

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

FIELD BOREHOLE LOG

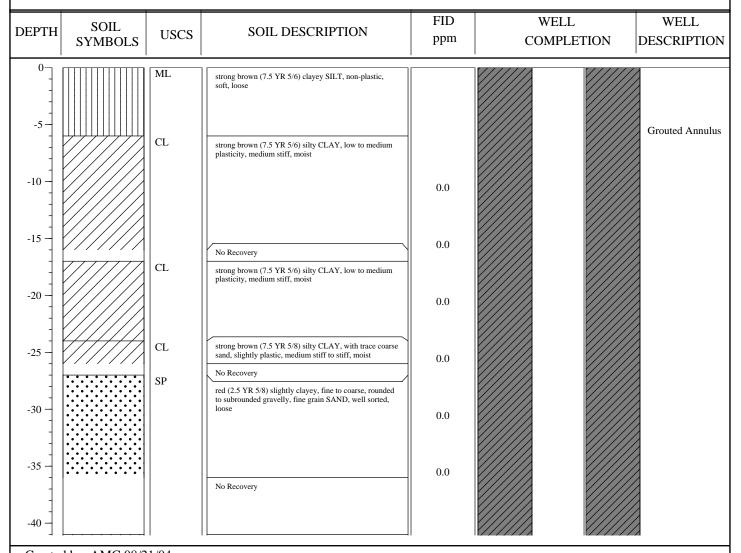
BOREHOLE NO.: MW-163

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 ELEVATION:	290.63
PROJECT MANAGER:	Tom Holmes		
DATE DRILLED:	10/07/04		290.81

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 76.51ft, bgs with 20 ft of 0.01-inch slot well screen.
- 3) Well screens the fluvial aquifer.
- 4) Tabilized water level measured on 10/08/04



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Borehole No. **MW-163** WELL WELL **SOIL** FID USCS **DEPTH** SOIL DESCRIPTION **COMPLETION** DESCRIPTION ppm **SYMBOLS** yellow (10 YR 7/6) fine to medium grain SAND with trace fine gravel, loose 7.0 No Recovery -50 SP yellow (10 YR 7/8) fine grain SAND, with trace coarse gravel, loose 0.4 Bentonite Seal -55 0.0 SP Sand Pack / reddish yellow (7.5 YR 6/8) fine to medium grain SAND, with trace fine to coarse, well rounded gravel, Screened Interval -60 -65 No Recovery SP reddish yellow (7.5 YR 6/8) fine to medium grain SAND, with trace fine to coarse, well rounded, gravel, -70 SP strong brown (7.5 YR 5/6) fine to medium grain SAND, well sorted, very loose -75 CLstrong brown (7.5 YR 5/6) to gray (7.5 YR 6/1) slightly silty CLAY, highly plastic, hard -80 Bentonite Plug gray (7.5 YR 6/1) slightly silty CLAY, highly plastic, hard CLBoring Terminated at 86 ft, bgs

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