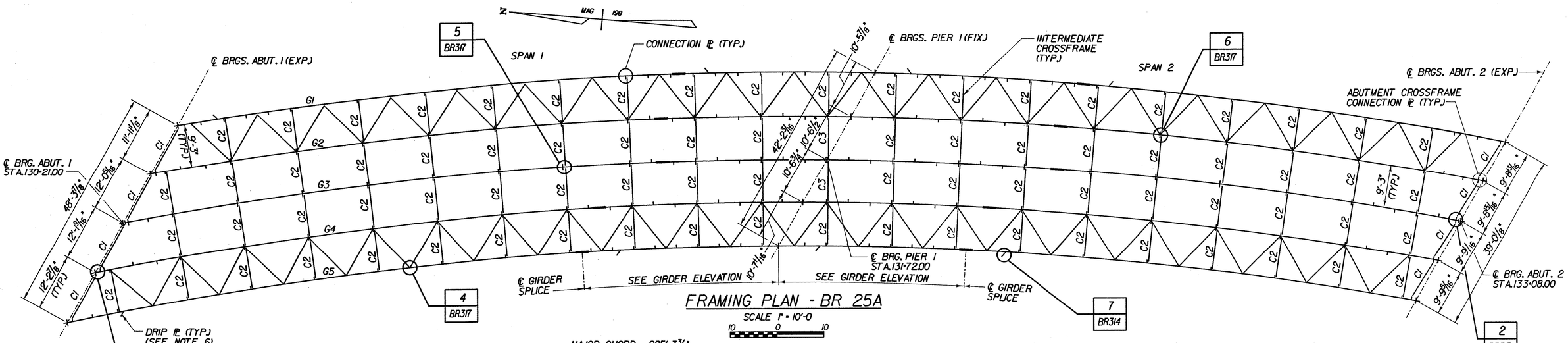
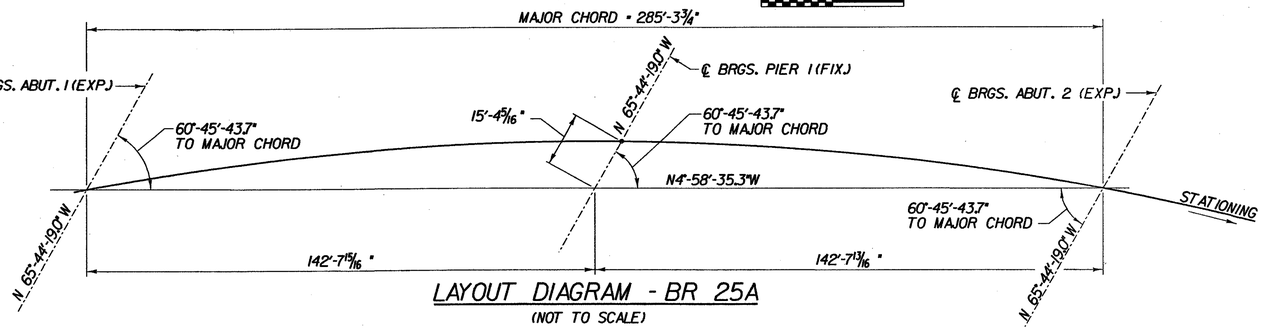


FRAMING PLAN - BR 25A

SCALE 1" = 10'-0



LAYOUT DIAGRAM - BR 25A

(NOT TO SCALE)

