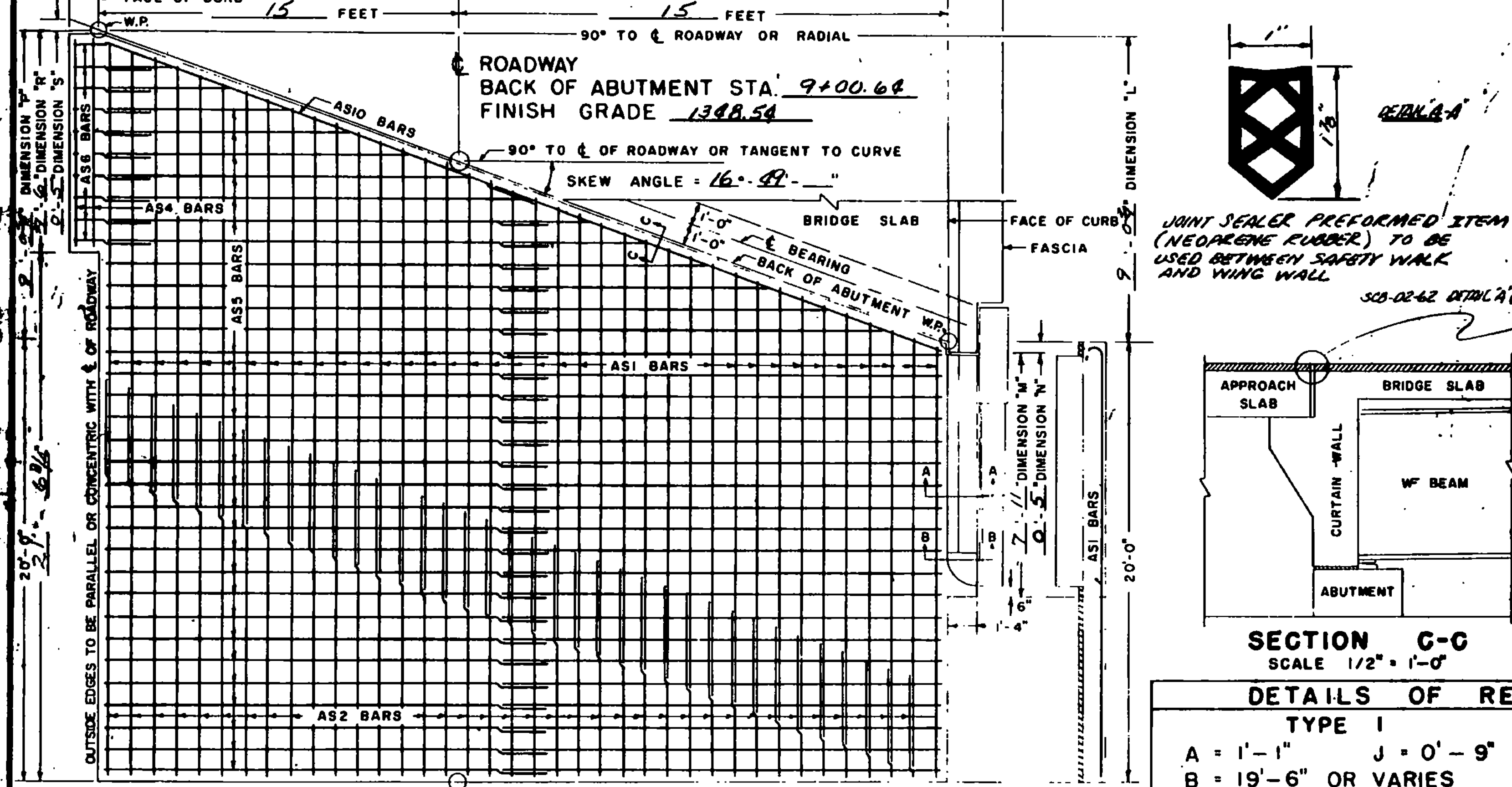
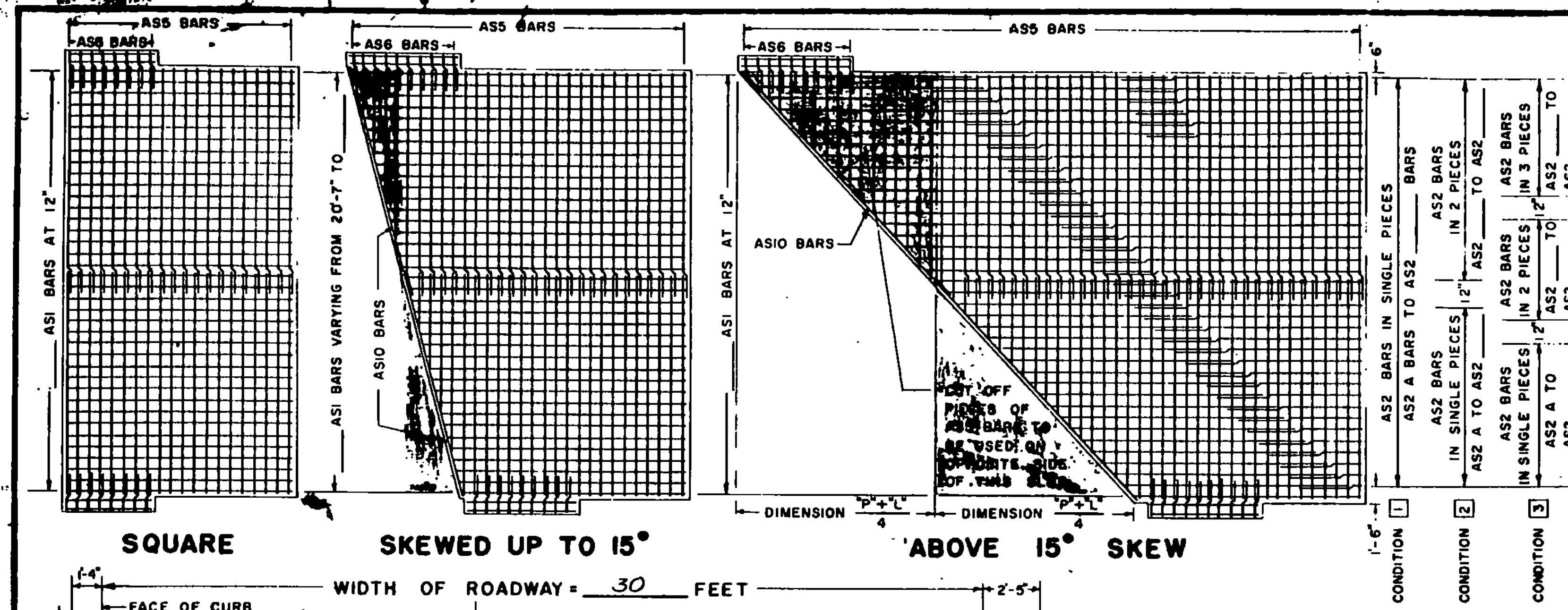


REVISIONS AND CORRECTIONS		APPROVED	
Required Joint Filler Item 323	6-21-63 M	DRAWN BY:	R.S. HAUP T NOV. 1960
		TRACED BY:	R.S. HAUP T NOV. 1960
		CHECKED BY:	A.H. SMALLEY NOV. 1960
Recommended For Approval	12/7/62	Bridge Engineer	Date
Recommended For Approval	1/4/63	Asst. Chief Engineer	Date
Approved By	1/4/63	Chief Engineer	Date

DETAILS OF APPROACH SLAB NO. 1

FOR 30 FOOT BRIDGE

TO BE USED FOR BRIDGE AT STATION 8+76.11

LOCATION BRANCH BROOK

STATE OF VERMONT

DEPARTMENT OF HIGHWAYS

STANDARD STRUCTURE

SB-AS-60

SHEET 20 OF 41

TOWN OF MT. HOLLY

ROUTE NO. VT #10

LOG STA. 5+39

SCALE AS NOTED

DESIGNED BY S.H.S. CHECKED

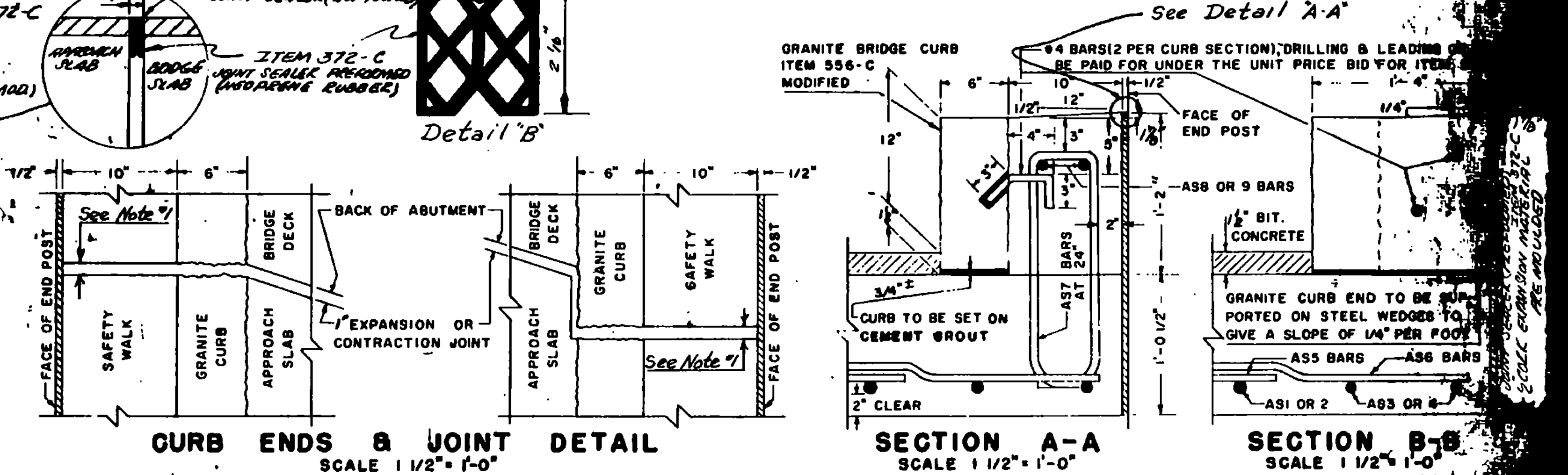
PROJECT NO. 100-100

30' ROADWAY					38' ROADWAY					42' ROADWAY					44' ROADWAY					ROADWAY																
NO.	PIECES	SIZE	LENGTH	MARK	TYPE	REMARKS	NO.	PIECES	SIZE	LENGTH	MARK	TYPE	REMARKS	NO.	PIECES	SIZE	LENGTH	MARK	TYPE	REMARKS	NO.	PIECES	SIZE	LENGTH	MARK	TYPE	REMARKS	NO.	PIECES	SIZE	LENGTH	MARK	TYPE	REMARKS		
SQUARE OR SKEWED							SQUARE OR SKEWED							SQUARE OR SKEWED							SQUARE OR SKEWED							SQUARE OR SKEWED								
2	10	7'-5"	AS3	STR.			2	10			AS3	STR.		2	10			AS3	STR.		2	10			AS3	STR.		2	10			AS3	STR.			
2	10	7'-5"	AS4	STR.			2	10			AS4	STR.		2	10			AS4	STR.		2	10			AS4	STR.		2	10			AS4	STR.			
16	5	3'-6"	AS6	STR.				5	3'-6"			AS6	STR.			5	3'-6"			AS6	STR.			5	3'-6"			AS6	STR.			5	3'-6"			
10	5	5'-0"	AS7	S6				5	5'-0"			AS7	S6				5	5'-0"			AS7	S6			5	5'-0"			AS7	S6			5	5'-0"		
