

S. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-225-1 (23)	17	128

SPECIFICATIONS
 Design - AASHTO Standard Specifications for Highway Bridges 1969 and Interim Specifications 1970 & 1971
 Contract - State of Maine, State Highway Commission, Standard Specifications, Highways & Bridges, Revision of June 1968.

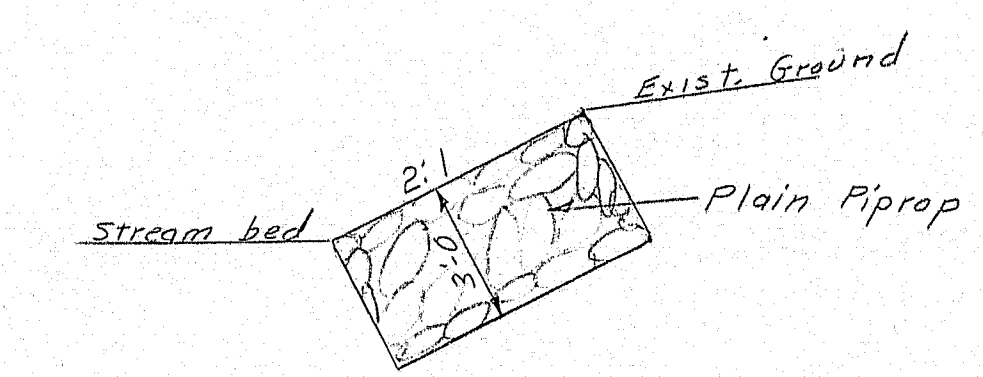
LIVE LOADING
 HS 20-44

MATERIALS
 Concrete - Abutments - Class B
 Superstructure - Class A
 Reinforcing Steel - ASTM A615 Grade 60

BASIC ALLOWABLE STRESSES
 Concrete - $f_c = 1200$ psi $n = 10$
 Reinforcing Steel - $f_s = 24,000$ psi

HYDROLOGY
 Drainage Area = 1.4 sq. mi.
 $Q_{50} = 585$ c.f.s.
 Velocity = 6 ft./s.

PI = 70+21.85'
 $\Delta = 35^\circ 52' 11''$ LT.
 $D = 3^\circ 00' 00''$
 $T = 618.15'$
 $L = 108.66'$
 $E = 97.55'$
 $R = 1909.86'$

