VAOT Metric

BORINGS ARE IN ENGLISH UNITS WITH THE EXCEPTION OF THE METRIC ELEVATION COLUMN ON THE FAR LEFT OF EACH BORING LOG.

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION

HOLE NO.: AB-5
SHEET 1 OF 1
DATE STARTED: 12/17/96
DATE COMPLETED: 12/19/96

PROJECT NAME: BERKSHIRE
SITE NAME: VT RT 118
STATION: 106+81.00
GROUND EL.: 412.99
PROJECT NUMBER: BRS 0283(7)
SITE NO.: BR 26
OFFSET: 0.00
G.W. DEPTH:

BORING CREW
CREW CHIEF: WILLIS
DRILLER: WILLIS
LOGGER: TALLMAN .
BORING RIG: TRUCK
BORING TYPE: HOLLOW STEM
SAMPLE TYPE: SHELBY TUBE

METRIC ELEVATION (METERS)	DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
125.879			No Rec., 0.0'- 6.0', (SaSl)							
125	5		No Rec., 6.0'- 12.0', (Gr)							
BOT. OF FOOTING ELEVATION 120.4										
120	10		Pushed tube 12.0'- 14.0', No Rec.							
	15		Pushed tube 14.0'- 16.0', Rec.= 1.3', (cl)		32.2	0	1.9	98.1	21	1
115			Vane shear @ 18.0', Reading 105, Rem 30, Pushed tube 18.0'- 20.0', No Rec.							
	20		Vane shear @ 22.0', Reading 85, Rem 14, Pushed tube 22.0'- 24.0', Rec.= 2.0',(SlSa in bottom of tube)							
110	25		Unable to push vane @ 24.0'- 26.0' because of gravel layer		28.8	0.8	1.7	97.5	31	9
			Pushed tube 26.0'- 28.0', Rec.= 2.0',(ClSl)							
	30		Vane @ 30.0', Reading 186, Rem 28, Pushed tube 30.0'- 32.0', Rec.= 1.4', (Sl)		31.3	0.7	1.1	98.2		
105	35				Hole stopped @ 32.0'					
	40									
100	45									

Vane Shear & Shelby Tube Report

Tube 14' to 16' Results :
Θo = 0.87 Cc = 0.14 Cr = 0.013

Vane Shear @ 18' Results :
Su (V.S.) = 459 psf Su (REM) = 131 psf

Vane Shear @ 22' Results :
Su (V.S.) = 372 psf Su (REM) = 61 psf

Tube 22' to 24' Results : Cu = 1179 psf
Θo = 0.70 Cc = 0.14 Cr = 0.021

Tube 26' to 28' Results : Cu = 792 psf
Θo = 0.73 Cc = 0.15 Cr = 0.035

Vane Shear @ 30' Results :
Su (V.S.) = 814 psf Su (REM) = 122 psf
Tube 30' to 32' Results :
Θo = 0.89 Cc = 0.13 Cr = 0.030

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION

HOLE NO.: R-1
SHEET 1 OF 1
DATE STARTED: 3/3/95
DATE COMPLETED: 3/3/95

PROJECT NAME: BERKSHIRE
SITE NAME: VT RT 118
STATION: 110+00.00
GROUND EL.: 412.77
PROJECT NUMBER: BRS 0283(7)
SITE NO.: BR 26
OFFSET: -23.00
G.W. DEPTH: 0

BORING CREW
CREW CHIEF: WILLIS
DRILLER: WILLIS
LOGGER: MCGLYNN
BORING RIG: TRUCK
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL

METRIC ELEVATION (METERS)	DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
125.812										
125	5		A-4, SaSl, Wet, br, Trace of Organics	0	94.4	0.2	24.8	75		
			A-4, SaSl, br, Wet, Rec.= 2.0' W/Organics	1	70.4	0.1	29	70.9		
	10		A-1-a, SaGr, br, Wet, Rec.= 0.6'	13	14	59.8	33.3	6.9		
	15		A-1-b, SaGr, gr, Wet, Rec.= 0.8'	43	13.2	43.6	41.2	15.2		
BOT. OF FOOTING ELEVATION 120.4										
120	20		A-1-b, GrSa, gr, Wet, Rec.= 0.8'	16	13	40.9	42.4	16.7		
	25		A-2-4, SlGrSa, gr, Wet, Rec.= 1.1'	42	11.5	27.4	46.3	26.3		
	30		A-4, GrSaSl, gr, Moist, Rec.= 0.7'	R	16.7	20	34	46		
115	35		A-4, SaSl, gr, Moist, Rec.= 0.2'	R	8.1	14.1	42.9	43		
	40				Hole stopped @ 35.5'					

STATE OF VERMONT	
AGENCY OF TRANSPORTATION	
Town Of BERKSHIRE	Bridge No. 26
Highway No. VT. ROUTE 118	Log Sta. / Surv. Sta.
VT. ROUTE 118 OVER TROUT RIVER	
BORING LOG SHEET - 5	
Designed By VAOT	Drawn By S. DELIA
Checked By S. JOHNSON Date 02/00	Bridge Design Supervisor Date
PROJECT BERKSHIRE	PROJECT NO. BRF-RS 0283(7)
I.G.C. Info. y:\J914562\zf184bl5.dgn	IPARM:zf184bl5J
Bridge Sheet No. BR10	Sheet 49 of 140

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