

Nivison Property

Project Number: REA003








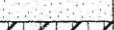

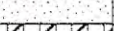



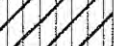









Project Manager: Richard Ordeman

Date Started : 06/05/2006
 Date Completed : 06/05/2006
 Logged by : Matt McCoy
 Reviewed by : Richard Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Direct Push
 Sampling Method : Acetate Liner
 Total Depth (ft.) : 20.0"
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HSB-3

(Page 1 of 2)

Approx. G. Elev. :
 PID/FID Model :
 PID/FID Calibration :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples
							 Sample Recovered  Sample Sent to Lab
DESCRIPTION							
0	4.0/2.9	DP1/SS1	1.4	NA	   		0.0 to 0.3 - Concrete.
						0.3 to 0.8 - Soft orange/brown SAND, moist.	
1		DP1/SS2	5.1	NA			0.8 to 1.0 - Medium stiff brown silty CLAY, moist.
		DP1/SS3	4.2	NA			1.0 to 1.4 - Loose orange/brown SAND, moist.
		DP1/SS4	5.4	NA			1.4 to 3.2 - Soft to firm dark brown/grey silty CLAY, moist, trace black mottling.
2							
3							
4	4.0/2.4	DP2/SS5	2.8	NA			
		DP2/SS6	2.5	NA			4.5 to 6.0 - Loose brown/orange fine SAND, few silty wet to 6.0, very silty at bottom.
5							
6		DP2/SS7	2.8	NA			6.0 to 6.4 - Soft orange/brown SILT, moist.
7							
8	4.0/2.8	DP3/SS8	4.9	NA	 		8.0 to 10.8 - Loose silty SAND & GRAVEL, wet below 9.3, saturated.
9							
10		DP3/SS9	NA	NA			
11							
12							

REMARKS:

Borings backfilled with bentonite chips.



Date Started : 06/05/2006
 Date Completed : 06/05/2006
 Logged by : Matt McCoy
 Reviewed by : Richard Ordeman
 Drilling Contractor : Tlger Probe
 Drilling Method : Direct Push
 Sampling Method : Acetate Liner
 Total Depth (ft.) : 20.0"
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HSB-3

(Page 2 of 2)

Nivison Property

Project Number: REA003

Project Manager: Richard Ordeman

Approx. G. Elev. :
 PID/FID Model :
 PID/FID Calibration :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	DESCRIPTION
							<input checked="" type="checkbox"/> Sample Recovered <input type="checkbox"/> Sample Sent to Lab	
12	4.0/3.9	DP4/SS10	3.0	NA				12.0 to 14.0 - Loose grey/brown red SAND, saturated.
13								
14		DP4/SS11	2.1	NA				14.0 to 14.9 - Medium stiff brown clayey SILT, few coarse sand, trace gravel, moist.
15								14.9 to 15.9 - Stiff grey silty CLAY, few gravel, moist.
16	4.0/3.8	DP5/SS12	3.8	NA				16.0 to 19.8 - SAA: saturated silty fine sand between 19.1-19.5.
17								
18		DP5/SS13	4.2	NA				
19								
20								EOB @ 20.0'.
21								
22								
23								
24								

REMARKS:

Borings backfilled with bentonite chips.

Date Started : 06/06/2006
 Date Completed : 06/06/2006
 Logged by : Matt McCoy
 Reviewed by : Richard Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Direct Push
 Sampling Method : Acetate Liner
 Total Depth (ft.) : 20.0"
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HSB-4











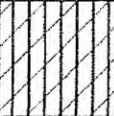


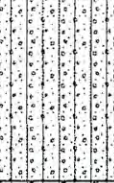



(Page 1 of 2)

Nivison Property

Project Number: REA003

Project Manager: Richard Ordeman

Approx. G. Elev. :
 PID/FID Model :
 PID/FID Calibration :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples
							 Sample Recovered  Sample Sent to Lab
DESCRIPTION							
0	4.0/2.6	DP1/SS1	5.3	NA			0.0 to 0.2 - Concrete.
1							0.2 to 2.1 - Soft dark brown clayey SILT, trace fine sand, slightly moist.
2		DP1/SS2	3.8	NA			2.1 to 2.6 - Loose orange/brown fine SAND, trace silt, slightly moist.
3							
4	4.0/2.9	DP2/SS3	5.8	NA			4.0 to 5.5 - Same As Above (SAA): clayey zone between 4.2-4.6.
5							
6		DP3/SS4	6.4	NA			5.5 to 6.7 - Soft orange brown SILT/clayey SILT, moist, iron stains.
7		DP3/SS5	3.1	NA			6.7 to 6.9 - Loose brown/light grey silty SAND & GRAVEL, slightly moist.
8	4.0/3.9	DP4/SS6	7.2	NA			8.0 to 8.6 - SAA.
9		DP4/SS7	3.0	NA			8.6 to 11.9 - Soft to medium stiff brown silty CLAY, little medium and fine sand, trace gravel, moist, wet pockets 9.3, 10.4, 11.6, light grey below 11.7.
10		DP4/SS8	NM	NA			
11							
12							

REMARKS:

Borings backfilled with bentonite chips.

Hull

& associates, inc.

Nivison Property

Project Number: REA003

Project Manager: Richard Ordeman

Date Started : 06/06/2006
 Date Completed : 06/06/2006
 Logged by : Matt McCoy
 Reviewed by : Richard Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Direct Push
 Sampling Method : Acetate Liner
 Total Depth (ft.) : 20.0"
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HSB-4

(Page 2 of 2)

Approx. G. Elev. :
 PID/FID Model :
 PID/FID Calibration :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	DESCRIPTION
							<input checked="" type="checkbox"/> Sample Recovered <input type="checkbox"/> Sample Sent to Lab	
12	4.0/4.0	DP5/SS9	2.4	NA				12.0 to 16.0 - SAA: grey.
13								
14		DP5/SS10	1.8	NA				
15								
16	4.0/4.0	DP6/SS11	2.6	NA				16.0 to 17.0 - SAA.
17								17.0 to 17.9 - Loose grey silty fine SAND, saturated.
18		DP6/SS12	2.1	NA				17.9 to 20.0 - Stiff grey silty CLAY, trace gravel and coarse sand, moist.
19								
20								EOB @ 20.0'.
21								
22								
23								
24								

REMARKS:

Borings backfilled with bentonite chips.



Date Started : 06/06/2006
 Date Completed : 06/06/2006
 Logged by : Matt McCoy
 Reviewed by : Richard Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Direct Push
 Sampling Method : Acetate Liner
 Total Depth (ft.) : 20.0"
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HSB-5






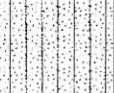





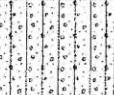






(Page 1 of 2)

Nivison Property

Project Number: REA003

Project Manager: Richard Ordeman

Approx. G. Elev. :
 PID/FID Model :
 PID/FID Calibration :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples
							 Sample Recovered  Sample Sent to Lab
DESCRIPTION							
0	4.0/2.1	DP1/SS1	4.2	NA			0.0 to 0.2 - Concrete. 0.2 to 1.0 - Soft dark brown clayey SILT, trace fine sand, moist.
1		DP1/SS2	3.2	NA			1.0 to 2.1 - Soft/loose orange/brown fine silty SAND, silt decreasing with depth, moist, brown below 1.7.
2							
3							
4	4.0/2.8	DP2/SS3	4.2	NA			4.0 to 5.1 - Same As Above (SAA): silty below 4.9, very moist at bottom.
5		DP2/SS4	6.0	NA			5.1 to 5.9 - Medium stiff brown/orange clayey SILT, trace gravel at depth, moist.
6		DP2/SS5	4.8	NA			5.9 to 6.8 - Loose light grey/brown silty SAND& GRAVEL, slightly moist.
7							
8	4.0/3.0	DP3/SS6	5.6	NA			8.0 to 9.0 - SAA: wet below 8.3.
9		DP3/SS7	5.1	NA			9.0 to 11.0 - Stiff brown to grey silty CLAY, trace gravel, few coarse sand decreasing with depth, moist.
10		DP3/SS8	4.8	NA			
11							
12							

REMARKS:

Borings backfilled with bentonite chips.



Date Started : 06/06/2006
 Date Completed : 06/06/2006
 Logged by : Matt McCoy
 Reviewed by : Richard Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Direct Push
 Sampling Method : Acetate Liner
 Total Depth (ft.) : 20.0"
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HSB-5

(Page 2 of 2)

Nivison Property

Project Number: REA003

Project Manager: Richard Ordeman

Approx. G. Elev. :
 PID/FID Model :
 PID/FID Calibration :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	DESCRIPTION
							<input checked="" type="checkbox"/> Sample Recovered <input type="checkbox"/> Sample Sent to Lab	
12	4.0/2.7	DP4/SS9	3.9	NA				12.0 to 14.7 - SAA.
13								
14		DP4/SS10	4.1	NA				
15								
16	4.0/4.0	DP5/SS11	4.1	NA				16.0 to 20.0 - SAA.
17								
18		DP5/SS12	5.6	NA				
19								
20								EOB @ 20.0'.
21								
22								
23								
24								

REMARKS:

Borings backfilled with bentonite chips.



Date Started : 06/06/2006
 Date Completed : 06/06/2006
 Logged by : Matt McCoy
 Reviewed by : Richard Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Direct Push
 Sampling Method : Acetate Liner
 Total Depth (ft.) : 14.3'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HSB-6







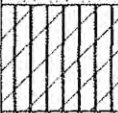




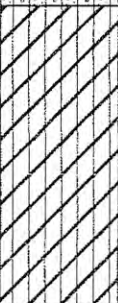
(Page 1 of 2)

Nivison Property

Project Number: REA003

Project Manager: Richard Ordeman

Approx. G. Elev. :
 PID/FID Model :
 PID/FID Calibration :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples
							 Sample Recovered  Sample Sent to Lab
DESCRIPTION							
0	4.0/1.9	DP1/SS1	4.2	NA			0.0 to 0.2 - Concrete. 0.2 to 2.1 - Loose fine brown SAND, lighter color with depth, slightly moist.
1							
2							
3							
4	4.0/3.0	DP2/SS2	3.1	NA			4.0 to 4.3 - Same As Above (SAA).
5		DP2/SS3	2.4	NA			4.3 to 5.4 - Soft orange/brown clayey SILT, few fine sand at bottom, moist.
6		DP2/SS4	3.2	NA			5.4 to 7.0 - Loose light grey/grey silty SAND & GRAVEL, slightly moist.
7		DP2/SS5	4.2	NA			
8	4.0/1.6	DP3/SS6	5.6	NA			8.0 to 8.9 - SAA: wet below 8.7.
9		DP3/SS7	5.7	NA			8.9 to 9.6 - Medium stiff orange/brown silty CLAY, trace gravel and medium sand, moist.
10							
11							
12							

REMARKS:

Borings backfilled with bentonite chips.



Date Started : 06/06/2006
 Date Completed : 06/06/2006
 Logged by : Matt McCoy
 Reviewed by : Richard Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Direct Push
 Sampling Method : Acetate Liner
 Total Depth (ft.) : 14.3'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HSB-6

(Page 2 of 2)

Nivison Property

Project Number: REA003

Project Manager: Richard Ordeman

Approx. G. Elev. :
 PID/FID Model :
 PID/FID Calibration :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples
							<input checked="" type="checkbox"/> Sample Recovered <input type="checkbox"/> Sample Sent to Lab
12	2.3/2.1	DP4/SS8	5.2	NA			12.0 to 14.1 - SAA.
13							
14							Refusal @ 14.3'.
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							

REMARKS:

Borings backfilled with bentonite chips.



