

Transmitted via E-mail

Peter Quackenbush
Michigan Department of Environmental Quality, RMD
525 West Allegan Street
Constitution Hall, North Atrium
Lansing, MI 48909-7741

ENVIRONMENT

Subject:

Quarterly Progress Report – 3rd Quarter 2011
Lansing Plants 2, 3, and 6 Industrial Land
USEPA I.D.s MID980700827 and MID005356928
2801 West Saginaw St, 2800 West Saginaw St, and 401 Verlinden St.
Lansing, Michigan

Date:
October 14, 2011

Contact:
Amy Hoeksema

Dear Mr. Quackenbush:

Phone:
810.225.1911

ARCADIS is submitting this Quarterly Progress Report on behalf of Revitalizing Auto Communities Environmental Response Trust (RACER Trust) for the Lansing Plants 2, 3, and 6 Sites in Lansing, Michigan (the Sites). This Quarterly Progress Report covers the period of July 1, 2011 through September 30, 2011. The following briefly summarizes the data collected, work performed, problems encountered, project schedule, and estimated percent complete for various activities. The activities performed were completed in accordance with the Resource Conservation and Recovery Act Facility Investigation (RFI) Work Plan, the Quality Assurance Project Plan (QAPP), and Field Sampling Plan (FSP), each dated August 5, 2011.

Email:
Amy.Hoeksema@arcadis-us.com

Our ref:
B0064479
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Data Collected During the 3rd Quarter of 2011

The following samples were collected during the 3rd Quarter of 2011. It should be noted that as of the end of the 3rd quarter 2011 no validated data was yet available to include in this report:

- Plant 2: A total of 4 permanent monitoring wells were installed at Plant 2 between July 19 and July 22, 2011. Between August 26 and September 8, 2011 a total of 11 temporary wells and 39 soil borings were completed. From this a total of 126 soil samples and 10 groundwater samples were collected for analysis. In general, the analysis completed consisted of Target Compound List (TCL) VOCs, TCL SVOCs, Target Analyte List (TAL) Metals and Polychlorinated Biphenyls (PCBs). In addition, one sample of Light Non-

Imagine the result

Aqueous Phase Liquid (LNAPL) was collected from Plant 2 and analyzed for TCL VOCs and PCBs. Refer to the RFI Work Plan for a full list of analysis.

- Plant 3: A total of 39 soil borings and 3 temporary monitoring wells were completed at Plant 3 between August 8, 2011 and August 25, 2011. From this a total of 104 soil samples and 3 groundwater samples were collected for analysis. In general the analysis completed consisted of TCL VOCs, TCL SVOCs, TAL Metals and PCBs. Refer to the RFI Work Plan for a full list of analysis.
- Plant 6: A total of 44 soil borings, 1 permanent monitoring well and 17 temporary monitoring wells were completed at Plant 6 between July 25, 2011 and August 10, 2011. From this a total of 107 soil samples and 17 groundwater samples were collected for analysis. In general the analysis completed consisted of TCL VOCs, TCL SVOCs, TAL Metals and PCBs. Refer to the RFI Work Plan for a full list of analysis.

Work Performed During the 3rd Quarter of 2011

- On July 7, 2011 ARCADIS awarded the surveying contract for the RFI Geodetic Design Inc., located in Lansing, MI. The Surveyors located and staked 124 soil boring locations and 5 monitoring well locations between July 14 and 15, 2011.
- On July 8, 2011, MDEQ approved the revised RFI Matrix Updates, dated June 22, 2011.
- On July 18, 2011 ARCADIS awarded the drilling contract for completion of the Phase I soil boring and well installation program to MATECO Drilling Company of Rockford, MI. MATECO completed the following scope between July 19, 2011 and September 8, 2011.
 - 39 soil borings and 4 permanent monitoring wells were installed at Plant 2 between August 25 and September 8, 2011.
 - 39 soil borings were completed at Plant 3 between August 8 and August 25, 2011
 - 44 soil borings and one permanent monitoring well was installed at Plant 6 between July 19 and August 10, 2011
- All samples collected from the investigation were submitted to Merit Laboratories in East Lansing, Michigan. In general soil and water samples were analyzed for TCL VOCs, TCL SVOCs, TAL metals and PCBs.

- On July 29, 2011 MATECO completed a Ground Penetrating Radar (GPR) search on Plant 2 at AOI 2-39 Fuel Oil Pump House and Tank Farm to confirm the former USTs were removed prior to drilling commencing at this location. No USTs were found.
- The RFI Work Plan, QAPP and FSP were submitted to the MDEQ on August 5, 2011.
- On September 1, 2011 ARCADIS discovered LNAPL in temporary monitoring well P2-SB-37 at Plant 2. ARCADIS measured an LNAPL thickness of 0.8-feet of free product.
- On September 6, 2011 ARCADIS collected a sample of the LNAPL from temporary monitoring well P2-SB-37 and submitted the sample to Merit Labs for analysis of TCL VOCs and PCBs.
- Between September 19 and 20, 2011 ARCADIS completed a well inventory and gauging event on the existing groundwater monitoring wells at each of the Plants. The purpose of this event was to locate and verify what monitoring wells are still present on the properties and which could be included into the Groundwater Monitoring event scheduled to begin during the 4th quarter of 2011. During this inventory and gauging event, 3-feet of LNAPL was discovered in an existing monitoring well at Plant 3. This well is located among a cluster of wells near the former Building 301 underground storage tank (UST) Tank farm and no information is available on this well.
- On September 23, 2011, Merit provided ARCADIS with the analytical results from the LNAPL sample collected at P2-SB-37. The analytical results reported the presence of PCBs in the LNAPL.
- On September 26, 2011, ARCADIS received written approval from the MDEQ on the RFI Work Plan, FSP and QAPP submitted on August 8, 2011.

Problems Encountered

- At Plant 2 soil boring P2-SB-29 met refusal prior to being completed down to its targeted depth.
- At Plant 6 soil borings P6-SB-4, P6-SB-11 and P6-SB-42 met refusal prior to being completed down to their targeted depths.

- The following borings did not have a dry weight sample collected during sampling, therefore they could not be corrected for total solids;
 - P6-SB-30
 - P6-SB-31
 - P6-SB-32
 - P6-SB-33
 - P6-SB-41
 - P6-SB-42
 - VEW-5

Project Schedule – Near-Term Milestone Activities Anticipated During the Next Quarter

- Groundwater monitoring of the existing wells, and the 5 newly installed wells at Plants 2 and 6 began the week of October 3, 2011 and will conclude the week of October 17, 2011. A total of 7 wells will be sampled at Plant 2; 18 wells will be sampled at Plant 3; and total of 18 wells will be sampled at Plant 6 (43 wells total). All wells will be sampled and analyzed according to the approved RFI Work Plan, QAPP and FSP. In addition to the groundwater monitoring, Free-Product Bail-Down tests will be completed at P2-SB-37 and the newly discovered well at Plant 3 Building 301 UST Farm. A sample of the LNAPL will also be collected from the newly discovered well at Plant 3 and submitted for analysis of Total Petroleum Hydrocarbon (TPH) compound 5 (C-5) through compounds 34 (C-34) and PCBs.
- A Public Involvement Plan (PIP) will be completed and submitted to the MDEQ by October 31, 2011.
- Data validation and evaluation of the analytical data from the RFI are scheduled to be completed during the 4th quarter of 2011. An executive summary detailing the findings and conclusions is scheduled to be submitted to the MDEQ by December 31, 2011.
- The RFI Work Plan Matrix Addendum for Phase II investigation activities will be completed and submitted to MDEQ during the 1st quarter of 2012.
- Phase II investigation activities are planned to begin during the 2nd quarter of 2012.

Estimated percent complete per remediation cost estimate tables

Task	Task Description	Completed By	Percent Completed
Task 1	Work Plans Investigation, Reporting		30
	Work Plan, QAPP, FSP	08/25/11	100
	Phase II Work Plan Implementation	2Q 2012	0
	Site Risk Assessment	4Q 2012	0
	RI/RFI Report	TBD	0
	Quarterly Reports	2020	6 of 40
	EI 725 Report	01/02/2014	0
	EI 750 Report	01/02/2015	0
Task 2	Corrective Measures Reporting / RAP	12/31/2015	
Task 3	Free Product Recovery System Install/LTM Wells Install	TBD	0
Task 4	Free Product Recovery Systems OMM	TBD	0
Task 5	In-Situ Groundwater Treatment Implementation	TBD	0
Task 6	Groundwater Monitoring	TBD	0
Task 7	RCRA Cap	TBD	0
Task 8	RCRA Cap OMM	TBD	0
Task 9	Well and System Abandonment	TBD	0

Notes:

- TBD – To Be Determined

If you have any questions, please call me.
Sincerely,

ARCADIS

Amy L. Hoeksema, C.P.G.
Project Manager

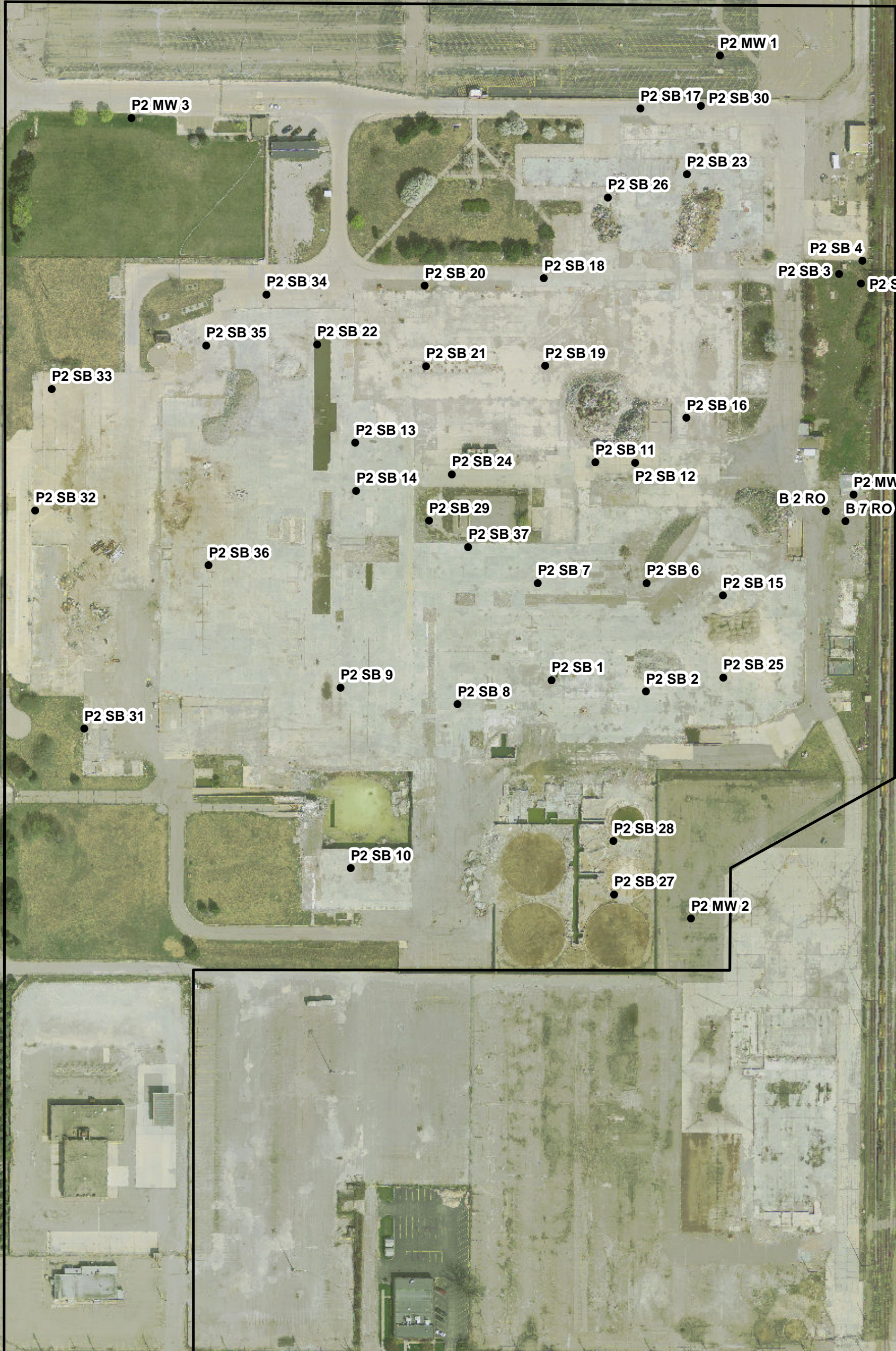
Attachments:

Figure 1– Plant 2 Boring Locations
Figure 2 – Plant 3 Boring Locations
Figure 3 - Plant 6 Boring Location
Boring Logs – Plant 2
Boring Logs – Plant 3
Boring Logs – Plant 6

Copies:

Joe Rogers (MDEQ)
John McCabe (MDEQ)
Deborah R. Mackenzie-Taylor (MDEQ)
Leonard Lipinski (MDEQ)
Grant Trigger (RACER)
Dave Favero (RACER)

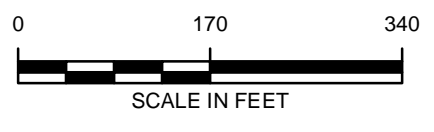
Figures



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• SOIL BORINGS

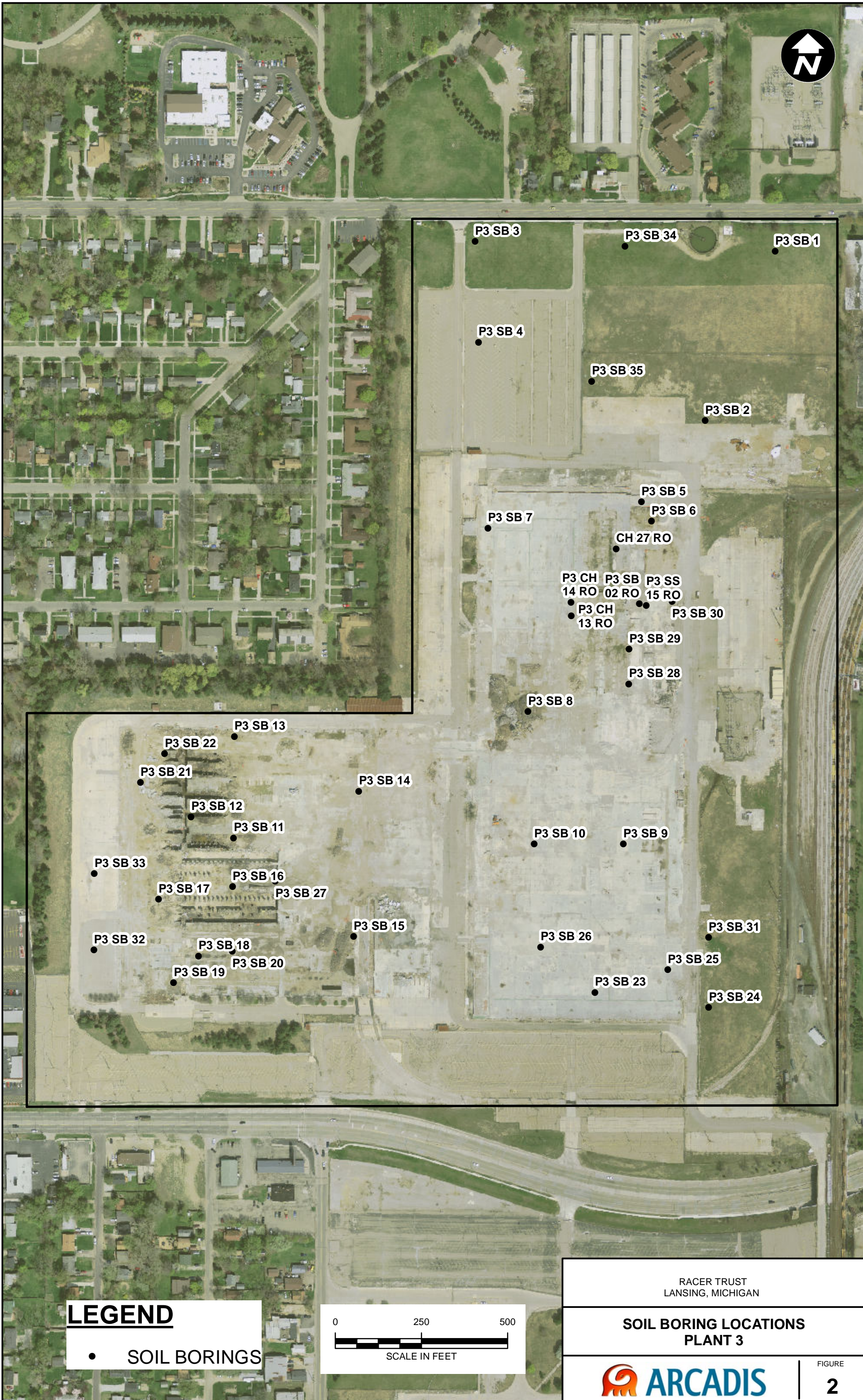


RACER TRUST
LANSING, MICHIGAN

SOIL BORING LOCATIONS PLANT 2



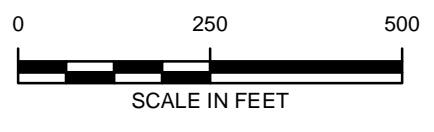
FIGURE
1



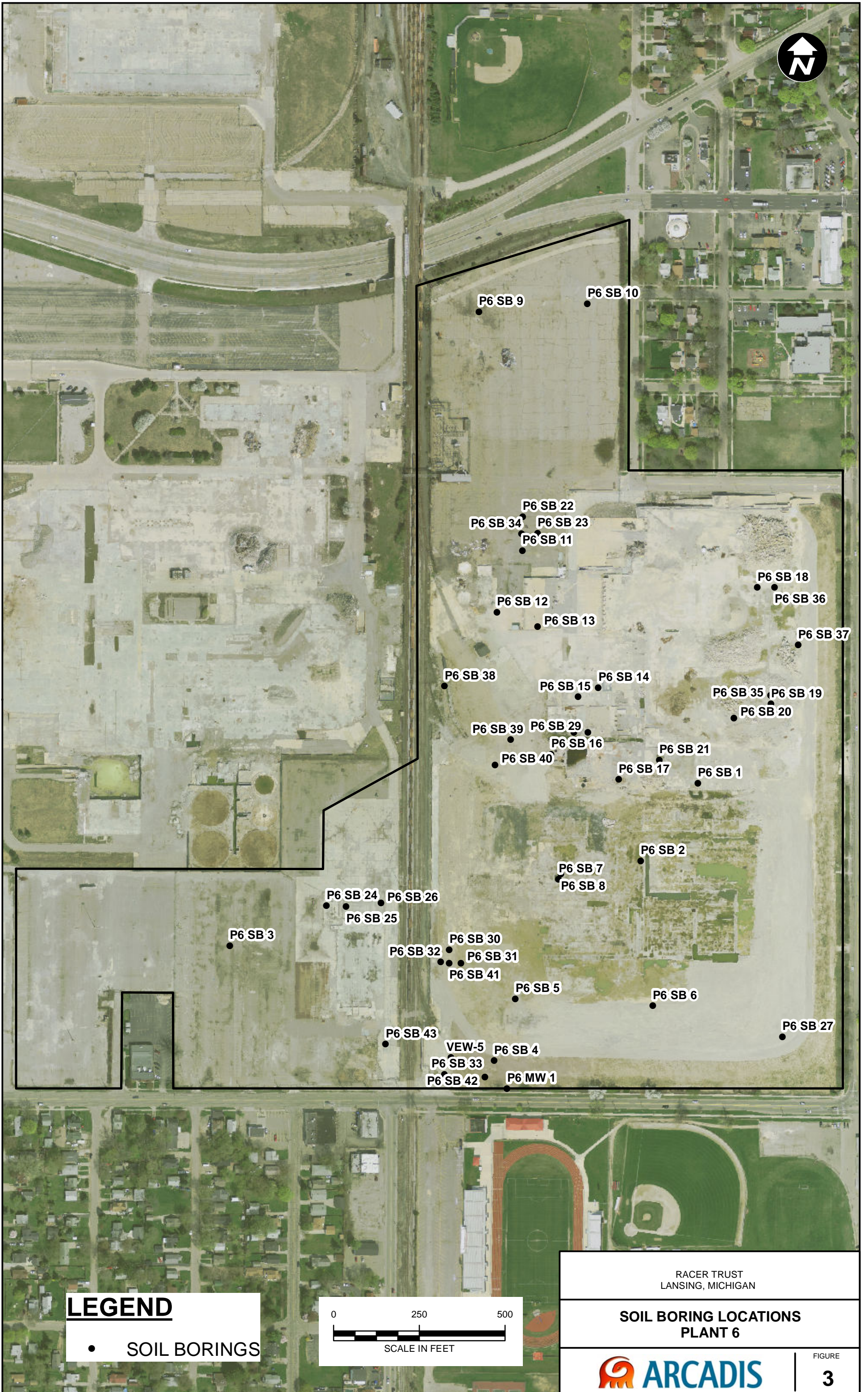
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● SOIL BORINGS