2	5	5'-0"	AS8	STR.			2	5				AS8	STR.		2	5				AS8	STR.		2	5				AS8	STR.		2	5			AS8	STR.
2	5	5'-0"	AS9	STR.			2	5				AS9	STR.		2	5				AS9	STR.		2	5				AS9	STR.		2	5			AS9	STR.
SQUARE							SQUARE							SQUARE							SQUARE							SQUARE								
30	10	20'-7"	AS1	I			38	10	20'-7"	AS1	I			42	10	20'-7"	AS1	I			44	10	20'-7"	AS1	I				10	20'-7"	AS1	I				
20	5	29'-6"	AS5	STR.			40	5	19'-9"	AS5	STR.			40	5	21'-9"	AS5	STR.			40	5	22'-9"	AS5	STR.				5		AS5	STR.				
SKEWED UP TO 15°							SKEWED UP TO 15°							SKEWED UP TO 15°							SKEWED UP TO 15°							SKEWED UP TO 15°								
30	10		AVE. AS1	I	I		38	10		AVE. AS1	I	I		42	10		AVE. AS1	I	I		44	10		AVE. AS1	I	I			10		AVE. AS1	I	I			
	5	29'-6"	AS5	STR.	2.			5	19'-9"	AS5	STR.	3.			5	21'-9"	AS5	STR.	3.			5	22'-9"	AS5	STR.	3.			5		AS5	STR.	2.			
ALL SKEWED SPANS							ALL SKEWED SPANS							ALL SKEWED SPANS							ALL SKEWED SPANS							ALL SKEWED SPANS								
2	5	30'-10"	AS10	STR.				5			AS10	STR.			5			AS10	STR.			5			AS10	STR.			5			AS10	STR.			
ABOVE 15° SKEW							ABOVE 15° SKEW							ABOVE 15° SKEW							ABOVE 15° SKEW							ABOVE 15° SKEW								
30	10	25'-1"	AVE. AS1	I	I		38	10	20'-7"	AS1	I			42	10	20'-7"	AS1	I			44	10	20'-7"	AS1	I				10	20'-7"	AS1	I				
	5	29'-6"	AS5	STR.	4.		37	10		AVE. AS2	STR.	4.		41	10		AVE. AS2	STR.	4.		43	10		AVE. AS2	STR.	4.			10		AVE. AS2	STR.	4.			
25	5	29'-6"	AS3	STR.	2.			5	19'-9"	AS5	STR.	3.			5	21'-9"	AS5	STR.	3.			5	22'-9"	AS5	STR.	3.			5		AS5	STR.	3.			

