

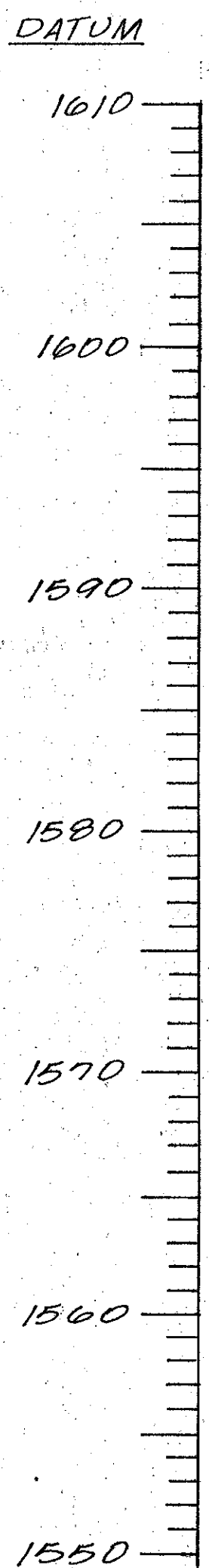
PLAN
Scale: 1" = 20'

NOTES:
Notes and Legend shown on BR25 & BR25A shall apply to borings shown on this sheet.

LEGEND

- Standard Penetration Boring
- Ground water

Casing Inside Diameter 3"
Sampler Outside Diameter 2"
Sampler Inside Diameter 1 3/8"
Weight of Hammer 140#
Hammer Fall 30"



BORING NO. 5
SURFACE ELEVATION 1592.9

DEPTH	SAMPLE NO.	STANDARD PENETRATION	LIQUID LIMIT	PLASTICITY INDEX	CLASSIFICATION AND PROPERTIES OF SOIL AND ROCK
10	S-150				S-1: Light brown-grey fine sand, some silt, little medium to coarse sand, trace gravel.
10	S-260				S-2: Light brown-grey coarse-fine sand, some-little gravel, trace-little silt.
10	S-3				S-3: Same as S-2.
10	S-3185				S-3A: Light brown coarse-fine sand, some gravel, some-little silt (glacial till).
20	S-426				S-4: Olive-grey fine-coarse sand, silt & gravel (glacial till).
20	S-5156				S-5: Same as S-4.
25.5					Refusal at 25.5' (1,567.4').

Bottom of Footing
EL. 1584.00

BORING NO. 6
SURFACE ELEVATION 1586.8

DEPTH	SAMPLE NO.	STANDARD PENETRATION	LIQUID LIMIT	PLASTICITY INDEX	CLASSIFICATION AND PROPERTIES OF SOIL AND ROCK
10	S-1*				Boulders (nested). S-1: Nested boulders (no recovery).
10	S-2163				S-2: Olive-grey silt and sand, little gravel, trace cobbles and boulders (glacial till).
20	S-326				S-3: No recovery (boulder?).
20	S-4124				S-4: Olive-grey silt & sand, little gravel, trace cobbles and boulders.
30	S-526				S-5: No recovery. Boring refusal at 25.5' (1,561.3').

Bottom of Footing
EL. 1577.00

Approx. Bottom of Shafts
EL. 1533.00

Penetration Blows/6"
* S-1 12" 68-48

BORING NO. 7
SURFACE ELEVATION 1584.8

DEPTH	SAMPLE NO.	STANDARD PENETRATION	LIQUID LIMIT	PLASTICITY INDEX	CLASSIFICATION AND PROPERTIES OF SOIL AND ROCK
10	S-1*				No sample taken; nested cobbles and boulders.
10	S-2163				S-1: Light brown-greyish brown coarse-fine sand, some gravel, little silt.
20	S-326				S-2: No sample.
20	S-4124				S-3: Olive-greyish brown fine to coarse sand, some gravel, little silt, trace cobbles & boulders (glacial till).
30	S-526				S-4: Olive-grey fine to coarse sand & silt, some-little gravel, trace cobbles and boulders.
30	S-626				S-5: No sample. Refusal at 25.5' (1,559.3').

