



Appendix A

Soil Boring and Well Construction
Logs

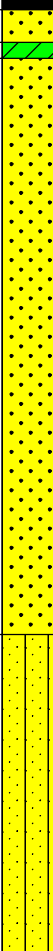
Date Start/Finish: 11/6/06 Drilling Company: Altech Driller's Name: Nick Simmons Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417398.2 Easting: 13412917.0 Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: 916.5 Descriptions By: Beth Reimer	Well/Boring ID: B-1 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-5'	3'	0.0			ASPHALT. Light reddish brown CLAY with SILT (CL), soft to hard, plastic, dry to moist, no odor detected and no staining observed.	
5									
910		2	5-10'	5'	0.0	CL		Few small layers of very fine to coarse SAND from 5.5-6' bgs.	Borehole backfilled with soil cuttings.
10									
905								End of boring at 10' bgs.	
15									



Remarks: NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with soil cuttings.

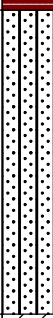
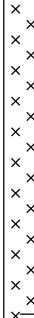
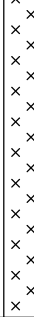
Date Start/Finish: 11/6/06 Drilling Company: Altech Driller's Name: Nick Simmons Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417460.7 Easting: 13412946.1 Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: 916.9 Descriptions By: Beth Reimer	Well/Boring ID: B-3 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-5'	3'	0.0	SP CL		ASPHALT. Dark brown to black, very fine to medium SAND (SP), trace fine to medium Gravel, moist. Light reddish brown CLAY (CL), soft. Light reddish brown, very fine to coarse SAND (SP), few fine Gravel, poorly sorted, loose, dry to moist.	
5						SP			
910		2	5-10'	3.5'	0.0				
10									
905		3	10-15'	3.75'	0.0	SM		Alternating layers of loose medium to coarse SAND (SM), and reddish brown SILT with some very fine to fine Sand, wet.	
15								End of boring at 15' bgs.	



Remarks: NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with soil cuttings.
 No odors detected and no staining observed.

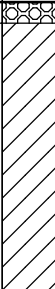
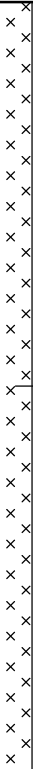
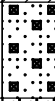
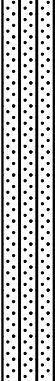
Date Start/Finish: 11/6/06 Drilling Company: Altech Driller's Name: Nick Simmons Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417492.4 Easting: 13412919.6 Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: 917.0 Descriptions By: Beth Reimer	Well/Boring ID: B-4 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-5'	1.5'	0.0	SM		ASPHALT. Light reddish brown to black, very fine to medium SAND and SILT (SM), little to trace Clay, very soft, wet.	
5		2	5-10'	2'	0.0	CL		Light reddish brown CLAY (CL), few fine to medium Gravel, hard, non-plastic, dry.	
10								End of boring at 10' bgs.	
905									
15									



Remarks: NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with soil cuttings.
 No odors detected and no staining observed.

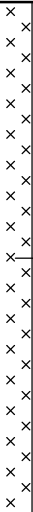
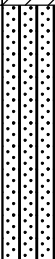
Date Start/Finish: 11/30/06 Drilling Company: Fibertec Driller's Name: Nathan Keller Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417570.8 Easting: 13412844.1 Casing Elevation: NA Borehole Depth: 12' bgs Surface Elevation: 916.9 Descriptions By: Wayne Patterson	Well/Boring ID: B-6 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-4'	3.5'	0.0	CL		Concrete. Brownish gray LEAN CLAY (CL), soft, moist, no odor.	 Borehole backfilled with soil cuttings.
5		2	4-8'	3.5'	64	GP		Gray GRAVEL and SAND (GP), dry, dense, slight odor.	
910								Gray fine SILTY SAND (SM), dense, wet, strong odor, sheen.	
10		3	8-12'	NA	NA	SM		Becoming fine to coarse grained, sheen observed, strong odor.	
905								End of boring at 12' bgs.	
15									



Remarks: NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with soil cuttings.

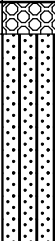
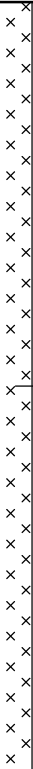
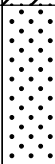
Date Start/Finish: 11/30/06 Drilling Company: Fibertec Driller's Name: Nathan Keller Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417535.5 Easting: 13412850.6 Casing Elevation: NA Borehole Depth: 8' bgs Surface Elevation: 916.8 Descriptions By: Wayne Patterson	Well/Boring ID: B-7 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-4'	3.5'	0.0	CL		Concrete.	 Borehole backfilled with soil cuttings.
5		2	4-8'	4'	15	ML		Brown LEAN CLAY (CL), little mottling with gray color, stiff, dry to moist, no odor. Grayish brown SILTY SAND (SM), wet, strong odor.	
10								End of boring at 8' bgs.	
905									
15									



Remarks: NA = not applicable/ not available
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 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with soil cuttings.

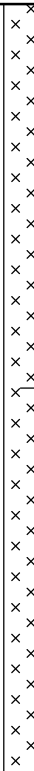
Date Start/Finish: 11/30/06 Drilling Company: Fibertec Driller's Name: Nathan Keller Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417518.6 Easting: 13412814.1 Casing Elevation: NA Borehole Depth: 12' bgs Surface Elevation: 916.9 Descriptions By: Wayne Patterson	Well/Boring ID: B-8 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-4'	3'	0.0	SM		Concrete. Brown fine SILTY SAND (SM), trace Gravel, trace coarse Sand, dense, dry, no odor.	 Borehole backfilled with soil cuttings.
5		2	4-8'	4'	0.0	CL		Brown LEAN CLAY (CL), few fine to coarse Sand, trace Gravel, stiff, dry, no odor.	
910						SM/CL		Brown SILTY SAND (SM) and CLAY (CL), moist, dense and stiff, no odor.	
10		3	8-12'	3.5'	0.0	SP		Gray fine SAND (SP), trace fine Gravel and coarse Sand, dense, wet, sheen, strong odor.	
905								End of boring at 12' bgs.	
15									



Remarks: NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with soil cuttings.

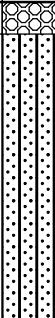
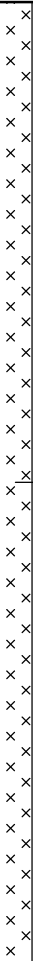
Date Start/Finish: 11/30/06 Drilling Company: Fibertec Driller's Name: Nathan Keller Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417498.9 Easting: 13412821.1 Casing Elevation: NA Borehole Depth: 12' bgs Surface Elevation: 916.9 Descriptions By: Wayne Patterson	Well/Boring ID: B-9 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0								Concrete.	
915		1	0-4'	2'	0.0	SP		Brown fine to coarse SAND (SP), trace Silt, dry, dense, no odor.	 Borehole backfilled with soil cuttings.
5		2	4-8'	4'	0.0	CL		Brown SANDY CLAY (CL), little fine to coarse Sand, trace Gravel, stiff, dry, no odor.	
10		3	8-12'	3.5'	22	SP		Grayish brown fine SAND (SP), dry, strong odor. Wet.	
905								End of boring at 12' bgs.	
15									



Remarks: NA = not applicable/ not available
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 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with soil cuttings.

Date Start/Finish: 11/6/06 Drilling Company: Altech Driller's Name: Nick Simmons Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417439.6 Easting: 13412777.5 Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: 917.0 Descriptions By: Beth Reimer	Well/Boring ID: B-10 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-5'	2.5'	0.0	SM		CONCRETE. Black to very dark brown SILTY SAND (SM), very fine to fine Sand, loose, moist. Dry to moist.	 Borehole backfilled with soil cuttings.
910		2	5-10'	3.5'	0.0	CL		Light reddish brown grading into gray brown CLAY (CL) with some Silt and few very fine Sand, some layers of loose Sandy Silt, stiff, plastic, moist. Few very thin layers of fine to medium Sand, hard, medium plasticity, moist.	
905		3	10-15'	5'	0.0				
15								End of boring at 15' bgs.	



Remarks: NA = not applicable/ not available
 bgs = below ground surface
 No groundwater was encountered. No temporary well installed.
 No odors detected and no staining observed.

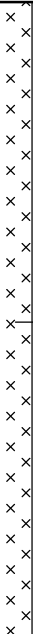
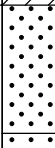
Date Start/Finish: 11/6/06 Drilling Company: Altech Driller's Name: Nick Simmons Drilling Method: Direct Push Sampling Method: 2' x 5' sampler Rig Type: NA	Northing: 417533.1 Easting: 13412751.7 Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: 917.5 Descriptions By: Beth Reimer	Well/Boring ID: B-13 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
920									
0								CONCRETE.	
915		1	0-5'	5'	0.0			Gray brown CLAY (CL), few medium to coarse Gravel, some fine Gravel, hard, non-plastic to low plasticity, dry.	
5								Stiff to hard, medium plasticity.	
910		2	5-10'	5'	0.0				
10						CL		Dry to moist, plastic.	
905		3	10-15'	4.5'	0.0				
15									
900		4	15-20'	5'	0.0				
20								End of boring at 20' bgs.	



Remarks: NA = not applicable/ not available
 bgs = below ground surface
 No groundwater was encountered. No temporary well installed.
 No odors detected and no staining observed.

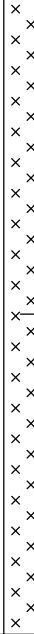
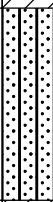
Date Start/Finish: 11/6/06 Drilling Company: Altech Driller's Name: Nick Simmons Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417560.9 Easting: 13412756.2 Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: 917.2 Descriptions By: Beth Reimer	Well/Boring ID: B-14 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
920									
0									
		1	0-5'	5'	0.0	ML		ASPHALT. Reddish brown SILT (ML) with some Clay, dry, no odor detected and no staining observed.	 Borehole backfilled with soil cuttings.
915						CL		Reddish brown CLAY (CL), medium stiff to stiff, plastic, dry, no odor detected and no staining observed. Grades into gray brown Clay at 2.5' bgs.	
5						SP		Reddish brown, medium SAND (SP) with Clay, moist, strong odor detected and no staining observed.	
910		2	5-10'	3.5'	70.5	CL		Black, medium SAND (SP), wet, strong odor detected no staining observed, slight sheen on water. Gray brown CLAY (CL), few fine to medium Sand, very soft, plastic, wet, slight odor detected and no staining observed, slight sheen on water.	
10								End of boring at 10' bgs.	
905									
15									



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Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with soil cuttings.

