

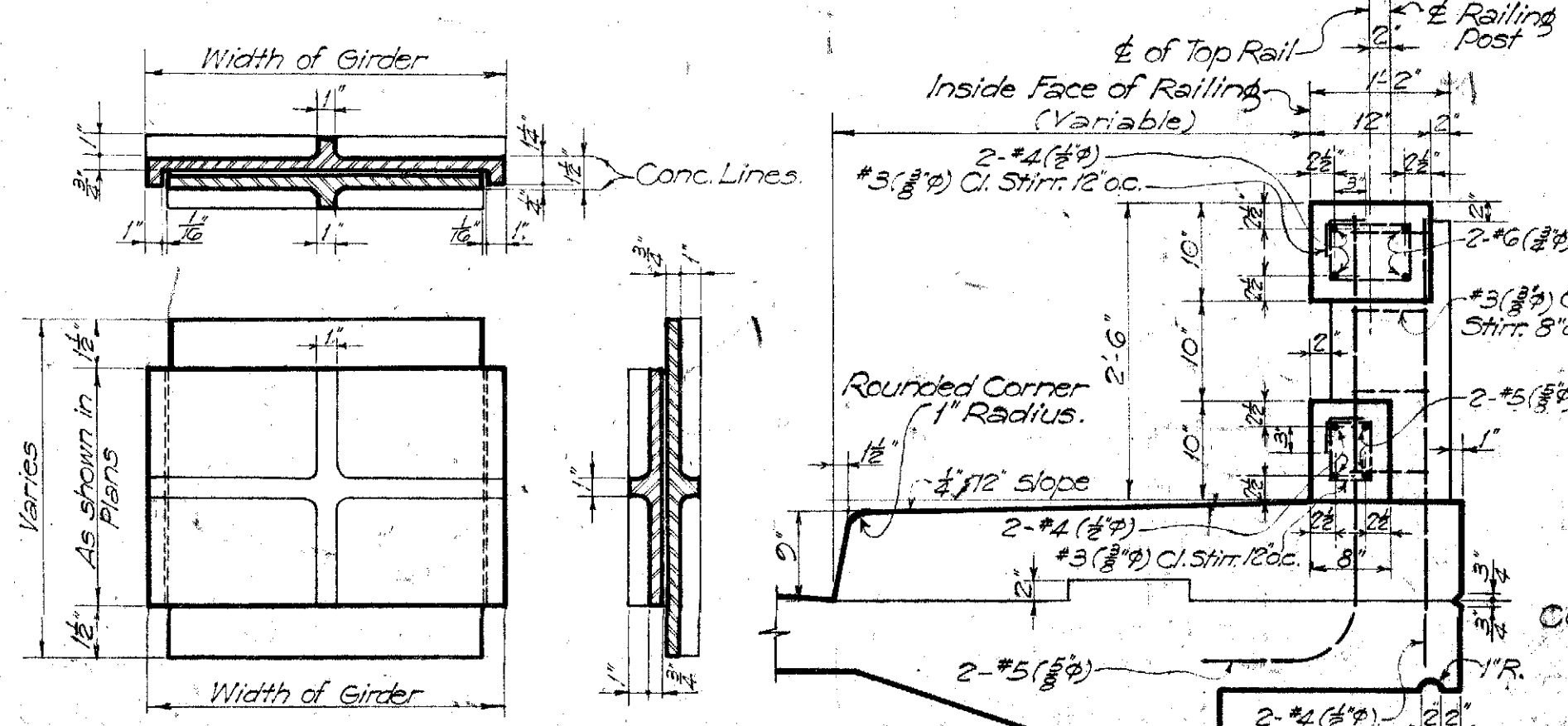
NAME DATE

Use correct name of stream
LEFT HAND SIDE

Date of year built
RIGHT HAND SIDE

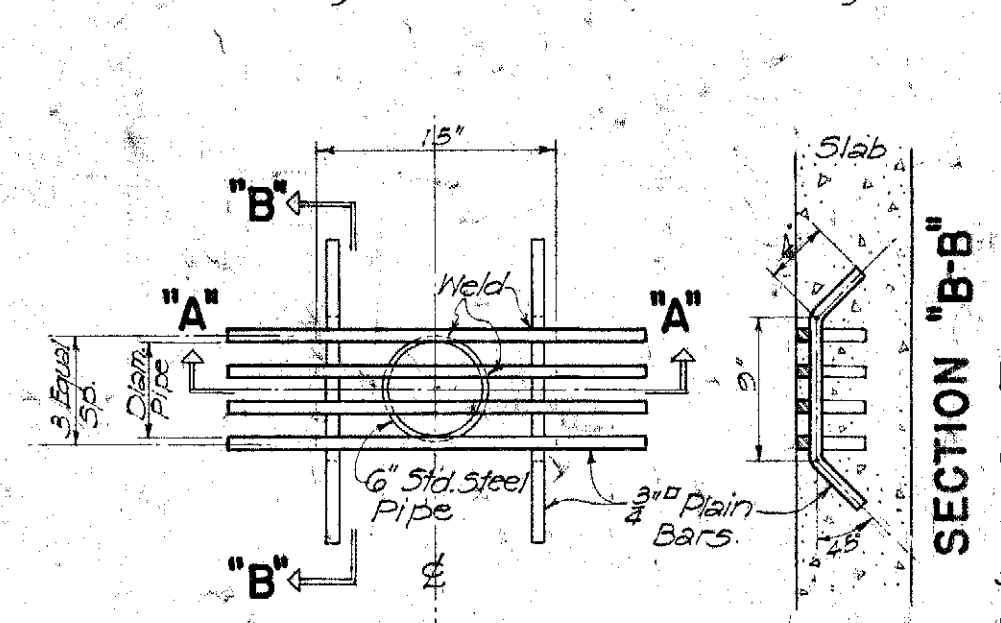
DETAIL OF LETTERS AND FIGURES AT BOTH APPROACHES

NOTE: Name of stream to be placed in left end post panels and date in right post panels