



FIELD BOREHOLE LOG

BOREHOLE NO.: MW-287

TOTAL DEPTH (FT BGS): 95

PROJECT INFORMATION

PROJECT: SRI Phase 3

PROJECT NO.: 10058697

SITE LOCATION: DDMT, Main Installation

PROJECT MANAGER: T. Holmes

FIELD STAFF: C. Mokri

BOREHOLE STARTED: 6/15/2018

BOREHOLE FINISHED: 6/16/2018

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): 305.01

WATER DEPTH/ DATE(FT BTOC): 79.76 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 6.2 ppm at 57 ft. bgs., 129 ppm at 58 ft. bgs., and 1.9 ppm at 61 ft. bgs. No water used during drilling. Well installed 06/16, pad constructed 06/20 and well developed 07/16/18.

Depth (ft, bgs)	Soil Symbol	Soil Description	Well Completion	Comments
0		ML Silt with trace fine sand, nonplastic, medium stiff, medium dry strength, 5 YR 4/4, reddish brown, moist		
10		CL Silty clay with trace fine sand, medium stiff, medium plasticity, 5 YR 5/4 yellowish red Very soft Medium stiff, 5 YR 4/3, reddish brown Soft, 5 YR 5/4, yellowish red Very stiff, 5 YR 5/4, yellowish red with some 2.5 YR 4/8 red mottle, dry 2.5 YR 5/4, reddish brown	GROUT	
20		SC Clayey sand, fine to medium grained, medium dense, 5 YR 6/4, light reddish brown Medium to coarse grained, 2.5 YR 4/6, red		
30		SP Sand with clay, dense, medium to fine grained, 2.5 YR 3/6, dark red Trace clay, medium grained, 2.5 YR 4/8, red with light gray laminate and mottle Medium grained, very dense Medium to coarse grained, medium dense, 2.5 YR 6/8, light red Very loose, medium to fine grained, 2.5 YR 7/2, pale red With rounded gravel to 3/4", fine grained, very loose, 2.5 YR 5/6, red, moist Medium stiff, medium to coarse grained, no gravel, red, 2.5 YR 4/6, red, wet	RISER	
40				
50				

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Depth	Soil Symbol	Soil Description	Well Completion	Comments
60		With silt, soft, very loose; cemented SP layer approximately 1/2" thick at 49 ft, 7.5 YR 6/4, light brown, dry With subangular gravel to 1", medium grained, loose, 2.5 YR 5/8, red, mottled with 2.5 YR 3/1, reddish gray, moist With subrounded gravel to 1", coarse grained, 2.5 Y 6/8, light red With gravel to 1/2", fine grained, loose, 2.5 YR 6/2, pale red, dry With gravel to 3/4", coarse grained, 2.5 YR 6/4, light reddish brown, moist Loose, increased gravel, 2.5 YR 5/8, red 2.5 YR 5/8, red, with 5Y 6/2 olive gray mottle Fine grained, loose, multicolored 2.5 YR 8/4, pink, 2.5 YR 5/8, red, with 5Y 4/2, olive gray With gravel to 1/2", 2.5 YR 5/6, light red Medium to coarse grained, 2.5 YR 6/6, light red		6.2 ppm 129 ppm 1.9 ppm
70				
80		SP/GP Sand/gravel, coarse grained, rounded gravel to 1", 2.5 YR 4/6, red GP Gravel with coarse sand, rounded to 1", loose, very moist Subrounded to 1/2", 2.5 YR 5/6, red, wet	79.76 ft. bloc ← BENTONITE ← SAND PACK	
90		SP Sand with gravel to 1/2", coarse grained, loose, 2.5 YR 5/6, red 2.5 YR 6/4, light reddish brown Fine grained, very loose, 2.5 YR 6/3, light reddish brown 2.5 YR 6/3, light reddish brown with red mottle 2.5 YR 4/6 Loose, coarse grained, 2.5 YR 5/8, red	← SCREEN ← END CAP	
100		End of Log		

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