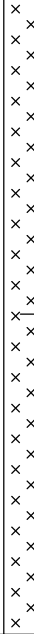
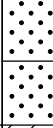
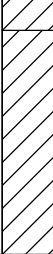
Date Start/Finish: 11/6/06 Drilling Company: Altech Driller's Name: Nick Simmons Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417585.1 Easting: 13412813.8 Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: 916.8 Descriptions By: Beth Reimer	Well/Boring ID: B-15 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-5'	4.5'	0.0	CL		ASPHALT. Brown CLAY (CL), stiff, plastic, dry, no odor detected and no staining observed.	 Borehole backfilled with soil cuttings.
5									
910		2	5-10'	5'	226	SM		Alternating layers of brown, very fine to medium SAND and Sandy SILT (SM) with some Clay, very soft, loose, wet, strong odor detected, no staining observed, sheen on water. Very dark brown at 6' bgs. Grading into a gray brown Clay at 3' bgs. Soft, plastic, moist to wet, slight odor at 5' bgs..	
10									
						CL		Gray brown Sandy CLAY (CL), very soft to medium stiff, plastic, wet, slight odor detected, no staining observed.	
15								End of boring at 10' bgs.	



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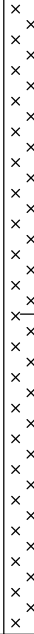
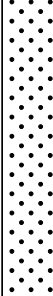
Date Start/Finish: 11/6/06 Drilling Company: Altech Driller's Name: Nick Simmons Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417596.3 Easting: 13412851.5 Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: 917.2 Descriptions By: Beth Reimer	Well/Boring ID: B-16 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
920									
0								ASPHALT.	
915		1	0-5'	5'	382	CL		Brown to light reddish brown CLAY (CL), stiff to hard, plastic, dry to moist, slight odor detected, no staining observed.	 Borehole backfilled with soil cuttings.
5						SP		Dark olive gray, very fine to fine SAND (SP) with some Clay and Silt, wet, strong odor detected, uniform staining observed, sheen on water.	
								Light reddish brown, very fine SAND (SP) with few Clay and Silt, little fine to medium Sand, wet, strong odor detected, no staining observed, sheen on water.	
910		2	5-10'	5'	173	CL		Dark gray to dark olive gray CLAY (CL) with some very fine Sand and Silt, wet, strong odor detected, uniform staining observed, dark sheen observed. Light olive gray CLAY (CL), soft to medium stiff, plastic, wet, slight odor detected, uniform staining observed, slight sheen on water.	
10								End of boring at 10' bgs.	
905									
15									



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 bgs = below ground surface
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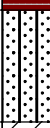
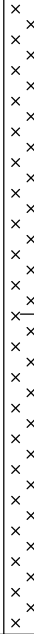
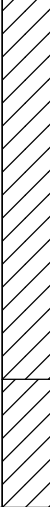
Date Start/Finish: 11/7/06 Drilling Company: Altech Driller's Name: Nick Simmons Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417589.5 Easting: 13412778.7 Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: 916.8 Descriptions By: Beth Reimer	Well/Boring ID: B-17 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-5'	3.5'	267	SP		ASPHALT. Light reddish brown, medium SAND (SP), loose, moist, no odor detected, no staining observed.	 Borehole backfilled with soil cuttings.
						CL		Brown to light reddish brown CLAY (CL), very soft, plastic, moist, no odor detected, no staining observed.	
5						SP		Olive green to black, very fine to fine SAND (SP) with some Clay, wet, strong odor detected, uniform staining observed, sheen on water.	
910		2	5-10'	5'	299	CL		Light reddish brown to gray brown CLAY (CL), medium stiff, plastic, wet, slight to no odor detected, no staining observed.	
10								End of boring at 10' bgs.	
905									
15									



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 bgs = below ground surface
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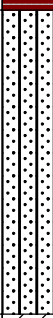
Date Start/Finish: 11/7/06 Drilling Company: Altech Driller's Name: Nick Simmons Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417607.6 Easting: 13412834.1 Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: 916.7 Descriptions By: Beth Reimer	Well/Boring ID: B-18 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-5'	3'	0.0	SM		ASPHALT. Light reddish brown, very fine SAND and SILT (SM), loose, moist.	 Borehole backfilled with soil cuttings.
5						CL		Gray brown CLAY (CL), very soft, plastic, moist. Wet at 6' bgs.	
910		2	5-10'	5'	0.0			Light reddish brown to gray brown CLAY (CL) with some Sand and Silt, very soft to soft, plastic, wet.	
10								End of boring at 10' bgs.	
905									
15									



Remarks: NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with soil cuttings.
 No odors detected and no staining observed.

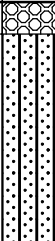
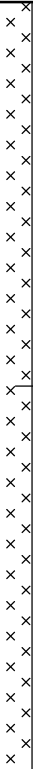
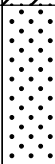
Date Start/Finish: 11/6/06 Drilling Company: Altech Driller's Name: Nick Simmons Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417629.2 Easting: 13412886.3 Casing Elevation: NA Borehole Depth: 10' bgs Surface Elevation: 917.7 Descriptions By: Beth Reimer	Well/Boring ID: B-19 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
920									
0								ASPHALT.	
915		1	0-5'	1.5'	0.0	SM		Light reddish brown to black, very fine to medium SAND and SILT (SM), little to trace Clay, very soft, wet.	
5								Light reddish brown CLAY (CL), few fine to medium Gravel, hard, non-plastic, dry.	
910		2	5-10'	2'	0.0	CL			
10								End of boring at 10' bgs.	
905									
15									



Remarks: NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with soil cuttings.
 No odors detected and no staining observed.

Date Start/Finish: 11/30/06 Drilling Company: Fibertec Driller's Name: Nathan Keller Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417558.4 Easting: 13412788.8 Casing Elevation: NA Borehole Depth: 12' bgs Surface Elevation: 917.0 Descriptions By: Wayne Patterson	Well/Boring ID: B-21 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-4'	3'	0.0	SM		Concrete. Brown fine SILTY SAND (SM), trace Gravel, trace coarse Sand, dense, dry, no odor.	
5		2	4-8'	4'	0.0	CL		Brown LEAN CLAY (CL), few fine to coarse Sand, trace Gravel, stiff, dry, no odor.	
910						SM/CL		Brown SILTY SAND (SM) and CLAY (CL), moist, dense and stiff, no odor.	
10		3	8-12'	3.5'	0.0	SP		Gray fine SAND (SP), trace fine Gravel and coarse Sand, dense, wet, sheen, strong odor.	
905								End of boring at 12' bgs.	
15									



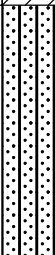
Remarks: NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with soil cuttings.

Date Start/Finish: 11/30/06 Drilling Company: Fibertec Driller's Name: Nathan Keller Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417601.4 Easting: 13412872.0 Casing Elevation: NA Borehole Depth: 8' bgs Surface Elevation: 917.4 Descriptions By: Wayne Patterson	Well/Boring ID: B-22 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-4'	3.5'	2.8	GP		Asphalt. Black to dark gray SAND and GRAVEL (GP), fine to coarse angular Sand, fine angular Gravel, moist, strong odor, loose to medium dense. Wet.	Borehole backfilled with soil cuttings.
5		2	4-8'	4.0	38	ML		Brownish gray SANDY SILT (ML), wet, strong odor, sheen.	
910									
10								End of boring at 8' bgs.	
905									
15									

	Remarks: NA = not applicable/ not available bgs = below ground surface
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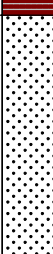
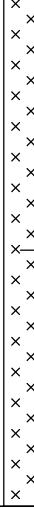
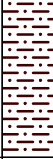
Date Start/Finish: 11/30/06 Drilling Company: Fibertec Driller's Name: Nathan Keller Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417629.7 Easting: 13412850.9 Casing Elevation: NA Borehole Depth: 8' bgs Surface Elevation: 917.7 Descriptions By: Wayne Patterson	Well/Boring ID: B-23 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
920									
0								Asphalt.	
		1	0-4'	3.5	0.0	CL		Brown LEAN CLAY (CL), medium stiff, dry, no odor.	
915									
		2	4-8'	3.5'	0.0	ML		Grayish brown SANDY SILT (SM), trace Gravel, wet, no odor.	
5									
910									
								End of boring at 8' bgs.	
10									
905									
15									



Remarks: NA = not applicable/ not available
bgs = below ground surface

Date Start/Finish: 11/30/06 Drilling Company: Fibertec Driller's Name: Nathan Keller Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417616.2 Easting: 13412805.5 Casing Elevation: NA Borehole Depth: 8' bgs Surface Elevation: 917.4 Descriptions By: Wayne Patterson	Well/Boring ID: B-24 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
920									
0								Asphalt.	
		1	0-4'	3.5	0.0	SP		Brown fine SAND (SP), trace Gravel, moist, dense, no odor.	 Borehole backfilled with soil cuttings.
915		2	4-8'	4.0'	0.0	ML		Brownish gray SILT (ML), wet, no odor.	
910								End of boring at 8' bgs.	
10									
905									
15									



Remarks: NA = not applicable/ not available
bgs = below ground surface
No odors detected and no staining observed.

Date Start/Finish: 11/30/06 Drilling Company: Fibertec Driller's Name: Nathan Keller Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417602.0 Easting: 13412743.2 Casing Elevation: NA Borehole Depth: 8' bgs Surface Elevation: 917.5 Descriptions By: Wayne Patterson	Well/Boring ID: B-25 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
920									
0								Asphalt.	
								Brown fine SAND (SP), moist, dense, no odor.	
915		1	0-4'	3.5	0.0	SP			
								Brown SILTY SAND (SM), wet, no odor.	
5		2	4-8'	4.0'	0.0	SM			
910									
								End of boring at 8' bgs.	
10									
905									
15									



Remarks: NA = not applicable/ not available
 bgs = below ground surface
 No odors and no staining observed.

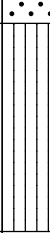
Date Start/Finish: 9/11/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417531.0 Easting: 13412839.9 Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: 917.0 Descriptions By: Beth Lindblade	Well/Boring ID: B-27 Client: General Motors Workwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-5'	2.5'	7.2	SP		10YR 7/2 light gray, fine to medium SAND (SP) and medium coarse GRAVEL, broken Concrete, loose, dry, no odor.	 Borehole backfilled with bentonite chip with a concrete surface completion.
						CL		10YR 4/2 dark grayish brown, fine to medium SAND (SP) and fine to coarse GRAVEL, rounded, loose, dry, very slight odor. 1-2" Sand seam: fine to medium, loose, dry to moist, strong odor. 10YR 4/3 to 4/2 dark brown to dark grayish brown CLAY (CL), soft to hard, plastic, dry, strong odor.	
					111			2.5Y 5/3 light olive brown, fine to medium SAND (SP), loose, dry to moist, strong odor.	
								10YR 4/1 dark gray SANDY SILT (ML), very fine to fine Sand, little Clay, compact, moist to wet, strong odor.	
5								Wet at 5.5' bgs.	
910		2	5-10'	3'	899	ML		10YR 4/3 brown, medium SAND (SP) with Clay, few Silt, loose, dry to moist.	
					75.1				
10									
905		3	10-15'	5'	8.5	SP		10YR 4/1 dark gray SANDY SILT (ML), very fine to fine Sand, little Clay, compact, moist to wet, strong odor.	
					195	ML		10YR 4/1 dark gray SANDY SILT (ML), very fine to fine Sand, little Clay, compact, moist to wet, strong odor.	
15								End of boring at 15' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 3.5-5.5' bgs.
NA = not applicable/ not available
bgs = below ground surface
Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with bentonite chip with a concrete surface completion.