on entering bridge using modified block letters 3" in height.



EXPANSION PLATES

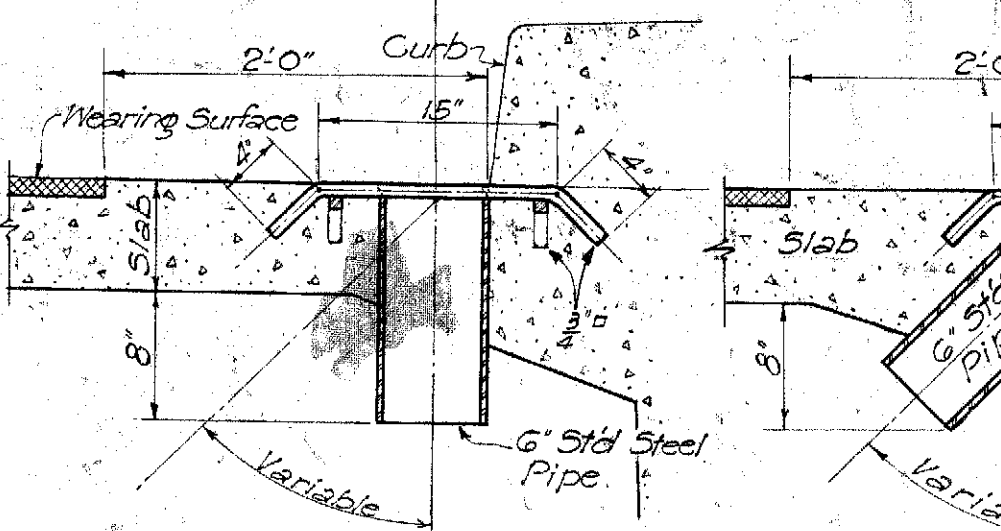
NOTE: Plates to be made of Bronze conforming to A.S.T.M. B22 Class C. Contact areas to have medium planed finish with finishing strokes parallel to longitudinal direction of bridge.



SECTION "B-B" RAILING DETAIL

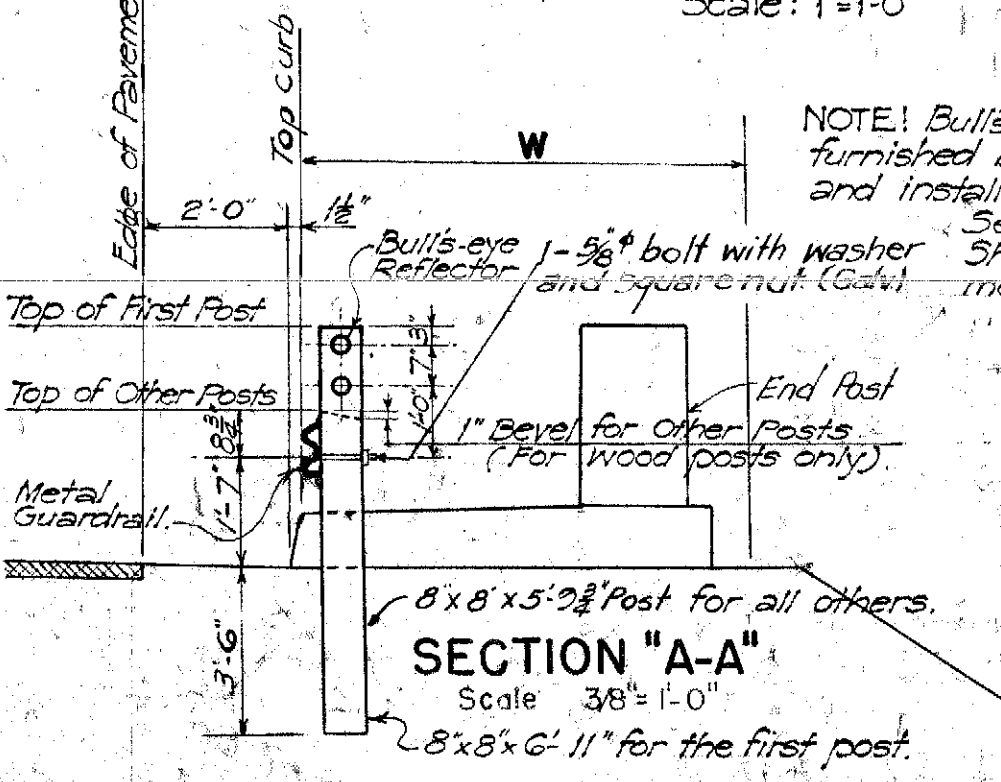
NOTE: Sidewalk, curb and railing to be poured after release of falsework. Forms for railing and endpost to be made of plywood. SURFACE FINISH: The surface of the concrete railings shall be given a Class 2 Rubbed Finish as specified under Sub-article 51.3 (1) (2) of Section 51 Concrete of the Standard Specifications.

NOTE: Metal drains shall be considered incidental to Class A-1 Concrete in both concrete and steel bridges and will not be paid for separately. Assembly of grillage and pipe shall be hot-dip galvanized after all welding is completed.



SECTION "A-A" DRAINAGE DETAIL

Scale: 1"=1'-0"



GENERAL NOTES

CONCRETE: Class of concrete to be used in different parts of the structure are as noted on the plans.

REINFORCING STEEL: All reinforcing steel shall be Billet Steel Bars A.S.T.M. A15 intermediate grade, or Rail Steel Bars A.S.T.M. A16. Steel shall be made by the open-hearth process. Deformations shall conform to A.S.T.M.-A305.