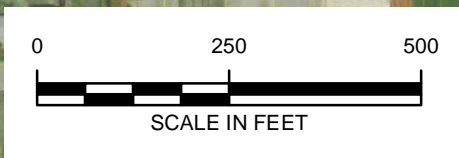


RACER TRUST LANSING, MICHIGAN	
SOIL BORING LOCATIONS PLANT 3	
	FIGURE 2



LEGEND

• SOIL BORINGS



RACER TRUST LANSING, MICHIGAN	
SOIL BORING LOCATIONS PLANT 6	
	FIGURE 3

Boring Logs

Plant 2


Date Start/Finish: 9/8/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: B-2-RO Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) ASPHALT	
		1	(0-3)	3	204.8	X		(0.5-12) SAND, fine, trace small to medium pebbles, subround; well sorted; moist; dark gray (10YR 3/1) NOTE: strong odor.	
					109.3				
					25.1				
		2	(3-8)	3	24.4				
					10.2				
					5.1				
					1.3				
-10	-10	3	(8-13)	4	0.1			(12-20) CLAY, and silt, medium plasticity; trace small to large pebbles, subround; dry to moist; medium stiff to stiff; gray (10YR 5/1).	
					0.8				
					0.8				
-15	-15	4	(13-18)	5					

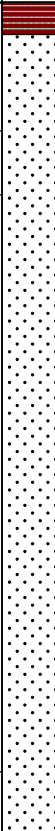
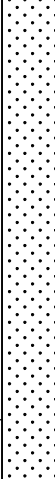
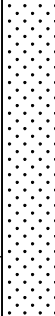

	Remarks: BGS = Below ground surface Groundwater not encountered. No staining observed. Poor recovery 0-8' bgs.
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Date Start/Finish: 9/8/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: B-2-RO Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.8				
20	-20	5	(18-20)	2	0.7	X			
								End of boring at 20' bgs	
25	-25								
30	-30								
35	-35								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No staining observed. Poor recovery 0-8' bgs.
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Date Start/Finish: 9/8/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: B-7-RO Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction	
0	0							(0-0.5) ASPHALT		
		1	(0-3)	3	1.5			(0.5-13) SAND, fine, well sorted, dry to moist; yellowish brown (10YR 4/6) NOTE: fill.		
					3.1	X				
					8.1					
					6.3					
-5	-5	2	(3-8)	4	1.8			NOTE: odor, color change to gray (10YR 5/1) to dark gray (10YR 3/1) at 6' bgs.		
					8.3					
					1.9					
					5.6					
-10	-10	3	(8-13)	3.5	1.7			(13-14.5) CONCRETE		
					2.3					
					4.9	X				
					33.1					
-15	-15				13.3			(14.5-20) CLAY, and silt, medium plasticity; trace small to large pebbles, subround; dry; medium stiff to stiff; gray (10YR 5/1).		
					11.8					

Borehole backfilled with bentonite

Remarks: BGS = Below ground surface
 Groundwater not encountered.
 No staining observed.
 Shake test negative 12-13' bgs.



Date Start/Finish: 9/8/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: B-7-RO Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20	4	(13-20)	7	2.4			End of boring at 20' bgs	
					1.1				
					0.7				
					0.8				
					0.6	X			

	Remarks: BGS = Below ground surface Groundwater not encountered. No staining observed. Shake test negative 12-13' bgs.
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Date Start/Finish: 7/20/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 48' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-MW-1 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0				2.4			(0-2) TOPSOIL, gravel, small to large pebble, subround to subangular; some sand, coarse, poorly sorted; moist; very dark grayish brown (10YK 3/2).	<p>Sand pack (0-1' bgs)</p> <p>Bentonite (1-29' bgs)</p>
		1	(0-5)	0	NA		(2-5) No recovery; vaxcavated. NOTE: perched water within first 5' bgs		
5	-5	2	(5-8)	4	1.7 6.2 0.8 11.9		(5-10.5) CLAY, high plasticity; some sand, little silt, trace small to large pebbles, subround; moist; soft; dark grayish brown (10YR 4/2). NOTE: poor recovery from 8-13' bgs		
		3	(8-18)	4	0.6 0.0 1.6 0.9 9.7		(10.5-11.5) SAND, medium, trace granule, subround; trace silt; well sorted; moist to wet; dark yellowish brown (10YR 4/4). (11.5-17.5) SAND, very fine, trace silt, subround to subangular; well sorted; moist to wet; dark grayish brown (10YR 4/2).		

	Remarks: BGS = Below ground surface Hand cleared and vaxcavated to 5' bgs Groundwater encountered at 33.91' bgs No odor or staining observed
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Date Start/Finish: 7/20/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 48' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-MW-1 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
-20	-20	4	(18-23)	4.5	7.6			(17.5-30) SILT, low plasticity; trace sand, little clay, trace small to very large pebbles, subround to subangular; very dark grayish brown (10YR 3/2).	
					0.2				
					0.0				
					10.9				
					14.1				
					0.4				
-25	-25	5	(23-28)	5	1.5				
					4.7				
					7.5				
					5.4				
-30	-30	6	(28-33)	4.5	3.3			(30-48) SILT, low plasticity; trace sand, little clay, trace small to very large pebble, subround to subangular; moist to wet; very dark grayish brown (10YR 3/2).	
					1.8				
					0.0				
					0.0				
					0.0				
					0.0				

	Remarks: BGS = Below ground surface Hand cleared and vaxcavated to 5' bgs Groundwater encountered at 33.91' bgs No odor or staining observed
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Date Start/Finish: 7/20/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 48' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-MW-1 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
		7	(33-38)	5	0.1				
					0.2				
					0.1				
					0.0				
-40	-40	8	(38-43)	NA	0.0				
					0.0				
					0.0				
-45	-45	9	(43-48)	NA	0.0				
					0.0				
					2.3				
					0.3				
								End of boring at 48' bgs	
-50	-50								



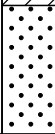

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Hand cleared and vaxcavated to 5' bgs Groundwater encountered at 33.91' bgs No odor or staining observed
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Date Start/Finish: 7/22/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 43' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-MW-2 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) Asphalt	
		1	(0-5)	0	NA	X		(0.5-5) No recovery, vaxcavated.	Sand pack (0-1' bgs)
5	-5	2	(5-8)	3	0.0			(5-10) CLAY, medium plasticity; some silt, trace sand, trace small to very large pebbles, subrounded to subangular; moist; stiff; mottled; yellowish brown (10YR 5/6).	
					0.6				
					0.1				
					0.0				
10	-10	3	(8-13)	5	0.1			(10-24) CLAY, medium plasticity; little silt, trace small to medium pebbles, trace very large pebbles, subrounded to subangular; moist to dry; stiff; dark gray (10YR 4/1).	
					0.0				
					0.0				
					0.3				
					0.3				
15	-15	4	(13-18)	5	0.4				Bentonite (1-29' bgs)

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Hand cleared and vaxcavated to 5' bgs Groundwater encountered at 31' bgs No odor or staining observed
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Date Start/Finish: 7/22/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 43' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-MW-2 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20	5	(18-23)	5	0.9				
					0.8				
					0.1				
					0.4				
					0.5				
					0.8				
					0.6				
					0.4				
25	-25	6	(23-28)	5	0.1			(24-29) CLAY, medium plasticity; little silt, trace small to medium pebbles, trace very large pebbles, subrounded to subangular; dry to moist; stiff; dark gray (10YR 4/1).	2" Sch 40 PVC riser (0-31' bgs)
					0.0				
					0.5				
					0.7				
					0.1			NOTE: change to higher plasticity, medium stiff to soft at 28' bgs.	
30	-30	7	(28-33)	4.5	1.8			(29-31) SAND, very fine to fine, subrounded to subangular; little silt; well sorted; moist; light brownish gray (10YR 6/2).	
					6.8				
					11.8			(31-43) CLAY, and silt, medium to high plasticity; wet; very soft; gray (10YR 5/1).	Sand pack (29-43' bgs)
								NOTE: poor recovery from 33-38' bgs.	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Hand cleared and vaxcavated to 5' bgs Groundwater encountered at 31' bgs No odor or staining observed
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Date Start/Finish: 7/22/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 43' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-MW-2 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
		8	(33-38)	0	NA				<p>2" Sch 40 PVC, 10 slot well screen (31-41' bgs)</p>
					0.0				
40	-40				0.1				
		9	(38-43)	5	0.2				
					0.1				
					0.3				
								End of boring at 43' bgs	
45	-45								
50	-50								

	Remarks: BGS = Below ground surface Hand cleared and vaxcavated to 5' bgs Groundwater encountered at 31' bgs No odor or staining observed
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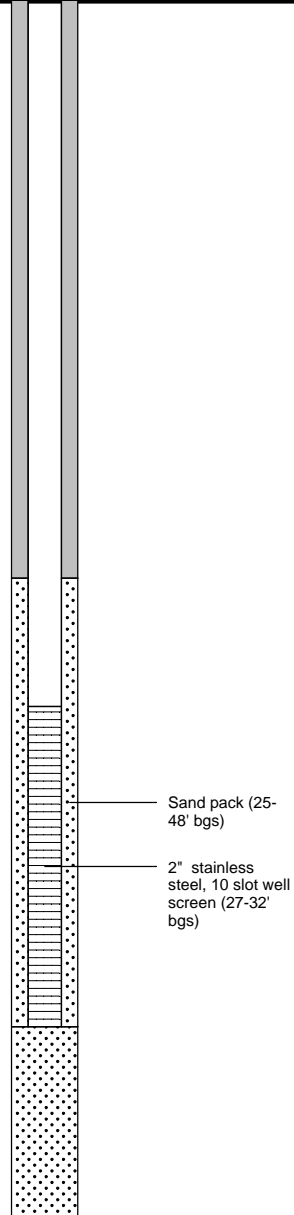
Date Start/Finish: 7/19/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 48' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-MW-3 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-5)	0	5.8			(0-2) TOPSOIL, some sand and silt, fine grained, trace granules, subrounded; well sorted; dry; brown (10YR 4/3) NOTE: trace roots.	 Sand pack (0-1' bgs)
					NA			(2-5) No descriptions, air knifed/vaxcavated	
5	-5	2	(5-8)	3	6.3 4.8 5.0			(5-8) CLAY, medium to high plasticity; trace sand lenses, trace silt, trace small to very large pebbles, subrounded; moist; medium stiff; mottled; dark grayish brown (10YR 4/2).	
					4.3				
		3	(8-13)	5	3.7 0.6 6.0 6.9 10.1			(8-27.5) CLAY, medium to high plasticity; trace sand, some silt, trace to some small to large pebbles, subrounded; moist; medium stiff to soft, gray(10YR 5/1); mottled.	
					1.0				
					1.5				
15	-15	4	(13-18)	5	1.3				 Bentonite (1-25' bgs) 2" Sch 40 PVC riser (0-27' bgs)

	Remarks: BGS = Below ground surface Hand cleared to 5' bgs Groundwater encountered at 32' bgs No odor or staining observed
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Date Start/Finish: 7/19/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 48' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-MW-3 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					3.4				
					1.3				
					7.8				
-20	-20	5	(18-23)	5	1.9				
					18.4				
					6.1				
					2.5				
-25	-25	6	(23-28)	5	5.4				
					4.8				
					10.4				
					2.8				
-30	-30	7	(28-33)	2.5	7.2				
					6.9			(27.5-32) CLAY, medium to high plasticity; clay, some sand, trace silt, trace small to very large pebbles, subrounded; moist to wet; medium stiff to soft; very dark gray (10YR 3/1).	
					3.5			(32-48) CLAY, medium plasticity; some silt, trace sand, trace to some small to medium pebbles, subrounded; wet; stiff to medium stiff; very dark gray (10YR 3/1).	







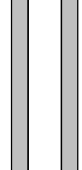
	Remarks: BGS = Below ground surface Hand cleared to 5' bgs Groundwater encountered at 32' bgs No odor or staining observed
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Date Start/Finish: 7/19/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 48' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-MW-3 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
		8	(33-38)	5	7.4				
					7.8				
					10.4				
-40	-40				NA				
		9	(38-43)	5	7.8				
					6.2				
					5.4				
-45	-45				8.8				
		10	(43-48)	5	4.4				
					5.2				
-50	-50						End of boring at 48' bgs		

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Hand cleared to 5' bgs Groundwater encountered at 32' bgs No odor or staining observed
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Date Start/Finish: 7/21/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 38' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-MW-4 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-5)	0	0.0		 (0-1) COBBLES, small  (1-3) TOPSOIL, sand, very fine to fine, some granules, trace small pebbles to very large pebbles, subrounded to subangular; trace silt, poorly sorted; dry; dark yellowish brown (10YR 3/4).	 Sand pack (0-1' bgs)	
					NA		(3-5) NA		
					NA				
5	-5	2	(5-8)	4	0.1		(5-6) SAND, very fine to fine, trace granules, trace small to very large pebbles, subrounded to subangular; poorly sorted; moist; dark yellowish brown (10YR 4/6).		
					0.2		(6-7) SILT, trace sand, very fine, some clay, trace granules, subrounded to subangular; moist; very dark brown (10YR 2/2).		
					0.5		(7-7.5) SAND, fine, trace granules, subrounded to subangular; little to some silt; well sorted; wet to moist; very dark grayish brown (10YR 3/2).		
					3.6		(7.5-25) CLAY, medium to low plasticity; some silt, trace small to very large pebbles, subrounded to subangular; moist; stiff; gray (10YR 5/1).	 Bentonite (1-24' bgs)  2" Sch 40 PVC riser (0-26' bgs)	
10	-10				0.0				
					0.3				
		3	(8-18)	8.5	0.5				
15	-15								

	Remarks: BGS = Below ground surface Hand cleared to 5' bgs Groundwater encountered at 7' bgs No odor or staining observed
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




Date Start/Finish: 7/21/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 38' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-MW-4 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.0				
-20	-20				0.5				
		4	(18-28)	10	0.1				
-25	-25				0.5			(25-27) SAND, fine, subrounded to subangular; some silt; well sorted; wet; dark grayish brown (10YR 4/2).	
					0.8			(27-38) CLAY, and silt, medium to high plasticity; wet; soft to very soft; gray (10YR 5/4).	
-30	-30				0.7				
					0.8				
		5	(28-38)	9	0.0				
					0.6				
					0.0				
					0.2				
					0.8				
					0.4				

Sand pack (24-38' bgs)
 2" Sch 40 PVC, 10 slot well screen (26-36' bgs)

 <p>ARCADIS Infrastructure - Water - Environment - Buildings</p>	Remarks: BGS = Below ground surface Hand cleared to 5' bgs Groundwater encountered at 7' bgs No odor or staining observed
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Date Start/Finish: 7/21/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 38' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-MW-4 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.7			NOTE: moist to dry at 35' bgs	
					0.8				
					0.0				
-40	-40							End of boring at 38' bgs	
-45	-45								
-50	-50								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Hand cleared to 5' bgs Groundwater encountered at 7' bgs No odor or staining observed
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Date Start/Finish: 9/6/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-1 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-1) CONCRETE	
		1	(0-3)	2	0.0			(1-3) CLAY, little silt, medium to high plasticity; trace small to large pebbles, subround; dry; stiff; brown (10YR 4/3).	
					0.4	X			
					0.3			(3-5) SAND, fine, some clay, well sorted; moist to wet; brown (10YR 4/3).	
					0.1				
5	-5	2	(3-8)	3.5	0.7			(5-27) SILT, and clay, high plasticity; trace small to large pebbles, subround; moist; medium stiff; gray (10YR 5/1).	
					0.5				
					0.0				
					0.0				
10	-10	3	(8-13)	4	0.2				
					1.3				
					1.0				
					0.0				
					0.2				
15	-15	4	(13-18)	4	0.3				

Borehole backfilled with bentonite



 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 9/6/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-1 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.6				
					1.3				
-20	-20	5	(18-23)	4	0.0				
					0.0				
					0.0				
					0.0				
					0.2				
-25	-25	6	(23-28)	3.5	0.0				
					0.0				
					0.0				
					0.1				
					0.0			(27-30) SILT, little clay, high plasticity; moist; medium stiff to soft; gray (10YR 5/1).	
					0.1				
-30	-30	7	(28-30)	2	0.4	X			
								End of boring at 30' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 9/6/11-9/7/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-2 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	NA			(0-3) CONCRETE	
					14.0			(3-25) CLAY, some silt, medium to high plasticity; trace small to large pebbles, subround; dry; stiff; gray (10YR 5/1).	
5	-5	2	(3-8)	4	8.3	X			
					6.5				
					1.2				
					3.0				
10	-10	3	(8-13)	5	2.1				
					3.2				
					2.7				
					0.0				
15	-15	4	(13-18)	4	0.1				
					0.2				
									Borehole backfilled with bentonite

