

Notes

Existing superstructure: King post truss with four 10"x14" timber stringers and 3" transverse planks in fair condition.

Existing substructure: Abutments of timber, dovetailed and pinned at corners, laid to form smooth closed faces. Abut. No.1 face timbers rest on slope at bottom. Abut. No.2 face timbers at 4' below bridge seat bulge badly.

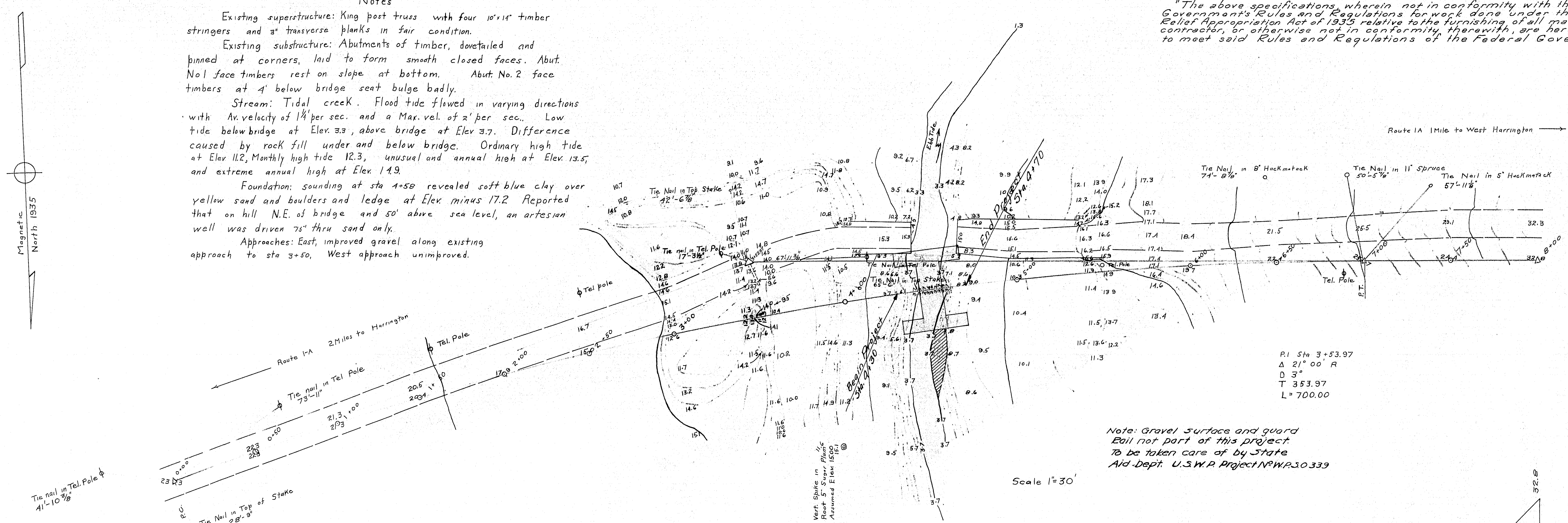
Stream: Tidal creek. Flood tide flowed in varying directions with Av. velocity of 1 1/2' per sec. and a Max. vel. of 2' per sec. Low tide below bridge at Elev. 3.3, above bridge at Elev. 3.7. Difference caused by rock fill under and below bridge. Ordinary high tide at Elev. 11.2, Monthly high tide 12.3, unusual and annual high at Elev. 13.5, and extreme annual high at Elev. 14.9.

Foundation: sounding at sta 4+50 revealed soft blue clay over yellow sand and boulders and ledge at Elev. minus 17.2. Reported that on hill N.E. of bridge and 50' above sea level, an artesian well was driven 75' thru sand only.

Approaches: East, improved gravel along existing approach to sta 3+50. West approach unimproved.

All work contemplated by this contract shall be governed by, and in conformity with, the specifications accompanying these plans.