Bottom of Footing
EL. 1573.00

Approx. Bottom of Shafts
EL. 1533.00

Penetration Blows/6"
* S-1 9" 64-100/3"

BORING NO. 8
SURFACE ELEVATION 1589.2

DEPTH	SAMPLE NO.	STANDARD PENETRATION	LIQUID LIMIT	PLASTICITY INDEX	CLASSIFICATION AND PROPERTIES OF SOIL AND ROCK
10	S-137				S-1: Dark brown fine sand & silt, little medium-coarse sand, trace gravel and organics (topsoil). Cored through boulders. S-2: Boulders.
10	S-2002				
10	S-3*				S-3: Light brown-olive brown fine to coarse sand, little-some gravel, with silt, trace cobbles boulders (glacial till).
20	S-4*				S-4: Olive brown coarse-fine sand, some-little gravel, little silt, trace cobbles (glacial till).
20	S-526				S-5: Same as S-4 (stone in tip).
30	S-6*				S-6: Same as S-5. Refusal at 26.0' (1,563.2').

Bottom of Footing
EL. 1584.00

Penetration Blows/6"
* S-3 17" 41-78-100/5"
* S-4 8" 50-80/2"
* S-6 12" 66-100/6"

Bottom of Footing
EL. 1584.00

DEPTH (ft)	STANDARD PENETRATION (blows/6")	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	CLASSIFICATION AND DESCRIPTION	REMARKS
0-1	0.8	11-13	15-16	f.m.c. SAND, Some f.c. Gravel, little silt, brown, compact, moist (A-3)	
1-1.5	1	NA	NA	COBBLES AND BOULDERS	Possible cobbles and boulders
1.5-2	1.4	49-50	100/4	f.m.c. SAND, little silt, little f.c. gravel, brown/gray, v. compact, moist (A-2-4)	
2-3	1.5	30-37	72	Similar Soil (A-2-4)	
3-3.5	3.5	NA	NA	COBBLES AND BOULDERS	Possible cobbles and boulders
3.5-4	2	38-44	49-60	f.m.c. SAND, Some silt, trace f.c. gravel, brown/gray, v. compact, moist (A-2-4)	Roller bit to 15 ft.
4-5	0.1	0.1	120/1	Insufficient Sample	Roller bit to 20 ft.
5-6	1.5	38-46	92	f.m.c. SAND, Some silt, little f.c. gravel, brown/gray, v. compact, moist (A-2-4)	Roller bit to 25 ft.
6-7	1.1	42-63	50/1	f.m.c. SAND, Some silt, trace f.c. gravel, brown/gray, v. compact, moist (A-2-4)	Roller bit to 30 ft.
7-8	1.2	45-61	100/2	Silt, Some f.m.c. Sand, brown/gray, v. compact, moist (A-4)	Roller bit to 35 ft.
8-9	0.3	100/3	NA	Silt, little f.m.c. sand, little f.c. gravel, brown/gray, v. compact, moist (A-4)	Roller bit to 40 ft.
9-10	0	60/0	NA	Insufficient Sample	Possible cobbles and boulders, Roller bit to 45 ft.
10-11	0.6	58-90	1	Silt, Some f.m.c. Sand, trace f.c. gravel, brown/gray, v. compact, moist (A-4)	Roller bit to 50 ft.
11-12	1.5	63-85	50	Silt, Some f.m.c. Sand, little f.c. gravel, brown/gray, v. compact, moist (A-4)	Roller bit to 55 ft.
12-13	1.5	63-85	50	Silt, Some f.m.c. Sand, little f.c. gravel, brown/gray, v. compact, moist (A-4)	Roller bit to 60 ft.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF **SEARSBURG** Bridge No. **25B**
HIGHWAY NO. **VT. ROUTE 9** Log Sta. **143+11**
VT. ROUTE 9 OVER DEERFIELD RIVER
Surv. Sta. **143+11**

BORING LOGS

Designed by **J.J.R.** Drawn by **J.J.R.**
Checked by **J.J.M.** Bridge Design Supervisor
date **12/85** **W.T.S. date 4-85**

PROJECT **SEARSBURG-WILMINGTON** PROJECT NO. **F-D10-1(18)**
Bridge Sheet No. **BR403** Sheet **205** of **435**

M.L. Job No. 83-3302
M.L. Br. No. 2
M.L. Sht. No. 15
BRUNING 44131-40151

Revisions: by CLOUGH HARBOUR & ASSOC. LLP App'd. By: MWO Date: 6/01
McFARLAND - JOHNSON ENGINEERS, INC.