	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 9/6/11-9/7/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-2 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.2				
					3.2				
					0.0				
					0.0				
-20	-20	5	(18-23)	4	0.2				
					0.1				
					1.1				
					0.4				
					0.0				
-25	-25	6	(23-28)	4	1.2			(25-30) SILT, little clay, high plasticity; trace small pebbles, subround; moist; medium stiff; gray (10YR 5/1).	
					1.0				
					2.2				
					0.8				
		7	(28-30)	2	0.1	X			
-30	-30							End of boring at 30' bgs	


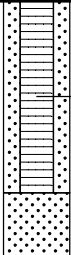



 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 9/8/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-3 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	2.5	0.4 0.3 0.6			(0-5.5) SAND, fine, trace small to large pebbles, subround; some silt; poorly sorted; dry; brown (10YR 4/3) NOTE: most likely fill.	
		2	(3-8)	4	0.3 5.9 1.1	X		(5.5-15.5) CLAY, little silt, medium plasticity; trace small to large pebbles, subround; dry; stiff; gray (10YR 5/1).	2" Sch 40 PVC riser (-2-14' bgs) Bentonite (0-13' bgs)
		3	(8-13)	5	8.7 2.4 2.6 1.3 0.7				
		4	(13-18)	5	1.1 1.5 2.3 1.2 1.0	X			Sand Pack (13-20' bgs)

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater encountered at 15.5' bgs. No odor or staining observed. Temporary well screen 14-19' bgs.
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Date Start/Finish: 9/8/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-3 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					1.5			(15.5-17.5) SAND, coarse to very coarse, subangular; well sorted; wet; gray (10YR 5/1).	 2" Sch 40, 10 slot well screen (14-19' bgs)
					1.1			(17.5-19) CLAY, some silt, medium to high plasticity; trace small to large pebbles, subround; dry; stiff; gray (10YR 5/1).	
		5	(18-20)	2	2.0			(19-20) SILT, low plasticity; moist; medium stiff to soft; gray (10YR 5/1).	
20	-20				1.0				
								End of boring at 20' bgs	
25	-25								
30	-30								
35	-35								

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: BGS = Below ground surface Groundwater encountered at 15.5' bgs. No odor or staining observed. Temporary well screen 14-19' bgs.
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Date Start/Finish: 9/8/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-4 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	1.9 2.4 2.1		•••••	(0-8) SAND, fine to very fine, trace small pebbles, subround; trace silt; well sorted; dry to moist; brown (10YR 4/3).	
					1.7	X			
5	-5	2	(3-8)	4	1.4 2.2		•••••		Borehole backfilled with bentonite
					1.5		•••••	(8-18) CLAY, and silt, medium plasticity; trace small to large pebbles, subround; dry; stiff; gray (10YR 5/1).	
					1.3		•••••		
10	-10	3	(8-13)	4	3.0		•••••		
					1.5		•••••		
					1.6		•••••		
					1.3		•••••		
15	-15	4	(13-18)	5	1.7 2.0		•••••		

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater encountered at 19' bgs. No odor or staining observed.
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Date Start/Finish: 9/8/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-4 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					1.5				
					1.2				
		5	(18-20)	NA	3.0	X		(18-19) SILT, low plasticity; moist to wet; medium stiff to soft; gray (10YR 5/1).	
								(19-20) SAND, coarse, subangular; well sorted; wet; gray (10YR 5/1).	
20	-20							End of boring at 20' bgs	
25	-25								
30	-30								
35	-35								

	Remarks: BGS = Below ground surface Groundwater encountered at 19' bgs. No odor or staining observed.
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Date Start/Finish: 9/8/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-5 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	2.0			(0-4.5) SAND, fine, trace small to large pebbles, subround; trace silt; well sorted; dry to moist; brown (10YR 4/3) NOTE: fill.	
					1.8				
					11.8				
					2.0				
5	-5	2	(3-8)	4	1.2	X		(4.5-7) CLAY, and silt, high plasticity; moist; medium stiff; dark gray (10YR 3/1).	
					2.5				
					2.4				
					1.3			(7-19) CLAY, and silt, medium plasticity; trace small to large pebbles, subround; dry; stiff; gray (10YR 5/1).	
					2.1				
					2.2				
10	-10	3	(8-13)	5	2.4				Borehole backfilled with bentonite
					2.0				
					2.3				
					1.4				
					1.2				
15	-15	4	(13-18)	5	1.3				

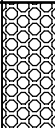
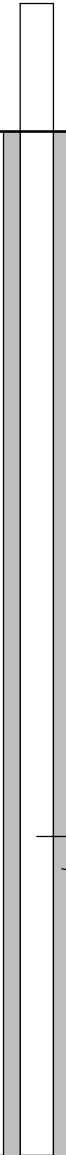

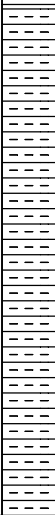
 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 9/8/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-5 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					1.5				
					2.0				
		5	(18-20)	2	1.8				
20	-20				1.0	X		(19-20) SILT, low plasticity; moist; medium stiff to soft; gray (10YR 5/1).	
								End of boring at 20' bgs	
25	-25								
30	-30								
35	-35								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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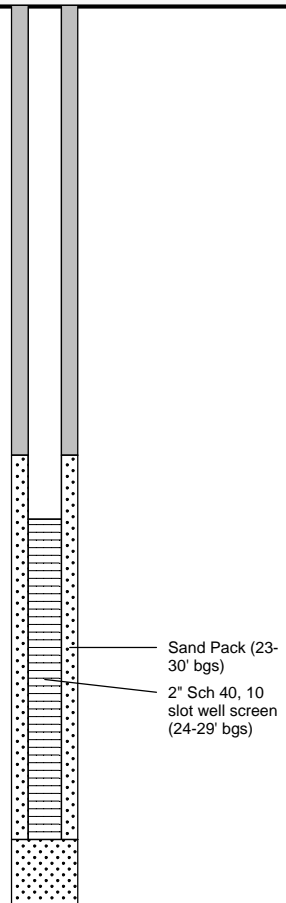
Date Start/Finish: 9/1/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-6 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	2	1.0			(0-2) CONCRETE	 <p>2" Sch 40 PVC riser (-2-24' bgs) Bentonite (0-23' bgs)</p>
					2.7			(2-8) SAND, fine, subround; well sorted; moist; brown (10YR 4/3).	
					6.3				
					1.3				
5	-5	2	(3-8)	4	100	X		(8-18.5) CLAY, and silt, medium plasticity; trace small to medium pebbles, subround; dry; stiff; gray (10YR 5/1).	
					85.3				
					112.2				
					1.3				
					1.7				
10	-10	3	(8-13)	4.5	2.2				
					1.3				
					1.8				
					1.1				
					1.7				
15	-15	4	(13-18)	4.5	2.3				

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater encountered at 26' bgs. No odor or staining observed. Temporary well screened 24-29' bgs. Shake test positive 5-6' bgs.
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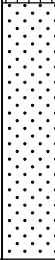


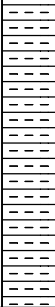
Date Start/Finish: 9/1/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-6 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					1.5				
					0.9				
-20	-20	5	(18-23)	4.5				(18.5-21) SAND, fine to medium, subround; well sorted; moist; grayish brown (10YR 5/2).	
					1.9			(21-26) SILT, little clay, medium to low plasticity; trace small to medium pebbles, subround; moist; stiff; gray (10YR 5/1).	
					4.5				
					3.3				
-25	-25	6	(23-28)	3.5		X		(26-28) SILT, wet; very soft; gray (10YR 5/1).	
					1.9				
					2.3				
					2.4				
		7	(28-30)	1				(28-29) SAND, very coarse, trace granules, subround; well sorted; wet; gray (10YR 5/1).	
					0.8				
					0.3			(29-30) CLAY, high plasticity; trace small to large pebbles, subround; dry to moist; stiff; gray (10YR 5/1).	
-30	-30							End of boring at 30' bgs	




	Remarks: BGS = Below ground surface Groundwater encountered at 26' bgs. No odor or staining observed. Temporary well screened 24-29' bgs. Shake test positive 5-6' bgs.
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Date Start/Finish: 9/1/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-7 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	2	1.8			(0-1) CONCRETE	
					2.4			(1-5) SAND, fine, subround; well sorted; moist; yellowish brown (10YR 4/6).	
					1.3				
					5.5				
					5.6				
5	-5	2	(3-8)	5	2.2	X		(5-20) SILT, and clay, medium plasticity; trace small pebbles, subround; dry; stiff; gray (10YR 5/1).	
					2.3				
					3.0				
					2.1				
					1.8				
10	-10	3	(8-13)	5	2.6				
					0.8				
					1.2				
					0.9				
					1.7				
15	-15	4	(13-18)	5	3.0				

Borehole backfilled with bentonite


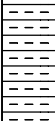

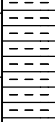
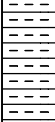



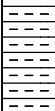



 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 9/1/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-7 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.8				
					0.9				
					2.1				
					3.3				
-20	-20	5	(18-23)	5	0.8			(20-22.5) SAND, very fine, subround; well sorted; moist; gray (10YR 5/1).	
					0.5				
					0.7			(22.5-30) SILT, some clay, medium plasticity; trace small to medium pebbles; subround; moist; medium stiff; gray (10YR 5/1).	
					2.1				
-25	-25	6	(23-28)	4.5	0.4				
					1.6				
					0.6				
					1.4				
-30	-30	7	(28-30)	1.7	0.8	X			
								End of boring at 30' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 9/1/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-8 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	2	2.7			(0-1) CONCRETE	
					7.3			(1-30) SILT, and clay, medium to high plasticity; trace small to large pebbles, subround; dry to moist; stiff; gray (10YR 5/1).	
					4.9				
					38.3				
		2	(3-8)	3.5	75.1	X			
					17.9				
					12.5				
					13.7				
					6.9				
-10	-10	3	(8-13)	4	2.1				
					5.4				
					4.3				
					1.6				
					2.5				
-15	-15	4	(13-18)	5	2.3				

Borehole backfilled with bentonite

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed. Shake test positive 5-6' bgs.
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Date Start/Finish: 9/1/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-8 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					2.5				
					3.4				
					3.8				
-20	-20	5	(18-23)	NA	3.6				
					3.9				
					0.8				
					1.5				
					2.2				
-25	-25	6	(23-28)	4	3.2				
					3.5				
					2.1				
					0.9				
		7	(28-30)	2	0.7				
-30	-30				1.3	X			
								End of boring at 30' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed. Shake test positive 5-6' bgs.
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Date Start/Finish: 8/31/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-9 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-1) CONCRETE	
		1	(0-3)	2	2.3			(1-6) SAND, fine, subround; well sorted; moist; brown (10YR 4/3).	
					1.2				
					2.2				
5	-5	2	(3-8)	3.5	2.5	X		(6-9) CLAY, medium plasticity; dry; stiff; gray (10YR 6/1).	
					3.4				
					0.3				
10	-10	3	(8-13)	5	1.5			(9-13) CLAY, nonplastic; dry; soft; dark brown (10YR 2/2) NOTE: organic rich, leaves, roots, sticks, light sponge feel.	
					1.5				
					2.7				
					0.2			(13-18) CLAY, high plasticity; moist; very soft; gray (10YR 5/1).	
					0.1				
15	-15	4	(13-18)	5	1.6				Borehole backfilled with bentonite

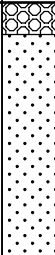


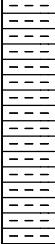

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/31/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-9 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					1.6				
-20	-20	5	(18-23)	5	0.5			(18-25) CLAY, and silt, medium plasticity; trace sand, trace small to large pebbles, subround; moist to wet; medium stiff; gray (10YR 5/1) NOTE: highest moisture from 23-24' bgs.	
					0.7				
					4.5				
					0.8	X			
-25	-25	6	(23-30)	4.5	1.5			(25-30) CLAY, little silt, medium plasticity; trace small to large pebbles, subround; moist to dry; medium stiff; gray (10YR 5/1).	
					0.1				
					2.1				
					2.4				
					3.0				
					4.2	X			
-30	-30							End of boring at 30' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 9/1/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-10 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	3	0.6			(0.5-4) SAND, fine, subround; well sorted; dry; yellowish brown (10YR 4/6).	
					3.5				
					1.6				
					1.8				
					1.8	X		(4-23) CLAY, and silt, high plasticity; trace small to medium pebbles, subround; dry to moist; stiff; gray (10YR 5/1).	
5	-5	2	(3-8)	5	0.3				
					2.7				
					1.7				
					1.1				
					0.6				
10	-10	3	(8-13)	5	0.5				
					1.1				
					2.4				
					0.8				
					2.3				
15	-15	4	(13-18)	4	1.2				Borehole backfilled with bentonite

 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 9/1/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-10 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.5				
					0.4				
-20	-20	5	(18-23)	5	1.3				
					0.4				
					0.5				
					0.2			(23-24.5) SAND, very fine, subround; well sorted; dry to moist; gray (10YR 5/1).	
-25	-25	6	(23-30)	5	1.0			(24.5-30) CLAY, and silt, medium to high plasticity; trace small to medium pebbles, subround; dry; gray (10YR 5/1).	
					2.1				
					0.8				
					2.1	X			
-30	-30							End of boring at 30' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 9/7/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-11 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-1) CONCRETE	
		1	(0-3)	2	50.3			(1-3) SAND, fine, trace small to large pebbles, angular; poorly sorted; dry to moist; dark brown (10YR 2/2).	
					80.2	X			
					65.1			(3-8) SAND, fine, well sorted; moist; brown (10YR 4/3).	
5	-5	2	(3-8)	3	7.5				
					6.5				
					4.1				
					0.4			(8-20) SILT, and clay, medium to high plasticity; trace small to large pebbles, subround; dry to moist; stiff to medium stiff; gray (10YR 5/1) NOTE: black discoloration and odor at 8' bgs.	
10	-10	3	(8-13)	3.5	0.8				
					0.7				
					0.7				
					1.2				
15	-15				1.2				

Borehole backfilled with bentonite







 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No staining observed. Shake test negative at 8' bgs.
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Date Start/Finish: 9/7/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-11 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20	4	(13-20)	4	1.8			End of boring at 20' bgs	
					0.8				
					0.9	X			
25	-25								
30	-30								
35	-35								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No staining observed. Shake test negative at 8' bgs.
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Date Start/Finish: 9/7/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-12 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-1) CONCRETE	
		1	(0-3)	2	1.7			(1-4) SILT, trace sand, trace small to large pebbles, subround; well sorted; grayish brown (10YR 5/2).	
					2.5	X			
					5.6			(4-8) SAND, fine, well sorted; moist; brown (10YR 4/3).	
-5	-5	2	(3-8)	3	1.4				
					0.4				
					0.6				
					1.9				
					1.0			(8-20) SILT, and clay, medium to high plasticity; trace small to large pebbles, subround; dry to moist; stiff to medium stiff; gray (10YR 5/1).	
-10	-10	3	(8-13)	3.5	0.2				
					0.5				
					0.9				
					1.7				
					1.6				
					1.8				
-15	-15				0.9				

Borehole backfilled with bentonite

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 9/7/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-12 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20	4	(13-20)	4	1.1			End of boring at 20' bgs	
					0.3				
					0.2	X			
25	-25								
30	-30								
35	-35								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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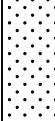
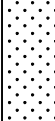
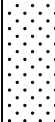

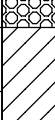


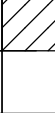



Date Start/Finish: 8/31/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-13 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-1) CONCRETE	
		1	(0-3)	1.5	2.2 1.3 1.1	X		(1-8) CLAY, medium plasticity; trace small to medium pebbles, subround; dry; stiff; grayish brown (10YR 5/2) laminated brown (10YR 4/3).	
		2	(3-8)	4	1.8 2.4 2.8 2.2 2.3				
		3	(8-13)	4	1.1 2.2 2.4 1.5 0.2			(8-15) CLAY, some silt, medium to high plasticity; trace small to large pebbles, subround; dry to moist; medium stiff; gray (10YR 5/1).	
		4	(13-15)	2	1.3 4.7	X			
15	-15							End of boring at 15' bgs	

Borehole backfilled with bentonite


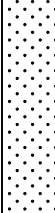




 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/30/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-14 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	1	0.4			(0-1) CONCRETE	
					1.3			(1-8) SAND, fine, subround; well sorted; dry; brown (10YR 4/3) NOTE: fill material.	
					1.2				
					0.7				
					0.8				
5	-5	2	(3-8)	2.5	0.9				
					1.5				
					1.6				
					1.2			(8-9) CONCRETE	
					0.8	X		(9-15) CLAY, trace silt, high plasticity; trace sand; moist to dry; medium stiff; grayish brown (10YR 5/2).	
10	-10	3	(8-13)	NA	1.3				
					2.2				
					2.6				
					0.8				
		4	(13-15)	NA	1.6	X			
15	-15							End of boring at 15' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 9/7/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-15 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0 0								
	1	(0-3)	2	1.2 0.4 0.3		 (0-0.5) CONCRETE  (0.5-4) SAND, fine, well sorted; moist; brown (10YR 4/3).	 Borehole backfilled with bentonite	
	2	(3-10)	4	1.6 0.4 0.0 0.0 0.2 0.1 0.3	 (4-10) CLAY, and silt, trace small to large pebbles, subround; dry; medium stiff to stiff; grayish brown (10YR 5/2). 			
-5 -5								
-10 -10						NOTE: small (<1cm), coarse sand seam, moist to wet at 9.5' bgs. End of boring at 10' bgs		
-15 -15								

 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/26/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-17 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	3	0.8			(0.5-4) SAND, fine to medium, trace granules to small pebbles, subround; poorly sorted; moist; brown (10YR 4.3) NOTE: fill.	
					0.4				
					4.0				
					1.1				
					1.0	X		(4-20) CLAY, little silt, medium to high plasticity; trace small to large pebbles, subround; moist to dry; stiff; gray (10YR 5/1).	
-5	-5	2	(3-8)	4	2.3				
					1.4				
					2.3				
					0.7				
					2.4				
-10	-10	3	(8-13)	5	4.3				Borehole backfilled with bentonite
					2.1				
					3.1				
					3.5				
					1.2				
-15	-15	4	(13-18)	NA	2.2				

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/26/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-17 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					1.2		X		
				0.8					
		5	(18-20)	NA	0.3				
20	-20				0.5				
								End of boring at 20' bgs	
25	-25								
30	-30								
35	-35								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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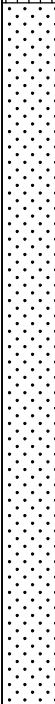

