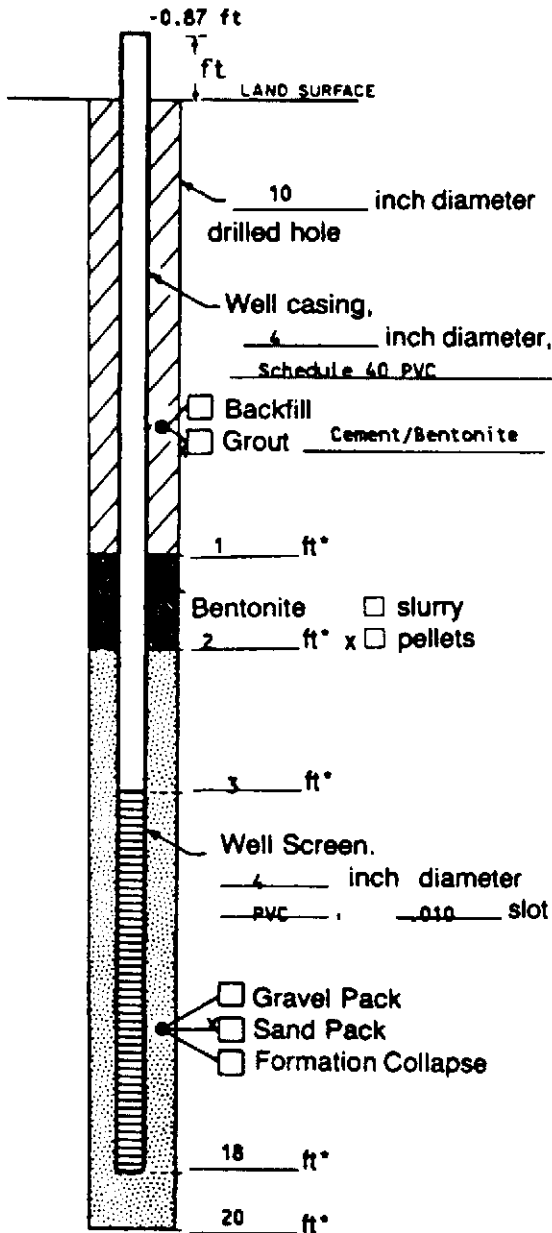
Well Purpose _____

Ground-Water Monitoring Well

Remarks _____

Prepared by _____

WELL CONSTRUCTION LOG
(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project AY05602 Well RF-2
Town/City Pittsfield
County Berkshire State MA
Permit No. _____
Land-Surface Elevation
and Datum 983.22 feet Surveyed
NGVD 1929 Estimated
Installation Date(s) 10-22-91
Drilling Method Hollow-Stem Auger
Drilling Contractor Clean Berkshires, Inc.
Drilling Fluid _____

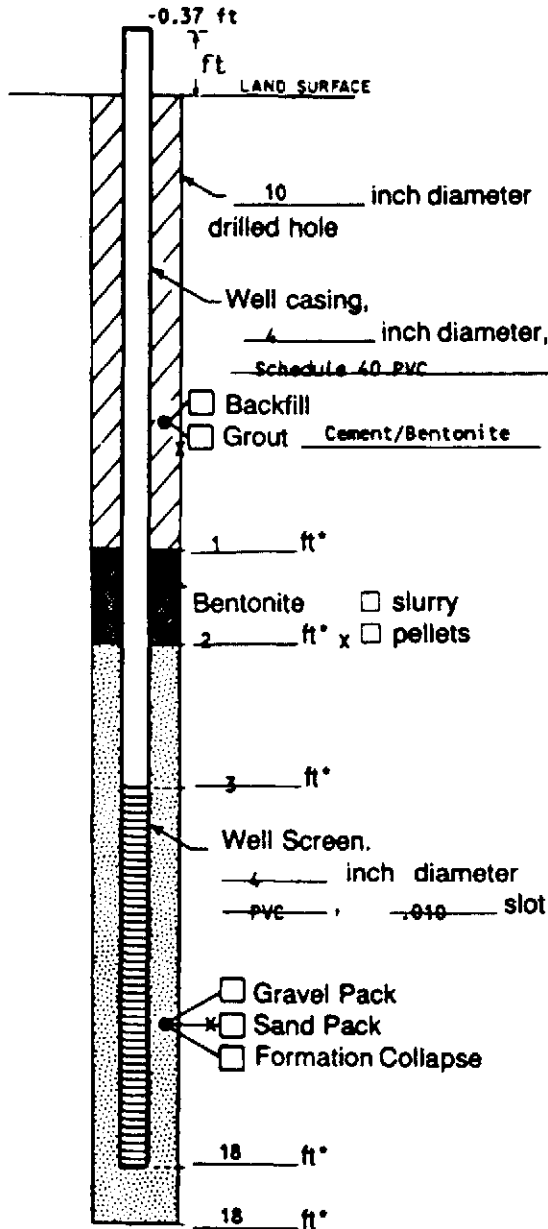
Development Technique(s) and Date(s)
Bladder Pump, 10-28-91

