

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

FIELD BOREHOLE LOG

BOREHOLE NO.: MW-152

TOTAL DEPTH: 116

	PROJECT	INFOR	MATION		DR	ILLING INFO	ORMATIO	N
PROJECT: DDMT			DRILLING CO.:		Pr	ProSonic		
SITE LOCATION: Memphis, TN			DRILLER:		Da	David Wilcox		
JOB NO.: 6301-04-0002			RIG T	YPE:	Ro	toSonic		
LOGGED BY: Kevin Arnold			TOP O	F CASIN	G			
PROJECT MANAGER: Tom Holmes			ELEVA	ATION:	289	9.59'		
DATE DRILLED: 8/11/04			GROUND SURFACE ELEVATION:		FACE 289	289.82'		
		0/1						
NOTE		0 to 116 () ft, bgs 6-inch diameter bore	phole with r	otosonic			
	•		meter schedule 40 PVC casir			with $20 \text{ ft of } 0.0$	1-inch slot w	ell screen
	ell screens the f			ig set to T	09.011, Ugs	with 20 it of 0.0	1-men slot w	en sereen.
		-	easured on 8/19/04					
					FID	WEI	T	WELL
DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTIO	ON	ppm		LETION	DESCRIPTIO
0-								
		ML	yellowish brown (10 YR 5/6), non-plastic t clayey SILT	o low plastic,				
-								
-5-					0.0			Grouted Annul
-		CL	olive brown (2.5 Y 4/4), slightly to medium CLAY, soft to very soft	1 plastic, silty				
-10 -								
-					0.0			
-			$\sqrt{\frac{1}{2}}$ alive brown (2.5 V 4/4), low to alightly alo	atia alauau				
-15 -		ML	olive brown (2.5 Y 4/4), low to slightly pla SILT, soft	stic, clayey	0.0			
-		CL	strong brown (7.5 YR 5/6), slight to medium CLAY with trace fine grain SAND, soft, m	m plastic, silty loist				
-20 -					0.0			
-		CI			0.0			
-	Y//////	CL	strong brown (7.5 YR 5/6), low to medium silty CLAY, medium stiff	1 plasticity,				
-	$\langle / / / / / / \rangle$				0.0			
-25 -		CD			0.0			
-25 -		SP	yellowish red (5 YR 5/6), fine grain SAND rounded coarse gravel, loose	with well	0.0			
-25 -		SP SP	rounded coarse gravel, loose yellowish red (5 YR 5/6), fine grain SAND					
-			rounded coarse gravel, loose		0.0			
-30 -		SP	rounded coarse gravel, loose yellowish red (5 YR 5/6), fine grain SAND medium stiff clay, moist					
-		SP NR	rounded coarse gravel, loose yellowish red (5 YR 5/6), fine grain SAND medium stiff clay, moist No Recovery) with trace				
-30 -		SP NR SP CL	rounded coarse gravel, loose yellowish red (5 YR 5/6), fine grain SAND medium stiff clay, moist No Recovery light grayish brown to reddish brown, fine ; with trace medium to coarse grain sand, loo) with trace	0.0			
-30 -		SP NR SP	rounded coarse gravel, loose yellowish red (5 YR 5/6), fine grain SAND medium stiff clay, moist No Recovery light grayish brown to reddish brown, fine ;	y with trace	0.0			

Borehole No. MW-152

DEPTH	SOIL SYMBOLS	USCS	SOIL DESCRIPTION	FID ppm	WELL COMPLETION	WELL
					COMPLETION	DESCRIPTIC
-			grain SAND with coarse gravel, well sorted			
		SW	red (2.5 YR 4/6), fine to coarse grain SAND, very loose			
-45 —			No Recovery	0.0		
-		NR				
-			and (2.5 VD 4/C). See and SAND second and second			
-50 -	••••	SP SP	red (2.5 YR 4/6), fine grain SAND, very loose, moist	0.0		
-			light red (2.5 YR 7/6), fine grain SAND with rounded coarse gravel, well sorted, loose			
-55 —				0.0		
		NR	No Recovery			
-		SP	pink (5 YR 8/3) rounded, fine grain SAND with trace			
-60 -			rounded to well rounded fine gravel to cobbles, loose, poorly graded, moist	0.0		
-						
-						
-65 —				0.0		
-		NR	No Recovery	0.0		
_		SP	reddish yellow (5 YR 7/5), fine grain SAND with trace rounded coarse gravel, very loose, poorly graded			
-70 -				0.0		
-		SP	pinkish gray (5 YR 7/2), fine grain SAND with trace medium grain sand and rounded, fine gravel, very loose	0.0		
-			medium grain sand and rounded, fine gravel, very loose			•
-75 —						.
-		NR	No Recovery			
-						
-80 -		SP	light reddish brown (5 YR 6/4), fine to medium grain SAND with trace rounded, fine gravel, loose, well sorted			
-			or it is whith these rounded, this graves, toose, wen sorted			
_						Bentonite Sea
-85 —						1
-	•••••	SP	yellow (10 YR 7/8), fine to medium grain SAND with			:
-			trace rounded, fine gravel, very loose, well sorted, wet			•
-90 -						Sand Pack /
-						Screened Inter
-						•
-95		SW	brownish yellow (10 YR 6/8), fine to medium grain SAND and rounded, fine GRAVEL, very loose, wet			1
	•••••	SP	yellow brown (10 YR 5/8), fine to medium grain SAND			1
			with fine to coarse gravel, loose, well sorted			•
100 -						1
						1
						•
105 -						• Bentonite Plu
-						
110 -		СН	dark gray (5Y 4/1), highly plastic CLAY, hard			-
						-
-						-
-115 -			Boring Terminated at 116 feet bgs			
Created	d by: AMC 08/2	21/04				D 0 00
Chaok	ed by: RNQ 09/	$\frac{1}{12}$				Page 2 of 2