



WELL INSTALLATION DIAGRAM

WELL NO.: MW-229

PROJECT: FOST-4

PROJECT NUMBER: 3202-031

SITE LOCATION: DF

e2M PROJECT MANAGER: T. Holmes

e2M FIELD STAFF: E. Van Schaik

DATE COMPLETED: 8/1/2007

WELL LOCATION:

NORTHING: 279293.98

EASTING: 802836.28

GROUND SURFACE ELEVATION (ft, msl): 311.99

TOP OF CASING ELEVATION (ft, msl): 311.77

TOP OF SCREEN ELEVATION (ft, msl): 123.34

DRILLING CO.: Boart Longyear

DRILLING METHOD: Sonic

BOREHOLE DIAMETER (in): 6

SURFACE COMPLETION: Flush Mount

BOLLARDS: No

WELL DIAMETER (in): 2

TYPE OF SCREEN/RISER MATERIAL: Sch. 40 PVC

SLOT SIZE OF SCREEN: 0.010 inch

TYPE OF FILTER PACK: Sand

GRADATION OF FILTER PACK: 10-20

QUANTITY OF FILTER PACK: 9 Bags

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

QUANTITY OF BENTONITE IN SEAL: 1 Bag

TYPE OF GROUT: Portland Type I

QUANTITY OF GROUT: 16 Bags

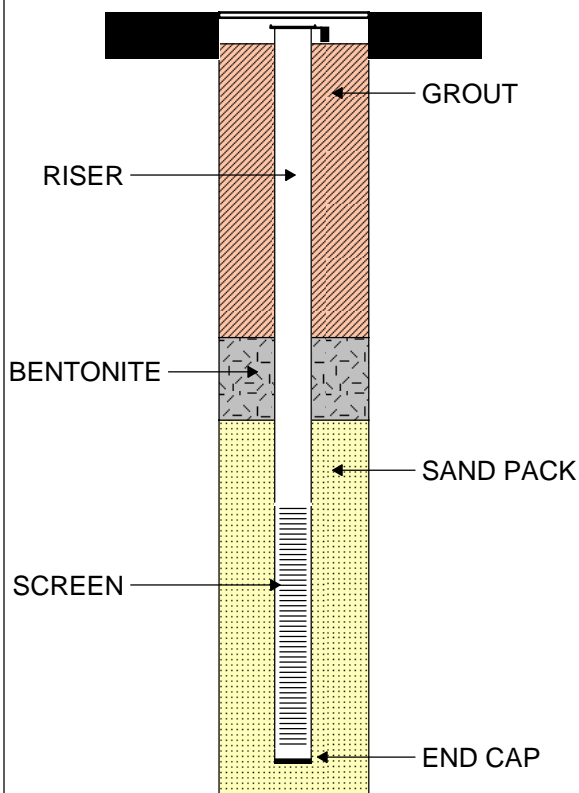
DEVELOPMENT METHOD: Grunfos Pump

DATE DEVELOPED: 8/3/2007 - 8/8/2007

DEPTH TO WATER (ft.btoc): 160.61

NOTES:

Well
Completion
(Not to Scale)



Well
Details

DIMENSIONS OF CONCRETE PAD: 3' x 3'

LENGTH OF RISER (ft): 188.43

DEPTH TO TOP OF BENTONITE (ft, bgs): 178.6

DEPTH TO TOP OF SAND PACK (ft, bgs): 184.1

LENGTH OF SCREEN (ft): 20

LENGTH OF END CAP: 0.22

TOTAL DEPTH OF WELL (ft, btoc): 208.65

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

TOTAL DEPTH OF BORING (ft, bgs): 210

Prepared by:

Date:

Checked by:

Date: