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DATE 11/8/2010
LOGGED BY RJ
GSI JOB No. 10181

SOIL BORING LOG

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-7838

ROUTE F.A. 122 (IL 394) DESCRIPTION Wing Wall Repair - Illinois 394 South Of Barnes Road
SECTION 2010-67-T LOCATION SEC. 27, T34 N., R 14 E., CRETE TOWNSHIP, 3rd P.M.
COUNTY Will DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 099-0517
Station XX

BORING NO. B-01
Northing 670+12
Easting 50.0' Left
Ground Surface Elev. 698.6

DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	Surface Water Elev. <u>n/a</u>				Stream Bed Elev. <u>n/a</u>				Groundwater Elevation:			
				DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)
10.0"				ASPHALT											
5		100		SILTY LOAM to SILT-dark gray- very loose to loose (A-4)											
4															
4	2.2B	23													
695.1															
2				Clayey SAND & GRAVEL- brown-loose (A-2)											
3															
5			17												
692.6															
2		98		SAND with Gravel-gray- medium dense (A-1-b)											
2															
3	1.25B	24													
690.1															
3		95													
3															
5	1.4B	27		SILTY CLAY-dark gray- stiff (A-6/A-7) Wet											
698.6															
2															
3															
5	1.0P	32													
685.6															
6		115		CLAY-gray-hard (A-6)											
9															
13	7.4B	16													
682.6															
4															
7															
8		NP	14	SILTY LOAM to SILT-dark gray- very loose to loose (A-4)											
4															
10															
20		NP	16												

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 T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

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COUNTY Will DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 099-0517
Station XX

BORING NO. B-02
Northing 669+69
Easting 65.5' Right
Ground Surface Elev. 698.3

DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	Surface Water Elev. <u>n/a</u>				Stream Bed Elev. <u>n/a</u>				Groundwater Elevation:			
				DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)	DEPTH H (ft)	BLOW S (/6")	UCS Qu (tsf)	MOIST T (%)				
3.0"				TOPSOIL-black											
2		105		SILTY CLAY LOAM-gray- very loose to loose (A-4)											
2															
3	1.4B	21													
675.3															
2		98		SILTY CLAY-brown & gray- medium stiff to stiff (A-6) Fill											
2															
5	1.3B	27		Silty SAND & GRAVEL- gray-medium dense (A-2)											
672.3															
1		104													
2															
2	0.9B	23		SILTY CLAY-gray-very stiff (A-6)											
690.3															
2		94													
3															
4	1.2B	30		SILTY CLAY-brown- stiff (A-6/A-7) Wet											
688.3															
3		81													
3															
5	1.3B	37													
685.3															
1		103		SILTY CLAY-dark gray- medium stiff (A-6/A-4)											
1															
1	0.7B	23													
682.3															
1															
3															
3	0.5P	23		SILTY CLAY LOAM-gray- very loose to loose (A-4)											
3															
5	0.5P	19													

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 T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery