FIELD BOREHOLE LOG

BOREHOLE NO.: MW-271
TOTAL DEPTH (FT BGS): 155

PROJECT INFORMATION

PROJECT: SRI Phase I
PROJECT NO.: 235772
SITE LOCATION: DDMT, Main Installation
PROJECT MANAGER: T. Holmes
FIELD STAFF: Sam Gillet
BOREHOLE STARTED: 5/1/2015
BOREHOLE FINISHED: 5/1/2015

DRILLING INFORMATION

DRILLING CO.: Cascade Drilling, L.P.
DRILLER: Mike Hansen
DRILLING METHOD/RIG: SuperSonic II
BOREHOLE DIAMETER: 6 in.
GROUND SURFACE ELEVATION (FT MSL): 295.5
WATER DEPTH/ DATE: 94.96 ft. btoc on 5/19/2015
BOREHOLE USE: Monitoring Well

NOTES: PID readings collected at 10 foot intervals beginning at 5 ft. bgs; all readings were 0 parts per million (ppm). 150 gallons of potable water used during drilling. Boring backfilled with bentonite from 146 to 155 ft, bgs prior to well installation. Well installed 5/2, well developed 5/3 and well pad constructed 5/6.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Observations
		ML Clayey silt. Grayish brown. Moist.		
		ML Clayey silt. Gray/brown, mottled. Moist.	GROUT	0 ppm
10				
		ML Clayey silt with trace fine sand. Reddish brown. Moist.		0 ppm
20				
		SP Silty fine sand. Gray brown with orange-red mottles. Moist.		0 ppm
30		**SP** Fine sand, trace silt. Tan. Moist.	RISER	
		SP Fine sand. Orange. Moist.		0 ppm
		SP Fine sand. Light yellow-tan. Dry.		
40		**SP** Medium sand. Light yellow-tan, Dry.		
		SW Gravelly fine to medium sand. Gravel is fine to coarse. Reddish brown. Moist.		0 ppm
50				

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Depth	Soil Symbol	Soil Description	Well Completion	Observations
		SW Fine to medium sand with some fine gravel. Light orange tan. Dry.		
		SW Fine to medium sand with trace coarse sand and fine gravel. Tan. Dry.		0 ppm
60				0 ppm
70				
		SP Fine to medium sand. Light yellowish-tan. Wet.		0 ppm
80				0 ppm
		CL Sandy clay. Sand is fine. Orange brown. Moist.		
90		**SP** Fine sand. Light yellow-tan. Moist.		
		SW Gravelly fine to medium sand. Gravel is fine to coarse. Light yellowish tan. Dry.	94.96	0 ppm
		SW Gravelly medium to coarse sand. Gravel is fine to coarse. Tan brown. Wet.		
100				

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Depth	Soil Symbol	Soil Description	Well Completion	Observations
		SW Medium to coarse gravelly sand. Tan brown. Wet.		0 ppm
110				
		GW Sandy gravel. Sand is fine to coarse, gravel is fine with some coarse. Tan brown. Wet.		0 ppm
120				
		GW Sandy gravel with some clay. Brown. Wet. 2-in. hardened conglomerate layer at 133 ft, bgs.	BENTONITE	0 ppm
130			SAND PACK	
		GW Sandy gravel with trace clay. Sand is medium, gravel is fine to coarse. Brown. Wet.		0 ppm
140		**SP** Fine sand. Tan brown. Wet.	SCREEN	
		SP Fine sand. Very light gray. Wet.	END CAP	0 ppm
		CL Brown clay.		
		CL Gray clay.	BENTONITE PLUG	
150				

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			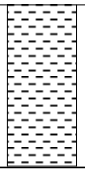	0 ppm
160 170 180 190 200		End of Log		

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