BORING LOG 13-RWB-01

WEI Job No.: 1100-04-01

Wang Engineering
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Telephone: 630 953-9928
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Client: AECOM
Project: Circle Interchange Reconstruction
Location: Sections 16 and 17, T39N, R14E of 3rd PM

Datum: NGVD
Elevation: 593.57 ft
North: 1897602.80 ft
East: 1171259.06 ft
Station: 7308+54.07
Offset: 16.3167 RT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
593.3	4-inch thick, black SILTY CLAY LOAM, trace gravel, trace wood fragments --TOPSOIL--		1	8 5 5	NP	16
	Loose to medium dense, gray and black SILTY LOAM, trace gravel, brick fragments, slag, and roots --FILL--	5	2	8 3 3	NP	40
588.1	Loose, brown fine to medium SAND, trace gravel --FILL--		3	5 4 4	NP	18
585.6	Stiff to very stiff, gray SILTY CLAY	10	4	4 6 7	3.20 B	25
			5	3 3 3	1.48 B	17
580.6	Soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel	15	6	3 3 3	0.66 B	17
			7	1 2 3	0.57 B	21
		20	8	1 1 2	0.41 B	20
			9	1 2 2	0.57 B	21
		25	10	1 1 3	0.33 B	23

--LL(%)=35, PL(%)=15--
--%Gravel=2.2--
--%Sand=16.1--
--%Silt=50.7--
--%Clay=31.0--
--A-6 (15)--

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		30	11	1 1 2	0.49 B	24
			12	1 1 2	0.57 B	24
		35	13	0 1 1	0.49 B	26
		40	14	0 2 1	0.33 B	26
		45	15	1 2 2	0.33 B	28
		50	16	0 2 1	0.33 B	26

GENERAL NOTES

Begin Drilling 06-28-2013 Complete Drilling 07-01-2013
Drilling Contractor Wang Testing Services Drill Rig D-25 ATV
Driller P&N Logger A. Tomaras Checked by C. Marin
Drilling Method 2.25" HSA to 15', Mud Rotary 15' thereafter, 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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Client: AECOM
Project: Circle Interchange Reconstruction
Location: Sections 16 and 17, T39N, R14E of 3rd PM

Datum: NGVD
Elevation: 593.57 ft
North: 1897602.80 ft
East: 1171259.06 ft
Station: 7308+54.07
Offset: 16.3167 RT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
541.8	Stiff, gray SILTY CLAY LOAM, trace seams of sand and silt					
		55	17	4 8 11	1.56 B	14
538.8	Stiff, gray SILTY CLAY LOAM, trace gravel					
533.8	Gray, medium SAND	60	18	11 17 22	1.48 S	13
531.8	Stiff to very stiff, gray SILTY CLAY LOAM, trace gravel					
		65	19	8 13 19	3.69 B	19
		70	20	6 8 9	2.95 B	25
519.4	--2-inch, gray SILT, moist-- Hard, gray SILTY LOAM to	75	21	5 6 8	1.48 B	13

SILTY CLAY LOAM, trace gravel

--LL(%)=29, PL(%)=14--
--%Gravel=2.2--
--%Sand=11.8--
--%Silt=61.8--
--%Clay=24.2--
--A-6 (11)--

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		85	22	15 18 30	5.66 B	13
		90	23	20 33 30	7.30 S	10
			24	50/5	7.05 S	12
499.7	Boring terminated at 93.90 ft	95	25	50/5	NR	
		100				

GENERAL NOTES

Begin Drilling 06-28-2013 Complete Drilling 07-01-2013
Drilling Contractor Wang Testing Services Drill Rig D-25 ATV
Driller P&N Logger A. Tomaras Checked by C. Marin
Drilling Method 2.25" HSA to 15', Mud Rotary 15' thereafter, 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.

BORING LOG 13-RWB-02

WEI Job No.: 1100-04-01

Wang Engineering
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1145 N Main Street
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Telephone: 630 953-9928
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Client: AECOM
Project: Circle Interchange Reconstruction
Location: Sections 16 and 17, T39N, R14E of 3rd PM

Datum: NGVD
Elevation: 593.02 ft
North: 1897654.41 ft
East: 1171195.41 ft
Station: 7307+69.61
Offset: 28.9060 RT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
591.8	15-inch thick, brown SILTY CLAY LOAM --TOPSOIL--		1	2 5 5	NP	15
	Medium dense, gray and pink, fine SAND, little gravel --FILL--					
590.0	Stiff (1.5P), black and brown, SILTY CLAY LOAM, trace roots --FILL--	5	2	6 3 4	2.54 B	16
	Very stiff, brown and gray SILTY CLAY, trace gravel		3	2 7 2	2.25 B	16
		10	4	4 5 9	2.87 S	23
582.5	Soft to medium stiff, gray CLAY, trace gravel					
			5	3 2 3	0.79 B	26
		15	6	1 2 4	0.57 B	27
			7	2 3 2	0.41 B	18
		20	8	1 1 1	0.33 B	24
			9	1 1 2	0.41 B	26
		25	10	1 1 2	0.49 B	25

--LL(%)=34, PL(%)=15--
--%Gravel=3.5--
--%Sand=17.5--

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		30	11	1 1 2	0.49 B	24
			12	1 1 2	0.41 B	26
		35	13	2 1 3	0.49 B	25
		40	14	0 2 3	0.33 B	26
		45	15	1 2 2	0.57 B	17
		50	16	2 7 4	0.33 B	27

GENERAL NOTES

Begin Drilling 06-26-2013 Complete Drilling 04-16-2013
Drilling Contractor Wang Testing Services Drill Rig D-25 ATV
Driller P&N Logger A. Tomaras Checked by C. Marin
Drilling Method 2.25" HSA to 16', Mud Rotary 16' thereafter, boring backfilled upon completion

WATER LEVEL DATA

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

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