

CHA CLOUGH, HARBOUR & ASSOCIATES LLP		BENNINGTON-HOOSICK D. P. I. 0146(1)	
SUBSURFACE LOG		HOLE NUMBER B-610	
PROJECT NUMBER: 3573.07.01	MAY 1995	LOCATION: Station 16+774.0	Offset: 36.5m r f
DRILLER: M. H.	INSPECTOR: H. SIMPSON	DRILL FLUID: WATER	DRILLING METHOD: 0.0m FJC
START DATE: 5/22/95	FINISH DATE: 5/23/95	DATE	TIME
SURFACE ELEV.: 175.2m		DATE	TIME
SAMPLE NUMBER	DEPTH (METERS)	DESCRIPTION AND CLASSIFICATION	ELEVATION (METERS)
S1 .6m .3m	woh-1-2-3	SILT, little f.m. sand, trace c. gravel, trace roots, brown, soft, moist (A-4)	175
S2 .6m .2m	2-2-2-5	grades to little f.c. gravel (A-4)	174.5
S3 .6m .3m	5-3-3-7	f.m. SAND, some SH, little f.c. gravel, brown, loose, wet (A-2-4)	174
S4 .6m .2m	11-15-24-23	f.m. SAND, little f.c. gravel, little m.c. sand, gray, dense, wet (A-4)(TEL)	173.5
S5 .6m .4m	11-16-15-10	SILT, trace f.c. sand, trace f. gravel, gray, v. stiff, wet (A-4)(TEL)	173
S6 .6m .4m	13-8-12-10	SILT, trace f.c. sand, trace f. gravel, gray, v. stiff, wet (A-4)(TEL)	172.5
S7 .6m .5m	12-13-20-28	SILT and f. SAND, little m.c. sand, trace f. gravel, brown/gray, hard, wet (A-4)(TEL)	172
S8 .40m .3m	25-60 50/.076m	grades to trace f.c. gravel, red/brown, very hard, wet (A-4)(TEL)	171.5
R1 1.52m 1.5m	NA	DOLOSTONE, with quartz and calcite veining, gray, medium hard, slight weathering, thick bedding, close fracturing, poor ROD	171
R2 1.52m 1.5m	NA	Same as above, fair ROD	170.5
		Bottom of Boring at 0.06 meters	165

CHA CLOUGH, HARBOUR & ASSOCIATES LLP		BENNINGTON-HOOSICK D. P. I. 0146(1)	
SUBSURFACE LOG		HOLE NUMBER B-620	
PROJECT NUMBER: 3573.07.01	MAY 1995	LOCATION: Station 16+771.7	Offset: 17.6m r f
DRILLER: M. H.	INSPECTOR: H. SIMPSON	DRILL FLUID: WATER	DRILLING METHOD: 0.0m FJC
START DATE: 5/23/95	FINISH DATE: 5/23/95	DATE	TIME
SURFACE ELEV.: 175.1m		DATE	TIME
SAMPLE NUMBER	DEPTH (METERS)	DESCRIPTION AND CLASSIFICATION	ELEVATION (METERS)
S1 .6m .5m	woh-1-2-3	SILT, little roots, brown, soft, moist (A-4)	175
S2 .6m .4m	5-5-6-5	f.m. SAND, little SH, trace c. sand, brown, very loose, moist (A-2-4)	174.5
S3 .6m .3m	4-5-2-29	grades to some SH, trace c. gravel, brown, medium dense, moist (A-2-4)	174
S4 .6m .3m	9-0-13-10	f.m. SAND, little f. gravel, little SH, trace c. gravel, brown, medium dense, wet (A-2-4)	173.5
S5 .6m .2m	10-9-18-19	SILT, little c. sand, little f. gravel, trace c. gravel, gray, very stiff, moist (A-4)	173
S6 .6m .4m	9-7-9-16	grades to trace c. sand, wet (A-4)(TEL)	172.5
S7 .6m .6m	9-0-7-6	grades to some f.m.c. sand, trace f.c. gravel, orange/brown, very stiff, moist (A-4)(TEL)	172
S8 .6m .6m	4-3-4-4	Dense SILT, trace c. sand, trace f. gravel, brown, medium stiff, moist/wet (A-4)(TEL)	171.5
R1 1.52m 1.5m	NA	DOLOSTONE, with orange staining on fracture faces, gray, medium hard, slight weathering, thick bedding, close/medium fracturing, excellent ROD	171
R2 1.52m 1.5m	NA	Same as above, with vertical fractures	170.5
		Bottom of Boring at 0.91 meters	165

