

Testing Service Corporation

Page 1 of 1

STRUCTURE BORING LOG

Date Started 10/11/12
Date Completed 10/11/12

ROUTE TR21 DESCRIPTION Retaining Walls
SECT. 08-000356-00-BR STRUCT. NO. 056-3192 DRILLED BY TSC L-79,206
COUNTY McHenry LOCATION Hill Road Bridge S. 16E 1/4, TWP. 48N, RNG. 8E

Boring No.	Station	Offset	Surface Elev.	DEPTH	BL	LO	WS	Qu	W	Surface Water Elev.	DEPTH	BL	LO	WS	Qu	W
106	110+43	32.00ft LT	781.80 ft													
FILL - Black CLAY (Topsoil), very moist A-7-6					2	P	<0.25	48.4		(See Bottom Column 1)		7	6	9	16.3	
Medium dense gray SAND and GRAVEL, saturated A-1-a					6			6.3				5	7	10	18.1	
End of Boring at 30.0'					11			9.8								
Diedrich Automatic Hammer used for SPT					7			9.7								
3.25" (83 mm) ID HSA					10											
Stiff gray SILTY CLAY LOAM, occasional silt seams, very moist A-4/A-6					6	P	1.5	20.5								
Medium dense gray SAND and GRAVEL, saturated A-1-a					7			14.2								
Medium dense gray SAND, trace gravel, saturated A-1-b					6			11.5								
					5			10.2								
					6			11.5								

SPT: (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

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106	110+43	32.00ft LT	781.80 ft													
FILL - Black CLAY (Topsoil), very moist A-7-6					2	P	<0.25	48.4		(See Bottom Column 1)		7	6	9	16.3	
Medium dense gray fine to medium SAND, trace gravel, saturated A-3					6			6.3				5	7	10	18.1	
Loose to medium dense gray SAND and GRAVEL, saturated A-1-a					6			6.3				5	7	10	18.1	
End of Boring at 30.0'					11			9.8								
Diedrich Automatic Hammer used for SPT					7			9.7								
3.25" (83 mm) ID HSA					10											
Stiff gray SILTY CLAY LOAM, occasional silt seams, very moist A-4/A-6					6	P	1.5	20.5								
Medium dense gray SAND and GRAVEL, saturated A-1-a					7			14.2								
Medium dense gray SAND, trace gravel, saturated A-1-b					6			11.5								
					5			10.2								
					6			11.5								

SPT: (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

FILE NAME: S:\JULY6800-6899\08-000356-00-BR\Structure\08-000356-00-BR.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME: vaneesan
DESIGNED: RRD
CHECKED: AJS
DRAWN: BJB
CHECKED: RRD

REVISIONS:
10-26-2012 RRD
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MCHENRY COUNTY DIVISION OF TRANSPORTATION
HILL ROAD BRIDGE OVER
NORTH BRANCH NIPPERSINK CREEK

SOIL BORING LOG (5 OF 6)
STRUCTURE NO. 056-3192
SHEET NO. 25 OF 27 SHEETS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	08-00356-00-BR	MCHENRY	77	55

CONTRACT NO. 63666
ILLINOIS FED. AID PROJECT