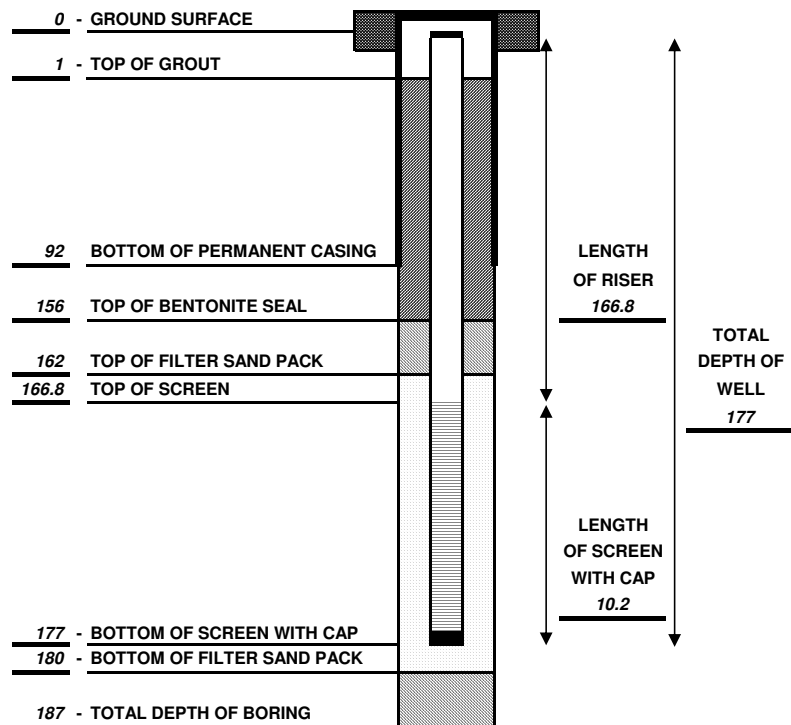


**CH2MHILL****Monitoring Well / Piezometer Completion Diagram***Flush Mount*

Project Name	Memphis Depot	Project Number	334469.SA.HS	Northing	281005.44
Project Location	Memphis, Tennessee	Start Date / Time	9/6/2007	Easting	801630.89
Well / Piezometer ID	MW-234	End Date / Time	9/16/2007		

Ground Surface Elevation	291.71	Static Water Level (ft btoc)	139.57
Top of Casing Elevation	291.50	Measured On	9/24/2007
Concrete Pad		Filter Pack Type	20 / 40
Dimensions	3 x 3 ft	Manufacturer	Southern Filter Media
Drain Tube	N	Amount Sand Used	4 X 50-lb bag(s)
Well Casing		Bentonite Type	3/8" Chips / Bentonite Powder (Gel)
Diameter	2"	Manufacturer	DSI SHUR-PLUG / DSI PURE-GEL
Material	Schedule 40 PVC	Amount Bentonite Below Screen	1 X 50-lb bag(s)
		Amount Bentonite Used (Seal)	3/4 X 50-lb bag(s)
Screen		Cement Type	Portland Type I
Diameter	2"	Manufacturer	Ash Grove
Material	Schedule 40 PVC	Amount Cement Used (Grout)	12 X 92.6-lb bag(s)
Slot Size	0.01	Density of Grout	12.4 lbs/gal
Permanent Casing		Cement Type (Permanent Casing)	Portland Type I
Diameter	6"	Manufacturer	Ash Grove
Material	Schedule 80 PVC	Amount Cement Used (Grout)	15 X 92.6-lb bag(s)
		Density of Grout	12.0 lbs/gal
Drilling Technique	Rotosonic (R <sub>1</sub> ) / Rotosonic (R <sub>2</sub> )		
Auger/Bit Size and Type	(R <sub>1</sub> ) 4" Core / 6"; 9.25" Casing		
Auger/Bit Size and Type	(R <sub>2</sub> ) 3" Core / 5.75" Casing		
Borehole Diameter	(R <sub>1</sub> ) 9.5" / (R <sub>2</sub> ) 6"		
	Drilling Contractor	Boart Longyear	
	CH2M HILL Field Representative	Derek Miller	

Remarks Grout Mix Ratio: 1 X 92.6-lb cement, 8 gals water, ~1 lbs bentonite gel



All measurements in feet  
All depths in feet below ground surface

QA / QC

DRILLER: C. Herron / T. Overcash

INSPECTOR: Derek Miller

CHECKED BY: D. Nelson DATE: 10/20/2007

DISCREPANCIES: