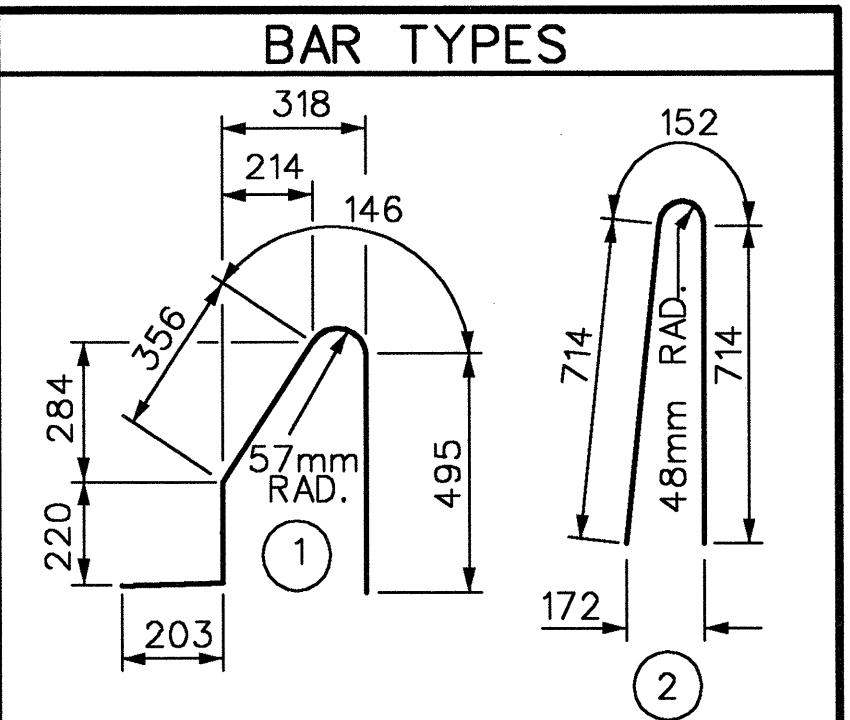


NOTES

THE BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 20.7 MPa.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.
 VERTICAL GROOVED CONTRACTION JOINTS, 12mm IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 6.1m IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 3.5m IN LENGTH.



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

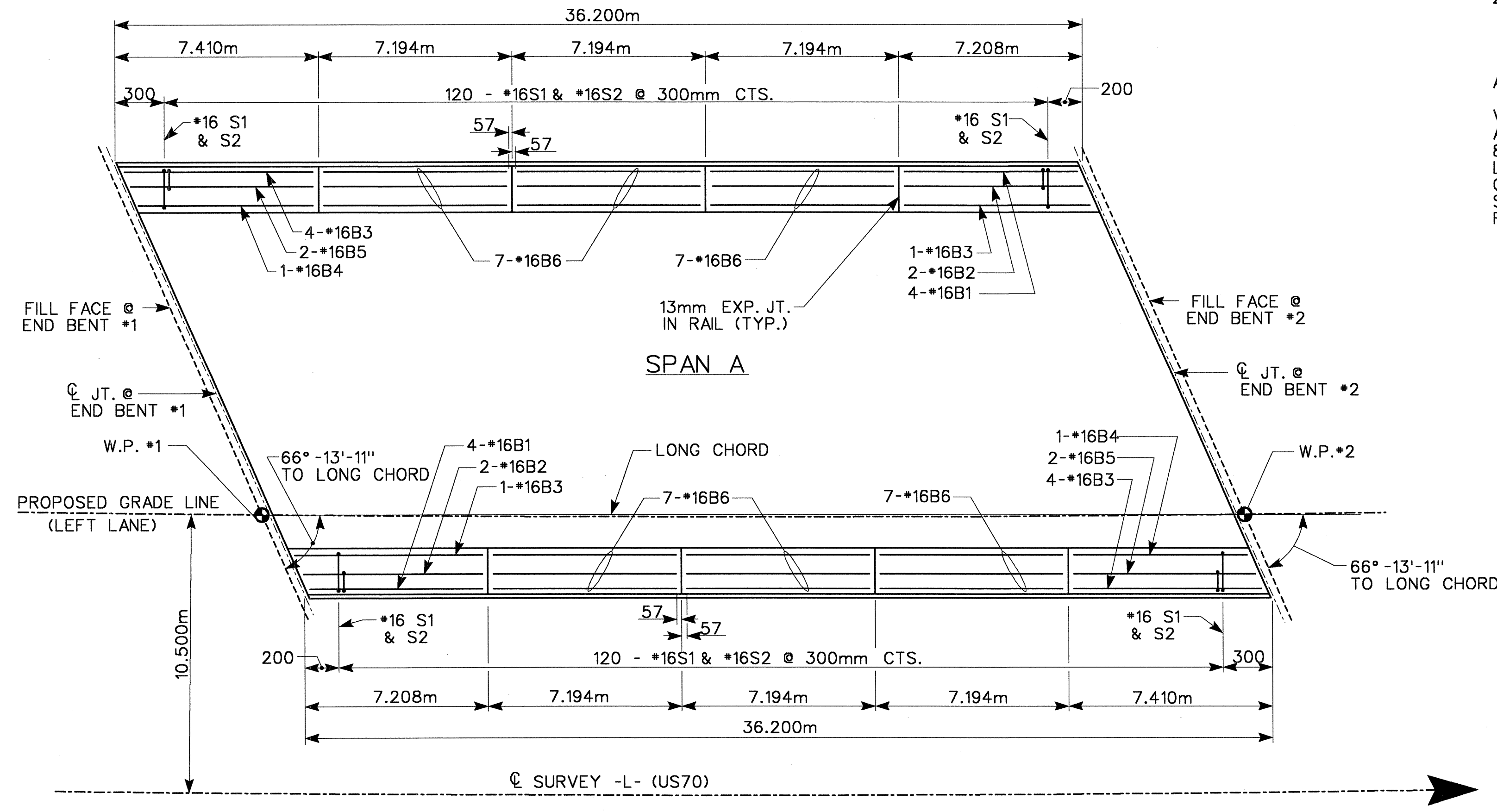
FOR CONCRETE BARRIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* S1	240	*16	1	1420	529
* S2	240	*16	2	1580	589
* B1	8	*16	STR	7120	88
* B2	4	*16	STR	7160	44
* B3	10	*16	STR	7240	112
* B4	2	*16	STR	7100	22
* B5	4	*16	STR	7180	45
* B6	42	*16	STR	7080	462