GIRDER NUMBER	GIRDER RADIUS	SIDE	SPAN 1 (ALONG ARC) BRG. STIFFENER/CONNECTION ℄ SPACING													TOTAL	SPAN 2 (ALONG ARC) BRG. STIFFENER/CONNECTION ℄ SPACING												TOTAL
G1	782.44	LEFT			9'-11 3/16"	14'-4 7/16"	14'-4 7/16"	14'-4 7/16"	14'-4 7/16"	14'-4 7/16"	14'-4 7/16"	14'-4 7/16"	14'-4 7/16"	14'-4 7/16"	10'-1"	149'-4 1/16"		4'-3 3/4"	14'-4 3/4"	14'-4 3/4"	14'-4 3/4"	14'-4 3/4"	14'-4 3/4"	14'-4 3/4"	14'-4 3/4"	14'-4 3/4"	15'-11 1/16"	135'-4 9/16"
		RIGHT																											
G2	773.19	LEFT			17'-3 9/16"	14'-2 7/8"	14'-2 7/8"	14'-2 7/8"	14'-2 7/8"	14'-2 7/8"	14'-2 7/8"	14'-2 7/8"	14'-2 7/8"	14'-2 7/8"	5'-0 5/8"	150'-1 3/16"		9'-2 1/16"	14'-2 11/16"	14'-2 11/16"	14'-2 11/16"	14'-2 11/16"	14'-2 11/16"	14'-2 11/16"	14'-2 11/16"	14'-2 11/16"	12'-8 11/16"	135'-8 3/16"
		RIGHT		3'-1 3/16"	14'-2 7/8"	14'-2 7/8"	14'-2 7/8"	14'-2 7/8"	14'-2 7/8"	14'-2 7/8"	14'-2 7/8"	14'-2 7/8"	14'-2 7/8"	14'-2 7/8"	5'-0 5/8"			9'-2 1/16"	14'-2 11/16"	14'-2 11/16"	14'-2 11/16"	14'-2 11/16"	14'-2 11/16"	14'-2 11/16"	14'-2 11/16"	14'-2 11/16"	12'-8 11/16"		
G3	763.94	LEFT		10'-8 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"		151'-0"		14'-0 5/8"	14'-0 5/8"	14'-0 5/8"	14'-0 5/8"	14'-0 5/8"	14'-0 5/8"	14'-0 5/8"	14'-0 5/8"	14'-0 5/8"	9'-6 1/4"	136'-0"
		RIGHT		10'-8 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"	14'-0 3/8"				14'-0 5/8"	14'-0 5/8"	14'-0 5/8"	14'-0 5/8"	14'-0 5/8"	14'-0 5/8"	14'-0 5/8"	14'-0 5/8"	14'-0 5/8"	9'-6 1/4"		
G4	754.69	LEFT		18'-4 3/8"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	8'-9 1/2"	151'-10 3/16"	5'-0 3/16"	13'-10 5/8"	13'-10 5/8"	13'-10 5/8"	13'-10 5/8"	13'-10 5/8"	13'-10 5/8"	13'-10 5/8"	13'-10 5/8"	13'-10 5/8"	6'-3 3/4"	136'-3 15/16"
		RIGHT	3'-1 3/16"	15'-3 3/16"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	13'-10 5/16"	8'-9 1/2"		5'-0 3/16"	13'-10 5/8"	13'-10 5/8"	13'-10 5/8"	13'-10 5/8"	13'-10 5/8"	13'-10 5/8"	13'-10 5/8"	13'-10 5/8"	13'-10 5/8"	6'-3 3/4"		
G5	745.44	LEFT	11'-0 5/16"	15'-0 5/16"	13'-8 1/4"	13'-8 1/4"	13'-8 1/4"	13'-8 1/4"	13'-8 1/4"	13'-8 1/4"	13'-8 1/4"	13'-8 1/4"	13'-8 1/4"	3'-6 7/16"		152'-10 3/16"	10'-1 7/8"	13'-8 9/16"	13'-8 9/16"	13'-8 9/16"	13'-8 9/16"	13'-8 9/16"	13'-8 9/16"	13'-8 9/16"	13'-8 9/16"	13'-8 9/16"	3'-1 3/16"	136'-8 1/16"
		RIGHT																											

