

West Fargo Section 29



ST-2

ST-1








Boring Locations

Shyann
9th Grade
Center

(See Descriptive Terminology sheet for explanation of abbreviations)

LOG OF BORING N:\GINT\PROJECTS\FARGO\2011\07319.GPJ BRAUN_V8_CURRENT.GDT 12/12/11 14:07

Braun Project FA-11-07319 Geotechnical Evaluation Utility & Street Imps. - District #1234 4th St, 7th St & 23rd Ave West Fargo, North Dakota				BORING: ST-1 LOCATION: Section 29. See Sketch			
DRILLER: K. Miller		METHOD: 3 1/4" HSA, Autohammer		DATE: 11/30/11		SCALE: 1" = 5'	
Depth feet	Symbol	Description of Materials (Soil- ASTM D2488 or D2487, Rock-USACE EM1110-1-2908)	BPF	WL	qp tsf	Tests or Notes	
0.0							
2.0	FILL 	FILL: Lean Clay with Sand, with Sand and Silt lenses, with roots, dark brown, moist.	8				
7.0	CH 	FAT CLAY, with Sand and Silt lenses, brown, moist, medium. (Glacial Lake Deposit) -with Sand seams and iron-staining at 4 1/2 feet.	7 7		2 1/2 2 1/4		
12.0	SM 	SILTY SAND, brown, waterbearing, very loose to loose. (Alluvium)	4 10				
21.0	CH 	FAT CLAY, gray with iron-staining, wet, soft to rather soft. (Glacial Lake Deposit)	5 5 2		2 3/4 1		
		END OF BORING. Water observed at a depth of 7 feet while drilling. Water observed at a depth of 14 feet immediately after withdrawal of auger. Water not observed to a cave in depth of 3 feet when rechecked 1/4 hour after withdrawal of auger. Boring then backfilled.					

(See Descriptive Terminology sheet for explanation of abbreviations)

LOG OF BORING N:\GINT\PROJECTS\FARGO\2011\07319.GPJ BRAUN_V8_CURRENT.GDT 12/12/11 14:07

Braun Project FA-11-07319				BORING: ST-2		
Geotechnical Evaluation				LOCATION: Section 29. See Sketch		
Utility & Street Imps. - District #1234						
4th St, 7th St & 23rd Ave						
West Fargo, North Dakota						
DRILLER: K. Miller		METHOD: 3 1/4" HSA, Autohammer		DATE: 11/30/11		SCALE: 1" = 5'
Depth feet	Symbol	Description of Materials (Soil- ASTM D2488 or D2487, Rock-USACE EM1110-1-2908)	BPF	WL	qp tsf	Tests or Notes
0.0						
0.8	CL	SANDY LEAN CLAY, with Sand and Silt lenses, with roots, black and dark gray, moist. (Topsoil)	5			
	CH	FAT CLAY, with Sand and Silt lenses, brown, moist, medium. (Glacial Lake Deposit)	7		2 1/2	
		-with Sand seams and iron-staining at 4 1/2 feet.	7		2 1/4	
6.5	SM	SILTY SAND, brown, waterbearing, loose. (Alluvium)	8	▽		
9.0	CH	FAT CLAY, brown and gray with iron-staining, wet, rather soft to medium. (Glacial Lake Deposit)	4		1 1/2	
		-gray below 12 feet.	5		1 3/4	
			6		1 1/2	
21.0		END OF BORING.	4		1/4	
		Water observed at a depth of 7 feet while drilling.				
		Water not observed with 19 1/2 feet of hollow stem auger in the ground.				
		Boring then backfilled.				