Date Start/Finish: 9/11/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417502.8 Easting: 13412860.3 Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: 916.8 Descriptions By: Beth Lindblade	Well/Boring ID: B-28 Client: General Motors Workwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-5'	2.5'	4.1	SP		10YR 7/2 light gray, fine to coarse SAND (SP) and fine to medium GRAVEL, broken Concrete, loose, dry, no odor.	
					11	CL		10YR 4/3 brown SANDY CLAY (CL), hard, brittle, dry, no odor.	
910		2	5-10'	5'	38	SP		10YR 2/1 black to dark brown, fine to medium SAND (SP), little Silt, loose, dry, no odor.	
					908	ML		10YR 5/2 grayish brown SANDY SILT (ML), some very fine to fine Sand, little medium Sand and Clay, compact, dry to moist, strong odor.	
905		3	10-15'	4'	56	SP		10YR 4/2 dark grayish brown, medium SAND (SP), poorly sorted, few fine to medium, rounded Gravel, loose, moist to wet.	
					78	CL		10YR 4/2 dark grayish brown SANDY CLAY (CL), some interbedded layers (1-3") of fine to medium Sand, little Silt, medium stiff, plastic, wet.	
15								10YR 4/2 dark grayish brown CLAY (CL), stiff to hard, medium plasticity to plastic, wet.	
								End of boring at 15' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 8-10' bgs.
 NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with bentonite chip with a concrete surface completion.

Date Start/Finish: 9/11/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: B-29 Client: General Motors Workwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-5'	4.5'	0.0	CL		Black ASPHALT and Fill.	 Borehole backfilled with bentonite chip with a concrete surface completion.
					0.0			10YR 5/4 yellowish brown CLAY (CL), stiff to hard, medium plasticity to plastic, dry, no odor.	
					0.0			1-2" layer of fine to medium Sand, loose, dry, no odor. 1-2" layer of fine to medium Sand, loose, dry, no odor.	
-5	-5	2	5-10'	5'	0.0	SP		10YR 5/4 yellowish brown SANDY CLAY (CL), soft to medium stiff, medium plasticity, moist.	
					0.0			10YR 5/4 yellowish brown, very fine to medium SAND (SP), poorly sorted, few coarse Sand and fine Gravel, little Silt, loose, wet, no odor.	
					0.0	CL		10YR 5/4 yellowish brown CLAY (CL) grading into 10YR 4/2 dark grayish brown CLAY at 7.75' bgs, stiff to hard, low to medium plasticity, dry, no odor.	
-10	-10	3	10-15'	5'	0.0	SP		10YR 5/4 yellowish brown, fine to coarse SAND (SP), poorly sorted, come fine to coarse Gravel, few pebbles, some Silt and Clay, alternating layers of Sand with more Clay, loose, wet, no odor.	
					0.0	CL		10YR 4/2 dark grayish brown CLAY (CL) with fine to medium Sand, non-plastic, dry to moist, no odor.	
-15	-15							End of boring at 15' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 3.5-5.5' bgs.
 NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with bentonite chip with a concrete surface completion.

Date Start/Finish: 9/12/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417552.9 Easting: 13412769.3 Casing Elevation: NA Borehole Depth: 12' bgs Surface Elevation: 917.0 Descriptions By: Jim Kralik	Well/Boring ID: B-30 Client: General Motors Workwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-4'	3'	0.9	SP		CONCRETE. 10YR 5/6 yellowish brown, fine SAND (SP), little Clay, trace fine, subrounded Gravel, medium dense, moist, no odor.	 Borehole backfilled with bentonite chip with a concrete surface completion.
					1.7			10YR 5/4 yellowish brown CLAY (CL), hard, plastic, dry, no odor.	
910		2	4-8'	4'	0.2	CL		10YR 5/2 grayish brown CLAY (CL), hard, plastic, dry to moist, no odor.	
					0.9			Moist at 7.2' bgs. Wet at 8' bgs.	
905		3	8-12'	4'	0.2			10YR 5/2 brownish gray, fine to medium SAND (SP), some Clay, little coarse Sand, trace fine, subrounded Gravel, loose to medium dense, moist, no odor. Minor isolated wet layers (<1") below 10' bgs.	
					0.2	SP			
15								End of boring at 12' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 6-8' bgs.
 NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with bentonite chip with a concrete surface completion.

Date Start/Finish: 9/12/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417538.3 Easting: 13412774.9 Casing Elevation: NA Borehole Depth: 11' bgs Surface Elevation: 917.0 Descriptions By: Jim Kralik	Well/Boring ID: B-31 Client: General Motors Workwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-4'	4'	0.3			CONCRETE.	
					1.9			10YR 5/6 yellowish brown, fine SAND (SP), some Clay, little medium to coarse Sand, trace fine, subrounded Gravel, medium dense to dense, moist, no odor.	
5						SP		Grades into 10YR 5/4 yellowish brown.	
		2	4-8'	4'	0.3			Wet at 5.3' bgs.	
910					0.3				
						ML		10YR 5/6 yellowish brown SILT (ML), very dense, dry, no odor.	
								10YR 5/4 yellowish brown, fine SAND (SP), some Clay, little medium to coarse Sand, trace fine, subrounded Gravel, medium dense to dense, wet from 8-10.5' bgs, no odor.	
10		3	8-11'	3'	0.3				
					0.3				
905								Refusal and end of boring at 11' bgs.	
15									



Remarks: Soil samples collected from 0-2' bgs and 3.5-5.5' bgs.
 NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with bentonite chip with a concrete surface completion.

Date Start/Finish: 9/12/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417526.5 Easting: 13412772.2 Casing Elevation: NA Borehole Depth: 11' bgs Surface Elevation: 916.9 Descriptions By: Jim Kralik	Well/Boring ID: B-32 Client: General Motors Workwide Real Estate Location: Employee Development Center Pontiac, Michigan
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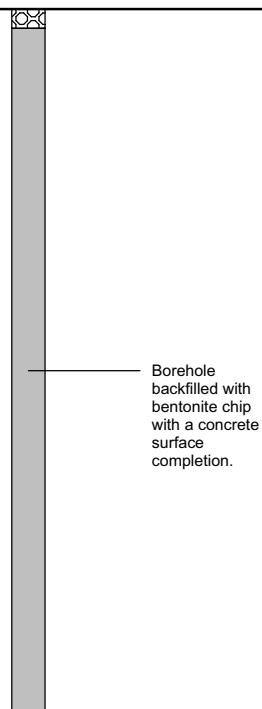
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-4'	2'	0.0			CONCRETE.	
					0.3			10YR 2/1 black, fine to very fine SAND (SP), loose, dry, no odor.	
								10YR 5/6 yellowish brown, fine SAND (SP), some Clay, little medium to coarse Sand, trace fine, subrounded Gravel, medium dense to dense, moist, no odor.	
5		2	4-8'	3'	0.3	SP		10YR 2/1 black very fine to fine SAND (SP), loose, dry, no odor.	
910					0.9			10YR 5/2 grayish brown, fine SAND (SP), some Clay, little medium to coarse Sand, trace fine, subrounded Gravel, medium dense, moist, no odor.	
								10YR 4/4 yellowish brown to dark yellowish brown, fine SAND (SP), some Clay, little medium to coarse Sand, trace fine, subrounded Gravel, medium dense to dense, dry, no odor.	
10		3	8-11'	3'	0.9			Wet at 10.8' bgs.	
					0.9			Refusal and end of boring at 11' bgs.	
905									
15									



Remarks: Soil samples collected from 0-2' bgs and 8.8-10.8' bgs.
 NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with bentonite chip with a concrete surface completion.

Date Start/Finish: 9/12/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417514.2 Easting: 13412781.8 Casing Elevation: NA Borehole Depth: 11' bgs Surface Elevation: 917.0 Descriptions By: Jim Kralik	Well/Boring ID: B-33 Client: General Motors Workwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-4'	2'	0.0			10YR 5/4 yellowish brown, fine SAND (SP), some Clay, little medium to coarse Sand, trace fine, subrounded Gravel, trace very fine to fine, black Sand, medium dense to dense, dry, no odor.	
					0.1				
5		2	4-8'	4'	0.0	SP		No black Sand present, dry to moist.	
910					0.1			Trace red Brick.	
								Trace red Brick.	
								Poorly sorted, trace Clay, dense, moist.	
10		3	8-11'	3'	0.0				
					0.0			Wet at 10.5' bgs.	
905								Refusal and end of boring at 11' bgs.	
15									



Remarks: Soil samples collected from 0-2' bgs and 8.8-10.8' bgs.
 NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with bentonite chip with a concrete surface completion.

Date Start/Finish: 9/13/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417532.7 Easting: 13412872.6 Casing Elevation: NA Borehole Depth: 11' bgs Surface Elevation: 916.8 Descriptions By: Jim Kralik	Well/Boring ID: B-34 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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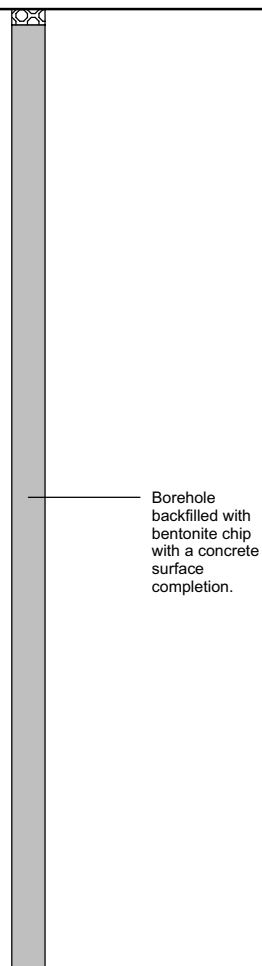
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-4'	3.5'	0.3	SP		CONCRETE. 10YR 5/6 yellowish brown, fine SAND (SP), some Clay, little medium to coarse Sand, trace fine, subrounded Gravel, medium dense, damp, no odor.	 Borehole backfilled with bentonite chip with a concrete surface completion.
					1.7			10YR 4/3 to 4/2 dark brown to dark grayish brown SANDY CLAY (CL), fine to medium Sand, soft to hard, plastic, damp, slight odor form 3.5-4' bgs.	
					33.8				
					1.7				
5		2	4-8'	4'	1.9	CL			
910					27.8			Grades into brownish gray CLAY (CL), trace fine, subrounded Gravel, stiff, plastic, damp, odor present.	
					33.8				
					69				
					119				
10		3	8-11'	3'	24.5	SP		Brownish gray, fine SAND (SP), poorly sorted, medium dense, wet, odor present, sheen present.	
					28.7	CL		Grades into brownish gray CLAY (CL), trace fine, subrounded Gravel, stiff, plastic, damp, odor present. Brownish gray, fine SAND in tip of sampler.	
905								End of boring at 11' bgs.	
15									



Remarks: Soil samples collected from 0-2' bgs and 8-10' bgs.
 NA = not applicable/ not available
 gs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with bentonite chip with a concrete surface completion.

