



BOTTOM OF ABUTMENT FOOTING  
EL. 211.30

BOTTOM OF ABUTMENT FOOTING  
EL. 214.20

CHA CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.I. 0146(1)		
SUBSURFACE LOG HOLE NUMBER B-425B		Page 1 of 2		
PROJECT NUMBER: S16J412	February 1996	DRILL FLUID: Water	DRILLING METHOD: F.J.C.	
LOCATION: Station 14+90	Offset: RT	DATE	TIME	
CLIENT: VDOT	CONTRACTOR: Northeast Diamond Drilling	WATER LEVEL OBSERVATIONS DURING DRILLING	DRILLER: T.W.	
INSPECTOR: S. Pigeon	START DATE: 2/26/96	FINISH DATE: 2/26/96	CHECKED BY: W. Harris	
SURFACE ELEV.: 207.00m				
DEPTH (meters)	DESCRIPTION AND CLASSIFICATION	ELEVATION (meters)	Remarks on Character of Drilling, water return, etc.	WATER LEVELS AND/OR WELL DATA
0.5	Advanced boring to determine depth and thickness of seams in limestone. Advanced boring with roller bit.	207		
1		206.5		
1.5		206		
2		205.5		
2.5		205		
3		204.5		
3.5		204		
4		203.5		
4.5		203		
5		202.5		
5.5		202		
6		201.5		
6.5		201		
7		200.5		
7.5		200		
8		199.5		
8.5		199		
9		198.5		
9.5		198		
10		197.5		
11		197		
11.5		196.5		
12		196		
12.5		195.5		
13	Seam from 12.8 meters to 14.3 meters	194		
13.5		193.5		
14		193		
14.5		192.5		
15		192		
15.5		191.5		
16		191		
16.5		190.5		
17		190		
17.5		189.5		
18		189		
18.5	Seam from 18.59 meters to 18.74 meters	188.5		
19		188		
19.5		187.5		
20	Seam from 20.12 meters to 21.28 meters	187		
20.5		186.5		
21		186		
21.5		185.5		
22		185		

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SUBSURFACE LOG HOLE NUMBER B-425B		Page 2 of 2		
PROJECT NUMBER: S16J412	March 1996	DRILL FLUID: Water	DRILLING METHOD: F.J.C.	
LOCATION: Station 14+90	Offset: RT	DATE	TIME	
CLIENT: VDOT	CONTRACTOR: Northeast Diamond Drilling	WATER LEVEL OBSERVATIONS DURING DRILLING	DRILLER: T.W.	
INSPECTOR: S. Pigeon	START DATE: 2/26/96	FINISH DATE: 2/26/96	CHECKED BY: W. Harris	
SURFACE ELEV.: 207.00m				
DEPTH (meters)	DESCRIPTION AND CLASSIFICATION	ELEVATION (meters)	Remarks on Character of Drilling, water return, etc.	WATER LEVELS AND/OR WELL DATA
22.5	Seam from 22.40 meters to 24.38 meters	184.5		
23		184		
23.5		183.5		
24		183		
24.5		182.5		
25		182		
25.5		181.5		
26		181		
26.5	Seam from 26.21 meters to 27.28 meters	180.5		
27		180		
27.5		179.5		
28	Seam from 27.74 meters to 28.80 meters	179		
28.5		178.5		
29		178		
29.5		177.5		
30		177		
30.5		176.5		
31		176		
31.5		175.5		
32		175		
32.5		174.5		
33	Seam from 33.07 meters to 34.38 meters	174		
33.5		173.5		
34		173		
34.5	Seam from 34.75 meters to 37.8 meters	172.5		
35		172		
35.5		171.5		
36		171		
36.5		170.5		
37		170		

