

SOIL BORING LOG

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Date __11/25/03_

P92-029-79 IL 92 over Big Branch Creek, 0.6 m. ROUTE FA 599 DESCRIPTION W. of Loud Thunder Road LOGGED BY C. Jenkins SECTION (83MAFT&103MFT)W&RS LOCATION Montpelier Twp. -, SEC. 35, TWP. 17N, RNG. 4W COUNTY Rock Island DRILLING METHOD Hollow Stem Auger **HAMMER TYPE** C-45 В М U М STRUCT. NO. Surface Water Elev. None ft E С 0 0 L С 734+05.89 Stream Bed Elev. 617.40 **ft** Station 0 S 0 S 1 W S W **BORING NO.** Groundwater Elev.: S Qu Т S Т Qu 734+40 First Encounter 617.5 **ft** ▼ Station Offset 11.00ft Lt CL **Upon Completion** _603.5__ **ft** _ Ground Surface Elev. 632.50 ft | (ft) | (/6") | (tsf) | (%) (ft) (/6") (tsf) (%) After Hrs. VERY DENSE black SHALE 22 Gravel Concrete 0.4 20.0 31 SOFT tan SILTY LOAM with some 51 611.00 GRAVEL 630.00 MEDIUM tan/gray SILTY CLAY 33 Same as above with some GRAVEL 3 0.9 20.0 37 2 S 43 628.50 608.50 STIFF brown SILTY CLAY with 3 VERY DENSE black SHALE 36 some GRAVEL 1.1 19.0 100/12 Р PEN 4 626.00 606.00 STIFF brown/gray SILTY CLAY VERY DENSE black SHALE 100/11 3 1.6 22.0 PEN В 5 623.50 603.50▽ 100/9' MEDIUM gray SILT VERY DENSE gray/black SHALE 0.9 23.0 PEN End of Boring 6 S 621.00 MEDIUM black SILTY LOAM with **ORGANICS** 0.8 24.0 3 S 618.00 MEDIUM tan/gray dirty SAND & GRAVEL with LIMESTONE fragments 6 DENSE gray/black SHALE 18 20 27 613.50

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 T206) BBS, from 137 (Rev. 8-99)



FA 599

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COUNTY Rock Island DRILLING			THOD		Но	low Stem Auger HAMMER	_ HAMMER TYPE		C-45		
STRUCT. NO. 081-0072 Station 734+05.89	_	D E P	B L O	U C S	M O I	Surface Water Elev. 618.20 Stream Bed Elev. 617.40		D E P	B L O	U C S	M O I
BORING NO. B-2 Station 733+71 Offset 13.00ft Rt CL		T H	W S	Qu (4-5)	S T	Groundwater Elev.: First Encounter Upon Completion Dry	_ ft	H	W S	Qu (4-5)	S T
Ground Surface Elev. 632.20	ft	(11)	(/6")	(tsf)	(%)	After Hrs. VERY DENSE gray/black SHALE	_ ft	(ft)	(/6")	(tsf)	(%)
Asphalt Concrete MEDIUM black SILTY LOAM		_		0.6	24.0	VERY DENSE gray/black SHALE		_	32		
			1	P	- 1.0		610.70		68		
		_	1				010.70	_			
MEDIUM gray/black SILTY LOAM with GRAVEL	629.70										
			4			VERY DENSE gray/black SHALE			29		
		_	2	0.9	24.0			_	39		
	628.20		3	S			608.20		45		
		_	-					-25			
Same as above 625.		-5	2			VERY DENSE gray/black SHALE		25	35		
		_	2	0.6	22.0			_	40		
	625.70		4	Р			605.70		46		
STIFF black/gray SILTY LOAM with some GRAVEL		_	,			Same as above		_			
			2	1.2	20.0	Same as above			52 48		
	623.20	_	4	S	20.0		603.20	_	100/9"		
	023.20		<u> </u>				603.20		PEN		
		-10						-30			
STIFF black/gray SILTY CLAY with a COAL lens and a SAND lens			3			Same as above	004.45		70		
	_		3	1.1	23.0	End of Boring	601.45	-	30		
	620.70	_	5	S				_	100/8		
			-						PEN		
MEDIUM gray SANDY LOAM		_	2					_			
			2	0.5	24.0						
			3	Р							
	617.70										
LOOSE tan/brown SAND & GRAVEL		▼ -15						-35			
		_	6					_			
			3 5								
	645.00	_)					_			
	615.20		1								
DENSE gray/black SHALE		_	11					_			
			40						1		

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 T206) BBS, from 137 (Rev. 8-99)

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	DESIGNED	REVISED -
	CHECKED	REVISED -
	DRAWN - MWS	REVISED -
PLOT DATE = 6/19/2013	CHECKED - BJM	REVISED -

SOIL BORING LOGS		SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
STRUCTURE NO. 081-0196	599	103MFT-BR	ROCK ISLAND	88	51
3111001011L 140. 001-0130			CONTRAC	NO.	64D18
SHEET NO. 20 OF 20 SHEETS		ILLINOIS FED. A	D PROJECT		