Date Start/Finish: 9/14/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Jim Kralik	Well/Boring ID: B-35 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-5'	5'	0.0			CONCRETE.	
								Yellowish brown CLAY (CL), some fine to coarse Sand, little fine, subrounded Gravel, soft to medium stiff, plastic, no odor.	
					0.3			Thin layer (<1") of fine yellowish brown Sand at 3.5' bgs.	
-5	-5					CL			
		2	5-10'	5'	0.2			Yellowish brown and black well sorted Fill material, fine to coarse SAND, CLAY, fine, subangular to subrounded GRAVEL, some Slag and Concrete debris, medium dense, moist.	
					2.4			Brownish gray CLAY (CL), some fine, subrounded to rounded Gravel, soft to medium stiff, plastic, moist, no odor.	
					0.3			Brownish gray, fine to medium SAND (SP), some coarse Sand, trace fine, subrounded Gravel, medium dense, wet.	
-10	-10					SP			
		3	10-15'	5'	0.0				
					0.4			Grayish brown CLAY (CL), some coarse Sand, trace fine, subrounded Gravel, very stiff, plastic, moist, no odor.	
-15	-15					CL			
								End of boring at 15' bgs.	



	Remarks: Soil samples collected from 0-2' bgs and 6.8-8.8' bgs. NA = not applicable/ not available bgs = below ground surface Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with bentonite chip with a concrete surface completion.
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Date Start/Finish: 9/14/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417341.0 Easting: 13412850.3 Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: 917.0 Descriptions By: Jim Kralik	Well/Boring ID: B-36 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
0								CONCRETE and Floor Tile.	
						SP		Black, very fine to fine SAND (SP), loose, damp, no odor.	
915		1	0-5'	5'	0.3	CL		Dark yellowish brown to yellowish brown CLAY (CL) Fill material, with thin (<1") layers of fine to coarse Sand, fine, subrounded Gravel, black slag-like material, stiff, plastic to very plastic, dry, no odor.	
					1.4				
5						SM		10YR 2/2 dark brown SILTY SAND (SM), very fine to fine Sand, poorly sorted, trace to few fine Gravel, loose, dry, no odor.	
								10YR 4/4 yellowish brown CLAY (CL), some fine to coarse Sand and fine, subrounded Gravel, stiff to very stiff, plastic to very plastic, dry, no odor.	
910		2	5-10'	5'	0.5			Thin (<2") layer of olive brown, fine Sand.	
					0.7				
10									
					0.3				

	Remarks: Soil samples collected from 0-2' bgs and 6-8' bgs. NA = not applicable/ not available bgs = below ground surface
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Date Start/Finish: 9/14/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417341.0 Easting: 13412850.3 Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: 917.0 Descriptions By: Jim Kralik	Well/Boring ID: B-36 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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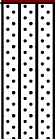
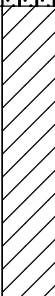
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
15		3	10-15'	5'	0.6				
900		4	15-20'	3.5'	0.6	CL		10YR 4/1 dark gray CLAY (CL), some fine to coarse Sand, little fine, subangular to subrounded Gravel, soft, plastic, dry to moist, no odor.	
20					0.3				
895		5	20-25'	5'	0.5			Thin (<1/2") layer of olive brown, fine Sand, dry. Thin (<1/2") layer of wet Silt.	
25								End of boring at 25' bgs.	

Borehole backfilled with bentonite chip with a concrete surface completion.



Remarks: Soil samples collected from 0-2' bgs and 6-8' bgs.
 NA = not applicable/ not available
 bgs = below ground surface

Date Start/Finish: 9/17/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: B-37 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-5'	3.5'	0.0	SM		ASPHALT and Asphalt Fill bedding, black Sand, dry, loose.	 Borehole backfilled with bentonite chip with a concrete surface completion.
					0.0			10YR 5/6 yellowish brown SILTY SAND (SM), very fine to medium Sand, some Silt, little coarse Sand, loose, no odor, dry to moist.	
					0.0			Wet at 3' bgs.	
-5	-5	2	5-10'	5'	0.0			10YR 4/1 dark gray CLAY (CL), soft to medium stiff, plastic, dry, no odor.	
					0.0			Grading into hard at 7.5' bgs.	
-10	-10	3	10-15'	3.5'	0.0	CL		More Silt content, soft to medium stiff, moist to wet.	
					0.0				
-15	-15							End of boring at 15' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 8-10' bgs.
NA = not applicable/ not available
bgs = below ground surface
Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with bentonite chip with a concrete surface completion.

Date Start/Finish: 9/17/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: B-38 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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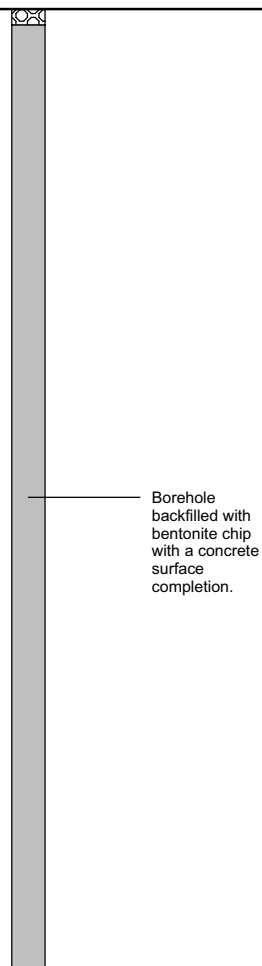
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-5'	3.5'	0.1			ASPHALT and Asphalt Fill, black, loose, dry, no odor.	
					0.4			2.5Y 5/4 light olive brown SILT and CLAY (CL), soft to stiff, low to medium plasticity, dry to moist, no odor. Wet at 1.5' bgs, some medium to coarse Sand and little fine Sand from 1.5-3.0' bgs.	
-5	-5	2	5-10'	4'	0.0	CL		2.5Y 4/4 olive brown SILT AND CLAY (CL), very hard, low plasticity, moist to 6' bgs, dry from 6-10' bgs.	
					0.0				Borehole backfilled with bentonite chip with a concrete surface completion.
-10	-10	3	10-15'	4'	0.0			10YR 4/1 dark gray CLAY (CL), stiff to hard, medium plasticity, dry, no odor.	
					0.0				
-15	-15							End of boring at 15' bgs.	



Remarks: NA = not applicable/ not available
bgs = below ground surface

Date Start/Finish: 9/17/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: B-39 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-5'	3.5'	0.1			ASPHALT and Asphalt Fill, black, loose, dry, no odor. 2.5Y 5/4 light olive brown SILT and CLAY (CL), soft to stiff, low to medium plasticity, dry to moist, no odor. Wet at 1.5' bgs, some medium to coarse Sand and little fine Sand from 1.5-3.0' bgs.	
					0.4				
-5	-5	2	5-10'	4'	0.0	CL		2.5Y 4/4 olive brown SILT AND CLAY (CL), very hard, low plasticity, moist to 6' bgs, dry from 6-10' bgs.	
					0.0				
-10	-10	3	10-15'	4'	0.0			10YR 4/1 dark gray CLAY (CL), stiff to hard, medium plasticity, dry, no odor. From 10.5-11.5' bgs - more Sand content, wet.	
					0.0				
-15	-15							End of boring at 15' bgs.	



	Remarks: NA = not applicable/ not available bgs = below ground surface
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Date Start/Finish: 9/18/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: B-40 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-5'	3.5'	0.1	CL		CONCRETE.	
					0.0			10YR 2/1 black Fill, SAND and CLAY (CL), few fine to coarse Gravel, dry, no odor.	
								10YR 5/4 yellowish brown CLAY (CL), medium stiff, plastic, dry, no odor.	
-5	-5					SM		10YR 5/4 to 4/4 yellowish brown to dark yellowish brown SILTY SAND (SM), compact, moist to wet.	
		2	5-10'	4'	0.0	ML		10YR 5/4 to 4/4 yellowish brown to dark yellowish brown SILT with CLAY (ML), few fine to medium Sand, compact, dry to moist, no odor.	
					0.0			10YR 5/4 to 4/4 yellowish brown to dark yellowish brown CLAY with SILT (CL), little fine to coarse Gravel, some Pebbles, dry.	
-10	-10				0.0			10YR 5/1 gray CLAY (CL), few fine to coarse Gravel and Pebbles, stiff to hard, non-plastic to low plasticity, dry, no odor.	



Remarks: NA = not applicable/ not available
bgs = below ground surface

Date Start/Finish: 9/18/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: B-40 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
-15	-15	3	10-15'	5'	0.0				
					0.0				
					0.0	CL		10YR 5/4 yellowish brown CLAY (CL), soft to medium stiff, dry to moist.	
		4	15-20'	5'	0.0			10YR 5/1 gray CLAY (CL), few fine to coarse Gravel and Pebbles, hard, non-plastic to low plasticity, dry, no odor.	
-20	-20				0.0				
					0.0				
		5	20-25'	5'	0.0				
					0.0				
-25	-25							End of boring at 25' bgs.	

Borehole backfilled with bentonite chip with a concrete surface completion.



Remarks: NA = not applicable/ not available
bgs = below ground surface

Date Start/Finish: 9/18/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: B-41 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-5'	2.5'	0.0	SW		2.5Y 5/6 light olive brown, fine to medium SAND (SW), well sorted, loose, dry, no odor.	
					0.0	SM		10YR 2/1 black SILTY SAND (SM), poorly sorted, slightly compact, moist to wet, no odor.	
					0.0	CL		2.5Y 4/3 olive brown CLAY (CL), little Sand and Silt, trace coarse Gravel and Pebbles, soft to medium stiff, plastic, dry to moist, no odor.	
-5	-5				0.0	ML		2.5Y 4/3 olive brown SILT (ML), dry, grading into hard Clay.	
		2	5-10'	3.5'	0.0			2.5Y 4/3 olive brown CLAY (CL), hard, dry, no odor.	
-10	-10				0.0				



Remarks: Soil samples collected from 0-2' bgs, 6-8' bgs, and 12-14' bgs, but held for laboratory analysis.
 NA = not applicable/ not available
 bgs = below ground surface

Date Start/Finish: 9/18/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 25' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: B-41 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
15	-15	3	10-15'	5'	0.0			10YR 5/1 to 4/1 gray to dark gray CLAY (CL), hard, non-plastic to low plasticity, dry, no odor.	
					0.0	CL			
		4	15-20'	5'	0.0				
20	-20				0.0				
		5	20-25'	5'	0.0				
25	-25							End of boring at 25' bgs.	

Borehole backfilled with bentonite chip with a concrete surface completion.



Remarks: Soil samples collected from 0-2' bgs, 6-8' bgs, and 12-14' bgs, but held for laboratory analysis.
 NA = not applicable/ not available
 bgs = below ground surface

Date Start/Finish: 9/19/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: Na	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: B-42 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-5'	2.5'	0.0			CONCRETE.	
					0.0			10YR 5/4 dark yellowish brown SAND AND CLAY (CL) Fill, few fine to coarse Gravel and Pebbles, hard, non-plastic, dry, no odor.	
-5	-5				0.0			Moist to wet, few 1-2" layers of wet CLAYEY SAND.	
		2	5-10'	4.25'	0.0	CL		Soft from 6-6.5' bgs.	
					0.0				Borehole backfilled with bentonite chip with a concrete surface completion.
-10	-10				0.0			10YR 5/4 to 4/2 dark yellowish brown to gray CLAY (CL), few fine to medium subrounded Gravel, trace coarse Gravel and Pebbles, hard, non-plastic to low plasticity, moist to wet, no odor.	
		3	10-15'	5'	0.0				
15	15							End of boring at 15' bgs.	