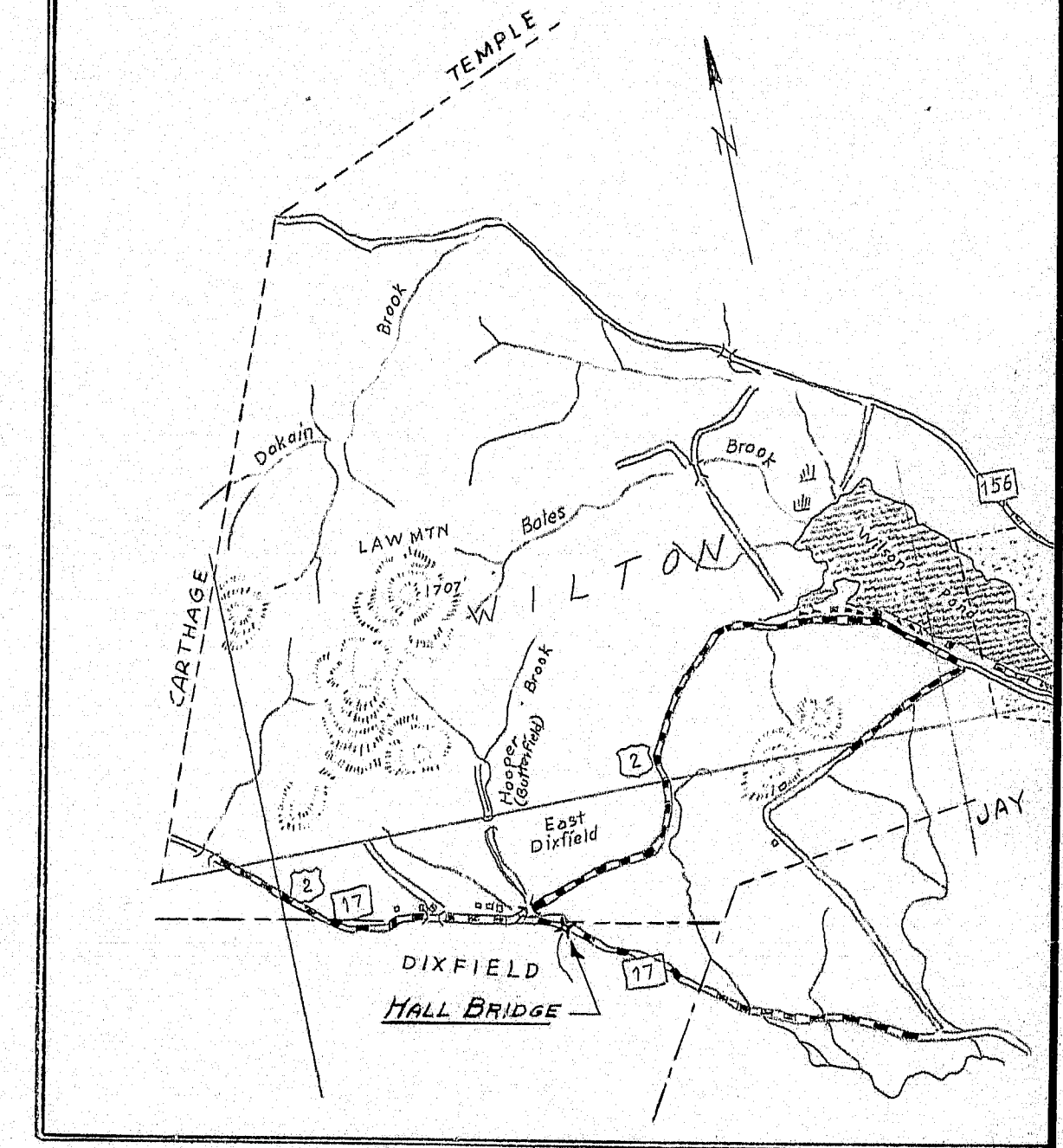


Section M-M

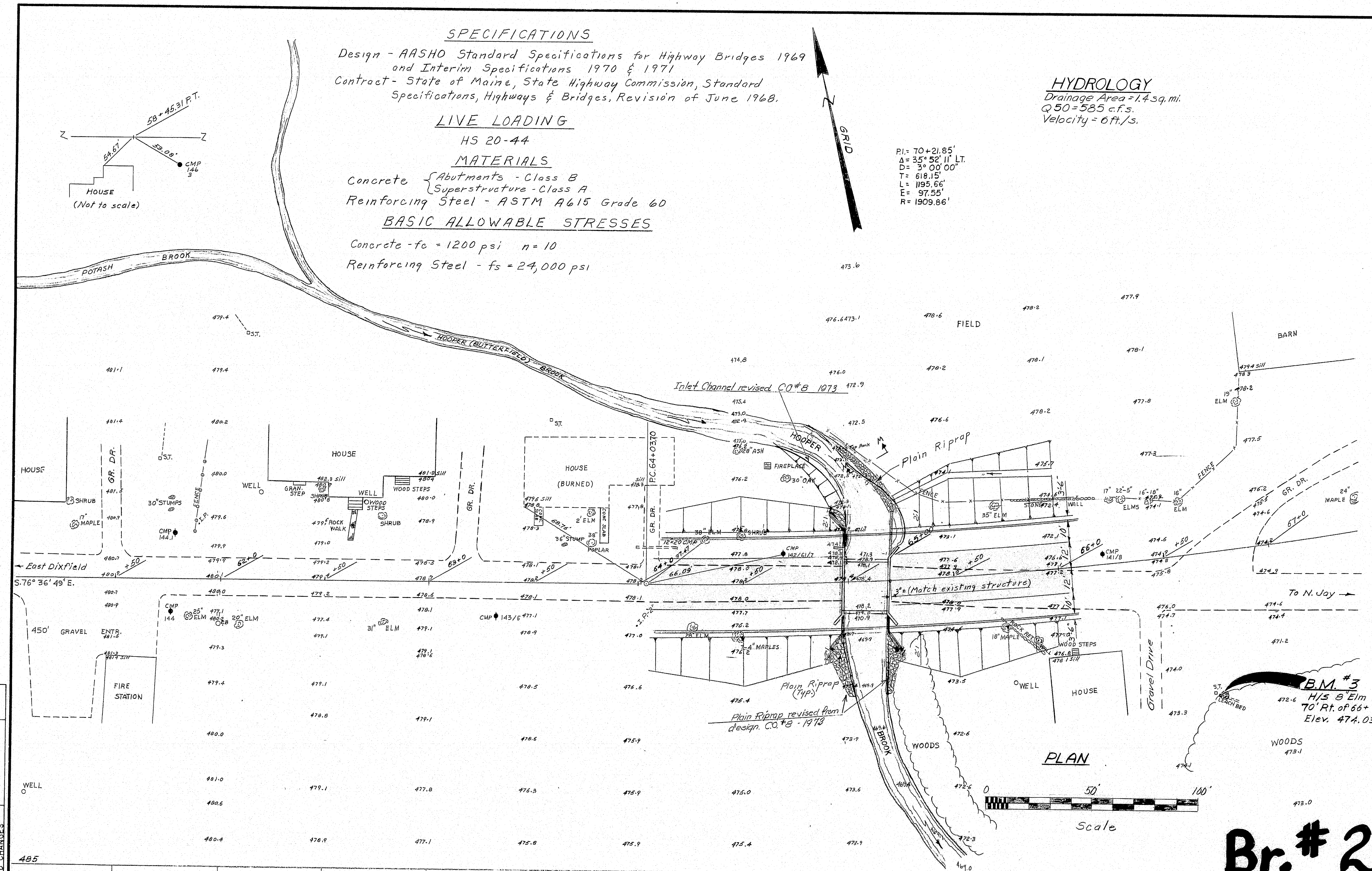
INDEX OF SHEETS

Description	Sheet No.
Survey	1
Abut. #1	2
Abut. #2	3
Superstructure	4
Reinforcing Steel	2

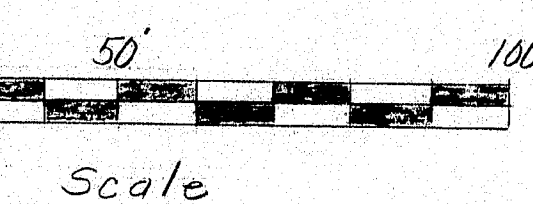
Coast Guard permit. Not required



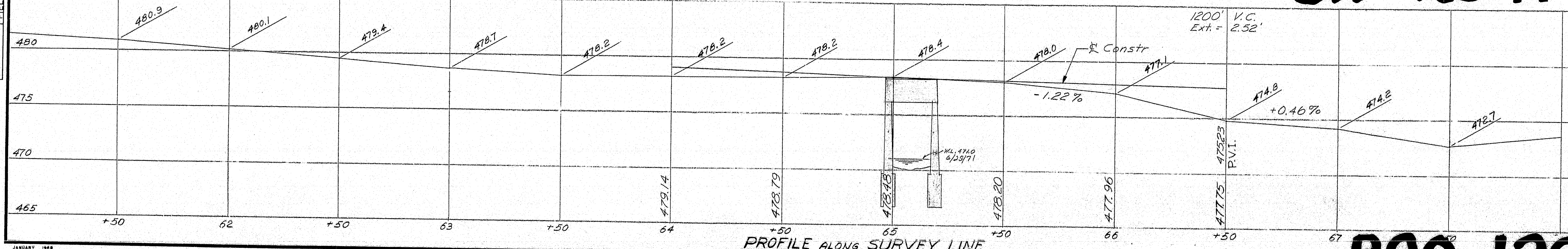
LOCATION MAP
 Scale of Miles



PLAN



Br. # 2341



PROFILE ALONG SURVEY LINE

"AS BUILT" 1973 J. Homburg 2-18-74
 STATE HIGHWAY COMMISSION
HALL BRIDGE
 OVER
HOOPER BROOK
 BETWEEN THE TOWNS OF
WILTON-FRANKLIN COUNTY
DIXFIELD-OXFORD COUNTY
 SURVEY
 SHEET 1 OF 4 AUGUSTA, MAINE OCT. 1971

R90-122

Plotted - C.H. - 6-25-71
 Checked - P.H.S. - 8-28-71

DATE	BY	REVISIONS
8-28-71	P.H.S.	1
2-72	M.K.C.	2

PLANS

Note: Dimensions are out to out of bars.				
Mark	Size	No.	Length	Location
5500	#5	24	8'-0"	SLAB
5501	#5	24	8'-10"	Rt. Curb
5503	#5	24	9'-2"	Lt. Curb
A600	#6	21	8'-0"	Breastwall & Wings
5802	#8	22	23'-1"	SLAB
5803	#8	2	23'-7"	SLAB

