

STRUCTURE FOUNDATION BORING LOG

Page: 1 of 1

O'Brien & Associates, Inc.
CONSULTING ENGINEERS
1235 E. DAVIS ST./ARLINGTON HTS., IL 60005
(847)398-1441 • FAX(847) 398-2376

Project: Walkup Road Phase II Roadway Improvements OBA Job No.: 06600
 Job No: 10-91-374-00 Date: Dec. 7, 2006
 County: McHenry Bored By: RJ
 Client: Teng & Associates, Inc. Checked By: DOB

BORING No.: ST-23 Surface Water Elev.: n/a
 Station: 92+75 Groundwater Elevation: Dry WD
 Offset: 17' Right Groundwater Elevation: Dry AB
 Ground Surface Elevation: 933.6 (ft) / (6") (tsf) (%) After Hours: (ft) / (6") (tsf) (%)

DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)	DEPT (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)
0-8	8			0-8	8		
8-14	14			8-14	14		
14-16	6	NP	4	14-16	6	NP	3
16-18	3			16-18	8		
18-24	4			18-24	10		
24-30	5	1.0P	12	24-30	14	NP	6
30-32	1			30-32	8		
32-33	2			32-33	12		
33-35	3	1.5P	13	33-35	9	NP	5
35-37	2			35-37	4		
37-38	3			37-38	9		
38-40	5	1.0P	12	38-40	6	NP	12
40-41	1			40-41	3		
41-43	1			41-43	3	116	
43-44	3	0.5P	24	43-44	4	2.7B	17
44-45	2			44-45	3		
45-46	3			45-46	4	86	
46-47	15	1.25P	17	46-47	4		
47-48	1			47-48	15	1.8B	32
48-49	1			48-49	2		
49-50	1			49-50	4	102	
50-51	1	0.5P	18	50-51	7	3.5B	24
51-52	1			51-52	2		
52-53	1			52-53	2	89	
53-54	1			53-54	2		
54-55	20	0.75P	19	54-55	4	1.5B	31
55-56	2			55-56	3		
56-57	3			56-57	7		
57-58	3	1.0P	12	57-58	4	3.75P	13
58-59	2			58-59	7		
59-60	2			59-60	6		
60-61	4	NP	17	60-61	25	4.0P	9

12.0" ASPHALT
24.0" SAND & GRAVEL-medium dense

SANDY LOAM-brown-loose (A-4)
Apparent Fill

CLAY LOAM-black-medium stiff (A-6)

CLAY LOAM-brown-medium stiff to stiff (A-6)

SANDY LOAM-brown-loose (A-4)

End of Boring @ -25.0'
Hollow Stem Augers
CME Automatic Hammer

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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Project: Walkup Road Phase II Roadway Improvements OBA Job No.: 06600
 Job No: 10-91-374-00 Date: Dec. 7, 2006
 County: McHenry Bored By: RH
 Client: Teng & Associates, Inc. Checked By: DOB

BORING No.: ST-24 Surface Water Elev.: n/a
 Station: 93+50 Groundwater Elevation: Dry WD
 Offset: 18' Right Groundwater Elevation: Dry AB
 Ground Surface Elevation: 934.3 (ft) / (6") (tsf) (%) After Hours: (ft) / (6") (tsf) (%)

DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)	DEPT (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)
0-8	8			0-8	8		
8-14	14			8-14	14		
14-16	6	NP	3	14-16	6	NP	3
16-18	8			16-18	8		
18-24	10			18-24	10		
24-30	5			24-30	14	NP	6
30-32	8			30-32	8		
32-33	12			32-33	12		
33-35	9	NP	5	33-35	9	NP	5
35-37	4			35-37	4		
37-38	9			37-38	9		
38-40	6	NP	12	38-40	6	NP	12
40-41	3			40-41	3		
41-43	3			41-43	3	116	
43-44	4			43-44	4	2.7B	17
44-45	3			44-45	3		
45-46	4			45-46	4	86	
46-47	15	1.8B	32	46-47	4		
47-48	2			47-48	2		
48-49	4			48-49	4	102	
49-50	7	3.5B	24	49-50	7	3.5B	24
50-51	2			50-51	2		
51-52	2			51-52	2	89	
52-53	4	1.5B	31	52-53	4	1.5B	31
53-54	3			53-54	3		
54-55	7			54-55	7		
55-56	4	3.75P	13	55-56	4	3.75P	13
56-57	7			56-57	7		
57-58	6			57-58	6		
58-59	25	4.0P	9	58-59	25	4.0P	9

12.0" ASPHALT

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

SANDY LOAM-brown-medium dense (A-4)

CLAY-brown & gray-stiff to very stiff (A-6)

SANDY LOAM to LOAM-brown & gray-medium dense (A-4)

