



PROJECT NUMBER 177556	BORING NUMBER MW-187
SOIL BORING LOG	

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)
 WATER LEVELS : START : 3/14/2006 END: 3/14/2006 LOGGER : Mike Karafa

DEPTH BELOW SURFACE (FT)	STANDARD PENETRATION TEST RESULTS		SOIL DESCRIPTION	COMMENTS
	INTERVAL (FT)	6"-6"-6" (N)		
	RECOVERY (%)	#/TYPE		
0			Silt, yellowish-brown, grass, damp, stiff	DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. Corrected FID (ppm): 0
5			Silt, brown, fine grain loess, dry	0.0
10			Silt, brown, loess fine grain, damp, stiff	0.0
15				99.0
20				92
25				12.0
30				12.0
35			Silty sand, tannish orange, fine grain, sticky, damp	14.0



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DEPTH BELOW SURFACE (FT)	INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS 6"-6"-6"-6" (N)	SOIL DESCRIPTION SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	COMMENTS DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION. Corrected FID (ppm):
	RECOVERY (%)	#/TYPE			
40	100			Sand, reddish orange, fine grain, loose, damp	0.0
45				Sand, light tan, fine grain, loose, dry gravel up to 1.5", sub-rounded	0.0
50	100			sand, orangish brown, fine to regular coarse grain, loose, damp, gravel pea size up to 1/2" diameter	6.5 4.5
55				Sand, tan, fine to med. grain, loose, damp, large gravel up to 4 in diam round.	12.1
60	100			sand, orangish brown, fine to regular coarse grain, loose, damp, gravel pea size up to 1/2" diameter	
				Sand some clay, dark grey and red, wet, loose, fine to medium.	58.0
				Clay, tan, damp, sticky, approx. 2-3 in thick	0.0
				Sand, tan, fine grain, loose, damp	
65					
70	100				0.0



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	RECOVERY (%)	#/TYPE			
75				Sand, orangish tan, fine to coarse gr, loose, pea size gravel to 1/2", chert, wet	
80		100		Silty clay, orange with lt grey mottles, stiff damp	0.0
85				sand, orange, fine to coarse grain, loose, damp, gravel up to 1" diameter	
				Sand, orange, loose, wet, fine grain	
				Silty clay, dark grey, stiff, damp	
90		100		silty clay, dark grey	0.0
95				Boring terminated at 97-feet	
100					
105					
110					