

## **SOIL BORING LOG**

Page  $\underline{1}$  of  $\underline{2}$ 

Date 9/24/09 FAU 64 (IL 29) DESCRIPTION LOGGED BY MAG ROUTE IL 29 Over Boyd's Hollow SECTION (10B) BR LOCATION Medina Road District, SEC. 34, TWP. 10N, RNG. 8E, 4th PM, Latitude N40° 48 31.0, Longitude W89° 34 14.0 HAMMER TYPE COUNTY DRILLING METHOD Peoria 072-0072 existing 
 STRUCT. NO.
 072-0226 proposed

 Station
 99+96
 D В В Surface Water Elev. Dry ft L С 0 0 464.50 ft Station Stream Bed Elev. 0 S 0 S W W s BORING NO. B-2 E side of S Abut Groundwater Elev.: S Qu Т S Qu Т Station 100+27 First Encounter 459.5 **ft** ▼ Offset 35.00ft LT Upon Completion N/A ft Ground Surface Elev. <u>475.50</u> ft | (ft) | (/6") | (tsf) | (%) (ft) (/6") (tsf) (%) N/A ft After \_\_\_ Hrs. Medium Stiff to Very Soft Brown and Gray, Moist SILTY LOAM, trace gravel Asphalt Pavement 474.83 8 inches thick 1 WH 474.00 (continued)
Color transition to Brown and Gray SANDY LOAM (fill), trace gravel 2 0.5 34 473.50 3 Р starting at 21' SANDY LOAM (fill), trace gravel) SANDY LOAM (fill), trace gravel WH 4 1.0 27 WH 0.2 26 \_\_\_ WH B 4 S Stiff to Very Soft 3-inch Fine to Medium SAND lens WH Brown, Dry 1.0 20 at 26' WH 0.5 23 LOAM, trace gravel WH | P 2-inch SAND lens at 6.5' Sample moist at 8.5' 0.2 22 0.2 3 9 Very Soft Gray, Moist S В SILTY LOAM, trace gravel Drill Method switched to Mud 464.50 Rotary at 30.0' Medium Stiff Brown and Gray, Moist 0.5 26 CLAY, trace gravel 2 Р 3-inch fine to medium SAND lens at 12' Brown, Moist SILTY LOAM, trace gravel WH WH WH 0.2 22 Medium Stiff to Very Soft WH 0.8 19 A Brown and Gray, Moist SILTY LOAM, trace gravel \_\_\_\_ WH H P 27 B В WH WH 0.4 14 | WH | В Shells encounterd at 17.5' WH Medium Dense Gray, Fine to Coarse, Moist SAND, little gravel, trace organics Color transition to Gray starting at WH 0.6 41 <sub>20</sub> WH 9

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, form 137 (Rev. 8-99)



## **SOIL BORING LOG**

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Date 9/24/09

	GSG Consultants, Inc.										Date	912	.4/09	
ROUTE	FAU 64 (IL 29)	DESCRIPTION				IL 29 Over Boyd's Hollow			LOGGED BY			AG		
SECTION	(10B) BR	LOCATION			ION _	Medina Road District, SEC. 34, TWP. 10N, RI Latitude N40° 48 31.0, Longitude W89° 34				RNG. 8E, 4 <sup>th</sup> PM,				
COUNTY	Peoria DRII	LING METHOD				Latitu	de N40º 48 31.0, <b>Lon</b> g HSA							
STRUCT. NO. Station	072-0072 existing 072-0226 proposed 99+96	_ _	D E P	B L O	U C S	M O I	Surface Water Elev. Stream Bed Elev.	Dry 464.50		D E P	B L O	U C S	М О І	
Station	B-2 E side of S Abut 100+27 35.00ft LT	_ _	H	W S	Qu	S T	Groundwater Elev.: First Encounter Upon Completion	459.5 N/A		T H	W S	Qu	S	
Ground Surfa	ace Elev. 475.50	ft	(ft)	(/6'')	(tsf)	(%)	After Hrs.	N/A	ft	(ft)	(/6'')	(tsf)	(%)	
Medium Dens Gray, Fine to ( SAND, little gr <i>(continued)</i>							Hard Blue and Gray, Dry SILTY LOAM, trace g (continued)							
			_	10						_	100/2"			
Medium Stiff to		31.50		4	0.8	6 A					100/2		21	
Gray, Moist			-45	3	P	24 B				-65				
SILTY LOAM, organics	trace gravel,													
2-inch Fine to	Medium SAND lens													
at 44.5'			_							_				
			_	-						_				
				6					406.50		100/3"			
			_	6 7	1.0 P	24	End of Boring			_			23	
2-inch Grav F	ine, SAND lens at 50'		-50		Г					-70				
,, .	,		_							_				
	4	24.00												
Dense Grav, Coarse,	\/\et													
SAND, trace g			_							_				
										_				
			_	20						_				
				20		8				_				
			<u>-55</u>	24						- <u>75</u>				
			_							_				
										-75 -75				
Hard — — —	4	<u>17.00</u>	. —	  100/5						_				
Blue and Gray				- 55/6		10								
SILTY LOAM,	trace gravel			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, form 137 (Rev. 8-99)

THE UPCHURCH GROUP, INC.	F				
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SOIL BORING LOGS		SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
STRUCTURE NO. 072-0226	64	(10B) BR	PEORIA	77	49
5111001011L NO. 072-0220			CONTRAC	Γ NO.	68481
SHEET NO. 21 OF 27 SHEETS		ILLINOIS FE	D. AID PROJECT		