CHA CLOUGH, HARBOUR & ASSOCIATES LLP		BENNINGTON-HOOSICK D. P. I. 0146(1)	
SUBSURFACE LOG		HOLE NUMBER B-630	
PROJECT NUMBER: 3573.07.01	MAY 1995	LOCATION: Station 16+838.7	Offset: 34.3m r f
DRILLER: M. H.	INSPECTOR: H. SIMPSON	DRILL FLUID: WATER	DRILLING METHOD: 0.0m FJC
START DATE: 5/9/95	FINISH DATE: 5/22/95	DATE	TIME
SURFACE ELEV.: 172.9m		DATE	TIME
SAMPLE NUMBER	DEPTH (METERS)	DESCRIPTION AND CLASSIFICATION	ELEVATION (METERS)
S1 .6m .4m	woh-1-1	SILT, trace f. sand, brown, soft, moist (A-4)	172.5
S2 .6m .4m	H-1-1	f. SAND, trace silt, brown, very loose, moist (A-3)	172
S3 .6m .4m	H-3-5	becomes wet (A-3)	171.5
S4 .6m .4m	8-8-0-9	f.c. GRAVEL, some c. sand, brown/orange, medium dense, wet (A-1-3)	171
S5 .6m .2m	10-9-7-5	SILT and f.m. SAND, trace c. gravel, gray, v. stiff, wet (A-4)	170.5
S6 .6m .3m	5-5-8-10	Dense SILT, trace f. gravel, trace c. sand, gray, stiff, wet (A-4)	170
S7 .6m .2m	9-6-4-4	grades to some f. sand, gray, stiff, wet (A-4)	169.5
S8 .6m .2m	9-9-5-7	f.m. SAND, little f. gravel, trace c. gravel, trace silt, gray, medium dense, wet (A-3)	169
S9 .6m .2m	8-4-14-12	f.m. SAND and SILT, trace f.c. gravel, gray, v. stiff, wet (A-4)(TEL)	168.5
S10 .6m .5m	24-29-21-26	SILT, little f.m.c. sand, little f. gravel, gray, hard, moist (A-4)(TEL)	168
S11 .6m .4m	100/0.5	becomes v. hard (A-4)(TEL)	167.5
R1 1.52m 1.4m	NA	DOLOSTONE, with orange staining on fracture faces, gray, high weathering, massive bedding, very close fracturing, very poor ROD	167
R2 1.52m 1.4m	NA	Same as above	166.5
		Bottom of Boring at 5.09 meters	157

CHA CLOUGH, HARBOUR & ASSOCIATES LLP		BENNINGTON-HOOSICK D. P. I. 0146(1)	
SUBSURFACE LOG		HOLE NUMBER B-640	
PROJECT NUMBER: 3573.07.01	MAY 1995	LOCATION: Station 16+835.7	Offset: 20.5m r f
DRILLER: M. H.	INSPECTOR: H. SIMPSON	DRILL FLUID: WATER	DRILLING METHOD: 0.0m FJC
START DATE: 5/18/95	FINISH DATE: 5/18/95	DATE	TIME
SURFACE ELEV.: 173.0m		DATE	TIME
SAMPLE NUMBER	DEPTH (METERS)	DESCRIPTION AND CLASSIFICATION	ELEVATION (METERS)
S1 .6m .5m	woh-1-1	SILT, trace f. sand, trace roots, brown, v. soft, moist (A-4)	173
S2 .6m .5m	woh-woh	Same as Above (A-4)	172.5
S3 .6m .3m	1-2-7-15	SILT, some f. sand, brown, stiff, moist (A-4)	172
S4 .6m .2m	23-22-20-10	f. GRAVEL and f.m. SAND, little silt, trace c. gravel, brown, dense, moist/wet (A-1-3)	171.5
S5 .6m .1m	20-9-7-4	f.m. SAND, little f. gravel, little silt, brown, dense, wet (A-2-4)	171
S6 .6m .0m	19-14-10-10	SILT, little f. sand, trace f.c. gravel, gray, hard, wet (A-4)(TEL)	170.5
S7 .6m .0m	20-26-15-6	becomes v. stiff, insufficient recovery for soils description	170
S8 .6m .1m	14-14-8-10	SILT and f.m. SAND, some f.c. gravel, gray, stiff, wet (A-4)(TEL)	169.5
S9 .6m .2m	25-9-5-6	becomes v. stiff (A-4)(TEL)	169
S10 .6m .2m	7-13-16-16	becomes v. stiff (A-4)(TEL)	168.5
S11 .6m .2m	28-40-40-39	SILT and f. SAND, trace c. gravel, gray, v. hard, wet (A-4)(TEL)	168
R1 1.52m 1.2m	NA	DOLOSTONE, gray, hard, slight weathering, thin bedding, very close fracturing, very poor ROD	167.5
R2 1.52m 1.4m	NA	Same as Above, ROD becomes poor	167
		Bottom of Boring at 14.63 meters	157

STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of	BENNINGTON	Bridge No.	BR700
Highway No.	VT. RTE. 9	Log Sta.	
VT. RTE. 9 OVER SILK ROAD AND WALLOOMSAC RIVER			
SOIL BORING LOGS - 1			
Designed By	W. HARRIS	Drawn by	M. CUEVAS/B. WEATHERBY
Checked By	M. QUINN	Bridge Design Supervisor	M. OLSTAD
PROJECT	BENNINGTON-HOOSICK	PROJECT NO.	D.P.I. 0146(1) C/4
L.G.C. Info.			
Bridge Sheet No.	BR706	Sheet	189 OF 385

10/31/95 BR700 B-7001-12000/897