WELL INSTALLATION DIAGRAM FJS **WELL NO.: MW-272** PROJECT: SRI Phase I NORTHING: 275879.61 **PROJECT NUMBER: 235772** EASTING: 804036.59 SITE LOCATION: DDMT MI GROUND SURFACE ELEVATION (ft, msl): 293.70 PROJECT MANAGER: T. Holmes TOP OF CASING ELEVATION (ft, msl): 293.27 TOP OF SCREEN ELEVATION (ft, msl): 180.5 FIELD STAFF: S. Gillet DATE COMPLETED: 4/30/2015 WELL LOCATION: E side of Bldg 490; on 5th St. north of Amido Ave. DRILLING CO.: Cascade Drilling, L.P. TYPE OF FILTER PACK: Silica Sand **DRILLING METHOD: Sonic GRADATION OF FILTER PACK: 8/16 Sand QUANTITY OF FILTER PACK: 4.5 - 50lb bags BOREHOLE DIAMETER** (in): 6 SURFACE COMPLETION: Flush Mount TYPE OF BENTONITE IN SEAL: EnviroPlug Med. Chips **BOLLARDS:** No QUANTITY OF BENTONITE IN SEAL: 1-50lb bag WELL DIAMETER (in): 2 TYPE OF GROUT: Type I/II cement with 4% bentonite TYPE OF SCREEN/RISER MATERIAL: Sch. 40 PVC **QUANTITY OF GROUT: 130 gallons** DEVELOPMENT METHOD: Surge & Pump (M.Monsoon) SLOT SIZE OF SCREEN: 0.010-in. DATE DEVELOPED: 5/2/15 DEPTH TO WATER (ft.btoc): 93.64 NOTES: Boring backfilled with bentonite from 124 to 125 ft, bgs prior to well installation. 150 gallons water used during drilling; 400 gallons removed during development. Depth to water measured on 5/19/15. Well Well Completion Details (Not to Scale) DIMENSIONS OF CONCRETE PAD: 3ft. X 3ft. GROUT RISER -LENGTH OF RISER (ft): 112.8

DEPTH TO TOP OF BENTONITE (ft, bgs): <u>103.3</u>

 BENTONITE
 SAND PACK

 SCREEN
 SAND PACK

 LENGTH OF SCREEN (ft): 10

 LENGTH OF SCREEN (ft): 10

 LENGTH OF END CAP

 TOTAL DEPTH OF WELL (ft, btoc): 123.0

 TOTAL DEPTH OF BORING (ft, bgs): 125

 Prepared by: WTR
 Date: 8/13/15

 Checked by: TCH
 Date: 8/13/15