F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
190	0102.1 S	COOK	107	11
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Wang Engineering, Inc.
Geoteche Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N. Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax: (630) 953-9938

BORING LOG B-1

WEI Job No.: 200-24-01

Client: Alvord, Burdick & Howson, LLC
Project: IDOT Pump Station No. 24
Location: Rosemont, IL

Datum: NGVD
Elevation: 638.00 ft
North: 1936209.44 ft
East: 1108829.57 ft
Station:
Offset:

Page 1 of 2

Elev. (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
637.5	8-inch CLAY LOAM --TOPSOIL--						
	Hard, gray CLAY to CLAY LOAM --FILL--		X	1	6 6 6	> 4.50 P	18
634.3	Very stiff to hard, brown and gray CLAY	5	X	2	6 6 9	3.77 B	20
			X	3	5 7 11	4.92 B	17
		10	X	4	4 6 8	2.46 B	19
			X	5	4 5 6	2.38 B	20
		15	X	6	3 3 5	2.13 B	26
623.3	Medium dense, gray medium SAND						
622.3	Very stiff to hard, gray CLAY		X	7	5 4 6	2.46 B	17
		20	X	8	6 8 9	2.62 B	14
			X	9	5 8 12	2.05 B	16
		25	X	10	6 9 11	4.10 B	18

Elev. (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
611.0	Medium dense to dense, gray SILT		X	11	42 15 33	2.25 B	14
		30	X	12	20 15 30	NP	19
			X	13	12 13 16	NP	18
601.3	Very stiff to hard, gray SILTY CLAY --A-4 (3) --LL=27%, PL=13%		X	14	9 8 11	2.46 B	13
		45	X	15	8 11 14	4.26 B	13
		50	X	16	6 11 19	6.64 B	18

GENERAL NOTES

Begin Drilling: 10-21-2005 Complete Drilling: 10-21-2005
Drilling Contractor: DLZ Drill Rig: D-120
Driller: J & E Logger: K.J. Checked by: E. Dotz
Drilling Method: 3.25" IDA HSA

WATER LEVEL DATA

While Drilling: ▽ 58.50 ft
At Completion of Drilling: ▽ 58.50 ft
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 B-2

WEI Job No.: 200-24-01

Client: Alvord, Burdick & Howson, LLC
Project: IDOT Pump Station No. 24
Location: Rosemont, IL

Datum: NGVD
Elevation: 638.00 ft
North: 1936254.92 ft
East: 1108799.32 ft
Station:
Offset:

Page 1 of 2

Elev. (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
637.0	5-inch thick, gray CLAY LOAM --TOPSOIL--						
636.0	Hard, gray SILTY CLAY --FILL--		X	1	4 6 7	> 4.50 P	9
	Very stiff to hard, brown and gray CLAY	5	X	2	6 6 8	2.95 B	22
			X	3	6 8 11	6.15 B	18
		10	X	4	6 8 11	5.58 B	18
			O	5	6 8 10		
		15	X	6	5 6 8	3.69 B	19
621.8	Medium dense, gray, fine SAND		X	7	4 5 6	NP	24
620.0	Very stiff, gray CLAY	20	X	8	3 4 6	3.03 B	15
			X	9	5 6 10	2.50 P	17
		25	X	10	7 8 10	3.77 B	17

Elev. (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
623.5	Medium dense, to very dense, gray SILT		X	11	23 32 43	NP	14
		30	X	12	15 14 29	NP	17
	--A-4 (0)		X	13	8 11 10	NP	20
601.3	Very stiff, gray SILTY CLAY						
		40	X	14	5 7 9	2.46 B	13
		45	X	15	7 9 12	6.56 B	15
		50	O	16	18 17 22		

GENERAL NOTES

Begin Drilling: 10-21-2005 Complete Drilling: 10-21-2005
Drilling Contractor: DLZ Drill Rig: D-120
Driller: J & E Logger: K.J. Checked by: E. Dotz
Drilling Method: 3.25" IDA HSA

WATER LEVEL DATA

While Drilling: ▽ 57.00 ft
At Completion of Drilling: ▽ 58.50 ft
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 B-1

WEI Job No.: 200-24-01

Client: Alvord, Burdick & Howson, LLC
Project: IDOT Pump Station No. 24
Location: Rosemont, IL

Datum: NGVD
Elevation: 638.00 ft
North: 1936209.44 ft
East: 1108829.57 ft
Station:
Offset:

Page 2 of 2

Elev. (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
		55	X	17	8 12 20	5.33 B	18
583.0	Dense, gray, medium SAND						
578.0	Hard, gray SILTY CLAY	60	X	18	24 28 36	> 4.50 P	10
577.0	Boring terminated at 60.00 ft						
		65					
		70					
		75					

GENERAL NOTES

Begin Drilling: 10-21-2005 Complete Drilling: 10-21-2005
Drilling Contractor: DLZ Drill Rig: D-120
Driller: J & E Logger: K.J. Checked by: E. Dotz
Drilling Method: 3.25" IDA HSA

WATER LEVEL DATA

While Drilling: ▽ 58.50 ft
At Completion of Drilling: ▽ 58.50 ft
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 B-2

WEI Job No.: 200-24-01

Client: Alvord, Burdick & Howson, LLC
Project: IDOT Pump Station No. 24
Location: Rosemont, IL

Datum: NGVD
Elevation: 638.00 ft
North: 1936254.92 ft
East: 1108799.32 ft
Station:
Offset:

Page 2 of 2

Elev. (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (bw/6 in)	Qu (tsf)	Moisture Content (%)
		55	X	17	10 13 16	4.26 B	18
			X	18	7 10 13	4.51 B	18
581.0	Dense, gray SAND to SANDY LOAM		X	19	8 12 16	2.95 B	15
578.0	Boring terminated at 60.00 ft	60	X	20	9 15 17	NP	9
		65					
		70					
		75					

GENERAL NOTES

Begin Drilling: 10-21-2005 Complete Drilling: 10-21-2005
Drilling Contractor: DLZ Drill Rig: D-120
Driller: J & E Logger: K.J. Checked by: E. Dotz
Drilling Method: 3.25" IDA HSA

WATER LEVEL DATA

While Drilling: ▽ 57.00 ft
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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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DONOHUE & ASSOCIATES

G10

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PUMP STATION NO. 24
RELOCATION

SOIL BORING LOGS
FOR PUMP STATION

SCALE: N/A
DRAWN BY: HFF
DATE: 11-22-10
CHECKED BY: KHC