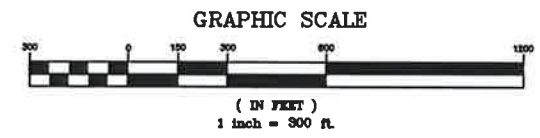


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 MAPLE RIDGE 1ST ADD. - PHASE I  
 BORING LOCATIONS  
 SEWER & WATER IMP. DIST. #1222  
 6/25/10  
 KJMc



AREA PLAN: S.W. 1/4 20-139-49  
 NEWBRIDGE 1ST ADDITION  
 WEST FARGO, NORTH DAKOTA

DATE	4.20/10	REVISED
DRAWN BY	JMS	PROJ. NO. 14170
CH'D BY		DRAWING 1
SCALE	1" = 300'	OF 1

moore engineering, inc.  
 Consulting Engineering • Land Surveying  
 West Fargo • Fergus Falls

Braun Project FA-08-02238 Geotechnical Evaluation Reserve at Osgood First Addition Second Street East West Fargo, North Dakota		BORING: <b>ST-1</b>				
DRILLER: C. Powers		METHOD: 3 1/4" HSA, Autohammer				
DATE: 6/16/08		SCALE: 1" = 4'				
Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	qp tsf	Tests or Notes
0.0	OL	ORGANIC CLAY, black, wet. (Topsoil)	FA			
1.0	CH	FAT CLAY, gray, moist to wet, medium. (Lacustrine)	7		1	
4.0	CH	FAT CLAY, with Silt lenses and laminations, brown and gray, moist, medium. (Lacustrine)	6		2	
			8		2	
			6		1 1/2	
11.5	CH	FAT CLAY, brown and gray, wet, medium to rather soft. (Lacustrine)	5		1	
			4		1	
			6		1	
26.0		END OF BORING.  Water not observed with 24 1/2 feet of hollow stem auger in the ground.  Boring then backfilled.	5		1 1/2	

(See Descriptive Terminology sheet for explanation of abbreviations)

LOG OF BORING 02238.CPJ BRAUN.GDT 6/17/08 07:07

<b>Braun Project FA-08-02238</b> Geotechnical Evaluation Reserve at Osgood First Addition Second Street East West Fargo, North Dakota	BORING: <b>ST-2</b> LOCATION: See Sketch.
DRILLER: C. Powers      METHOD: 3 1/4" HSA, Autohammer	DATE: <b>6/16/08</b> SCALE: <b>1" = 4'</b>

Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	qp tsf	Tests or Notes
0.0	OL	ORGANIC CLAY, black, wet. (Topsoil)	FA			
1.0	CH	FAT CLAY, dark brown, moist. (Lacustrine)				
2.0	CH	FAT CLAY, brown and gray, moist, rather soft. (Lacustrine)	4		2	
4.0	CH	FAT CLAY, with silt lenses and laminations, brown and gray, moist, rather soft. (Lacustrine)	4		2	
9.0	CH	FAT CLAY, gray, moist, rather soft. (Lacustrine)	5		1 1/2	
	CH	FAT CLAY, gray, moist, rather soft. (Lacustrine)	4		1 1/2	
	CH	FAT CLAY, gray, moist, rather soft. (Lacustrine)	4		1	
	CH	FAT CLAY, gray, moist, rather soft. (Lacustrine)	4		1	
	CH	FAT CLAY, gray, moist, rather soft. (Lacustrine)	4		1	
26.0		END OF BORING.  Water not observed with 24 1/2 feet of hollow stem auger in the ground.  Boring then backfilled.	5		1	

(See Descriptive Terminology sheet for explanation of abbreviations)  
 LOG OF BORING 02238.GPJ BRAUN.GDT 6/17/08 07:07

Braun Project FA-08-02238 Geotechnical Evaluation Reserve at Osgood First Addition Second Street East West Fargo, North Dakota			BORING: <b>ST-3</b>			
DRILLER: C. Powers			METHOD: 3 1/4" HSA, Autohammer		DATE: 6/16/08	SCALE: 1" = 4'
Depth feet	ASTM Symbol	Description of Materials (ASTM D2488 or D2487)	BPF	WL	qp tsf	Tests or Notes
0.0	OL	ORGANIC CLAY, black, wet. (Topsoil)	FA			
1.0	CH	FAT CLAY, brown and gray, moist, medium. (Lacustrine)	7	1 1/2		
4.0	CH	FAT CLAY, brown and gray, moist to wet, rather soft. (Lacustrine)	4	1 1/2		
			5	1		
			5	1		
			4	1		
			5	1		
			5	1		
26.0		END OF BORING.  Water not observed with 24 1/2 feet of hollow stem auger in the ground.  Boring then backfilled.	5	1		

LOG OF BORING 02238.GPJ BRAUN.GDT 6/17/08 07:07  
 (See Descriptive Terminology sheet for explanation of abbreviations)

