



**Layne-Western Company**  
A Layne Company  
2399 Cassens Drive • Fenton, Missouri 63028

**FIELD BORING LOG**  
IDOT  
Boring No. TH-1  
Missouri Ave. #3

Project IDOT Job No. \_\_\_\_\_ Date 9-17-07  
Location Missouri Ave. East St. Louis Ave. Dale M., Dave J., 75

Drilling Method:  HSA  CFA  Rotary Wash  Rock Coring  Drilling Fluid

DEPTH, ft.		DESCRIPTION	Sample		SPT Blows N/8"
From	To		Type	Depth, ft. Recovery	
0	10'	Fill Rocks, Cinders, Clay, Bricks	S.S.	33-35 80%	
10'	20'	Silty clay		38-40	
20'	37'	Dry Silty Fine Sand Brown		43-45	
37'	55'	Wet Brownish Silty Fine to med Sand.		48-50	
				53-55	
55'	75'	med to fine silty wet Grey Sand		58-60	
75'	80'	wet Grey to brown silty sand w/		63-65	
		Black Lignite or Organics.		68-70	
80'	85'	med to coarse sand w/ Heavy Gravel		73-75	
85'	112'	Med to coarse sands & Gravel		78-80	
112'		Boulders then Refusal some large		83-85	
		* First Auger to 40' when had trouble Auger to 50' (Helford)	Wash to 50'	83-88 100%	
		used 19 bags Bentonite		88-93	
		From - 85 on Sucked Mud		93-98	
		@ 1 Pit for 5' of Drilling = 2 Bag Pits		98-103	
				103-108	
				108-112	

WATER LEVEL OBSERVATIONS	NOTES	Piezometer Installed: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - Depth _____ ft.
During Drilling <u>±37</u> ft.	Back filled w/ Thick Bent. Mud chips to top then covered w/ cuttings	
At Completion _____ ft.		
After _____ hrs. _____ ft.		
After _____ hrs. _____ ft.		