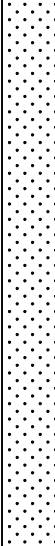

Date Start/Finish: 8/29/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-18 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	0.7			(0-0.5) CONCRETE	
					4.3			(0.5-2) SAND, fine, trace granules, subround; well sorted; moist; brown (10YR 4/3).	
					4.3			(2-3) CLAY, some silt, medium to high plasticity; trace small to medium pebbles, subround; dry to moist; dark gray (10YR 3/1) and grayish brown (10YR 5/2).	
					1.2			(3-3.5) SAND, fine, trace granules, subround; well sorted; moist; brown (10YR 4/3).	
					4.3	X		(3.5-20) CLAY, and silt, medium to high plasticity; trace small to very large pebbles, subround; dry to moist; stiff; gray (10YR 5/1).	
5	-5	2	(3-8)	5	1.5				
					2.0				
					0.2				
					0.5				
					3.8				
10	-10	3	(8-13)	5	1.1				
					2.5				
					1.6				
					1.4				
					2.8				
15	-15	4	(13-18)	5	1.7				

Borehole backfilled with bentonite

 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/30/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 12' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-19 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	2	0.8			(1-12) SAND, fine, subround; well sorted; moist; brown (10YR 4/3) NOTE: fill material.	
					0.9				
		2	(3-8)	4	1.7				
					0.6				
					2.1				
					0.8				
-10	-10	3	(8-12)	3.5	1.2				
					1.3				
								End of boring at 12' bgs	
-15	-15								

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/29/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-20 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	1.5	3.3			(0.5-3.5) SAND, fine, subround; well sorted; moist; brown (10YR 4/3).	
					4.5				
					3.0			(3.5-9.5) CLAY, high plasticity; trace small pebbles, subround; moist; medium stiff; mottled gray (10YR 5/1) and brown (10YR 4/3).	2" Sch 40 PVC riser (-2-8' bgs) Bentonite (0-7' bgs)
5	-5	2	(3-8)	4.5	0.6				
					1.4				
					3.0				
					1.6				
					2.0			(9.5-11) SAND, fine to very fine, subround; little clay; well sorted; wet; brown (10YR 4/3).	Sand Pack (7-20' bgs) 2" Sch 40, 10 slot well screen (8-13' bgs)
10	-10	3	(8-13)	3.5	3.5			(11-20) CLAY, and silt, medium to high plasticity; trace small to large pebbles, subround; dry to moist; gray (10YR 5/1).	
					1.7				
					1.4				
					1.6				
					1.2				
15	-15	4	(13-18)	4.5	0.4				

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater encountered at 9.5' bgs. No odor or staining observed. Temporary well screened 8-13' bgs.
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Date Start/Finish: 8/29/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-21 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-1) CONCRETE	
		1	(0-3)	1.5	3.1			(1-4) SAND, fine, subround; well sorted; moist brown (10YR 4/3).	
					5.1			NOTE: color change to black (10YR 2/1) at 3' bgs.	
					5.7				
5	-5	2	(3-8)	5	1.2	X		(4-10) CLAY, high plasticity; trace small pebbles, subround; moist to dry; medium stiff; mottled gray (10YR 5/1) and brown (10YR 4/3).	
					1.9				
					5.2				
					1.3				
10	-10	3	(8-13)	5	1.2	X		(10-13) SAND, very fine to fine, subround; little clay; well sorted; wet; brown (10YR 4/3).	
					4.3				
					5.1				
					1.4				
					1.3			(13-20) CLAY, and silt, medium to high plasticity; trace small to large pebbles, subround; dry to moist; gray (10YR 5/1).	
					0.4				
15	-15	4	(13-18)	5	0.3				Borehole backfilled with bentonite

	Remarks: BGS = Below ground surface Groundwater encountered at 10' bgs. No odor or staining observed.
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Date Start/Finish: 8/29/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-21 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					1.2				
					1.3				
		5	(18-20)	2	1.9	X			
20	-20							End of boring at 20' bgs	
25	-25								
30	-30								
35	-35								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater encountered at 10' bgs. No odor or staining observed.
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Date Start/Finish: 8/29/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-23 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	3	1.7			(0.5-3) SAND, fine, trace granules, subround; well sorted; moist; brown (10YR 4/3).	
					1.0			(3-10) CLAY, and silt, low to medium plasticity; trace small to large pebbles, subround; dry to moist; stiff; grayish brown (10YR 5/2).	
					3.4			NOTE: slight odor, slight black (10YR 2/1) discoloration from 3-4' bgs.	
5	-5	2	(3-8)	5	2.6			(10-20) CLAY, and silt, medium to high plasticity; trace small to large pebbles, subround; dry to moist; stiff to medium stiff; gray (10YR 5/1).	Borehole backfilled with bentonite
					6.6				
					2.8				
					1.4				
					5.8				
10	-10	3	(8-13)	5	1.3			(10-20) CLAY, and silt, medium to high plasticity; trace small to large pebbles, subround; dry to moist; stiff to medium stiff; gray (10YR 5/1).	
					1.9				
					1.4				
					2.5				
					5.6				
					3.4				
15	-15	4	(13-18)	5	2.0			(10-20) CLAY, and silt, medium to high plasticity; trace small to large pebbles, subround; dry to moist; stiff to medium stiff; gray (10YR 5/1).	
					3.2				

	Remarks: BGS = Below ground surface Groundwater not encountered. No staining observed. Shake test positive 3-4' bgs.
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Date Start/Finish: 8/29/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-23 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					2.3				
					1.1				
		5	(18-20)	1	1.8				
20	-20				1.2	X			
								End of boring at 20' bgs	
-25	-25								
-30	-30								
-35	-35								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No staining observed. Shake test positive 3-4' bgs.
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Date Start/Finish: 8/31/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-24 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	3	0.4			(0.5-15) SAND, fine, trace granules, subround; well sorted; moist; brown (10YR 4/3).	
					2.2				
					3.3				
					4.3				
					8.7				
5	-5				14.3				
		2	(3-8)	3.5	18.8	X		NOTE: odor, color change to dark gray (10YR 3/1) from 5.5-15' bgs.	
					20.2				
					6.8				
					7.0				
		3	(8-10)	1	12.4				
					14.2				
10	-10				10.8				
					8.7				
		4	(10-15)	4	1.2				
					3.2				
					2.0				
15	-15				0.5			(15-20) CLAY, high plasticity; trace small to large pebbles, subround; dry; stiff; gray (10YR 5/1).	
					0.4				

Borehole backfilled with bentonite


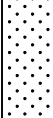

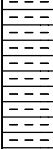
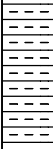
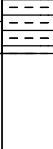


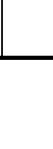

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No staining observed. Shake test negative 5.5-6.5' bgs.
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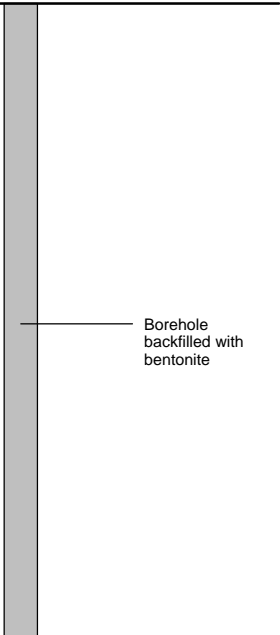
Date Start/Finish: 8/31/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-24 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20	5	(15-20)	5	0.3 1.0 0.8 1.7 1.2	X		End of boring at 20' bgs	
25	-25								
30	-30								
35	-35								

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: BGS = Below ground surface Groundwater not encountered. No staining observed. Shake test negative 5.5-6.5' bgs.
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Date Start/Finish: 8/29/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-26 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	0.8 5.1 1.8			(0-0.5) CONCRETE	
					5.0 5.2			(0.5-5) SAND, fine, trace granules to small pebbles, subround; well sorted; moist; brown (10YR 4/3).	
5	-5	2	(3-8)	4.5	2.2 1.7 3.2	X		(5-20) CLAY, and silt, medium to high plasticity; trace sand, trace small to large pebbles, subround; dry to moist; stiff; gray (10YR 5/1).	
					1.8 3.3 3.0 2.8				
10	-10	3	(8-13)	5	2.1 3.0 2.8				
					0.3 1.8 2.2 2.0 1.6				
15	-15	4	(13-18)	4	1.4 0.3				
					1.6 1.4 0.3				
20	-20	5	(18-20)	2	1.4 0.3	X			
					0.3			End of boring at 20' bgs	
25	-25								
30	-30								
35	-35								



 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 9/2/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-27 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	1.2			(0-0.5) CONCRETE	Borehole backfilled with bentonite
					1.7			(0.5-3) SAND, fine, well sorted; moist; brown (10YR 4/3).	
					0.9				
					1.2	X		(3-3.5) PEBBLES, small to medium, angular; moist to wet; gray (10YR 5/1). NOTE: pea gravel.	
					1.2			(3.5-10) SAND, fine, well sorted; moist to wet; brown (10YR 4/3).	
5	-5	2	(3-8)	3.5	2.1				
					2.3				
					1.8				
					1.2				
		3	(8-10)	NA	1.1				
					1.0				
10	-10				0.8	X		(10-15) SILT, and clay, medium plasticity; trace small to large pebbles, subround; dry to moist; stiff; grayish brown (10YR 5/2).	
					0.9				
		4	(10-15)	5	0.5				
					0.4				
					1.2				
15	-15							End of boring at 15' bgs	


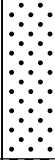
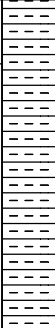

	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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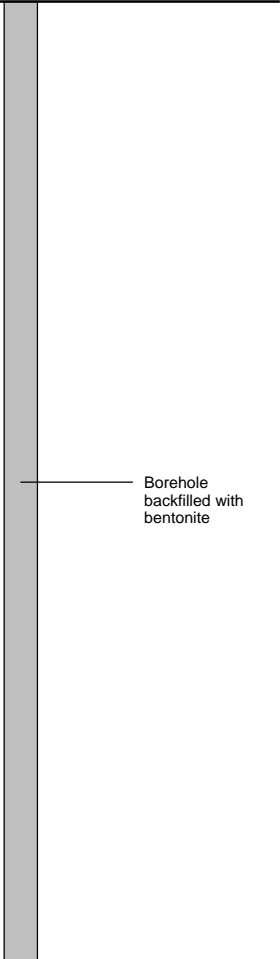
Date Start/Finish: 8/31/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 5' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-29 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-5)	NA	3.3 1.3 22.1 24.2 18.8 37.7 45.5 57.3	X X		(0-0.25) CONCRETE (0.25-5) SAND, and silt, gray (10YR 5/1) and black (10YR 2/1) NOTE: odor, crushed concrete, small to large pebble in size; scrap metal.	
5	5							End of boring at 5' bgs due to refusal.	
-10	-10								
-15	-15								

	Remarks: BGS = Below ground surface Groundwater not encountered. No staining observed. Shake test negative 4-5' bgs.
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Date Start/Finish: 8/26/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-30 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	0.4			(0-0.5) CONCRETE	
					1.5			(0.5-3) SAND, fine to medium, trace granules to small pebbles, subround; poorly sorted; moist; brown (10YR 4/3) NOTE: fill.	
					2.0				
					2.6	X		(3-15) CLAY, and silt, low to medium plasticity; trace small to large pebbles, subround; moist to dry; medium stiff to stiff; black (10YR 2/1). NOTE: color change to grayish brown (10YR 5/2) at 4' bgs.	
5	-5	2	(3-8)	5	4.8				
					6.0				
					1.8				
					2.2				
					1.7				
10	-10	3	(8-13)	5	4.3				
					0.8				
					1.4				
					1.5				
		4	(13-15)	1.5	4.3	X			
15	-15							End of boring at 15' bgs	



 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/30/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-31 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	20.7 11.0 7.0	X		(0-10) CLAY, medium to low plasticity; trace small to large pebbles, subround; dry; stiff to very stiff; dark brown (10YR 3/3).	
		2	(3-10)	5.5	12.1 5.6 11.2 12.5 8.7 4.2 3.6	X			
10	-10							End of boring at 10' bgs	
15	-15								



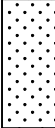




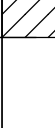



 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/30/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-32 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	1.5				(0-0.5) CONCRETE (0.5-2) SAND, fine, subround; well sorted; moist; brown (10YR 4/3). (2-4) SILT, some clay, nonplastic; dry; soft; gray (10YR 5/1). (4-10) SAND, fine to very fine, subround; well sorted; dry; gray (10YR 5/1) to very pale brown (10YR 7/4).	
		2	(3-10)	4.5					
10	-10							End of boring at 10' bgs	

















<p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/30/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-33 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	2	1.7			(0-0.5) CONCRETE	 Borehole backfilled with bentonite
					1.5			(0.5-2.5) SAND, very fine, subround; well sorted; moist; brown (10YR 4/3).	
					0.7			(2.5-6) CLAY, high plasticity; trace small pebbles, subround; dry to moist; medium stiff; mottled gray (10YR 5/1) and brown (10YR 4/3).	
					0.5				
-5	-5				1.1				
		2	(3-10)	5	3.0	X		(6-6.5) SAND, medium to coarse, and small pebbles, subround; poorly sorted; moist to wet; gray (10YR 5/1) and black (10YR 2/1).	
					6.3			(6.5-10) CLAY, high plasticity; trace small pebbles, subround; moist; medium stiff; mottled gray (10YR 5/1) and brown (10YR 4/3).	
					8.3				
					9.0				
					8.2	X		NOTE: small lense of dark organic rich silt-like material from 9-9.25' bgs.	
-10	-10							End of boring at 10' bgs	
-15	-15								

 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed. Shake test negative at 6-6.5' bgs.
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Date Start/Finish: 8/30/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: 9.5 Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: 8.5 Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-36 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	2.0			(0-1) CONCRETE	Borehole backfilled with bentonite
					5.4			(1-2) SAND, fine, subround; well sorted; moist to dry; brown (10YR 4/3).	
					0.5			(2-6) CLAY, medium plasticity; trace small pebbles, subround; dry; stiff; grayish brown (10YR 5/2) laminated brownish yellow (10YR 6/6).	
					5.2				
					4.8				
5	-5	2	(3-8)	4.5	5.0	X			
					3.9			(6-8.5) SAND, fine, subround; well sorted; moist; yellowish brown (10YR 4/6).	
					5.7				
					5.3			(8.5-20) CLAY, and silt, medium to high plasticity; trace small to large pebbles, subround; dry to moist; medium stiff; gray (10YR 5/1).	
					1.2				
10	-10	3	(8-13)	4	6.8				
					1.3				
					3.0				
					0.7				
					0.9				
15	-15	4	(13-18)	4.5	1.9				

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/30/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: 9.5 Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: 8.5 Descriptions By: Austin Westhuis	Well/Boring ID: P2-SB-36 Client: RACER Trust Location: Lansing Plant 2 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					2.0				
					3.9				
		5	(18-20)	2	4.3				
20	-20				5.0	X		End of boring at 20' bgs	
-25	-25								
-30	-30								
-35	-35								

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Boring Logs

Plant 3

Date Start/Finish: 8/15/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-27-RO Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	1.5	0.6			(0.5-5) SAND, fine, subround, well sorted; moist; brown (10YR 4/3). NOTE: fill material.	
					0.6				
					0.1				
5	-5	2	(3-8)	4	0.1			(5-14) CLAY, medium to low plasticity; some silt, trace sand, trace small to very large pebbles, subround; moist to dry; stiff; grayish brown (10YR 5/2).	
					0.4				
					0.5				
					1.1				
					1.1				
10	-10	3	(8-13)	4.5	0.0				
					0.7				
					1.2				
					2.6				
					0.3			(14-21) CLAY, high plasticity; trace small to large pebbles, subround; dry; very stiff; dark gray (10YR 3/1).	
15	-15	4	(13-18)	5	0.1				

Borehole backfilled with bentonite


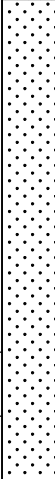

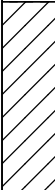
 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/15/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-27-RO Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.2			(21-25) CLAY, medium to high plasticity; some silt, trace small to large pebbles, subround; dry to moist; stiff; grayish brown (10YR 5/2).	
				0.0					
				1.3					
-20	-20	5	(18-23)	5	0.2				
				0.8	0.0				
				0.0	0.0				
		6	(23-25)	2	0.0				
-25	-25				0.1	X		End of boring at 25' bgs.	
-30	-30								
-35	-35								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/16/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-CH-13-RO Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	2.8			(0-0.5) CONCRETE	Borehole backfilled with bentonite
					0.8			(0.5-8) SAND, fine, subround; well sorted; moist to dry; brown (10YR 4/3).	
					5.0				
					5.1				
5	-5	2	(3-8)	2.5	1.2			(8-13) CLAY, and silt, medium plasticity; trace small to very large pebbles, subround; dry to moist; stiff to very stiff; dark brown (10YR 2/2).	
					1.4	X		NOTE: color change to gray (10YR 5/1) at 10' bgs.	
					0.9				
10	-10	3	(8-13)	3	1.0			(13-22) CLAY, little silt, high plasticity; trace sand, trace small to large pebbles; subround; dry to moist; stiff; gray (10YR 5/1).	
					0.8				
					0.7				
15	-15	4	(13-18)	4.5	2.2				




 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/15/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-CH-14-RO Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	3	2.7			(0.5-9) SAND, fine, subround; well sorted; moist to dry; brown (10YR 4/3). NOTE: fill material.	2" Sch 40 PVC riser (-2-7' bgs) Bentonite (0-6' bgs)
					2.1				
					3.5				
					10.4				
					7.7				
5	-5	2	(3-8)	3	5.2				
					4.1				
					7.3			NOTE: wet from 8-10' bgs.	
					8.3			(9-14) CLAY, some silt, low to medium plasticity; trace small to large pebbles, subround; dry; stiff; dark brown (10YR 2/2).	Sand pack (6-25' bgs) 2" Sch 40 PVC, 10 slot well screen (7-12' bgs)
		3	(8-13)	4	4.7				
					5.6				
					3.3				
					1.7			(14-24) CLAY, trace silt, high to medium plasticity; trace small to large pebbles, subround; dry to moist; stiff; gray (10YR 5/1).	
15	-15				1.6				

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed. Temporary well screened from 7-12' bgs.
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Date Start/Finish: 8/15/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-CH-15-RO Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	0.5			(0-0.5) CONCRETE	
					0.4			(0.5-3.5) CLAY, some silt, low plasticity; trace small to large pebbles, subround; dry; very stiff; dark brown (10YR 2/2) and dark gray (10YR 3/1).	
					2.6	X			
					7.3			(3.5-10) CLAY, some silt, low to medium plasticity; trace small to very large pebbles, subround; dry; stiff; grayish brown (10YR 5/2).	
5	-5	2	(3-8)	3.5	8.7				
					7.5				
					5.5				
					4.6				
					2.6				
10	-10	3	(8-13)	2.7	6.7			(10-20) NA	Borehole backfilled with bentonite
					0.1				
					10.8				
15	-15				7.3				

 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/15/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-CH-15-RO Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20	4	(13-20)	3.3	6.6				
					5.5				
					6.3	X			
								End of boring at 20' bgs.	
		5							
25	-25								
30	-30								
35	-35								

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/10/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-1 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-5)	5	0.7			(0-12) CLAY, and sand, medium plasticity; little silt, trace small to large pebbles, subround; dry to moist; medium stiff; yellowish brown (10YR 5/4).	
					0.7				
					0.8				
5	-5	2	(5-8)	3	0.0	X			
					0.1				
					0.1				
					0.0				
10	-10	3	(8-13)	4	0.6				
					0.2				
					0.4				
					0.0				
					0.0				
					0.0				
					0.0				
					0.0				
15	-15	4	(13-18)	5	1.3	X			

Borehole backfilled with bentonite

	Remarks: BGS = Below ground surface Hand cleared from 0-5' bgs. Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/10/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-1 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					9.8		(16-18) SAND, very fine, subround; well sorted; dry; very pale brown (10YR 8/4).		
					7.6				
		5	(18-23)	4	0.4		(18-29) CLAY, medium to high plasticity; trace small to large pebbles, subround; dry to moist; stiff to medium stiff; yellowish brown (10YR 5/4).		
-20	-20				0.5	X			
					0.5				
					0.1				
					0.0				
		6	(23-25)	1.8	0.0				
-25	-25				0.1				
					0.2				
					0.3				
		7	(25-30)	4.5	0.1				
					0.4				
					3.3		(29-30) SAND, very fine, subround; well sorted; dry to moist; very pale brown (10YR 8/4).		
-30	-30						End of boring at 30' bgs.		

