Project No.: 11-0023.003
Project: Missouri Avenue St. Clair County, IL
Client: IDOT
Boring No.: 1

Boring Log

Rig: CME 75
Location: East St. Louis, IL
Driller: MAS

Depth (ft.)	Description	Qp, t.s.f.	Dry Density, P.C.F.	Depth/Elev.	Number	Type	Blows/ft.	Qu, T.S.F.	Standard Penetration Test blows/ft.	Water Content % (Wp – Wl)
0	Ground Surface			418.2						
	Sandy Lean Clay, Silty, Yellow Brown Mottled Dark Brown and Brown, (CL)									
5	Medium, (CL)	1.00			1	SS	3		3	21.3
10	Very Soft, (CL)				2	SS	1		1	33.9
15	Clayey Sand, Light Brown, Very Loose, (SC)			403.2 15.0	3	SS	1		1	35.5
20	Fine to Medium Sand, Yellow Brown, Medium Dense, (SP)			398.2 20.0	4	SS	14		14	
25	Medium Dense, (SP)				5	SS	18		18	
30	Medium Dense, (SP)				6	SS	19		19	
				385.7						

Drill Method: 3 1/4" HSA/Rotary
Boring Started: 7/23/2014
Boring Completed: 7/23/2014
Tested By: MAS
Logging By: PEB

GEOTECHNICS
Soil & Material Testing

Groundwater Elev. During Drilling: 378.2
Groundwater Elev. @ Comp.: 378.2
Groundwater Elev. @ Hrs.:
Boring Location: 90' SW, 27' NW

Sheet 1 of 4

Project No.: 11-0023.003
Project: Missouri Avenue St. Clair County, IL
Client: IDOT
Boring No.: 1

Boring Log

Rig: CME 75
Location: East St. Louis, IL
Driller: MAS

Depth (ft.)	Description	Qp, t.s.f.	Dry Density, P.C.F.	Depth/Elev.	Number	Type	Blows/ft.	Qu, T.S.F.	Standard Penetration Test blows/ft.	Water Content % (Wp – Wl)
				385.7						
35	Medium Dense, (SP)				7	SS	22		22	
40	Medium Dense, (SP) Switched to Rotary Drilling @ 40 ft.				8	SS	18		18	
45	Dense, (SP)				9	SS	45		45	
				368.2 50.0						
50	Sand, Fine to Medium, Trace Gravel, Yellow Brown, Dense, SP				10	SS	30		30	
55	Dense, SP				11	SS	33		33	
60	Medium Dense, SP				12	SS	16		16	
65				353.2						

Drill Method: 3 1/4" HSA/Rotary
Boring Started: 7/23/2014
Boring Completed: 7/23/2014
Tested By: MAS
Logging By: PEB

GEOTECHNICS
Soil & Material Testing

Groundwater Elev. During Drilling: 378.2
Groundwater Elev. @ Comp.: 378.2
Groundwater Elev. @ Hrs.:
Boring Location: 90' SW, 27' NW

Sheet 2 of 4

BORING NO. 1

SHEET 1 OF 2

S003

FILE NAME = D:\IFiles\110023\Work Order 3 MO Ave Ph2\CADD Sheets\Grade Beam Plan.dgn

KLINGNER & ASSOCIATES, P.C.
Engineers · Architects · Surveyors

USER NAME = seb	DESIGNED - RJP	REVISED -	
	DRAWN - ADL	REVISED -	
PLOT SCALE = 25.0007 ' / in.	CHECKED - RJP	REVISED -	
PLOT DATE = 8/23/2014	DATE - ADL	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WELL HOUSE BLDG – BORINGS
MISSOURI AVENUE DEEP WELL FACILITY

SCALE: | SHEET 1 OF 2 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-4T-1	ST. CLAIR	185	77

CONTRACT NO. 76G99

ILLINOIS FED. AID PROJECT