



## WELL INSTALLATION DIAGRAM

WELL NO.: MW-273

PROJECT: SRI Phase I  
PROJECT NUMBER: 235772  
SITE LOCATION: DDMT MI  
PROJECT MANAGER: T. Holmes  
FIELD STAFF: J. Bills  
DATE COMPLETED: 7/26/2015  
WELL LOCATION: 1500 Dunn Ave.; former Dunn Elementary School; along eastern bndy, 80 feet north of Dunn Ave.

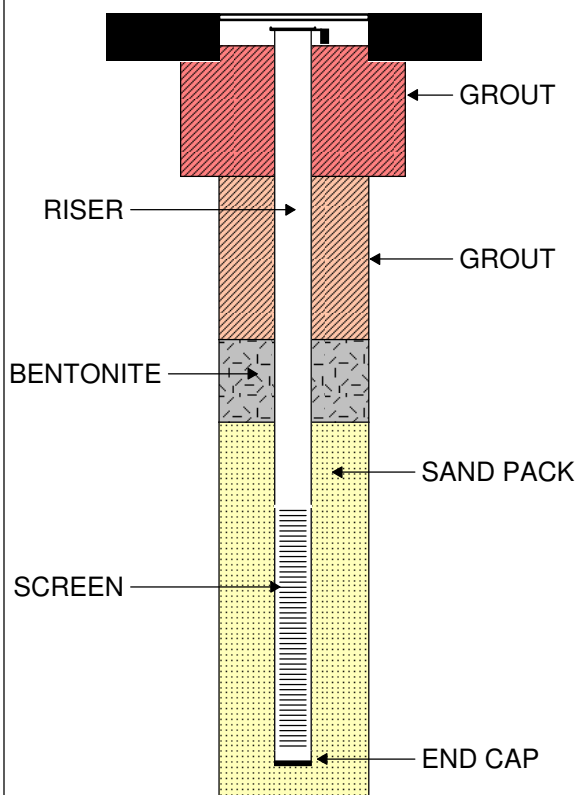
NORTHING: 279713.20  
EASTING: 800122.19  
GROUND SURFACE ELEVATION (ft, msl): 285.00  
TOP OF CASING ELEVATION (ft, msl): 284.73  
TOP OF SCREEN ELEVATION (ft, msl): 156.7

DRILLING CO.: Cascade Drilling, L.P.  
DRILLING METHOD: Sonic  
BOREHOLE DIAMETER (in): 12 and 6  
SURFACE COMPLETION: Flush Mount  
BOLLARDS: Yes (1)  
WELL DIAMETER (in): 2  
TYPE OF SCREEN/RISER MATERIAL: Sch. 80 PVC  
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  
QUANTITY OF BENTONITE IN SEAL: 1-50lb bag  
TYPE OF GROUT: Type I/II cement with 4% bentonite  
QUANTITY OF GROUT: 539 gallons  
DEVELOPMENT METHOD: Surge & Pump (Geotech Subm.)  
DATE DEVELOPED: 7/30/15  
DEPTH TO WATER (ft.btoc): 114.22

NOTES: 12-in. boring to 91 ft. for 8-in. surface casing; 6 in. boring from 91 to 140 ft. 100 gallons water used during drilling; 250 gallons removed during development. Depth to water measured on 7/30/15.

### Well Completion (Not to Scale)



### Well Details

DIMENSIONS OF CONCRETE PAD: 3ft. X 3ft.  
LENGTH OF SURFACE CASING (ft): 91  
LENGTH OF RISER (ft): 128.1  
DEPTH TO TOP OF BENTONITE (ft, bgs): 120.0  
DEPTH TO TOP OF SAND PACK (ft, bgs): 125.0  
LENGTH OF SCREEN (ft): 10  
LENGTH OF END CAP: 0.2 ft.  
TOTAL DEPTH OF WELL (ft, btoc): 138.3  
TOTAL DEPTH OF BORING (ft, bgs): 140

Prepared by: WTR

Date: 8/13/15

Checked by: TCH

Date: 8/13/15