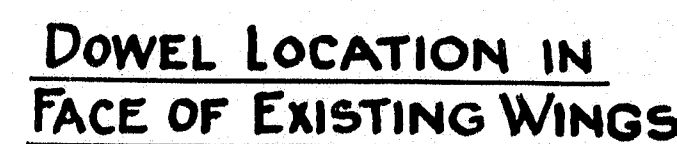


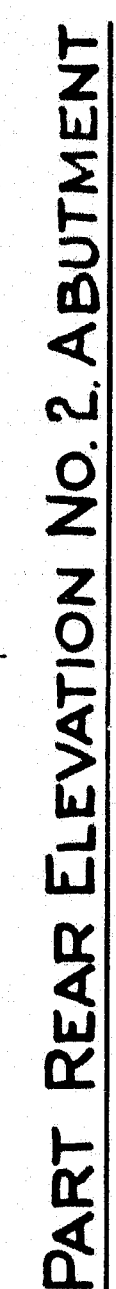
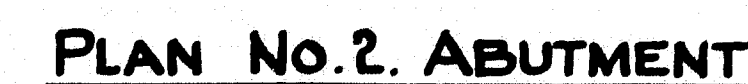
Diagram illustrating the cross-section of a bridge seat. The diagram shows a trapezoidal structure with a sloped top surface. Key dimensions and labels include:

- PS BEYOND NORMAL**: Label for the top sloped surface.
- BRIDGE SEAT LINE**: A horizontal line indicating the top of the seat.
- EL. 401.83**: Elevation of the bridge seat line.
- 2'-0"**: Vertical dimension from the base to the seat line.
- DR. SEAT**: Label for the base of the seat.
- 2'-0"**: Horizontal dimension from the left edge to the centerline.
- 2'-0"**: Horizontal dimension from the centerline to the right edge.
- 2'-0"**: Horizontal dimension from the left edge to the centerline.

SECTION B-B



NOTE - K BARS TO BE PLACED ON 4" CENTERS, 6" BELOW BRIDGE SEAT AT INTERSECTION OF WINGS AND BREAST WALLS. BEND IN FIELD TO FIT FORMS.



DESIGN -	<i>Hamilton</i>	TOWN	02-08
TRACED -			
CHECKED-	<i>C. L. P.</i>	BRIDGE	2942