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Hand cleared from 0-5' bgs. Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/11/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-2 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-2) TOPSOIL	
		1	(0-5)	5	0.7			(2-14) CLAY, some silt, medium plasticity; trace sand, trace small to medium pebbles, subround; dry; medium stiff to stiff; yellowish brown (10YR 5/4).	
		2	(5-8)	3	1.1				
		3	(8-13)	3.5	0.5				
					6.9	X			
		4	(13-18)	3	6.2			(14-16) SAND, very fine to fine, subround; well sorted; moist to dry; very pale brown (10YR 8/4).	
									Borehole backfilled with bentonite

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/11/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-2 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					8.4			(16-23) CLAY, some silt, medium to high plasticity; little sand, trace small to large pebbles, subround; dry to moist; medium stiff; very pale brown (10YR 8/4).	
					1.3				
					0.2				
-20	-20	5	(18-23)	NA	0.2				
					0.4				
					0.4				
					0.3	X			
					1.6			(23-30) SAND; medium, subround; well sorted; moist; very pale brown (10YR 8/4) to brownish yellow (10YR 6/6).	
					1.2				
-25	-25	6	(23-30)	3	1.3				
					NA				
					NA				
					NA				
-30	-30							End of boring at 30' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/12/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-2-RO Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) ASPHALT	
		1	(0-3)	3	46.9			(0.5-7.5) CLAY, little silt, low to medium plasticity; trace small to large pebbles, subround; dry; stiff; grayish brown (10YR 5/2).	
					31.3				
					14.2				
					12.6	X			
					32.7				
-5	-5	2	(3-8)	4.5	26.3				
					17.4				
					12.1				
					7.2			(7.5-16.5) CLAY, high plasticity; trace small to large pebbles, subround; dry; stiff; gray (10YR 6/1).	
					5.7				
					4.8				
-10	-10	3	(8-13)	5	3.2				Borehole backfilled with bentonite
					3.1				
					3.0				
					1.0				
					1.2				
-15	-15	4	(13-18)	4.5	24.3	X			

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/12/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-2-RO Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					13.8			(16.5-20) SILT, little sand, dry; hard to very stiff; grayish brown (10YR 3/2).	
					7.5				
		5	(18-20)	2	16.6				
20	-20				5.1				
								End of boring at 20' bgs.	
25	-25								
30	-30								
35	-35								





 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/10/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-3 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-5)	5	0.5			(0-2.5) TOPSOIL, clay, and sand, low plasticity; trace granules, trace small pebbles, subround; moist; soft to very soft; yellowish brown (10YR 5/4).	
					0.7			(2.5-7.5) CLAY, trace silt, medium to high plasticity; trace sand, trace small to medium pebbles, subround; dry; stiff; yellowish brown (10YR 5/4).	
					0.4				
5	-5	2	(5-8)	3	1.2	X			
					1.1			(7.5-9) SAND, very fine to fine, subround; well sorted; moist to wet; very pale brown (10YR 8/4).	
					0.9				
					0.2			(9-16) CLAY, medium to high plasticity; trace small to large pebbles, subround; dry to moist; stiff; grayish brown (10YR 3/2).	
10	-10	3	(8-13)	4.5	0.0				
					0.1				
					0.0				
					0.6				
15	-15	4	(13-18)	3.5	0.1	X			Borehole backfilled with bentonite

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Hand cleared from 0-5' bgs. Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/10/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-3 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.7			(16-18) SAND, coarse to very coarse, trace small to medium pebbles, subround; poorly sorted; moist to wet; brown (10YR 4/3).	
					0.5				
		5	(18-23)	4.5	0.1			(18-25) CLAY, medium to high plasticity; trace small to large pebbles, subround; dry to moist; medium stiff; grayish brown (10YR 3/2).	
-20	-20				0.0				
					0.0				
		6	(23-25)	1.7	0.1				
					1.0	X			
-25	-25				1.7			(25-30) SAND, very fine, subround; well sorted; dry to moist; very pale brown (10YR 8/4).	
		7	(25-30)	4	6.3				
					0.1				
					1.1				
					24.1	X			
-30	-30							End of boring at 30' bgs.	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Hand cleared from 0-5' bgs. Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/11/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-4 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) ASPHALT	
		1	(0-5)	5	0.0 0.3 0.1 0.2 0.1 0.3			(0.5-8) CLAY, trace silt, medium plasticity; trace sand, trace small to large pebbles, subround; dry; stiff to medium stiff; yellowish brown (10YR 5/4).	
5	-5	2	(5-10)	4	0.0 0.3 0.6	X		(8-10) SAND, very fine to fine, subround; well sorted; moist to dry; very pale brown (10YR 8/4).	
10	-10	3	(10-13)	3	0.2 0.4 1.6 1.8 3.3			(10-16) CLAY, medium plasticity; trace small to large pebbles, subround; dry to moist; stiff to medium stiff; grayish brown (10YR 3/2).	
15	-15	4	(13-18)	4	0.0 0.2 0.1	X			Borehole backfilled with bentonite

	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/11/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-4 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.7			(16-30) SAND, very fine to fine, subround, well sorted; dry to moist; very pale brown (10YR 8/4) to brownish yellow (10YR 6/6) and brown (10YR 4/?). NOTE: with depth trace small to large pebbles, subround.	
				0.4					
				0.7					
-20	-20			6.4					
		5	(18-23)	4	4.8				
				3.0					
				3.8					
				0.1					
-25	-25			0.0					
		6	(23-30)	3	1.2				
				NA					
				NA					
-30	-30						End of boring at 30' bgs		

	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/11/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-5 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-5)	5	1.2		(0-0.5) CONCRETE		
					0.4		(0.5-10) CLAY, trace silt, medium to high plasticity; trace sand, trace small to large pebbles, subround; dry; medium stiff to stiff; yellowish brown (10YR 5/4).		
					0.4				
					0.7				
5	-5	2	(5-8)	3	0.1				
					0.0				
					0.6	X			
					0.0				
					0.0				
10	-10	3	(8-13)	5	0.0		(10-21) CLAY, trace silt, high plasticity; trace small to large pebbles, subround; dry to moist; stiff; dark gray (10YR 3/1).		
					0.2				
					0.5				
					0.4				
					0.2				
15	-15	4	(13-18)	5	0.3				Borehole backfilled with bentonite


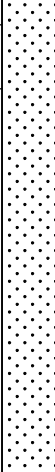

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed Sample for VOCs, SVOCs, Metals, PCBs.
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Date Start/Finish: 8/11/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-5 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.0 0.3 0.0				
-20	-20	5	(18-25)	4.5	NA			(21-25) SAND, some silt, very fine, subround; well sorted; dry to moist; very pale brown (10YR 8/4).	
-25	-25					X		End of boring at 25' bgs	
-30	-30								
-35	-35								


 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed Sample for VOCs, SVOCs, Metals, PCBs.
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Date Start/Finish: 8/11/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 12' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-6a Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	0.2 0.7	×	 (0-0.5) CONCRETE  (0.5-8) SAND, fine, trace granules, trace small pebbles, subround; well sorted; very pale brown (10YR 8/4).	 Borehole backfilled with bentonite	
		2	(3-8)	4.5	0.5 0.4 0.3				
		3	(8-12)	3.5	0.2 0.3 0.4 0.5	×	(8-12) NA		
								End of boring at 12' bgs due to refusal.	
-15	-15								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/12/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-6b Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) ASPHALT	
		1	(0-3)	3	0.1			(0.5-8) CLAY, little silt, low to medium plasticity; trace small to large pebbles, subround; dry; stiff; grayish brown (10YR 5/2).	
					0.2	X			
					0.7				
					0.9				
-5	-5	2	(3-8)	5	0.7				
					0.8				
					1.3				
					0.0			(8-18) CLAY, high plasticity, trace small to large pebbles, subround; dry; stiff; gray (10YR 6/1).	
-10	-10	3	(8-13)	5	0.1				
					0.0				
					0.2				
					0.6				
					0.0				
-15	-15	4	(13-18)	5	0.0				Borehole backfilled with bentonite

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed Relocated 90' south of P3-SB-6b.
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Date Start/Finish: 8/12/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-6b Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.0				
					0.0				
		5	(18-20)	2	2.7			(18-25) SILT, and sand, very fine, well sorted; dry; grayish brown (10YR 3/2).	
-20	-20				8.0				
		6	(20-25)	5	24.1				
					22.1				
					25.1				
-25	-25				18.7	X		End of boring at 25' bgs.	
-30	-30								
-35	-35								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed Relocated 90' south of P3-SB-6b.
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Date Start/Finish: 8/15/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-7 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	2	0.2			(0.5-3) SAND, fine, subround, well sorted; moist to dry; brown (10YR 4/3).	
					0.2				
					0.1				
					0.0			(3-5) CLAY, some silt, medium to low plasticity; trace small to medium pebbles, subround; dry; stiff to medium stiff; dark brown (10YR 2/2).	
5	-5				0.0				2" Sch 40 PVC riser (-2-11' bgs) Bentonite (0-10' bgs)
		2	(3-8)	3	0.5			(5-16) SILT, trace clay, trace sand, very fine, subround; moist to wet; brown (10YR 4/3).	
					0.2				
					1.0				
					1.7				
					1.2				
10	-10	3	(8-13)	4	0.7				
					1.3				
					0.1				
					0.2				
					0.3				
15	-15	4	(13-18)	5	0.0				Sand pack (10-30' bgs) 2" Sch 40 PVC, 10 slot well screen (11-16' bgs)

 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed. Temporary well screened from 11-16' bgs.
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Date Start/Finish: 8/15/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-7 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.0			(16-23) CLAY, and silt, medium plasticity; trace small to medium pebbles, subround; moist; stiff; grayish brown (10YR 5/2).	
					0.7				
-20	-20	5	(18-23)	3.5	0.0			(23-25.5) SAND, very fine, subround, well sorted; moist to dry; very pale brown (10YR 7/4).	
					1.3				
					1.1				
					0.3				
-25	-25	6	(23-28)	5	0.9			(25.5-30) CLAY, and silt, medium plasticity; trace small to medium pebbles, subround; moist; medium stiff; gray (10YR 5/1).	
					1.8				
		7	(28-30)	2	0.1			End of boring at 30' bgs.	
					0.1				

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed. Temporary well screened from 11-16' bgs.
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Date Start/Finish: 8/16/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-8 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	3	5.8			(0.5-10) CLAY, some silt, medium plasticity; trace small to large pebbles, subround; dry; stiff; yellowish brown (10YR 4/6).	
					4.8				
					7.4	X			
					5.5			(10-24) SILT, little clay, low to no plasticity; trace small to medium pebbles, subround; dry; very stiff to hard; grayish brown (10YR 5/2).	
					2.4				
5	-5	2	(3-8)	5	5.5				
					5.1				
					6.7				
					4.9			(10-24) SILT, little clay, low to no plasticity; trace small to medium pebbles, subround; dry; very stiff to hard; grayish brown (10YR 5/2).	
					7.6				
10	-10	3	(8-13)	5	17.6				
					36.5	X			
					20.1				
					5.0				
					2.3				
15	-15	4	(13-18)	5	6.1				Borehole backfilled with bentonite

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/16/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-8 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					24.8				
					28.6				
-20	-20	5	(18-23)	5	1.0				
					1.1				
					0.1				
					0.2				
					1.6				
					0.6				
-25	-25	6	(23-28)	5	3.8			(24-30) SILT, some clay, low plasticity; trace small to large pebbles, subround; dry to moist; stiff to very stiff; gray (10YR 5/1).	
					2.0				
					2.9				
					4.7				
-30	-30	7	(28-30)	2	2.6	X			
								End of boring at 30' bgs.	





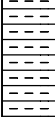




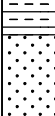

	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/16/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 13' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-9a Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	3	4.3			(0.5-13) SAND, medium to very coarse, trace granules, subround; poorly sorted; gray (10YR 3/1). NOTE: fill.	
					3.7				
					5.8				
					0.6				
5	-5	2	(3-8)	5	2.1				
					3.7				
					3.1				
					2.4				
					0.5				
10	-10	3	(3-13)	5	0.8				
					5.3				
15	-15							End of boring at 13' bgs due to refusal.	

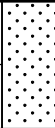

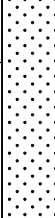

	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed. Met refusal at 13' bgs, will step off 5' east; see additional P3-SB-9b boring log.
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Date Start/Finish: 8/16/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-9b Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	2	3.3			(0-0.5) CONCRETE	Borehole backfilled with bentonite
					3.4			(0.5-14) CLAY, and silt, medium plasticity; trace small to large pebbles, subround; dry to moist; medium stiff; brown (10YR 4/3).	
					3.6	X			
					5.4				
5	-5	2	(3-8)	2.5	2.2				
					2.0				
					7.4				
10	-10	3	(8-13)	2.5	1.8				
					3.8				
					2.7				
15	-15	4	(13-18)	3	4.3			(14-18) SAND, fine to very fine, subround; trace silt; well sorted; dry to moist; yellowish brown (10YR 4/6).	
					1.2				



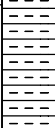









 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/16/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-9b Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					19.2	X			
		5	(18-23)	5	0.1			(18-25) CLAY, little to trace silt, medium to high plasticity; trace small to very large pebbles; dry; stiff; gray (10YR 5/1).	
-20	-20				1.5				
					2.5				
					3.5				
					0.3				
					0.1				
-25	-25	6	(23-28)	5	1.7	X		(25-28.5) SAND, fine, subround; well sorted; dry; very pale brown (10YR 7/4) to grayish brown (10YR 5/2).	
					2.7				
					0.3				
		7	(28-30)	2	2.2			(28.5-30) SILT, dry; very stiff; gray (10YR 5/1).	
-30	-30							End of boring at 30' bgs.	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/17/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-10 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	2	3.4			(0-0.5) CONCRETE	
					6.8	X		(0.5-13) CLAY, and silt, medium to low plasticity; trace small to large pebbles, subround; dry; stiff; yellowish brown (10YR 4/6).	
					2.4				
5	-5	2	(3-8)	3	1.3				
					1.9				
					2.7				
					3.3				
10	-10	3	(8-13)	5	0.7				
					1.8				
					0.2				
					0.1			(13-19) CLAY, and silt, medium to high plasticity; trace small to large pebbles, subround; dry to moist; stiff to medium stiff; gray (10YR 5/1).	
15	-15	4	(13-18)	5	1.6				Borehole backfilled with bentonite

 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/17/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-10 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.3				
					0.2				
					17.9				
-20	-20	5	(18-23)	5	11.7			(19-23) SAND, fine to very fine, subround; well sorted; dry to moist; yellowish brown (10YR 4/6).	
					11.7				
					5.2				
					18.4	X			
					2.9			(23-30) SILT, nonplastic; trace small to medium pebbles, moist; soft; gray (10YR 5/4).	
-25	-25	6	(23-28)	4.5	1.6				
					1.8				
					2.0	X			
-30	-30	7	(28-30)	2					
								End of boring at 30' bgs	



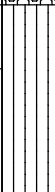


 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/23/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-11 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	4.5			(0-1) CONCRETE	
					1.8			(1-2) SILT, little clay, nonplastic; trace sand, trace small to medium pebbles, subround; gray (10YR 5/1) NOTE: trace red brick fragments.	
					3.5	X		(2-3) SAND, fine to medium, little small to medium pebbles, subround; poorly sorted; moist; brown (10YR 4/3) to very pale brown (10YR 7/4).	
					1.3			(3-4) SAND, coarse to small pebble, subround; poorly sorted; wet; gray (10YR 5/1) NOTE: slight odor, small black particles present.	
					1.4			(4-10) SAND, fine to very fine, trace granules, subround; well sorted; moist to dry; brown (10YR 4/3) to very pale brown (10YR 7/4).	
-5	-5	2	(3-8)	5	1.0				Borehole backfilled with bentonite
					0.3				
					1.5				
					0.7				
-10	-10	3	(8-10)	2	10.5	X			
								End of boring at 10' bgs	
-15	-15								

	Remarks: BGS = Below ground surface Groundwater encountered at 3' bgs. No staining observed. Temporary well screened 2-7' bgs. Shake test negative 3-4' bgs.
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Date Start/Finish: 8/24/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-12 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	2.4 1.9 4.4			(0-3) CONCRETE	
					2.5	×		(3-6) SILT, trace small to large pebbles, subround; moist to wet; brown (10YR 4/3)	
-5	-5	2	(3-8)	5	1.9 1.0 0.6			(6-10) SILT, trace clay, trace small to large pebbles, subround; dry to moist; gray (10YR 5/1).	
		3	(8-10)	2	1.8 3.8	×			
-10	-10							End of boring at 10' bgs	
-15	-15								

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/25/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Hand Auger & Sonic Drilling Sampling Method: Sonic Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-13 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-5)	5	0.0			(0-1) CONCRETE	
					0.0			(1-18) CLAY, and silt, medium plasticity; trace small to large pebbles, subround; moist to dry; medium stiff to stiff; dark grayish brown (10YR 4/2).	
					0.0				
					0.0				
5	-5	2	(5-8)	3	0.1	X			
					0.5				
					0.0				
					0.0				
					0.0				
10	-10	3	(8-13)	3	0.0				
					0.0				
					0.0				
					0.0				
					0.1				
					0.2				
15	-15	4	(13-18)	3	0.0				Borehole backfilled with bentonite


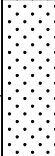
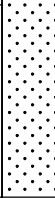
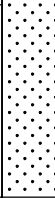


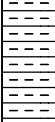
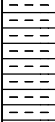



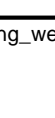

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed. Hand Auger 0-5' bgs.
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Date Start/Finish: 8/25/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Hand Auger & Sonic Drilling Sampling Method: Sonic Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-13 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.0				
					0.0	X			
					0.1			(18-30) Poor Recovery	
-20	-20	5	(18-23)	0.5	NA				
-25	-25	6	(23-30)	0	NA				
-30	-30							End of boring at 30' bgs	

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed. Hand Auger 0-5' bgs.
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Date Start/Finish: 8/19/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-14 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	0.9			(0-0.5) CONCRETE	
					1.1			(0.5-6) SAND, fine, trace granule, subround; well sorted; dry; brown (10YR 4/3).	
					3.0	X			
					1.8				
5	-5	2	(3-8)	4	0.6				
					23.7			(6-16.5) SILT, and clay, low plasticity to nonplastic; trace small to medium pebbles, subround; dry; very stiff; grayish brown (10YR 5/2).	
					19.6	X			
					10.8				
					3.8				
					2.7				
10	-10	3	(8-13)	5	3.6				
					3.0				
					1.7				
					0.2				
15	-15	4	(13-18)	4	0.6				

Borehole backfilled with bentonite

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/19/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-14 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					1.3			(16.5-23) SAND, fine, subround; well sorted; dry; very pale brown (10YR 7/4).	
					5.6				
		5	(18-23)	4	0.6				
-20	-20				1.1				
					0.9				
					1.1				
					1.5				
					0.8			(23-29) CLAY, some silt, medium plasticity; trace small to large pebbles, subround; dry; stiff to medium stiff; gray (10YR 6/1).	
-25	-25	6	(23-28)	3.5	2.4				
					1.7				
					1.3				
					0.9	X			
		7	(28-30)	2	0.8			(29-30) SAND, very fine to fine, subround; well sorted; dry; very pale brown (10YR 7/4).	
					2.3				
-30	-30							End of boring at 30' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/18/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-15 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	3	5.4			(0.5-12) SILT, some clay, trace very fine sand, dry; brown (10YR 4/3).	
					1.3				
					3.6	X			
					5.1				
					3.1				
5	-5	2	(3-8)	4	3.3				
					5.4				
					2.1				
					3.4				
10	-10	3	(8-13)	4	3.6			(12-13) SAND, medium to coarse, subround; well sorted; moist; grayish brown (10YR 5/2).	
					1.2	X			
					1.4			(13-27) CLAY, some silt, medium plasticity; trace small to very large pebbles, subround; dry to moist; medium stiff; gray (10YR 5/1).	
					1.0			NOTE: black (10YR 2/2) seems to be organic rich clay and silt from 13-14' bgs.	
					1.8				
15	-15	4	(13-18)	5	1.8				Borehole backfilled with bentonite

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/18/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-15 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.0				
					0.0				
					0.0				
-20	-20	5	(18-23)	5	0.0				
					1.3				
					1.1				
					0.9				
-25	-25	6	(23-28)	4	3.4				
					0.7				
					1.7	X			
					1.1			(27-30) CLAY, and silt, low plasticity; trace small to large pebbles, subround; dry; hard to very stiff; gray (10YR 5/1).	
					3.8				
		7	(28-30)	1.5	1.0				
-30	-30							End of boring at 30' bgs	

 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/22/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-18 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	3	4.6 2.7			(0.5-12) CLAY, and silt, low plasticity; trace small to large pebbles, subround; dry; very stiff; brown (10YR 4/3) mottled gray (10YR 5/1).	
					1.2	X			
					1.8				
5	-5	2	(3-8)	4	0.3 0.5				
					0.5 0.4				
					0.5				
10	-10	3	(8-13)	4.5	1.3 2.5				
					1.5 1.9			(12-18) CLAY, trace silt, high plasticity; trace small to large pebbles, subround; dry; stiff; gray (10YR 5/1).	
					0.9				
15	-15	4	(13-18)	4.5	2.2 1.2				Borehole backfilled with bentonite



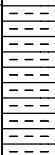
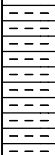
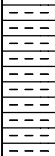


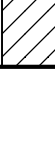


 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/22/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-18 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					1.5				
					1.9				
-20	-20	5	(18-23)	4	0.8			(18-29) CLAY, and silt, low to medium plasticity; trace small to medium pebbles, subround; moist; medium stiff; gray (10YR 5/1).	
					2.6				
					1.4				
					1.5				
					1.5				
-25	-25	6	(23-28)	4	1.6				
					2.5				
					1.5				
					1.8				
					2.3				
		7	(28-30)	1	8.6	X		(29-30) SAND, fine, trace granules, subround; well sorted; dry to moist; brown (10YR 4/3).	
-30	-30							End of boring at 30' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/19/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-19 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	11.6			(0-0.5) CONCRETE	
					61.2			(0.5-12) SILT, and clay, low plasticity; trace small to large pebbles, subround; dry; stiff; grayish brown (10YR 5/2).	
					65.3	X			
					50.1				
		2	(3-8)	5	27.8				
					20.2				
					14.3				
					10.0				
					6.3				
					3.9				
					3.9				
-10	-10	3	(8-13)	5	3.2			(12-18) CLAY, little silt, medium to high plasticity; trace small to large pebbles, subround; dry; medium stiff; gray (10YR 5/1).	
					3.7				
					2.9				
					3.0				
					5.8				
-15	-15	4	(13-18)	4	2.8				Borehole backfilled with bentonite



 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/19/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-19 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					3.7				
					1.5				
-20	-20	5	(18-23)	4	2.0			(18-26) SILT, some to little clay, nonplastic to low plasticity; medium stiff to soft; moist; gray (10YR 5/1).	
					3.3				
					2.3				
					5.1				
					4.3				
-25	-25	6	(23-28)	4	8.2				
					5.6				
					4.3	X			
					2.0			(26-30) SAND, very fine to fine, subround; well sorted; dry; very pale brown (10YR 7/4).	
					1.1				
		7	(28-30)	2	2.3				
-30	-30				14.1				
								End of boring at 30' bgs	





 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/19/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-20 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
					7.3			(0-0.5) CONCRETE	
					3.4			(0.5-10) CLAY, little silt, low plasticity; trace small to large pebbles, subround; dry; stiff; mottled gray (10YR 5/1) and brown (10YR 5/2). NOTE: small sand seam, coarse, poorly sorted; moist, brown (10YR 5/3) from 3.5-3.75 bgs.	
					4.9	X			
					1.8				
-5	-5	1	(0-10)	NA	4.9				
					2.9				
					5.0				
					3.3				
					1.1				
					3.7	X			
-10	-10							End of boring at 10' bgs	
									Borehole backfilled with bentonite



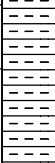
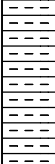

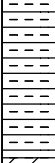
 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/24/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-21 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	1.5 0.6 0.5			(0-3) CONCRETE	
					2.2	×		(3-7) SILT, trace small to large pebbles, subround; moist to wet; brown (10YR 4/3).	
-5	-5	2	(3-8)	4	1.2 0.8			(7-10) SILT, trace clay, trace small to medium pebbles, subround; moist; gray (10YR 5/4).	
		3	(8-10)	1.5	0.9 2.5	×			
-10	-10							End of boring at 10' bgs	
-15	-15								

 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/25/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-22 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	2	0.1			(0-1) CONCRETE	
					0.0			(1-13) CLAY, and silt, low plasticity; trace small to large pebbles, subround; hard to stiff; dry; brown (10YR 4/3).	
					0.0				
					0.5	X			
5	-5	2	(3-8)	4	0.5				
					0.3				
					2.3				
					2.0				
10	-10	3	(8-13)	5	2.0				
					1.1				
					0.2				
					1.2			(13-15) CLAY, high plasticity; trace small to large pebbles, subround; dry to moist; stiff; gray (10YR 5/1).	
					0.5				
15	-15	4	(13-18)	5	0.4			(15-19) SAND, very fine to fine, subround; well sorted; dry to moist; brown (10YR 4/3).	
									Borehole backfilled with bentonite














 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/25/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-22 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					10.2		[Dotted pattern]		
					12.7				
		5	(18-23)	5	2.4		[Vertical lines]		
					0.3			(19-25) SILT, some clay, medium plasticity; trace small to medium pebbles, subround; medium stiff; dry to moist; brown (10YR 4/3).	
-20	-20				0.7				
					1.7				
					2.4				
		6	(23-30)	7	0.2		[Vertical lines]		
					0.4				
-25	-25				0.7			(25-28) SILT, some clay, medium plasticity; trace small to large pebbles, subround; medium stiff; dry to moist; gray (10YR 5/1).	
					1.3				
					0.8			[X symbol]	
		1.4			(28-30) SAND, fine, well sorted; dry; very pale brown (10YR 7/4).				
					2.0	[Dotted pattern]			
-30	-30							End of boring at 30' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/18/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-23 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	NA			(0-3) CONCRETE	
					1.9			(3-10) CLAY, low plasticity; trace small to large pebbles, subround; dry; hard to very stiff; grayish brown (10YR 5/2).	
5	-5	2	(3-8)	4.5	5.6	X			
					5.2				
					4.3				
					1.9				
					2.2				
10	-10	3	(8-13)	4.5	3.4			(10-14) SILT, trace very fine sand; moist; soft; gray (10YR 5/1).	
					3.6				
					6.3				
					0.9				
					1.4			(14-19.5) CLAY, some silt, medium plasticity; trace small to large pebbles, subround; moist; stiff; grayish brown (10YR 5/2).	
15	-15	4	(13-18)	5	0.8				

Borehole backfilled with bentonite


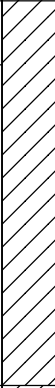

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/18/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-23 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.5				
					0.2				
		5	(18-20)	2	0.1				
20	-20				3.6	X		(19.5-20) SAND, very fine to fine, trace granules, subround; well sorted; moist; gray (10YR 5/1).	
								End of boring at 20' bgs	
25	-25								
30	-30								
35	-35								

	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/18/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-24 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	1.1 2.8 5.3			(0-3) TOPSOIL, clay, little sand, trace silt.	
		2	(3-8)	4.5	6.4 8.4 5.5 6.1 12.9	X		(3-9) CLAY, little silt, low plasticity; trace sand, trace small to large pebbles; subround; dry; stiff; dark grayish brown (10YR 4/2).	Borehole backfilled with bentonite
		3	(8-10)	1.7	11.3 4.0	X		(9-10) CLAY, trace silt, medium plasticity; trace small to large pebbles, subround; dry; stiff to medium stiff; gray (10YR 6/1).	
10	-10							End of boring at 10' bgs	
15	-15								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/18/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-26 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	2.5	3.9			(0.5-6.5) SILT, trace very fine sand, moist; brown (10YR 4/3).	
					1.5				
					1.5				
					10.5				
5	-5	2	(3-8)	3	13.9				
					3.2				
					1.3	X		(6.5-7) SAND, fine to medium, subround; well sorted; moist; yellowish brown (10YR 6/6) NOTE: black (10YR 2/2) discoloration, odor.	
					0.7			(7-10) CLAY, little silt, trace small to large pebbles, subround; dry; stiff; brown (10YR 4/3).	
					2.5				
					3.6				
10	-10	3	(8-13)	5	6.1			(10-10.5) SAND, medium to coarse, trace granule, subround; well sorted; moist; grayish brown (10YR 5/2).	
					6.1			(10.5-19.5) CLAY, little silt, medium to high plasticity; trace small to large pebbles, subround; dry; medium stiff; dark gray (10YR 3/1).	
					7.4	X			
					5.6			NOTE: organic rich layer, black (10YR 2/1) discoloration from 11-12' bgs.	
					1.3				
					0.3				
15	-15	4	(13-18)	5	1.3				Borehole backfilled with bentonite



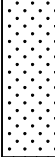

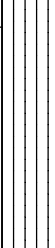

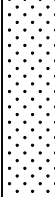

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No staining observed. Shake test positive 6.5-7' bgs.
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Date Start/Finish: 8/18/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-26 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					1.2				
		5	(18-20)	2	1.8				
20	-20				0.4	X		(19.5-20) SAND, very fine to fine, trace granules, subround; well sorted; moist; gray (10YR 5/1).	
								End of boring at 20' bgs	
25	-25								
30	-30								
35	-35								

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No staining observed. Shake test positive 6.5-7' bgs.
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Date Start/Finish: 8/23/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-27 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	0.1			(0-1) CONCRETE	 Borehole backfilled with bentonite
					0.6			(1-3.5) SAND, fine, trace small pebbles, subround; dry; very pale brown (10YR 7/4).	
					0.8				
					1.1			(3.5-8.5) SILT, nonplastic; moist; soft to very soft; dark gray (10YR 4/1) to black (10YR 2/1).	
-5	-5	2	(3-8)	5	1.3	X			
					0.4				
					0.5				
					1.2				
					0.8			(8.5-15) SAND, fine, subround; well sorted; dry; very pale brown (10YR 7/4).	
					0.9				
-10	-10	3	(8-13)	5	2.5				
					0.8				
					5.2				
					2.3				
		4	(13-15)	2	7.3	X			
-15	-15							End of boring at 15' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/16/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-28 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	2	2.9			(0.5-12) SAND, fine to medium, subround; well sorted; moist to wet; brown (10YR 4/3) to yellowish brown (10YR 4/6).	
					2.8	X			
					1.6				
					4.1				
-5	-5	2	(3-8)	2.5	5.1				
					1.3				
					6.9				
					0.9				
-10	-10	3	(8-13)	5	4.5				
					11.2				
					20.1				
					35.6	X		(12-15) CLAY, some silt, medium to low plasticity; trace sand, trace small to large pebbles, subround; dry; gray (10YR 5/1).	
		4	(13-15)	2	17.3				
					13.1				
					9.2				
-15	-15							End of boring at 15' bgs.	

	Remarks: BGS = Below ground surface Groundwater not encountered. No staining observed. Shake test negative at 11' bgs. Temporary well screened from 8-13' bgs.
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Date Start/Finish: 8/16/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20'bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-29 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	1.5	3.9			(0.5-10) SAND, fine to medium, subround; well sorted; moist to wet; brown (10YR 4/3).	
					0.7				
					0.5				
					0.3				
5	-5	2	(3-8)	5	1.8				
					0.9				
					1.0				
		3	(8-10)	1.5	2.0				
					1.7				
10	-10				4.0			(10-20) CLAY, little silt, medium plasticity; trace sand, trace small to medium pebbles, subround; dry to moist; gray (10YR 5/1).	
					4.9	X			
		4	(10-15)	5	2.8				
					2.6				
					1.2				
15	-15				2.2				Borehole backfilled with bentonite

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/16/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20'bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-29 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20	5	(15-20)	4.5	3.2 4.6 0.9 1.5 2.1 3.1	X		End of boring at 20' bgs.	
25	-25								
30	-30								
35	-35								

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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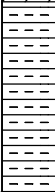
Date Start/Finish: 8/12/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-30 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	8.4			(0-0.5) CONCRETE	
					1.3			(0.5-3) SAND, fine, and concrete, trace granules, trace small pebbles, subround; well sorted; very pale brown (10YR 8/4) to brown (10YR 4/3). NOTE: fill.	
					6.9			(3-9) CLAY, little silt, low plasticity; trace small to large pebbles, subround; dry; stiff; grayish brown (10YR 5/2). NOTE: odor.	
5	-5	2	(3-8)	4	81.8				
					301				
					265				
					64.8				
					53.4				
					51.6				
					19.2			(9-15) CLAY, and silt, low plasticity; trace small to large pebbles, subround; dry; very stiff to stiff; grayish brown (10YR 5/2).	
					19.6				
		3	(8-15)	7	7.3				
					3.1				
					2.2				
					2.7				
15	-15				2.6				
								End of boring at 15' bgs.	

Borehole backfilled with bentonite

	Remarks: BGS = Below ground surface Groundwater not encountered. No staining observed. Shake test positive from 4-5' bgs.
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Date Start/Finish: 8/17/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-34 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	1.7 3.9			(0-3) TOPSOIL, clay, some silt, medium plasticity; trace sand, trace small to medium pebbles, subround; moist; medium stiff; dark brown (10YR 2/2).	Borehole backfilled with bentonite
					3.7				
		2	(3-8)	4.5	0.2 0.8 2.4	X		(3-13) CLAY, little silt, medium to high plasticity; trace small to medium pebbles, subround; moist; medium stiff; very dark gray (10YR 3/1).	
					0.2 0.3				
		3	(8-13)	4	1.5 1.8 0.5				
					1.0				
					1.2			(13-18) CLAY, and silt, medium to low plasticity; trace small pebbles, subround; moist; medium stiff; gray (10YR 5/1).	
		4	(13-18)	5	1.8 2.3				





 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/17/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-34 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					1.6	X			
-20	-20	5	(18-23)	4.5	1.3			(18-22) CLAY, little silt, medium to high plasticity; trace small to medium pebbles, subround; moist to dry; stiff; gray (10YR 5/1) NOTE: small sand seam, very fine, brown (10YR 4/3) at 20' bgs.	
					1.1				
					2.2			(22-27.5) CLAY, and silt, medium to low plasticity; trace small to large pebbles, subround; moist; medium stiff; gray (10YR 5/1).	
-25	-25	6	(23-28)	4	2.2				
					1.8	X			
					1.8			(27.5-30) SAND, very fine to fine, subround; well sorted; dry to moist; very pale brown (10YR 7/4) to brown (10YR 4/3).	
-30	-30	7	(28-30)	1.7	1.3				
					0.7				
								End of boring at 30' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/17/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-35 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	2.6 3.3	X		(0-3) TOPSOIL, clay, some silt, trace sand.	
					3.7				
		2	(3-8)	3.5	2.5 6.4 2.3			(3-10) SILT, some clay, trace small to medium pebbles, subround; dry; stiff; grayish brown (10YR 5/2).	
-5	-5				3.2 3.9				
		3	(8-13)	4	7.0 4.3			(10-15) CLAY, little silt, high plasticity; trace small to large pebbles, subround; dry to moist; stiff; gray (10YR 5/1).	
					1.8				
					0.1 0.5				
					2.3	X			
		4	(13-18)	4	7.8 12.3			(15-22) SILT, little clay, small to medium pebbles, subround; very stiff to stiff; dry; brown (10YR 4/3).	
-15	-15								Borehole backfilled with bentonite

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/17/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SB-35 Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					9.3				
					2.9				
-20	-20	5	(18-23)	4.5	3.3				
					2.3	X			
					4.1			(22-30) SAND, medium to coarse, little granules, subround; poorly sorted; moist; brown (10YR 4/3) to very pale brown (10YR 7/4).	
-25	-25	6	(23-30)	2	NA				
-30	-30							End of boring at 30' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/12/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SS-15-RO Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	1.5	5.0			(0-2.5) ASPHALT, and sand, fine, trace granules, trace small pebbles, subround; well sorted; very pale brown (10YR 8/4). NOTE: fill.	
					8.0				
					1.8				
					0.6			(2.5-9) CLAY, little silt, low plasticity; trace small to large pebbles, subround; dry; stiff; grayish brown (10YR 5/2).	
5	-5	2	(3-8)	5	0.3	X			
					0.8				
					1.0				
					0.5				
					0.6			(9-18) CLAY, high plasticity; trace small to large pebbles, subround; dry; stiff; gray (10YR 6/1).	
10	-10	3	(8-13)	5	0.9				
					0.5				
					0.2				
					0.7				
15	-15	4	(13-18)	3	1.2				