Date Started : 06/06/2006
 Date Completed : 06/06/2006
 Logged by : Matt McCoy
 Reviewed by : Richard Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Direct Push
 Sampling Method : Acetate Liner
 Total Depth (ft.) : 20.0"
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HSB-7

(Page 1 of 2)

Nivison Property

Project Number: REA003

Project Manager: Richard Ordeman

Approx. G. Elev. :
 PID/FID Model :
 PID/FID Calibration :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	DESCRIPTION
							<input checked="" type="checkbox"/> Sample Recovered <input type="checkbox"/> Sample Sent to Lab	
0	4.0/2.0	DP1/SS1	1.7	NA				0.0 to 0.4 - Wood frags and TOPSOIL.
1								0.4 to 2.0 - Soft dark grey clayey SILT, very moist, charred wood frags between 1.2 -1.6, orange/brown below 1.6.
2								
3								
4	4.0/2.9	DP2/SS2	2.3	NA				4.0 to 4.7 - Same As Above (SAA).
5		DP2/SS3	3.1	NA				4.7 to 5.8 - Soft brown to olive grey green clayey SAND, moist.
6		DP2/SS4	2.4	NA				5.8 to 6.9 - Medium stiff brown clayey SILT, moist, iron stained.
7								
8	4.0/3.6	DP3/SS5	2.6	NA				8.0 to 9.6 - SAA: few fine sand, brown.
9								
10		DP3/SS6	2.8	NA				9.6 to 10.3 - Soft brown clayey SAND, moist.
11		DP3/SS7	1.5	NA				10.3 to 11.6 - Loose brown fine SAND, wet below 11.1.
12								

REMARKS:

Borings backfilled with bentonite chips.



Date Started : 06/06/2006
 Date Completed : 06/06/2006
 Logged by : Matt McCoy
 Reviewed by : Richard Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Direct Push
 Sampling Method : Acetate Liner
 Total Depth (ft.) : 20.0"
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HSB-7

(Page 2 of 2)

Nivison Property

Project Number: REA003

Project Manager: Richard Ordeman

Approx. G. Elev. :
 PID/FID Model :
 PID/FID Calibration :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	DESCRIPTION
							<input checked="" type="checkbox"/> Sample Recovered <input type="checkbox"/> Sample Sent to Lab	
12	4.0/3.8	DP4/SS8	1.8	NA				12.0 to 13.6 - Medium stiff light brown grey silty CLAY, few coarse sand, moist.
13								
14		DP4/SS9	2.1	NA				13.6 to 13.9 - Loose orange silty SAND & GRAVEL, wet. 13.9 to 15.8 - Medium stiff orange/brown silty CLAY, few coarse sand, trace gravel, moist.
15								
16	4.0/2.2	DP5/SS10	2.0	NA				16.0 to 18.2 - SAA.
17								
18								
19								
20								EOB @ 20.0'.
21								
22								
23								
24								

REMARKS:

Borings backfilled with bentonite chips.

Nivison Property

Project Number: REA003



Project Manager: Richard Ordeman

Date Started : 06/06/2006
 Date Completed : 06/06/2006
 Logged by : Matt McCoy
 Reviewed by : Richard Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Direct Push
 Sampling Method : Acetate Liner
 Total Depth (ft.) : 20.0"
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HSB-8

(Page 1 of 2)

Approx. G. Elev. :
 PID/FID Model :
 PID/FID Calibration :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	DESCRIPTION
							<div>  Sample Recovered  Sample Sent to Lab </div>	
0	4.0/2.7	DP1/SS1	4.4	NA				0.0 to 1.1 - Soft black clayey SILT, few coarse sand, coal, wood and glass frags, moist.
1								
2		DP1/SS2	3.0	NA				1.1 to 2.7 - Medium stiff orange/brown silty CLAY, trace coarse sand, moist fine sand parting at 2.0.
3								
4	6.0/3.9	DP2/SS3	3.4	NA				4.0 to 7.6 - Same As Above (SAA): grey, some black mottling.
5								
6		DP2/SS4	1.2	NA				
7								
8								7.6 to 7.9 - Loose brown fine SAND.
9								
10	6.0/4.0	DP3/SS5	2.1	NA				10.0 to 10.7 - SAA.
11								10.7 to 11.6 - Soft brown clayey SAND, very moist to wet.
12								11.6 to 14.0 - Loose to medium stiff silty SAND & GRAVEL, few clay, moist.

REMARKS:

Borings backfilled with bentonite chips.

Date Started : 06/06/2006
 Date Completed : 06/06/2006
 Logged by : Matt McCoy
 Reviewed by : Richard Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Direct Push
 Sampling Method : Acetate Liner
 Total Depth (ft.) : 20.0"
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HSB-8

(Page 2 of 2)

Nivison Property

Project Number: REA003

Project Manager: Richard Ordeman

Approx. G. Elev. :
 PID/FID Model :
 PID/FID Calibration :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	DESCRIPTION
							<input checked="" type="checkbox"/> Sample Recovered <input type="checkbox"/> Sample Sent to Lab	
12		DP3/SS6	2.3	NA				
13								
14								
15								
16	4.0/3.0	DP4/SS7	NM	NA				16.0 to 17.1 - SAA: wet.
17								17.1 to 19.0 - Medium stiff grey silty CLAY, few gravel, moist.
18								
19								
20								EOB @ 20.0'.
21								
22								
23								
24								

REMARKS:

Borings backfilled with bentonite chips.



Date Started : 06/05/2006
 Date Completed : 06/05/2006
 Logged by : Matt McCoy
 Reviewed by : Richard Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Direct Push
 Sampling Method : Acetate Liner
 Total Depth (ft.) : 20.0"
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HSB-9




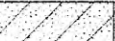

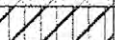

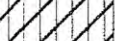

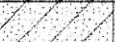

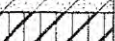








(Page 1 of 2)

Nivison Property

Project Number: REA003

Project Manager: Richard Ordeman

Approx. G. Elev. :
 PID/FID Model :
 PID/FID Calibration :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples
							 Sample Recovered  Sample Sent to Lab
DESCRIPTION							
0	4.0/2.8	DP1/SS1	2.7	NA			0.0 to 0.5 - Loose black clayey SAND, glass and wood frags, moist.
1		DP1/SS2	3.3	NA			0.5 to 2.8 - Soft to medium stiff brown and grey silty CLAY/clayey SILT, trace gravel, moist, <0.1 sand seam at 2.2, dark brown between 1.7-2.0.
2		DP1/SS3	NM	NA			
3							
4	4.0/2.7	DP2/SS4	5.5	NA			4.0 to 5.6 - Soft olive green/grey clayey SAND, moist, black mottling.
5							
6		DP2/SS5	3.8	NA			5.6 to 6.7 - Soft dark brown silty CLAY, trace fine sand and brick frags, moist, orange mottling.
7		DP2/SS6	NM	NA			
8	4.0/4.0	DP3/SS7	1.6	NA			8.0 to 10.4 - SAA: few fine sand, brown.
9							
10							
11		DP3/SS8	1.6	NA			10.4 to 11.1 - Soft brown sandy CLAY, moist.
11		DP3/SS9	1.7	NA			11.1 to 12.0 - Loose brown fine SAND, moist.
12							

REMARKS:

Borings backfilled with bentonite chips.

Hull

& associates, inc.

Nivison Property

Project Number: REA003

Project Manager: Richard Ordeman



Date Started : 06/05/2006
Date Completed : 06/05/2006
Logged by : Matt McCoy
Reviewed by : Richard Ordeman
Drilling Contractor : Tiger Probe
Drilling Method : Direct Push
Sampling Method : Acetate Liner
Total Depth (ft.) : 20.0"
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HSB-9

(Page 2 of 2)

Approx. G. Elev. :
PID/FID Model :
PID/FID Calibration :

Soil Samples

 Sample Recovered
 Sample Sent to Lab

Depth
in
Feet

Sample Interval/
Sample Recovery

Sampler Type/
Sample Number

PID / FID (ppm)

Blow Count
(6"-6'-6"-6")

Samples

GRAPHIC

DESCRIPTION

12

4.0/2.7

DP4/SS10

NM

NA





12.0 to 13.1 - SAA: wet.

13

13.1 to 14.2 - Loose brown silty SAND & GRAVEL, wet.

14

15

14.2 to 14.7 - Medium stiff brown silty CLAY, little coarse sand, moist, iron stains.

16

4.0/3.1

DP5/SS11

NM

NA





19.0 to 19.1 - SAA: grey.

17

18

19

20

EOB @ 20.0'.

21

22

23

24

REMARKS:

Borings backfilled with bentonite chips.



Date Started : 6/29/06
 Date Completed : 6/29/06
 Logged by : S. Sojda
 Reviewed by : R. Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Geoprobe
 Sampling Method : Direct Push
 Total Depth (ft.) : 17.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING P-1

(Page 1 of 2)

Temporary Piezometer Installation
 Nivison Property
 601 3rd St., Reading OH

Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
 PID/FID Model : NA
 PID/FID Calibration : NA
 Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6'-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	DESCRIPTION
							<input checked="" type="checkbox"/> Sampled interval <input checked="" type="checkbox"/> Sample sent to lab.	<input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling	
0	4.0/3.5	DP-1/SS-1	NA	NA					0.0 to 0.3 - TOPSOIL. 0.3 to 1.0 - Loose black SAND and GRAVEL FILL.
1									1.0 to 3.5 - Soft olive green sandy CLAY, moist.
2		DP-1/SS-2	NA	NA					
3									
4	4.0/3.0	DP-2/SS-3	NA	NA					4.0 to 5.0 - Same As Above (SAA).
5									5.0 to 6.0 - Soft olive grey clayey SAND, moist.
6		DP-2/SS-4	NA	NA					6.0 to 7.0 - Medium dense light brown to olive brown SAND and GRAVEL, with clay, moist.
7									
8	4.0/2.0	DP-3/SS-5	NA	NA					8.0 to 8.4 - Soft brown clayey SAND, moist.
9									8.4 to 10.0 - Loose reddish brown SAND with few gravels.
10		DP-3/SS-6	NA	NA					
11									
12									

Piezometer: P-1
Elev.:

1" Cap

1" ID Sch. 40
PVC Riser

REMARKS:

Temporary piezometer initially set at 14'. Piezometer dry, re-set at 17'.

Date Started : 6/29/06
 Date Completed : 6/29/06
 Logged by : S. Sojda
 Reviewed by : R. Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Geoprobe
 Sampling Method : Direct Push
 Total Depth (ft.) : 17.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING P-1





(Page 2 of 2)

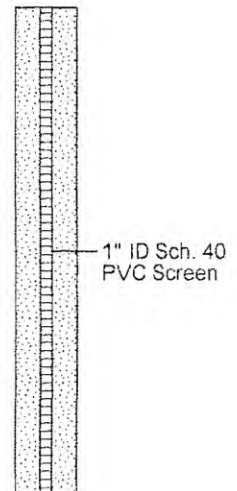
Temporary Piezometer Installation
 Nivison Property
 601 3rd St., Reading OH

Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
 PID/FID Model : NA
 PID/FID Calibration : NA
 Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION	Piezometer: P-1 Elev.:
							 Sampled Interval	 Sample sent to lab.	 Static	 During Drilling		
12	4.0/2.0	DP-4/SS-7	NA	NA							12.0 to 14.0 - Loose brown SAND, very moist to wet from 12-13, wet 13-14.	
13												
14		DP-5/SS-8	NA	NA								
15												
16												
17											EOB @ 17.0'.	
18												
19												
20												
21												
22												
23												
24												



REMARKS:

Temporary piezometer initially set at 14'. Piezometer dry, re-set at 17'.

Date Started : 6/29/06
 Date Completed : 6/29/06
 Logged by : S. Sojda
 Reviewed by : R. Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Geoprobe
 Sampling Method : Direct Push
 Total Depth (ft.) : 18.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING P-2

(Page 1 of 2)

Temporary Piezometer Installation
 Nivison Property
 601 3rd St., Reading OH

Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
 PID/FID Model : NA
 PID/FID Calibration : NA
 Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	DESCRIPTION
							<input checked="" type="checkbox"/> Sampled Interval <input checked="" type="checkbox"/> Sample sent to lab.	<input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling	
0	4.0/2.0	DP-1/SS-1	NA	NA					0.0 to 0.3 - TOPSOIL.
1									0.3 to 1.3 - Loose black SAND and GRAVEL FILL.
2		DP-1/SS-2	NA	NA					1.3 to 2.0 - Medium dense brown clayey SAND, moist.
3									
4	4.0/3.3	DP-2/SS-3	NA	NA					4.0 to 7.3 - Same As Above (SAA): some gravels, some black areas.
5									
6		DP-2/SS-4	NA	NA					
7									
8	4.0/4.0	DP-3/SS-5	NA	NA					8.0 to 9.0 - Medium dense brown clayey SAND, moist.
9									9.0 to 12.0 - Medium dense brown clayey SAND, moist.
10		DP-3/SS-6	NA	NA					
11									
12									

Piezometer: P-2
 Elev.:

1" Cap

1" ID Sch. 40
 PVC Riser

REMARKS:



Date Started : 6/29/06
 Date Completed : 6/29/06
 Logged by : S. Sojda
 Reviewed by : R. Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Geoprobe
 Sampling Method : Direct Push
 Total Depth (ft.) : 18.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING P-2

(Page 2 of 2)

Temporary Piezometer Installation
 Nivison Property
 601 3rd St., Reading OH

Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
 PID/FID Model : NA
 PID/FID Calibration : NA
 Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION	Piezometer: P-2 Elev.:
							<input checked="" type="checkbox"/> Sampled Interval	<input type="checkbox"/> Sample sent to lab.	<input checked="" type="checkbox"/> Static	<input type="checkbox"/> During Drilling		
12	4.0/3.5	DP-4/SS-7	NA	NA							12.0 to 15.5 - Loose brown med grained SAND, very moist to wet, wet @ ~15'	<p>1" ID Sch. 40 PVC Riser</p> <p>1" ID Sch. 40 PVC Screen</p>
13												
14		DP-4/SS-8	NA	NA								
15												
16	2.0/2.0	DP-5/SS-9	NA	NA							16.0 to 18.0 - SAA.	
17												
18											EOB @ 18.0'.	
19												
20												
21												
22												
23												
24												

REMARKS:

Date Started : 6/29/06
 Date Completed : 6/29/06
 Logged by : S. Sojda
 Reviewed by : R. Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Geoprobe
 Sampling Method : Direct Push
 Total Depth (ft.) : 16.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING P-3

(Page 1 of 2)

Temporary Piezometer Installation
 Nivison Property
 601 3rd St., Reading OH

Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
 PID/FID Model : NA
 PID/FID Calibration : NA
 Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION
							Sampled Interval	Sample sent to lab.	Static	During Drilling	
0	4.0/0.5	DP-1/SS-1	NA	NA							0.0 to 0.5 - Loose brown SAND and GRAVEL FILL.
1											
2		DP-1/SS-2	NA	NA							
3											
4	4.0/2.3	DP-2/SS-3	NA	NA							4.0 to 6.3 - Soft dark brown clayey SAND, moist.
5											
6		DP-2/SS-4	NA	NA							
7											
8	4.0/3.7	DP-3/SS-5	NA	NA							8.0 to 11.7 - Loose brown SAND, moist, wet @ ~11.7'.
9											
10		DP-3/SS-6	NA	NA							
11											
12											

Piezometer: P-3
 Elev.:

1" Cap

1" ID Sch. 40
 PVC Riser

1" ID Sch. 40
 PVC Screen

REMARKS:



Date Started : 6/29/06
Date Completed : 6/29/06
Logged by : S. Sojda
Reviewed by : R. Ordeman
Drilling Contractor : Tiger Probe
Drilling Method : Geoprobe
Sampling Method : Direct Push
Total Depth (ft.) : 16.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING P-3

(Page 2 of 2)

Temporary Piezometer Installation
Nivison Property
601 3rd St., Reading OH

Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
PID/FID Model : NA
PID/FID Calibration : NA
Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	DESCRIPTION	Piezometer: P-3 Elev.:
							<input checked="" type="checkbox"/> Sampled Interval <input checked="" type="checkbox"/> Sample sent to lab.	<input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling		
12	4.0/3.2	DP-4/SS-7	NA	NA					12.0 to 13.9 - Same As Above (SAA): wet.	
13										
14		DP-4/SS-8	NA	NA					13.9 to 15.2 - Soft grey CLAY, moist.	
15										
16									EOB @ 16.0'.	
17										
18										
19										
20										
21										
22										
23										
24										

1" ID Sch. 40
PVC Screen

REMARKS:



Date Started : 6/29/06
 Date Completed : 6/29/06
 Logged by : S. Sojda
 Reviewed by : R. Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Geoprobe
 Sampling Method : Direct Push
 Total Depth (ft.) : 20.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING P-4

(Page 1 of 2)

Temporary Piezometer Installation
 Nivison Property
 601 3rd St., Reading OH

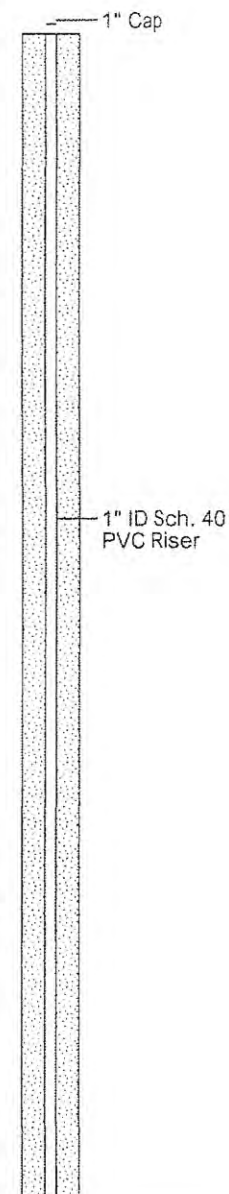
Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
 PID/FID Model : NA
 PID/FID Calibration : NA
 Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	DESCRIPTION
							Sampled Interval Sample sent to lab.	Static During Drilling	
0	4.0/3.2	DP-1/SS-1	NA	NA					0.0 to 0.2 - TOPSOIL. 0.2 to 2.8 - Loose black SAND and GRAVEL FILL, very moist to wet.
1									
2		DP-1/SS-2	NA	NA					
3									2.8 to 3.2 - Soft olive grey sand CLAY, moist.
4	4.0/3.5	DP-2/SS-3	NA	NA					4.0 to 5.2 - Same As Above (SAA).
5									
6		DP-2/SS-4	NA	NA					5.2 to 6.5 - Soft to loose dark brown SAND and GRAVEL, very moist w/ some clay.
7									
8	4.0/4.0	DP-3/SS-5	NA	NA					8.0 to 9.0 - SAA.
9									
10		DP-3/SS-6	NA	NA					9.0 to 12.0 - Medium dense brown clayey SAND, moist.
11									
12									

Piezometer: P-4
 Elev.:



REMARKS:

Date Started : 6/29/06
 Date Completed : 6/29/06
 Logged by : S. Sojda
 Reviewed by : R. Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Geoprobe
 Sampling Method : Direct Push
 Total Depth (ft.) : 20.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING P-4







(Page 2 of 2)

Temporary Piezometer Installation
 Nivison Property
 601 3rd St., Reading OH

Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
 PID/FID Model : NA
 PID/FID Calibration : NA
 Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION	Piezometer: P-4 Elev.:
							 Sampled Interval	 Sample sent to lab.	 Static	 During Drilling		
12	4.0/3.0	DP-4/SS-7	NA	NA							12.0 to 15.0 - Loose brown SAND, wet @ ~14'.	
13												
14		DP-4/SS-8	NA	NA								
15												
16	4.0/2.5	DP-5/SS-9	NA	NA							16.0 to 18.0 - SAA.	
17												
18		DP-5/SS-10	NA	NA							18.0 to 18.5 - Soft grey CLAY, moist.	
19												
20											EOB @ 20.0'.	
21												
22												
23												
24												

REMARKS:



Date Started : 6/29/06
 Date Completed : 6/29/06
 Logged by : S. Sojda
 Reviewed by : R. Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Geoprobe
 Sampling Method : Direct Push
 Total Depth (ft.) : 20.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING P-5

(Page 1 of 2)

Temporary Piezometer Installation
 Nivison Property
 601 3rd St., Reading OH

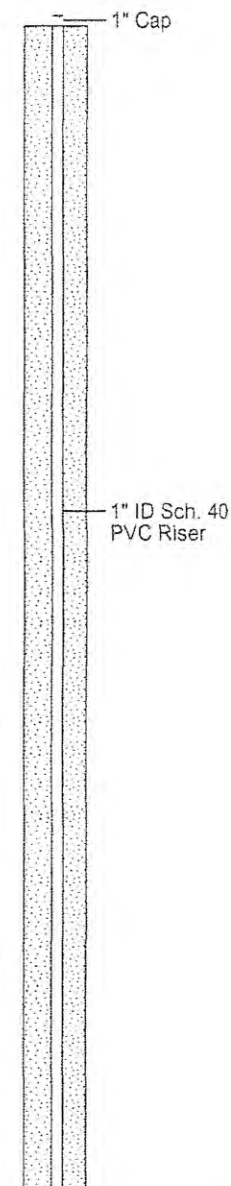
Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
 PID/FID Model : NA
 PID/FID Calibration : NA
 Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6'-6")	Samples	GRAPHIC	Soil Samples	Water Levels	DESCRIPTION
							<input checked="" type="checkbox"/> Sampled Interval <input checked="" type="checkbox"/> Sample sent to lab.	<input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling	
0	4.0/3.2	DP-1/SS-1	NA	NA					0.0 to 0.2 - TOPSOIL. 0.2 to 2.8 - Loose black SAND and GRAVEL FILL, very moist to wet.
1									
2		DP-1/SS-2	NA	NA					
3									2.8 to 3.2 - Soft olive grey sand CLAY, moist.
4	4.0/3.5	DP-2/SS-3	NA	NA					4.0 to 5.2 - Same As Above (SAA).
5									
6		DP-2/SS-4	NA	NA					5.2 to 6.5 - Soft to loose dark brown SAND and GRAVEL, very moist w/ some clay.
7									
8	4.0/4.0	DP-3/SS-5	NA	NA					8.0 to 9.0 - SAA.
9									
10		DP-3/SS-6	NA	NA					9.0 to 12.0 - Medium dense brown clayey SAND, moist.
11									
12									

Piezometer: P-4
 Elev.:



REMARKS:

Date Started : 6/29/06
 Date Completed : 6/29/06
 Logged by : S. Sojda
 Reviewed by : R. Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Geoprobe
 Sampling Method : Direct Push
 Total Depth (ft.) : 20.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING P-5

(Page 2 of 2)

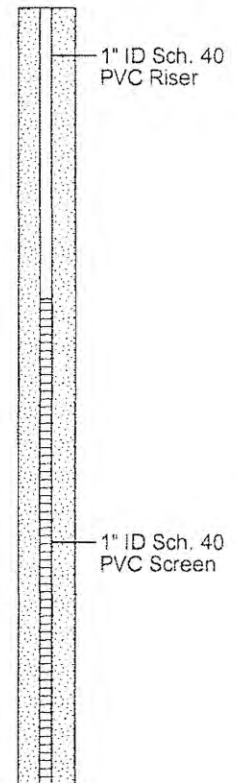
Temporary Piezometer Installation
 Nivison Property
 601 3rd St., Reading OH

Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
 PID/FID Model : NA
 PID/FID Calibration : NA
 Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	DESCRIPTION	Piezometer: P-4 Elev.:
							<input type="checkbox"/> Sampled Interval <input checked="" type="checkbox"/> Sample sent to lab.	<input checked="" type="checkbox"/> Static <input type="checkbox"/> During Drilling		
12	4.0/3.0	DP-4/SS-7	NA	NA					12.0 to 15.0 - Loose brown SAND, wet @ ~14'.	
13										
14		DP-4/SS-8	NA	NA						
15										
16	4.0/2.5	DP-5/SS-9	NA	NA					16.0 to 18.0 - SAA.	
17										
18		DP-5/SS-10	NA	NA					18.0 to 18.5 - Soft grey CLAY, moist.	
19										
20									EOB @ 20.0'.	
21										
22										
23										
24										



REMARKS:



Date Started : 7/3/06
 Date Completed : 7/3/06
 Logged by : S. Sojda
 Reviewed by : R. Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Geoprobe
 Sampling Method : Direct Push
 Total Depth (ft.) : 22.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING P-6

(Page 1 of 2)

