



WELL INSTALLATION DIAGRAM

WELL NO.: **MW-259**

PROJECT: MLT-M
PROJECT NUMBER: 121842-005
SITE LOCATION: DDMT-MI
PROJECT MANAGER: T. Holmes
FIELD STAFF: K. Sedlak
DATE COMPLETED: 3/28/2012
WELL LOCATION: DDMT-MI

NORTHING: 276279.04
EASTING: 804450.97
GROUND SURFACE ELEVATION (ft, msl): 291.44
TOP OF CASING ELEVATION (ft, msl): 290.77
TOP OF SCREEN ELEVATION (ft, msl): 192.27

DRILLING CO.: WDC
DRILLING METHOD: Sonic
BOREHOLE DIAMETER (in): 6
SURFACE COMPLETION: Flush Mount
BOLLARDS: No
WELL DIAMETER (in): 2
TYPE OF SCREEN/RISER MATERIAL: PVC Schedule 40
SLOT SIZE OF SCREEN: 0.010

TYPE OF FILTER PACK: Silica Sand
GRADATION OF FILTER PACK: #5 (8-16) Sand
QUANTITY OF FILTER PACK: 9-50 lb. Bags
TYPE OF BENTONITE IN SEAL: Medium Chips
QUANTITY OF BENTONITE IN SEAL: 2-50 lb. Bag
TYPE OF GROUT: Portland Cement Type I/II
QUANTITY OF GROUT: 12-92 lb. Bags
DEVELOPMENT METHOD: Grundfos
DATE DEVELOPED: 4/3/2012
DEPTH TO WATER (ft, bwc): 93.3

NOTES: Drilled to 145 feet. Natural collapse to 118 feet. Centalizers at 0, 30 and 60 feet above top of screen.

Well Completion (Not to Scale)	Well Details
	<p>DIMENSIONS OF CONCRETE PAD: <u>3ft. x 3ft. x 4 in.</u></p> <p>LENGTH OF RISER (ft): <u>98.5</u></p> <p>DEPTH TO TOP OF BENTONITE (ft, bgs): <u>88</u></p> <p>DEPTH TO TOP OF SAND PACK (ft, bgs): <u>93.5</u></p> <p>LENGTH OF SCREEN (ft): <u>20.05</u></p> <p>LENGTH OF END CAP: <u>0.35 ft.</u></p> <p>TOTAL DEPTH OF WELL (ft, bwc): <u>118.6</u></p> <p>TOTAL DEPTH OF BORING (ft, bgs): <u>145</u></p>

Prepared by: **WTR**

Date: **4/9/2012**

Checked by: **KMS**

Date: **4/9/2012**