

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

## FIELD BOREHOLE LOG

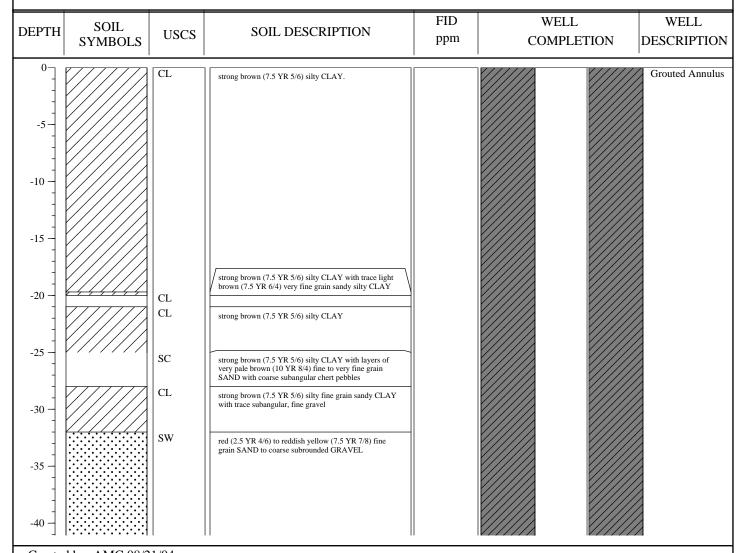
BOREHOLE NO.: MW-168

TOTAL DEPTH: 128'

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	DDMT	DRILLING CO.:	ProSonic
SITE LOCATION:	Memphis, TN	DRILLER:	Dan O'Mara
JOB NO.:	6301-04-0002	RIG TYPE:	RotoSonic
LOGGED BY:	Bill Payne	TOP OF CASING ELEVATION: GROUND SURFACE	283.95'
PROJECT MANAGER:	<b>Tom Holmes</b>		
DATE DRILLED:	11/11/04	ELEVATION:	284.17'

## NOTES:

- 1) Drilling technique: 0 to 128 ft, bgs 6-inch diameter borehole with rotosonic.
- 2) Well construction: 2-inch diameter schedule 40 PVC casing set to 119.5ft, bgs with 15 ft of 0.01-inch slot well screen.
- 3) Well screens the fluvial aquifer.
- 4) Tabilized water level measured on 11/20/04



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## Borehole No. **MW-168** SOIL WELL WELL FID DEPTH USCS SOIL DESCRIPTION **COMPLETION** DESCRIPTION ppm **SYMBOLS** -45 reddish-yellow (7.5 YR 6/6) fine to coarse grain SAND with interbedded subrounded, fine grain GRAVEL (wet at 69') SW -50 -55 -60 -65 $\nabla$ -70 -75 SP very pale brown (10 YR 7/4) fine to medium grain SAND with interbedded subrounded, fine gravel -80 -85 very pale brown (10 YR 7/4) fine to coarse grain SAND. -90 -95 very pale brown (10YR 7/4) fine to coarse SAND with fine gravel $\,$ Bentonite -100 Sand Pack / Screened Interval -105 -110 yellowish brown (10 YR 5/4) fine to coarse grain SAND with fine gravel, grading into brownish yellow (10 YR 6/8) fine to coarse SAND with fine to coarse gravel -115

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## Borehole No. **MW-168** WELL WELL SOIL FID DEPTH USCS SOIL DESCRIPTION ppm COMPLETION DESCRIPTION SYMBOLS CL-120 dark gray (10 YR 4/1) CLAY Bentonite Plug -125 Boring Terminated at 128 ft, bgs