Temporary Piezometer Installation
 Nivison Property
 601 3rd St., Reading OH

Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
 PID/FID Model : NA
 PID/FID Calibration : NA
 Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION
							Sampled Interval	Sample sent to lab.	Static	During Drilling	
0	4.0/2.0	DP-1/SS-1	NA	NA							0.0 to 0.3 - Concrete.
1											0.3 to 1.0 - Soft grey and black GRAVEL, w/ clay, fill, moist.
2		DP-1/SS-2	NA	NA							1.0 to 1.3 - Loose black CRUSHED STONE.
3											1.3 to 1.8 - Soft brown sandy CLAY, moist.
4	4.0/3.8	DP-2/SS-3	NA	NA							1.8 to 2.0 - Hard red BRICK.
5											4.0 to 5.7 - Same As Above (SAA).
6		DP-2/SS-4	NA	NA							5.7 to 6.1 - Medium dense olive and black sandy CLAY, moist, no odor.
7											6.1 to 7.8 - Soft brown sandy CLAY, moist.
8	4.0/4.0	DP-3/SS-5	NA	NA							8.0 to 12.0 - SAA.
9											
10		DP-3/SS-6	NA	NA							
11											
12											

Piezometer: P-6
 Elev.:

1" Cap

1" ID Sch. 40
PVC Riser

REMARKS:

Date Started : 7/3/06
 Date Completed : 7/3/06
 Logged by : S. Sojda
 Reviewed by : R. Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Geoprobe
 Sampling Method : Direct Push
 Total Depth (ft.) : 22.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING P-6

(Page 2 of 2)

Temporary Piezometer Installation
 Nivison Property
 601 3rd St., Reading OH

Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
 PID/FID Model : NA
 PID/FID Calibration : NA
 Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	DESCRIPTION	Piezometer: P-6 Elev.:
							<input checked="" type="checkbox"/> Sampled Interval <input checked="" type="checkbox"/> Sample sent to lab.	<input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling		
12	4.0/2.2	DP-4/SS-7	NA	NA					12.0 to 13.0 - SAA.	
13									13.0 to 14.2 - Soft grey clayey SAND, moist, small (2") very moist to wet zone at 13'.	
14		DP-4/SS-8	NA	NA						
15										
16	4.0/3.0	DP-5/SS-9	NA	NA					16.0 to 19.0 - Loose grey and black SAND and GRAVEL, wet.	
17										
18		DP-5/SS-10	NA	NA						
19										
20	2.0/2.0	DP-6/SS-11	NA	NA					20.0 to 21.5 - SAA.	
21										
22									21.5 to 22.0 - Soft grey CLAY, moist. EOB @ 22.0'.	
23										
24										

1" ID Sch. 40
PVC Riser

1" ID Sch. 40
PVC Screen

REMARKS:

Hull

& associates, inc.

Date Started : 7/3/06
 Date Completed : 7/3/06
 Logged by : S. Sojda
 Reviewed by : R. Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Geoprobe
 Sampling Method : Direct Push
 Total Depth (ft.) : 20.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING P-7

(Page 1 of 2)

Temporary Piezometer Installation
 Nivison Property
 601 3rd St., Reading OH

Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
 PID/FID Model : NA
 PID/FID Calibration : NA
 Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	DESCRIPTION	Piezometer: P-7 Elev.:
							<input checked="" type="checkbox"/> Sampled interval <input type="checkbox"/> Sample sent to lab.	<input checked="" type="checkbox"/> Static <input type="checkbox"/> During Drilling		
0	4.0/2.0	DP-1/SS-1	NA	NA					0.0 to 0.3 - Concrete.	
									0.3 to 0.8 - Loose grey and black GRAVEL FILL.	
1									0.8 to 2.0 - Soft brown sandy CLAY, w/ brick frags, moist.	
2		DP-1/SS-2	NA	NA						
3										
4	4.0/3.0	DP-2/SS-3	NA	NA					4.0 to 4.4 - Soft dark brown sandy CLAY, moist.	
5									4.4 to 7.0 - Loose brown fine SAND, dry.	
6		DP-2/SS-4	NA	NA						
7										
8	4.0/3.5	DP-3/SS-5	NA	NA					8.0 to 11.5 - Soft brown sandy CLAY, w/ grey mottle, moist.	
9										
10		DP-3/SS-6	NA	NA						
11										
12										

1" ID Sch. 40
PVC Riser

REMARKS:



Date Started : 7/3/06
 Date Completed : 7/3/06
 Logged by : S. Sojda
 Reviewed by : R. Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Geoprobe
 Sampling Method : Direct Push
 Total Depth (ft.) : 20.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING P-7

(Page 2 of 2)

Temporary Piezometer Installation
 Nivison Property
 601 3rd St., Reading OH

Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
 PID/FID Model : NA
 PID/FID Calibration : NA
 Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION	Piezometer: P-7 Elev.:
							Sampled Interval	Sample sent to lab.	Static	During Drilling		
12	4.0/1.5	DP-4/SS-7	NA	NA							12.0 to 13.5 - Soft brown sandy CLAY, w/ few gravels, moist.	
13												
14		DP-4/SS-8	NA	NA								
15												
16	4.0/4.0	DP-5/SS-9	NA	NA							16.0 to 18.5 - Loose grey SAND, wet.	
17												
18		DP-5/SS-10	NA	NA								
19											18.5 to 20.0 - Soft grey CLAY, moist.	
20											EOB @ 20.0'.	
21												
22												
23												
24												

REMARKS:



Date Started : 7/3/06
Date Completed : 7/3/06
Logged by : S. Sojda
Reviewed by : R. Ordeman
Drilling Contractor : Tiger Probe
Drilling Method : Geoprobe
Sampling Method : Direct Push
Total Depth (ft.) : 6.0
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING P-8

(Page 1 of 1)

Temporary Piezometer Installation
Nivison Property
601 3rd St., Reading OH

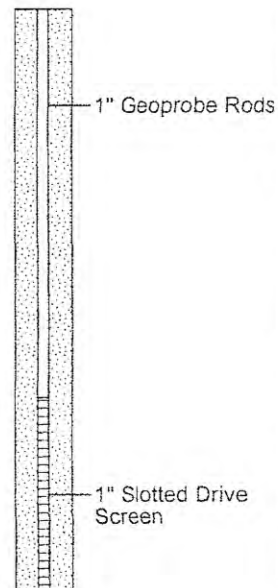
Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
PID/FID Model : NA
PID/FID Calibration : NA
Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION
							Sampled Interval	Sample sent to lab.	Static	During Drilling	
0	2.0/1.0	DP-1/SS-1	NA	NA							0.0 to 0.3 - Concrete.
1											0.3 to 1.0 - Loose brown SAND and GRAVEL, moist, fill.
2	2.0/2.0	DP-2/SS-2	NA	NA							2.0 to 4.0 - Soft to loose brown SAND and GRAVEL, w/ few clay, very moist to wet.
3											
4	2.0/2.0	DP-3/SS-3	NA	NA							4.0 to 6.0 - Same As Above (SAA): wet.
5											
6											EOB @ 6.0'
7											
8											
9											
10											
11											
12											

Piezometer: P-8
Elev.:



REMARKS:

2' Slotted drive screen used to collect water sample.

Date Started : 7/3/06
 Date Completed : 7/3/06
 Logged by : S. Sojda
 Reviewed by : R. Ordeman
 Drilling Contractor : Tiger Probe
 Drilling Method : Geoprobe
 Sampling Method : Direct Push
 Total Depth (ft.) : 6.0
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING P-9

(Page 1 of 1)

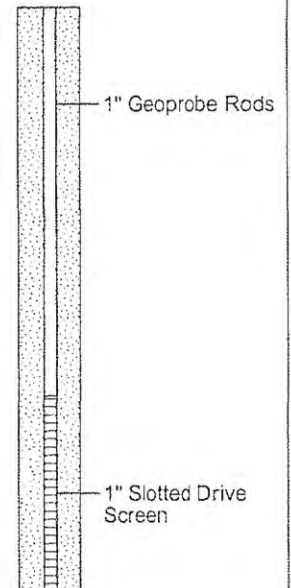
Temporary Piezometer Installation
 Nivison Property
 601 3rd St., Reading OH

Project Number: REA003

Project Manager: Rick Ordeman

G. Elev. (ft. USGS) :
 PID/FID Model : NA
 PID/FID Calibration : NA
 Drum Label ID :

Depth in Feet	Sample Interval/ Sample Recovery	Sampler Type/ Sample Number	PID / FID (ppm)	Blow Count (6"-6"-6"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	DESCRIPTION	Piezometer: P-9 Elev.:
							<input checked="" type="checkbox"/> Sampled Interval <input checked="" type="checkbox"/> Sample sent to lab.	<input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling		
0	2.0/1.7	DP-1/SS-1	NA	NA					0.0 to 0.3 - Concrete.	
1									0.3 to 1.7 - Loose brown SAND and GRAVEL, moist, fill.	
2	2.0/1.0	DP-2/SS-2	NA	NA					2.0 to 3.0 - Soft brown sandy CLAY, moist.	
3										
4	2.0/2.0	DP-3/SS-3	NA	NA					4.0 to 6.0 - Loose brown SAND and GRAVEL, wet.	
5										
6									EOB @ 6.0'	
7										
8										
9										
10										
11										
12										



REMARKS:

2" Slotted drive screen used to collect water sample.

EDG ENVIRONMENTAL BORING LOGS



City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-23

General Site Location: : 610 Third Street
State: : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 80
Weather: : Sunny
Location on the Site: :
Methods: : Direct Push Technology
Rig: : 54 LT
Hole Diameter: : 2"

Sample & Size: : 1" x 48"
Drilling Co.: : Tiger Probe
Driller(s): : Tim S.
Logged By: : SEV
Date Started: : 8/4/04
Date Completed: : 8/4/04
Water Encountered at: : 16.5'
Water at Completion : NA
After ____ Hours : NA
Water was at: : NA

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels	PID (ppm)	Geoprobe: GP-23	
							Static Water Level During Drilling			
DESCRIPTION										
0							Topsoil, Grass (FILL) (0.2').			
0.5							Soft, Black, Clayey Silt, moist (0.2' - 0.4').	4.0		
1	GP-23	DT			NT		Soft, Brown, Sandy Silt (FILL), trace Clay, orange mottling, moist (0.4' - 1.2').			
1.5							Soft, Brown, Clay (FILL), brick, glass and coal fragments, moist (1.2' - 1.5').			
2							Loose, Brown, coarse Sand (FILL), trace Silt, brick fragments, clayey zone last 3", moist (1.5' - 2').	NT		
2.5	GP-23	DT	0' - 4'	1.9'	NT		No Recovery 2' - 4'.			
3							Very Soft, Brown, Sandy Silt (FILL), trace Gravel, coal fragments, drak gray infilled root casts, orange mottling, moist.	2.1		
3.5							No Recovery 6' - 8'.			
4							No Recovery 6' - 8'.			
4.5	GP-23	DT			NT		No Recovery 6' - 8'.			
5							No Recovery 6' - 8'.			
5.5							No Recovery 6' - 8'.			
6							No Recovery 6' - 8'.			
6.5							No Recovery 6' - 8'.			
7	GP-23	DT	4' - 8'	2.15'	NT		No Recovery 6' - 8'.	NT		
7.5							No Recovery 6' - 8'.			
8							No Recovery 6' - 8'.			
8.5							No Recovery 6' - 8'.			
9	GP-23	DT			NT		Very Loose, Brown, fine to medium Sand (FILL), trace Silt, concrete fragments, orange and dark brown mottling, moist to wet.	4.7		
9.5							No Recovery 10' - 12'.			
10							No Recovery 10' - 12'.			
10.5							No Recovery 10' - 12'.			
11	GP-23	DT	8' - 12'	2.0'	NT		No Recovery 10' - 12'.	NT		
11.5							No Recovery 10' - 12'.			
12							No Recovery 10' - 12'.			
12.5							Vey Loose, Brown, fine to medium Sand (FILL), trace Silt, orange mottling.	1.8		
13	GP-23	DT			NT		Very Soft, Light Gray, Silty CLAY, mottled orang/red/black, moist (Native).			
13.5							rownNo Recovery 14' - 16'.			
14							rownNo Recovery 14' - 16'.			
14.5							rownNo Recovery 14' - 16'.			
15	GP-23	DT	12' - 16'	1.6'	NT		rownNo Recovery 14' - 16'.	NT		
15.5							rownNo Recovery 14' - 16'.			
16							rownNo Recovery 14' - 16'.			
16.5							rownNo Recovery 14' - 16'.			
17	GP-23	DT			NT		Loose, Brown, medium to coarse, SAND and fine to coarse GRAVEL, trace Silt, limestone fragments, wet.	1.6		
17.5							Loose, Brown, medium to coarse, SAND and fine to coarse GRAVEL, trace Silt, limestone fragments, wet.			
18							Loose, Brown, medium to coarse, SAND and fine to coarse GRAVEL, trace Silt, limestone fragments, wet.			
18.5							Loose, Brown, medium to coarse, SAND and fine to coarse GRAVEL, trace Silt, limestone fragments, wet.			
19	GP-23	DT	16' - 20'	1.0'	NT		No Recovery 18' - 19.5'.	NT		
19.5							Refusal at 19.5', Limestone fragment in shoe.			
20	Boring GP-23 terminated at 19.5'.									

Note: Boring Backfilled with 3/8" Bentonite Chips.



City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-24

General Site Location: : 610 Third Street
State: : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 80
Weather: : Sunny
Location on the Site: : UST Area
Methods: : Direct Push Technology
Rig: : 54 LT
Hole Diameter: : 2"

Sample & Size: : 1" x 48"
Drilling Co.: : Tiger Probe
Driller(s): : Tim S.
Logged By: : SEV
Date Started: : 7/28/04
Date Completed: : 7/28/04
Water Encountered at: : NA
Water at Completion : NA
After ____ Hours : NA
Water was at: : NA

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels	PID (ppm)	Geoprobe: GP-24
							<div><div>▼</div> Static Water Level</div> <div><div>▽</div> During Drilling</div>		
DESCRIPTION									
0							Topsoil		
0.5									
1	GP-24:0-2	DT			NT		Loose, Brown, fine, Sand (FILL), trace Clay, moist.	2.8	
1.5									
2							No Recovery 2' - 4'.		
2.5									
3	NS	DT	0' - 4'	1.0'	NT			NT	
3.5									
4									
4.5							Vey Loose, Brown fine Sand (FILL), trace Clay, moist.		
5	GP-24:4-6	DT			NT			3.3	
5.5									
6							No Recovery 6' - 8'.		
6.5									
7	NS	DT	4' - 8'	1.0'	NT			NT	
7.5									
8									
8.5							Vey Loose, Brown, fine Sand (FILL), trace Clay, moist.		
9	GP-24:8-10	DT			NT		Coarse Gravel (~2") at 9'.	2.9	
9.5							Vey Soft, Brown, Sandy Clay (FILL), trace roots, moist.		
10									
10.5							No Recovery 10' - 12'.		
11	NS	DT	8' - 12'	1.15'	NT			NT	
11.5									
12									
12.5							Very Soft, Brown, Sandy Clay (FILL), orange mottling, moist.		
13	GP-24:12-14	DT			NT		Concrete fragments in liner, Sand base at 13'.	3.7	
13.5							Crushed concrete at 13.5'.		
14									
14.5							No Recovery 14' - 16'.		
15	NS	DT	12' - 16'	2.0'	NT			NT	
15.5									
16									
16.5							Very Loose, Grayish Brown, very coarse SAND and GRAVEL, iron stained rock fragments (apparently limestone), moist to dry (~2") (Native).		
17	NS	DT	16' - 18'	0.5'	NT			NT	
17.5							Very Loose, Grayish Brown, coarse SAND and fine GRAVEL, iron stained rock fragments (apparently limestone), moist to dry. Refusal at 18'.		
18							Boring GP-24 terminated at 18'.		
18.5									
19									
19.5									
20									

</

Backfill: See Notes

Note: Boring Backfilled with 3/8" Bentonite Chips.



City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-25

General Site Location: : 610 Third Street
State: : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 80
Weather: : Sunny
Location on the Site: : UST Area
Methods: : Direct Push Technology
Rig: : 54 LT
Hole Diameter: : 2"

Sample & Size: : 1" x 48"
Drilling Co.: : Tiger Probe
Driller(s): : Tim S.
Logged By: : SEV
Date Started: : 8/4/04
Date Completed: : 8/4/04
Water Encountered at: : 17"
Water at Completion : NA
After ____ Hours : NA
Water was at : NA

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels	PID (ppm)	Geoprobe: GP-25
							<div><div>▼</div> Static Water Level</div> <div><div>▽</div> During Drilling</div>		
							DESCRIPTION		
0						<div><div></div><div></div></div>	Topsoil (0.2') Grass, roots.		
0.5						<div><div></div><div></div></div>			
1	GP-25:0.5-2	DT			NT	<div><div></div><div></div></div>	Loose, Brown, fine to medium Sand (FILL), trace Silt, trace Clay, orange mottling, moist.	1.9	
1.5									
2							No Recovery 2' - 4'.		
2.5									
3	NS	DT	0' - 4'	2.25'	NT			NT	
3.5									
4									
4.5						<div><div></div><div></div></div>	Loose, Dark Brown, medium to fine Sand, trace Silt, orange mottling, moist.		
5	GP-25:4-6	DT			NT	<div><div></div><div></div></div>	Silty zone at 5'.	1.9	
5.5									
6						<div><div></div><div></div></div>	Loose to Medium Dense, Brown, fine to medium Sand (FILL), trace Silt, trace Clay, trace Gravel, orange mottling, moist.		
6.5									
7	GP-25:6-8	DT	4' - 8'	2.85'	NT	<div><div></div><div></div></div>		1.3	
7.5									
8									
8.5									
9	GP-25:8-10	DT			NT	<div><div></div><div></div></div>		1.3	
9.5									
10							No Recovery 10' - 12'.		
10.5									
11	NS	DT	8' - 12'	2.4'	NT			NT	
11.5									
12						<div><div></div><div></div></div>	Loose to Medium Dense, Brownish Gray, fine Sand (FILL), trace to some Silt, moist.		
12.5	GP-25:12-14	DT			NT	<div><div></div><div></div></div>	Soft to Medium, Grayish Brown, Clayey Silt (FILL), trace Gravel, orange mottling, moist.	0.5	
13									
13.5							No Recovery 14' - 16'.		
14									
14.5									
15	NS	DT	12' - 16'	2.35'	NT			NT	
15.5									
16						<div><div></div><div></div></div>	Medium Dense, Gray, coarse Sand (FILL), crushed limestone, moist.		
16.5									
17	GP-25:16-18	DT			NT	<div><div></div><div></div></div>	Loose, Brown, coarse Sand and fine to coarse Gravel, trace Silt, trace Clay, wet.	1.0	
17.5						<div><div></div><div></div></div>			
18						<div><div></div><div></div></div>	Medium Dense, Dark Brown to Black, medium Sand, trace Silt, moist.		
18.5									
19	NS	DT	16' - 20'	2.2'	NT		Soft, Brown, Clayey SILT, trace Gravel, moist	NT	
19.5									
20									

Backfill: See Notes

Note: Boring Backfilled with 3/8" Bentonite Chips.
Boring GP-25 terminated at 19.8'.



City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-26

General Site Location: : 610 Third Street
State: : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 75
Weather: : Sunny
Location on the Site: :
Methods: : Direct Push Technology
Rig: : 54 LT
Hole Diameter: : 2"

Sample & Size: : 1" x 48"
Drilling Co.: : Tiger Probe
Driller(s): : Tim S.
Logged By: : SEV
Date Started: : 7/28/04
Date Completed: : 7/28/04
Water Encountered at: : 11'
Water at Completion : NA
After ____ Hours : NA
Water was at: : NA

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels	PID (ppm)	Geoprobe: GP-26
							▼ Static Water Level ▼ During Drilling		
							DESCRIPTION		
0							Asphalt		
0.5									
1	GP-26	DT			NT		Limestone Base; Loose, Dark Brown to Black, Clay to Sand sized material (FILL), coal fragments, moist.	3.1	
1.5									
2							Soft to Stiff, Brown, Clayey Silt, trace roots, orange and red mottling, organic root traces, moist.		
2.5									
3	NS	DT	0' - 4'	2.15'	NT		No Recovery 2' - 4'.	NT	
3.5									
4									
4.5									
5	GP-26	DT			NT		Stiff, Grayish Brown, Clayey SILT, trace Gravel, mottled red and black, moist.		
5.5									
6							Stiff, Brown, Silty CLAY, trace Sand, orange mottling, moist.	1.4	
6.5									
7							Stiff, Brown, Silty CLAY, some Sand, orange mottling, mottled black, moist.		
7.5	GP-26	DT	4' - 8'	3.6'	NT		Loose to Medium Dense, Brownish Gray, SAND, some Clay, orange mottling, moist.	2.2	
8									
8.5									
9	GP-26	DT			NT		Very Soft, Gray, CLAY, trace Silt, trace Sand, orange mottling, moist.	1.4	
9.5									
10									
10.5							Loose, Brown, SAND and GRAVEL, some Clay, moist to wet.		
11	GP-26	DT	8' - 12'	1.5'	NT		No Recovery 10' - 12'.	NT	
11.5									
12									
12.5									
13	NS	DT			NT		Medium Dense, Brown, medium to coarse SAND and GRAVEL, some Clay, wet.		
13.5									
14							Stiff to Very Stiff, Brown, Clayey SILT, moist.	0.9	
14.5									
15	GP-26	DT	12' - 16'	2.5'	NT		Very Stiff, Dark Gray, Clayey SILT, trace to some Gravel, mottled orange/red, moist to dry.	2.1	
15.5									
16							Boring GP-26 terminated at 16'.		
16.5									
17									
17.5									
18									
18.5									
19									
19.5									
20									

Backfill: See Notes

Note: Boring Backfilled with 3/8" Bentonite Chips capped with an asphalt patch.

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


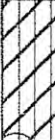
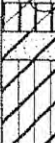
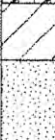
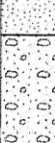



City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-27

General Site Location: : 610 Third Street
State: : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 70
Weather: : Sunny
Location on the Site: :
Methods: : Direct Push Technology
Rig: : 54 LT
Hole Diameter: : 2"

Sample & Size: : 1" x 48"
Drilling Co.: : Tiger Probe
Driller(s): : Tim S.
Logged By: : SEV
Date Started: : 7/28/04
Date Completed: : 7/28/04
Water Encountered at: : 12'
Water at Completion : NA
After ____ Hours : NA
Water was at: : NA

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels		PID (ppm)	Geoprobe: GP-27
							 Static Water Level	 During Drilling		
DESCRIPTION										
0							Asphalt.			
0.5							Limestone gravel.		2.6	
1	GP-27:0.5-2	DT			NT		Medium, Brown, Sand to Clay sized material FILL: Silty Clay, coal, slag, moist. 1' - 2', alternating layers of Silty Clay (FILL)			
1.5							Asphalt			
2							Silty Clay (FILL)		NT	
2.5							Stiff, Brown, Silty Clay (FILL), trace Gravel, moist.			
3	NS	DT	0' - 4'	2.15'	NT		Soft to Stiff, Brown, Silty CLAY, trace Gravel, trace Roots, mottled Dark Brown, moist.		2.2	
3.5							Stiff, Brown, Clayey SILT, trace Gravel, mottled red, moist.		1.6	
4							Soft, Brown, Sandy CLAY, moist.			
4.5	GP-27:4-6	DT			NT		Loose, Brown, medium SAND, some Clay, moist (7.5' - 8.5').		1.4	
5							Loose, Brown, medium SAND, some Clay, moist (8.5' - 9.0').			
5.5							Very Soft, Brown, Silty CLAY, trace Sand, plastic, moist.		0.6	
6							Soft, Brown, CLAY, trace Silt, moist.			
6.5	GP-27:6-8	DT	4' - 8'	4.0'	NT		Organic rich seam at 12'.		1.2	
7							Very Loose to Loose, Brown medium to coarse SAND and GRAVEL, trace to some Clay, wet.			
7.5							No Recovery 14' - 16'.		NT	
8										
8.5	GP-27:8-10	DT			NT					
9										
9.5										
10										
10.5										
11	GP-27:10-12	DT	8' - 12'	2.5'	NT					
11.5										
12										
12.5	GP-27:12-14	DT			NT					
13										
13.5										
14										
14.5										
15	NS	DT	12' - 16'	1.0'	NT					
15.5										
16										
16.5	Boring GP-27 terminated at 16'.									
17										
17.5										
18										
18.5										
19										
19.5										
20										

Boring GP-27 terminated at 16'.