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

WHITNEY BROOK BRIDGE

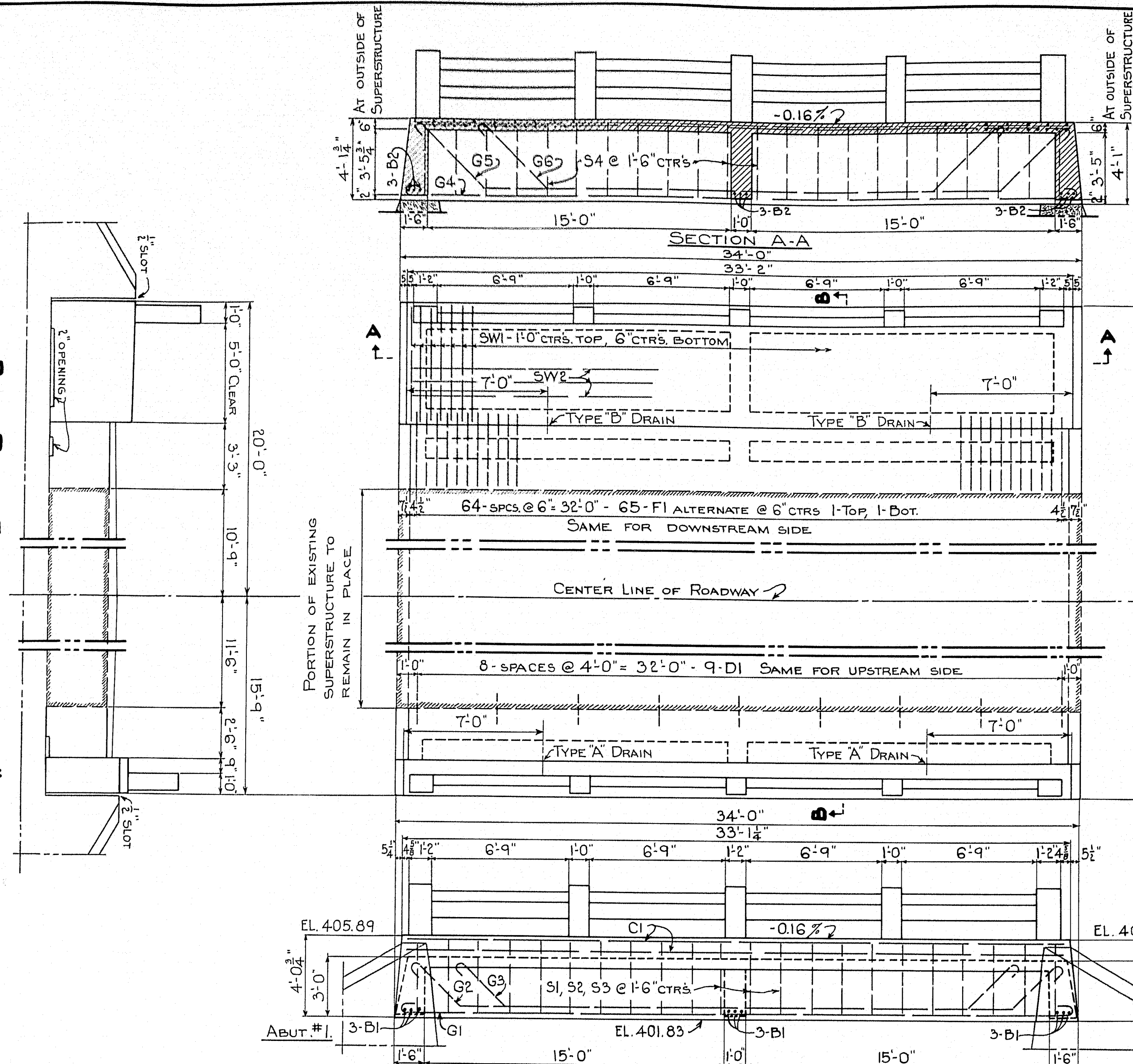
IN THE TOWN OF

BRIDGEWATER-ARROOSTOOK CO.

