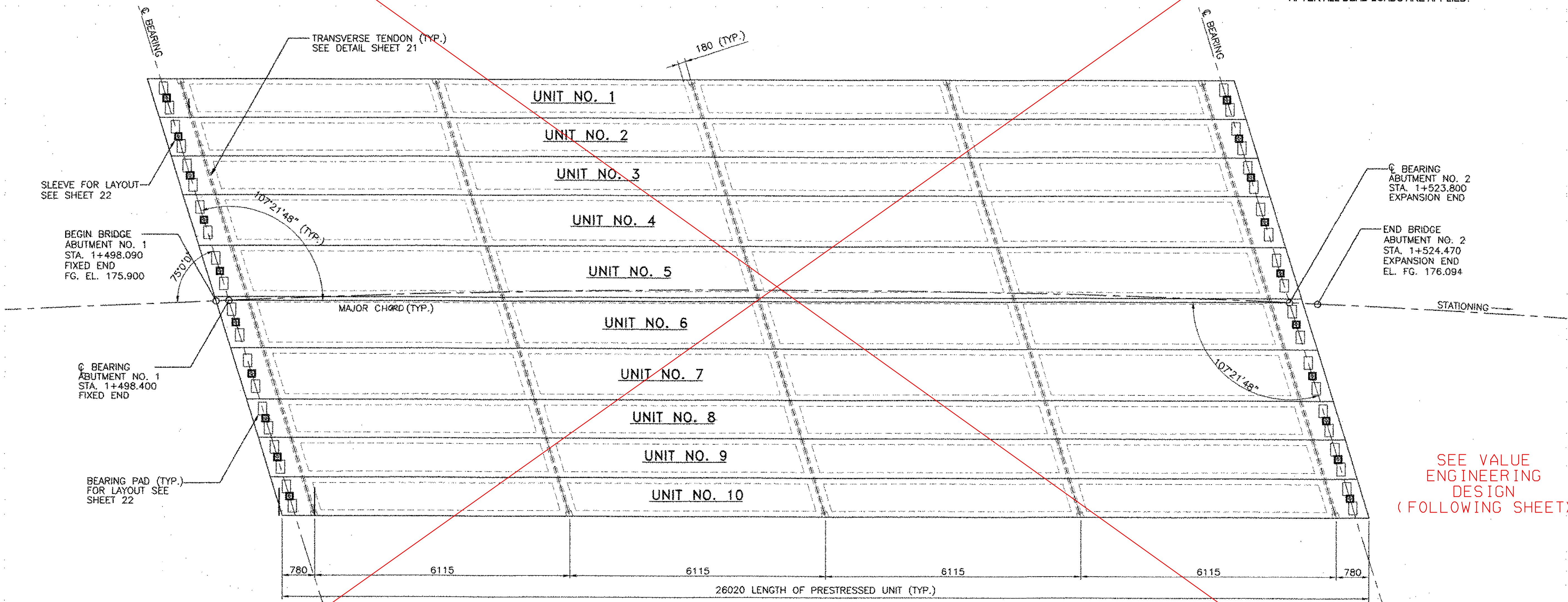


PRESTRESSED BOX BEAM UNIT ELEVATION

SCALE 1:50

NOTES:

- BOX BEAMS SHALL HAVE POSITIVE CAMBER AFTER ALL DEAD LOADS ARE APPLIED.



SERVICE LOADS PER UNIT (UNIT NO. 1, 2, 3, 8, 9 AND 10)

MEMBER MOMENT, kNm (NON-COMPOSITE)	834	AT MIDSPAN
DECK MOMENT, kNm (NON-COMPOSITE)	361	AT MIDSPAN
SUPERIMPOSED DEAD LOAD MOMENT, kNm (COMPOSITE)	197	AT MIDSPAN
LIVE LOAD + IMPACT MOMENT, kNm (POSITIVE)	748	AT MIDSPAN
DEAD LOAD REACTION, kN AT ABUTMENTS	231	N/A
LIVE LOAD REACTION, kN AT ABUTMENTS	129	N/A
TOTAL REACTION, kN AT ABUTMENTS	360	N/A

SERVICE LOADS PER UNIT (UNIT NO. 4, 5, 6, AND 7)

MEMBER MOMENT, kNm (NON-COMPOSITE)	995	AT MIDSPAN
DECK MOMENT, kNm (NON-COMPOSITE)	479	AT MIDSPAN
SUPERIMPOSED DEAD LOAD MOMENT, kNm (COMPOSITE)	233	AT MIDSPAN
LIVE LOAD + IMPACT MOMENT, kNm (POSITIVE)	748	AT MIDSPAN
DEAD LOAD REACTION, kN AT ABUTMENTS	276	N/A
LIVE LOAD REACTION, kN AT ABUTMENTS	129	N/A
TOTAL REACTION, kN AT ABUTMENTS	405	N/A

PRESTRESSED BOX BEAM UNIT PLAN

SCALE 1:50

NOTES:

- UNIT NO. 1, 2, 3, 8, 9, AND 10 ARE 914 WIDE x 990 DEEP
- UNIT NO. 4, 5, 6 AND 7 ARE 1220 WIDE x 990 DEEP
- SEE SHEET 18 FOR MORE DETAIL AT ABUTMENTS
- PROVIDE 20 dia. WEEP HOLE AT BOTH ENDS OF ALL VOIDS

REVISIONS		
NO.	DESCRIPTION	BY & DATE

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

CLARENDON, VERMONT	Bridge No. 14
TOWN HIGHWAY NO. 1	Log Sta.
TOWN HIGHWAY NO. 1 OVER THE COLD RIVER	
PRESTRESSED UNIT DETAILS	
Designed by: B. C. AUSTIN	Drawn by: E. B. SMALL
Checked by: K. S. MARSHIA date 05/02	Bridge Design Supervisor J.W. TUCKER date 05/02
PROJECT CLARENDON	PROJECT NO. BRO 1443(29)
Bridge Sheet No.	SHEET 20 OF 41