Fluid Loss During Drilling _____ gallons
Water Removed During Development 110 gallons
Static Depth to Water 6.26 feet below M.P.
Pumping Depth to Water 18.0 feet below M.P.
Pumping Duration 0.2 hours
Yield 9 gpm Date 10/28/91
Specific Capacity _____ gpm/ft
Well Purpose _____
Ground-Water Monitoring Well

Remarks _____

Prepared by _____

WELL CONSTRUCTION LOG
(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project AY05602 Well RF-3

Town/City Pittsfield

County Berkshire State MA

Permit No. _____

Land-Surface Elevation
and Datum 985.66 feet Surveyed
NGVD 1929 Estimated

Installation Date(s) 10-24-91

Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc.

Drilling Fluid _____

Development Technique(s) and Date(s)
Bladder Pump, 10-28-91

Fluid Loss During Drilling 0 gallons

Water Removed During Development 220 gallons

Static Depth to Water 9.67 feet below M.P.

Pumping Depth to Water 10.0 feet below M.P.

Pumping Duration 0.45 hours

Yield 7 gpm Date 10/28/91

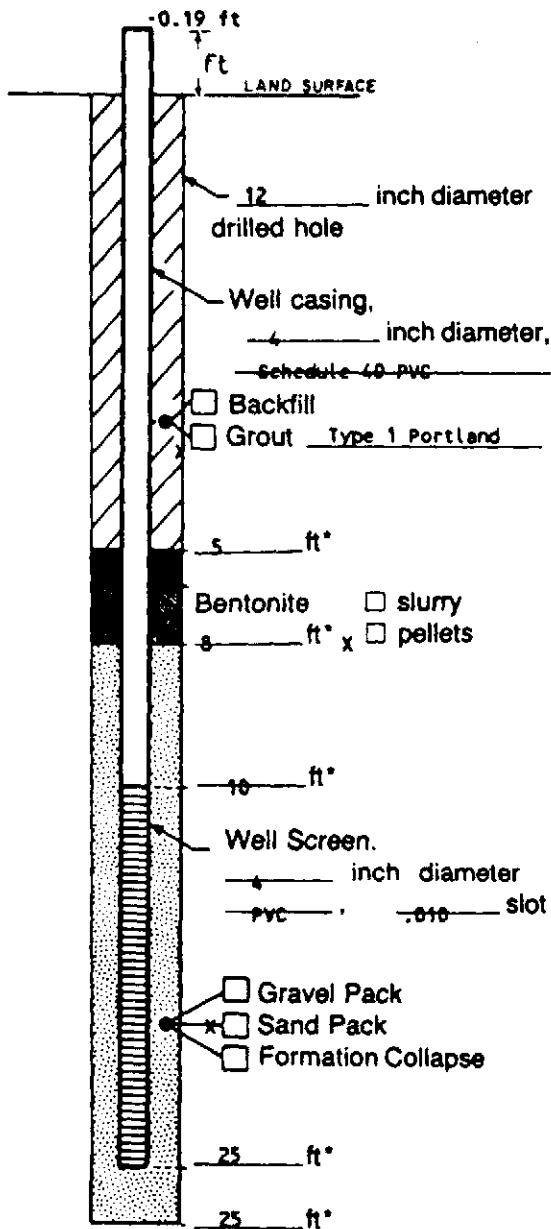
Specific Capacity _____ gpm/ft

Well Purpose _____
Ground-Water Monitoring Well

Remarks _____

Prepared by _____

WELL CONSTRUCTION LOG
(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project AY05602 Well RF-4

Town/City Pittsfield

County Berkshire State MA

Permit No. _____

Land-Surface Elevation
and Datum 1012.18 feet Surveyed
 Estimated

Installation Date(s) 5-29-91

Drilling Method 6 1/4" Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc.

Drilling Fluid None

Development Technique(s) and Date(s)

Bladder Pump, 6-21-91

Fluid Loss During Drilling NA gallons

Water Removed During Development 30 gallons

Static Depth to Water 15.25 feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration 0.4 hours

Yield 2 gpm Date 6/21/91

Specific Capacity _____ gpm/ft

Well Purpose _____

Ground Water Monitoring

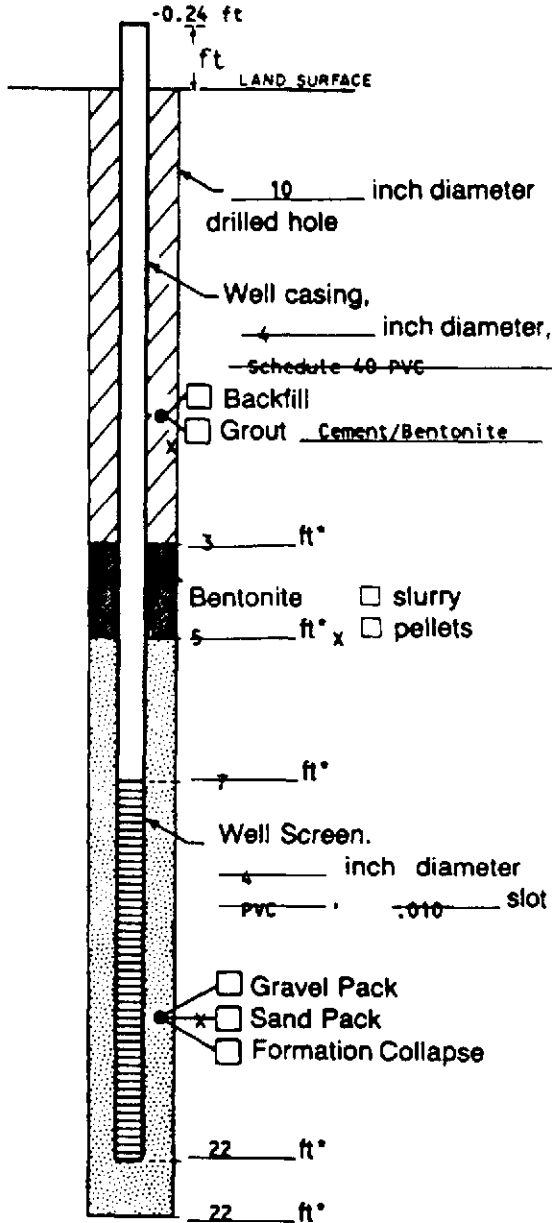
Remarks _____

14 bags #20 Sand

1 bucket Bentonite Pellets

Prepared by _____

WELL CONSTRUCTION LOG
(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

*Depth Below Land Surface

Project AY05602 Well RF-16

Town/City Pittsfield

County Berkshire State MA

Permit No. _____

Land-Surface Elevation
and Datum 988.15 feet Surveyed
NGVD 1929 Estimated

Installation Date(s) 10-21-91

Drilling Method Hollow-Stem Auger

Drilling Contractor Clean Berkshires, Inc.

Drilling Fluid _____

Development Technique(s) and Date(s)

Bladder Pump, 10-28-91

Fluid Loss During Drilling _____ gallons

Water Removed During Development 110 gallons

Static Depth to Water 9.61 feet below M.P.

Pumping Depth to Water _____ feet below M.P.