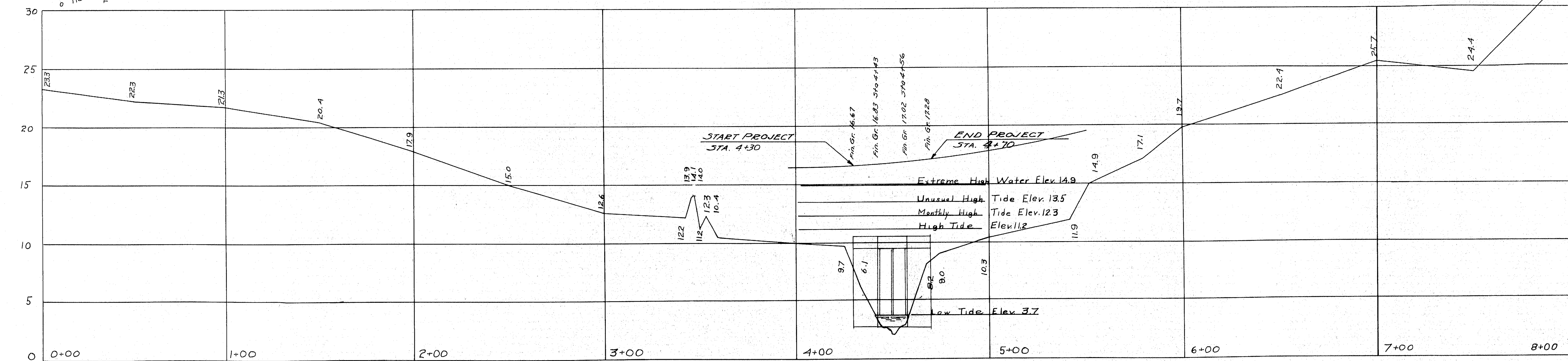
"The above specifications, wherein not in conformity with the Federal Government's Rules and Regulations for work done under the Emergency Relief Appropriation Act of 1935 relative to the furnishing of all materials by the contractor, or otherwise not in conformity therewith, are hereby amended to meet said Rules and Regulations of the Federal Government."



P.I. Sta 3+53.97
Δ 21° 00' R
D 3'
T 353.97
L=700.00

Note: Gravel surface and guard rail not part of this project to be taken care of by State Aid-Dept. U.S.M.P. Project No. WA30339

Scale 1"=30'

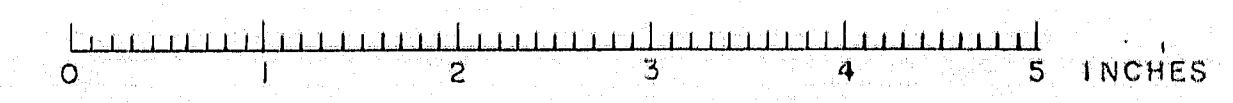


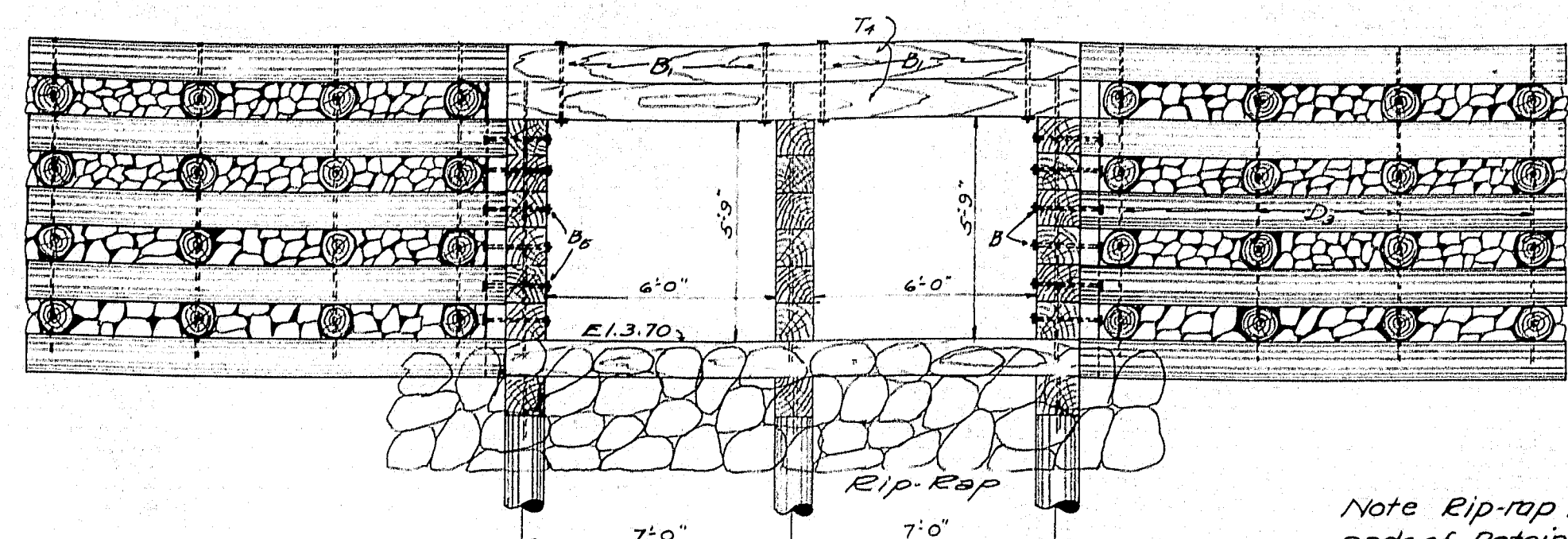
PROFILE
Scale Hor 1"=30' Vert 1"=5'