Note: Boring Backfilled with 3/8" Bentonite Chips, capped with an asphalt patch.



General Site Location: : 610 Third Street

State: : Ohio

County: : Hamilton

City/Twp: : Reading

Temperature (F): : 75

Weather: : Sunny

Location on the Site: :

Methods: : Direct Push Technology

Rig: : 54 LT

Hole Diameter: : 2"

Sample & Size: : 1" x 48"

Drilling Co.: : Tiger Probe

Driller(s): : Tim S.

Logged By: : SEV

Date Started: : 7/28/04

Date Completed: : 7/28/04

Water Encountered at: : 6'

Water at Completion : NA

After ____ Hours : NA

Water was at: : NA

City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-28

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels	PID (ppm)	Geoprobe: GP-28
							Static Water Level During Drilling		
							DESCRIPTION		
0							Asphalt.		
0.5							Asphalt Base (crushed limestone).		
1	GP-28:0.5-2	DT			NT		Crushed Asphalt.	1.3	
1.5							Soft, Brown, Clayey Silt (FILL), trace Sand, moist.		
2							No Recovery 2' - 4'.	NT	
2.5									
3	NS	DT	0' - 4'	1.6'	NT				
3.5									
4									
4.5							Stiff, Brown, Silty CLAY, mottled gray, orange, and black, moist.		
5	GP-28:4-6	DT			NT		Soft, Brown, Sandy CLAY, mottled orange, moist.	1.5	
5.5									
6									
6.5							Loose, Brown, medium SAND, trace Clay, orange mottling, moist to wet.		
7	GP-28:6-8	DT	4' - 8'	3.4'	NT		Soft, Brown, Clayey SILT, orange and red mottling, moist.	1.4	
7.5									
8									
8.5									
9	GP-28:8-10	DT			NT		Loose to Medium Dense, Brown, medium SAND, some Gravel, trace to some Clay, moist.	1.3	
9.5									
10							No Recovery 10' - 12'.	NT	
10.5									
11	NS	DT	8' - 12'	1.0'	NT				
11.5									
12									
12.5							Stiff, Brownish Gray, Sandy SILT, trace Gravel, trace Clay, mottled red and orange, moist.		
13	GP-28:12-14	DT			NT		Stiff, Dark Gray, Sandy SILT, trace Gravel, mottle orange, moist.	1.2	
13.5									
14									
14.5							Loose to Medium Dense, Dark Gray, SAND some Silt, moist (1").		
15	GP-28:14-16	DT	12' - 16'	4.0'	NT		Stiff, Dark Gray, Clayey SILT, trace Gravel, trace Sand, trace Gravel (large), orange and red mottling, moist.	1.6	
15.5									
16							Boring GP-28 terminated at 16'		
16.5									
17									
17.5									
18									
18.5									
19									
19.5									
20									

Backfill: See Notes

Note: Boring Backfilled with 3/8" Bentonite Chips and capped with an asphalt patch.



City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-29

General Site Location: : 610 Third Street
State: : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 75
Weather: : Sunny
Location on the Site: : Inside Bid Btm of Ramp
Methods: : Direct Push Technology
Rig: : 54 LT
Hole Diameter: : 2"

Sample & Size: : 1" x 48"
Drilling Co.: : Tiger Probe
Driller(s): : Tim S.
Logged By: : SEV
Date Started: : 7/28/04
Date Completed: : 7/28/04
Water Encountered at: : 13.5'
Water at Completion : NA
After ____ Hours : NA
Water was at: : NA

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels	PID (ppm)	Geoprobe: GP-29
							▼ Static Water Level ▽ During Drilling		
DESCRIPTION									
0							Concrete and Base.		
0.5									
1	GP-29:0.5-2	DT			NT		Medium, Dark Brown, FILL: Silty Clay, Coal fragments.	1.1	
1.5							Brick in Liner.		
2									
2.5									
3	NS	DT	0' - 4'	2.0'	NT		Soft, Dark Brown, Clayey SILT, orange mottling, organic content increases with depth, moist.	NT	
3.5							No Recovery 2' - 4'.		
4									
4.5									
5	GP-29:4-6	DT			NT		Soft, Brown, Sandy CLAY, orange mottling, mottled black and dark brown, moist to wet.	1.5	
5.5									
6									
6.5									
7	GP-29:6-8	DT	4' - 8'	3.3'	NT		Very Soft, Brown, Clayey SILT, orange and dark brown mottling, moist.	2.1	
7.5									
8									
8.5									
9	GP-29:8-10	DT			NT		Stiff, Brown, Clayey SILT, trace Gravel, orange and dark brown mottling, moist (9' - 11').	1.2	
9.5									
10									
10.5									
11	GP-29:10-11.5	DT	8' - 12'	4.0'	NT		Stiff, Brown, Clayey SILT, trace Gravel, orange and dark brown mottling, moist (9' - 11').	1.3	
11.5									
12									
12.5									
13	GP-29:12-14	DT			NT		Stiff, Brown, Sandy CLAY, moist.	1.1	
13.5									
14									
14.5									
15	GP-29:14-16	DT	12' - 16'	3.4'	NT		Loose, Brown, medium SAND, trace to some Clay, orange staining, gray along microfractures, wet.	0.9	
15.5									
16									
16.5									
17									
17.5									
18									
18.5									
19									
19.5									
20									

Backfill: See Notes

Boring GP-29 terminated at 16'.

Backfill: See Notes

Boring GP-29 terminated at 16'.

Note: Boring Backfilled with 3/8" Bentonite Chips and capped with a concrete patch.



City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-30

General Site Location: : 610 Third Street
State: : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 70
Weather: : Sunny
Location on the Site: : Inside Bld Btm of Ramp
Methods: : Direct Push Technology
Rig: : 54 LT
Hole Diameter: : 2"

Sample & Size: : 1" x 48"
Drilling Co.: : Tiger Probe
Driller(s): : Tim S.
Logged By: : SEV
Date Started: : 7/27/04
Date Completed: : 7/27/04
Water Encountered at: : NA
Water at Completion : NA
After ____ Hours : NA
Water was at: : NA

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels	PID (ppm)	Geoprobe: GP-31
							Static Water Level During Drilling		
DESCRIPTION									
0							Concrete and Limestone gravel base.		
0.5	GP-30:0.5-2	DT			NT		Brick, coal and glass fragments.	0.9	
1							Soft, Dark Brown, Clayey SILT, trace Gravel, orange mottling along microfractures, moist.		
1.5							No Recovery 2' - 4'.		
2	NS	DT	0' - 4'	2.3'	NT			NT	
2.5									
3									
3.5	GP-30:4-6	DT			NT		Soft to Stiff, Brown, Clayey SILT, orange staining, mottled dark brown, organics along root casts, moist (4' - 5.5).	1.4	
4							Soft to Stiff, Gray, Clayey SILT, orange staining, mottled dark brown, organics along root casts, moist (5.5' - 6').		
4.5									
5	GP-30:6-8	DT	4' - 8'	4.0'	NT		Soft to Stiff, Gray, Silty CLAY, orange staining, mottled dark brown, red and orange/red, organic rich root casts, moist.	1.4	
5.5									
6									
6.5	GP-30:8-10	DT			NT		Soft to Stiff, Brownish Gray, Clayey SILT, trace Gravel, orange and red mottling, gray along microfractures, organic content increases with depth, moist..	1.2	
7									
7.5									
8	GP-30:10-12	DT	8' - 12'	3.0'	NT			1.7	
8.5									
9									
9.5	GP-30:12-14	DT			NT		Soft to Very Soft, Brownish Gray, Clayey SILT, trace Gravel, mottled orange/red, moist.	1.2	
10									
10.5									
11	GP-30:14-16	DT	12' - 16'	4.0'	NT			0.9	
11.5									
12									
12.5							Stiff, Gray, Clayey SILT, trace Sand, trace Gravel, orange mottling along microfractures.		
13							Boring GP-30 terminated at 16'.		
13.5									
14									
14.5									
15									
15.5									
16									
16.5									
17									
17.5									
18									
18.5									
19									
19.5									
20									

Backfill: See Notes

Note: Boring Backfilled with 3/8" Bentonite Chips and capped with a concrete patch.



City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-31

General Site Location : 610 Third Street
State : Ohio
County : Hamilton
City/Twp : Reading
Temperature (F) : 75
Weather : Sunny
Location on the Site : Inside Bld Btm of Ramp
Methods : Direct Push Technology
Rig : 54 LT
Hole Diameter : 2"

Sample & Size : 1" x 48"
Drilling Co. : Tiger Probe
Driller(s) : Tim S.
Logged By : SEV
Date Started : 7/26/04
Date Completed : 7/26/04
Water Encountered at : NA
Water at Completion : NA
After ____ Hours : NA
Water was at : NA

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels		PID (ppm)	Geoprobe: GP-31
							Static Water Level	During Drilling		
							DESCRIPTION			
0							Concrete (3"), Limestone gravel Base; FILL: Coal Fragments.			
0.5	GP-31:0.5-2	DT			NT		Soft to Stiff, Brown, Clayey SILT, trace Sand, orange staining, mottled red, gray along microfractures, moist (Native).		1.5	
1							No Recovery 2' - 4'.			
1.5										
2										
2.5										
3	NS	DT	0' - 4'	2.0'	NT				NT	
3.5										
4										
4.5										
5	GP-31:4-6	DT			NT		Soft, Brown, Clayey SILT, mottled dark brown, moist.		0.8	
5.5							Soft, Brown Clayey SILT, trace Sand, orange mottling, mottled dark brown, moist.			
6										
6.5										
7	GP-31:6-8	DT	4' - 8'	4.0'	NT		Soft, Brownish Gray, Silty CLAY, trace Gravel, orange mottling, mottled dark brown, moist.		1.5	
7.5										
8										
8.5										
9	GP-31:8-10	DT			NT		Soft, Brownish Gray, Clayey SILT, trace Gravel, orange mottling, mottled orange/red, moist.		1.0	
9.5										
10										
10.5										
11	GP-31:10-12	DT	8' - 12'	3.9'	NT				1.3	
11.5										
12										
12.5										
13	GP-31:12-14	DT			NT				0.8	
13.5										
14										
14.5										
15	GP-31:14-16	DT	12' - 16'	3.8'	NT				1.4	
15.5										
16							Loose, Brown, medium SAND, trace Gravel, moist (15.9' - 16'). Boring GP-31 terminated at 16'.			
16.5										
17										
17.5										
18										
18.5										
19										
19.5										
20										

Backfill: See Notes

Note: Boring Backfilled with 3/8" Bentonite Chips and capped with a concrete patch



City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-32

General Site Location: : 610 Third Street
State: : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 75
Weather: : Sunny
Location on the Site: : E. Transformer Cage
Methods: : Direct Push Technology
Rig: : 54 LT
Hole Diameter: : 2"

Sample & Size: : 1" x 48"
Drilling Co.: : Tiger Probe
Driller(s): : Tim S.
Logged By: : SEV
Date Started: : 7/29/04
Date Completed: : 7/29/04
Water Encountered at: : 11.5'
Water at Completion : NA
After ____ Hours : NA
Water was at: : NA

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels	PID (ppm)	Geoprobe: GP-32
							Static Water Level During Drilling		
DESCRIPTION									
0							Concrete		
0.5									
1	GP-32:0.5-2	DT			NT		FILL: Soft, Brown, Silt, trace Gravel, orange mottling, coal and limestone fragments, moist.	0.4	
1.5									
2							No Recovery 2' - 4'.		
2.5									
3	NT	DT	0' - 4'	1.8'	NT			NT	
3.5									
4									
4.5									
5	GP-32:4-6	DT			NT		Soft, Dark Brown, Clayey Silt (FILL): brick and coal fragments, orange mottling, moist.	0.3	
5.5									
6									
6.5									
7	GP-32:6-7.5	DT	4' - 8'	4.0'	NT		Soft, Brown, Clayey SILT to Silty CLAY, orange mottling, mottled dark brown and orange/red, organic rich root casts, moist.	0.2	
7.5									
8									
8.5									
9	GP-32:8-10	DT			NT			0.3	
9.5									
10									
10.5									
11	GP-32:10-12	DT	8' - 12'	3.2'	NT		Loose, Brown, fine to medium SAND, trace Silt, trace Clay, orange mottling, moist.	0.3	
11.5									
12									
12.5									
13	GP-32:12-14	DT			NT			0.3	
13.5									
14									
14.5									
15	GP-32:14-16	DT	12' - 16'	4.0'	NT		Stiff, Grayish Brown, Clayey SILT, trace Gravel, orange mottling, mottled orange/red, moist.	0.3	
15.5									
16									
16.5									
17	GP-32:16-18	DT			NT		Stiff, Dark Gray, Clayey SILT, trace Gravel, mottled orange/red, moist.	0.2	
17.5									
18									
18.5									
19	GP-32:18-20	DT	16' - 20'	4.0'	NT		Boring GP-32 terminated at 20'.	0.2	
19.5									
20									

Backfill: See Notes

Backfill: See Notes

Note: Boring Backfilled with 3/8" Bentonite Chips and capped with a concrete patch.



