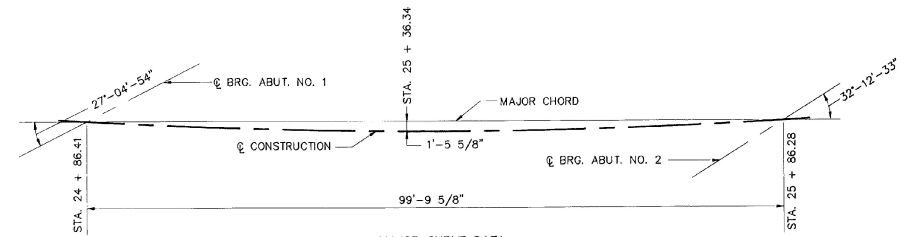
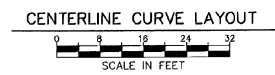


GIRDER DIMENSIONS				
GDR. NO.	SPAN	ANGLE 'A'	ANGLE 'B'	DIMEN. 'C' (SEE NOTE 11)
G1	99'-11 5/8"	24°-47'-32"	29°-55'-11"	0'-11 5/8"
G2	99'-10 3/4"	25°-42'-07"	30°-49'-46"	1'-0"
G3	99'-10 3/8"	26°-36'-46"	31°-44'-25"	1'-0 1/4"
G4	99'-10 1/8"	27°-31'-26"	32°-39'-05"	1'-0 1/4"
G5	99'-10 1/4"	28°-26'-07"	33°-33'-46"	1'-0 1/4"
G6	99'-10 3/4"	29°-20'-45"	34°-28'-25"	1'-0"



MAJOR CURVE DATA  
 L = 99.87'  
 R = 848.83'  
 Δ = 06°-44'-28"



DIAPHRAGM DIMENSIONS (LENGTH = C-C GIRDERS)										
GDR. NO.	1st INTERIOR		2nd INTERIOR		3rd INTERIOR		4th INTERIOR		5th INTERIOR	
	LENGTH	ANGLE W/GDR.	LENGTH	ANGLE W/GDR.	LENGTH	ANGLE W/GDR.	LENGTH	ANGLE W/GDR.	LENGTH	ANGLE W/GDR.
G1	8'-6 1/4"	87°-40'-37"	6'-10 1/8"	87°-45'-59"	7'-2 1/8"	87°-50'-39"	7'-6"	87°-55'-18"	7'-10"	87°-59'-23"
G2	6'-8 3/4"	89°-19'-35"	7'-0 3/4"	88°-22'-59"	7'-4 5/8"	88°-26'-05"	7'-8 5/8"	88°-28'-55"	8'-0 1/2"	88°-31'-31"
G3	6'-11 3/8"	89°-05'-10"	7'-3 1/4"	89°-06'-25"	7'-7 1/4"	89°-05'-20"	7'-11 1/8"	89°-08'-35"	8'-3 1/8"	89°-09'-33"
G4	7'-1 7/8"	90°-04'-21"	7'-5 3/4"	90°-02'-57"	7'-9 5/8"	90°-01'-41"	8'-1 5/8"	90°-00'-31"	8'-5 5/8"	89°-59'-26"
G5	7'-4 3/8"	91°-14'-41"	7'-8 3/8"	91°-10'-20"	8'-0 1/4"	91°-06'-20"	8'-4 1/4"	91°-02'-39"	8'-8 1/8"	90°-59'-15"

- NOTES :**
1. ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GR. 50W EXCEPT AS NOTED.
  2. GIRDERS SHALL BE CAMBERED AS SHOWN IN THE CAMBER DIAGRAM ON SHEET BR214.
  3. ALL BEARING STIFFENERS SHALL BE PLUMB.
  4. GIRDERS SHALL BE FABRICATED SO THAT, UNDER FULL DEAD LOAD, THE ENDS WILL BE VERTICAL.
  5. CONTACT SURFACES OF BOLTED CONNECTIONS SHALL BE BLAST CLEANED IF RUSTED BEFORE CONNECTION IS MADE.
  6. TOP OF STUDS SHALL EXTEND ABOVE BOTTOM LAYER OF DECK REINFORCEMENT.
  7. IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 714.03 THE STRUCTURAL STEEL SHALL BE TESTED FOR IMPACT PROPERTIES BY THE CHARPY V-NOTCH TEST.
  8. FOR SCUPPER LOCATION AND DETAILS, SEE SHEET BR209.
  9. FOR GIRDER ELEVATION AND DETAILS, SEE SHEET BR214.
  10. FOR DIAPHRAGM DETAILS, SEE SHEET BR215.
  11. FOR LOCATION OF DIMENSION "C", SEE GIRDER ELEVATION, SHEET BR214.

**B-J** BARNES AND JARNIS, INC.  
 CONSULTING ENGINEERS  
 25 STUART STREET, 6TH FL.  
 BOSTON, MASSACHUSETTS

**STATE OF VERMONT  
 AGENCY OF TRANSPORTATION**

Town Of **WALLINGFORD** Bridge No. **20**  
 Highway No. **U.S. ROUTE 7** Log Sta. \_\_\_\_\_  
 Surv. Sta. \_\_\_\_\_  
**U.S. ROUTE 7 OVER RAILROAD**  
**FRAMING PLAN**

Designed By **GRI** Drawn By **R.J.L.**  
 Checked By \_\_\_\_\_ Date \_\_\_\_\_ Bridge Design Supervisor \_\_\_\_\_  
 EMM **4/95** EMM Date **4/95**

PROJECT **WALLINGFORD** PROJECT NO. **BR5 0137 (13)**  
 I.G.C. Info. \_\_\_\_\_  
 Bridge Sheet No. **BR213** Sheet **73** of **113**