Splicing of reinforcing other than in main deck slab, girder and frame bars shall be done as shown in above sketch except where shown otherwise. Splices are to be staggered. Splices in main girder and frame bars are permitted only in bars exceeding 60'-0" in length at points to be indicated by the Engineer. These splices to be electrically arc welded according to detail and specifications. No allowance will be made in the quantities for extra weight of steel required for splices not shown on the plans.

Minimum spacing between parallel bars shall be 2 1/2 times the diameter of round or 3 times the side dimension of square bars, but in no case shall the clear distance between the bars be less than 1 1/2 times the maximum size of the coarse aggregate.

Minimum covering, measured from the surface of the concrete to the face of any reinforcing bar, shall be not less than 2 inches except in slabs where the minimum covering shall be 1 inch. In the footings of abutments and retaining walls and in piers the minimum covering shall be 3 inches. In work exposed to the action of sea water the minimum covering shall be 4 inches except in precast concrete piles where a minimum of 3" may be used.

All dimensions relating to reinforcing are to centers of bars unless otherwise noted.

CONSTRUCTION JOINTS: All construction joints to have surface roughened and 1:2 cement grout applied immediately before the second pour. Construction joints to be located at places indicated in the plans.

WATERPROOFING:

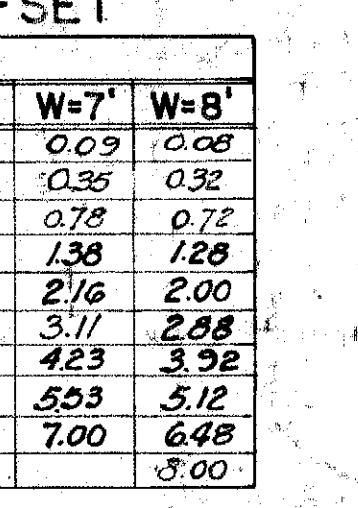
- (1) Mop surface, either side of joint as required with asphalt 50-100 penetration (A.S.T.M. Design D 525) applied at 200°F.
- (2) Apply one layer of 55# Composition Roofing to hot asphalt.
- (3) Mop surface of composition roofing and 3' beyond all around with thick coat of asphalt as specified under (1).

The above work is incidental to concrete and will not be paid for separately.

DAMP PROOFING: Apply damp proofing as specified in Section 66 of the Standard Specifications.

DETAIL OF END POST GROOVE

Scale: 3/4"=1'-0"



GUARDRAIL OFFSET

X	W=3'	W=4'	W=5'	W=6'	W=7'	W=8'
12.5	0.19	0.16	0.14	0.12	0.09	0.08
25.0	0.75	0.64	0.55	0.49	0.36	0.32
37.5	1.69	1.44	1.25	1.10	0.78	0.72
50.0	3.00	2.56	2.22	1.96	1.36	1.28
62.5		4.00	3.47	3.06	2.16	2.00
75.0			5.00	4.41	3.17	2.88
87.5				6.00	4.23	3.92
100.0					5.53	5.12
112.5					7.00	6.48
125.0						8.00

W = Guardrail flare
X = Distance from post at bridge to offset points.
Y = Guardrail flare offset

NOTE: Bull's-eye reflectors to be furnished by the Terr. Hwy. Dept. and installed by the contractor. See Std. Details Sheet for reinforcement of conc. posts.

8x8x5 1/2 post for all others. See Proposal Schedule for material.

12'-6" Spacing for stakeout of guardrail flare (Not for location of posts)

End Post

Edge of pavement

Top Curb

End of Bridge

Shoulder Line

12'-6" Spacing for stakeout of guardrail flare (Not for location of posts)

End Post

Edge of pavement

Top Curb

End of Bridge

Shoulder Line

12'-6" Spacing for stakeout of guardrail flare (Not for location of posts)

End Post

Edge of pavement

Top Curb

End of Bridge

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