

# WELL INSTALLATION DIAGRAM

WELL NO.: MW-252

PROJECT: IAQ Drilling  
 PROJECT NUMBER: 121803-008  
 SITE LOCATION: DDMT-MI  
 e2M PROJECT MANAGER: Tom Holmes  
 e2M FIELD STAFF: B. Sperry  
 DATE COMPLETED: 6/7/2010  
 WELL LOCATION: DDMT-MI

NORTHING: 278789.21  
 EASTING: 801364.7  
 GROUND SURFACE ELEVATION (ft, msl): 294.4  
 TOP OF CASING ELEVATION (ft, msl): 294.16  
 TOP OF SCREEN ELEVATION (ft, msl): 168.36

DRILLING CO.: Boart Longyear  
 DRILLING METHOD: Sonic  
 BOREHOLE DIAMETER (in): 6x10 and 3x5  
 SURFACE COMPLETION: Flush Mount  
 BOLLARDS: Yes  
 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: 8/16  
 QUANTITY OF FILTER PACK: 9-50 lb. Bags  
 TYPE OF BENTONITE IN SEAL: Medium  
 QUANTITY OF BENTONITE IN SEAL: 1.5-50 lb. Bags  
 TYPE OF GROUT: Portland Cement with bentonite powder  
 QUANTITY OF GROUT: 16-94 lb. Bags  
 DEVELOPMENT METHOD: Surge and pump (Waterra)  
 DATE DEVELOPED: 6/14 6/15/2010  
 DEPTH TO WATER (ft.btoc): 131.12 on 6/21/2010

NOTES: 6-inch Schedule 80 PVC surface casing installed to depth of 97.5 feet bgs, approximately 10 feet into the clay at the base of the fluvial aquifer.

