

# WELL INSTALLATION DIAGRAM

**WELL NO.: MW-256**

PROJECT: IAQ Drilling  
 PROJECT NUMBER: 121803-008  
 SITE LOCATION: DDMT-MI  
 e2M PROJECT MANAGER: Tom Holmes  
 e2M FIELD STAFF: K. Sedlak  
 DATE COMPLETED: 7/16/2010  
 WELL LOCATION: DDMT-MI

NORTHING: 279301.82  
 EASTING: 801243.8  
 GROUND SURFACE ELEVATION (ft, msl): 293.4  
 TOP OF CASING ELEVATION (ft, msl): 292.68  
 TOP OF SCREEN ELEVATION (ft, msl): 166.68

DRILLING CO.: Boart Longyear  
 DRILLING METHOD: Sonic  
 BOREHOLE DIAMETER (in): 6x10 and 4x6  
 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: DSI Well Gravel Pack  
 GRADATION OF FILTER PACK: 8-16 Sand  
 QUANTITY OF FILTER PACK: 6-0.5 cubic ft. Bags  
 TYPE OF BENTONITE IN SEAL: Enviro plug chips  
 QUANTITY OF BENTONITE IN SEAL: 1-50 lb. Bag  
 TYPE OF GROUT: Portland Cement with bentonite powder  
 QUANTITY OF GROUT: 11-94 lb. Bags/0.5 bag bentonite  
 DEVELOPMENT METHOD: Mega Monsoon Pump  
 DATE DEVELOPED: 7/18/2010  
 DEPTH TO WATER (ft.btoc): 130.75 on 7/21/2010

NOTES: 6-inch schedule 80 PVC surface casing installed to depth of 79 feet bgs, approximately 10 feet into the clay at the base of the fluvial aquifer. Boring washed to 147 feet bgs during well installation.

