

Wang Engineering
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BORING LOG 3RW7-B-04
 WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45, Segment 3**
 Location: **Ret. Wall 016-Z006, Cook Co., IL**

Datum: NGVD
 Elevation: 674.00 ft
 North: 1811474.18 ft
 East: 1115210.84 ft
 Station: 306+73.09
 Offset: 95.50 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
673.0	12-inch thick, brown SILTY CLAY --TOPSOIL-- Hard, brown and gray SILTY CLAY, trace gravel	0	1	4 4 4	4.50 P	17	673.0		0	11	4 5 8	2.35 B	14
		5	2	5 7 11	4.51 S	20			5	12	5 8 8	2.46 B	12
		10	3	6 8 10	5.66 S	15			10	13	4 5 6	2.30 B	14
666.0	Medium stiff to very stiff gray SILTY CLAY LOAM, trace gravel	10	4	3 3 4	2.54 B	18			15	14	5 5 5	2.79 B	12
		15	5	1 3 3	0.66 B	16			20	15	2 2 2	1.23 B	13
	Possible cobble at 13.5'. Rock fragments in nose of spoon	15	6	3 1 24	NP	10			25	16	3 3 3	2.38 B	12
		20	7	1 3 3	1.31 B	19			30	17	2 2 2	1.15 B	19
		25	8	1 3 4	1.64 B	22			35	18	2 2 2	1.23 B	14
		30	9	2 2 2	1.23 B	13			40	19	3 4 7	1.15 B	19
		35	10	3 3 3	2.38 B	12			45	20	2 2 2	1.23 B	14
		40					634.0	Boring terminated at 40.00 ft	50				

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-17-2011	Complete Drilling	10-17-2011	While Drilling	13.50 ft		
Drilling Contractor	Groff/WTS	Drill Rig	CME LL-60 ATV	At Completion of Drilling	28.00 ft		
Driller	K&K	Logger	B. Wilson	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	NA				
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion						

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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BORING LOG 3RW7-B-05
 WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45, Segment 3**
 Location: **Ret. Wall 016-Z006, Cook Co., IL**

Datum: NGVD
 Elevation: 677.50 ft
 North: 1811542.75 ft
 East: 1115219.42 ft
 Station: 307+41.55
 Offset: 86.10 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
676.5	Brown SILTY CLAY --TOPSOIL-- Very stiff to hard, brown and gray SILTY CLAY to SILTY CLAY LOAM, trace to little gravel	0	1	4 3 5	1.75 P	15	652.0	Loose, gray GRAVEL	0	12	2 3 5	NP	13
		5	2	5 8 9	5.33 B	16	650.5	Stiff to very stiff, gray SILTY CLAY LOAM, trace gravel	5	13	7 8 10	2.87 B	13
		10	3	5 8 10	3.69 S	20			10	14	6 8 8	1.56 B	13
		15	4	3 3 7	3.20 S	22			15	15	5 6 8	2.21 B	12
		20	5	3 3 3	3.61 B	16			20	16	3 5 8	1.23 B	14
		25	6	3 3 3	2.50 P	17			25	17	6 8 9	3.36 B	10
		30	7	2 2 2	2.03 S	16			30				
		35	8	2 2 2	1.72 B	17			35				
660.3	Brown medium to coarse SAND Stiff to very stiff, gray SILTY CLAY LOAM, trace gravel	35	9	2 2 2	2.13 B	14			40				
659.0		40	10	2 2 2	2.50 P	16			45				
		45	11	3 4 7	1.15 B	19			50				
		50					627.5	Boring terminated at 50.00 ft	50				

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-17-2011	Complete Drilling	10-17-2011	While Drilling	17.25 ft		
Drilling Contractor	Groff/WTS	Drill Rig	CME LL-60 ATV	At Completion of Drilling	8.00 ft		
Driller	K&K	Logger	B. Wilson	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	NA				
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion						

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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URS

FILE NAME = 0162006-60M62-011-bar.dgn	USER NAME = Anthony.Plutz	DESIGNED - WEI	REVISER -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORINGS 2 STRUCTURE NO. 016-Z006	F.A.P. R.T.E. = 330	SECTION = 103R-5	COUNTY = COOK	TOTAL SHEETS = 778	SHEET NO. = 451
PLOT SCALE = 0:2.0000 '1' / in.	DRAWN - AMV	REVISER -	CONTRACT NO. 60M62							
PLOT DATE = 3/13/2013	CHECKED - AMK	REVISER -	ILLINOIS FED. AID PROJECT							
			SHEET NO. 11 OF 21 SHEETS							