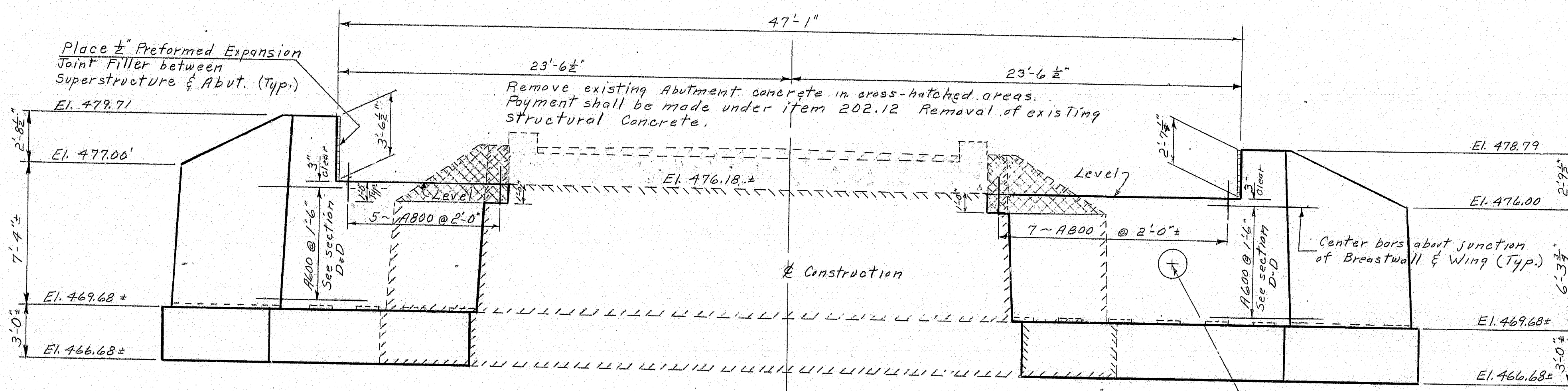
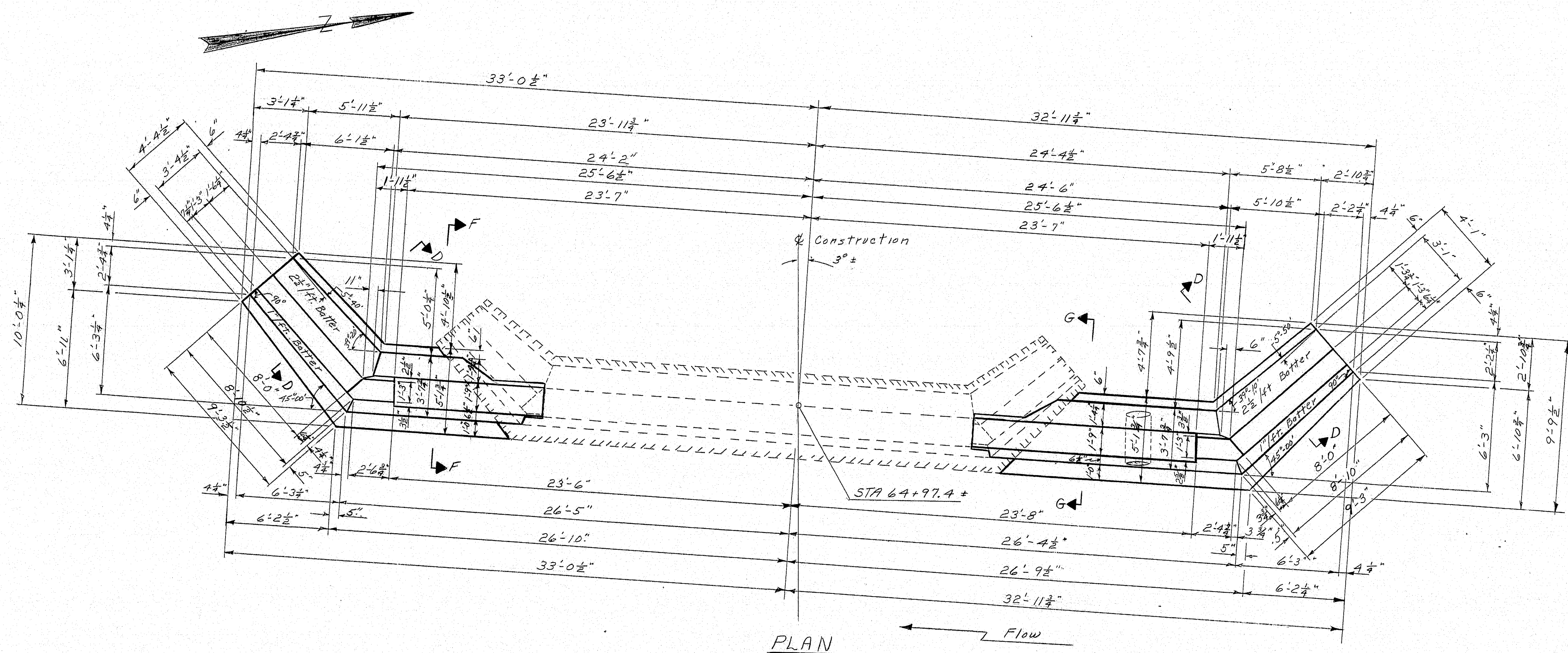
STRAIGHT BARS				
5502	#5	2	12'-6"	SLAB
5504	#5	8	10'-9"	CURBS
5505	#5	2	9'-0"	Slab
5506	#5	2	7'-6"	Slab
5507	#5	2	12'-0"	Slab
5508	#5	2	13'-6"	Slab
A601	#6	52	2'-0"	Footing & Breastwall
A602	#6	7	8'-0"	Breastwall & Wing Abut #2
A800	#8	23	2'-0"	Breastwall & Slab Dowels
5800	#8	30	2'-0"	Slab Dowels
5801	#8	22	23'-2"	Slab
W300	#3	90	22'-6"	Wearing Surface
W301	#3	23	25'-0"	Wearing Surface
W302	#3	23	20'-0"	Wearing Surface

