

**BORING NO. 4** Page 1 of 2

CLIENT <b>CITY OF MOLINE</b>		PROJECT <b>SLOPE STUDY</b>	
SITE <b>3800 38TH AVENUE MOLINE, ILLINOIS</b>		PROJECT <b>SLOPE STUDY</b>	
Boring Location: Sta. 4+50, 16' right of centerline			
GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	TESTS
	Approx. Surface Elev.: 91 ft		
	1.5' <b>FILL, LEAN TO FAT CLAY WITH ROOTS</b>	89.5	
	Lean to Fat Clay Gray Soft to Medium		
	6' <b>FAT CLAY WITH FRAGMENTS OF WEATHERED SHALE</b>	85	
	Brown and Gray Stiff		
	15' <b>HIGHLY TO MODERATELY WEATHERED SHALE***</b>	76	
	Brown and Gray Soft to Medium		
	27' <b>Continued Next Page</b>	64	

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual. \*Pocket Penetrometer  
\*\*Calibrated Hand Penetrometer

WATER LEVEL OBSERVATIONS, ft		BORING STARTED	4-3-03
WL 13	W.S. 13	BORING COMPLETED	4-3-03
WL 13	W.S. 13	RIG	93 FOREMAN JC
WL		APPROVED	WKB JOB # 07035019

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Boring Location: Sta. 4+50, 16' right of centerline			
GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	TESTS
	BOTTOM OF BORING		
	***Classification of rock materials has been estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.		

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**SOIL BORING LOG**

ROUTE	FAP 595	DESCRIPTION	081-P002 Retaining Wall, 38th Street	LOGGED BY	W. Garza
SECTION	(142-1) & 142-1HB	LOCATION	SEC. TWP. , RING.		
COUNTY	Rock Island	DRILLING METHOD	Hollow Stem Auger	HAMMER TYPE	CME-45 Automatic
STRUCT. NO.	081-P002	Surface Water Elev.			
Station	18+89 to 27+37	Stream Bed Elev.			
BORING NO.	B-1	Groundwater Elev.:			
Station	20+50	First Encounter	None		
Offset	ft Prop CL	Upon Completion	Dry		
Ground Surface Elev.	595.75	After			
		Hrs.			

Soil Description	Depth (ft)	SPT (N)	Water Content (%)	Dry Unit Weight (pcf)	Unconfined Strength (psf)	Failure Mode			
						B	S	P	Qu
VERY STIFF gray SHALE (continued)	574.75	8	3.3	21					
STIFF brown SILTY CLAY LOAM	593.75	2							
		4	1.3	21					
	592.25	5	B						
MEDIUM light brown SILTY CLAY LOAM		2							
		3	0.7	23					
	589.75	4	B						
MEDIUM tan SILTY LOAM		3							
		2	0.8	23					
	587.25	5	P						
MEDIUM tan SILTY LOAM		1							
		1	0.8	27					
	584.75	4	B						
VERY STIFF light brown CLAY LOAM		3							
		4	2.7	26					
	582.25	7	B						
STIFF tan SANDY LOAM		3							
		4	1.8	14					
	579.75	7	P						
VERY STIFF light gray SILTY CLAY		5							
		6	3.5	17					
		9	B						
	576.75								
VERY STIFF gray SHALE		20	4						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T205) BBS, from 137 (Rev. 8-99)

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