

# WELL INSTALLATION DIAGRAM

**WELL NO.: MW-254**

PROJECT: Memphis Aquifer Drilling  
 PROJECT NUMBER: 121842-005  
 SITE LOCATION: DDMT-MI  
 e2M PROJECT MANAGER: Tom Holmes  
 e2M FIELD STAFF: B. Sperry  
 DATE COMPLETED: 8/1/2010  
 WELL LOCATION: DDMT-MI

NORTHING: 279334.36  
 EASTING: 800857.53  
 GROUND SURFACE ELEVATION (ft, msl): 293.28  
 TOP OF CASING ELEVATION (ft, msl): 292.84  
 TOP OF SCREEN ELEVATION (ft, msl): 7.24

DRILLING CO.: WDC  
 DRILLING METHOD: Sonic  
 BOREHOLE DIAMETER (in): 6 x 10 and 4 x 6  
 SURFACE COMPLETION: Flush Mount  
 BOLLARDS: No  
 WELL DIAMETER (in): 2  
 TYPE OF SCREEN/RISER MATERIAL: PVC Schedule 80  
 SLOT SIZE OF SCREEN: 0.010 inch

TYPE OF FILTER PACK: Sand  
 GRADATION OF FILTER PACK: 10-20  
 QUANTITY OF FILTER PACK: 7-50 lb. Bags  
 TYPE OF BENTONITE IN SEAL: Enviro plug chips  
 QUANTITY OF BENTONITE IN SEAL: 1-50 lb. Bags  
 TYPE OF GROUT: Portland Cement with bentonite powder  
 QUANTITY OF GROUT: 40 / 94 lb bags  
 DEVELOPMENT METHOD: Grunfos pump  
 DATE DEVELOPED: 8/12/2010  
 DEPTH TO WATER (ft.btoc): 135.25

NOTES: 6-inch schedule 80 PVC surface casing installed to depth of 85 feet bgs, approximately 10 feet into the clay at the base of the fluvial aquifer. Boring washed to 306 ft during well installation.

