

**CHANNEL RELOCATION - CURVE DATA**

CURVE "A" (ARC DEF)	CURVE "B" (ARC DEF)
$\Delta = 101^{\circ}00'00''$	$\Delta = 35^{\circ}00'$
$D = 31^{\circ}49'32''$	$D = 10^{\circ}00'$
$T = 218.36'$	$T = 180.70'$
$R = 100.00'$	$R = 572.96'$
$L = 317.30'$	$L = 350.00'$

**~ LIST OF SHEETS ~**

- BR.100 Plan
- BR.101 Elevation and Boring Plan
- BR.102 Bridge Quantity Sheet
- BR.103 Preliminary Information
- BR.104-5-6 Boring Logs
- BR.107 Framing Plan
- BR.108 Typical Section and Bracing
- BR.109 Floor Beam and Bracing
- BR.110 Railing Details
- BR.111 Expansion Dam Details
- BR.112 Scupper Details
- BR.113 Bearing Devices
- BR.114 Approach Slabs 1, 2, 3, & 4
- BR.115 Abutments No. 1 & 2
- BR.116 Abutment No. 3
- BR.117 Abutment No. 4
- BR.118 Piers No. 1, 2, 3, & 4
- BR.119 Pier No. 5
- BR.120 Pier No. 6
- BR.121-2-3 Reinforcing Steel Schedules
- BR.124-5 Channel Sections

Maximum Allowed Design Stresses

Concrete	$f_c = 12000 \text{ psi}$
structural steel	$f_s = 30000 \text{ psi}$
Reinforcing steel	$f_r = 20000 \text{ psi}$
Tension	$20000 \text{ psi}$
Compression	$16000 \text{ psi}$

**~ GENERAL NOTES ~**

- 1- Elevation datum sea level based on nearest U.S. Government Vertical Control.
- 2- For additional notes see 3.C.B-DI-62
- 3- Approach slabs shall be constructed as part of Stage I construction.
- 4- For Abutments 1 and 2 fill is to be placed to pile cut-off elev. prior to driving piles. Excav. to bottom of footing after piles are driven to be paid under Item 107

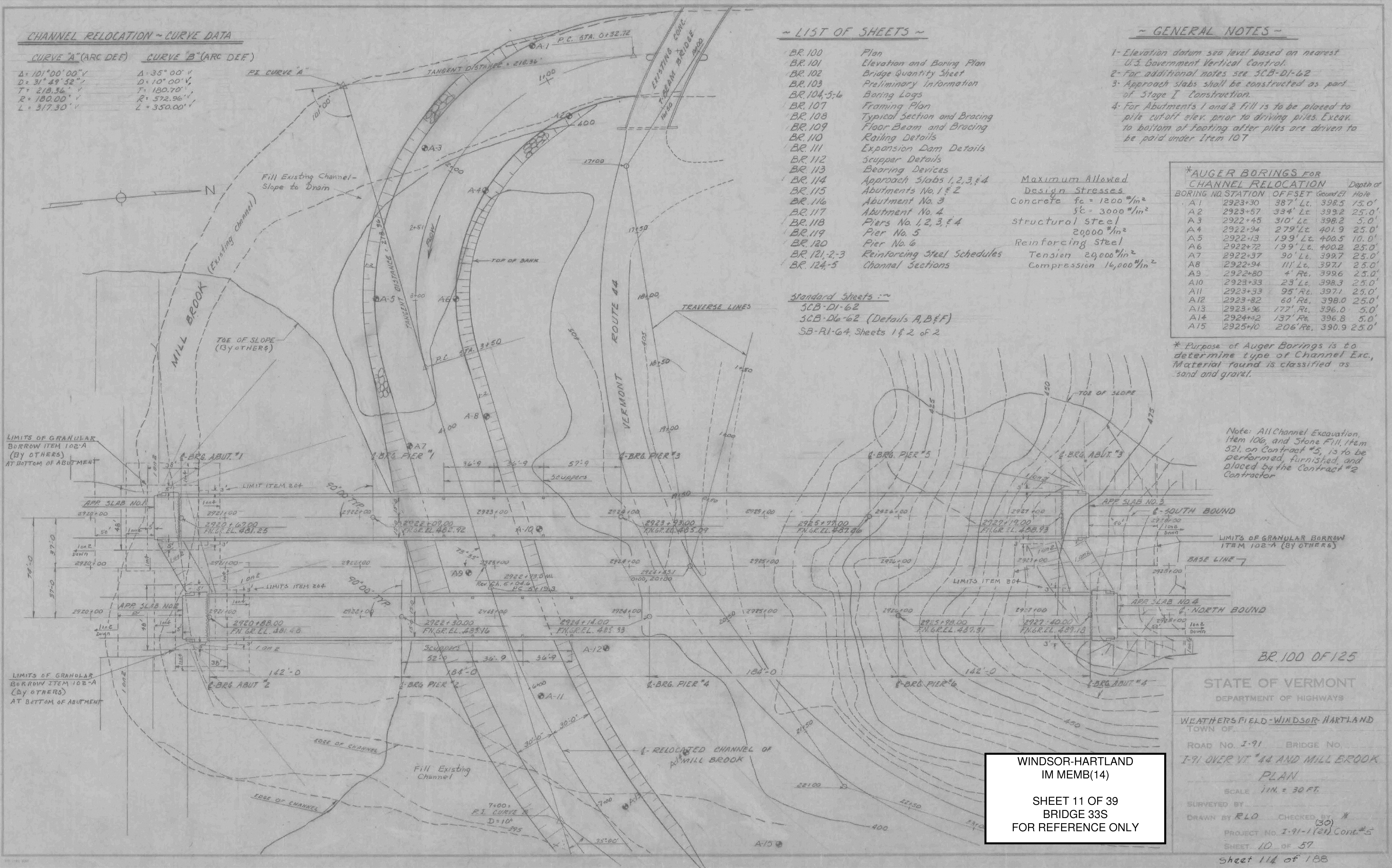
**\* AUGER BORINGS FOR CHANNEL RELOCATION**

