



PROJECT NUMBER <b>177556</b>	BORING NUMBER <b>MW-188</b>
<b>SOIL BORING LOG</b>	

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 : 3/15/2006      END: 3/15/2006      LOGGER : Mike Karafa

DEPTH BELOW SURFACE (FT)				STANDARD PENETRATION TEST RESULTS		SOIL DESCRIPTION		COMMENTS	
INTERVAL (FT)				PENETRATION TEST RESULTS		SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.		DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.	
RECOVERY (%)									
#/TYPE									
6"-6"-6" (N)								Corrected FID (ppm):	
						Silt, yellowish-brown, grass, damp, stiff		0	
						Silt, brown, fine grain loess, dry		0.0	
								5.7	
						Silt, brown, loess fine grain, damp, stiff			
						Silt with sand, brown, red sand stiff, damp, fine grained		56.0	
						Sand, orange, some silt, loose to sticky, fine grained, damp		12.0	
						Sand, orangish tan, loose, fien grained, dry			



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RECOVERY (%)									
#/TYPE								Corrected FID (ppm):	
40		100				Gravelly sand, orangish tan, fine to coarse, loose, damp, pea size gravel to 1/2" diam.		0.0	
45								0.0	
50		100				Sand, light tan, fine grain, loose, dry		0.0	
55						Sand, light tan, fine grain, loose, dry		0.0	
60		100				Sand, tan, fine to med. grain, loose, damp, large gravel up to 4 in diam round.		0.0	
65								58.0	
								0.0	
70		100				Sand, orangish tan, fine to coarse gr, loose, pea size gravel to 1/2", chert, damp			
						Sand, orangish tan, fine grained, dry, loose, gravel up to 1/2" diam		0.0	



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DEPTH BELOW SURFACE (FT)		INTERVAL (FT)		STANDARD PENETRATION TEST RESULTS  6"-6"-6"-6" (N)	SOIL DESCRIPTION	COMMENTS
		RECOVERY (%)	#/TYPE		SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY, OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY.	DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION.  Corrected FID (ppm):
75						0.0
80		100			Silty clay sand, orange, gravel and cobbles, saturated, loose cobbles up to 3" diam	
					Sandy clay, orange stiff, fine grained, wet	
85					Gravelly sand, orange, very coarse, loose, saturated, cobbles and gravel	0.0
					silty clay, orange with dark grey mottles, stiff, damp	
90		100			silty clay, dark grey, massive, stiff, damp	
95						0.0
					Boring terminated at 98-feet	
100						0.0
105						0.0
110						0.0