

Wang Engineering
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BORING LOG RWB-73

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 2
 Location: Ret. Wall RW-24, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 708.36 ft
 North: 1807660.42 ft
 East: 1115400.96 ft
 Station: 268+57.21
 Offset: 65.16 RT

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 (%)
705.4	Very stiff, brown SILTY CLAY LOAM, little gravel --FILL--	1	1	4 3 3	3.50	21							
705.4	Stiff to hard, brown and gray SILTY CLAY, trace gravel	2	2	4 3 3	2.05	27							
		3	3	4 3 3	1.72	21							
		4	4	4 3 3	5.08	19							
		5	5	4 3 3	4.18	20							
693.4	Boring terminated at 15.00 ft	6	6	4 3 3	3.77	18							

GENERAL NOTES

Begin Drilling: 04-15-2011 Complete Drilling: 04-15-2011
 Drilling Contractor: WTS Drill Rig: B-57 TMR
 Driller: K&R Logger: B. Wilson Checked by: CLM
 Drilling Method: 3.25" IDA HSA; Boring backfilled upon completion.

WATER LEVEL DATA

While Drilling: DRY
 At Completion of Drilling: DRY
 Time After Drilling: NA
 Depth to Water: NA

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

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BORING LOG RWB-74

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 2
 Location: Ret. Wall RW-24, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 709.83 ft
 North: 1807738.86 ft
 East: 1115393.77 ft
 Station: 269+35.76
 Offset: 59.15 RT

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 (%)
708.1	3-inch thick ASPHALT --PAVEMENT--	1	1	4 3 3	4.92	19							
708.1	6-inch thick CRUSHED STONE --BASE COURSE--	2	2	4 10 11	4.43	18							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel	3	3	4 6 8	4.67	17							
		4	4	4 6 8	2.46	14							
		5	5	7 11 14	4.50	14							
	--ROCK OBTURATED THE SPOON--	6	6	5 7 11	4.67	15							
694.8	Boring terminated at 15.00 ft	15											

GENERAL NOTES

Begin Drilling: 04-15-2011 Complete Drilling: 04-15-2011
 Drilling Contractor: WTS Drill Rig: B-57 TMR
 Driller: K&R Logger: B. Wilson Checked by: CLM
 Drilling Method: 3.25" IDA HSA; Boring backfilled upon completion.

WATER LEVEL DATA

While Drilling: DRY
 At Completion of Drilling: DRY
 Time After Drilling: NA
 Depth to Water: NA

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

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BORING LOG RWB-75

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 2
 Location: Ret. Wall RW-24, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 709.92 ft
 North: 1807824.29 ft
 East: 1115392.48 ft
 Station: 270+21.20
 Offset: 59.16 RT

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 (%)
709.1	10-inch thick black SILTY CLAY LOAM	1	1	4 3 3	1.50	20							
	--TOPSOIL--	2	2	4 3 3	2.75	20							
	Stiff to very stiff, brown SILTY CLAY LOAM, trace gravel	3	3	4 3 3	3.25	16							
	--FILL--	4	4	4 3 3	3.75	15							
703.6	Very stiff to hard, brown SILTY CLAY, trace gravel	5	5	4 3 3	3.75	14							
		6	6	4 3 3	4.00	15							
697.0	Boring terminated at 12.00 ft	12											

GENERAL NOTES

Begin Drilling: 04-28-2011 Complete Drilling: 04-28-2011
 Drilling Contractor: WTS Drill Rig: Geoprobe
 Driller: W&B Logger: N. Boddy Checked by: CLM
 Drilling Method: Jackhammer

WATER LEVEL DATA

While Drilling: DRY
 At Completion of Drilling: DRY
 Time After Drilling: NA
 Depth to Water: NA

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100 S. WACKER DR.
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FILE NAME = D:\60M61-SHT-Boring\4.dgn

USER NAME = Anthony.Plutz
 PLOT SCALE = 0:2.00 '1" / in.
 PLOT DATE = 3/13/2013

DESIGNED - WEI
 CHECKED - JCE
 DRAWN - JDK
 CHECKED - PMH

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RETAINING WALL
 SOIL BORING LOGS

SHEET NO. 39 OF 42 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-4	COOK	877	515
CONTRACT NO. 60M61				
ILLINOIS FED. AID PROJECT				

Note:
 For retaining wall key plan see sheet 1.
 For typical wall details see sheet 2.
 See individual wall sheets for boring locations.