Final Depth 37.83 Meters

CHA CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.I. 0146(1)		
SUBSURFACE LOG HOLE NUMBER B-426		Page 1 of 2		
PROJECT NUMBER: S16J412	February 1996	DRILL FLUID: Water	DRILLING METHOD: F.J.C.	
LOCATION: Station 14+89	Offset: 7m RT	DATE	TIME	
CLIENT: VDOT	CONTRACTOR: Northeast Diamond Drilling	WATER LEVEL OBSERVATIONS DURING DRILLING	DRILLER: T.W.	
INSPECTOR: S. Pigeon	START DATE: 2/5/96	FINISH DATE: 2/8/96	CHECKED BY: W. Harris	
SURFACE ELEV.: 207.5m				
DEPTH (meters)	DESCRIPTION AND CLASSIFICATION	ELEVATION (meters)	Remarks on Character of Drilling, water return, etc.	WATER LEVELS AND/OR WELL DATA
0.5	S.L. #116 f.m.c. sand and organics, dark brown, frozen (U-4TLL)	207.5		
1	Clayey SILT, #116 f.m.c. sand, trace f.c. gravel, brown, medium stiff, moist (U-4TLL)	207		
1.5	Clayey SILT, #116 f.m.c. sand, trace f.c. gravel, brown, very stiff, moist (U-4TLL)	206.5		
2	Clayey SILT and f.c. GRAVEL, #116 f.m.c. sand, brown, hard, moist (U-4TLL)	206		
2.5	SILT and CLAY, Some f.c. Gravel, #116 f.m.c. sand, brown, hard, moist (U-4TLL)	205.5		
3	Clayey SILT, #116 f.m.c. sand and f.c. gravel, gray, very hard, moist (U-4TLL)	205		
3.5	COBBLES	204.5		
4	COBBLES	204		
4.5	Clayey SILT, #116 f. sand, trace s.c. sand and f.c. gravel, gray, very hard, moist (U-4TLL)	203.5		
5		203		
5.5		202.5		
6		202		
6.5	Similar silt (U-4TLL)	201.5		
7		201		
7.5		200.5		
8	Clayey SILT, #116 f.m.c. sand, trace f.c. gravel, dark gray, very hard, moist (U-4TLL)	200		
8.5		199.5		
9		199		
9.5	becomes hard (U-4TLL)	198.5		
10		198		
11	boulder	197.5		
11.5		197		
12	f.m. SAND and Clayey SILT, Some c. Sand and Gravel, bedding evident, brown, very dense (U-4TLL)	196.5		
12.5	LIMESTONE, gray, medium hard, slight weathering, very thin bedding, fair ROD	195.5		
13		195		
13.5	good ROD	194.5		
14		194		
14.5	Fair ROD	193.5		
15		193		
15.5	very poor ROD	192.5		
16		192		
16.5	f. SAND, #116 silty clay, brown, v. loose, wet (U-2-4)	191.5		
17		191		
17.5	f. SAND, Some Silty Clay, #116 medium sand, brown, medium dense, moist (U-2-4)	190.5		
18		190		
18.5	LIMESTONE, medium gray, medium hard, slightly weathered, very poor ROD	189.5		
19		189		
19.5		188.5		
20		188		
20.5		187.5		
21	f.m. SAND and SILTY CLAY, trace f. gravel, brown, moist (U-4)	187		
21.5		186.5		
22		186		

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CHA CLOUGH, HARBOUR & ASSOCIATES LLP		Bennington-Hoosick D.P.I. 0146(1)		
SUBSURFACE LOG HOLE NUMBER B-426		Page 2 of 2		
PROJECT NUMBER: S16J412	March 1996	DRILL FLUID: Water	DRILLING METHOD: F.J.C.	
LOCATION: Station 14+89	Offset: 7m RT	DATE	TIME	
CLIENT: VDOT	CONTRACTOR: Northeast Diamond Drilling	WATER LEVEL OBSERVATIONS DURING DRILLING	DRILLER: T.W.	
INSPECTOR: S. Pigeon	START DATE: 2/5/96	FINISH DATE: 2/8/96	CHECKED BY: W. Harris	
SURFACE ELEV.: 207.5m				
DEPTH (meters)	DESCRIPTION AND CLASSIFICATION	ELEVATION (meters)	Remarks on Character of Drilling, water return, etc.	WATER LEVELS AND/OR WELL DATA
22.5	ROD BECOMES FAIR	185		
23	SILTY CLAY, LITTLE F.M.C. (SMBE)	184.5		
23.5		184		
24	ROD BECOMES POOR	183.5		
24.5	ROD BECOMES VERY POOR	183		
25		182.5		
25.5		182		
26	BECOMES DARK GRAY, EXCELLENT ROD	181.5		
26.5		181		
27		180.5		
27.5	ROD BECOMES VERY POOR	180		
28	ROD BECOMES FAIR	179.5		
28.5		179		
29		178.5		
29.5	LIMESTONE, DARK GRAY, MEDIUM HARD, MODERATE-SEVERE WEATHERING GOOD ROD	178		
30		177.5		
30.5		177		
31	ROD BECOMES GOOD	176.5		
31.5		176		
32		175.5		

Final Depth 32.4 Meters

### STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of	BENNINGTON	Bridge No.	BR400
Highway No.	VT. RTE. 9	Log Sta.	
		Surv. Sta.	14+140
VT. RTE. 9 OVER AIRPORT BROOK WEST			
SOIL BORING LOGS			
Designed By	W. HARRIS	Drawn by	M. CUEVAS/B. WEATHERBY
Checked By	M. QUINN	Bridge Design Supervisor	M. OLSTAD
	Date 11/01	Date	11/01
PROJECT	BENNINGTON-HOOSICK	PROJECT NO.	D.P.I. 0146(1)
I.G.C. info.			
Bridge Sheet No.	BR409	Sheet	198 OF 473



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