SUBSTRUCTURE

SHEET 1 of 2 AUGUSTA, ME. OCT. 1944

PART REAR ELEVATION AT ABUT. #1

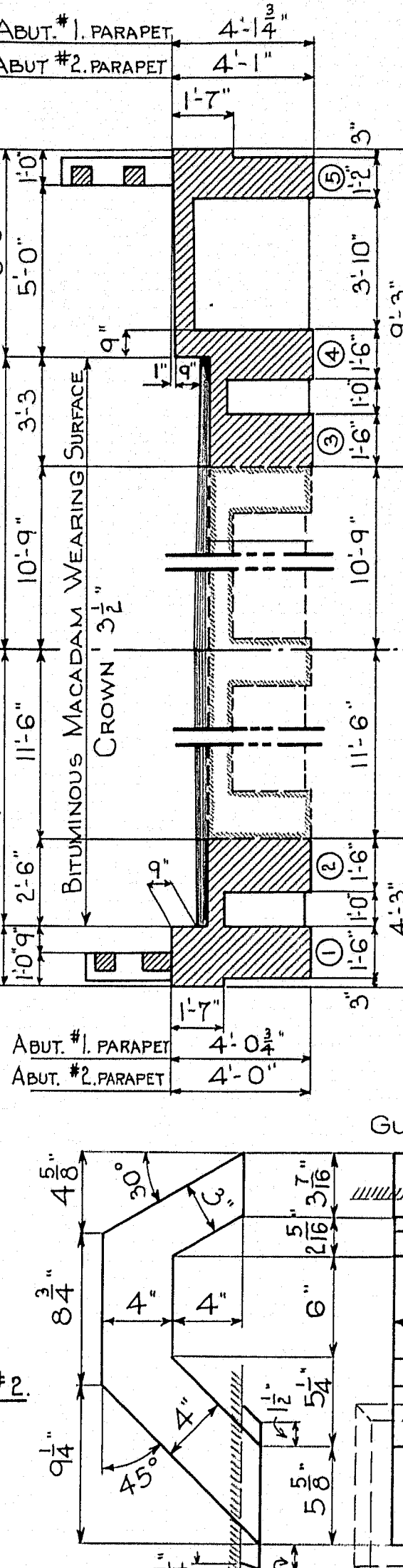


SIDE ELEVATION D.S.

STEEL SCHEDULE

BENT BARS							STRAIGHT BARS				
MARK	SIZE	No.	A	B	C	D	LENGTH	LOCATION	MARK	SIZE	No.
G2	1"	8	27'-2"	2'-3 1/2"	3'-0 1/2"	1'-11 1/2"	35'-9"	GIRDERS #1, #2, #3, #4	F2	1/2"	10
G3	1"	8	22'-6"	2'-3 1/2"	3'-0 1/2"	1'-11 1/2"	31'-2"	" " " "			
G5	3/4"	2	25'-7"	3'-4"	4'-5 1/2"	2'-11 1/2"	37'-1"	GIRDER #5	SW2	1/2"	9
G6	3/4"	1	18'-11"	3'-4"	4'-5 1/2"	2'-11 1/2"	30'-5"	" " " "	B1	3/4"	9
G1	1"	16	33'-0"				35'-7"	GIRDERS #1, #2, #3, #4	B2	3/4"	9
G4	1"	3	33'-0"				35'-7"	GIRDER #5	D1	1"	18
F1	1"	130					5'-3"	ROADWAY SLAB	R1	1/2"	56
P1	3/4"	10	3'-9"				8'-3 3/8"	SIDEWALK RAIL POSTS	C1	1/2"	3
P2	3/4"	10	3'-0"				6'-9 3/8"	ROADWAY " "			
S1	1"	22	3'-7 1/2"	1'-1 1/2"			11'-1"	GIRDER #1	D2	3/4"	92
S3	"	22	3'-7"	4 1/2"			10'-3 1/2"	" #4	K	3/4"	24
S2	"	44					7'-6 1/2"	GIRDERS #2, #3			
S4	"	22					9'-1"	GIRDER #5			
H1	3/8"	14					3'-4 1/2"	END RAIL POSTS			
H2	"	21					3'-0 1/2"	INT. " "			
S5	1/2"	28					4'-0"	DOT. RAIL BAR (ROADWAY)			
SW1	"	99					7'-3"	SIDEWALK SLAB			

