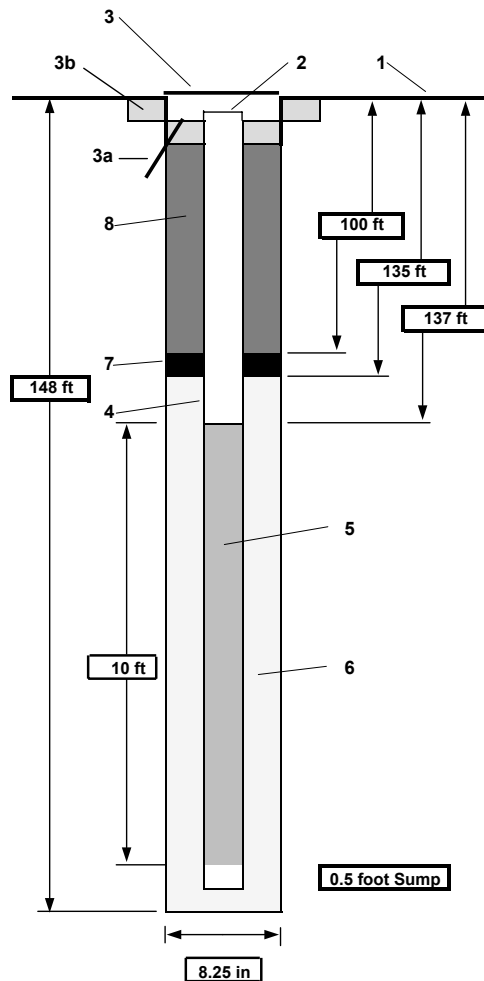




PROJECT NUMBER 160492.SA.03	WELL NUMBER MW-98	SHEET 1 OF 1
WELL COMPLETION DIAGRAM		

PROJECT : Long Term Operational Areas - Memphis Depot LOCATION : Memphis, Tennessee
 DRILLING CONTRACTOR : Tri-State Testing Services, Inc.
 DRILLING METHOD AND EQUIPMENT USED : Hollow Stem Auger 4.25 inch ID with CME Sampler
 WATER LEVELS : 102.00 feet BTOC (11/2001) START : 10/01/2001 END: 10/04/2001 LOGGER : Jay Parker (Jacobs)



Note: Diagram not to scale.

1- Ground elevation at well	294.93 feet MSL
2- Top of casing elevation	294.43 feet MSL
3- Wellhead protection cover type	Flush mount vault
a) drain tube?	no
b) concrete pad dimensions	3 ft x 3 ft x 6 in
4- Dia./type of well casing	2-inch Sch. 40 PVC
5- Type/slot size of screen	2-inch 0.010 slotted PVC
6- Type screen filter	#2 filter sand
a) Quantity used	bags
7- Type of seal	Bentonite chips
a) Quantity used	bags
8- Grout	
a) Grout mix used	90% Portland Grout, 10% bentonite powder
b) Method of placement	Tremie Method
c) Vol. of well casing grout	
Development method	Surge & pump with an electrical, centrifugal, in-line pump.
Development time	5.5 hour
Estimated purge volume	132 gallons
Comments	Total Depth (BGS) = 147.5 feet Completed based on decision by BCT members.
Final field parameters collected during well development (10/25/2001):	
pH =	6.51
conductivity =	0.245 mS/cm
temperature =	21.85 °C
Dissolved Oxygen =	5.42 mg/l
Turbidity =	18.4 NTU