REMARKS: 1. ASI BAR & DIMENSION VARIES FROM 15'-6" TO 28'-6" 2. 20 + DIMENSION (P+L) ÷ 4 (IN FEET) • NUMBER OF PIECES. CUT BARS IN THE FIELD USING CUT OFF PIECES ON OPPOSITE HALF OF SLAB. 3. 40 + DIMENSION (P+L) ÷ 2 (IN FEET) • NUMBER OF PIECES. CUT BARS IN THE FIELD USING CUT OFF PIECES ON OPPOSITE HALF OF SLAB. 4. THE LENGTH OF AS2 BARS VARIES FROM 15'-6" TO 28'-6". THE AS2 BARS MAY BE DIVIDED INTO TWO OR MORE PIECES, AS MAY BE NECESSARY, TO LIMIT THE MAXIMUM BAR LENGTH TO 30 FEET. THE LOCATION OF SPLICES IS LEFT TO THE OPTION OF THE DESIGNER. THE NO. PIECES SHOWN ARE FOR CONDITION 1. (FOR CONDITION 2 & 3. SEE REINF. SCHEDULE.)

GENERAL NOTES: ALL REINFORCING STEEL SHALL BE DETAILED ON THE REINFORCING STEEL SCHEDULE. WHEN A BAR LENGTH VARIES IN INCREMENTS EACH BAR MUST BE DETAIL. SPLICES SHALL BE 2'-1" FOR NUMBER 5 BARS, AND 4'-3" FOR NUMBER 10 BARS. ALL WORK AND MATERIALS SHALL CONFORM TO THE STATE OF VERMONT, DEPARTMENT OF HIGHWAYS, STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION DATED JANUARY 1956, AND THE A.A.S.H.O. SPECIFICATIONS DATED 1962. DESIGNED FOR NO. 10 BARS.

Note #1: Use Item 372-C Detail 'B' for joint in curb. Omit the Hot Poured Sealer, and place the material flush with the surfaces.



QUANTITY COMPUTATION	
W = WIDTH OF ROADWAY	W = 30
Z = 20 + DIMENSION (P+L) ÷ 4	Z = 24.53
T = DIMENSION (P+L) ÷ 2	T = 7.71
BITUMINOUS CONCRETE • W × Z × 0.0092 = TONS	
30 × 24.53 × 0.0092 = 7 TONS	
TAR EMULSION • W × Z × 0.0444 = GALLONS	
30 × 24.53 × 0.0444 = 33 GALLONS	
CONCRETE CLASS B • W × Z × 0.0386 + T × 0.1029 + (T - 1.8333) × 0.0733 = CUBIC YARDS	
[30 × 24.53 × 0.0386] + [7.71 × 0.1029] + [7.71 - 1.8333] × 0.0733 = 30 CUBIC YARDS	
GRANITE BRIDGE CURB • 2(T + 0'-3") × LINEAR FEET	
2(7.71 + 0.25) × 16 = 16 LINEAR FEET	
BAR LENGTHS: ASI BARS • DIMENSION "M" - 0'-6"	
AS4 BARS • DIMENSION "R" - 0'-6"	
AS6 BARS • 3'-6"	
AS7 BARS • 5'-0"	
AS8 BARS • DIMENSION "M" - 2'-2"	
AS9 BARS • DIMENSION "R" - 2'-2"	

F-DECK (22)S, BR.#33

THIS SHEET FOR INFORMATION ONLY

* Denotes one extra bar added for testing purposes