CROSSFRAME LAYOUT TABLE - BR 25A

GIRDER NUMBER	SIDE	SPAN 1 (ALONG ARC) INTERMEDIATE STIFFENER ℄ SPACING FROM ℄ OF BEARING ABUT. 1											SPAN 2 (ALONG ARC) INTERMEDIATE STIFFENER ℄ SPACING FROM ℄ OF BEARING PIER 1										
G1	LEFT	4'-11 5/8"	14'-8 3/4"	19'-6 1/4"	100'-11 1/4"	105'-8 3/4"	115'-3 3/4"	120'-1 1/4"	129'-8 1/8"	134-5 5/8"	144-3 5/8"		9'-1 3/8"	13'-10 7/8"	23'-6"	37'-10 3/4"	42'-8 3/8"	124'-5"	129'-4 7/8"				
	RIGHT																						
G2	LEFT	6'-6"		107'-2 7/8"		121'-5 1/4"		135'-7 5/8"						13'-11"		28'-1 1/2"		127'-2 3/8"					
	RIGHT		11'-10 7/8"		111'-11 3/4"		126'-2"		140'-4 1/2"				4'-7"		18'-8"		32'-10 1/2"		131'-5 1/4"				
G3	LEFT		113'-7"		127'-7 1/2"		141'-7 7/8"						4'-8 1/8"		18'-9"		32'-9 1/2"		117'-1 1/4"		131'-2 7/8"		
	RIGHT	5'-4 1/4"		118'-3 1/8"		132'-3 5/8"		146'-4"						9'-4 3/8"		23'-5 1/8"		37'-5 5/8"		121'-9 1/2"			
G4	LEFT	9'-0 1/4"		106'-1 5/8"		120'-0 1/8"		133'-10 1/2"		147'-6"			9'-8 3/8"		23'-7"		120'-9 1/4"						
	RIGHT		14'-1 3/8"		110'-9 1/8"		124'-7 1/2"		138'-5 7/8"					14'-3 7/8"		28'-2 1/2"		125'-4 3/4"					
G5	LEFT	5'-6"	112'-9 3/4"	117'-4 1/2"	126'-6"	131'-0 3/4"	140'-2 1/4"	144'-9"					5'-6"	14'-8 3/4"	19'-3 5/8"	28'-5 1/4"	33'-0 1/8"						
	RIGHT																						

INTERMEDIATE STIFFENER LAYOUT TABLE - BR 25A

NOTES:

1. FOR WELDED PLATE GIRDER SEE BRIDGE SHEET BR312.
2. FOR FIELD SPLICE DETAILS, SEE TYPICAL GIRDER SPLICE DETAILS, BRIDGE SHEET BR315.
3. FOR CROSSFRAMES SEE TYPICAL CROSSFRAME DETAILS, BRIDGE SHEET BR316 AND BR317.
4. FOR CONNECTION PLATE DETAILS, SEE BRIDGE SHEET BR317.
5. GIRDER LAYOUT DIMENSIONS BEGIN AND END AT ABUTMENT CENTERLINES OF BEARING. LOCATIONS OF ABUTMENT CROSSFRAME CONNECTION PLATES NOT INCLUDED IN TABLE. THE CONTRACTOR SHALL PROVIDE THIS DIMENSION IN ACCORDANCE WITH DETAILS SHOWN IN TYPICAL PLATE GIRDER DETAILS. BRIDGE SHEETS BR312.
6. FOR DRIP PLATE DETAIL, SEE TYPICAL BRIDGE DETAILS, BRIDGE SHEET BR314.
7. INTERMEDIATE TRANSVERSE STIFFENERS LOCATIONS NOT SHOW IN TABLE, SEE FRAMING PLAN FOR LOCATION. SEE BR314 FOR SIZES
8. BEARING STIFFENER AND CONNECTION PLATE SPACING ± 1/8".

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of SEARSBURG	Bridge No. 25A
	Log Sta.
Highway No. VT. RTE. 9	Surv. Sta.
VT. RTE. 9 OVER DEERFIELD RIVER	
FRAMING PLAN - BR 25A	
Designed By D. VIENI	Drawn by J.LAGONE/K. DETRICK
Checked By M. OLSTAD Date 12/2001	Bridge Design Supervisor M. OLSTAD Date 12/2001
PROJECT SEARSBURG - WILMINGTON	PROJECT NO. NHF 010-1(18)
I.G.C. Info.	
Bridge Sheet No. BR311	Sheet 175 OF 435

CLOUGH, HARBOUR & ASSOCIATES LLP
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11 WINNERS CIRCLE ALBANY, NEW YORK, 12205

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