

VT logo		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-101 SHEET 1 of 1 DATE STARTED: 2/02/10 DATE COMPLETED: 2/23/10			
PROJECT NAME: SPRINGFIELD		PROJECT NUMBER: BRO 1442(26)					
SITE NAME: TH-6		SITE NUMBER: BR-57					
STATION: 11+47		GROUND ELEVATION: 560.74 ft					
OFFSET: -6.50		GROUNDWATER DEPTH: 16.7 ft 2/04/10					
VTSPG NAD83: N 303927.40 ft E 1631019.28 ft		PROJECT PIN NUMBER: 95J282					
BORING CREW CREW CHIEF: GARROW DRILLER: GARROW LOGGER: MAHMUTOVIC		BORING RIG: LARGE SKID RIG w/AUTO HAMMER BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL CHECKED BY: CAA					
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
		Asphalt Pavement, 0.0 ft - 0.2 ft					
		Concrete, 0.2 ft - 1.5 ft					
		Field Note: BXDC, Cobbles, Cleaned out casing.					
		A-1-b, SaGr, brn, MTW, Rec. = 0.6 ft	8	11.1	54.0	34.3	11.7
10		Field Note: BXDC, Cobbles					
		Field Note: No Recovery	11				
20		A-3, Sa, brn, Wet, Rec. = 1.2 ft	13	25.9	0.2	89.7	10.1
		A-1-b, GrSa, brn, Wet, Rec. = 0.8 ft	49	12.3	41.5	45.2	13.3
30		Field Note: BXDC, Cobbles, Cleaned out casing.					
		Visual Classification, Broken Rock, Rec. = 0.2 ft, Advanced casing to 40.0 ft.	43				
40		Top of Bedrock @ 40.0 ft					
		Gray, Fine- to medium- grained biotitic schistose Gneiss, with closely spaced stained jointing. Fair to Good Rock, Very hard, Fresh Weathering, BXMDC, 40.0 ft - 41.0 ft, Rec. = 1.0 ft	1	100	0	30	12
		Gray, Fine- to medium- grained biotitic Gneiss, with closely spaced stained jointing. Good Rock, Very hard, Fresh Weathering, BXMDC, 41.0 ft - 46.0 ft, Rec. = 4.9 ft	2	98	82	30	6
		Gray, Fine- to medium- grained biotitic Gneiss, with 0.6 ft quartz vein at bottom of run. Closely spaced stained jointing. Good Rock, Very hard, Fresh Weathering, BXMDC, 46.0 ft - 50.0 ft, Rec. = 3.3 ft	3	83	63	30	7
50		Hole stopped @ 50.0 ft					7

BOTTOM OF FOOTING
ELEV. 548.00

ESTIMATED
PILE TIP
ELEV. 520.00

LOG OF BORING, SPRINGFIELD, BRO 1442(26) (REV. 1), VT, AUGUST 4/10/10

VT logo		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-102 SHEET 1 of 1 DATE STARTED: 1/27/10 DATE COMPLETED: 2/16/10			
PROJECT NAME: SPRINGFIELD		PROJECT NUMBER: BRO 1442(26)					
SITE NAME: TH-6		SITE NUMBER: BR-57					
STATION: 11+71		GROUND ELEVATION: 559.24 ft					
OFFSET: 15.00		GROUNDWATER DEPTH: 15.1 ft 1/28/10					
VTSPG NAD83: N 303897.04 ft E 1631026.52 ft		PROJECT PIN NUMBER: 95J282					
BORING CREW CREW CHIEF: GARROW DRILLER: GARROW LOGGER: MAHMUTOVIC		BORING RIG: LAG TRACK RIG #10 w/AUTO HAMMER BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL CHECKED BY: CAA					
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
		A-2-4, GrSa, brn, Moist, Rec. = 1.0 ft	4	15.4	21.0	65.7	13.3
5		A-1-a, Gr, brn, Wet, Rec. = 1.0 ft, Broken Rock was within sample.	33	9.8	75.2	19.6	5.2
10		Field Note: NXDC, Cobbles, Cleaned out casing.					
15		A-1-b, SaGr, brn, Wet, Rec. = 0.4 ft, Broken Rock was within sample.	21	15.7	44.4	44.1	11.5
20		Field Note: NXDC, Cobbles					
25		Visual Classification, Broken Rock with sand, brn, Wet, Rec. = 0.4 ft	R				
30		Possible Boulders, BXMDC, 27.5 ft - 32.5 ft, Rec. = 3.8 ft	1	76			5
		Top of Bedrock @ 32.5 ft					7
		Gray, Fine- to medium- grained biotitic schistose Gneiss, Good Rock, Very hard, Fresh Weathering, BXMDC, 32.5 ft - 37.5 ft, Rec. = 2.2 ft	2	44	30	80	6
							7
							7
							8
							7
		Gray, Fine- to medium- grained biotitic schistose Gneiss, with close to very closely spaced stained jointing. Good Rock, Very hard, Fresh Weathering, BXMDC, 37.5 ft - 40.0 ft, Rec. = 2.1 ft	3	84	56	20	7
40		Hole stopped @ 40.0 ft					7
							6
45		DRILLER'S NOTES: 1. Broke the core bit at 40.0 ft.					

BOTTOM OF FOOTING
ELEV. 548.00

ESTIMATED
PILE TIP
ELEV. 526.00

LOG OF BORING, SPRINGFIELD, BRO 1442(26) (REV. 1), VT, AUGUST 4/10/10

PROJECT NAME: SPRINGFIELD
PROJECT NUMBER: BRO 1442(26)

FILE NAME: s95J282bor.dgn
PROJECT LEADER: K. HIGGINS
DESIGNED BY: J. LACROIX
BORING LOG SHEET - 1

PLOT DATE: 30-AUG-2011
DRAWN BY: R. PELLETT
CHECKED BY: J. SALVATORI
SHEET 16 OF 52