CLOUGH, HARBOUR & ASSOCIATES LLP
ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS

Proposed Retaining Wall Reconstruction
SUBSURFACE LOG
HOLE NUMBER B-1

Page 1 of 1

PROJECT NUMBER: 10760.1000.1502 3/5/02
LOCATION: North Bennington, Vermont
CLIENT: Vermont Agency of Transportation
CONTRACTOR: VAOT
DRILLER: Ray INSPECTOR: CWS
START DATE: 3-1-02 FINISH DATE: 3-1-02
START TIME: 11:00:00 AM FINISH TIME: 1:30:00 PM
SURFACE ELEV: 184.19 (m; Estimated) CHECKED BY: MSQ
DRILL FLUID: Water @ 0.6m DRILLING METHOD: 102mm FJC

WATER LEVEL OBSERVATIONS DURING DRILLING	DATE	TIME	WATER DEPTH (m)	CASING BOTTOM (m)	HOLE BOTTOM (m)

SAMP./CORE NUMBER	SAMP. ADV. (m) LEN. CORE (m)	RECOVERY (m)	Blows Per 0.3m on Split Spoon Sampler	'N' Value or RQD%	SAMPLE	DEPTH (Meters)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Meters)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
S-1	0.61	0.27	1-5-4-5	9				TOPSOIL	184	S-1 tested for grain size distribution and moisture content	
S-2	0.61	0.18	2-3-4-5	7		1		SILT, little f.m.c. sand, little f.c. gravel, trace organics, dk. brown, m. stiff, wet (FILL)		Casing grinds at 0.6 meters; S-2 tested for grain size distribution and moisture content	
S-3	0.61	0.3	5-4-2-3	6				grades to Some f.m.c. Sand, brown (FILL)	183	S-3 tested for electrochemical properties, grain size distribution and moisture content	
S-4	0.61	0	4-6-4-5	10		2		No Recovery		Gravel in tip of shoe, S-4	
S-5	0.58	0.46	6-9-26-30/.12	35				Rock Fragments, Some Silt, Some f.m.c. Sand, brown/gray, compact, wet (Completely Weathered Bedrock)	182	S-5 tested for grain size distribution and moisture content	
R-1	0.55	0.46	NA	0%		3		DOLOMITE, gray, m. hard, moderately weathered, v. closely fractured, v. poor RQD	181	Occasional vertical fracturing in R-1 and R-2	
R-2	1.07	1.07	NA	83%		4		DOLOMITE, gray, m. hard, slightly to moderately weathered, closely fractured, good RQD	180	Core block at 3.6 meters	
						5		End of Boring at 4.66 m	179		

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Proposed Retaining Wall Reconstruction
SUBSURFACE LOG
HOLE NUMBER B-2

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PROJECT NUMBER: 10760.1000.1502 3/5/02
LOCATION: North Bennington, Vermont
CLIENT: Vermont Agency of Transportation
CONTRACTOR: VAOT
DRILLER: Ray INSPECTOR: CWS
START DATE: 2-28-02 FINISH DATE: 2-28-02
START TIME: 8:30:00 AM FINISH TIME: 12:10:00 PM
SURFACE ELEV: 184.70 (m; Estimated) CHECKED BY: MSQ
DRILL FLUID: Water @ G.S. DRILLING METHOD: 102mm FJC

WATER LEVEL OBSERVATIONS DURING DRILLING	DATE	TIME	WATER DEPTH (m)	CASING BOTTOM (m)	HOLE BOTTOM (m)
	2-28-02	3:00 PM	Dry	None	2.44

SAMP./CORE NUMBER	SAMP. ADV. (m) LEN. CORE (m)	RECOVERY (m)	Blows Per 0.3m on Split Spoon Sampler	'N' Value or RQD%	SAMPLE	DEPTH (Meters)	GRAPHICS	DESCRIPTION AND CLASSIFICATION	ELEVATION (Meters)	Remarks on Character of Drilling, Water Return, etc.	WATER LEVELS AND/OR WELL DATA
								TOPSOIL		Topsoil thickness based upon visual inspection	
S-1	0.61	0	31-4-4-4	8		1		No Recovery	184	Drill to 0.6 m without sampling Cobbles visible in sidewalls of borehole after removal of FJC Gravel in shoe, S-1 & S-2; S-1 & S-2 tested for grain size distribution and moisture content	
S-2	0.61	0.09	4-8-4-9	12				f.c. GRAVEL, little silt, trace f.m.c. sand, dk. brown, m. compact, wet (FILL)			
S-3	0.61	0.43	11-12-13-37	25		2		grades to Some f.m.c. Sand, lt. brown/gray (FILL)	183	S-3 tested for grain size distribution and moisture content	
R-1	1.52	1.52	NA	17%		3		DOLOMITE, gray w/brown seams, m. hard, moderately weathered, v. closely fractured, v. poor RQD	182	Drilling resistance increases at 2.4 meters Occasional vertical fracturing in R-1	
R-2	1.52	1.52	NA	85%		4		DOLOMITE, gray, m. hard, slightly weathered, closely fractured, good RQD	181	Highly weathered from 3.4 to 3.8 meters	
						5		End of Boring at 5.49 m	180		
									179		

DATUM
VERTICAL N/A
HORIZONTAL NAD83 (1996)

BORING LOGS #2

SURVEYED BY L.R.S.C. DATE 4/03
DRAWN BY C.A.K. DATE 3/06
SQUAD LEADER D.E.G.
DESIGN FILE NO. /pave/95d104/pd104.dgn
IPARM FILE pd104b12.1 DATE PLOTTED 20-AUG-2010 12:
PROJ. NAME NORTH BENNINGTON
PROJ. NO. STP 9646(I)S
SHEET 93 OF 151 SHEETS