

PROJECT Proposed Seawall, William G. Stratton Lock & Dam, McHenry County, Illinois  
CLIENT Illinois Department of Natural Resources, Springfield, Illinois  
BORING 1 DATE STARTED 9-24-04 DATE COMPLETED 9-24-04 JOB L-61,741  
ELEVATIONS WATER LEVEL OBSERVATIONS  
GROUND SURFACE 739.5 WHILE DRILLING 18.0'  
END OF BORING 694.5 AT END OF BORING 15.0'  
24 HOURS



SAMPLE NO.	TYPE	N	WC	Qu	Y DRY	DEPTH	ELEV.	SOIL DESCRIPTIONS
						0.5	739.0	FILL - Dark brown clayey TOPSOIL (OL)
1	SS	13	6.4					FILL - Brown silty SAND, trace gravel, moist (SM)
2	SS	14	6.9			3.0	736.5	FILL - Brown SAND, trace gravel, trace clay, moist (SP)
3	SS	12	14.5			5.5	734.0	FILL - Brown SAND, trace gravel, trace topsoil, moist (SP)
4	SS	8	18.0			8.0	731.5	FILL - Brown SAND, little gravel, trace clay, very moist (SP)
5	SS	4	24.7			10.5	728.0	Loose gray fine sandy SILT, very moist (ML)
6	SS	2	25.5	<0.25"		13.0	725.5	Very soft gray silty CLAY, trace sand, occasional silt seams, very moist (CL)
7	SS	4	20.0	<0.25"		18.0	721.5	Loose gray silty fine SAND, moist (SM)
8	SS	5	20.8			20.5	719.0	Firm gray silty fine SAND and layered silty CLAY, very moist (SM-CL)
9	SS	11	19.6			23.0	716.5	Firm gray SAND, trace gravel, saturated (SP)
10	SS	19						

DRILL RIG NO. 217  
Division lines between deposits represent approximate boundaries between soil types. In-situ, the transition may be gradual.  
Page 1 of 2

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SAMPLE NO.	TYPE	N	WC	Qu	Y DRY	DEPTH	ELEV.	SOIL DESCRIPTIONS
						25.5	714.0	Firm gray SAND, trace gravel, saturated (SP)
11	SS	40						
12	SS	41						Dense brown SAND, some gravel, saturated (SP)
13	SS	40	18.4	0.75"		33.0	708.5	Stiff to soft gray silty CLAY, trace sand, occasional silt seams, moist (CL)
14	SS	40	24.2	0.5"		43.0	696.5	Dense gray silty fine SAND, saturated (SM)
15	SS	36						End of Boring at 45.0'

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Page 2 of 2

PROJECT Proposed Seawall, William G. Stratton Lock & Dam, McHenry County, Illinois  
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BORING 2 DATE STARTED 9-24-04 DATE COMPLETED 9-24-04 JOB L-61,741  
ELEVATIONS WATER LEVEL OBSERVATIONS  
GROUND SURFACE 739.0 WHILE DRILLING 16.0'  
END OF BORING 694.0 AT END OF BORING 12.0'  
24 HOURS



SAMPLE NO.	TYPE	N	WC	Qu	Y DRY	DEPTH	ELEV.	SOIL DESCRIPTIONS
						0.5	738.4	FILL - Dark brown clayey TOPSOIL (OL)
1	SS	8	9.2					FILL - Brown to dark sandy CLAY, trace gravel, moist to very moist (CL)
2	SS	15	14.0					
3	SS	13	27.5			5.5	733.5	Black clayey TOPSOIL, little sand, very moist (CL)
4	SS	11	16.5					Firm gray clayey SAND, very moist (SC)
5	SS	9	17.2					
6	SS	9	21.7	<0.25"		13.0	728.0	Very soft gray silty CLAY, some sand, very moist (CL)
7	SS	11	19.0			15.5	723.5	Firm brown clayey SILT, occasional sand seams, moist (ML)
8	SS	13	20.6	1.0"		18.0	721.0	Stiff to tough gray very silty CLAY, little sand, very moist (CL-ML)
9	SS	19	18.1			20.5	718.5	Firm gray silty fine SAND, trace clay, saturated (SM)
10	SS	16				23.0	716.0	Firm brown SAND, saturated (SP)

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Page 1 of 2

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GROUND SURFACE 739.0 WHILE DRILLING 16.0'  
END OF BORING 694.0 AT END OF BORING 12.0'  
24 HOURS



SAMPLE NO.	TYPE	N	WC	Qu	Y DRY	DEPTH	ELEV.	SOIL DESCRIPTIONS
						28.0	711.0	Firm brown SAND, saturated (SP)
11	SS	16						
12	SS	27						
13	SS	41						
14	SS	46						Firm to dense brown SAND, trace gravel, saturated (SP)
15	SS	29						

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Page 2 of 2

Designed By \_\_\_\_\_  
Drawn By \_\_\_\_\_  
Checked By \_\_\_\_\_  
Checked By \_\_\_\_\_