*EPOXY COATED REINFORCING STEEL 1891 kg

CLASS AA CONCRETE 18.21 CU. METER

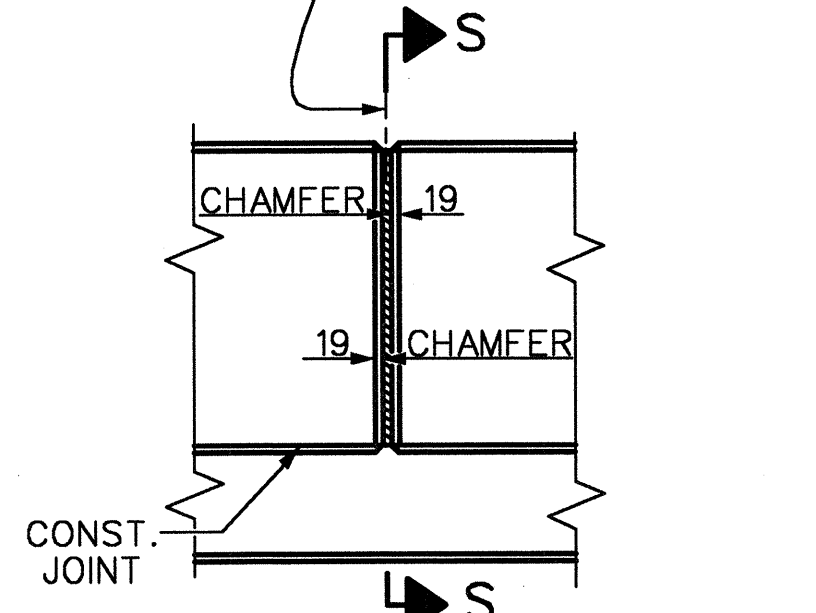
CONCRETE BARRIER RAIL 72.400 METERS



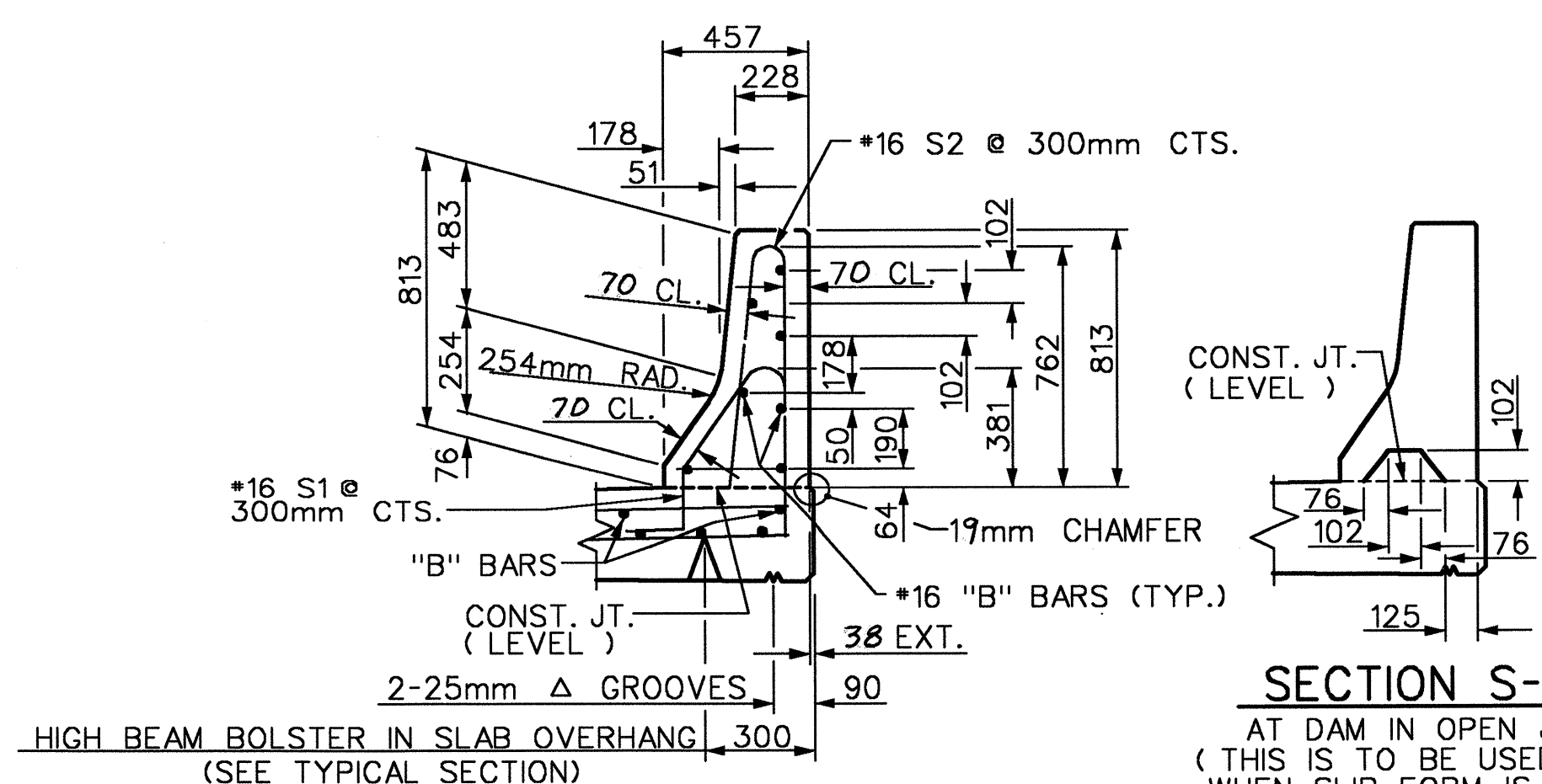
PLAN

NOTE: DISTANCES ARE MEASURED ALONG OUTSIDE FACE OF BARRIER RAIL.

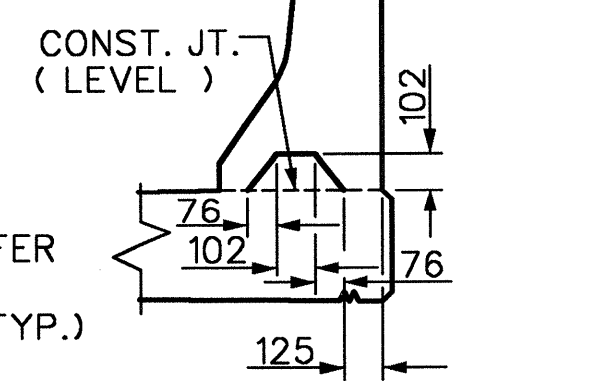
13mm EXP. JT. MAT'L HELD IN PLACE WITH GALVANIZED NAILS. (NOTE: OMIT EXP. JT. MAT'L WHEN SLIP FORM IS USED.)



ELEVATION AT EXPANSION JOINTS



SECTION THRU RAIL



SECTION S-S

AT DAM IN OPEN JOINT (THIS IS TO BE USED ONLY WHEN SLIP FORM IS USED)

BARRIER RAIL DETAILS

ASSEMBLED BY : SD	DATE : 8/03
CHECKED BY : JL	DATE : 9/03
DRAWN BY : ARB 5/87	REV. 8/16/99 RWW/LES
CHECKED BY : SJD 9/87	REV. 10/17/00 RWW/LES
	REV. 5/7/03 RWW/JTE

THIS STANDARD DRAWING REVIEWED AND ADAPTED FOR USE AT THE REFERENCED LOCATION BY THE UNDERSIGNED.

PROJECT NO. R-2552B
 JOHNSTON COUNTY
 STATION: 78+35.547 -L-
12+97.374 -Y10-

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 STANDARD
CONCRETE BARRIER RAIL
 (LEFT LANE)

REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS 431