



# FIELD BOREHOLE LOG

BOREHOLE NO.: MW-289

TOTAL DEPTH (FT BGS): 90

## PROJECT INFORMATION

PROJECT: SRI Phase 3

PROJECT NO.: 10058697

SITE LOCATION: DDMT, Main Installation

PROJECT MANAGER: T. Holmes

FIELD STAFF: C. Mokri

BOREHOLE STARTED: 6/18/2018

BOREHOLE FINISHED: 6/19/2018

## 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): 305.85

WATER DEPTH/ DATE(FT BTOC): 76.78 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). No water used during drilling. Well installed 06/19, pad constructed 06/20 and well developed 07/16/18.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Comments
10		<b>ML</b> Silt with trace angular gravel to 3/4", stiff, nonplastic, 7.5 YR 4/3, brown, moist  Medium stiff, low plasticity  With clay, medium plasticity, 7.5 YR 5/4, brown		
20		<b>CL</b> Clay with trace fine sand, medium stiff, medium plasticity, 7.5 YR 5/4 brown, moist  Stiff  Very Stiff  Sandy Clay, very stiff, multicolored 10 YR 4/8 red and 7.5 YR 5/4, brown  Fine grained sand, 10 R 4/8, red with 7.5 YR 5/4 brown mottle		
30		<b>SP</b> Sand with trace clay, medium to fine grained, dense, 2.5 YR 6/8, light red  Medium dense		
40		<b>CL</b> Sandy clay, soft, medium plasticity		
50		<b>SP</b> Sand with trace clay, medium grained, loose, 10 R 4/8, red  Medium to fine grained, 10 YR 5/6, red  Fine grained, very loose, 5 YR 6/6, reddish yellow  Multicolored 5 YR 4/2, weak red and light red 2.5 YR 6/4  Very loose, 2.5 YR 7/4, light reddish brown		

Created By: WTR

Created Date: 9/6/18

Checked By: CM/TCH

Checked Date: 9/24/18

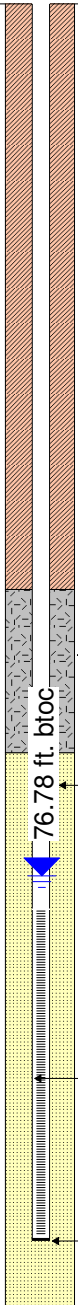
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Depth	Soil Symbol	Soil Description	Well Completion	Comments
		<b>SP/GP</b> Sand/gravel, fine grained, subangular gravel to 1/2", loose, 2.5 YR 6/6, light red, dry		
		<b>SP</b> With rounded gravel to 1/4", loose, moist		
		Medium to fine grained, no gravel, 5 YR 4/6, red		
		<b>GP</b> Gravel, subrounded to 1/2" with medium to coarse grained sand, loose, 2.5 YR 5/8, red, moist		
		<b>SP</b> Sand, medium grained, 7.5 YR 5/8, strong brown		
60		<b>GP</b> Gravel, subrounded to 1" with coarse sand, 7.5 YR 5/6, strong brown		
		<b>SP</b> Sand, fine to medium grained, 7.5 YR 5/6, strong brown		
		Trace rounded gravel to 1/2", 7.5 YR 6/3, light brown		
		<b>GP/SP</b> Gravel/sand, subrounded gravel to 1/2", loose, 7.5 YR 6/6, reddish yellow		
		<b>SP</b> Sand, medium to fine grained, loose, 7.5 YR 6/8, reddish yellow		
70		<b>GP/SP</b> Gravel/sand, subrounded gravel to 1/2", loose, 7.5 YR 6/6, reddish yellow		
		<b>SP</b> Sand with subrounded gravel to 1", coarse grained, loose, 7.5 YR 5/8, strong brown, wet		
		<b>GP</b> Gravel with coarse sand, gravel subrounded to 1", very loose, 7.5 YR 4/6, strong brown		
		7.5 YR 6/6, reddish yellow		
		5 YR 6/6, reddish yellow		
80		<b>GP/SP</b> Gravel/sand, coarse grained, subrounded gravel to 1/2"		
		<b>SP</b> Sand, fine grained, no gravel, very loose, 5 YR 6/4, reddish yellow		
		<b>GP</b> Gravel subrounded to 1.5", coarse grained sand, very loose, 5 YR 5/6, yellowish red		
		<b>CL/SC</b> Sandy clay/clayey sand, fine grained, very stiff, medium to low plasticity, 5 YR 6/8, reddish yellow with 5 YR 6/1 laminated gray		
90		Few fine sand, medium stiff, medium plasticity, 5 YR 6/6, reddish yellow with 5 YR 6/1, gray mottling, no gravel		
		End of Log		
100				

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