



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-285

TOTAL DEPTH (FT BGS): 110.5

PROJECT INFORMATION

PROJECT: SRI Phase 3

PROJECT NO.: 10058697

SITE LOCATION: DDMT, Main Installation

PROJECT MANAGER: T. Holmes

FIELD STAFF: C. Mokri

BOREHOLE STARTED: 6/13/2018

BOREHOLE FINISHED: 6/14/2018

DRILLING INFORMATION

DRILLING CO.: Cascade Drilling, L.P.

DRILLER: Jose Asua

DRILLING METHOD/RIG: Sonic, S1159

BOREHOLE DIAMETER: 6 in.

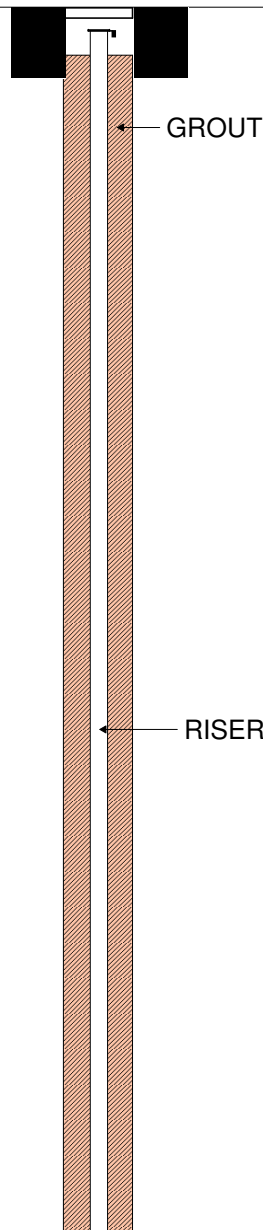
GROUND SURFACE ELEVATION (FT NAVD): 304.98

WATER DEPTH/ DATE(FT BTOC): 94.13 on 8/11/18

BOREHOLE USE: Monitoring Well

NOTES: PID readings collected at intervals of 5 feet or less beginning at ground surface; all readings were 0 parts per million (ppm) except for 1.3 ppm at 70 ft. bgs. No water used during drilling. Well installed 6/14, pad constructed 06/17 and well developed 7/12/18.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Comments
		Fill		
		CL Silty clay/Clayey silt, very stiff, medium plasticity, 7.5 YR 3/2, dark brown, dry		
		SM Silty sand with angular to 1" gravel, medium soft, 7.5 YR 5/2, brown		
10		CL Silty clay, medium plasticity, very soft, 7.5 YR 5/6, strong brown, moist 2.5 YR 4/8, reddish mottle Very stiff, 2.5 YR 4/6, red, dry		
20		CL Clay with trace fine sand, soft, medium to high plasticity, 7.5 YR 5/6, strong brown, moist Medium plasticity, 7.5 YR 4/4, brown		
30		CL Sandy clay, medium to fine grained, medium stiff, medium plasticity, 5 YR 4/4, reddish brown		
		SC Clayey sand, medium to fine grained, medium dense, 2.5 YR 3/4, dark reddish brown		
		SP Sand, medium to fine grained, very dense, 2.5 YR 4/6, reddish brown, dry Medium to coarse grained, 7.5 YR 3/8, dark red Dense, 2.5 YR 5/8, red Medium grained, 2.5 YR 4/6, red, moist Medium to coarse grained, loose Very loose, 5 YR 5/8, yellowish red Few rounded gravel to 1.5", medium to coarse grained		
40				
50				



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Depth	Soil Symbol	Soil Description	Well Completion	Comments
		Trace subrounded gravel, medium grained, medium dense, 5 YR 4/3, reddish brown		
		Fine grained, very loose, 7.5 YR 4/2, brown, moderate cementation		
60		SM Silty sand, fine grained, medium dense, 5 YR 4/2, dark reddish gray		
		SP Sand with rounded gravel up to 1", medium to coarse grained, loose, 5 YR 5/8, yellowish red Few subrounded gravel to 1", very loose		
70		5 YR 5/6, yellowish red		1.3 ppm
		Few subrounded gravel to 2"		
		Few silt, very loose, 5 YR 5/3, reddish brown Some silt, medium dense, 5 YR 4/2, dark reddish gray Trace silt and subangular gravel, fine grained, very loose, 5 YR 7/3, pink, dry		
80		Subrounded gravel to 3/4", medium to coarse grained, loose, 7.5 YR 4/4, brown Rounded gravel to 1", coarse grained, medium dense, 7.5 YR 5/8, strong brown, mottle or laminate, 5YR 3/1, very dark gray, increased moisture		
		Increased rounded gravel up to 1", 5 YR 6/6, reddish yellow		
90		GP Gravel with little coarse sand, subrounded to 2", loose, 7.5 YR 5/6, strong brown, wet Gravel up to 3/4"		
		2" thick stained layer of 7.5 YR 5/2		
100				

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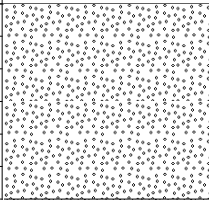
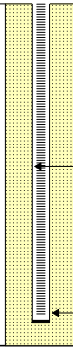
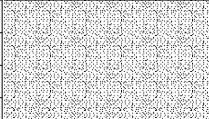
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Depth	Soil Symbol	Soil Description	Well Completion	Comments
		Little coarse sand, loose, 5 YR 5/8, yellowish red	 SCREEN END CAP	
		SP Sand with few gravel to 1", medium grained, loose, 10 YR 4/6, red		
110		Gravel, subangular, 2" layer at 109.4 ft.		
		End of Log		
120				
130				
140				
150				

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