



# WELL INSTALLATION DIAGRAM

**WELL NO.: MW-200**

PROJECT: DDMT - Main Installation New Plume Wells

PROJECT NUMBER: 3202-019

SITE LOCATION: MI

e2M PROJECT MANAGER: T. Holmes

e2M FIELD STAFF: E. Van Schaik

DATE COMPLETED: 8/9/2006

WELL LOCATION: 130 feet east of W. E. Freeman and 250 feet south of Memphis Depot Pky.

NORTHING: 277006.104

EASTING: 802859.392

GROUND SURFACE ELEVATION (ft, msl): 300.51

TOP OF CASING ELEVATION (ft, msl): 300.18

TOP OF SCREEN ELEVATION (ft, msl): 196.98

DRILLING CO.: Prosonic

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: Sand

GRADATION OF FILTER PACK: 10-20

QUANTITY OF FILTER PACK: 9-50lb. Bags

TYPE OF BENTONITE IN SEAL: 3/8" Shur Plug Chips

QUANTITY OF BENTONITE IN SEAL: 1-50lb. Bag

TYPE OF GROUT: Portland Type I

QUANTITY OF GROUT: 11-94lb. Bags

DEVELOPMENT METHOD: Grundfos RediFlow II

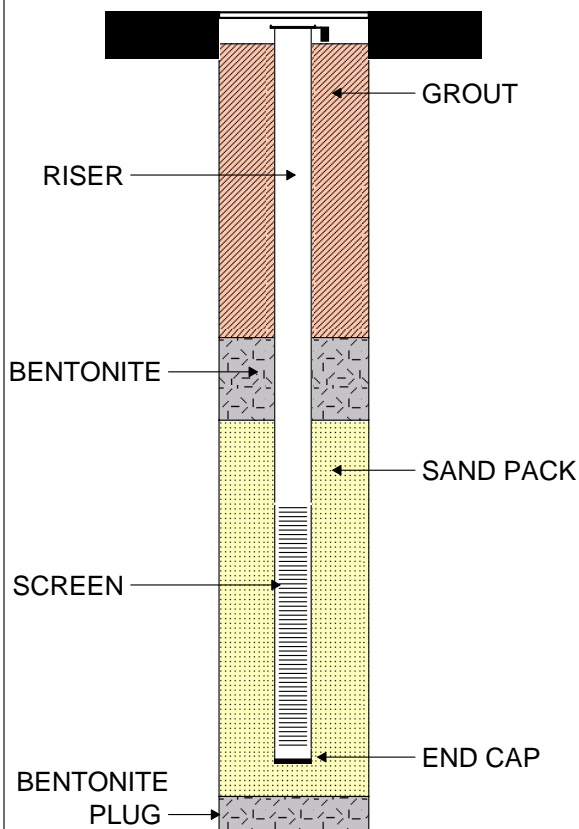
DATE DEVELOPED: 8/16/06

DEPTH TO WATER (ft.btoc): 102.53-ft. - 8/16/06

## NOTES:

Bottom 7 feet of boring backfilled with bentonite before installing well.

## Well Completion (Not to Scale)



## Well Details

DIMENSIONS OF CONCRETE PAD: 3-ft. by 3-ft.

LENGTH OF RISER (ft): 103.2

DEPTH TO TOP OF BENTONITE (ft, bgs): 92

DEPTH TO TOP OF SAND PACK (ft, bgs): 97

LENGTH OF SCREEN (ft): 15

LENGTH OF END CAP: 0.45-ft

TOTAL DEPTH OF WELL (ft, btoc): 118.37

DEPTH TO TOP OF BACKFILL (ft, bgs): 119

TOTAL DEPTH OF BORING (ft, bgs): 126

Prepared by: **WTR**

Date: **12/14/06**

Checked by: **KMS**

Date: **12/14/06**