End of Boring @ -25.0'
Hollow Stem Augers
CME Automatic Hammer

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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Project: Walkup Road Phase II Roadway Improvements OBA Job No.: 06600
 Job No: 10-91-374-00 Date: Dec. 7, 2006
 County: McHenry Bored By: RH
 Client: Teng & Associates, Inc. Checked By: DOB

BORING No.: ST-25 Surface Water Elev.: n/a
 Station: 94+25 Groundwater Elevation: Dry WD
 Offset: 18' Right Groundwater Elevation: Dry AB
 Ground Surface Elevation: 935.0 (ft) / (6") (tsf) (%) After Hours: (ft) / (6") (tsf) (%)

DEPTH (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)	DEPT (ft)	BLOW COUNT (blows/6")	UCS (tsf)	MOISTURE (%)
0-8	8			0-8	8		
8-10	10			8-10	10		
10-12	12			10-12	12		
12-14	6	NP	4	12-14	6	NP	4
14-16	14			14-16	14		
16-18	24			16-18	24		
18-20	5			18-20	5		
20-22	20	NP	6	20-22	20	NP	6
22-24	7			22-24	7		
24-25	5			24-25	5		
25-26	5	NP	10	25-26	5	NP	10
26-27	3			26-27	3		
27-28	3			27-28	3		
28-30	10	1.5P	8	28-30	10	1.5P	8
30-32	2			30-32	2		
32-33	2			32-33	2	2.0P	16
33-34	4			33-34	4		
34-35	4			34-35	4		
35-36	15	4	NP	35-36	15	4	NP
36-37	3			36-37	3		
37-38	7			37-38	7		
38-40	7	1.75P	9	38-40	7	1.75P	9
40-41	4			40-41	4		
41-42	7			41-42	7		
42-43	7	1.75P	9	42-43	7	1.75P	9
43-44	4			43-44	4		
44-45	7			44-45	7		
45-46	20	8	1.75P	45-46	20	8	1.75P
46-47	7			46-47	7		
47-48	8			47-48	8		
48-49	7	NP	5	48-49	7	NP	5
49-50	7			49-50	7		
50-51	7			50-51	7		
51-52	25	10	NP	51-52	25	10	NP

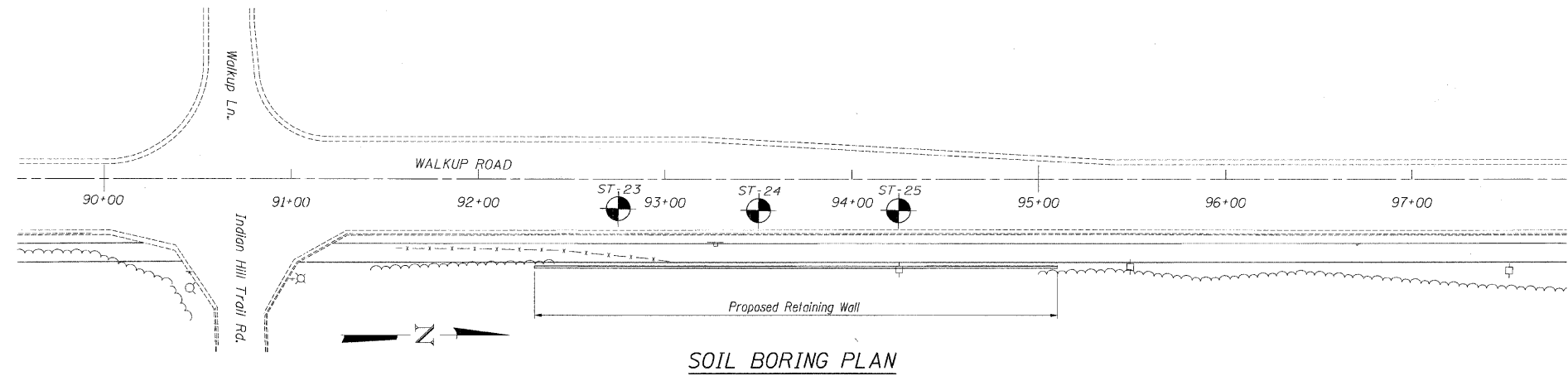
12.0" ASPHALT

SAND & GRAVEL-brown-medium dense to dense (A-1)

SANDY LOAM-brown-loose to medium dense (A-4)

End of Boring @ -25.0'
Hollow Stem Augers
CME Automatic Hammer

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



SHT. SB-7

REVISIONS	
NAME	DATE

MCHENRY COUNTY DIVISION OF TRANSPORTATION
 WALKUP ROAD F.A.U. 0085
 SECTION 00-00246-01-FP
 STATION 92+30.00 TO 95+10.00
 RETAINING WALL

SOIL BORING LOGS

SCALE: _____ DRAWN BY: MOB
 DATE: 08/17/09 CHECKED BY: _____

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 205 N. MICHIGAN AVE., CHICAGO, IL 60601
 TELEPHONE: 312/616-0000

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