	Remarks: NA = not applicable/ not available bgs = below ground surface
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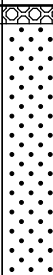
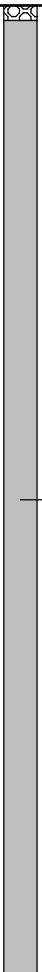
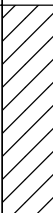
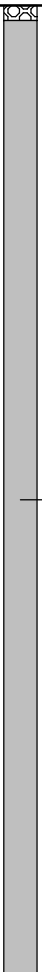
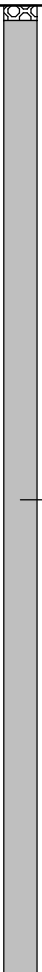
Date Start/Finish: 9/20/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 12' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: B-43 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-5'	2.5'	0.0	CL		10YR 4/6 dark yellowish brown CLAY (CL) with some fine to medium Sand, little Gravel, soft to medium stiff, plastic, dry, no odor.	    
					0.0	SM		10YR 4/6 dark yellowish brown SILTY SAND (SM), very fine to medium Sand, poorly sorted, loose to slightly compact, dry, no odor.	
					0.0	ML		10YR 4/6 dark yellowish brown SILT (ML) with little fine to medium Sand, compact, moist to wet, no odor.	
-5	-5	2	5-10'	5'	0.0	CL		10YR 4/6 to 5/2 grayish brown CLAY (CL), some Silt, little Sand, few subrounded, fine to coarse Gravel, trace Pebbles, stiff, non-plastic, dry, no odor.	
-10	-10	3	10-12'	2'	0.0	CL			 
					0.0				
-15	-15							Refusal and end of boring at 12' bgs.	 



Remarks: NA = not applicable/ not available
bgs = below ground surface

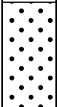
Date Start/Finish: 9/24/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 16' bgs Surface Elevation: NA Descriptions By: Jim Kralik	Well/Boring ID: B-44 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-4'	3'	0.0	SP		CONCRETE. 10YR 5/6 yellowish brown, fine to coarse SAND (SP), fine, subrounded GRAVEL, and very stiff CLAY, some 10YR 2/2 very dark brown, very fine to fine SAND, trace Slag and red Brick, dry, no odor.	
					0.1				
-5	-5	2	4-8'	4'	0.0	CL		Brownish gray CLAY (CL), trace fine, subrounded Gravel, stiff, plastic, dry to moist, no odor.	
					0.0				
-10	-10	3	8-12'	4'	0.0	GP		Brownish gray, fine to medium, subangular to subrounded GRAVEL (GP), some fine to coarse Sand, trace Clay, dense, dry, no odor.	
								Brownish gray CLAY (CL), trace fine, subrounded Gravel, stiff, plastic, dry to moist, no odor.	
					0.0				
		4	12-16'	4'	0.0	CL			
-15	-15				0.1				
								End of boring at 16' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 8-10' bgs.
 NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with bentonite chip with a concrete surface completion.

Date Start/Finish: 9/24/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 16' bgs Surface Elevation: NA Descriptions By: Jim Kralik	Well/Boring ID: B-45 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-4'	3'	0.1	CL		CONCRETE.	
					0.3			10YR 4/4 dark yellowish brown SANDY CLAY (CL), fine Sand, some medium to coarse Sand and fine Gravel, very stiff, plastic, dry, no odor.	
-5	-5	2	4-8'	4'	0.1	GP		10YR 6/3 pale brown, fine to coarse, subangular GRAVEL (GP), loose, dry, no odor.	
								10YR 5/3 brown, very fine to fine SAND (SP), some Silt, medium dense, dry, no odor. Cobble at 6' bgs.	
					0.3			10YR 2/2 very dark brown, fine, SAND (SP), poorly sorted, some Clay, trace fine, subrounded Gravel, medium dense, dry, no odor.	
-10	-10	3	8-12'	4'	0.1	SP		10YR 2/1 black, fine SAND (SP), poorly sorted, dry to moist, no odor.	
					0.3				Borehole backfilled with bentonite chip with a concrete surface completion.
		4	12-16'	4'	0.1			Wet at 12' bgs.	
-15	-15				0.3			10YR 5/1 gray, fine SAND (SP), poorly sorted, medium dense, moist, no odor or sheen. Some Silt and very fine Sand, dense from 15.5-16' bgs.	
								End of boring at 16' bgs.	



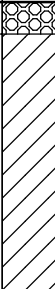
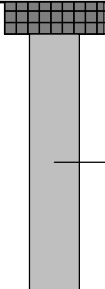
Remarks: Soil samples collected from 0-2' bgs and 10-12' bgs.
 NA = not applicable/ not available
 bgs = below ground surface
 Temporary PVC well installed for groundwater sampling. After sampling, temp well was removed and borehole was backfilled with bentonite chip with a concrete surface completion.

Date Start/Finish: 2/14/08 Drilling Company: Boart Longyear Driller's Name: Mike Ade Drilling Method: Hand Auger Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 3.25' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: B-46 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-3.25'	3.25	0.0	CL		CONCRETE. 10YR 4/1 to 5/2 dark gray to grayish brown CLAY (CL), few medium to coarse Gravel and Pebbles, trace fine to coarse Sand, wet, no odor. Large rocks encountered.	 Borehole backfilled with bentonite with a hydroplug concrete surface completion.
					0.0			End of boring at 3.25' bgs.	
-5	-5								
-10	-10								
-15	-15								

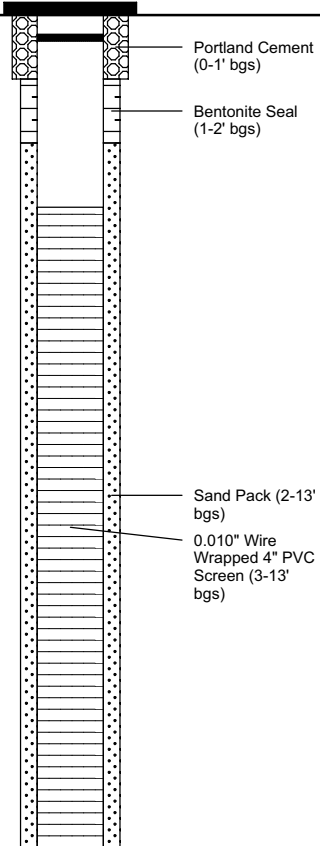
	Remarks: NA = not applicable/ not available bgs = below ground surface
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Date Start/Finish: 2/14/08 Drilling Company: Boart Longyear Driller's Name: Mike Ade Drilling Method: Hand Auger Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 4.5' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: B-47 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-4.5'	4.5'	0.0 0.0	CL		CONCRETE. 10YR 4/1 to 5/2 dark gray to grayish brown CLAY (CL), few Gravel, little dark gray to black Sand at surface of Clay under Concrete, decreasing moisture downhole, no odor.	 Borehole backfilled with bentonite with a hydroplug concrete surface completion.
-5	-5							End of boring at 4.5' bgs.	
-10	-10								
-15	-15								

	Remarks: NA = not applicable/ not available bgs = below ground surface
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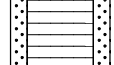
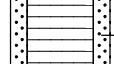
Date Start/Finish: 12/1/06 Drilling Company: Fibertec Driller's Name: Nathan Keller Drilling Method: Direct Push/HSA Sampling Method: HSA/Macrocore Rig Type: NA	Northing: 417593.2 Easting: 13412851.7 Casing Elevation: 916.91 Borehole Depth: 13' bgs Surface Elevation: 917.2 Descriptions By: Wayne Patterson	Well/Boring ID: EW-1 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
915									
0								No soil samples collected. See B-16 for soil description.	 Portland Cement (0-1' bgs) Bentonite Seal (1-2' bgs) Sand Pack (2-13' bgs) 0.010" Wire Wrapped 4" PVC Screen (3-13' bgs)
910									
5									
905									
10									
900								End of boring at 13' bgs.	
15									



Remarks: NA = not applicable/ not available
bgs = below ground surface

Date Start/Finish: 9/19/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: EW-2 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-5'	5'	0.0	SP		CONCRETE.	
						CL		10YR 2/1 black SAND (SP). 10YR 5/3 brown CLAY (CL) grading into 10YR 4/2 dark grayish brown CLAY at 1.25' bgs, stiff to hard, plastic, dry, no odor.	
-5	-5				1.0	CL		Soft to medium stiff.	
		2	5-10'	5'	161	SM		Some Sand, soft, moist. 10YR 4/2 dark grayish brown SILTY SAND (SM), very fine to medium Sand, little coarse Sand, poorly sorted, loose to slightly compacy, wet, strong odor.	
					170	CL		10YR 4/2 dark grayish brown SANDY CLAY (CL), few fine to medium Sand, couple layers (1-2") of Silty Sand, stiff, plastic, moist, strong odor.	
						SM		10YR 4/2 dark grayish brown SILTY SAND (SM), very fine to medium Sand, little coarse Sand, poorly sorted, loose to slightly compacy, wet, strong odor. Black to light yellow free product visible.	
-10	-10					CL		10YR 4/2 dark grayish brown SANDY CLAY (CL), few fine to medium Sand, couple layers (1-2") of Silty Sand, stiff, plastic, moist, strong odor.	
		3	10-15'	5'	253	SP		10YR 4/2 dark grayish brown, fine to medium SAND (SP), poorly sorted, little very fine Sand and Silt, few Clay, very loose, wet, strong odor.	
					98.4	CL		10YR 4/2 dark grayish brown CLAY (CL) with some Sand and Silt, increasing Clay content downhole, decreasing Sand content downhole, soft, non-plastic to low plasticity, wet, slight odor.	
-15	-15							End of boring at 14' bgs. Hard at 14.5' bgs, moist.	