WORKS PROJECT NO. MAINE 1014-27. Town 15-26 Bridge 3275

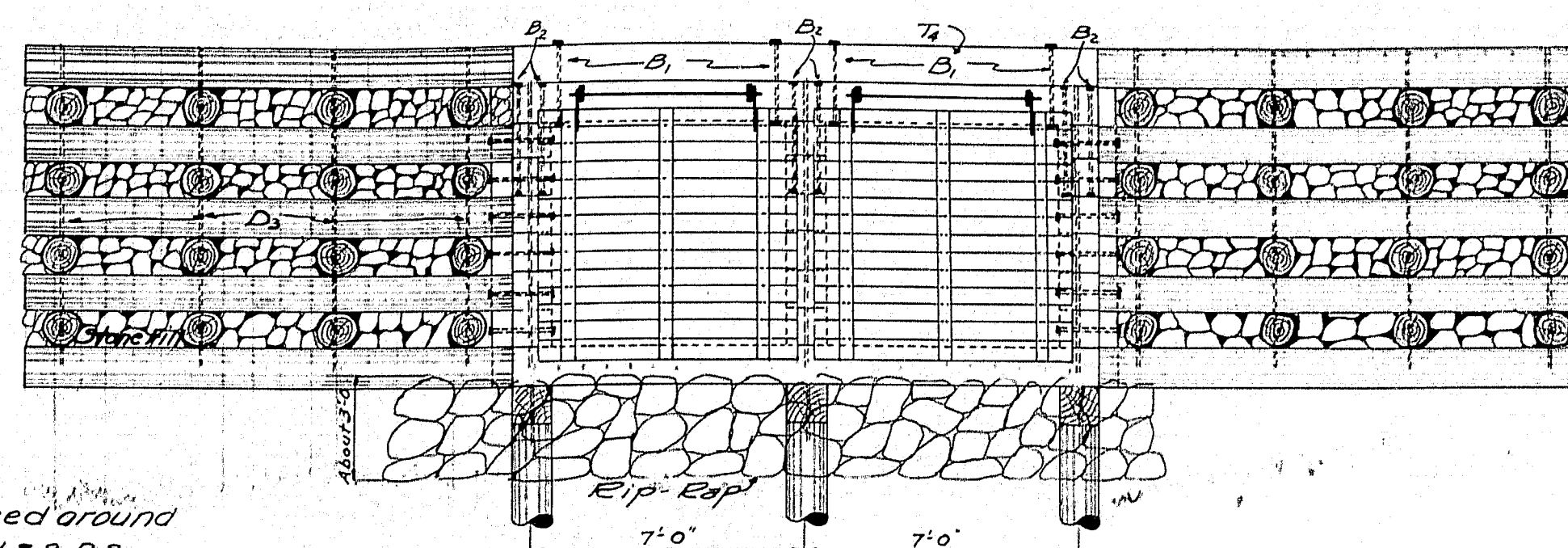
State Highway Commission
Bridge Division
JOHNSON BRIDGE
over
FLAT BAY RIVER
in the town of
HARRINGTON WASHINGTON COUNTY
Survey Plan
Sheet 1 of 2. Augusta, Me. Sept 7 1935

