

Reference: MAP DATA: GOOGLE, CNES/SPOT IMAGE, DIGITALGLOBE, DATASIO, NOAA, U.S. NAVY, NGA, GEBCO, LANDSAT	Scale: 1:7,500	Job No.: 121619520	Highways 430/431 Reconstruction GROS MORNE NATIONAL PARK NEWFOUNDLAND	TEST PIT AND AUGER PROBE LOCATION PLAN - PROJECT 3	Dwg. No.: 06	
	Date: 2016 07 27 Dwn. By: JCB App'd By: PMW	Client: CRANDALL ENGINEERING LIMITED				

NOTE: THIS DOCUMENT IS INTENDED FOR INFORMATION PURPOSES ONLY. IT IS NOT TO BE USED FOR OTHER PURPOSES.



AUGER PROBE RECORD

AP-101 (7+238)

CLIENT Crandall Engineering Ltd.

PROJECT No. 121619520

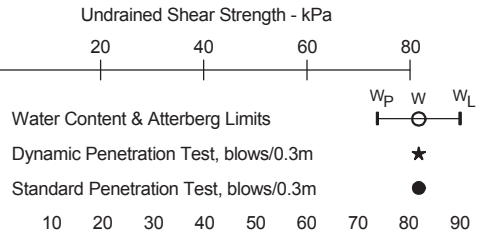
LOCATION Highway 430: Km 7.2 to Km 9.7 Gros Morne National Park, NL

BOREHOLE No. AP-101 (7+238)

DATES: BORING 2016/07/27 WATER LEVEL Not Measured

DATUM _____

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				Undrained Shear Strength - kPa									
					TYPE	NUMBER	RECOVERY	N-VALUE OR RQD	20	40	60	80						
0		ASPHALT (243mm)																
		GRANULAR BASE / SUBBASE: Compact, brown, well-graded gravel with sand (GW)				AU S2												
		SUBGRADE: Compact, brown silty sand with gravel (SM) - dry																
1		- dense				AU S4												
		Auger Hole terminated due to refusal on probable boulder or bedrock End of Auger Hole																
2																		



- △ Unconfined Compression Test
- Field Vane Test
- Remoulded
- ✕ Fall Cone



AUGER PROBE RECORD

AP-103 (8+362)

CLIENT Crandall Engineering Ltd.

PROJECT No. 121619520

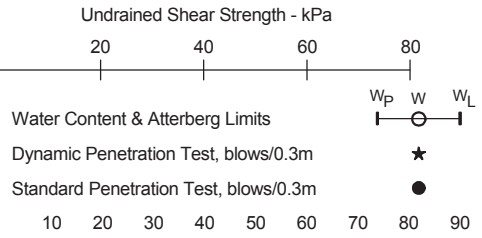
LOCATION Highway 430: Km 7.2 to Km 9.7 Gros Morne National Park, NL

BOREHOLE No. AP-103 (8+362)

DATES: BORING 2016/07/27 WATER LEVEL Not Measured

DATUM _____

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				Undrained Shear Strength - kPa										
					TYPE	NUMBER	RECOVERY	N-VALUE OR RQD	20	40	60	80							
0		ASPHALT (253mm)																	
		GRANULAR BASE / SUBBASE: Compact, brown, well-graded gravel with silt and sand (GW-GM)																	
		SUBGRADE: Compact, brown silty sand with gravel (SM)																	
		- dense, possible cobbles or boulders																	
		End of Auger Hole																	
2																			



- △ Unconfined Compression Test
- Field Vane Test
- Remoulded
- ✕ Fall Cone



AUGER PROBE RECORD

AP-104 (8+924)

CLIENT Crandall Engineering Ltd.

