

CHA CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.J. 0146 (I)				
SUBSURFACE LOG		HOLE NUMBER B-398				
PROJECT NUMBER: 516J42		January 1996				
LOCATION: Station 13+952 Offset: 29.5m R1		PAGE 1 OF 1				
CLIENT: VDOT		DRILL FLUID: WATER				
CONTRACTOR: NE Diamond Drilling		DRILLING METHOD: F. J. C.				
DRILLER: T.W.		INSPECTOR: S. Pidgeon				
START DATE: 1/30/96		FINISH DATE: 1/30/96				
SURFACE ELEV.: 207.4m		CHECKED BY: W. Harris				
SAMPLE NO.	DEPTH (M)	RECOVERY (%)	DESCRIPTION AND CLASSIFICATION	ELEVATION (M)	REMARKS	WATER LEVELS
S1	.6m	11-3-3	SILT, f.fine organics and f. sand, dark brown, soft, moist (A-4)	207		
S2	.6m	4-6-5-8	Clayey SILT, some f. sand, f.fine m.c. sand, light brown, stiff, moist (A-4)	206.5		
S3	.6m	4-2-2-2	Clayey SILT, f.fine f.m.c. sand, trace f.c. gravel, brown, soft, moist (A-4)	206		
S4	.36m	4-62-65/06m	f.c. GRAVEL, f.fine m.c. sand, trace f.c. sand and clayey silt, brown-gray, very dense (U-1)	205.5	BOULDER	
S5	.6m	7-9-65-82	Clayey SILT, some f. sand, f.fine m.c. sand and f.c. gravel, brown, v. hard, moist-wet (A-4)	205		
R	1.52m	U3m	66% Limestone, gray, medium hard, very slight weathering, very thin bedding, fair ROD	204.5		
R2	1.52m	1.9m	92% ROD becomes excellent	204		
				203.5		
				203		
				202.5		
				202		
				201.5		
				201		
				200.5		
				200		
				199.5		
				199		
				198.5		
				198		
				197.5		
				197		
				196.5		
				196		
				195.5		
				195		
				194.5		
				194		
				193.5		
				193		
				192.5		
				192		

Final Depth: 7.62 Meters

BOTTOM OF CULVERT EL. 206.54

CHA CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.J. 0146 (I)				
SUBSURFACE LOG		HOLE NUMBER B-400				
PROJECT NUMBER: 516J43		January 1996				
LOCATION: Station 13+973 Offset: 9m R1		PAGE 1 OF 1				
CLIENT: VDOT		DRILL FLUID: WATER				
CONTRACTOR: NE Diamond Drilling		DRILLING METHOD: F. J. C.				
DRILLER: T.W.		INSPECTOR: S. Pidgeon				
START DATE: 1/30/96		FINISH DATE: 1/30/96				
SURFACE ELEV.: 205.56m		CHECKED BY: W. Harris				
SAMPLE NO.	DEPTH (M)	RECOVERY (%)	DESCRIPTION AND CLASSIFICATION	ELEVATION (M)	REMARKS	WATER LEVELS
S1	.6m	0-1-3-3	SILT, dark brown, soft, wet (A-4)	205.5		
S2	.6m	7-5-6-0	f.m.c. SAND, f.fine f. gravel and clayey silt, brown, medium dense, wet (A-2-4)	205		
S3	.6m	5-3-3-4	Clayey SILT, some f.m.c. sand, trace f. gravel, brown, medium stiff, moist (A-4)	204.5		
S4	.6m	9-18-24-70	Grades to little f.m.c. sand, trace f.c. gravel, gray, hard, moist (A-4)	204		
S5	.6m	108-79-54-9	becomes v. hard (A-4)	203.5		
S6	.6m	67-9-9-13	becomes v. stiff (A-4)	203		
S7	.6m	9-4-4-1	CLAY and SILT, trace f. sand and c. gravel, brown, v. stiff, moist (A-4)	202.5		
S8	.6m	10-4-22-64	Clayey SILT and f.m.c. SAND, little f. gravel, brown, hard wet (A-4)	202		
S9	.6m	4-18-27-15	stiffer soil (A-4)	201.5		
S10	.6m	11-19-21-24	stiffer soils (A-4)	201		
				200.5		
				200		
				199.5		
				199		
				198.5		
				198		
				197.5		
				197		
				196.5		
				196		
				195.5		
				195		
				194.5		
				194		

Final Depth: 9.45 Meters

BOTTOM OF CULVERT EL. 204.5

BOTTOM OF CULVERT EL. 202.435

CHA CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.J. 0146 (I)				
SUBSURFACE LOG		HOLE NUMBER B-402				
PROJECT NUMBER: 516J44		January 1996				
LOCATION: Station 13+992 Offset: 10m L1		PAGE 1 OF 1				
CLIENT: VDOT		DRILL FLUID: WATER				
CONTRACTOR: NE Diamond Drilling		DRILLING METHOD: F. J. C.				
DRILLER: T.W.		INSPECTOR: S. Pidgeon				
START DATE: 1/24/96		FINISH DATE: 1/30/96				
SURFACE ELEV.: 203.94m		CHECKED BY: W. Harris				
SAMPLE NO.	DEPTH (M)	RECOVERY (%)	DESCRIPTION AND CLASSIFICATION	ELEVATION (M)	REMARKS	WATER LEVELS
S1	.6m	1-2-2-10	SILT, trace f.m.c. sand, dark brown, soft, moist (A-4)	203.5		
S2	.6m	9-10-8-7	Clayey SILT, some f. sand, little m.c. sand, trace f. gravel, brown, very stiff, wet (A-4)	203	COBBLE	
S3	.6m	10-10-26-22	becomes hard (A-4)	202.5		
S4	.6m	12-9-17-24	Clayey SILT, little f.m.c. sand, trace f.c. gravel, olive-gray, hard, moist (A-4)(TLL)	202		
S5	.6m	15-11-1-21	Becomes very stiff (A-4)(TLL)	201.5		
S6	.6m	7-4-7-12	Grades to some f.m.c. sand, little f.c. gravel, stiff, wet (A-4)(TLL)	201		
R	1.52m	1.02m	72% Limestone, dark gray, medium hard, slight weathering, very thin bedding, fair ROD	200.5		
R2	1.52m	1.22m	80% Good ROD	200		
				199.5		
				199		
				198.5		
				198		
				197.5		
				197		
				196.5		
				196		
				195.5		
				195		
				194.5		
				194		