Remarks: Soil samples collected from 0-2' bgs and 3-5' bgs.
 NA = not applicable/ not available
 bgs = below ground surface

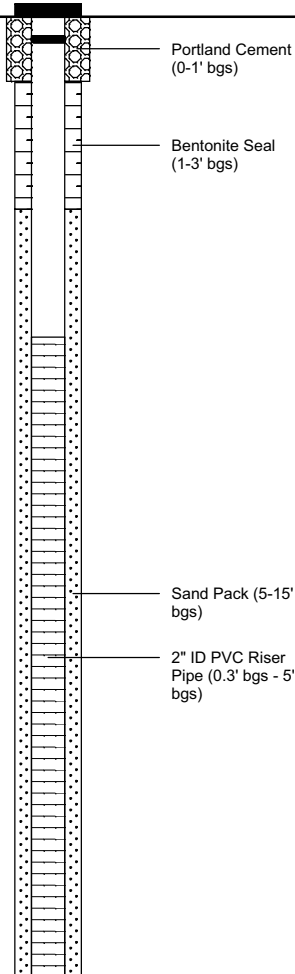
Date Start/Finish: 12/1/06 Drilling Company: Fibertec Driller's Name: Nathan Keller Drilling Method: Direct Push/HSA Sampling Method: Macrocore Rig Type: NA	Northing: 417694.9 Easting: 13412826.7 Casing Elevation: 917.46 Borehole Depth: 15' bgs Surface Elevation: 917.9 Descriptions By: Wayne Patterson	Well/Boring ID: MW-2 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
920									
0								ASPHALT.	
								Brownish gray LEAN CLAY (CL), roots, medium plasticity, stiff, moist, no odor, becoming wet and soft at 5'.	Portland Cement (0-1' bgs)
915		1	0-5'	3'	0.0	CL			Bentonite Seal (1-2' bgs)
5									
								Brown fine to coarse SILTY SAND (SM), predominately fine to medium grained, wet, loose, no odor.	
910		2	5-10'	4'	0.0	SM			Sand Pack (2-13' bgs)
10									0.010" Wire Wrapped PVC Screen (3-13' bgs)
905		3	10-15'	4.5'	0.0	CL		Brownish gray LEAN CLAY (CL), trace fine SAND, medium stiff, medium plasticity, wet, no odor.	Natural Collapse (13-15' bgs)
15								End of boring at 15' bgs.	



Remarks: NA = not applicable/ not available
 bgs = below ground surface
 No odors detected and no staining observed.

Date Start/Finish: 12/1/06 Drilling Company: Fibertec Driller's Name: Nathan Keller Drilling Method: Direct Push/HSA Sampling Method: Macrocore Rig Type: NA	Northing: 417562.54 Easting: 13412755.06 Casing Elevation: 916.9 Borehole Depth: 15' bgs Surface Elevation: 917.3 Descriptions By: Wayne Patterson	Well/Boring ID: MW-3 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
920									
0								No soil samples collected from 0-10' bgs. See B-14 for soil description.	 Portland Cement (0-1' bgs) Bentonite Seal (1-3' bgs) Sand Pack (5-15' bgs) 2" ID PVC Riser Pipe (0.3' bgs - 5' bgs)
915									
5									
910									
10									
905		1	10-15'	4.0'	NA	CL		Gray brown CLAY (CL), few fine to medium Sand, very soft, plastic, wet, slight odor detected and no staining observed, slight sheen on water.	
15								End of boring at 15' bgs.	



Remarks: NA = not applicable/ not available
bgs = below ground surface

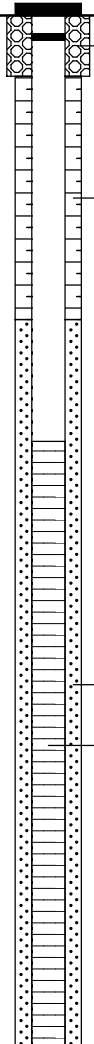
Date Start/Finish: 12/1/06 Drilling Company: Fibertec Driller's Name: Nathan Keller Drilling Method: Direct Push/HSA Sampling Method: Macrocore Rig Type: NA	Northing: 417541.2 Easting: 13413172.1 Casing Elevation: 912.78 Borehole Depth: 15' bgs Surface Elevation: 913.1 Descriptions By: Wayne Patterson	Well/Boring ID: MW-4 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
915									
0								ASPHALT.	
								Grayish brown LEAN CLAY with SAND, fine to coarse subangular to angular Sand, few fine gravel, soft, moist, medium plasticity, no odor.	Portland Cement (0-1' bgs)
								Wet.	Bentonite Seal (1-2' bgs)
910		1	0-5'	3'	0.0				
5									
								Brown, medium stiff.	
905		2	5-10'	4'	0.0	CL			Sand Pack (2-13' bgs)
									0.010" Wire Wrapped PVC Screen (3-13' bgs)
10								Gray, becoming stiff.	
900		3	10-15'	4'	0.0				Natural Collapse (13-15' bgs)
15								End of boring at 15' bgs.	



Remarks: NA = not applicable/ not available
 bgs = below ground surface
 No odors detected and no staining observed.

Date Start/Finish: 12/1/06 Drilling Company: Fibertec Driller's Name: Nathan Keller Drilling Method: Direct Push/HSA Sampling Method: Macrocore Rig Type: NA	Northing: 417422.5 Easting: 13412930.9 Casing Elevation: 916.14 Borehole Depth: 17' bgs Surface Elevation: 916.8 Descriptions By: Wayne Patterson	Well/Boring ID: MW-5 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915								No soil samples collected. See B-2 for soil description.	 Portland Cement (0-1' bgs) Bentonite Seal (1-5' bgs) Sand Pack (5-17' bgs) 2" ID PVC Riser Pipe (0.3' bgs - 7' bgs)
5									
910									
10									
905									
15									
900									



Remarks: NA = not applicable/ not available
bgs = below ground surface

Date Start/Finish: 9/13/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417580.9 Easting: 13412874.8 Casing Elevation: 916.66 Borehole Depth: 13' bgs Surface Elevation: 917.0 Descriptions By: Jim Kralik	Well/Boring ID: MW-6 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-4'	3.5'	1.3	CL		CONCRETE.	
					1.9	CL		10YR 4/4 dark yellowish brown CLAY (CL), little fine Gravel, trace fine to coarse Sand, stiff to very stiff, plastic, dry, no odor.	
					99.4	SP		Slight odor at 2.7' bgs. 2.5Y 4/3 olive brown and grayish brown fine SAND (SP), poorly sorted, medium dense, wet, odor present, possible staining and sheen.	
					164	ML		2.5Y 4/3 olive brown SILT (ML), medium dense, moist, odor present. Staining from 4-4.7' bgs.	
910		2	4-8'	4'	1441	SP		Yellowish brown, fine SAND (SP), poorly sorted, little Clay, medium dense, moist, odor present.	
						CL		Brownish gray CLAY (CL), some fine to coarse Sand, little fine Gravel, stiff, plastic, odor present.	
						SP		Yellowish brown, fine SAND (SP), poorly sorted, medium dense, wet, odor present, sheen present.	
905		3	8-12'	4'	2447	CL		Brownish gray CLAY (CL), some fine to coarse Sand, little fine Gravel, stiff, plastic, odor present.	
					755	CL		Brownish gray CLAY (CL), some fine to coarse Sand, little fine Gravel, stiff, plastic, odor present.	
								Blind drilled to 13' bgs to set well.	
								End of boring at 13' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 6-8' bgs.
 NA = not applicable/ not available
 bgs = below ground surface

Date Start/Finish: 9/14/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417532.7 Easting: 13412855.3 Casing Elevation: 916.48 Borehole Depth: 15' bgs Surface Elevation: 916.9 Descriptions By: Jim Kralik	Well/Boring ID: MW-7 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-5'	5'	0.6			CONCRETE.	 Portland Cement (0-1' bgs) Bentonite Seal (1-3' bgs)
						SP		Yellowish brown, fine SAND (SP), loose, dry, no odor.	
					0.9	CL		Dark yellowish brown to grayish brown CLAY (CL), some fine to medium Sand and fine Gravel, stiff, plastic, dry, slight odor.	
5									
910		2	5-10'	5'	643			Dark gray CLAY (CL), some olive brown, fine Sand, stiff, plastic, dry, odor present.	
						755	SM		
10								Dark gray to dark grayish brown, fine SAND (SP), some Silt, trace Clay, wet, strong odor and sheen present.	 Sand Pack (3-15' bgs) 0.010" slot PVC Screen (5-15' bgs)
905		3	10-15'	5'	1560	SP			
						698			
						CL		Brownish gray CLAY (CL), stiff, plastic, moist, odor present.	
15								End of boring at 15' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 5-7' bgs.
 NA = not applicable/ not available
 bgs = below ground surface

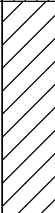
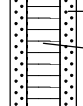
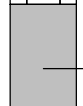
Date Start/Finish: 9/17/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 18' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: MW-8 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-5'	3.5'	0.0	CL		CONCRETE. 2.5Y 4/4 olive brown CLAY (CL), some very fine to medium Sand, hard, non-plastic, dry, no odor.	 Portland Cement (0-1' bgs)
					0.0			10YR 2/1 black, very fine to medium SAND and SILT (SM), dry, no odor.	
					0.0			2.5Y 5/6 light olive brown, very fine SAND and SILT (SM), some fine to medium Sand, loose, dry, no odor.	 Bentonite Seal (1-6' bgs)
-5	-5	2	5-10'	5'	0.0	SM			
					0.1				
-10	-10	3	10-14'	4'	136	SP		10YR 5/2 grayish brown, medium SAND (SP), some very fine to fine Sand, poorly sorted, loose, dry to moist, no odor.	
					2183			10YR 4/1 dark gray, very fine to medium SAND (SP), poorly sorted, little Silt, trace Clay, increasing Silt with depth, loose, wet, strong odor.	 Sand Pack (6-18' bgs)
-15	-15	4	14-18'	4'	1.9	ML		10YR 4/1 dark gray SILT (ML), some very fine to fine Sand and Clay, compact, moist to wet, moderately strong odor.	 0.010" slot PVC Screen (8-18' bgs)
					11.7	CL		10YR 4/1 dark gray CLAY (CL), few coarse, subangular Gravel and Cobbles, hard to very hard, non-plastic to low plasticity, dry to moist, slight odor.	
								End of boring at 18' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 8.5-10.5' bgs.
 NA = not applicable/ not available
 bgs = below ground surface

Date Start/Finish: 9/19/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: MW-9 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-5'	3'	0.0	CL		CONCRETE. 10YR 4/2 dark grayish brown SANDY CLAY (CL), soft, low plasticity, moist to wet, no odor.	
					0.0	ML		10YR 4/3 dark yellowish brown SANDY SILT (ML), few pebbles and medium to coarse Gravel, some Clay, compact, dry to moist, no odor. Moist to wet.	
-5	-5	2	5-10'	5'	0.0			10YR 4/3 dark yellowish brown SANDY CLAY (CL), some Silt, fine to medium Sand, little Gravel, compact, no odor. Wet at 8.5' bgs only in seams.	
-10	-10				0.0	CL		Grading into Clay with little Sand, hard, non-plastic, dry.	
		3	10-15'	5'	0.0			10YR 4/1 gray CLAY (CL), few subrounded Gravel, hard, non-plastic, dry to moist, no odor.	
-15	-15							End of boring at 15' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 3-5' bgs.
 NA = not applicable/ not available
 bgs = below ground surface

