



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-286

TOTAL DEPTH (FT BGS): 115

PROJECT INFORMATION

PROJECT: SRI Phase 3

PROJECT NO.: 10058697

SITE LOCATION: DDMT, Main Installation

PROJECT MANAGER: T. Holmes

FIELD STAFF: C. Mokri

BOREHOLE STARTED: 6/14/2018

BOREHOLE FINISHED: 6/15/2018

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): 305.41

WATER DEPTH/ DATE(FT BTOC): 95.13 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 6.9 ppm at 13 ft. bgs. and 9.8 ppm at 18 ft. bgs. No water used during drilling. Well installed 06/15, pad constructed 06/17 and well developed 07/13/18.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Comments
		Fill		
		CH Fat clay, soft, high plasticity, gley 1 3/10 GY, dark greenish gray, moist		
10		ML Clayey silt, with trace fine sand, medium stiff, medium to low plasticity, 7.5YR 4/4, strong brown Very soft, medium plasticity Strong brown with gley mottle Soft, 2.5 Y 4/2, dark grayish brown, less mottle		6.9 ppm (Strong hydrocarbon odor)
20		CL Silty clay, soft, medium plasticity, 5 YR 4/4, yellowish red Very stiff, 5 YR 5/6, yellowish red Medium stiff		9.8 ppm
30		ML Clayey silt with few fine sand, stiff, medium to low plasticity, 5 YR 5/6, yellowish red Sandy silt with clay, medium stiff, low plasticity, 5 YR 4/4, yellowish red		
		SM Silty sand, fine to medium grained, loose, 2.5 YR 4/6, red		
40		SP Sand, medium grained, loose, 2.5 YR 4/8, red Medium to fine grained, very loose, 5 YR 5/8, yellowish red Fine grained, reddish yellow Medium to fine grained, 2.5 YR 5/8, red		
50				

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Created Date: 9/5/18

Checked Date: 9/24/18

PAGE: 1 of 3



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Depth	Soil Symbol	Soil Description	Well Completion	Comments
60		Medium to coarse grained, subangular gravel to 1", loose, 2.5 YR 5/6, red Few clay, medium to fine grained, dense. 1/4in thick light reddish gray laminate 2.5 YR 7/1 Fine grained, loose, 5 YR 6/6, reddish yellow Coarse grained, loose, 2.5 YR 4/8, red Sand with subangular gravel to 1", coarse grained , 2.5 YR 6/8, light red		
70		GP Gravel with coarse sand, loose, 2.5 YR 5/8, red SP Sand with gravel, medium to fine grained, loose, 2.5 YR 4/8, red 5 YR 6/6, yellowish red Few rounded gravel to 1", medium to coarse grained, loose, 5 YR 5/8, yellowish red		
80		SC Clayey sand, medium grained, medium plasticity, 5 YR 5/8, yellowish red with light redish gray laminate 2.5 YR 7/1, wet SP Sand, coarse grained, loose, 5 YR 5/8, yellowish red, moist Sand/gravel, coarse grained, gravel to 1/2", 2.5 YR 4/8, red GP Gravel, subrounded to 3/4", loose, 2.5 YR 4/6, red, wet Gravel/sand, fine grained, gravel subrounded to 1", 5 YR 7/6, reddish yellow		
		No Recovery		
90		SP Sand with gravel, coarse grained, loose, 2.5 YR 4/6, red Medium to fine grained, 2.5 YR 7/3, light reddish brown Coarse grained with rounded gravel to 1/4", 2.5 YR 5/6, red		
		No Recovery		
100				

95.13 ft. btoc

← BENTONITE

← SAND PACK

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Created Date: 9/5/18

PAGE: 2 of 3

Checked By: CM/TCH

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Depth	Soil Symbol	Soil Description	Well Completion	Comments
110		SP Coarse grained with trace rounded gravel to 1", 2.5 YR 6/6, light red 5 YR 5/8, yellowish red Few subrounded gravel to 3/4", loose, 7.5 YR 6/4, light brown Trace gravel, coarse grained, 5 YR 5/8, yellowish red Medium to fine grained, 2.5 YR 4/8, red Few gravel to 1", coarse sand, 2.5 YR 5/8, red	 SAND PACK SCREEN END CAP	
120		End of Log		
130				
140				
150				

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Created Date: 9/5/18

PAGE: 3 of 3

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