



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-259

TOTAL DEPTH (FT BGS): 145

PROJECT INFORMATION

PROJECT: MI LTM

PROJECT NO.: 121842-005

SITE LOCATION: Main Installation

PROJECT MANAGER: T. Holmes

FIELD STAFF: K. Sedlak

BOREHOLE STARTED: 3/27/2012

BOREHOLE FINISHED: 3/28/2012

DRILLING INFORMATION

DRILLING CO.: WDC

DRILLER: Coben Rockhill

DRILLING METHOD/RIG: Sonic

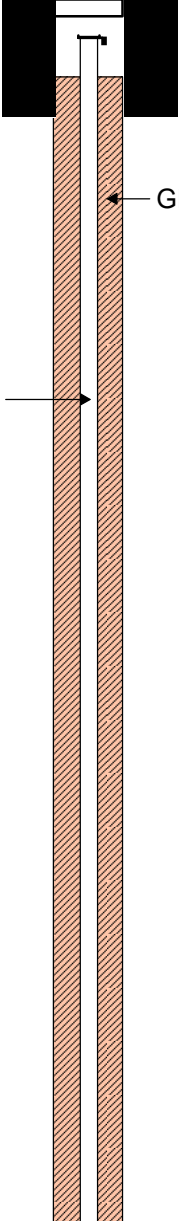
BOREHOLE DIAMETER: 6-inch

GROUND SURFACE ELEVATION (FT MSL): 291.44

WATER DEPTH/ DATE: 93.27 ft. btoc on 4/3/2012

BOREHOLE USE: Monitoring Well

NOTES: Drilled to 145 feet; sands from natural collapse filled borehole to 118 feet. Well installed 3/28; well pad constructed 3/30 and well developed 4/3/12.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Well Description
		2-Inches of Asphalt and 4-inches of base material.		
	CL	Silty Clay, 7.5YR 5/6 (Brownish yellow), Dry, Low Plasticity.		
10	CH	Silty Clay, 7.5YR 5/6 (Yellowish Brown), Moist, High Plasticity.		
20	CH	Silty Clay with some small angular gravel, 7.5YR 5/6 (Yellowish Brown), Moist, High Plasticity.		
30	CH	Silty Clay with trace sand, 5YR 5/6 (Strong Brown), Moist, Medium Plasticity.		

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
		SP Fine Sand with some clay, 10YR 5/8 (Red), Dry, Poorly Graded.		
		SP Fine Sand, 7.5YR 7/8, Dry, Poorly Graded.		
		SW Fine-coarse Sand with small to large subrounded Gravel and some clay, 2.5YR 6/8 (Reddish Yellow), Moist, Well Graded.		
40				
		SP Fine-medium Sand with small subangular gravel, 5YR 6/8 (Reddish Yellow)		
50				
		SP Same as above.		
60				

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Depth	Soil Symbol	Soil Description	Well Completion	Well Description
			93.28 ft. btoc	
		SP Same as above		
100				
		SW Fine-coarse Sand with small to large gravel, 7.5YR 5/8 (Yellowish Brown), Wet, Well Graded.		
		GW Small to large Gravel with coarse sand and fines, 5YR 5/8 (Strong Brown), Wet, Well Graded.	SCREEN	
110		SW Fine-coarse Sand with small to large Gravel, 5YR 5/8 (Strong Brown), Wet, Well Graded.		
		SW Coarse Sand with fines and small to large Gravel 5YR 5/8 (Strong Brown), Wet, Well Graded.		
120			END CAP	

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