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DATE 7/26/2011
LOGGED BY RJ
GSI JOB No. 11092

SOIL BORING LOG

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2638

ROUTE FAP RTE 307 DESCRIPTION II Rte 64 & II Rte 47 Intersection Improvements, Contract No. 62278
SECTION 126N-1 LOCATION Section 18, T 40 N, R 7 E, 3rd PM, Campton Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger-Rotary HAMMER TYPE CME Automatic

STRUCT. NO. --- SURFACE WATER ELEV. n/a
Station --- Stream Bed Elev. n/a
BORING NO. RW-05 GROUNDWATER ELEVATION:
Station 53+28 First Encounter 872.9
Offset 18.5' Left Upon Completion n/a
Ground Surface Elev. 877.9 After --- Hrs. ---

DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOIST (%)	DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOIST (%)
0-24	AS	-	24	0-14	---	---	---
24-33	3	---	---	14-19	9	---	---
33-39	3	---	93	19-25	9	NP	7
39-41	1	---	59	25-29	9	---	---
41-45	1	---	---	29-35	9	NP	9
45-47	1	0.3B	61	35-42	7	NP	9
47-50	0	---	73	42-47	---	---	---
50-52	0	---	---	47-50	9	---	---
52-55	1	0.25B	42	50-53	7	NP	9
55-58	5	---	---	53-57	---	---	---
58-60	8	---	---	57-60	12	---	---
60-62	-10	-	7	60-64	-30	NP	10
62-65	7	---	---	64-65	---	---	---
65-67	5	---	---	65-67	7	---	---
67-69	7	---	11	67-70	5	NP	15
69-72	10	---	---	70-72	14	---	---
72-75	10	---	---	72-75	10	---	---
75-78	-15	6	NP	75-78	-35	9	NP
78-80	---	---	---	78-80	---	---	---
80-82	12	---	---	80-82	---	---	---
82-84	9	---	---	82-84	---	---	---
84-87	7	NP	8	84-87	---	---	---
87-90	12	---	---	87-90	---	---	---
90-92	9	---	---	90-92	---	---	---
92-94	-20	6	NP	92-94	-40	---	---

TOPSOIL with Stone-black
876.4

GRAVEL & STONE-loose (Fill)
875.2

SAND & GRAVEL-brown & gray-medium dense (A-1)
852.7

SANDY LOAM-brown & gray-medium dense (A-2)
846.2

GRAVEL-brown & gray-medium dense (A-1-a)
843.2

SAND & GRAVEL-brown & gray-medium dense (A-1)
859.9

Clayey SAND & GRAVEL-brown & gray-medium dense (A-2)
864.9

GRAVEL with SAND-brown & gray-medium dense (A-1-a)
842.9

SAND & GRAVEL-brown & gray-medium dense (A-1)
859.9

PEAT-black (A-8)
877.9

End Of Boring @ -35.0'
Hollow Stem Augers to -10.0'
Rotary Drilling To Completion
CME Automatic Hammer
10.0' Of 4.0"Ø Casing Used

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 Kane DRILLING METHOD Hollow Stem Auger-Rotary HAMMER TYPE CME Automatic

STRUCT. NO. --- SURFACE WATER ELEV. n/a
Station --- Stream Bed Elev. n/a
BORING NO. RW-06 GROUNDWATER ELEVATION:
Station 53+94 First Encounter 872.2
Offset 18.0' Left Upon Completion n/a
Ground Surface Elev. 878.2 After --- Hrs. ---

DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOIST (%)	DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOIST (%)
0-6	---	---	---	0-6	---	---	---
6-9	2	---	---	6-9	6	---	---
9-12	3	NP	4	9-12	6	---	---
12-15	---	---	---	12-15	6	---	NR
15-17	1	---	---	15-17	7	---	---
17-19	1	---	---	17-19	5	---	---
19-22	-5	1	0.5P	19-22	-25	6	NP
22-25	---	---	---	22-25	6	---	15
25-27	5	---	---	25-27	5	---	---
27-30	5	NP	15	27-30	7	---	---
30-33	5	---	---	30-33	4	NP	20
33-35	4	---	---	33-35	3	---	---
35-38	6	---	---	35-38	3	---	---
38-41	-10	6	NP	38-41	-30	4	NP
41-44	9	---	---	41-44	---	---	---
44-47	7	---	---	44-47	---	---	---
47-50	5	NP	15	47-50	---	---	---
50-53	---	---	---	50-53	---	---	---
53-56	7	---	---	53-56	3	---	---
56-59	7	---	---	56-59	4	---	---
59-62	10	---	---	59-62	3	---	---
62-65	10	---	---	62-65	4	---	---
65-68	-15	6	NP	65-68	-30	4	NP
68-71	---	---	---	68-71	---	---	---
71-74	7	---	---	71-74	---	---	---
74-77	7	---	---	74-77	---	---	---
77-80	5	NP	15	77-80	---	---	---
80-83	---	---	---	80-83	---	---	---
83-86	7	---	---	83-86	3	---	---
86-89	7	---	---	86-89	4	---	---
89-92	-15	4	NP	89-92	-35	5	1.0P
92-95	---	---	---	92-95	---	---	---
95-98	5	---	---	95-98	---	---	---
98-101	5	---	---	98-101	---	---	---
101-104	5	NP	18	101-104	---	---	---
104-107	---	---	---	104-107	---	---	---
107-110	5	---	---	107-110	---	---	---
110-113	5	---	---	110-113	---	---	---
113-116	-20	6	NP	113-116	-40	---	---

GRAVEL & STONE-loose (Fill)
875.2

SAND & GRAVEL-brown & gray-medium dense (A-1)
852.7

SANDY LOAM-brown & gray-medium dense (A-2)
846.2

GRAVEL-brown & gray-medium dense (A-1-a)
843.2

SAND & GRAVEL-brown & gray-medium dense (A-1)
862.7

CLAY-gray-stiff (A-6)
846.2

GRAVEL-brown & gray-medium dense (A-1-a)
843.2

SAND & GRAVEL-brown & gray-medium dense (A-1)
862.7

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Hollow Stem Augers to -10.0'
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