Borehole backfilled with bentonite

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/12/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P3-SS-15-RO Client: RACER Trust Location: Lansing Plant 3 Lansing, MI
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
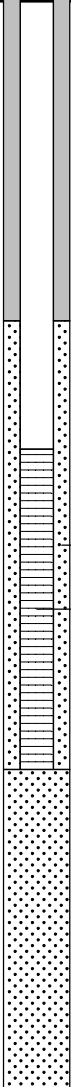









DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.9				
		5	(18-20)	1.7	5.3			(18-20) SILT, and sand, very fine, well sorted; dry; grayish brown (10YR 3/2).	
20	-20				4.8	X		End of boring at 20' bgs.	
25	-25								
30	-30								
35	-35								


 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Boring Logs

Plant 6


Date Start/Finish: 8/5/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 33' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-MW-1 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
						X		(16.5-18) SAND, fine, subround; little silt; well sorted; moist; yellowish brown (10YR 5/4).	 <p>Sand Pack (21-33' bgs) 2" Stainless Steel, 10 slot well screen (23-28' bgs)</p>
								(18-19) SAND, medium to coarse, trace small pebbles, subround; well sorted; moist to wet; dark yellowish brown (10YR 4/4).	
								(19-23) CLAY, some silt, medium plasticity; trace small to very large pebbles, subround; moist; stiff; dark gray (10YR 4/1).	
-20	-20	4	(18-23)	NA					
						X		(23-27.5) SAND, medium to coarse, trace granules, subround; well sorted; wet; grayish brown (10YR 5/2).	
-25	-25								
								(27.5-33) CLAY, and silt, medium plasticity; trace small to large pebbles, subround; medium stiff to stiff; moist; dark gray (10YR 4/1).	
-30	-30	5	(23-33)	9					
									
									
								End of boring at 33' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater encountered at 18' bgs. No odor or staining observed. Temporary well screened 23-28' bgs.
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Date Start/Finish: 8/10/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-2 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	0.1		X X	(0-0.5) FILL, crushed concrete, CLAY and SAND, fine, subround; well sorted; dry; yellowish brown (10YR 5/4).	
					0.3			(0.5-9.5) CLAY, little silt, medium to low plasticity; trace small to large pebbles, subround; dry; stiff to very stiff; yellowish brown (10YR 5/4).	
					0.3	X			
					0.0				
5	-5	2	(3-8)	5	0.1				
					0.0				
					0.3				
					0.4				
					0.1				
					0.2				
					0.3				
10	-10	3	(8-13)	3.5	0.4			(9.5-16) CLAY, little silt, medium to high plasticity; trace sand, trace small to large pebbles, subround; moist to dry; stiff to medium stiff, gray (10YR 5/1) NOTE: <1cm sand lense, moist to wet.	
					0.6				
					0.2				
					0.1				
					0.2				
15	-15		(13-18)	4.5	0.3				Borehole backfilled with bentonite


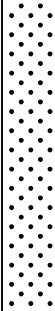
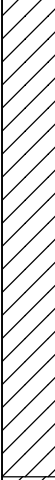

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/10/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-2 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.3			(16-30) CLAY, trace silt, medium to high plasticity; trace small to medium pebbles, subround; dry; dark gray (10YR 2/1).	
					0.3				
					0.8				
					0.3				
-20	-20	4	(18-23)	5	0.1				
					0.3				
					0.3				
		5	(23-25)	2	2.2				
-25	-25				1.7				
					1.3				
					0.2				
					1.2				
		6	(25-30)	4.5	0.4				
					0.5				
					1.1	X			
-30	-30						End of boring at 30' bgs		

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 7/25/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-3 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-5)	0.0	0.0		 (0-0.5) ASPHALT  (0.5-5.5) SAND, very fine to fine, some clay, little silt, little granules, trace small pebbles, subround to subangular; poorly sorted; dry; dark yellowish brown (10YR 4/6).		
5	-5	2	(5-8)	3.5	0.8		 (5.5-13) CLAY, little silt, medium plasticity; little sand, trace small to large pebbles; dry to moist; medium stiff; dark yellowish brown (10YR 4/4) mottled with gray (10YR 5/1).		
10	-10	3	(8-13)	5.0	0.8		 (13-29.5) CLAY, some silt, medium plasticity; trace small to large pebbles, subround to subangular; moist to dry; stiff; very dark gray (10YR 3/1).		
15	-15	4	(13-18)	5.0	8.5				

Borehole backfilled with bentonite

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Hand augered to 5' bgs Groundwater not encountered No odor or staining observed
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Date Start/Finish: 7/25/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-3 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					9.0				
					4.0				
					0.0				
-20	-20	5	(18-23)	5.0	0.0				
					0.0				
					0.1				
					0.0				
					0.4				
-25	-25	6	(23-30)	7.0	0.2				
					0.3				
					0.3				
					0.7				
-30	-30				1.3			(29.5-30) SILT, trace sand, subround to subangular; moist; very dark gray (10YR 3/1).	
								End of boring at 30' bgs	

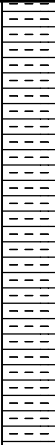

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Hand augered to 5' bgs Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/4/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-5 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-8)	6	0.0	X		(0-5) SILT, little clay, nonplastic to low plasticity; dry; soft; brownish yellow (10YR 6/6).	
					0.0			(5-5.25) SAND, fine, trace granules, subround; little clay; well sorted; moist to wet; yellowish brown (10YR 5/6).	
					0.0			(5.25-10) SILT, some clay, medium plasticity; trace small to large pebbles, subround; moist; stiff; gray (10YR 5/1).	
					0.0			(10-14) CLAY, trace silt, low plasticity; trace small to medium pebbles, subround; dry; very stiff; yellowish brown (10YR 5/4) mottled gray (10 YR 5/1).	
		2	(8-13)	3.2	0.0			(14-23) SILT, and clay, medium to high plasticity; trace small to medium pebbles, subround; moist; medium stiff to soft; grayish brown (10YR 5/2).	
					0.0				Borehole backfilled with bentonite

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/4/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-5 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
-20	-20	3	(13-23)	6	0.0				
-25	-25	4	(23-30)	5	0.0			(23-30) CLAY, some silt, medium plasticity; trace small to medium pebbles, subround; dry; stiff; dark gray (10YR 4/1).	
-30	-30				1.0	X			
					3.5				
					3.3				
								End of boring at 30' bgs	

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/3/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-6 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-8)	4.5				(0-0.5) FILL, crushed concrete, metal wire, rebar, rubber. (0.5-4) SAND, very fine to fine, trace granules to small pebbles, subround; well sorted; moist to wet; brownish yellow (10YR 6/6). (4-5) CONCRETE, crushed (5-13) CLAY, little silt; trace small to large pebbles, subround; moist; medium stiff; greenish gray (2.5YR 6/1).	
-5	-5								
		2	(8-18)	5				(13-27) CLAY, some silt; trace sand, trace granules to large pebbles, subround; dry to moist; medium stiff to stiff; gray (10YR 5/1).	
-10	-10								
-15	-15								
									Borehole backfilled with bentonite

 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed Temporary well screened 25-30' bgs.
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Date Start/Finish: 8/3/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-6 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.0				
-20	-20	3	(18-23)	2.5	0.0				
-25	-25	4	(23-30)	5	0.0				
					0.0			(27-30) SAND, fine to medium, subround; little clay; well sorted; moist to wet; grayish brown (10YR 5/2).	
					0.0	X			
-30	-30				0.0			End of boring at 30' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed Temporary well screened 25-30' bgs.
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Date Start/Finish: 8/9/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-7 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	3	0.3		X X	(0-0.5) FILL, crushed concrete, SAND, fine, subround; well sorted; moist; yellowish brown (10YR 5/6).	
					0.5			(0.5-9) CLAY, little silt, medium plasticity; small to large pebbles, subround; dry; stiff to very stiff; brownish yellow (10YR 6/8) NOTE: roots from 0.5-2.5' bgs.	Bentonite (0-2' bgs)
					0.4				
					0.2		X		
					0.6				
5	-5	2	(3-10)	4.5	0.5				2" Sch 40 PVC riser (-2-15' bgs)
					0.3				
					0.2				
10	-10	3	(10-15)	4	0.1			(9-16) CLAY, and silt, high plasticity; trace sand, small to medium pebbles, subround; moist; medium stiff to soft; grayish brown (10YR 5/2).	Sand Pack (2-25' bgs)
					0.8				
					0.5				
					0.3				
					0.1				
					0.0				
					0.2				
15	-15				0.1		X		

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed. Temporary well screened 15-20' bgs.
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Date Start/Finish: 8/9/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-8 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	2.8	1.3		XXXXXX	(0-1.5) FILL, crushed concrete, sand, fine, subround, well sorted; dry; yellowish brown (10YR 5/4)	
					1.7		XXXXXX	(1.5-15) CLAY, little silt, medium to low plasticity; trace small to large pebbles, subround; dry; very stiff; yellowish brown (10YR 5/8).	
					0.2	X			
					0.2				
5	-5	2	(3-8)	3.5	1.1				
					0.3				
					0.1				
					0.0				
10	-10	3	(8-13)	3.5	0.7				
					0.4				
					0.1				
					0.6				
					0.4	X			
15	-15				0.1		(15-16) SAND, medium to very coarse, trace granules, subround; poorly sorted; wet; gray (10YR 5/1).	

Borehole backfilled with bentonite

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater encountered at 15' bgs No odor or staining observed
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Date Start/Finish: 7/27/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-9 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) ASPHALT	
		1	(0-5)	5	1.3			(0.5-2) SAND, very fine to fine, subround; well sorted; dry; light yellowish brown (10YR 6/4)	
					1.7			(2-7.5) CLAY, medium to high plasticity, some sand, trace silt, trace granules, trace small to medium pebbles, subround to subangular; moist; medium stiff; very dark gray (2.5YR 2.5/1)	
					1.2				
					0.0				
-5	-5	2	(5-8)	3.5	0.1			(7.5-12) CLAY, and sand, little silt, medium to high plasticity; trace granules, trace small to large pebbles, subround to subangular; moist; stiff, pale brown (10YR 6/3). NOTE: small (1cm thick) sand lenses.	Bentonite (0-8' bgs) 2" Sch 40 PVC riser (-2-10' bgs)
					0.1				
					0.2				
					0.0				
-10	-10				0.0				
					0.0				
					0.6				
					0.7			(12-30) CLAY, and silt, medium plasticity; trace sand, trace small to large pebbles, subround to subangular; moist; stiff; gray (10YR 6/1).	Sand Pack (8-30' bgs) 2" Sch 40 PVC, 10 slot well screen (10-15' bgs)
		3	(8-18)	9	0.0				
					0.1				
					0.1				
-15	-15								

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Hand cleared to 5' bgs. Groundwater not encountered. No odor or staining observed. Temporary well screened from 10'-15' bgs.
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Date Start/Finish: 7/27/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-9 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.2				
					0.5				
					0.1				
-20	-20				0.0	X			
					0.1				
					0.0				
		4	(18-30)	12	0.0				
-25	-25				0.0				
					0.0				
					0.0				
					0.2				
					0.0				
					0.1				
-30	-30				0.0			End of boring at 30' bgs	




 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Hand cleared to 5' bgs. Groundwater not encountered. No odor or staining observed. Temporary well screened from 10'-15' bgs.
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Date Start/Finish: 7/27/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-10 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20				0.9	X		(17-20) CLAY, and silt, medium to low plasticity; dry to moist, stiff, gray (10YR 6/1).	
					3.5			End of boring at 20' bgs	
25	-25								
30	-30								
35	-35								


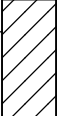
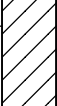

	Remarks: BGS = Below ground surface Hand auger to 5' bgs. Groundwater not encountered. No odor or staining observed. Temporary well screened from 12-17' bgs. Temporary well reset and screened 13-18' bgs on 7/29/11.
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Date Start/Finish: 7/26/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 2' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-11a Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-2)	2	0.1			(0-0.5) ASPHALT	 Borehole backfilled with bentonite
					0.5			(0.5-2) SAND, fine, little silt, trace clay, some granules, some small to medium pebbles, subangular; poorly sorted; moist; black (10YR 2/1). NOTE: dark staining and odor.	
								End of boring at 2' bgs due to refusal.	
-5	-5								
-10	-10								
-15	-15								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered.
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Date Start/Finish: 7/27/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-11b Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) ASPHALT	
		1	(0-5)	5	0.3	X		(0.5-1.5) SAND, very fine, some clay, trace silt, trace granules, subround; well sorted; dry; olive brown (2.5YR 4/3).	
					0.9			(1.5-6) CLAY, trace silt, medium to high plasticity; little sand, trace granules, trace small pebbles, subangular; moist; soft; brown (10YR 4/3) NOTE: twigs and organics, slight odor.	
5	-5				5.7			(6-6.5) FILL, moist to wet; very soft; white (10YR 8/1) and gray (10YR 6/1). NOTE: twigs and organics, slight odor.	Borehole backfilled with bentonite
		2	(5-10)	3.5	2.6	X		(6.5-10) CLAY, trace silt, medium to high plasticity; little sand, trace granules, trace small pebbles, subangular; moist; soft; very dark gray (10YR 3/1).	
					2.1	X			
10	-10							End of boring at 10' bgs	



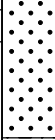

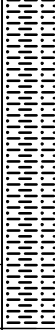
 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered during drilling. No staining observed. Groundwater measured at 7.9' bgs in open borehole. A temporary well was not set due to insufficient water.
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Date Start/Finish: 7/27/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-12 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.75) CONCRETE	<p>Backfill (0-0.5' bgs) 2" Sch 40 PVC riser (-2-3' bgs) Bentonite (0.5-2' bgs) Sand Pack (2-10' bgs) 2" Sch 40 PVC, 10 slot well screen (3-8' bgs)</p>
0.9		1	(0-5)	5		X	(0.75-2) SAND, very fine to fine, some clay, some silt, little granules, trace small to large pebbles, subround; poorly sorted; moist to wet; dark yellowish brown (10YR 4/6). NOTE: rubber, glass, and foam car window liner found		
0.8							(2-10) CLAY, some silt, high plasticity; trace sand, trace small to medium pebbles, subround to subangular; black (10YR 2/1) to dark gray (10YR 4/1). NOTE: water filled hole/boring fast while hand clearing within 5'. NOTE: wet to moist, very soft from 5-7' bgs		
0.6	-5						NOTE: decrease in moisture, medium stiff from 7-10' bgs		
1.3		2	(5-10)	5		X			
0.8									
0.5									
0.3						X			
10	-10							End of boring at 10' bgs	
-15	-15								

 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Groundwater encountered at 2.5' bgs No odor or staining observed Temporary well screened 5-10' bgs. Temporary well reset and screened 3-8' bgs on 7/29/11.
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Date Start/Finish: 7/27/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-13 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-5)	5	0.0	X		(0-0.75) CONCRETE	
					0.0			(0.75-3) SAND, fine, trace clay, trace silt, little granules, trace small to large pebbles, subangular; poorly sorted; dry to moist; dark yellowish brown (10YR 4/6).	
					0.0			(3-10) CLAY, and sand, medium to low plasticity; little silt, little granules, trace small to large pebbles, subangular; dry; stiff; brown (10YR 4/3) and dark yellowish brown (10YR 4/6). NOTE: small to large pebble sized pieces of black (10YR 2/1) slag, small sand lenses from 3-10' bgs	
5	-5	2	(5-10)	3.5	0.1 0.8				
10	-10				0.6	X		End of boring at 10' bgs	
15	-15								

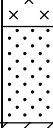
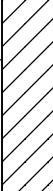

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/1/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 13' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-15 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
							(0-3) CONCRETE		Borehole backfilled with bentonite
					0.6		(3-6) SAND, fine to medium, trace granules, subround; well sorted; wet; yellowish brown (10YR 5/4) NOTE: Fill-like.		
-5	-5	1	(0-13)	12	0.0	X	(6-13) CLAY, trace silt, high plasticity; trace sand, trace small to large pebbles, subround; dry to moist; medium stiff to stiff; mottled yellowish brown (10YR 5/6) and gray (10YR 6/1).		
					0.5	X			
					0.2				
					0.3				
					0.7				
					0.6				
					0.5				
								End of boring at 13' bgs	
-15	-15								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater encountered at 3' bgs No odor or staining observed
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Date Start/Finish: 8/1/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-16 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) FILL, crushed concrete.	
					0.3			(0.5-2) SAND, fine to medium, trace granules, subround; well sorted; dry; yellowish brown (10YR 5/4).	
					0.3	X		(2-12.5) CLAY, trace silt, medium plasticity; trace medium sand, trace small to medium pebbles, subround; dry; stiff; mottled dark yellowish brown (10YR 4/6) and gray (10YR 5/1).	
5	-5	1	(0-10)	7	0.3				
					0.0				
					1.1				
10	-10				0.1				Borehole backfilled with bentonite
					0.7			(12.5-20) CLAY, and silt, high plasticity; trace sand, trace small to large pebbles, subround; moist; soft; gray (10YR 6/1).	
					0.2	X			
15	-15	2	(10-20)	7.5	0.2				

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/1/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-16 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20				0.1			End of boring at 20' bgs	
					0.0				
					0.0				
					0.0	X			
25	-25								
30	-30								
35	-35								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/1/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-17 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
								(0-0.5) FILL, crushed concrete.	
					0.4	X		(0.5-7.5) CLAY, trace silt, medium to high plasticity; trace sand, trace small to medium pebbles, subround; dry; medium stiff to stiff; mottled dark yellowish brown (10YR 3/6) and gray (10YR 5/1).	
					1.4				
-5	-5	1	(0-10)	8	0.5				
					0.8				
					0.5			(7.5-20) CLAY, and silt, high plasticity; little sand, trace small to large pebbles, subround; moist; medium stiff to stiff; gray (10YR 5/1).	
					0.0				
-10	-10				0.2	X			Borehole backfilled with bentonite
					0.1				
					0.0				
-15	-15	2	(10-20)	7	0.1				
					0.0				


 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/1/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-17 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20				0.3			End of boring at 20' bgs	
					0.5				
					0.7				
					0.4	X			
25	-25								
30	-30								
35	-35								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/10/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-19 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-3)	2.5	0.1			(0.5-14) CLAY, trace silt, medium to high plasticity; trace small to large pebbles, subround; dry to moist; stiff to medium stiff; yellowish brown (10YR 5/4).	
					0.5	X			
					0.3				
					0.8				
5	-5	2	(3-8)	4	1.1				
					0.8				
					0.3				
		3	(8-10)	2	1.2				
					1.0				
10	-10				0.4				
					0.4				
		4	(10-15)	5	0.3				
					0.1				
					0.2	X		(14-15) CLAY, little silt, high plasticity; trace sand, trace small to medium pebbles, subround; moist; medium stiff; yellowish brown (10YR 5/4).	
15	-15							End of boring at 15' bgs	

