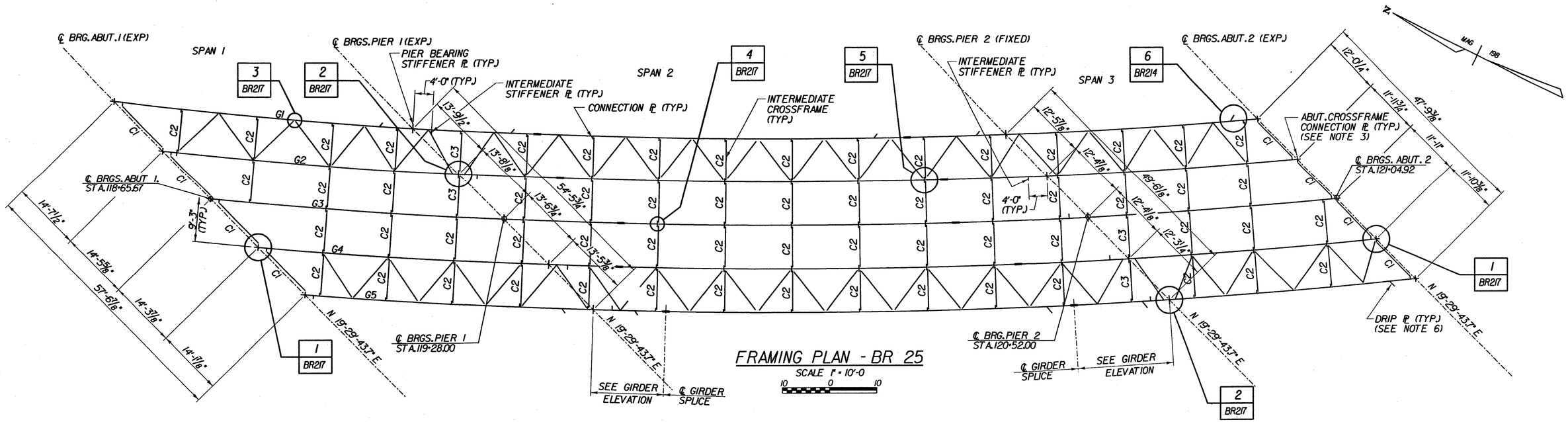
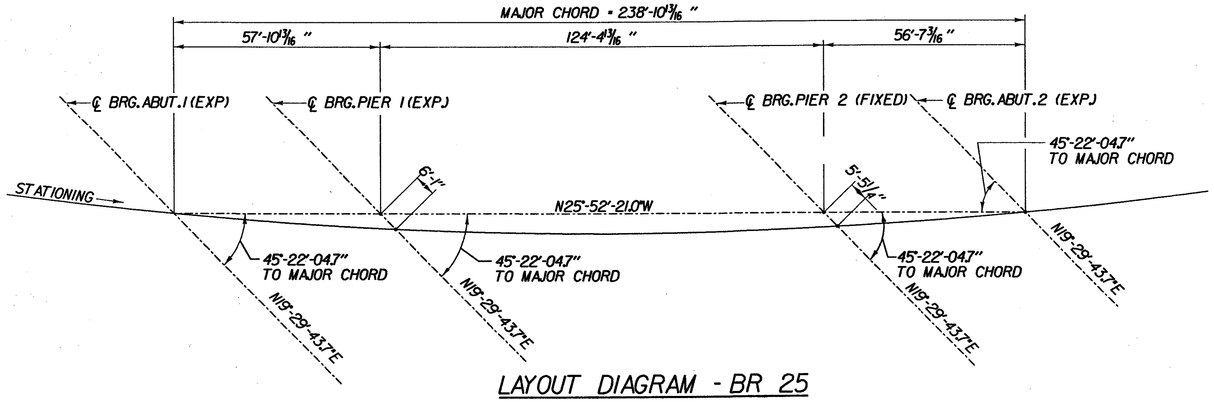


FRAMING PLAN - BR 25

SCALE 1" = 10'-0



LAYOUT DIAGRAM - BR 25

(NOT TO SCALE)

NOTES:

1. FOR WELDED PLATE GIRDER, SEE DETAILS, BRIDGE SHEET BR212.
2. FOR FIELD SPLICE, SEE TYPICAL GIRDER SPLICE DETAILS, BRIDGE SHEET BR215 AND BR215A.
3. FOR CROSSFRAMES, SEE TYPICAL CROSSFRAME DETAILS, BRIDGE SHEETS BR216 AND BR217.
4. FOR CONNECTION PLATE DETAILS, SEE BRIDGE SHEET BR214.
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 BR212, BR214 AND BR216.
6. INTERMEDIATE TRANSVERSE STIFFENERS LOCATIONS NOT SHOWN IN TABLE. SEE FRAMING PLAN FOR LOACTION. SEE BRIDGE SHEET BR214 FOR SIZE.
7. FOR DRIP PLATE DETAIL, SEE GIRDER DETAILS, BRIDGE SHEET BR214.

BEARING STIFFENER AND CONNECTION PLATE SPACING 1/8":.

