

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

## | FIELD BOREHOLE LOG

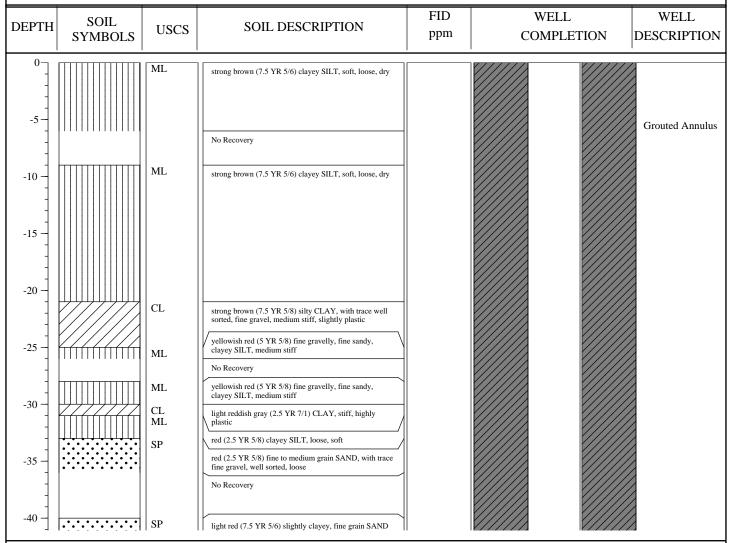
BOREHOLE NO.: MW-164

TOTAL DEPTH: 86

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	DDMT	DRILLING CO.:	ProSonic
SITE LOCATION:	Memphis, TN	DRILLER:	David Wilcox
JOB NO.:	6301-04-0019	RIG TYPE:	RotoSonic
LOGGED BY:	Kevin Arnold	TOP OF CASING ELEVATION: GROUND SURFACE	287.48
PROJECT MANAGER:	Tom Holmes		2011.10
DATE DRILLED:	10/09/04	ELEVATION:	287.70

## NOTES:

- 1) Drilling technique: 0 to 86.0 ft, bgs 6-inch diameter borehole with rotosonic.
- 2) Well construction: 2-inch diameter schedule 40 PVC casing set to 75.2 ft, bgs with 20 ft of 0.01-inch slot well screen.
- 3) Well screens the fluvial aquifer.
- 4) Tabilized water level measured on 10/09/04



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## Borehole No. **MW-164** WELL WELL **SOIL** FID **USCS DEPTH** SOIL DESCRIPTION **COMPLETION** DESCRIPTION **SYMBOLS** ppm SP red (7.5 YR 7/6) fine to coarse, well rounded gravelly, fine grain SAND, well sorted, very loose, amount of gravel decreases with depth -45 No Recovery Bentonite Seal reddish yellow (7.5 YR 6/8) fine to medium grain SAND, with trace well rounded fine to coarse gravel, -50 Sand Pack / Screened Interval -55 SP reddish yellow (7.5 YR 7/8) fine grain SAND, with trace well rounded fine to coarse gravel, very loose -60 reddish yellow (7.5 YR 7/6) fine to coarse, well rounded gravelly, fine grain SAND, well sorted, loose SP SP reddish yellow (7.5 YR 7/8) fine grain SAND, with trace well rounded course gravel, loose, moist $\,$ -65 No Recovery reddish yellow (7.5 YR 7/8) fine grain SAND, with trace silt, highly plastic, stiff, wet -70 SP SP reddish yellow (7.5 YR 7/8) fine sandy, clayey, SILT, CLCLpinkish gray (7.5 YR 6/2) to reddish yellow (7.5 YR 7/8) fine sandy CLAY, stiff, wet -75 CLreddish yellow (7.5 YR 7/8) silty CLAY, very stiff, wet gray (7.5 YR 5/1) silty CLAY, hard -80 Bentonite Plug Boring Terminated at 86 feet, bgs

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