Pumping Duration 0.5 hours

Yield 2 gpm Date 10/28/91

Specific Capacity _____ gpm/ft

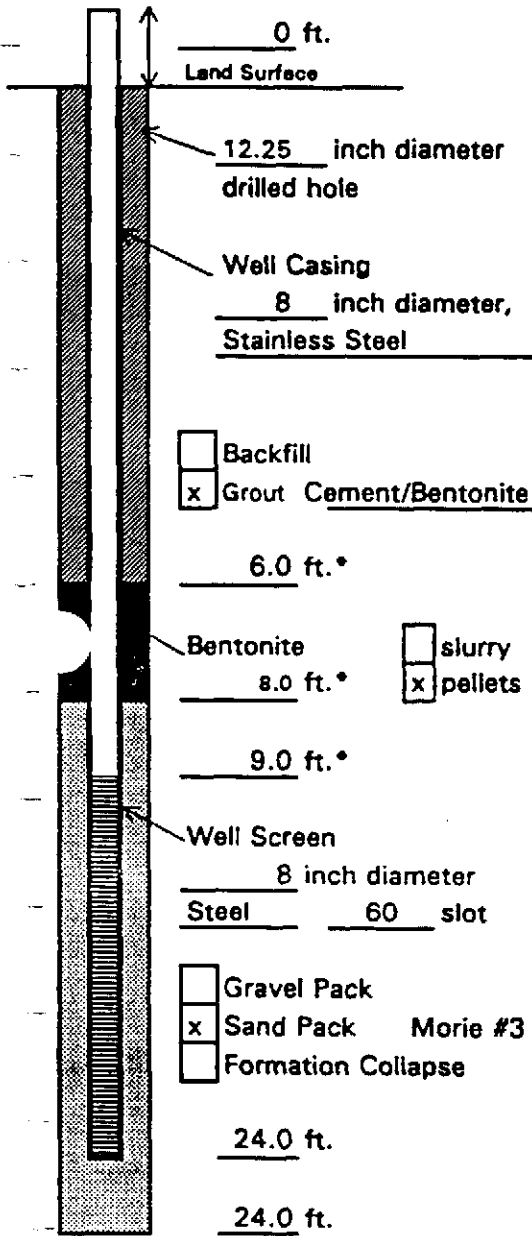
Well Purpose _____

Ground-Water Monitoring Well

Remarks _____

Prepared by A. LaBerge

WELL CONSTRUCTION LOG
(UNCONSOLIDATED)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project AY05312 Well RW-1(X)
 Town/City Pittsfield
 County Berkshire State Massachusetts
 Permit No. _____
 Land-Surface Elevation _____ feet
 and Datum _____ feet Surveyed
 Estimated
 Installation Date(s) 11/24/92 - 11/25/92
 Drilling Method Hollow-Stem Auger
 Drilling Contractor Empire Soils Investigations, Inc.
 Drilling Fluid None

Development Technique(s) and Date(s)
Centrifugal Pump and Polyethylene Tubing: 11/25/92

Fluid Loss During Drilling 0 gallons
 Water Removed During Development 275 gallons
 Static Depth to Water _____ feet below M.P.
 Pumping Depth to Water _____ feet below M.P.
 Pumping Duration _____ hours
 Yield _____ gpm Date _____
 Specific Capacity _____ gpm/ft.

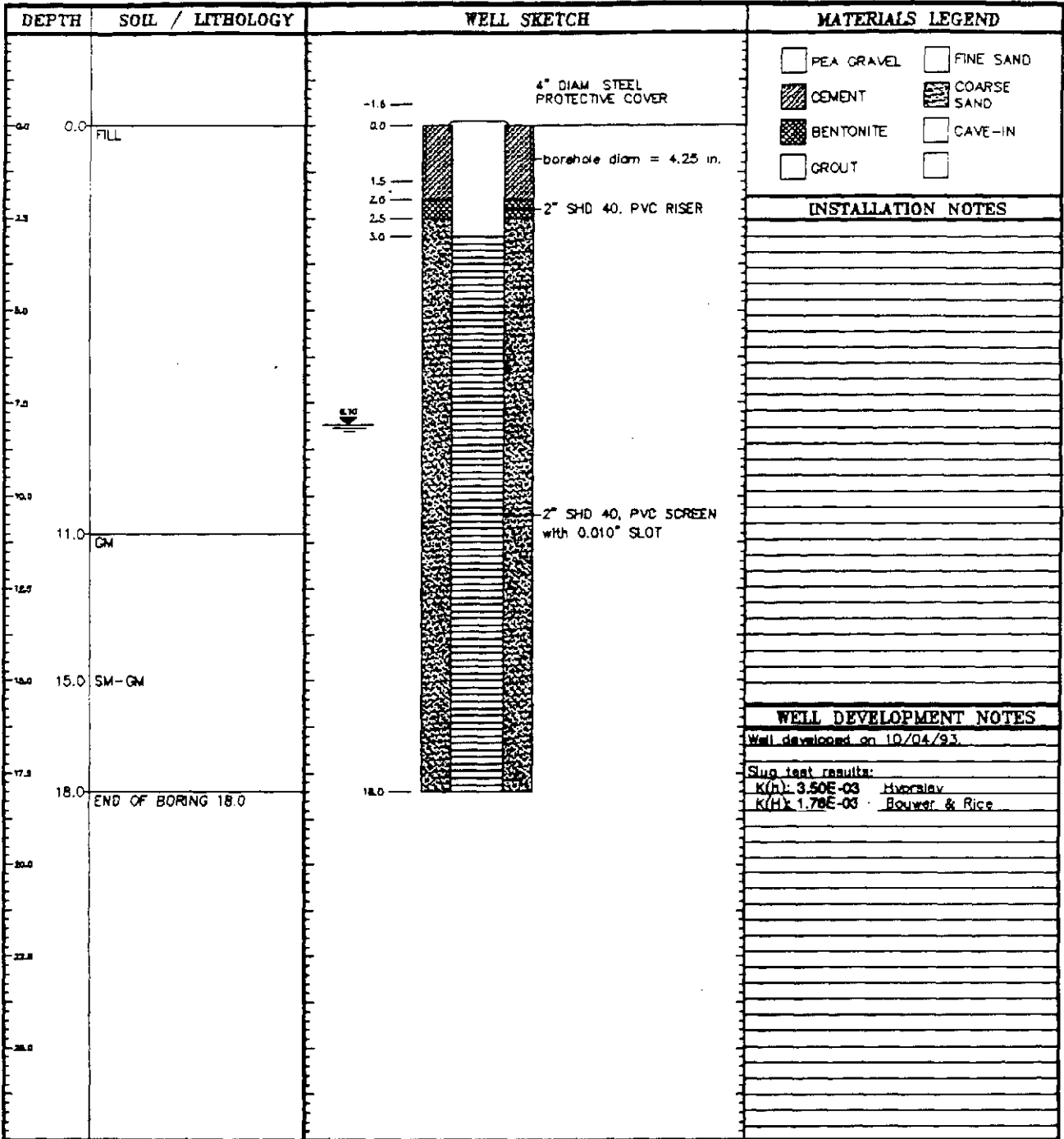
Well Purpose Recovery Well

Remarks _____

Prepared by A. LaBarge

MONITORING WELL INSTALLATION LOG

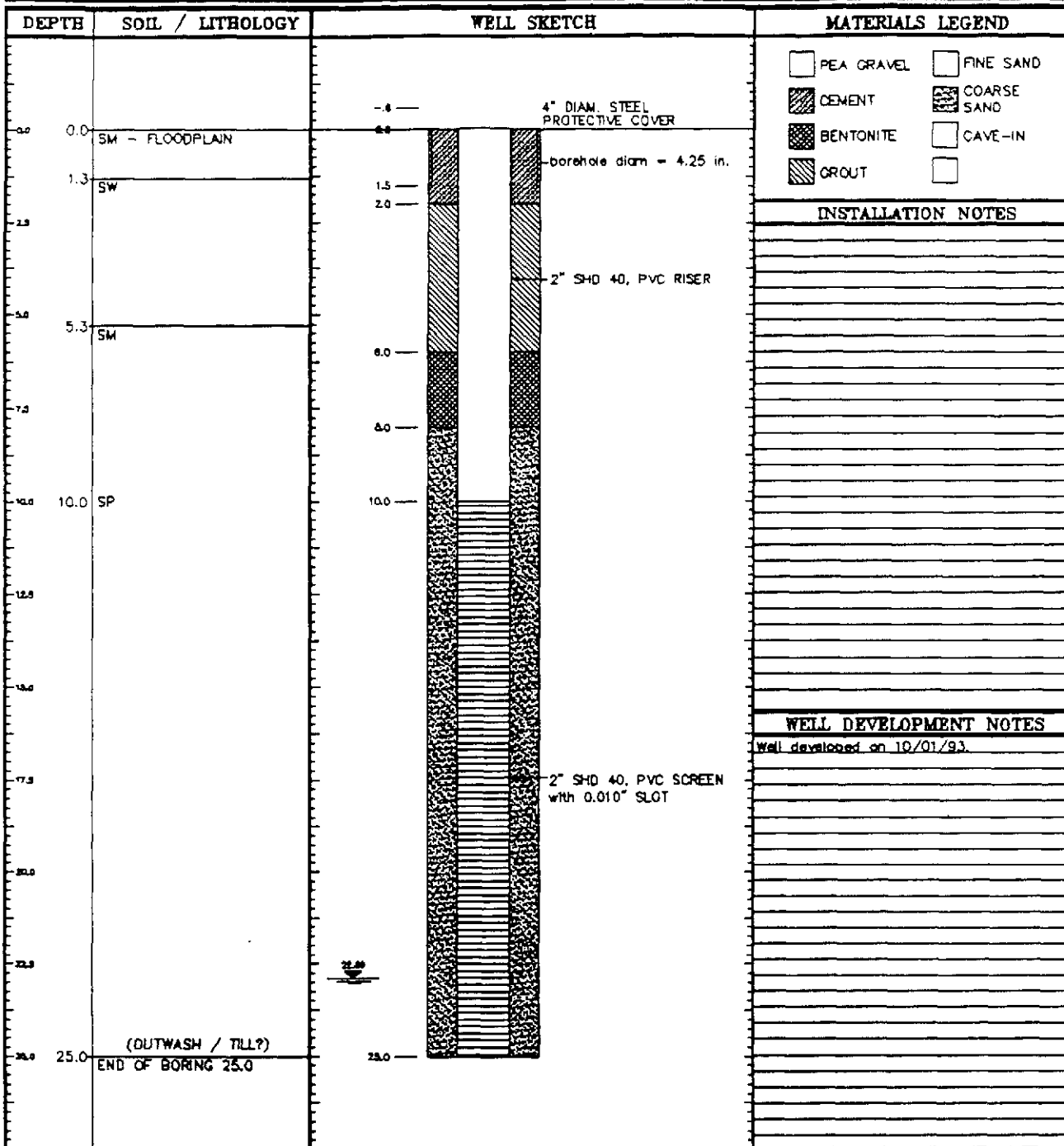
WELL NO. <u>ES2-2A</u>	PROJECT <u>EAST STREET AREA 2 \ GE \ PITTSFIELD</u>	REF NO. <u>87386.010</u>	SHEET <u>1</u> of <u>1</u>
INSPECTOR <u>M.A. Williams</u>	DRILLING COMPANY <u>Clean Berkshires, Inc.</u>	GROUND ELEV. <u>NA</u>	RISER ELEV. <u>NA</u>
WEATHER <u>NA</u>	DRILLING METHOD <u>4.25" Hollow Stem Auger</u>	WATER ELEV. <u>-8.1 (DEPTH)</u>	TIME/DATE <u>10/01/93</u>
TEMP. <u>NA</u>	DRILL RIG <u>Mobile B-57</u>	DRILLER <u>G. Rustemeyer</u>	STARTED <u>09/29/93</u>
LOCATION / COORDINATES <u>NOT CURRENTLY AVAILABLE</u>			COMPLETED <u>09/29/93</u>
			TIME / DATE