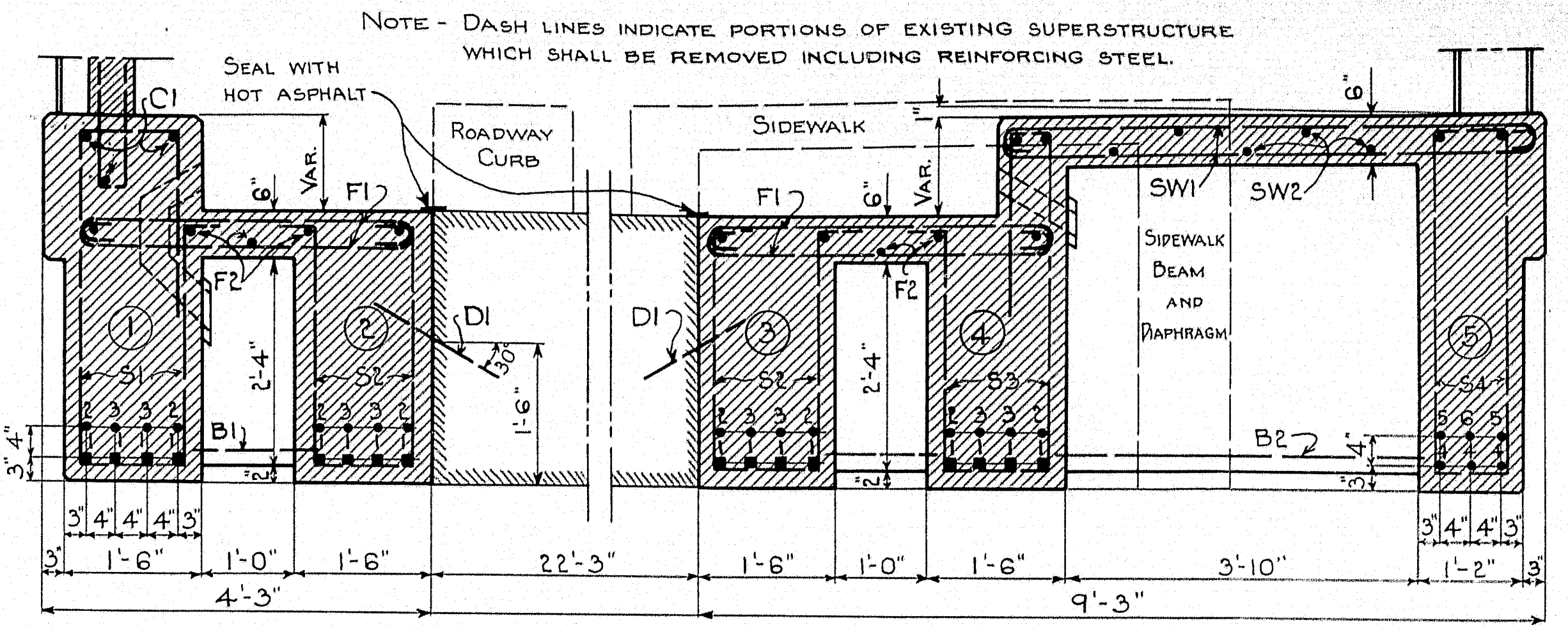
SECTION B-B



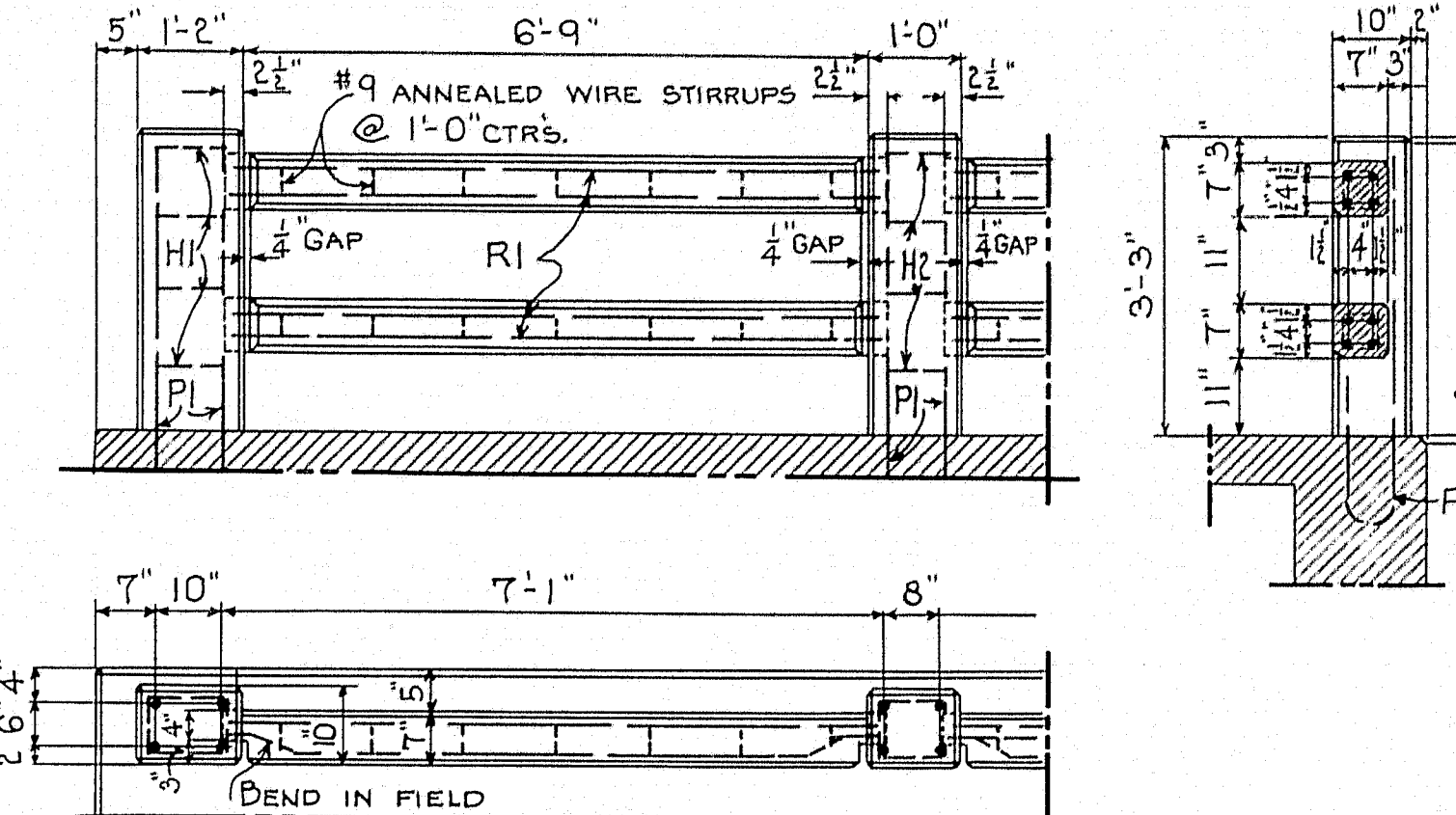
DRAIN DETAILS

No. 26 GAGE GAL. IRON

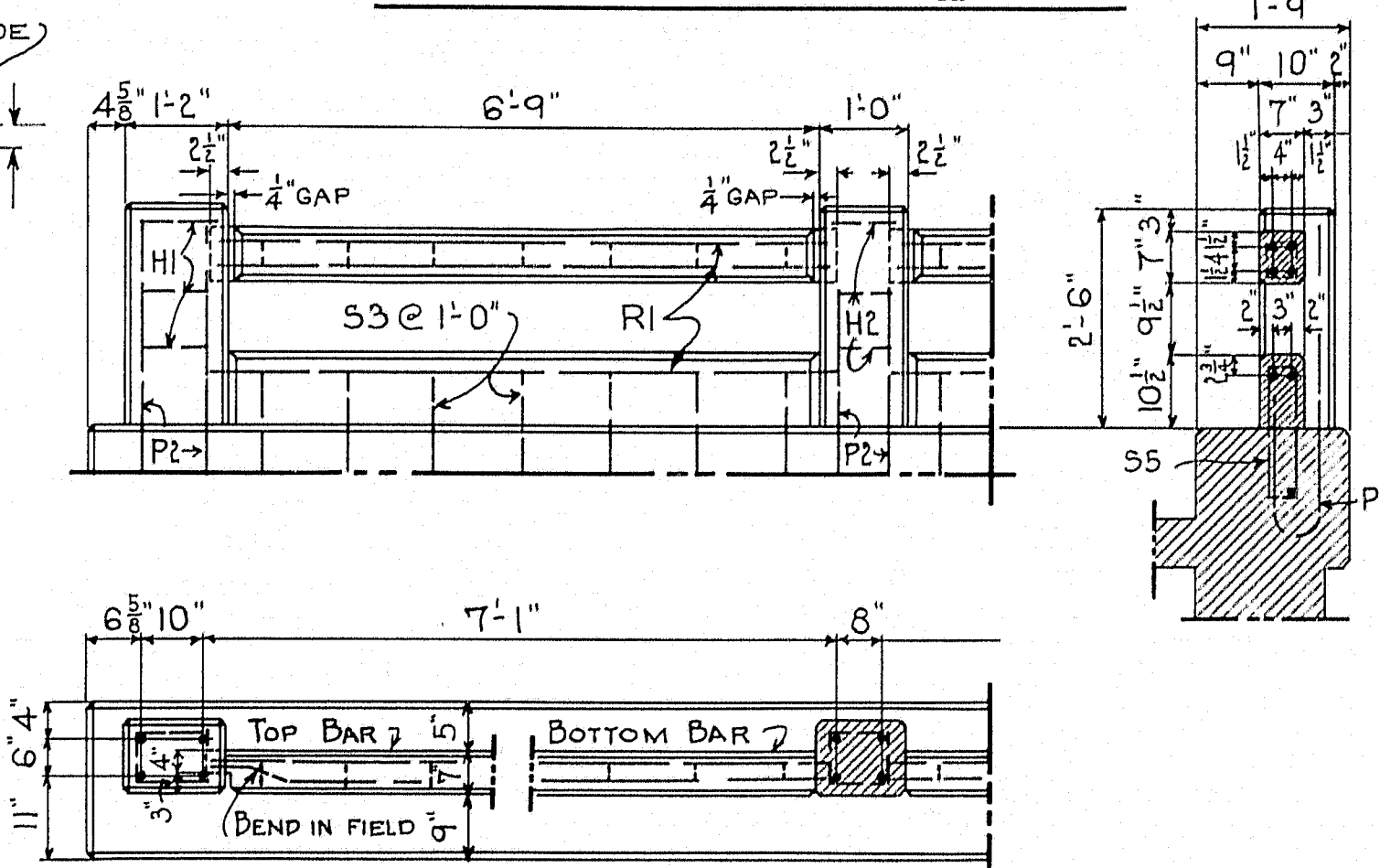
REQUIRED:
2- DRAINS TYPE A
2- " TYPE B



TRANSVERSE SECTION



SIDEWALK RAIL DETAILS



ROADWAY RAIL DETAILS

RAIL NOTES
Roadway curb to be cast with slab. Steel for all posts and bottom roadway rail bar to be set into position before concrete is placed. The bottom roadway rail bar is to be cast in place. The longitudinal steel to project 2" into post. All other bars are to be precast and set into position so the ends project into the post forms 2". Wrap the tongue ends with 2 layers of heavy roofing. Build post forms and cast posts.