City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-35

General Site Location: : 610 Third Street
State: : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 75
Weather: : Sunny
Location on the Site: : E. Transformer Cage Nivison
Methods: : Direct Push Technology
Rig: : 54 LT
Hole Diameter: : 2"

Sample & Size: : 1" x 48"
Drilling Co.: : Tiger Probe
Driller(s): : Tim S.
Logged By: : SEV
Date Started: : 7/29/04
Date Completed: : 7/29/04
Water Encountered at: : 12.5'
Water at Completion : NA
After ____ Hours : NA
Water was at: : NA

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels	PID (ppm)	Geoprobe: GP-35
							<div><div></div> Static Water Level</div> <div><div></div> During Drilling</div>		
							DESCRIPTION		
0							Concrete (4"); Limestone Base.		
0.5	GP-35:0.5-2	DT					Soft, Brown, Clayey Silt (FILL), trace Gravel, orange mottling, mottled orange/red, black organic root casts, moist.	0.5	
1									
1.5									
2									
2.5									
3	GP-35:2-4	DT	0' - 4'	3.25'				0.9	
3.5									
4									
4.5							Glass and Coal fragments. Alternating Coal and Silty Clay (1" to 3" thick).		
5	GP-35:4-6	DT						0.2	
5.5									
6							Soft, Dark Brown, Clayey SILT, orange staining, mottled red/brown, moist (5.5' - 8.5').		
6.5									
7	GP-35:6-8	DT	4' - 8'	3.0'			Soft, Dark Brown, Clayey SILT, orange mottling, mottled dark reddish black, moist (8.5' - 9.5')	0.3	
7.5									
8									
8.5									
9	GP-35:8-9.5	DT						0.2	
9.5									
10							Stiff, Brownish Gray, Silty CLAY, orange mottling, mottled red/brown, moist.		
10.5									
11	GP-35:10-11	DT	8' - 12'	4.0'			Soft to Stiff, Dark Gray, Clayey SILT, trace Sand, orange mottling, moist.	0.4	
11.5									
12									
12.5							Loose, Brown, medium SAND, trace Clay, trace Silt, orange mottling, moist (12' - 12.5').		
13	GP-35:12-14	DT	12' - 14'	2.0'			Loose, Brown, medium SAND, trace Clay, trace Silt, orange mottling, wet (12.5' - 13.5').	0.4	
13.5									
14							Stiff to Very Stiff, Dark Gray, Silty CLAY to Clayey SILT, trace Gravel, moist. Refusal at 14'.		
14.5									
15									
15.5									
16									
16.5									
17									
17.5									
18									
18.5									
19									
19.5									
20									

Boring GP-35 terminated at 14'.

Note: Boring Backfilled with 3/8" Bentonite Chips and capped with a concrete patch.

02-04-
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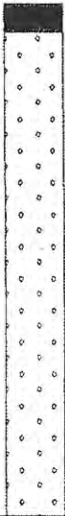






City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-36

General Site Location: : 610 Third Street
State: : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 80
Weather: : Sunny
Location on the Site: : E. Transformer Cage Nivison
Methods: : Direct Push Technology
Rig: : 54 LT
Hole Diameter: : 2"

Sample & Size: : 1" x 48"
Drilling Co.: : Tiger Probe
Driller(s): : Tim S.
Logged By: : SEV
Date Started: : 7/29/04
Date Completed: : 7/29/04
Water Encountered at: : 9'
Water at Completion : NA
After ____ Hours : NA
Water was at: : NA

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels	PID (ppm)	Geoprobe: GP-36
							Static Water Level During Drilling		
DESCRIPTION									
0							Concrete (4").		
0.5	GP-36:0.5-2	DT			NT		Soft to Stiff, Dark Brown, Clayey Silt (FILL), orange mottling, moist.	0.3	
1							Soft to Stiff, Dark Brown, Clayey Silt (FILL), concrete fragments, orange mottling, moist.		
1.5									
2	GP-36:2-4	DT	0' - 4'	2.5'	NT			0.6	
2.5									
3									
3.5	GP-36:4-6	DT			NT		Soft, Brown, Clayey SILT, orange mottling, mottled dark brown, moist.	0.3	Backfill: See Notes
4									
4.5									
5	NS	DT	4' - 8'	2.0'	NT		Loose, Brown, medium SAND, orange staining, moist.	NT	
5.5									
6									
6.5	GP-36:8-9	DT	8' - 9'	0.65'	NT		No Recovery 6' - 8'.	0.3	
7									
7.5									
8							Loose, Brown, medium SAND, orange staining, moist to wet.		
8.5							Refusal at 9'.		
9	Boring GP-36 terminated at 9'.								
9.5									
10									
10.5									
11									
11.5									
12									
12.5									
13									
13.5									
14									
14.5									
15									
15.5									
16									
16.5									
17									
17.5									
18									
18.5									
19									
19.5									
20									

Boring GP-36 terminated at 9'.

Backfill: See Notes

Note: Boring Backfilled with 3/8" Bentonite Chips.



City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-38

General Site Location: : 610 Third Street
State: : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 70
Weather: : Overcast
Location on the Site: : E of Rail Road on Vorheese
Methods: : Direct Push Technology
Rig: : 54 LT
Hole Diameter: : 2"

Sample & Size: : 1" x 48"
Drilling Co.: : Tiger Probe
Driller(s): : Eric
Logged By: : SEV
Date Started: : 7/30/04
Date Completed: : 7/30/04
Water Encountered at: : 12'
Water at Completion : NA
After ____ Hours : NA
Water was at: : NA

Geoprobe: GP-38

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels	PID (ppm)
							Static Water Level During Drilling	
DESCRIPTION								
0								
0.5								
1	GP-38:0.5-2	DT			NT		Stiff, Dark Brown, Clay to Silt sized FILL: coal fragments, orange mottling, mottled brown, moist.	0.2
1.5								
2								
2.5								
3	GP-38:2-4	DT	0' - 4'	3.3'	NT		Stiff, Brownish Gray, Silty CLAY to Clayey SILT, orange staining, mottled reddish brown, root casts, moist.	0.2
3.5								
4								
4.5								
5	GP-38:4-6	DT			NT		Stiff, Grayish Brown, medium SAND, trace to some Silt, trace Clay, orange staining, roots, root casts, mottled reddish brown layers, moist.	0.3
5.5								
6								
6.5								
7	GP-38:6-8	DT	4' - 8'	3.2'	NT			0.4
7.5								
8								
8.5								
9	GP-38:8-10	DT			NT		Stiff, Grayish Brown, medium SAND, trace to some Silt, trace Clay, orange staining, roots, root casts, mottled reddish brown layers, moist to wet.	0.3
9.5								
10								
10.5								
11	GP-38:10-12	DT	8' - 12'	3.0'	NT			0.7
11.5								
12							Clayey seam at 11.9'	
12.5								
13	GP-38:12-14	DT			NT		Very Loose, Brown, coarse SAND and fine SILT, trace Silt, trace Clay, wet.	0.5
13.5								
14								
14.5							Stiff to Very Stiff, Brownish Gray Sandy CLAY, trace Clay, mottled orange/red, moist	
15	GP-38:14-16	DT	12' - 16'	3.0'	NT		Very Stiff, Dark Gray to Gray, Clayey SILT, trace Sand, trace Gravel, orange/red mottles, moist.	0.4
15.5								
16							Boring GP-38 terminated at 16'	
16.5								
17								
17.5								
18								
18.5								
19								
19.5								
20								

Backfill: See Notes

Note: Boring Backfilled with 3/8" Bentonite Chips.


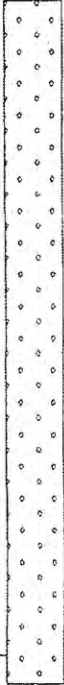



















City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-39

General Site Location: : 610 Third Street
State: : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 75
Weather: : Sunny - Overcast
Location on the Site: : E. of Rail Road on Vorheese
Methods: : Direct Push Technology
Rig: : 54 LT
Hole Diameter: : 2"

Sample & Size: : 1" x 48"
Drilling Co.: : Tiger Probe
Driller(s): : Eric
Logged By: : SEV
Date Started: : 7/30/04
Date Completed: : 7/30/04
Water Encountered at: : 11.5'
Water at Completion : NA
After ____ Hours : NA
Water was at: : NA

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels	PID (ppm)	Geoprobe: GP-39
							<div>Static Water Level</div> <div>During Drilling</div>		
0									
0.5	GP-39:0.5-2	DT			NT		Soft, Dark Brown, Silty Clay (FILL), roots, coal fragments, moist.	0.3	
1							Stiff, Brown, Silty CLAY, orange mottling, mottled brown/red, root casts, moist.		
1.5							Stiff, Brownish Gray, Silty CLAY, orange staining, mottled reddish brown, moist.		
2	GP-39:2-4	DT	0' - 4'	3.2'	NT			0.3	
2.5							Loose, Brownish Gray, medium SAND, orange mottling, mottled organic rich, moist.		
3							Loose to Medium Dense, Brownish Gray, fine SAND, trace Clay, orange mottling, moist to wet.		
3.5	GP-39:4-6	DT			NT		Loose, Grayish Brown, medium SAND, trace Clay, trace Silt, orange mottling, moist.	0.4	
4							Medium Dense, Brownish Gray, medium to coarse SAND, trace Silt, trace Clay, orange mottling, moist.		
4.5							Medium Dense, Brown, medium SAND, trace Silt, trace Clay, orange mottling, moist to wet.		
5	GP-39:6-8	DT	4' - 8'	3.2'	NT			0.4	
5.5							Medium Dense, Brown, medium SAND, trace Silt, trace Clay, orange mottling, moist to wet.		
6							Medium Dense, Brown, medium SAND, trace Silt, trace Clay, orange mottling, moist to wet.		
6.5	GP-39:8-10	DT			NT			0.4	
7							Medium Dense, Brown, medium SAND, trace Silt, trace Clay, orange mottling, moist to wet.		
7.5							Medium Dense, Brown, medium SAND, trace Silt, trace Clay, orange mottling, moist to wet.		
8	GP-39:10-12	DT	8' - 12'	4.0'	NT		Stiff, Dark Gray, Clayey SILT, moist.	0.6	
8.5							Loose, Brown, medium SAND, trace Clay, trace Silt, trace Gravel, orange mottling, moist to wet.		
9							Clayey zone, wet at 11.7'.		
9.5	Boring GP-39 terminated at 12'.								
10									
10.5									
11									
11.5									
12									
12.5									
13									
13.5									
14									
14.5									
15									
15.5									
16									
16.5									
17									
17.5									
18									
18.5									
19									
19.5									
20									

Backfill: See Notes

Note: Boring Backfilled with 3/8" Bentonite Chips.















