



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-257

TOTAL DEPTH (FT BGS): 105

PROJECT INFORMATION

PROJECT: MI LTM

PROJECT NO.: 121842-005

SITE LOCATION: Main Installation

PROJECT MANAGER: T. Holmes

FIELD STAFF: K. Sedlak

BOREHOLE STARTED: 3/26/2012

BOREHOLE FINISHED: 3/26/2012

DRILLING INFORMATION

DRILLING CO.: WDC

DRILLER: Coben Rockhill

DRILLING METHOD/RIG: Sonic

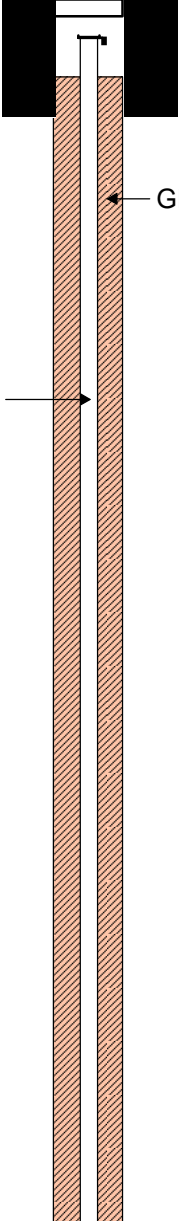
BOREHOLE DIAMETER: 6-inch

GROUND SURFACE ELEVATION (FT MSL): 292.67

WATER DEPTH/ DATE: 88.5 ft. btoc on 4/4/2012

BOREHOLE USE: Monitoring Well

NOTES: Well installed 3/27; well pad constructed 3/29 and well developed 4/2-4/12.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Well Description
		Gravel crushed limestone road base.		
	CL	Silty Clay, 7.5YR 5/6 (Brownish yellow), Dry, Low Plasticity.		
10	CL	Silty Clay, 7.5YR 5/8 (Strong Brown), Dry, Low Plasticity.		
20	CH	Silty Clay, 7.5YR 5/8 (Strong Brown), Moist, High Plasticity.		
30	CH	Silty Clay, 7.5YR 5/8 (Strong Brown), Moist, High Plasticity.		

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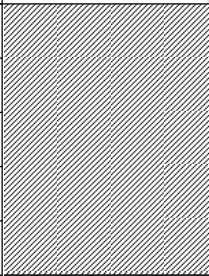
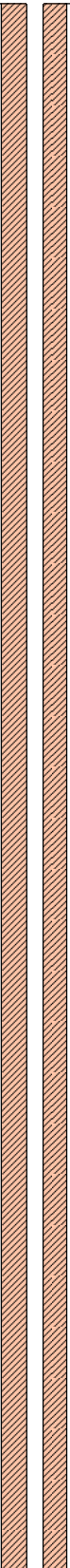
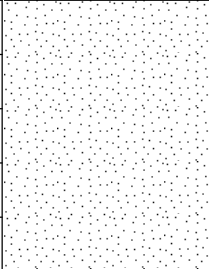
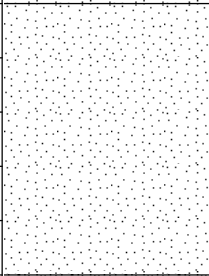
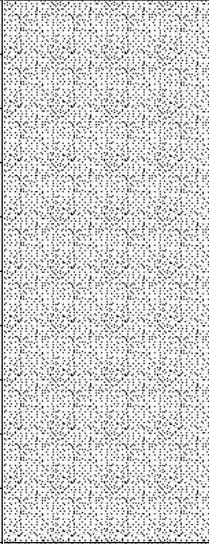
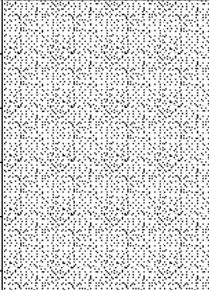
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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		CH Sandy Clay with some subangular pebble-sized gravel, 7.5YR 5/8 (Strong Brown), Moist, Low Plasticity		
		SW Fine-coarse Sand and Gravel with some clay, 2.5YR 4/8 (Yellowish Red), Well Graded.		
40		SW Fine-medium Sand with some angular gravel and trace clay, 10R 4/8 (Red), Dry, Well Graded.		
		SP Fine-medium Sand with little gravel and trace clay 10R 4/8 (Red), Dry, Poorly Graded.		
50				
		SP Same as above.		
60				

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
70		SW Fine-coarse Sand and large angular Gravel, 7.5YR 4/8 (Brownish Yellow), Dry, Well Graded.		
		SW Same as above.		
80		SP Fine Sand with trace gravel, 7.5YR 7/6 (Yellow), Dry, Poorly Graded.		
		CH Silty Clay with trace sand, 2.5YR 8/3 (Pink), gray with red veining, Moist, High Plasticity.		
		SP Fine Sand, 10YR 6/8 (Olive Yellow), Moist, Poorly Graded.		
90				

BENTONITE

SAND PACK

88.5 ft. btoc

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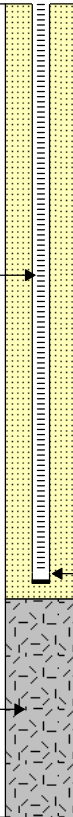
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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SW Fine-coarse Sand and subangular Gravel, 10YR 6/8 (Olive Yellow), Wet, Well Graded.	 SCREEN END CAP BENTONITE	
		SW Fine-coarse Sand and subangular Gravel, 5YR 5/8 (Strong Brown), Wet, Well Graded,		
		SW Same as above.		
100		CH Silty Clay, 5YR, 3/1 (Very Dark Gray), Stiff High Plasticity, Moist.		
		End of Log		
110				
120				

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