All exposed edges of concrete to be chamfered 1/4" unless otherwise indicated.
Wire stirrups for precast rail bars shall be constructed in the field from a single strand of #9 annealed wire. In forming the stirrups make a complete turn around each reinforcing bar.

GENERAL NOTES
Cover the 1/2" slots and the 2" openings between the superstructure and the substructure on the back side with 2 layers of heavy roofing 10" wide. Coat the surface of the concrete and the back side of each layer of roofing as applied with hot tar or asphalt. The area to be covered shall be recessed 1/4" by nailing thin strips to the forms before the concrete is placed.
Dowel Note "D1"-Drill 9" into old concrete girders. Grout dowels with cement mortar before placing concrete in new girders. Cost of drilling and setting to be included in unit price #70.
"REINFORCING STEEL PLACING IN CONCRETE."

DESIGN
H-20 LOADING
Fs = 18000 #/sq"
fc = 1000 #/sq"
n = 10

DESIGN - Hamilton
TRACED - G.L.P.
CHECKED -
TOWN 02-08
BRIDGE 2942
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
WHITNEY BROOK BRIDGE
IN THE TOWN OF
BRIDGEWATER-AR00STOOK CO.
SUPERSTRUCTURE
SHEET 2 OF 2 AUGUSTA, ME. OCT. 1944