

Wang Engineering
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BORING LOG RW-1B

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WEI Job No.: 722-23-01
 Client: MACTEC Engineering and Consulting, Inc.
 Project: FAP 330, IL 21 (Milwaukee Avenue)
 Location: Section 128 R-3, Lake County, Illinois

Datum: NAV88
 Elevation: 664.71 ft
 North: 2062360.28 ft
 East: 1086313.18 ft
 Station: 186+72
 Offset: 58 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
659.2	Stiff, brown and black CLAY LOAM --FILL--	1	3	3	1.25	32	634.2		9	10	6	1.86	20
		2	3	3	1.50	31			10	8	7	1.45	20
		3	5	5	1.24	19			11	6	7	1.24	16
		4	7	6	1.45	17			12	34	58	NR	
654.2	Stiff, brown and gray CLAY --FILL--	5	9	10	3.93	15	629.7	Medium dense to dense, gray SANDY LOAM, little gravel	13	11	9	NP	10
		6	---	---	2.50	15			14	7	11	NP	19
		7	8	5	1.82	18			15	7	11	NP	19
		8	3	4	1.45	19			16	1	1	NP	19
		9	4	4	1.45	19			17	1	1	NP	19
		10	8	8	1.45	19			18	1	1	NP	19
		11	3	4	1.45	19			19	1	1	NP	19
		12	8	8	1.45	19			20	1	1	NP	19
		13	3	4	1.45	19			21	1	1	NP	19
		14	8	8	1.45	19			22	1	1	NP	19
		15	3	4	1.45	19			23	1	1	NP	19
		16	8	8	1.45	19			24	1	1	NP	19
		17	3	4	1.45	19			25	1	1	NP	19
		18	8	8	1.45	19			26	1	1	NP	19
		19	3	4	1.45	19			27	1	1	NP	19
		20	8	8	1.45	19			28	1	1	NP	19
		21	3	4	1.45	19			29	1	1	NP	19
		22	8	8	1.45	19			30	1	1	NP	19
		23	3	4	1.45	19			31	1	1	NP	19
		24	8	8	1.45	19			32	1	1	NP	19
		25	3	4	1.45	19			33	1	1	NP	19
		26	8	8	1.45	19			34	1	1	NP	19
		27	3	4	1.45	19			35	1	1	NP	19
		28	8	8	1.45	19			36	1	1	NP	19
		29	3	4	1.45	19			37	1	1	NP	19
		30	8	8	1.45	19			38	1	1	NP	19
		31	3	4	1.45	19			39	1	1	NP	19
		32	8	8	1.45	19			40	1	1	NP	19

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-16-2001	Complete Drilling	04-16-2001	While Drilling	▽	30.50 ft	
Drilling Contractor	Rock and Soil Drilling	Drill Rig	Acker 82	At Completion of Drilling	▽	9.00 ft	
Driller	Dave	Logger	T. Chen	Time After Drilling		24 hours	
Drilling Method	4.25" ID HSA; backfilled w/ bentonite chip.	Checked by	P. Wang	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 RW-1C

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WEI Job No.: 722-23-01
 Client: MACTEC Engineering and Consulting, Inc.
 Project: FAP 330, IL 21 (Milwaukee Avenue)
 Location: Section 128 R-3, Lake County, Illinois

Datum: NAV88
 Elevation: 660.23 ft
 North: 2062265.32 ft
 East: 1086259.48 ft
 Station: 187+81
 Offset: 68 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
657.2	Medium stiff, black CLAY --FILL--	1	3	4	0.75	55	634.7	Medium dense to very dense, white SANDY GRAVEL	9	15	14	NP	15
		2	3	2	0.50	43			10	5	4	NP	19
	Medium stiff, brown and gray CLAY --FILL--	3	2	1	0.50	43			11	7	11	NP	
		4	2	3	0.91	26			12	4	8	NP	12
652.2	Very soft, dark gray CLAY	5	0	1	0.25	35	632.2	Medium dense, brown, coarse SAND, wet	7	7	11	NP	
		6	0	2	0.25	32			8	15	23	4.38	15
		7	1	1	0.25	34	628.2	Medium dense, brown SANDY LOAM, wet	12	4	8	NP	12
		8	1	1	0.25	29			13	8	15	NP	12
		9	1	1	0.25	34			14	8	15	NP	12
		10	1	1	0.25	34			15	8	15	NP	12
		11	1	1	0.25	34			16	8	15	NP	12
		12	1	1	0.25	34			17	8	15	NP	12
		13	1	1	0.25	34			18	8	15	NP	12
		14	1	1	0.25	34			19	8	15	NP	12
		15	1	1	0.25	34			20	8	15	NP	12
		16	1	1	0.25	34			21	8	15	NP	12
		17	1	1	0.25	34			22	8	15	NP	12
		18	1	1	0.25	34			23	8	15	NP	12
		19	1	1	0.25	34			24	8	15	NP	12
		20	1	1	0.25	34			25	8	15	NP	12
		21	1	1	0.25	34			26	8	15	NP	12
		22	1	1	0.25	34			27	8	15	NP	12
		23	1	1	0.25	34			28	8	15	NP	12
		24	1	1	0.25	34			29	8	15	NP	12
		25	1	1	0.25	34			30	8	15	NP	12
		26	1	1	0.25	34			31	8	15	NP	12
		27	1	1	0.25	34			32	8	15	NP	12
		28	1	1	0.25	34			33	8	15	NP	12
		29	1	1	0.25	34			34	8	15	NP	12
		30	1	1	0.25	34			35	8	15	NP	12
		31	1	1	0.25	34			36	8	15	NP	12
		32	1	1	0.25	34			37	8	15	NP	12
		33	1	1	0.25	34			38	8	15	NP	12
		34	1	1	0.25	34			39	8	15	NP	12
		35	1	1	0.25	34			40	8	15	NP	12

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-16-2001	Complete Drilling	04-16-2001	While Drilling	▽	23.50 ft	
Drilling Contractor	Rock and Soil Drilling	Drill Rig	Acker 82	At Completion of Drilling	▽	4.00 ft	
Driller	Dave	Logger	T. Chen	Time After Drilling		24 hours	
Drilling Method	4.25" ID HSA; backfilled w/ bentonite chip.	Checked by	P. Wang	Depth to Water	▽	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

**SOIL BORING LOGS-I
 STRUCTURE NO. 049-W017**



FILE NAME = D160953-07-boring_logs-1.dgn	USER NAME =	DESIGNED - J.C.N./B.N.S.	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS-I STRUCTURE NO. 049-W017	F.A.P. RTE. = 330	SECTION = 128R-3	COUNTY = LAKE	TOTAL SHEETS = 518	SHEET NO. = 292
PLOT SCALE =	CHECKED - B.N.S.	REVISIONS -	CONTRACT NO. 60953							
PLOT DATE =	DRAWN - F.M.	REVISIONS -	ILLINOIS FED. AID PROJECT							
	CHECKED - B.N.S./J.C.N.	REVISIONS -	SHEET NO. S1-7 OF S1-8 SHEETS							