CONSTRUCTION MATERIALS SUMMARY						
WELL CASING	2.0	in. dia.	3.0	l.f.	MATERIAL	TYPE USED
CASING TYPE					SCH 40 PVC	
WELL SCREEN	2.0	in. dia.	15.0	l.f.	BENTONITE SEAL	BENTONITE
SCREEN TYPE					PVC, 0.010 SLOT	NONE
WELL COVER					4" DIAM. STEEL	CEMENT/CONCRETE
DRILLING FLUID					NONE USED	
						INSTALLATION METHOD
						GRAVITY
						GRAVITY
						NA
						GRAVITY

MONITORING WELL INSTALLATION LOG

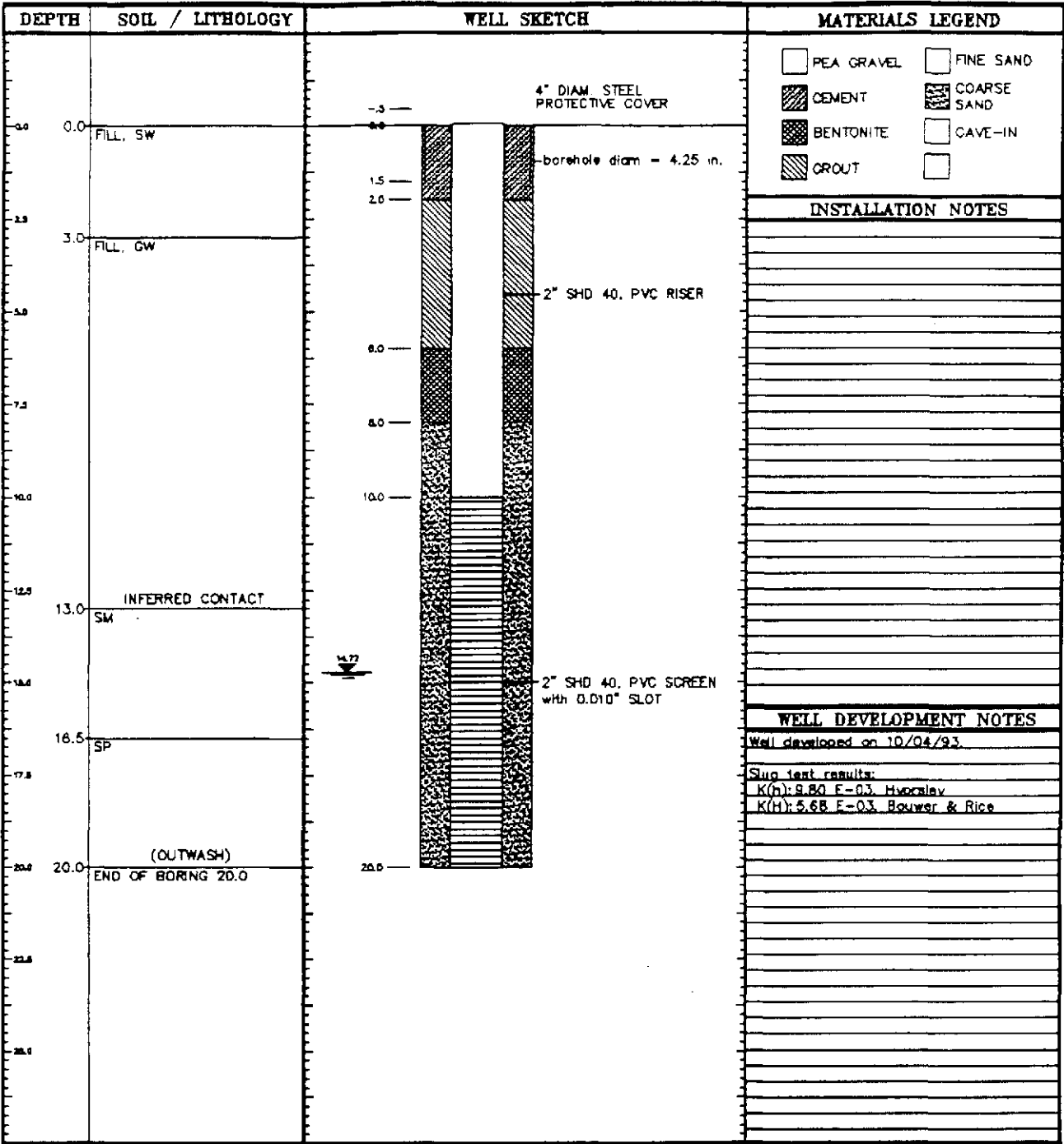
WELL NO. <u>ES2-8</u>	PROJECT <u>EAST STREET AREA 2 \ GE \ PITTSFIELD</u>	REF NO. <u>67386.010</u>	SHEET <u>1</u> of <u>1</u>
INSPECTOR <u>M.A. Williams</u>	DRILLING COMPANY <u>Clean Berkshires, Inc</u>	GROUND ELEV. <u>NA</u>	RISER ELEV. <u>NA</u>
WEATHER <u>NA</u>	DRILLING METHOD <u>4.25" Hollow Stem Auger</u>	WATER ELEV. <u>-22.89 (DEPTH)</u>	TIME/DATE <u>10/01/93</u>
TEMP <u>NA</u>	DRILL RIG <u>Mobile B-57</u>	DRILLER <u>G. Rustemeyer</u>	STARTED <u>09/28/93</u>
LOCATION / COORDINATES <u>NOT CURRENTLY AVAILABLE</u>			COMPLETED <u>09/28/93</u>



