Geo Services Inc.
Geotechnical, Environmental & Civil Engineering
805 Aurora Court, Suite 100
Naperville, Illinois 60563
(630) 305-0585

SOIL BORING LOG

PAGE 1 of 2
DATE 4/2/2010
LOGGED BY RJ
GSI JOB No. 09118

ROUTE FAP 345 (U.S. Route 20) DESCRIPTION US 20 over McLean Boulevard, Elgin, Illinois Contract No. 60H45
SECTION 8R-R LOCATION SEC. 22, TWP. 41N, RNG. 8E, 3rd PM, Elgin Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. 045-0077
Station: 98+32.18
BORING NO. SB-06
Station: 99+63 US 20
Offset: 48' Right
Ground Surface Elev. 850.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter n/a
Upon Completion n/a
After ___ Hrs. ___

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
10.0" ASPHALT	849.3				
CRUSHED ASPHALT & STONE- medium dense	847.2		12 / 12 / 10	NP	1
CLAY LOAM-dark brown & black- very stiff (A-6) Fill	844.7	-5	3 / 6 / 9	3.5P	19
CLAY LOAM with Stone-dark brown- medium dense to dense (Fill)	837.2	-10	3 / 4 / 6 / 15 / 15 / 15	–	12
CLAY LOAM-brown & gray- very stiff to hard (A-6) Fill	813.2	-15	8 / 8 / 8 / 5 / 7 / 9	4.25B	NR / 109 / 19
GRAVEL-brown- dense to very dense (A-1)		-20	5 / 11 / 13	2.7B	112 / 18 / 17
CLAY LOAM-brown & gray- very stiff to hard (A-6) Fill	826.7		6 / 12 / 14	4.2B	110 / 20
SAND & GRAVEL-brown- dense to very dense (A-1)		-25	8 / 12 / 20	NP	12
GRAVEL-brown- dense to very dense (A-1)		-30	10 / 14 / 16 / 27 / 30 / 34	NP	12 / 11
		-35	20 / 22 / 24	NP	8
		-40	34 / 34 / 34	NP	11

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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GRAVEL-brown- dense to very dense (A-1)		-45	8 / 27 / 32	NP	8
GRAVEL-brown- dense to very dense (A-1)	788.2	-50	12 / 22 / 24	NP	6
SAND & GRAVEL-brown- very dense (A-1)		-55	23 / 23 / 23	NP	5
End Of Boring @ -75.0' Hollow Stem Augers To -10.0' Rotary Drilling To Completion CME Automatic Hammer	775.2	-60	26 / 28 / 28	NP	7
		-65	15 / 30 / 30	NP	10
		-70	15 / 32 / 32	NP	11
		-75	15 / 34 / 36	NP	11
		-80			

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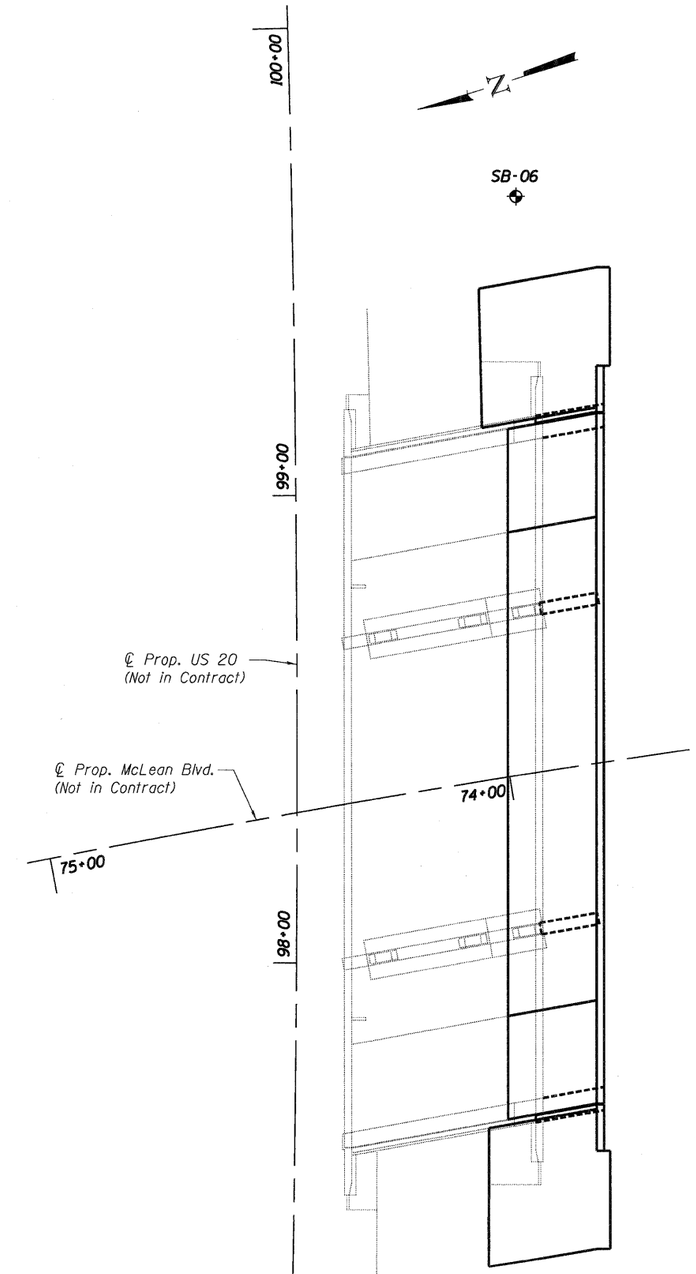

SOIL BORING LOCATION SKETCH

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED -	REVISED -
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS		DRAWN - PK	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - MDB	REVISED -
	PLOT DATE = $DATE$	DATE - 05/18/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
US 20 OVER MCLEAN BOULEVARD

SOIL BORING LOGS
2 OF 2

SCALE: | SHEET NO. S-29 OF S-29 | STA. 98+32.18

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	8R-HB-2-BY-1	KANE	434	270
	SN 045-0003	CONTRACT NO. 60K90		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

=\R4520003-60K90-001-SOIL BORING.DGN, =\R4520003-60K90-001-SOIL BORING.DGN, =\ALL SNUM 60K90 001 BORDER.DGN
5-13-2011, 15:26:31 HARWARKZ \\FS-8044\HAYWAD.LD\THINS 07\2202\21379-001\STRUCT\CAD\60K90\R4520003\SHEET\R4520003 60K90 002 SOIL BORING.SHT.DGN