Date Start/Finish: 9/20/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 20' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: MW-10 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0								
		1	0-5'	2.5'	0.0	SP		ASPHALT. 10YR 4/4 dark yellowish brown, fine to coarse SAND (SP), poorly sorted, some fine to medium Gravel, few 1-3" layers of plastic, soft to medium stiff Clay, loose, moist, no odor. Wet at 2.25' bgs.	
					0.0				
5	-5	2	5-10'	5'	0.0	ML		10YR 4/4 to 4/6 dark yellowish brown to yellowish brown, poorly sorted, fine to medium SAND (SP), some very fine to coarse Sand, little Silt and Clay, loose, wet.	
					0.0	CL		10YR 4/6 dark yellowish brown SILT (ML) with little Clay, few Sand, trace Gravel, compact, dry to moist, no odor.	
					0.0	CL		10YR 4/2 dark grayish brown CLAY (CL), few fine to medium subrounded Gravel, hard, non-plastic, dry, no odor.	
10	-10	3	10-15'	2.25'	0.0	SP		10YR 4/2 dark grayish brown, fine to coarse SAND (SP) with some Silt, compact, moist. At 10' bgs - Fine to medium Sand, few coarse Sand, little Clay, loose, wet.	
					0.0	CL		10YR 4/2 dark grayish brown CLAY (CL), few fine to medium subrounded Gravel, hard, non-plastic, dry, no odor.	
					0.0	CL			
15	-15	4	15-20'	5'	0.0	SP		10YR 4/2 dark grayish brown SAND (SP), poorly sorted with some fine to coarse Gravel, trace Pebbles, moist to wet.	
					0.0	CL		10YR 4/2 dark grayish brown CLAY (CL), few fine to medium subrounded Gravel, hard, non-plastic, dry, no odor.	
					0.0	CL			
20	-20							End of boring at 20' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 7.75-9.75' bgs.
 NA = not applicable/ not available
 bgs = below ground surface

Date Start/Finish: 9/21/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417454.8 Easting: 13412773.2 Casing Elevation: 916.5 Borehole Depth: 20' bgs Surface Elevation: 917.1 Descriptions By: Beth Lindblade	Well/Boring ID: MW-11 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
920									
915		1	0-5'	3'	0.0	SW		CONCRETE. 7.5Y 2/0 black, fine SAND (SW), well sorted, loose, soft, dry, no odor.	Portland Cement (0-1' bgs)
910		2	5-10'	2.5'	0.0	CL SW		10YR 4/4 dark yellowish brown SANDY CLAY (CL), fine to medium Sand, few coarse Sand to coarse Gravel, couple Pebbles, soft to medium stiff, low plasticity, dry to moist, no odor. 7.5Y 2/0 black, fine SAND (SW), well sorted, loose, soft, dry, no odor. 10YR 4/6 dark yellowish brown alternating layers of SANDY CLAY (CL) with Gravel as above and fine to medium, loose, dry SAND (SP), no odor.	Bentonite Seal (1-7' bgs)
905		3	10-15'	4'	0.0	CL		19YR 4/2 dark grayish brown CLAY (CL), few fine to coarse Gravel, stiff to hard, low plasticity, dry, no odor. Grading into 10YR 4/1 dark gray CLAY. At 14' bgs - 1-2" seam of CLAYEY SAND, moist to wet, no odor.	Sand Pack (7-19' bgs) 0.010" slot PVC Screen (9-19' bgs)
900		4	15-20'	4.5'	0.0	SP ML CL		10YR 4/1 dark gray, very fine to fine SAND (SP), poorly sorted, loose, wet. 10YR 4/1 dark gray SANDY SILT (ML), few 1-2" seams of Sand, compact, wet, no odor. 19YR 4/1 dark gray CLAY (CL), few fine to coarse Gravel, stiff to hard, low plasticity, dry to moist, no odor.	Bentonite (19-20' bgs)
20								End of boring at 20' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 13-15' bgs.
NA = not applicable/ not available
bgs = below ground surface

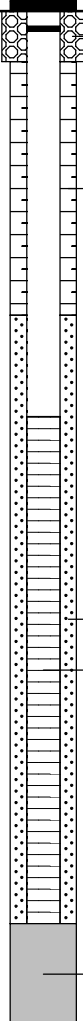
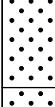
Date Start/Finish: 9/21/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417507.7 Easting: 13412903.5 Casing Elevation: 916.10 Borehole Depth: 19' bgs Surface Elevation: 916.9 Descriptions By: Beth Lindblade	Well/Boring ID: MW-12 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-5'	2.75'	0.0	SW		ASPHALT. 7.5Y 2/0 black, fine SAND (SW), well sorted, loose, dry. 10YR 4/6 dark yellowish brown SAND AND GRAVEL (SP), poorly sorted, loose, dry, no odor. 7.5Y 2/0 black, fine SAND (SW), well sorted, loose, dry. 10YR 4/6 dark yellowish brown SAND AND GRAVEL (SP), poorly sorted, loose, dry, no odor. 7.5Y 2/0 black, fine SAND (SW), well sorted, loose, dry. At 5' bgs - Becoming poorly sorted (SP), loose to slightly compact, few subangular Gravel.	Portland Cement (0-1' bgs) Bentonite Seal (1-7' bgs)
910		2	5-10'	2.5'	0.0	SW			
905		3	10-15'	4'	0.0	CL		Wet at 11' bgs.	
900		4	15-19'	3.5'	0.0	SP		7.5Y 2/0 black, fine SAND (SP), poorly sorted, loose, wet.	
					0.0	CL		10YR 4/1 to 4/2 dark gray to dark grayish brown CLAY (CL), few fine to coarse subrounded Gravel, hard, low plasticity, dry to moist.	
								End of boring at 19' bgs.	Sand Pack (7-19' bgs) 0.010" slot PVC Screen (9-19' bgs)



Remarks: Soil samples collected from 0-2' bgs and 9-11' bgs.
 NA = not applicable/ not available
 bgs = below ground surface

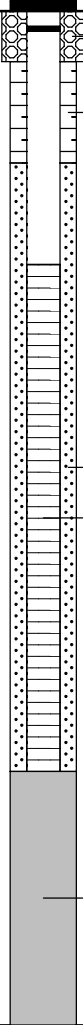
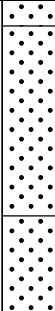
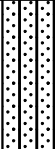
Date Start/Finish: 10/2/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417740.5 Easting: 13412814.7 Casing Elevation: 915.12 Borehole Depth: 20' bgs Surface Elevation: 915.5 Descriptions By: Beth Lindblade	Well/Boring ID: MW-13 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	915	1	0-5'	2.5'	0.0	CL		ASPHALT and Fill Gravel, dry to moist. 10YR 4/6 dark yellowish brown CLAY (CL) and SAND, dry to moist, no odor. 10YR 4/2 dark grayish brown and 5Y 5/2 olive gray mottled CLAY (CL), some poorly sorted Sand and Gravel, soft, plastic, dry to moist, no odor.	 Portland Cement (0-1' bgs) Bentonite Seal (1-6' bgs) Sand Pack (6-18' bgs) 0.010" slot PVC Screen (8-18' bgs) Bentonite (18-20' bgs)
5	910	2	5-10'	3.5'	0.0	CL		7.5Y 2/0 black CLAY (CL), stiff, medium plasticity to plastic, dry to moist, slight organic odor. 2.5Y 5/2 grayish brown CLAY (CL) with some fine to coarse Sand, medium stiff, low plasticity, dry, no odor.	
10	905	3	10-15'	5'	0.0	SP		10YR 5/2 to 2.5Y 5/2 grayish brown, very fine to medium SAND (SP), poorly sorted, very loose, wet, no odor.	
					0.0	CL		2.5Y 5/2 grayish brown CLAY (CL) and SILT, little fine to medium Sand, soft to medium stiff, dry to moist, no odor.	
					0.0	SP		10YR 5/1 gray, fine to medium SAND (SP), wet, no odor.	
					0.0	ML		10YR 4/1 dark gray, SAND (SP), poorly sorted.	
15	900	4	15-20'	5'	0.0	SP		10YR 5/3 brown SILT (ML), little very fine Sand, wet, no odor. 10YR 4/1 dark gray, very fine to coarse SAND (SP) and fine to medium GRAVEL, poorly sorted, very loose, wet, no odor. 10YR 5/3 brown, very fine to fine SAND (SP), loose to slightly compact, wet, no odor.	
					0.0	CL		10YR 5/3 brown SILT grading into CLAY (CL), compact, hard, low to medium plasticity, dry to moist, no odor.	
20	895							End of boring at 20' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 8-10' bgs.
 NA = not applicable/ not available
 bgs = below ground surface

Date Start/Finish: 10/2/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417713.1 Easting: 13412787.6 Casing Elevation: 915.34 Borehole Depth: 20' bgs Surface Elevation: 916.1 Descriptions By: Beth Lindblade	Well/Boring ID: MW-14 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-5'	2.5'	0.0	CL		ASPHALT and Fill Gravel, dry. 5Y 2.5/2 black SANDY CLAY (CL) mottled with some 10YR 5/2 grayish brown CLAY, some very fine to fine Sand, soft, non-plastic to low plasticity, dry to moist, no odor to slight organic odor.	 Portland Cement (0-1' bgs) Bentonite Seal (1-3' bgs) Sand Pack (3-15' bgs) 0.010" slot PVC Screen (5-15' bgs) Bentonite (15-20' bgs)
5									
910		2	5-10'	2.5'	0.0	SP		10YR 4/6 dark yellowish brown, fine to coarse SAND (SP) and fine to medium GRAVEL, poorly sorted, loose, dry to moist. 10YR 5/1 to 4/1 gray to dark gray, fine to medium SAND (SP), loose, dry to moist, no odor. Wet at 9' bgs.	
10									
905		3	10-15'	5'	0.0	SM		10YR 5/1 to 4/1 gray to dark gray, fine to coarse SAND (SP) and fine to medium GRAVEL, poorly sorted, few small Pebbles, loose, wet, no odor. 10YR 5/2 to 5/3 grayish brown to brown SILTY SAND (SM), loose to slightly compact, wet, no odor.	
15									
900		4	15-20'	2.25'	0.0	CL		10YR 5/2 grayish brown CLAY (CL), trace small subrounded Pebbles, medium stiff to stiff, medium plasticity to plastic, dry, no odor.	
20								End of boring at 20' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 7-9' bgs.
 NA = not applicable/ not available
 bgs = below ground surface

Date Start/Finish: 10/3/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417606.7 Easting: 13412896.8 Casing Elevation: 916.78 Borehole Depth: 15' bgs Surface Elevation: 917.4 Descriptions By: Beth Lindblade	Well/Boring ID: MW-15 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0								ASPHALT and Fill Gravel, dry.	
915		1	0-5'	4'	0.0	CL		10YR 5/6 yellowish brown SANDY CLAY (CL), soft, low plasticity, moist, no odor. Grading into 2.5Y 5/3 light olive brown, strong gasoline-like odor.	Portland Cement (0-1' bgs) Bentonite Seal (1-2' bgs)
5									
910		2	5-10'	4'	503	GP SP		Dark brown GRAVEL (GP), loose, dry. 2.5Y 4/3 olive brown, poorly sorted SAND with Clay (SP), wet, strong odor.	
								2.5Y 4/3 olive brown grading into 2.5Y 5/2 grayish brown SILTY SAND (SM), moist to wet, strong odor.	
10									
905		3	10-15'	5'	236	SM SP		10YR 5/2 grayish brown, very fine to fine SAND (SP), little medium Sand and Silt, very loose, wet, very strong gasoline-like odor. Visible product from 10-11.5' bgs.	Sand Pack (2-14' bgs) 0.010" slot PVC Screen (4-14' bgs)
					1.4	CL		10YR 5/2 grayish brown CLAY (CL) with little very fine to fine Sand and Silt, trace small Pebbles, dry to moist, very slight odor.	Bentonite (14-15' bgs)
15								End of boring at 15' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 4.5-6.5' bgs.
 NA = not applicable/ not available
 bgs = below ground surface

Date Start/Finish: 10/3/08 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417639.0 Easting: 13412963.5 Casing Elevation: 918.37 Borehole Depth: 15' bgs Surface Elevation: 918.8 Descriptions By: Beth Linblade	Well/Boring ID: MW-16 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
920									
0								ASPHALT, dry.	
		1	0-5'	2.5'	0.0	CL		10YR 5/2 to 5/3 grayish brown to brown CLAY (CL), soft to medium stiff, plastic, dry to moist, no odor. Wet from 1-1.25' bgs.	Portland Cement (0-1' bgs)
915					0.0				Bentonite Seal (1-2' bgs)
5								10YR 5/3 to 5/4 brown to yellowish brown, fine to coarse SAND and GRAVEL (SP), some Clay, trace small Pebbles, very poorly sorted, loose, wet, no odor.	Sand Pack (2-9' bgs)
		2	5-10'	5'	0.0	SP		10YR 5/4 yellowish brown CLAY (CL), little Sand and Silt, few small Pebbles, soft to very soft, plastic, moist to wet, no odor.	0.010" slot PVC Screen (4-9' bgs)
910					0.0			10YR 5/1 gray CLAY (CL), little fine to medium Sand, few small subrounded Pebbles, soft to medium stiff, medium plasticity, dry, no odor.	
10									
		3	10-15'	4.5'	0.0	CL			Bentonite (9-15' bgs)
905					0.0				
15								End of boring at 15' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 3-5' bgs.
NA = not applicable/ not available
bgs = below ground surface

Date Start/Finish: 10/3/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' bgs Surface Elevation: NA Descriptions By: Beth Lindblade	Well/Boring ID: MW-17 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0							ASPHALT, dry.	
		1	0-5'	4'	0.0	CL		10YR 4/1 to 3/2 dark gray to very dark grayish brown CLAY (CL) and SAND, some angular Gravel, loose, wet, no odor.	Portland Cement (0-0.75' bgs)
					0.0			10YR 5/4 yellowish brown CLAY (CL), few fine to medium Sand, soft to medium stiff, plastic, moist to wet.	Bentonite Seal (0.75-1.25' bgs)
-5	-5					SP		10YR 4/2 dark grayish brown SAND and GRAVEL (SP), few Clay, loose, moist to wet, no odor.	Sand Pack (1.25-7' bgs)
		2	5-10'	5'	0.0			10YR 5/4 yellowish brown CLAY (CL), some Silt and very fine to fine Sand, little medium Sand, trace to little subrounded Pebbles and medium to coarse Gravel, stiff to hard, non-plastic, dry to moist, no odor.	0.010" slot PVC Screen (2-7' bgs)
					0.0				
-10	-10					CL		10YR 5/1 gray CLAY (CL), stiff to hard, medium plasticity to plastic, dry, no odor.	Bentonite (7-15' bgs)
		3	10-15'	5'	0.0				
					0.0				
-15	-15							End of boring at 15' bgs.	



Remarks: NA = not applicable/ not available
bgs = below ground surface

Date Start/Finish: 10/3/07 Drilling Company: Boart Longyear Driller's Name: Andrew Roberts Drilling Method: Direct Push Sampling Method: Macrocore Rig Type: NA	Northing: 417468.4 Easting: 13413028.0 Casing Elevation: 916.43 Borehole Depth: 15' bgs Surface Elevation: 916.9 Descriptions By: Beth Lindblade	Well/Boring ID: MW-18 Client: General Motors Worldwide Real Estate Location: Employee Development Center Pontiac, Michigan
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
915		1	0-5'	4'	0.0	SP		ASPHALT, dry.	
					0.0	CL		10YR 4/6 dark yellowish brown SAND (SP) and angular to subangular GRAVEL, little Clay, very poorly sorted, loose, dry to moist.	
					0.0	CL		10YR 4/1 to 5/2 dark gray to grayish brown CLAY (CL), some subrounded Pebbles, hard to very hard, non-plastic, dry to moist, no odor.	
5									
910		2	5-10'	5'	0.0	CL		10YR 4/1 dark gray mottled CLAY (CL), soft, dry to moist, no odor.	
					0.0	SM		2.5Y 4/4 olive brown CLAY (CL), some Silt, stiff to hard, non-plastic to low plasticity, dry to moist, no odor.	
					0.0	CL		2.5Y 5/6 light olive brown SILTY SAND (SM), compact, wet, no odor.	
					0.0	CL		2.5Y 4/4 olive brown CLAY (CL), some Silt, stiff to hard, non-plastic to low plasticity, dry to moist, no odor.	
10									
905		3	10-15'	5'	0.0	SP		2.5Y 5/6 to 4/4 light olive brown to olive brown, very fine to fine SAND (SP), some Silt, loose, wet, no odor.	
					0.0	CL		10YR 5/1 to 5/2 gray to grayish brown CLAY (CL), few small subrounded Pebbles and medium to coarse Gravel, hard, non-plastic to low plasticity, dry, no odor.	
15								End of boring at 15' bgs.	



Remarks: Soil samples collected from 0-2' bgs and 5.5-7.5' bgs.
 NA = not applicable/ not available
 bgs = below ground surface

Date Start/Finish: 11/17/2010 Drilling Company: Terra Probe Driller's Name: Joe Fojtik Drilling Method: Geoprobe / Hollow Stem Auger Sampling Method: Hand Auger & 4' Macrocore Rig Type: 6620 DT Geoprobe	Northing: 417483.14 Easting: 13412718.40 Casing Elevation: 917.380081 Borehole Depth: 20' bgs Surface Elevation: 917.77 Descriptions By: Amber Dmytro	Well/Boring ID: MW-19 Client: Motors Liquidation Company Location: MLC - Former Pontiac Employment Development Center
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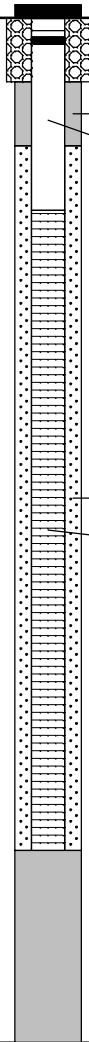
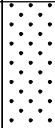
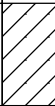
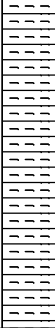
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
8								ASPHALT	
					0.0	FILL	x x x	FILL: Sand, gravel and brick.	
					0.0			CLAY, medium plasticity, some silt, stiff to medium stiff, brown (10YR 5/3). Note: roots throughout.	Bentonite Pellets (0.5-2' bgs)
915		1	0-5'	5.0	0.0	CL			Sch-40 PVC Riser
					0.0				
					0.0				
					0.0	SP		SAND, very fine to fine some medium, trace coarse; poorly sorted; dry; yellowish brown (10YR 5/4). Soils moist to wet at 5' bgs.	
5		2	5-8'	2.9	0.0			CLAY and silt, medium plasticity, little medium sand to small pebble, subangular to subrounded; stiff; dry to moist; no dilatancy; gray (10YR 5/1). Note: some wet seams, rapid dilatancy, trace very fine to fine sand seams.	
					0.0				
910									Sand Pack (2-13' bg)
					0.0				2" Sch-40 PVC 10 Slot Well Screen (3-13' bgs)
10		3	8-12'	3.0	0.0				
					0.0				
					0.0	CL			
905		4	12-16'	2.9	0.0				
					0.0				
15					0.0				
					0.0				
900		5	16-20'	2.9	0.0				
					0.0				
20								End of boring at 20' bgs.	



Remarks: bgs = below ground surface

Soil sample MW-19-11172010 (4-5) collected for laboratory analysis
 Groundwater encountered at 5' bgs.
 No staining or odor detected.

Date Start/Finish: 11/17/2010 Drilling Company: Terra Probe Driller's Name: Joe Fojtik Drilling Method: Geoprobe / Hollow Stem Auger Sampling Method: Hand Auger & 4' Macrocore Rig Type: 6620 DT Geoprobe	Northing: 417546.01 Easting: 13412698.09 Casing Elevation: 917.45 Borehole Depth: 16' bgs Surface Elevation: 917.92 Descriptions By: Amber Dmytro	Well/Boring ID: MW-20 Client: Motors Liquidation Company Location: MLC - Former Pontiac Employment Development Center
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
0									
					0.0	FILL		ASPHALT	 Bentonite Pellets (0.5-2' bgs) Sch-40 PVC Riser Sand Pack (2-13' bg) 2" Sch-40 PVC 10 Slot Well Screen (3-13' bgs)
					0.0			FILL: Sand and brick.	
915		1	0-5'	5.0	0.0	SP		SAND, very fine, some fine, some silt, trace clay; poorly sorted; dry; yellowish brown (10YR 5/6).	
					0.0			CLAY, medium plasticity, some silt, little very fine sand; dry; stiff to medium stiff; brown (10YR 5/3).	
5					0.0	CL			
		2	5-8'	2.3	0.0	SP		SAND, very fine to fine, some medium, little coarse to granule, trace small pebble, subangular to subrounded; poorly sorted; moist to wet; yellowish brown (10YR 5/4).	
					0.0			CLAY, high plasticity, little silt; dry to moist; medium stiff; grayish brown (10YR 5/2).	
910					0.0	SP		SAND, very fine to medium, some coarse, little very coarse to granule; poorly sorted; wet; yellowish brown (10YR 5/6).	
		3	8-12'	3.3	0.0			CLAY and silt, medium plasticity, little medium sand to small pebble, subangular to subrounded; dry to moist; stiff; gray (10YR 5/1). NOTE: some wet seams, rapid dilatancy.	
10					0.0				
		4	12-16'	2.4	0.0	CL / ML			
905					0.0				
15					0.0				
								End of boring at 16' bgs.	
900									



Remarks: bgs = below ground surface

Soil sample MW-20-11172010 (4.5-5.5) collected for laboratory analysis
Groundwater encountered at 5.6' bgs.
No staining or odor detected.

Date Start/Finish: 11/17/2010 Drilling Company: Terra Probe Driller's Name: Joe Fojtik Drilling Method: Geoprobe / Hollow Stem Auger Sampling Method: Hand Auger & 4' Macrocore Rig Type: 6620 DT Geoprobe	Northing: 417546.01 Easting: 13412698.09 Casing Elevation: 917.45 Borehole Depth: 16' bgs Surface Elevation: 917.92 Descriptions By: Amber Dmytro	Well/Boring ID: MW-20 Client: Motors Liquidation Company Location: MLC - Former Pontiac Employment Development Center
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DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	USCS Code	Geologic Column	Stratigraphic Description	Well/Boring Construction
20									

	Remarks: bgs = below ground surface Soil sample MW-20-11172010 (4.5-5.5) collected for laboratory analysis Groundwater encountered at 5.6' bgs. No staining or odor detected.
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