City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-44

General Site Location: : 610 Third Street
State: : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 80
Weather: : Sunny
Location on the Site: : E. of Rail Road on Vorheese
Methods: : Direct Push Technology
Rig: : 54 LT
Hole Diameter: : 2"

Sample & Size: : 1" x 48"
Drilling Co.: : Tiger Probe
Driller(s): : Eric
Logged By: : SEV
Date Started: : 7/30/04
Date Completed: : 7/30/04
Water Encountered at: : 12'
Water at Completion : NA
After ____ Hours : NA
Water was at: : NA

Geoprobe: GP-44

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels	PID (ppm)
							 Static Water Level  During Drilling	
DESCRIPTION								
0								
0.5								
1	GP-44:0.5-2	DT			NT		Loose, Dark Brown, Silt to Clay sized material FILL: roots, coal and brick fragments, moist	1.2
1.5								
2								
2.5							No Recovery 2' - 4'.	
3	NS	DT	0' - 4'	2.3'	NT			NT
3.5								
4								
4.5								
5	GP-44:4-6	DT			NT		Soft, Dark Gray, Clayey Silt (FILL), trace Gravel, coal fragments, mottled dark brown to black, moist.	0.3
5.5								
6							Stiff, Dark Brown, Clayey SILT, orange mottling, moist.	
6.5								
7	GP-44:6-8	DT	4' - 8'	3.6'	NT		Stiff, Brown, Silty CLAY, trace Sand, orange mottling, mottled reddish brown, root casts, moist.	0.2
7.5								
8								
8.5							Stiff, Brownish Gray, Sandy CLAY, trace Silt, orange mottling, moist.	
9	GP-44:8-10	DT			NT			0.3
9.5								
10							Loose, Grayish Brown, medium SAND, orange mottling, wet to moist.	
10.5								
11	GP-44:10-12	DT	8' - 12'	4.0'	NT		Medium Dense, Brownish Gray, fine SAND, trace Silt, trace Clay, orange mottling, moist to wet.	0.4
11.5								
12							Stiff, Brownish Gray, Clayey SILT, orange mottling, moist.	
12.5								
13	GP-44:12-14	DT			NT		Very Loose to Loose, Grayish Brown, medium SAND, trace Silt, trace Clay, wet.	0.4
13.5								
14								
14.5								
15	GP-44:14-16	DT	12' - 16'	3.5'	NT			0.4
15.5							Loose, Brown, fine SAND, trace Clay, trace Silt, orange mottling, wet.	
16							Loose, Gray, medium SAND, trace Clay, trace Silt, moist to wet.	
16.5							Boring GP-44 terminated at 16'.	
17								
17.5								
18								
18.5								
19								
19.5								
20								

Backfill: See Notes

▽

Boring GP-44 terminated at 16'.

Note: Boring Backfilled with 3/8" Bentonite Chips.



City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-45

General Site Location: : 610 Third Street
State: : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 80
Weather: : Sunny
Location on the Site: : E. of Rail Road on Vorheese
Methods: : Direct Push Technology
Rig: : 54 LT
Hole Diameter: : 2"

Sample & Size: : 1" x 48"
Drilling Co.: : Tiger Probe
Driller(s): : Tim S.
Logged By: : SEV
Date Started: : 7/30/04
Date Completed: : 7/30/04
Water Encountered at: : 9'
Water at Completion : NA
After ____ Hours : NA
Water was at: : NA

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels	PID (ppm)	Geoprobe: GP-45
							▼ Static Water Level ▽ During Drilling		
							DESCRIPTION		
0							Dark Gray, Silt to Clay sized FILL: brick and coal fragments, mottled orange mottling, red/orange and red/brown, organic stained roots, moist.	0.8	
1	GP-45:0.5-2	DT			NT				
1.5									
2									
2.5							Stiff, Brownish Gray, Silty CLAY, trace Sand, orange mottling, mottled reddish brown, roots and root casts, moist.	0.4	
3	GP-45:2-4	DT	0' - 4'	3.3'	NT				
3.5									
4									
4.5							Stiff, Brownish Gray, Sandy CLAY, trace Silt, orange mottling, roots, organic stained root casts, moist.	0.4	
5	GP-45:4-6	DT			NT				
5.5									
6							Loose, Brownish Gray, medium SAND, roots, orange mottling, moist to wet.		
6.5									
7	GP-45:6-8	DT	4' - 8'	4.0'	NT		Loose, Brownish Gray, medium to fine SAND, trace Silt, trace Clay, orange mottling, moist to wet.	0.4	
7.5									
8							Stiff, Grayish Brown, Clayey SILT, orange mottling, moist.		
8.5									
9	GP-45:8-10	DT			NT		Loose, Brown, medium SAND, trace Silt, trace Clay, orange mottling, moist to wet (8' - 9').	0.5	
9.5									
10							Loose, Brown, medium SAND, trace Silt, trace Clay, orange mottling, wet (9' - 12').		
10.5									
11	GP-45:10-12	DT	8' - 12'	3.2'	NT			0.4	
11.5									
12	Boring GP-45 terminated at 12'.								
12.5									
13									
13.5									
14									
14.5									
15									
15.5									
16									
16.5									
17									
17.5									
18									
18.5									
19									
19.5									
20									

Backfill: See Notes

Note: Boring Backfilled with 3/8" Bentonite Chips.



City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
GP-46

General Site Location: : 610 Third Street
State: : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 70
Weather: : Overcast
Location on the Site: : Vorheese E. of Rail Road
Methods: : Direct Push Technology
Rig: : 54 LT
Hole Diameter: : 2"

Sample & Size: : 1" x 48"
Drilling Co.: : Tiger Probe
Driller(s): : Tim S.
Logged By: : SEV
Date Started: : 7/30/04
Date Completed: : 7/30/04
Water Encountered at: : 13.5'
Water at Completion : NA
After ____ Hours : NA
Water was at: : NA

Depth in feet	#	Type	From/ To (ft)	REC or RQD	Blow Count	GRAPHIC	Water Levels	PID (ppm)	Geoprobe: GP-46
							▼ Static Water Level ▽ During Drilling		
DESCRIPTION									
0									
0.5	GP-46:0.5-2	DT			NT		Soft, Dark Brown, Clay and Silt sized FILL: brick and coal fragments, moist.	0.4	
1							Soft, Brown, Silty CLAY, trace roots, orange mottling, mottled dark brown, moist.		
1.5	GP-46:2-4	DT	0' - 4'	3.1'	NT		Stiff, Grayish Brown, Silty CLAY, orange mottling, mottled reddish brown, dark gray root casts, moist.	0.5	
2									
2.5	GP-46:4-6	DT			NT		Loose, Brown, medium SAND, trace Clay, orange mottling, moist.	0.5	
3							Loose, Brown, fine SAND, trace to some Clay, orange mottling, moist to wet.		
3.5	GP-46:6-8	DT	4' - 8'	3.0'	NT		Loose, Grayish Brown, medium SAND, trace Clay, trace Silt, orange mottling, moist.	0.4	
4							Stiff, Gray, CLAY, trace Silt, orange mottling moist.		
4.5	GP-46:8-10	DT			NT		Loose, Brown, medium SAND, trace Clay, orange mottling, moist.	0.4	
5							Stiff, Brownish Gray, Silty CLAY, orange mottling, moist.		
5.5	GP-46:10-12	DT	8' - 12'	3.0'	NT		Loosed to Medium Dense, Brown, medium SAND, orange mottling, wet to moist (not fully saturated).	0.7	
6									
6.5	GP-46:12-14	DT			NT		Stiff, Dark Gray, Clayey SILT, trace Gravel, wood fragments, dark brown organics, moist to wet.	1.0	
7									
7.5	GP-46:14-16	DT	12' - 16'	3.8'	NT		Very Loose, Brown, coarse SAND and fine GRAVEL, trace Silt, trace Clay, wet. Rock at 14'	0.6	
8							Medium Dense, Gray, fine SAND, trace to some Silt, trace Clay, trace Gravel, orange mottling, moist.		
8.5	Boring GP-46 terminated at 16'.								
9									
9.5									
10									
10.5									
11									
11.5									
12									
12.5									
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14.5									
15									
15.5									
16									
16.5									
17									
17.5									
18									
18.5									
19									
19.5									
20									

Backfill: See Notes

Boring GP-46 terminated at 16'.

Note: Boring Backfilled with 3/8" Bentonite Chips.

e:\Reading\envmgmt\Boring Log\Nivison\GP-40 - GP-49\GP-46 BOR



General Site Location: : 610 Third St.
State: Ohio : Ohio
County: : Hamilton
City/Twp: : Reading
Temperature (F): : 80
Weather: : Sunny
Location on the Site: : E. of Rail Road Along Spur
Methods: : Hollow Stem Auger
Rig: : CME-75
Hole Diameter: : 8"

Sample & Size: : Split Spoon
Drilling Co.: : North Coast Drilling
Driller(s): : Bob Kearns and Matt
Logged By: : SEV
Date Started: : 9/1/04
Date Completed: : 9/3/04
Water Encountered at: : 11'
Water at Completion : NA
After ____ Hours : NA
Water was at: : NA

City of Reading
Nivison Property
Reading, Hamilton County, OH

EDG Project No. 620101
MW-7/SB-62

Water Levels

Static Water Level

During Drilling

Well: MW-7/SB-62
Elev.: 564.408

Well Construction Information

Riser Dia.: : 2"
Schedule: : 40
Material: : PVC
Lengths: : 1x10-3.65'
Total : 6.35'
Top Screen: 28"
Slot Size: : 0.010
Material: : PVC
Schedule: : 40
Length: : 10'
Diameter: : 2"
Btm. Screen 17'
Btm. Plug : 17'

NOTES

Flush Mount

Concrete Pad Size:
2' x 1.2' x 2'

Top of Pad:
565.398
Annular Seal Material:
Hydrated Bentonite
Chips

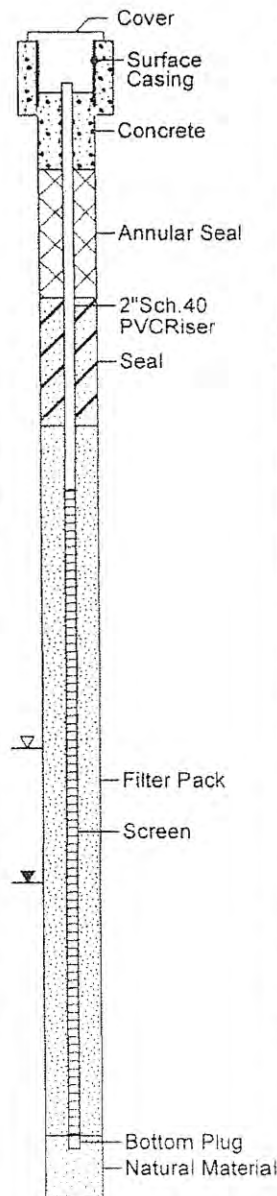
Top of Seal:
2 feet
Thickness:
2 feet

Material: Baroid 3/8"
Cetco Pellets

Top of Filter Pack:
2 feet

Filter Pack Size:
No. 5
Material: Global Silica
MW Sand

Bottom Filter Pack:
17 feet
Back Fill Material:
Well
Bottom Bore Hole:
17 feet



Depth
in
feet

#

Type

From/
To
(ft)

REC
or
RQD

Blow
Count

GRAPHIC

DESCRIPTION

PID
(ppm)

Loose, Dark Brown, Sandy Silt (FILL),
trace Large Gravel (from rail road
spur).

2.2

Loose, Dark Brown, Silt to Sand sized
FILL: brick fragments, glass, gravel,
moist.

3.1

Soft to Medium, Brown, Silty CLAY,
trace Gravel, red and orange staining
along fractures, dark gray infilled
fractures, moist.

5.9

Loose, Dark Gray, medium SAND,
trace Silt, trace Clay, red/orange
staining, moist to wet.

3.7

Very Loose to Loose, Brown, medium
SAND, trace Silt, trace Clay, orange
staining, moist to wet.

2.0

Very Loose to Loose, Brown, medium
to coarse SAND, trace Silt, trace Clay,
trace Gravel, moist.

2.1

Loose to Very Loose, Brown, coarse
SAND, trace to some fine Gravel, trace
Silt, trace Clay, wet (13.5' - 15').

1.7

Loose to Very Loose, Brown, coarse
SAND, trace to some coarse Gravel,
trace Silt, trace Clay, wet (15' - 15.5').

1.5

Medium Dense, Brown, medium SAND
trace Silt, trace Clay, orange staining,
wet.

Loose to Medium Dense, Brown,
medium SAND, trace Silt, trace Clay,
trace Gravel, orange staining, wet.

Boring SB-62 terminated at 18'.

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

4/1/2019 1:18:07 PM

in

Case No(s). 16-0253-GA-BTX

Summary: Exhibit Exhibit R7 part 2 on behalf of City of Reading electronically filed by Mr. DAVID T STEVENSON on behalf of CITY OF READING