GRIDER NUMBER	GIRDER RADIUS	SIDE	SPAN 1 (ALONG ARC) BRG. STIFFENER/CONNECTION PL SPACING								SPAN 1 TOTAL
G1	1254.74'	LEFT									63'-6 3/4"
		RIGHT	14'-3 9/16"	16'-1 1/8"	16'-1"	13'-7 13/16"	3'-5 1/4"				
G2	1263.99'	LEFT	3'-0 5/16"	16'-2 9/16"	16'-2 7/16"	13'-9"	13'-8 7/8"				62'-11 3/16"
		RIGHT	3'-0 5/16"	16'-2 9/16"	16'-2 7/16"	13'-9"	13'-8 7/8"				
G3	1273.24'	LEFT		8'-2 1/2"	16'-3 7/16"	13'-10 3/16"	13'-10 1/8"	10'-1 5/16"			62'-3 15/16"
		RIGHT			24'-6 5/16"	13'-10 3/16"	13'-10 3/16"	10'-1 5/16"			
G4	1282.49'	LEFT			13'-8 3/4"	13'-11 3/8"	13'-11 5/16"	14'-3 15/16"	5'-9 11/16"		61'-9/16"
		RIGHT			13'-8 3/4"	13'-11 3/8"	13'-11 5/16"	14'-3 15/16"	5'-9 11/16"		
G5	1291.74'	LEFT			3'-0 1/2"	14'-0 5/8"	14'-0 1/2"	14'-5 3/16"	14'-5 3/16"	1'-2 9/16"	61'-2 1/2"
		RIGHT									

GRIDER NUMBER	SIDE	SPAN 2 (ALONG ARC) BRG. STIFFENER/CONNECTION PL SPACING												SPAN 2 TOTAL
G1	LEFT	10'-2 3/8"	14'-0 3/16"	14'-0 3/16"	14'-0 3/16"	14'-0 3/16"	14'-0 3/16"	14'-0 3/16"	14'-0 3/16"	14'-0 3/16"	3'-5 11/16"			125'-9 3/16"
	RIGHT													
G2	LEFT		14'-1 7/16"	14'-1 7/16"	14'-1 7/16"	14'-1 7/16"	14'-1 7/16"	14'-1 7/16"	14'-1 7/16"	14'-1 7/16"	11'-11"			124'-10 11/16"
	RIGHT		14'-1 7/16"	14'-1 7/16"	14'-1 7/16"	14'-1 7/16"	14'-1 7/16"	14'-1 7/16"	14'-1 7/16"	14'-1 7/16"	11'-11"			
G3	LEFT		4'-1 3/8"	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"	6'-1"		124'-0"
	RIGHT		4'-1 3/8"	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"	6'-1"		
G4	LEFT			8'-6 1/4"	14'-3 15/16"	14'-3 15/16"	14'-3 15/16"	14'-3 15/16"	14'-3 15/16"	14'-3 15/16"	14'-3 15/16"	14'-3 15/16"		123'-1 13/16"
	RIGHT			8'-6 1/4"	14'-3 15/16"	14'-3 15/16"	14'-3 15/16"	14'-3 15/16"	14'-3 15/16"	14'-3 15/16"	14'-3 15/16"	14'-3 15/16"		
G5	LEFT				13'-2 5/8"	14'-5 3/16"	14'-5 3/16"	14'-5 3/16"	14'-5 3/16"	14'-5 3/16"	14'-5 3/16"	14'-5 3/16"	8'-1 1/8"	122'-4 1/16"
	RIGHT													

GRIDER NUMBER	SIDE	SPAN 3 (ALONG ARC) BRG. STIFFENER/CONNECTION PL SPACING						SPAN 3 TOTAL
G1	LEFT	10'-6 1/2"	14'-0 3/16"	12'-11 5/8"	12'-11 1/2"	3'-0 1/8"		53'-6"
	RIGHT							
G2	LEFT	2'-2 7/16"	14'-1 7/16"	13'-0 3/4"	13'-0 5/8"	10'-9 1/8"		53'-2 1/2"
	RIGHT	2'-2 7/16"	14'-1 7/16"	13'-0 3/4"	13'-0 5/8"	10'-9 1/8"		
G3	LEFT		8'-1 11/16"	13'-1 5/16"	13'-1 3/16"	18'-5 5/8"		52'-11 1/16"
	RIGHT		8'-1 11/16"	13'-1 5/16"	13'-1 3/16"	15'-5 5/8"	3'-0"	
G4	LEFT			13'-3 1/16"	13'-2 15/16"	15'-7"	10'-6 3/4"	52'-7 13/16"
	RIGHT			13'-3 1/16"	13'-2 15/16"	15'-7"	10'-6 3/4"	
G5	LEFT			5'-3 1/8"	13'-4 1/16"	15'-8 5/16"	18'-1 1/16"	52'-4 9/16"
	RIGHT							

CROSSFRAME LAYOUT TABLE - BR 25

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of	SEARSBURG	Bridge No. 25	
Highway No.	VT. RTE. 9	Log Sta. / Surv. Sta.	
VT. RTE. 9 OVER DEERFIELD RIVER			
FRAMING PLAN - BR 25			
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. BR211		Sheet 137 OF 435	

CHA CLOUGH, HARBOUR & ASSOCIATES LLP
ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS
11 WINNERS CIRCLE ALBANY, NEW YORK, 12205

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