



WELL INSTALLATION DIAGRAM

WELL NO.: MW-198

PROJECT: DDMT - Main Installation New Plume Wells

PROJECT NUMBER: 3202-019

SITE LOCATION: MI

e2M PROJECT MANAGER: T. Holmes

e2M FIELD STAFF: D. Whitesides

DATE COMPLETED: 8/23/2006

WELL LOCATION: Building 835. East parking lot.

NORTHING: 277775.667

EASTING: 802141.934

GROUND SURFACE ELEVATION (ft, msl): 291.8

TOP OF CASING ELEVATION (ft, msl): 291.5

TOP OF SCREEN ELEVATION (ft, msl): 201.9

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: 2-50lb. Bag

TYPE OF GROUT: Portland Type I

QUANTITY OF GROUT: 9-94lb. Bags

DEVELOPMENT METHOD: Grundfos RediFlow II

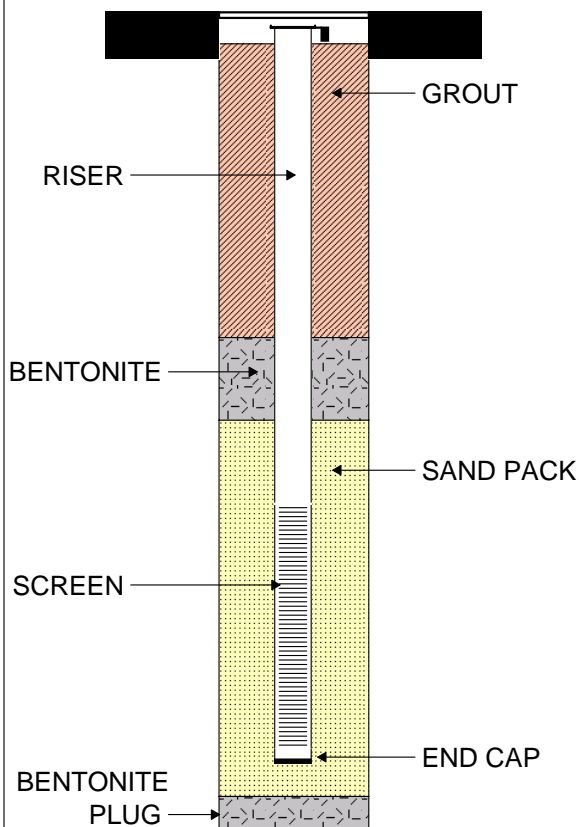
DATE DEVELOPED: 8/24/06

DEPTH TO WATER (ft.btoc): 93.9-ft. - 8/24/06

NOTES:

Bottom 9.9 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): 89.6

DEPTH TO TOP OF BENTONITE (ft, bgs): 79

DEPTH TO TOP OF SAND PACK (ft, bgs): 84

LENGTH OF SCREEN (ft): 15

LENGTH OF END CAP: 0.45-ft

TOTAL DEPTH OF WELL (ft, btoc): 105.1

DEPTH TO TOP OF BACKFILL (ft, bgs): 106.1

TOTAL DEPTH OF BORING (ft, bgs): 116

Prepared by: WTR

Date: 12/14/06

Checked by: KMS

Date: 12/14/06