ABUTMENT #1
TOP OF FOOTING
EL 383.69'±

M & W Soils Engineering Inc.
Main St. Charlestown, NH 03603

TO DUFRESNE-HENRY, INC. ADDRESS SOUTH BURLINGTON, VT
PROJECT NAME BRIDGE #46 LOCATION NORWICH, VT
REPORT SENT TO MIKE CHENETTE PROJ. NO.
SAMPLES RETAINED BY M & W SOILS ENG., INC. OUR JOB NO. 8856-02

SHEET 1 OF 1
DATE 8/26/02
HOLE NO. B-1
LINE & STA.
OFFSET

GROUND WATER OBSERVATIONS
AT 15' AT IMMEDIATELY HOURS
AT ____ AT ____ HOURS

	CASING	SAMPLER	CORE BAR
Type	HSA	SS	
Size I. D.	3 1/4"	1 1/2"	
Hammer Wt.		140#	BIT
Hammer Fall		30"	

SURFACE ELEV.
DATE STARTED 8/26/02
DATE COMPL. 8/26/02
BORING FORMAN M.H., J.F. & S.M.
INSPECTOR M. CHENETTE
SOILS ENGR.

LOCATION OF BORING AS MARKED - SOUTHWEST END OF BRIDGE DECK

Depth	Sample Depths From-To	Type of Sample	Blows per 6" on sampler		Moisture Density or Consist.	Strata Change Elev.	Field Soil Identification (Remarks include color, gradation, Type of soil etc. Rock-color, type, cond., hardness, Drilling time, seams and ect.)	Sample No.	Pen	Rec
						1 1/2"	ASPHALT			
						8"	CONCRETE			
5'							AIR BETWEEN DECK AND WATER			
10'										
15'						15'				
20'							WATER			
						21'6"				
	22'6" - 23'3"	SS	22	50/3"		22'6"	BOULDER	1	9"	6"
					DENSE		GREY GRAVELLY SANDS WITH BOULDERS			
						23'3"	REFUSL TO SPLIT SPOON			
25'					VERY DENSE		WEATHERED ROCK			
						23'8"	REFUSAL TO AUGERS - BEDROCK OR BOULDER			

GROUND SURFACE TO 23'8" USED ____ CASING THEN ____

Sample Type
D-Dry C-Cored W-Washed
UP-Unfinished Piston
TP-Test Pit A-Auger V-Vane Tes
UT-Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb. wt. x 30"-fall an 2" O.D. Sampler
Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50+ Very Dense

Cohensive Consistancy
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

summary
EARTH BORING 23'8"
ROCK CORING
SAMPLES 1
HOLE NO. B-1

PIER
TOP OF FOOTING
EL 377.36'±

M & W Soils Engineering Inc.
Main St. Charlestown, NH 03603

TO DUFRESNE-HENRY, INC. ADDRESS SOUTH BURLINGTON, VT
PROJECT NAME BRIDGE #46 LOCATION NORWICH, VT
REPORT SENT TO MIKE CHENETTE PROJ. NO.
SAMPLES RETAINED BY M & W SOILS ENG., INC. OUR JOB NO. 8856-02

SHEET 1 OF 1
DATE 8/26/02
HOLE NO. B-2
LINE & STA.
OFFSET

GROUND WATER OBSERVATIONS
AT 15'2" AT IMMEDIATELY HOURS
AT ____ AT ____ HOURS

	CASING	SAMPLER	CORE BAR
Type	HSA	SS	
Size I. D.	3 1/4"	1 1/2"	
Hammer Wt.		140#	BIT
Hammer Fall		30"	

SURFACE ELEV.
DATE STARTED 8/26/02
DATE COMPL. 8/26/02
BORING FORMAN M.H., J.F. & S.M.
INSPECTOR M. CHENETTE
SOILS ENGR.

LOCATION OF BORING AS MARKED - CENTER OF BRIDGE DECK

Depth	Sample Depths From-To	Type of Sample	Blows per 6" on sampler		Moisture Density or Consist.	Strata Change Elev.	Field Soil Identification (Remarks include color, gradation, Type of soil etc. Rock-color, type, cond., hardness, Drilling time, seams and ect.)	Sample No.	Pen	Rec
						1 3/4"	ASPHALT			
						8"	CONCRETE			
5'							AIR BETWEEN DECK AND WATER			
10'										
15'						15'2"				
20'							WATER			
	21'8" - 23'1"	SS	1	2		21'5"		1	19"	16"
			1	50/1"	LOOSE		GREY FINE TO COARSE SAND AND FINE GRAVEL			
						23'1"	REFUSL TO SPLIT SPOON			
25'										
	26'6" - 28'6"	SS	6	2	LOOSE		BOULDERS AND GREY COARSE SAND	2	24"	14"
			3	12						
	28'6" - 29'5"	SS	22	100/5"		29'		3	11"	10"
30'					DENSE		SANDY OXIDIZED WEATHERED ROCK			
						29'5"	REFUSAL TO SPLIT SPOON			
					VERY DENSE		WEATHERED ROCK			
						30'4"	REFUSAL TO AUGERS - BEDROCK OR BOULDER			
35'										

GROUND SURFACE TO 30'4" USED ____ CASING THEN ____

Sample Type
D-Dry C-Cored W-Washed
UP-Unfinished Piston
TP-Test Pit A-Auger V-Vane Tes
UT-Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb. wt. x 30"-fall an 2" O.D. Sampler
Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50+ Very Dense

Cohensive Consistancy
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

summary
EARTH BORING 30'4"
ROCK CORING
SAMPLES 3
HOLE NO. B-2

DH Dufresne-Henry

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of NORWICH	Bridge No. 46
Highway No. T.H. 3	Log Sta. / Surv. Sta.
TOWN HIGHWAY NO. 3 OVER OMPOMPANOOSUC RIVER	
BORING INFORMATION SHEET (2)	
Designed By S. BURBANK	Drawn By S. BURBANK
Checked By M. CHENETTE Date 12/03	Bridge Design Supervisor M. CHENETTE Date 12/03
PROJECT NORWICH	PROJECT NO. TH2-9625
DH CAD Filename: ...\Norw-borei.dgn	Plot Date: 03/31/2004
Bridge Sheet No.	Sheet 12 of 40

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