BORING NO.	STATION	OFFSET	Ground	Depth of Hole
A1	2923+30	387' Lt.	398.5	15.0'
A2	2923+57	334' Lt.	399.2	25.0'
A3	2922+45	310' Lt.	398.2	5.0'
A4	2922+94	279' Lt.	401.9	25.0'
A5	2922+13	199' Lt.	400.5	10.0'
A6	2922+72	199' Lt.	400.2	25.0'
A7	2922+37	90' Lt.	399.7	25.0'
A8	2922+94	111' Lt.	397.1	25.0'
A9	2922+80	4' Rt.	399.6	25.0'
A10	2923+33	23' Lt.	398.3	25.0'
A11	2923+33	95' Rt.	397.1	25.0'
A12	2923+82	60' Rt.	398.0	25.0'
A13	2923+96	172' Rt.	396.0	5.0'
A14	2924+12	137' Rt.	396.8	5.0'
A15	2925+10	206' Rt.	390.9	25.0'

\* Purpose of Auger Borings is to determine type of Channel Exc. Material found is classified as sand and gravel.

Standard Sheets :-  
 3CB-DI-62  
 3CB-D6-62 (Details A, B, E, F)  
 SB-R1-64, Sheets 1 & 2 of 2

Note: All Channel Excavation, Item 106, and Stone Fill, Item 521, on Contract #5, is to be performed, furnished, and placed by the Contract #2 Contractor



BR.100 OF 125

STATE OF VERMONT  
 DEPARTMENT OF HIGHWAYS

WEATHERS FIELD - WINDSOR - HARTLAND  
 TOWN OF

ROAD NO. I-91 BRIDGE NO.  
 I-91 OVER VT 44 AND MILL BROOK

PLAN

SCALE 1/4" = 30 FT.

SURVEYED BY  
 DRAWN BY RLO CHECKED BY X

PROJECT NO. I-91-1(21) Cont. #5  
 SHEET 10 OF 57

Sheet 11 of 188

WINDSOR-HARTLAND  
 IM MEMB(14)  
 SHEET 11 OF 39  
 BRIDGE 333  
 FOR REFERENCE ONLY