CONSTRUCTION MATERIALS SUMMARY						
WELL CASING	2.0	in. dia.	10.0	l.f.	MATERIAL	TYPE USED
CASING TYPE	SCH 40 PVC				FILTER PACK	#1 SAND
WELL SCREEN	2.0	in. dia.	15.0	l.f.	BENTONITE SEAL	BENTONITE
SCREEN TYPE	PVC, 0.010 SLOT				GROUT SEAL	CEMENT/BENTONITE
WELL COVER	4" DIAM. STEEL				SURFACE CEMENT	CEMENT/CONCRETE
DRILLING FLUID	NONE USED					
						INSTALLATION METHOD
						GRAVITY
						GRAVITY
						GRAVITY
						GRAVITY

MONITORING WELL INSTALLATION LOG

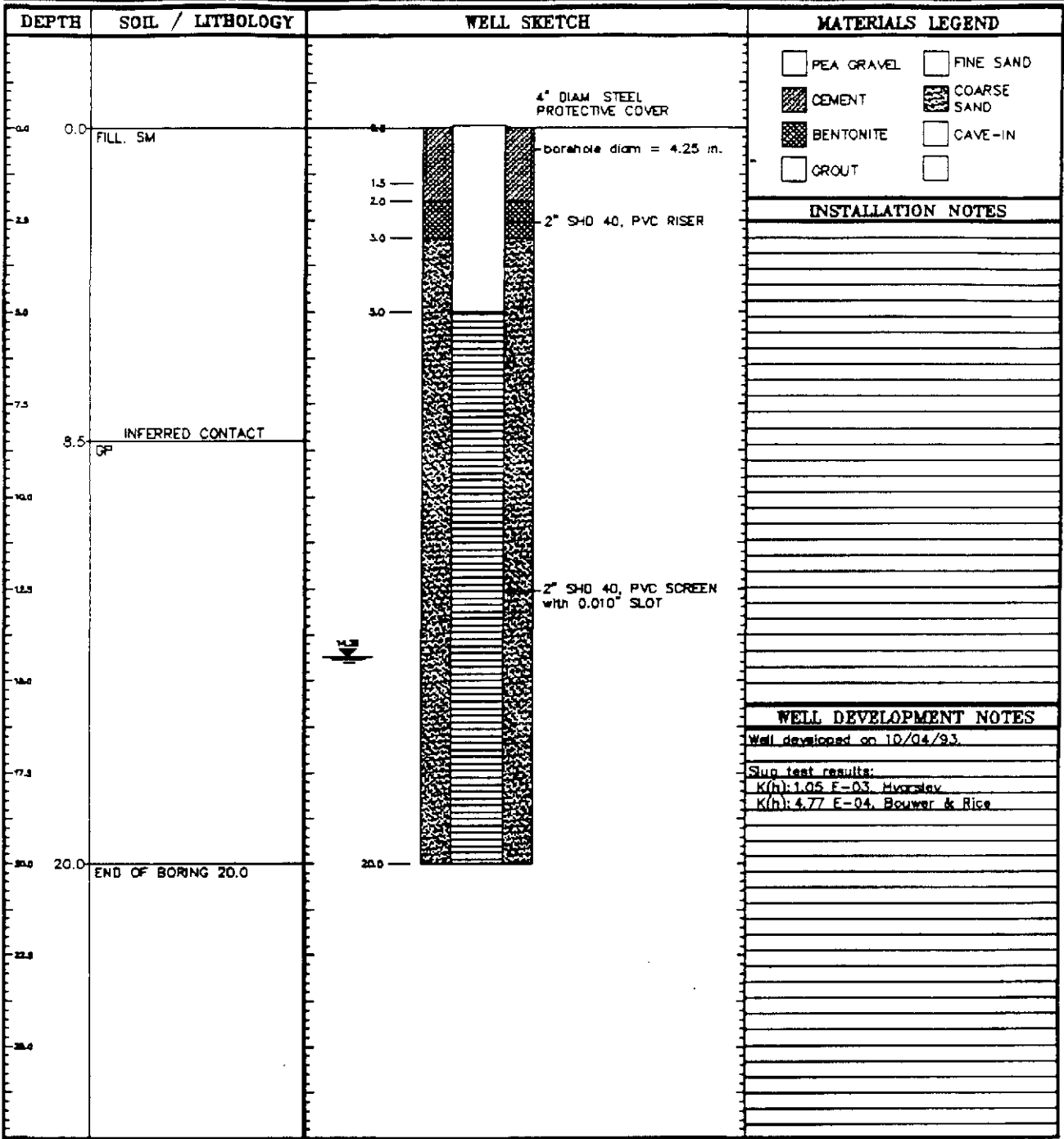
WELL NO. <u>ES2-9</u>	PROJECT <u>EAST STREET AREA 2 \ GE \ PITTSFIELD</u>	REF NO. <u>B7386.010</u>	SHEET <u> </u> of <u>1</u>
INSPECTOR <u>M.A. Williams</u>	DRILLING COMPANY <u>Clean Berkshires, Inc.</u>	GROUND ELEV. <u>NA</u>	RISER ELEV. <u>NA</u>
WEATHER <u>NA</u>	DRILLING METHOD <u>4.25" Hollow Stem Auger</u>	WATER ELEV. <u>-14.72 (DEPTH)</u>	TIME/DATE <u>10/01/93</u>
TEMP <u>NA</u>	DRILL RIG <u>Mobile B-57</u>	DRILLER <u>C. Rustemeyer</u>	STARTED <u>09/28/93</u>
LOCATION / COORDINATES <u>NOT CURRENTLY AVAILABLE</u>			COMPLETED <u>09/28/93</u>



CONSTRUCTION MATERIALS SUMMARY					
WELL CASING	DEPTH	IN. DIA.	FEET	MATERIAL	INSTALLATION METHOD
CASING TYPE	2.0	4.0	10.0	SCH 40 PVC	GRAVITY
WELL SCREEN	2.0	4.0	10.0	PVC 0.010 SLOT	GRAVITY
WELL COVER	4" DIAM. STEEL				GRAVITY
DRILLING FLUID	NONE USED				

MONITORING WELL INSTALLATION LOG

WELL NO. <u>9R</u>	PROJECT <u>EAST STREET AREA 2 \ GE \ PITTSFIELD</u>	REF NO. <u>B7386.010</u>	SHEET <u>1</u> of <u>1</u>
INSPECTOR <u>M.A. Williams</u>	DRILLING COMPANY <u>Clean Berkshires, Inc.</u>	GROUND ELEV. <u>NA</u>	RISER ELEV. <u>NA</u>
WEATHER <u>NA</u>	DRILLING METHOD <u>4.25" Hollow Stem Auger</u>	WATER ELEV. <u>-14.35 (DEPTH)</u>	TIME/DATE <u>10/01/93</u>
TEMP <u>NA</u>	DRILL RIG <u>Mobile B-57</u>	DRILLER <u>G. Rustmeyer</u>	STARTED <u>09/27/93</u>
LOCATION / COORDINATES <u>NOT CURRENTLY AVAILABLE</u>			COMPLETED <u>09/27/93</u>
			TIME / DATE



CONSTRUCTION MATERIALS SUMMARY						
WELL CASING	2.0	in. dia.	5.0	ft.	MATERIAL	INSTALLATION METHOD
CASING TYPE	SCH 40	PVC			FILTER PACK	#1 SAND
WELL SCREEN	2.0	in. dia.	15.0	ft.	BENTONITE SEAL	BENTONITE
SCREEN TYPE	PVC				GROUT SEAL	NONE
WELL COVER	4" DIAM.	STEEL			SURFACE CEMENT	CEMENT/CONCRETE
DRILLING FLUID	NONE USED					GRAVITY