PROJECT No. 121619520

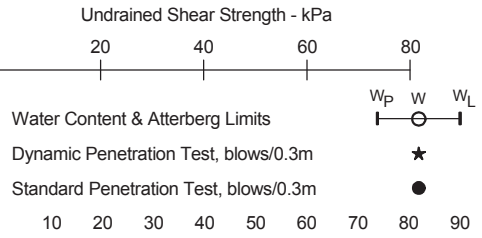
LOCATION Highway 430: Km 7.2 to Km 9.7 Gros Morne National Park, NL

BOREHOLE No. AP-104 (8+924)

DATES: BORING 2016/07/27 WATER LEVEL Not Measured

DATUM _____

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				Undrained Shear Strength - kPa									
					TYPE	NUMBER	RECOVERY	N-VALUE OR RQD	20	40	60	80						
0		ASPHALT (206mm)																
		GRANULAR BASE / SUBBASE: Compact, brown, well-graded gravel with sand (GW)				AU S2												
		SUBGRADE: Compact, brown, silty sand (SM) - dry																
1						AU S4												
		End of Auger Hole																
2																		



- △ Unconfined Compression Test
- Field Vane Test
- Remoulded
- ✕ Fall Cone



AUGER PROBE RECORD

AP-105 (9+409)

CLIENT Crandall Engineering Ltd.

PROJECT No. 121619520

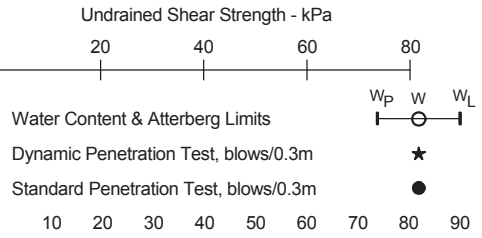
LOCATION Highway 430: Km 7.2 to Km 9.7 Gros Morne National Park, NL

BOREHOLE No. AP-105 (9+409)

DATES: BORING 2016/07/27 WATER LEVEL Not Measured

DATUM _____

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				Undrained Shear Strength - kPa									
					TYPE	NUMBER	RECOVERY	N-VALUE OR RQD	20	40	60	80						
0		ASPHALT (200mm)																
		GRANULAR BASE / SUBBASE: Compact, brown, well-graded gravel with sand (GW)																
		SUBGRADE: Compact, brown silty sand with gravel (SM) - dry				AU S2												
1		- some grey																
		End of Auger Hole																
2																		



- △ Unconfined Compression Test
- Field Vane Test
- Remoulded
- ✕ Fall Cone



AUGER PROBE RECORD

AP-106 (9+834)

CLIENT Crandall Engineering Ltd.

PROJECT No. 121619520

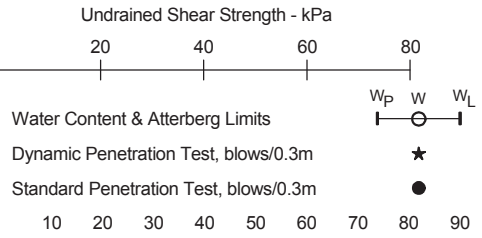
LOCATION Highway 430: Km 7.2 to Km 9.7 Gros Morne National Park, NL

BOREHOLE No. AP-106 (9+834)

DATES: BORING 2016/07/27 WATER LEVEL Not Measured

DATUM _____

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				Undrained Shear Strength - kPa											
					TYPE	NUMBER	RECOVERY	N-VALUE OR RQD	20	40	60	80								
0		ASPHALT (195mm)																		
		GRANULAR BASE / SUBBASE: Compact, medium brown, well-graded gravel with sand (GW)																		
		SUBGRADE: Silty sand with gravel (SM) - dry																		
1																				
		End of Auger Hole																		
2																				



- △ Unconfined Compression Test
- Field Vane Test
- Remoulded
- ✕ Fall Cone



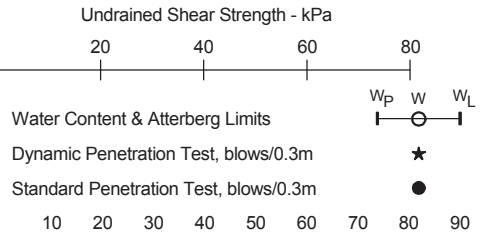
AUGER PROBE RECORD

TP-08 (0+660)

CLIENT Crandall Engineering Ltd.PROJECT No. 121619520LOCATION Highway 430: Climbing Lane, Km 7.2 to Km 9.7 Gros Morne National Park, NLBOREHOLE No. TP-08 (0+660)DATES: BORING 2016/07/27WATER LEVEL Noted as Dry

DATUM _____

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				Undrained Shear Strength - kPa											
					TYPE	NUMBER	RECOVERY	N-VALUE OR RQD	20	40	60	80								
0		BACKSLOPE: Offset from CL - 12.1m																		
		TOPSOIL: Compact brown silty SAND with gravel - occasional rootlets																		
1		BEDROCK Test pit terminated due to refusal on Bedrock End of Test Pit																		
2																				
3																				
4																				
5																				
		Chainage from Southeast Brook Bridge, 0+000 (m)								Δ Unconfined Compression Test □ Field Vane Test ■ Remoulded ✕ Fall Cone										





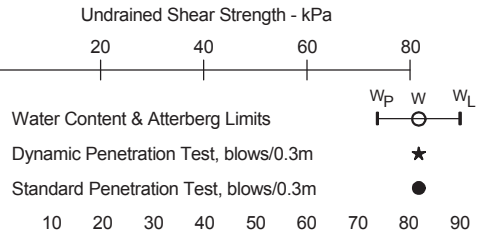
AUGER PROBE RECORD

TP-10 (0+820)

CLIENT Crandall Engineering Ltd.PROJECT No. 121619520LOCATION Highway 430: Climbing Lane, Km 7.2 to Km 9.7 Gros Morne National Park, NLBOREHOLE No. TP-10 (0+820)DATES: BORING 2016/07/27 WATER LEVEL 1.9m (Slow seepage)

DATUM _____

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				Undrained Shear Strength - kPa											
					TYPE	NUMBER	RECOVERY	N-VALUE OR RQD	20	40	60	80								
0		BACKSLOPE: Offset from CL - 14.1m																		
		ROOTMAT																		
		TILL: Compact, light brown, silty sand with gravel - dry - weathered																		
1		BEDROCK: Compact to dense, dark grey to black, highly weathered and fractured																		
2		Test pit terminated due to refusal on Bedrock End of Test Pit																		
3																				
4																				
5																				
		Chainage from Southeast Brook Bridge, 0+000 (m)	<div style="display: flex; justify-content: space-between;"> <div> <p>△ Unconfined Compression Test</p> <p>□ Field Vane Test</p> <p>✕ Fall Cone</p> </div> <div> <p>■ Remoulded</p> </div> </div>																	





AUGER PROBE RECORD

TP-15 (1+460)

CLIENT Crandall Engineering Ltd.

PROJECT No. 121619520

LOCATION Highway 430: Climbing Lane, Km 7.2 to Km 9.7 Gros Morne National Park, NL

BOREHOLE No. TP-15 (1+460)

DATES: BORING 2016/07/28

WATER LEVEL Noted as Dry

DATUM _____

DEPTH (m)	ELEVATION (m)	SOIL DESCRIPTION	STRATA PLOT	WATER LEVEL	SAMPLES				Undrained Shear Strength - kPa					
					TYPE	NUMBER	RECOVERY	N-VALUE OR RQD	20	40	60	80		
0		BACKSLOPE: Offset from CL - 15.4m												
		ROOTMAT - boulders noted at the surface												
		TILL: Compact brown silty sand - dry - occasional cobbles			BS	01								
1		Test pit terminated due to refusal on Inferred Bedrock End of Test Pit												
2														
3														
4														
5														
		Chainage from Southeast Brook Bridge, 0+000 (m)							Δ Unconfined Compression Test □ Field Vane Test ■ Remoulded ✕ Fall Cone					

