

WELL INSTALLATION DIAGRAM

WELL NO.: MW-275

PROJECT: SRI Phase 2 PROJECT NUMBER: 10021503

SITE LOCATION: DDMT, Main Installation PROJECT MANAGER: T. Holmes

FIELD STAFF: J. Bills

DATE COMPLETED: 10/25/2016

NORTHING: <u>275231.84</u> EASTING: 805306.02

GROUND SURFACE ELEVATION (ft, NAVD): 272.59 TOP OF CASING ELEVATION (ft, NAVD): 272.31 TOP OF SCREEN ELEVATION (ft, NAVD): 191.8

WELL LOCATION: Off-site, South of Ball Rd. in NW corner of MAM Practice Field

DRILLING CO.: Cascade Drilling, L.P.

DRILLING METHOD: Sonic BOREHOLE DIAMETER (in): 6

SURFACE COMPLETION: Flush Mount

BOLLARDS: No

Prepared by: WTR

Date Prepared: 12/22/2016

WELL DIAMETER (in): 2

TYPE OF SCREEN/RISER MATERIAL: Sch. 40 PVC

Well

SLOT SIZE OF SCREEN: 0.010-in.

TYPE OF FILTER PACK: Silica Sand

GRADATION OF FILTER PACK: 8/16 Sand QUANTITY OF FILTER PACK: 5 - 50lb bags

TYPE OF BENTONITE IN SEAL: EnviroPlug Med. Chips

OUANTITY OF BENTONITE IN SEAL: 2-50lb bag TYPE OF GROUT: Type I/II cement with 4% bentonite

QUANTITY OF GROUT: 91.4 gallons DEVELOPMENT METHOD: Surge&Pump

DATE DEVELOPED: <u>12/5/2016</u> DEPTH TO WATER (ft.btoc): 66.55

NOTES: Boring backfilled with bentonite to 91 ft, bgs prior to well installation. No water used during drilling; 130 gallons removed during development on 11/9-12/16 and 240 gallons during re-development on 12/5/16. Depth to water measured on 12/9/16.

Well Completion **Details** (Not to Scale) DIMENSIONS OF CONCRETE PAD: 3ft. X 3ft. RISER-**GROUT** LENGTH OF RISER (ft): 80.5 DEPTH TO TOP OF BENTONITE (ft, bgs): 70 **BENTONITE** DEPTH TO TOP OF SAND PACK (ft, bgs): 75 SAND PACK SCREEN-LENGTH OF SCREEN (ft): 10 LENGTH OF END CAP: 0.2 ft. TOTAL DEPTH OF WELL (ft, btoc): 90.7 **END CAP** TOTAL DEPTH OF BORING (ft, bgs): 99

Checked by: TCH

Date Checked: 8/2/2017