Borehole backfilled with bentonite

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/2/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-20 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
					NA			(0-4) CONCRETE	
5	-5	1	(0-14)	12	0.0	X		(4-14) CLAY, trace silt, medium plasticity; trace small to very large pebbles, subround; dry; stiff; very dark grayish brown (10YR 3/2). NOTE: color change to light reddish brown (2.5YR 7/3) at 5' bgs. NOTE: color change to light yellowish brown (10YR 6/4) at 8' bgs.	 Borehole backfilled with bentonite
10	-10				0.0				
					0.0				
					0.0				
					0.0				
					0.0				
					0.0				
					0.0				
					0.0				
					1.1	X			
15	-15							End of boring at 14' bgs	

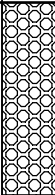


 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 7/26/11 Drilling Company: MATECO Drilling Driller's Name: Neal and Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-22 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) ASPHALT	
		1	(0-5)	5	0.1			(0.5-7) CLAY, and silt, trace sand.	
					0.3				
					0.4				
					1.8				
					4.1				
5	-5				2.4				
					5.1				
		2	(5-10)	5	35.8			NA	
					23.8			(7.5-8.5) FILL, moist to wet, very soft, white (10YR 8/1) and gray (10YR 6/1). NOTE: some sticks and slight odor from 7.5-8.5' bgs	
					10.6			(8.5-9) CLAY, and silt, high plasticity; trace sand, trace granules, trace small pebbles, subround to subangular; moist to wet; soft to very soft; very dark grayish brown (10YR 3/2).	
10	-10				10.5			(9-10) SAND, fine, little silt, subround to subangular; well sorted; moist to wet; gray (10YR 5/1).	
								End of boring at 10' bgs	


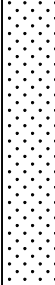

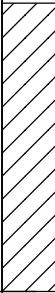
	Remarks: BGS = Below ground surface Hand auger from 0-5' bgs. Groundwater not encountered during drilling. No staining observed. Temporary well screened from 5'-10' bgs. Temporary well reset 7/29/11 from 3'-8' bgs.
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Date Start/Finish: 7/25/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-24 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-5)	NA	NA			(0-3) CONCRETE	
					9.2			(3-10) CLAY, trace silt, medium to high plasticity, trace sand, trace small to very large pebble, subround to subangular; moist to wet; soft to medium stiff; dark grayish brown (10YR 4/2). NOTE: dark staining and odor from 0-5' bgs NOTE: borehole filled with water.	
		2	(5-10)	NA	2.1 1.7 1.3 1.5 1.0			NOTE: moist to dry from 7-10' bgs	
10	-10							End of boring at 10' bgs	
15	-15								



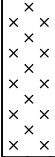

 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Hand cleared and vaxcavated to 5' bgs Groundwater not encountered Oil in Soil Shake test positive 0-5' bgs.
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Date Start/Finish: 7/25/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-25 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-5)	5	0.0		 (0-1) CONCRETE  (1-5.5) SAND, very fine, trace silt, trace clay, trace granules, trace small pebbles, subround to subangular; well sorted; moist to wet; dark yellowish brown (10YR 4/4).	 Borehole backfilled with bentonite	
		2	(5-10)	4.5	0.0	 (5.5-10) CLAY, little silt, medium plasticity; little sand, trace small to large pebbles, subround to subangular; wet to moist; very soft; yellowish brown (10YR 5/4).			
					0.3		NOTE: medium stiff from 8.5-10' bgs		
10	-10				0.0			End of boring at 10' bgs	
15	-15								

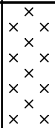







 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: BGS = Below ground surface Hand auger and vaxcavated from 0-5' bgs Groundwater not encountered No odor or staining observed
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Date Start/Finish: 7/25/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-26 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-5)	5	0.0			(0-1) CONCRETE	
					0.0			(1-3.5) FILL, sand, fine to medium, trace silt, trace granule, trace small to medium pebble, subround to subangular; poorly sorted; moist; dark yellowish brown (10YR 4/4).	
					0.0			(3.5-10) CLAY, trace silt, medium plasticity; trace sand, trace small to very large pebble, subround to subangular; dry to moist; stiff; dark yellowish brown (10YR 4/6).	
5	-5	2	(5-10)	4	0.0				
10	-10							End of boring at 10' bgs	
15	-15								

	Remarks: BGS = Below ground surface Hand cleared and vaxcavated to 5' bgs Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/3/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-27 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-8)	4				(0-2) FILL, crushed concrete, metal rebar, plastic	
								(2-4) CLAY, low plasticity; dry; stiff; black (10YR 2/1) and dark grayish brown (10YR 4/2).	
-5	-5							(4-6) CLAY, trace silt, low plasticity; little sand, trace small to medium pebbles, subround; dry; stiff; very dark brown (10YR 2/2).	
								(6-19) CLAY, trace silt, low plasticity; trace small to very large pebbles, subround; dry; stiff; dark yellowish brown (10YR 4/6).	
									
-10	-10								
		2	(8-18)	4.5	0.0				
									
-15	-15				0.0				

Borehole backfilled with bentonite





 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed Oil in Soil shake test negative 26-27' bgs. Temporary well screened 25-30' bgs.
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Date Start/Finish: 8/3/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 30' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-27 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.0				
					0.0				
-20	-20				0.0			(19-23) CLAY, some silt, low plasticity; moist; medium stiff; brown (10YR 4/3).	
		3	(18-23)	2.7	18.3				
					31.2	X			
								(23-30) SAND, very fine to medium, trace granules, subround; trace silt; well sorted; moist; very pale brown (10YR 5/4).	
-25	-25	4	(23-26)	3	8.0				
					1.1				
					1.8				
					34.6	X			
		5	(26-30)	4	0.6			NOTE: color change to yellowish brown (10YR 5/6) at 27' bgs.	
					1.8				
					0.6			NOTE: silty near 30' bgs.	
					0.5				
-30	-30							End of boring at 30' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed Oil in Soil shake test negative 26-27' bgs. Temporary well screened 25-30' bgs.
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Date Start/Finish: 8/2/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 12' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-28 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0						 (0-0.5) CONCRETE  (0.5-1) COAL, black (10YR 2/1)  (1-12) CLAY, medium to high plasticity; trace small to medium pebbles, subround; dry; medium stiff to stiff; dark yellowish brown (10YR 4/6)		
-5	-5	1	(0-12)	8.5					 Borehole backfilled with bentonite
-10	-10							End of boring at 12' bgs	
-15	-15								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/2/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 12' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-29 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
		1	(0-12)	7	0.0			(0.5-12) CLAY, trace silt, medium plasticity; trace small to very large pebbles, subround; dry; stiff; yellowish brown (10YR 5/4).	
					0.2	X			
					2.3				
					1.1				
-5	-5				1.2				
					0.3	X			
-10	-10				1.9				
					2.1				
								End of boring at 12' bgs	
-15	-15								

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/9/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-30 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	2.5	1.0		x x x x x	(0-3.5) FILL, crushed concrete, SAND, fine, subround; well sorted; moist; yellowish brown (10YR 5/6)	Borehole backfilled with bentonite
					0.7		x x x x x		
					1.0		x x x x x		
					1.7		x x x x x	(3.5-10) CLAY, trace silt, medium plasticity; small to medium pebbles, subround; dry; stiff; yellowish brown (10YR 5/8).	
-5	-5				3.4		x x x x x		
		2	(3-10)	4	1.7		x x x x x		
					1.4		x x x x x		
					0.8		x x x x x		
-10	-10				1.2		x x x x x		
								End of boring at 10' bgs	

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/8/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-32 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20	4	(13-20)	NA	5.4			End of boring at 20' bgs	
					6.1				
					7.3				
					6.9	X			
25	-25								
30	-30								
35	-35								

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: BGS = Below ground surface Groundwater encountered at 10' bgs. No staining observed. Temporary well screened 7-12' bgs.
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Date Start/Finish: 8/8/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-33 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-3)	2	0.0		XXXXXX	(0-2) FILL, crushed concrete, clay, nonplastic to low plasticity; trace small to large pebbles, subround; dry; very stiff; dark yellowish brown (10YR 3/6).	
					0.5		XXXXXX	(2-5) CLAY, medium plasticity; dry to moist; medium stiff to stiff; grayish brown (10YR 5/2)	
					1.2				
					1.6				
5	-5	2	(3-8)	2.5	1.5		●●●●	(5-7) SAND, fine to medium, trace granules, little small pebbles, subround; some silt; poorly sorted; moist; gray (10YR 5/1).	
					7.6		X	(7-20) CLAY, some silt, medium to high plasticity; trace small to very large pebbles, subround; dry to moist; medium stiff to stiff; gray (10YR 5/1).	
					0.0				
10	-10				0.0				Borehole backfilled with bentonite
					0.0				
					0.0				
		3	(8-20)	5	0.0				
15	-15				0.0				

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 8/8/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-33 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20				0.0			End of boring at 20' bgs	
					0.0				
					0.0	X			
25	-25								
30	-30								
35	-35								

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: BGS = Below ground surface Groundwater not encountered. No odor or staining observed.
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Date Start/Finish: 7/26/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-34 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) ASPHALT	
1.5		1	(0-5)	5			(0.5-4) SAND, and clay, some silt, trace granules, trace small to large pebbles, subangular; dry to moist; dark grayish brown (10YR 4/2).		
0.5						X			
0.3							(4-8) FILL, moist to wet paste, very soft.		
5	-5								
6.2		2	(5-10)	5				(8-10) SAND, and clay, some silt, trace granules, trace small to large pebbles, subangular; dry to moist; dark grayish brown (10YR 4/2).	
146.0						X			
48.0									
54.1									
42.0						X			
10	-10							End of boring at 10' bgs	
15	-15								

	Remarks: BGS = Below ground surface Hand augered to 5' bgs Groundwater not encountered. No odor or staining observed Temporary well screened from 5-10' bgs. Temporary well reset 3-8' bgs on 7/29/11.
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Date Start/Finish: 8/2/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-35 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-0.5) CONCRETE	
0.0						X		(0.5-10) CLAY, medium to high plasticity; trace small to very large pebbles, subround; moist; medium stiff to stiff; yellowish brown (10YR 5/4) NOTE: color change to dark gray (10YR 3/1) at 9' bgs.	Backfill (0-0.5' bgs) 2" Sch 40 PVC riser (-2-3' bgs) Bentonite (0.5-2' bgs)
5	-5	1	(0-10)	7	0.0				Sand Pack (2-10' bgs) 2" Sch 40 PVC, 10 slot well screen (3-8' bgs)
10	-10				0.0	X		End of boring at 10' bgs	
15	-15								





 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed Temporary well screen 3-8' bgs.
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Date Start/Finish: 8/3/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-37 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
0.0					0.0	X		(0-5) CLAY, trace silt, low to medium plasticity; trace small to medium pebbles, subround; dry; stiff to very stiff; dark yellowish brown (10YR 4/4).	Backfill (0-0.5' bgs)
0.1									2" Sch 40 PVC riser (-2-5' bgs)
0.2									Bentonite (0.5-3' bgs)
5.0	-5	1	(0-10)	8.8	0.0	X		(5-5.5) CLAY, trace silt, nonplastic to low plasticity; moist; very soft; gray (10YR 5/1) and light gray (10YR 7/1).	
5.5					0.0			(5.5-10) CLAY, little to some silt, high plasticity; trace small to very large pebbles, subround; moist to wet; medium stiff; yellowish brown (10YR 5/4) NOTE: few areas of gray (10YR 5/1).	Sand Pack (3-10' bgs)
6.0					0.0				2" Sch 40 PVC, 10 slot well screen (5-10' bgs)
10.0	-10				0.0	X		End of boring at 10' bgs	
15.0	-15								


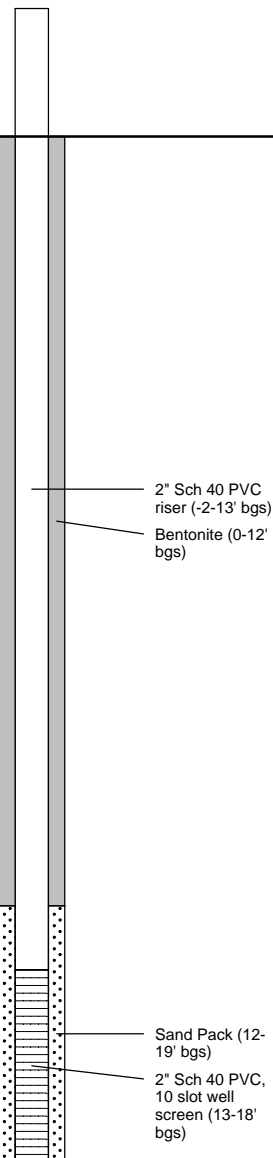
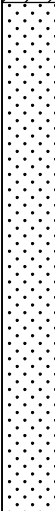
	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed Oil in Soil shake test negative 5-5.5' bgs. Temporary well screened 5-10' bgs.
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Date Start/Finish: 7/28/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-39 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0 0								
				0.0			(0-2) SAND, little small to medium pebbles, trace granules, subround to subangular; poorly sorted; dry; brown (10YR 5/3) NOTE: Some crushed concrete, 4-32mm.	
				0.0	X		(2-5) CLAY, trace silt, high plasticity; trace sand, trace small to very large pebbles, subround; dry to moist; stiff; greenish gray (Gley 1 5/5GY).	
-5 -5	1	(0-10)	7	1.0			(5-10) CLAY, trace silt, medium to high plasticity; trace sand, trace small to very large pebbles, subround; dry; stiff; yellowish brown (10YR 5/4).	Borehole backfilled with bentonite
				1.3				
				1.6				
				1.4	X			
-10 -10							End of boring at 10' bgs	
-15 -15								

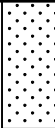
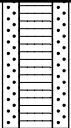

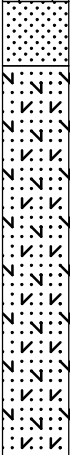
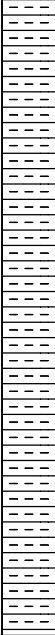
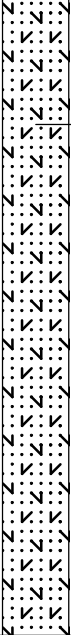
 ARCADIS Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Groundwater not encountered No odor or staining observed
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Date Start/Finish: 7/28/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 35' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-40 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	(0-8)	4.5				(0-2) SAND, little granules to medium pebbles, subround to subangular; poorly sorted; dry; brown (10YR 5/3) NOTE: Some crushed concrete, 4-32mm. (2-8) CLAY, little granules, trace small to medium pebbles, subround to subangular; dry; black (10YR 2/1) NOTE: some crushed concrete, 4-32mm.	
		2	(8-18)	5				(8-18) SAND, fine, trace silt, subround; well sorted; wet; brown (10YR 5/3).	Sand Pack (12-19' bgs) 2" Sch 40 PVC, 10 slot well screen (13-18' bgs)
-5	-5								
-10	-10								
-15	-15								

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater encountered at 8' bgs No odor or staining observed Temporary well screen set from 13-18' bgs.
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Date Start/Finish: 7/28/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 35' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-40 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
					0.0				
-20	-20	3	(18-25)	4.5	0.0			(18-25) CLAY, trace silt, medium to high plasticity; trace sand, trace small to medium pebbles, subround; dry to moist.	
-25	-25				0.0			(25-35) CLAY, and silt, medium plasticity; wet; soft; gray (10YR 5/1) NOTE: Decreasing clay and increasing silt content with depth. NOTE: moist; stiff at 28' bgs.	
-30	-30	4	(25-35)	NA	0.0				

Bentonite and fill (19-35' bgs)



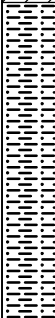

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater encountered at 8' bgs No odor or staining observed Temporary well screen set from 13-18' bgs.
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Date Start/Finish: 8/8/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 27' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-41 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
-20	-20	5	(13-20)	6	1800				
					435				
					529				
					280				
					241				
-25	-25	6	(20-23)	3	402			(20-21.5) SAND, fine to medium, trace granules, subround; poorly sorted; wet; gray (10YR 5/1).	
					82			(21.5-25.5) CLAY, high plasticity; trace small to medium pebbles, subround; moist; medium stiff; dark gray (10YR 4/1).	
					86				
					47				
-25	-25	7	(23-27)	4	89				
					54			(25.5-27) SAND, very fine to fine, subround; well sorted; moist; pale brown (10YR 7/4).	
					40				
-30	-30						End of boring at 27' bgs		

 <p>ARCADIS Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater encountered at 8.5' bgs. No odor or staining observed.
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Date Start/Finish: 7/25/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-43 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							(0-1) CONCRETE	
		1	(0-5)	0	0.0			(1-8) CLAY, little silt, medium to high plasticity; some sand, trace granule, trace small to medium pebble, subround to subangular; moist; medium stiff to soft; brown (10YR 5/3) mottled with gray (10YR 5/1).	
		2	(5-8)	3	0.1				
					0.1			(8-13) CLAY, and sand, high plasticity; little silt, trace granule, trace small to large pebble, subround to subangular; wet; soft to very soft; brown (10YR 5/3).	
		3	(8-20)	12	0.0			(13-20) CLAY, little silt, medium plasticity; trace small to very large pebbles, subround to subangular; moist to dry; stiff; very dark gray (10YR 3/1).	
					0.5				Borehole backfilled with bentonite

 Infrastructure · Water · Environment · Buildings	Remarks: BGS = Below ground surface Hand auger to 5' bgs Groundwater not encountered No odor or staining observed
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Date Start/Finish: 7/25/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: P6-SB-43 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20				0.6 0.0 0.0			End of boring at 20' bgs	
25	-25								
30	-30								
35	-35								

 <i>Infrastructure · Water · Environment · Buildings</i>	Remarks: BGS = Below ground surface Hand auger to 5' bgs Groundwater not encountered No odor or staining observed
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Date Start/Finish: 8/8/11 Drilling Company: MATECO Drilling Driller's Name: Jack Drilling Method: Sonic Drilling Sampling Method: Sonic Rig Type: Sonic	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Austin Westhuis	Well/Boring ID: VEW-5 Client: RACER Trust Location: Lansing Plant 6 Lansing, MI
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
20	-20	4	(13-20)	6.5	8.1			(16-20) CLAY, little silt, high plasticity; trace sand, trace small to large pebbles; subround; dry to moist; soft to medium stiff; gray (10YR 5/1).	
					7.6				
					10.0				
					10.1	X			
					7.3				
								End of boring at 20' bgs	
25	-25								
30	-30								
35	-35								

 <p>Infrastructure · Water · Environment · Buildings</p>	Remarks: BGS = Below ground surface Groundwater not encountered. No staining observed. Oil in Soil shake test negative 10-11' bgs.
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