Notes:
For General Abutment Notes & Sections
D-D; F-F; & G-G See sheet No. 3

STATE HIGHWAY COMMISSION

HALL BRIDGE
OVER
HOOPER BROOK
BETWEEN THE TOWNS OF
WILTON-FRANKLIN COUNTY
&
DIXFIELD-OXFORD COUNTY
ABUTMENT NO. 1

SHEET 2 OF 4 AUGUSTA, MAINE OCT. 1971



Construct opening through Abutment for 15" Type "C" underdrain; Size and location to be determined by the Engineer in the field; Grout the type 'C' underdrain in place. May be cast in place at the contractor's option.

R90-123
AS BUILT HB 2/12/74

PLANS	DESIGN - DETAILED	BY	DATE
	CHECKED	<i>M.E.R.</i>	<i>10-72</i>
	REVISIONS	<i>GMC</i>	<i>2-72</i>
	FIELD CHANGES		

[illegible]

R90-124

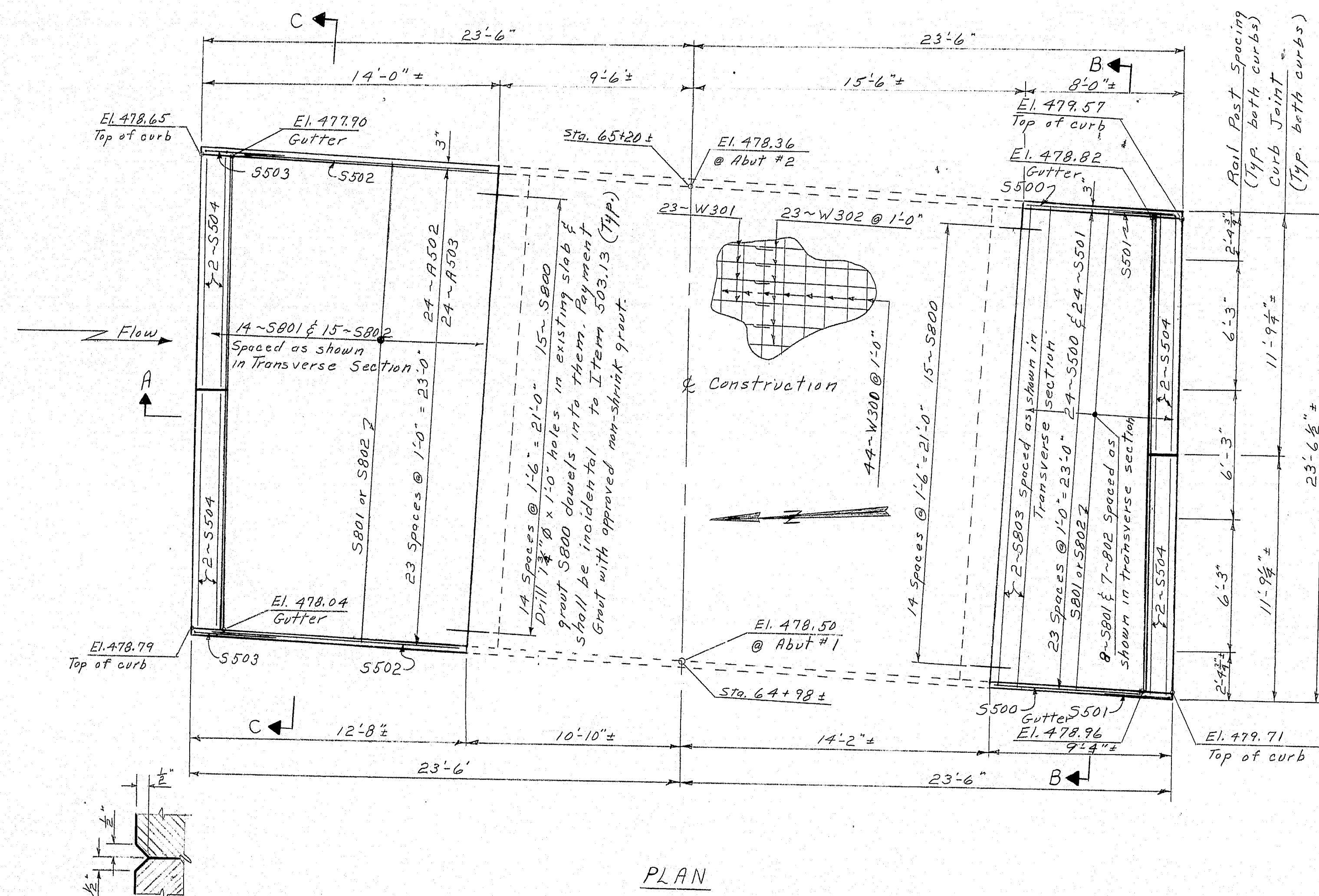
STATE HIGHWAY COMMISSION

HALL BRIDGE
OVER
HOOPER BROOK
BETWEEN THE TOWNS OF
WILTON - FRANKLIN COUNTY
a
DIXFIELD-OXFORD COUNTY

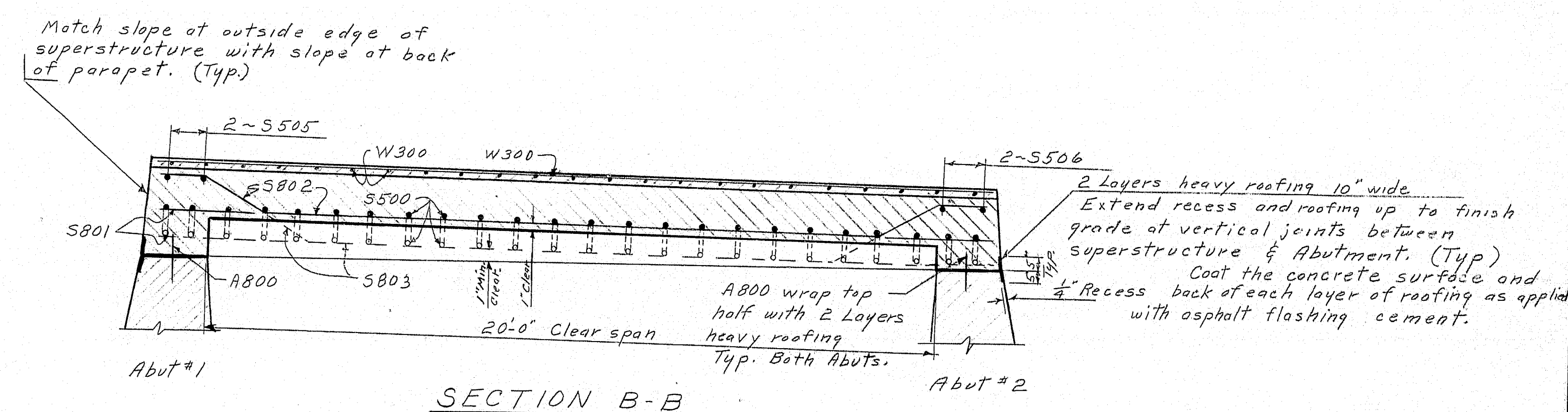
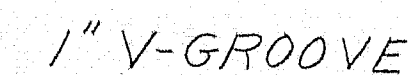
ABUTMENT NO. 2

ET 3 OF 4 AUGUSTA, MAINE OCT, 19

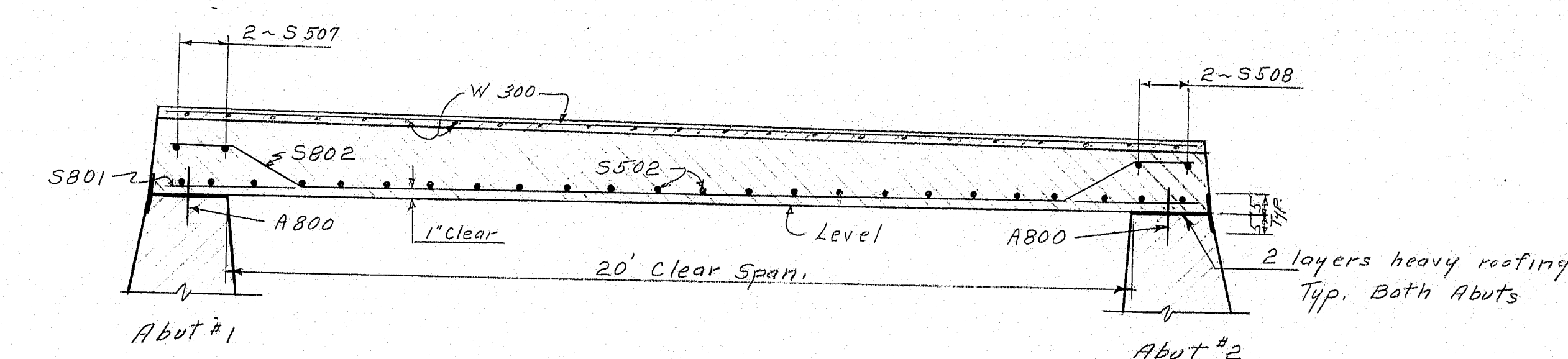
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	F-025-1 (23)	20	122



