						PAGE <u>1</u>	of	1		
Geo Services Inc.	SOIL BORING LOG					DATE January 31, 2011				
Geo Services, Inc. Geotechnical, Environmental & Chil Engineering 805 Amherit Court Solte 204 Nopering, Illegia 60565						LOGGED BY DR				
Noperville, Illinois 60565 (630) 355+2838						GSI JOB No.	10216			
ROUTE F.A.P. RTE. 870 DE	CCCDID:	DON	II P	oute						
					-					
SECTION 534-B LO										
COUNTY <u>DuPage</u> DR	RILLING	MET	HOD _	Holle			E Autom	atic	_	
STRUCT, NO	D	В	U	М	Surface Water Elev, <u>n/a</u> Stream Bed Elev, <u>n/a</u>		DВ		М	
BORING NO. B-01	E P	L	c	0 –			E L P O		0	
Station 100+12	T	w	Qu	S	Groundwater Elevation:	•	T W		S	
Offset 22.5' Left		_			Upon Completion <u>n/a</u>	$\nabla$	''   -			
Ground Surface Elev. 668.9	(ft)	(/6*)	(tsf)	(%)	After Hrs		(ft) (/6	") (tsf)	(%)	
13.0" ASPHALT	_						$\dashv$			
667	.8	12					19			
TODGOU NICH		4			SAND, GRAVEL & FRACTURED	ROCK-	16			
TOPSOIL-black		4	_	38	gray-dense to very dense (A		18	NP	13	
665	.9						_			
		3		89			50/	5" NP	12	
Organic SILTY CLAY-dark brown & black-stiff (A-7) Wet	_	8				644.4				
black-still (A-7) wet	5	5	1.6B	30	Drillers Observation: Possible	Bedrock 643.4	-25			
662	.9				RUN 1 (-25,5' to -35,5')					
LOAM-brown & gray-	_	3			Silurian System, Niagaran Ser Light gray with horizontal be	ies Dolomite	e			
loose (A-2/A-4)	-	6	_	17	grained with some chert nod	ules.	-			
660	.9				Horizontal fractures © -25.9 -26.5', -26.8', -27.1', -27.1					
	_	_			-28.2', -28.8' & -29.5'. Vertical	rtical	_			
		10			fracture from −30.3' to −31. Horizontal fractures © −31.3'		$\dashv$			
	-10	10	NP	14			-30	5		
	_				Recovery=100.0%		_	RUN 1		
SAND & GRAVEL-brown-		7			R.Q.D.=73.5% 50% Water Loss	D.=73.5%				
medium dense to dense (A-1)		12								
	_	11	NP	17			$\dashv$			
		19					_			
	15	21 22	NP	10			-35			
653			HE			633.4				
					End Of Boring @ -35,5'	.,	$\perp$			
	_	38 26			Hollow Stem Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer 10.0' of 4.0"\( \text{0} \) Casing Used	D.	-	+-		
SAND, GRAVEL & FRACTURED ROCK-		19	NP	9						
gray-dense to very dense (A-1)					10.0 Of 4.0 w cosing Osed					
	_	24					$\dashv$			
		16								

The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by (B-Builge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

					PAGE 1		of <u>1</u>		
Geo Services, Inc.	S	Oll	L E	3OF	RING LOG DATE <u>Janu</u>	DATE January 28, 2011			
Geo Services, Inc. Geotechnical, Environmental & Givil Engineering 805 Arnherist-Court, Salte 204 Nopervite, Jilingta 80565					LOGGED BY	DR			
(630) 355+2838					GSI JOB No	. 10	216		
ROUTE F.A.P. RTE. 870 DE	ESCRIP'	поп	IL, R	oute	53 Bridge Over St. Joseph's Creek, Lisle,	Illinoi	8		
SECTION 534-B LC	CATIO	N SE	EC, 3,	т, :	38 N., R. 10 E., 3rd P.M., Lisle Township				
COUNTY <u>DuPage</u> Dr	RILLING	MET	HOD	Holle	ow Stem Auger/Rotary HAMMER TYPE <u>CM</u>	E Aut	omati	ic	
STRUCT, NO	_	_			Surface Water Elev. <u>n/a</u>				
Station	D E	B	Ċ	M O	Stream Bed Elev. <u>n/a</u>	D E	B L	C U	O.
BORING NO. <u><b>B-02</b></u> Station <u>99+88</u>	P T	o w	S	S	Groundwater Elevation:	P T	O W	S	S
Offset 22.0' Right	Н	S	Qu	Т	First Encounter $n/a$ $\nabla$ Upon Completion $n/a$ $\nabla$	Н	S	Qu	Т
Ground Surface Elev. 669.0	(ft)	(/6°)	(tsf)	(%)	After XX Hrs.	(ft)	(/6") (	(tsf)	(%)
12.0" ASPHALT,	_					_			
3.0" CRUSHED STONE 667	.8	18				$\dashv$	50/4*		
T00000 11 1		8			SAND, GRAVEL & FRACTURED ROCK- gray-dense to very dense (A-1)	$\Box$			
TOPSOIL-black	–	3	_	1	gray delice to very delice (x 1)	$\dashv$		NP	8
500	_								
Out of CHTV CLAY dad become		2		88	645.		23		
Organic SILTY CLAY-dark brown & black-stiff (A-7) Wet	 -5	3	1.1B	30	FRACTURED ROCK-gray-	-25	50/2*	NP	12
					very dense (A-1)				
663	.0	6			Drillers Observation:	$\dashv$	50/2"		
CLAYEY SAND & GRAVEL-brown-		5			Possible Weathered Bedrock 642.			NP	14
medium dense (A-2)		5	_	12	KON I (-27,0 to -57,0)	-			
661	.0				Silurian System, Niagaran Series Dolomit Light gray with horizontal bedding. Fine	е			
		19			grained with some chert nodules. Weathered horizontal fractures @				
	-10	16	NP	3	-27.5'. Horizontal fractures <b>©</b> -28.1', -28.2', -28.5' & -28.8'. Vertical -30				
					fracture from -28.8' to -29.4'.				
SAND & GRAVEL-brown & gray-	-	10			Horizontal fractures @ -29,9', -30,7' & -31.2'. Weathered horizontal fracture				
medium dense (A-1)	_	6			© -31.8'. Horizontal fracture © -33.6'.				
		8	NP	10					
					Recovery=97.0%				
		3			R,Q,D,=70.0%	$\Box$			
	-15	8	NP	11	100.0% Water Loss @ −27.5"	-35			
653			PEF	Γ.,					
						-			
	_	27			632.	, ⊢			
SAND, GRAVEL & FRACTURED ROCK-		27	NP	19	End Of Boring @ -37,0'				
gray-dense to very dense (A-1)					Hollow Stem Augers To -10.0' Rotary Drilling To Completion				
		10			CME Automatic Hammer 10.0' of 4,0"ø Casing Used				
		18			10.0 OF 4.0 W Casing Usea				

The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO 1206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

:::Primeral						
<b>:::</b> Pilliela	Ρ					
100 S.WACKER DRIVE SUITE 700 . CHICAGO IL 60606 . P:312-606-0910 P:313-606-0415	Р					

	USER NAME =	DESIGNED - JPM	REVISED -
ì		CHECKED - JXH	REVISED -
ı	PLOT SCALE =	DRAWN - MPS	REVISED -
15	PLOT DATE =	CHECKED - JPM/JXH/TPG	REVISED -