



MACTEC Engineering and Consulting
3200 Town Point Dr, Suite 100
Kennesaw, GA 30144

FIELD BOREHOLE LOG

BOREHOLE NO.: **MW-166**

TOTAL DEPTH: **113'**

PROJECT INFORMATION

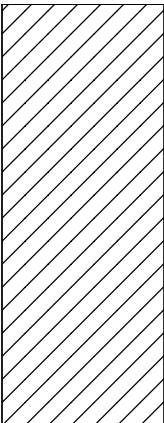
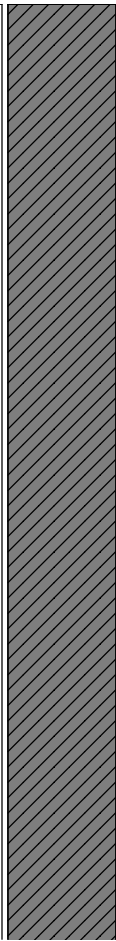

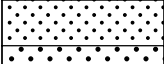

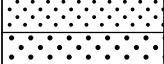
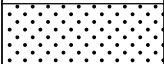
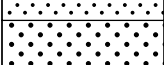


PROJECT: **DDMT**
SITE LOCATION: **Memphis, TN**
JOB NO.: **6301-04-0002**
LOGGED BY: **Bill Payne**
PROJECT MANAGER: **Tom Holmes**
DATE DRILLED: **11/13/04**

DRILLING INFORMATION

DRILLING CO.: **ProSonic**
DRILLER: **Dan O'Mara**
RIG TYPE: **RotoSonic**
TOP OF CASING
ELEVATION: **283.44**
GROUND SURFACE
ELEVATION: **280.96**

NOTES:

- 1) Drilling technique: 0 to 113 ft, bgs 6-inch diameter borehole with roto sonic.
- 2) Well construction: 2-inch diameter schedule 40 PVC casing set to 98.7 ft, bgs with 15 ft of 0.01-inch slot well screen.
- 3) Well screens the fluvial aquifer.
- 4) ▼ Stabilized water level measured on 11/20/04

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	FID ppm	WELL COMPLETION	WELL DESCRIPTION
0		CL	brown (7.5 YR 5/4) silty CLAY			Grouted Annulus
-5				0.0		
-10				0.0		
-15				0.0		
-20		CL	brown (7.5 YR 5/4) silty CLAY with fine gravel	0.0		
-25		SW	red (2.5 YR 5/6) fine grain SAND to coarse GRAVEL	0.0		
		SP	red (2.5 YR 5/6) fine grains SAND			
		SW	red (2.5 YR 5/6) fine grain SAND with fine to coarse grain GRAVEL			
-30		SP	reddish yellow (5 YR 6/8) fine grain SAND			
		SW	yellow (10 YR 8/8) fine grain SAND to coarse GRAVEL			
-35		SP	yellowish-red (5 YR 5/8) fine grain SAND			
-40		SW	reddish-yellow (7.5 YR 6/8), fine grain SAND to coarse GRAVEL		