PLAN



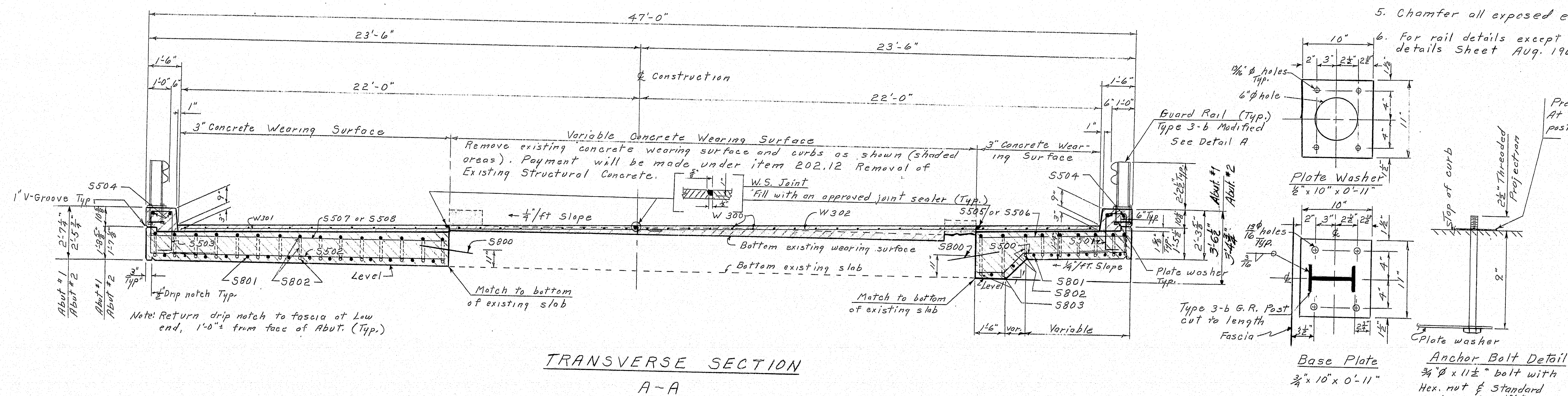
SECTION B-B



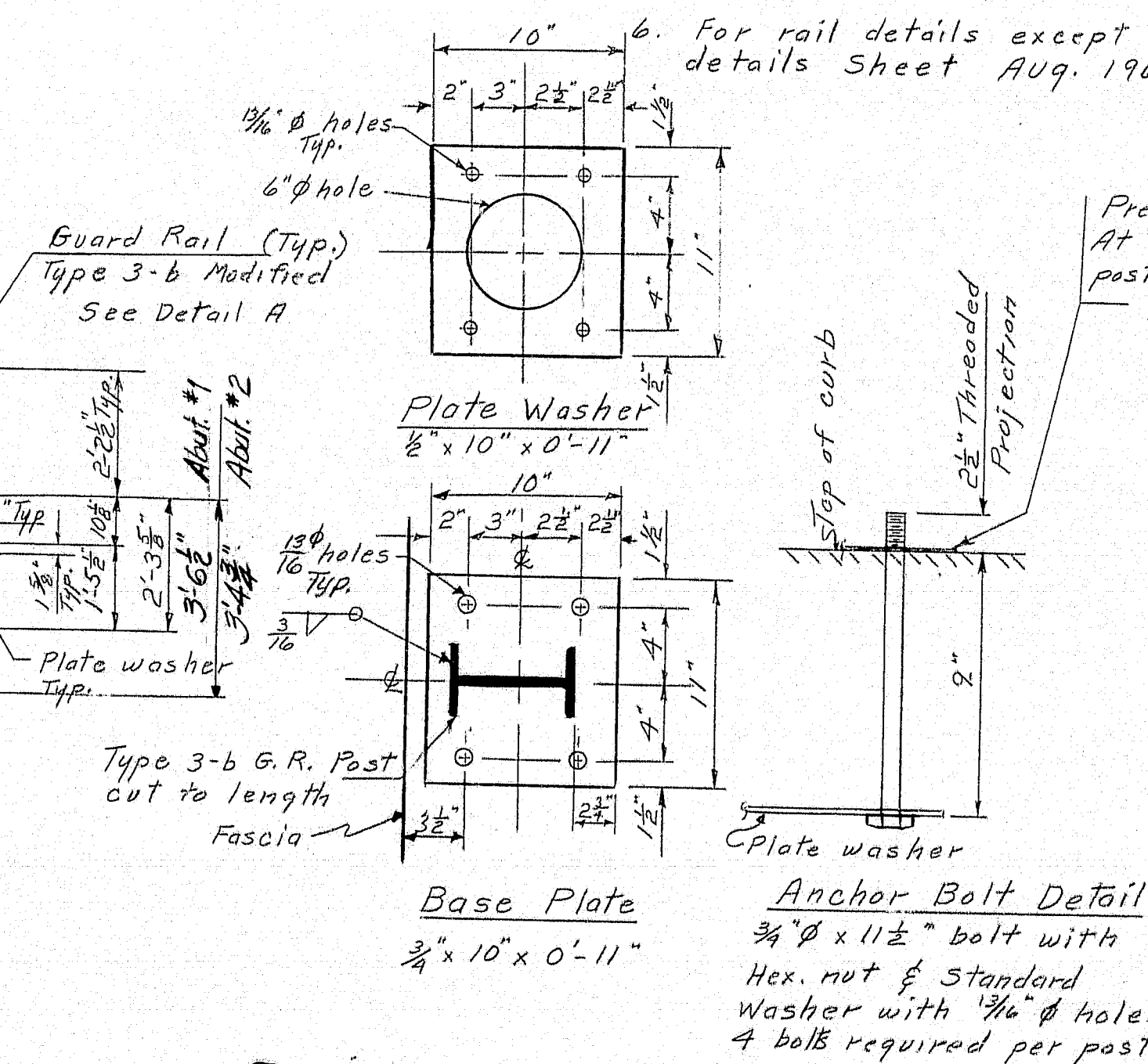
SECTION C-C

GENERAL SUPERSTRUCTURE NOTES

1. Reinforcing steel shall have 2" min. clearance unless otherwise shown, and minimum splice of 36 bar diameters.
2. Form 1" V-Groove on the outside & inside faces of the curb at each vertical joint in curb.
3. At all curb contraction joints, break the bond between concrete surfaces by a method to be approved by the engineer.
4. Coat the top of the Concrete Wearing Surface, the top, inside & outside face of curbs down to the drip notch under the edge of slab with "Protective Coating for Concrete Surfaces" Item 515.20.
5. Chamfer all exposed edges of concrete $\frac{1}{2}$ "
6. For rail details except as shown or noted see Standard details Sheet A9. 1969 (2)



TRANSVERSE SECTION
A-A



DETAIL A

Preformed Pad, $\frac{1}{8}$ " Thick after compression. (Typ.)
At least one pad shall be placed under each post. Size of Preformed Pad shall be 10×10 "

Note:
Payment for bolts, base plates, cutting
& welding of posts shall be incidental
to item 606.17 Guard Rail Type 3b
Single Rail.

All material for Type 3b Guard Rail Modified shall be galvanized after fabrication.

STATE HIGHWAY COMMISSION

HALL BRIDGE

OVER
HOOPER BROOK
BETWEEN THE TOWNS OF
WILTON-FRANKLIN COUNTY
&
DIXFIELD-OXFORD COUNTY
SUPERSTRUCTURE

SHEET 4 OF 4 AUGUSTA, MAINE OCT 1971

303.1 305