Final Depth: 7.44 Meters

CHA CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.J. 0146 (I)				
SUBSURFACE LOG		HOLE NUMBER B-404				
PROJECT NUMBER: 516J42		January 1996				
LOCATION: Station 14+007 Offset: 25m L1		PAGE 1 OF 1				
CLIENT: VDOT		DRILL FLUID: WATER				
CONTRACTOR: NE Diamond Drilling		DRILLING METHOD: F. J. C.				
DRILLER: T.W.		INSPECTOR: S. Pidgeon				
START DATE: 1/23/96		FINISH DATE: 1/24/96				
SURFACE ELEV.: 202.05m		CHECKED BY: W. Harris				
SAMPLE NO.	DEPTH (M)	RECOVERY (%)	DESCRIPTION AND CLASSIFICATION	ELEVATION (M)	REMARKS	WATER LEVELS
S1	.6m	1-3-4-7	SILT, trace f.m.c. sand, dark brown, m. stiff, moist (A-4)	202		
S2	.6m	8-4-4-1	f. SAND and Clayey SILT, f.fine m.c. sand and organics, brown, m. stiff, moist (A-4)	201.5		
S3	.6m	18-34-8-17	Clayey SILT and f. SAND, f.fine m.c. sand, light brown, hard, wet (A-4)	201		
S4	.32m	9-9-8-65/06m	grades to little m.c. sand and f.c. gravel, becomes v. stiff (A-4)	200.5	BOULDER	
S5	.6m	7-5-6-13	CLAY and SILT, some f. sand, trace m.c. sand and f. gravel, orange-brown, stiff, moist (A-4)	200		
S6	.30m	8-15-50/0	f. SAND and Clayey SILT, f.fine m.c. sand, orange-brown, v. hard, moist (A-4)	199.5		
R	1.52m	1.43m	94% Limestone, gray, medium hard, natural fracture, v. thin bedding, excellent ROD	199		
R2	1.52m	1.27m	90% excellent ROD	198.5		
				198		
				197.5		
				197		
				196.5		
				196		
				195.5		
				195		
				194.5		
				194		
				193.5		
				193		
				192.5		
				192		

Final Depth: 8.53 meters

BOTTOM OF CULVERT EL. 200.89

CHA CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.J. 0146 (I)				
SUBSURFACE LOG		HOLE NUMBER B-406				
PROJECT NUMBER: 516J44		January 1996				
LOCATION: Station 14+021 Offset: 39m L1		PAGE 1 OF 1				
CLIENT: VDOT		DRILL FLUID: WATER				
CONTRACTOR: NE DIAMOND DRILLING		DRILLING METHOD: F. J. C.				
DRILLER: T.W.		INSPECTOR: S. PIDGEON				
START DATE: 1/24/96		FINISH DATE: 1/24/96				
SURFACE ELEV.: 200.28m		CHECKED BY: W. HARRIS				
SAMPLE NO.	DEPTH (M)	RECOVERY (%)	DESCRIPTION AND CLASSIFICATION	ELEVATION (M)	REMARKS	WATER LEVELS
S1	.6m	1-2-5-6	SILT, f.fine f. sand and organics, dark brown, medium stiff, moist (A-4)	200		
S2	.2m	11-50/06m	Stiffer soils (A-4)	199.5	BOULDER	
S3	.6m	10-8-36-11	Grades with f.c. gravel (A-4)	199		
S4	.2m	50/2m	no recovery	198.5		
R	1.52m	1.55m	98% Limestone, gray, medium hard, slight weathering, very thin bedding, excellent ROD	198		
R2	1.52m	1.52m	75% ROD becomes fair	197.5		
				197		
				196.5		
				196		
				195.5		
				195		
				194.5		
				194		
				193.5		
				193		
				192.5		
				192		
				191.5		
				191		
				190.5		
				190		

Final Depth: 5.8 Meters

BOTTOM OF CULVERT EL. 199.44

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

Town Of	BENNINGTON	Bridge No.	BR300
Highway No.	VT. RTE. 9	Log Sta.	
VT. RTE. 9 OVER AIRPORT BROOK WEST TRIBUTARY			
SOIL BORING LOGS			
Designed By	W. HARRIS	Drawn by	M. CUEVAS/B. WEATHERBY
Checked By	M. QUINN	Date	11/01
PROJECT		PROJECT NO.	
BENNINGTON-HOOSICK		D.P.J. 0146(I)	
I.G.C. Info.			
Bridge Sheet No. BR30I		Sheet 187 OF 473	



FILE NAME: 516J42\B-398\log1.plt  
DATE/TIME: 10/17/2001  
USER: 4864