

PROJECT NUMBER	BORING NUMBER
177556	MW-187

SOIL BORING LOG

PROJECT: Remedial Design Investigation LOCATION : Memphis Depot ELEVATION:

DRILLING CONTRACTO

DRILLING METHOD AND EQUIPMENT USED: Rotasonic rig (4 inch sample casing / 6 inch outer casing) DRILLING CONTRACTOR : Prosonic

	WATER LEVELS: STA			Mike Karafa	
		STANDARD	SOIL DESCRIPTION	COMMENTS	
DEPTH BELOW SURFACE (FT) INTERVAL (FT)			GOIL DEGORIF HON	CONNINIENTS	
INTE	KVAL (FI)	PENETRATION			
	RECOVERY (%)	TEST	SOIL NAME, USCS GROUP SYMBOL, COLOR,	DEPTH OF CASING, DRILLING RATE,	
	#/TYPE	RESULTS	MOISTURE CONTENT, RELATIVE DENSITY,	DRILLING FLUID LOSS,	
		6"-6"-6"	OR CONSISTENCY, SOIL STRUCTURE,	TESTS, AND INSTRUMENTATION.	
		(N)	MINERALOGY.	Corrected FID (ppm):	
1			Silt, yellowish-brown, grass, damp, stiff	0	
I –i	Ī			_	
I	I I		Silt, brown, fine grain loess, dry		
-1	100				
<u> </u>				0.0	
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10	100				
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	i		Silt, brown, loess fine grain, damp, stiff		
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I	I			99.0	
<u>-</u> I	<u> </u>			99.0	
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25	I				
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_!	<u> </u>				
1 !			Silt, brown, loess fine grain, damp, stiff		
_i	i			12.0	
1 i	i				
-i	i l				
30	100			14.0	
~~ _	1 '00			17.0	
_!	<u>!</u>				
1 !	ļ l			1	
-!	!		Silty sand, tannish orange, fine grain, sticky, damp	⊣	
!			Siny Sanu, tannish orange, nne grain, sucky, damp	1	
-				1	
1 _i	i				
1 i	i			1	
35	i l			1	
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-1	Į l			1	
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DRILLING METHOD AND EQUIPMENT USED: Rotasonic rig (4 inch sample casing / 6 inch outer casing)
WATER LEVELS: START: 314/2006 END: 3/14/2006 DRILLING CONTRACTOR : Prosonic

WATER LEVELS :	START:	314/2006 END: 3/14/2006 LOGGE	R: Mike Karafa
DEPTH BELOW SURFACE (FT)	STANDARD	SOIL DESCRIPTION	COMMENTS
INTERVAL (FT)	PENETRATION		
RECOVERY (%)	TEST	SOIL NAME, USCS GROUP SYMBOL, COLOR,	DEPTH OF CASING, DRILLING RATE,
#/TYPE	RESULTS	MOISTURE CONTENT, RELATIVE DENSITY,	DRILLING FLUID LOSS,
	6"-6"-6"	OR CONSISTENCY, SOIL STRUCTURE,	TESTS, AND INSTRUMENTATION.
 	(N)	MINERALOGY.	Corrected FID (ppm):
			0.0
i i		Sand, reddish orange, fine grain, loose, damp	
-! !			
40 100			
j j			
-			
-		Sand, light tan, fine grain, loose, dry gravel up to 1.5", sub-rounded	0.0
_! !			
1 1 1			
45			
i i			
-!!			
1 1 1			
_j			
50		sand, orangish brown, fine to regular coarse grain, loose, damp, gravel pea size	
50 100		up to 1/2" diameter	
_i i			
! !			6.5
-			0.0
-i i			
			4.5
55			
³⁵			
-			
			12.1
ii		Sand, tan, fine to med. grain, loose, damp, large gravel up to 4 in diam round	e ₁
-! !		sand, orangish brown, fine to regular coarse grain, loose, damp, gravel pea size	
		up to 1/2" diameter	
60 100			
-i			
		Sand some clay, dark grey and red, wet, loose, fine to medium.	58.0
i		Clay, tan, damp, sticky, approx. 2-3 in thick	0.0
-! !		Sand, tan, fine grain, loose, damp	
65			
<u> </u>			
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-ii			
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			0.0
1 1 1			
70 100			
-			
-i i			
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PROJECT :	Remedial Design Investigation	LOCATION: Memphis Depot			
ELEVATION:		DRILLING CONTRACTOR: Prosonic			
DRILLING METHOD AND EQUIPMENT USED: Rotasonic rig (4 inch sample casing / 6 inch outer casing)					

			EQUIPMEN			asing / 6 inch outer casing)	1.00055	NAT 17 7
	LEVELS			START:	314/2006	END: 3/14/2006	LOGGER :	Mike Karafa
	INTERVA		-1)	STANDARD		SOIL DESCRIPTION		COMMENTS
	INTERVA	L (FI)		PENETRATION				
		RECOVE	#/TYPE	TEST RESULTS		ROUP SYMBOL, COLOR, T, RELATIVE DENSITY,		DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS,
			#/1175	6"-6"-6"				
				(N)	OR CONSISTENCY, S MINERALOGY.	SOIL STRUCTURE,		TESTS, AND INSTRUMENTATION. Corrected FID (ppm):
				(14)	WIINETCALOUT.			Corrected Fib (ppm).
75								
					Sand, orangish tan, fine	to coarse gr, loose, pea size gravel to 1/2",	chert, wet	
-								
_								
-					Silty clay orange with	h It grey mottles, stiff dam		0.0
	l				only oldy, ordingo mil	g.eyeuce, e da		5.5
00		400						
80		100						
	i i							
-								
-	i i				sand, orange, fine to co	arse grain, loose, damp, gravel up to 1" diar	meter	
85								
					Sand, orange, loose, we	et, fine grain		
_								
	ii	ĺ			silty clay, dark grey, s	stiff, damp		
_								
					silty clay, dark grey			
90		100						
-								0.0
-								
95								
_								
_	 				Boring terminated a	nt 97-feet		
1 -								
1 -								
100								
100								
I -								
1								
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1 -								
105								
-								
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I -								
140								
110								