Surveyed by Beckman
Plotted by Pratt and Lyon
Traced by Lyon



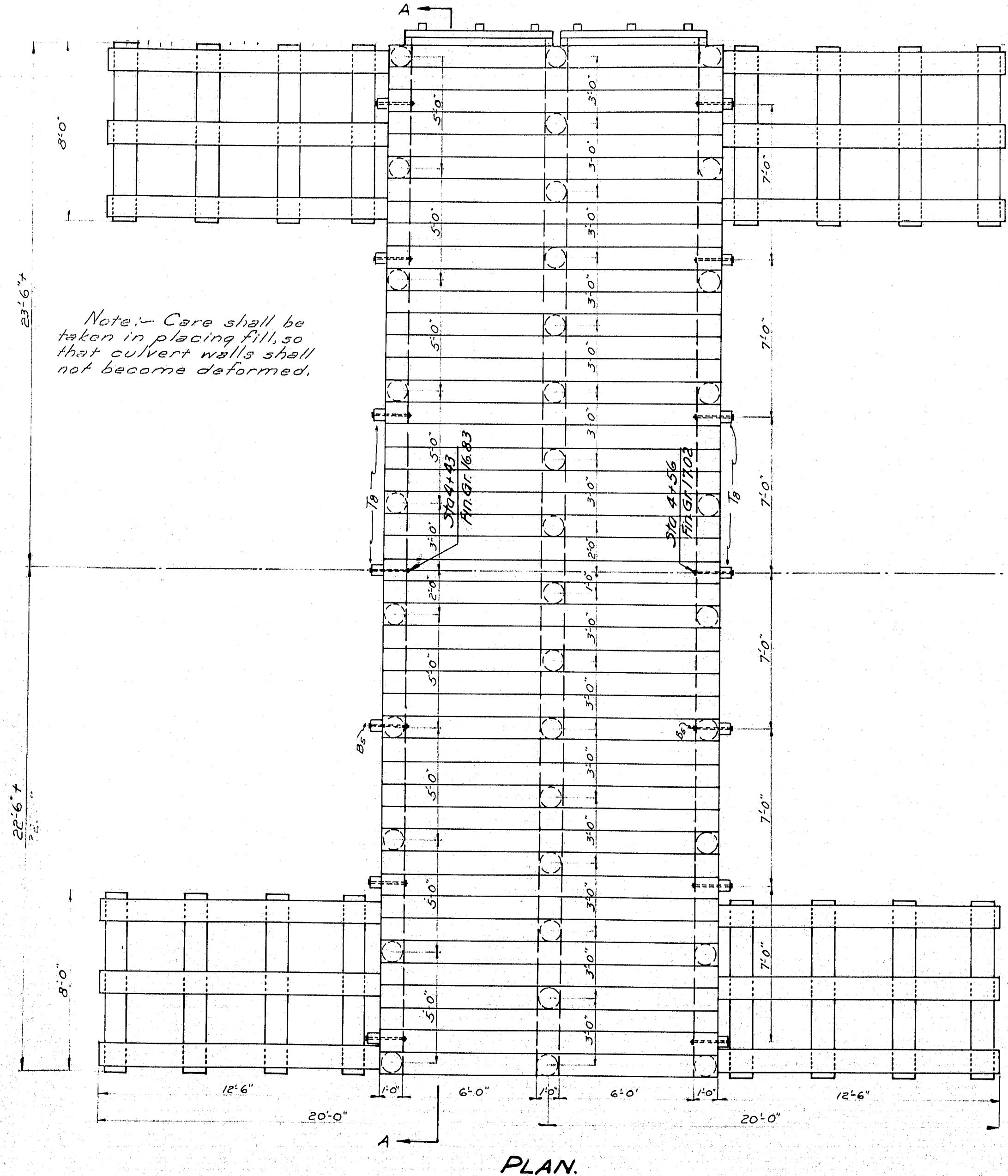


Note Rip-rap to be placed around ends of Retaining walls U.S. & D.S.

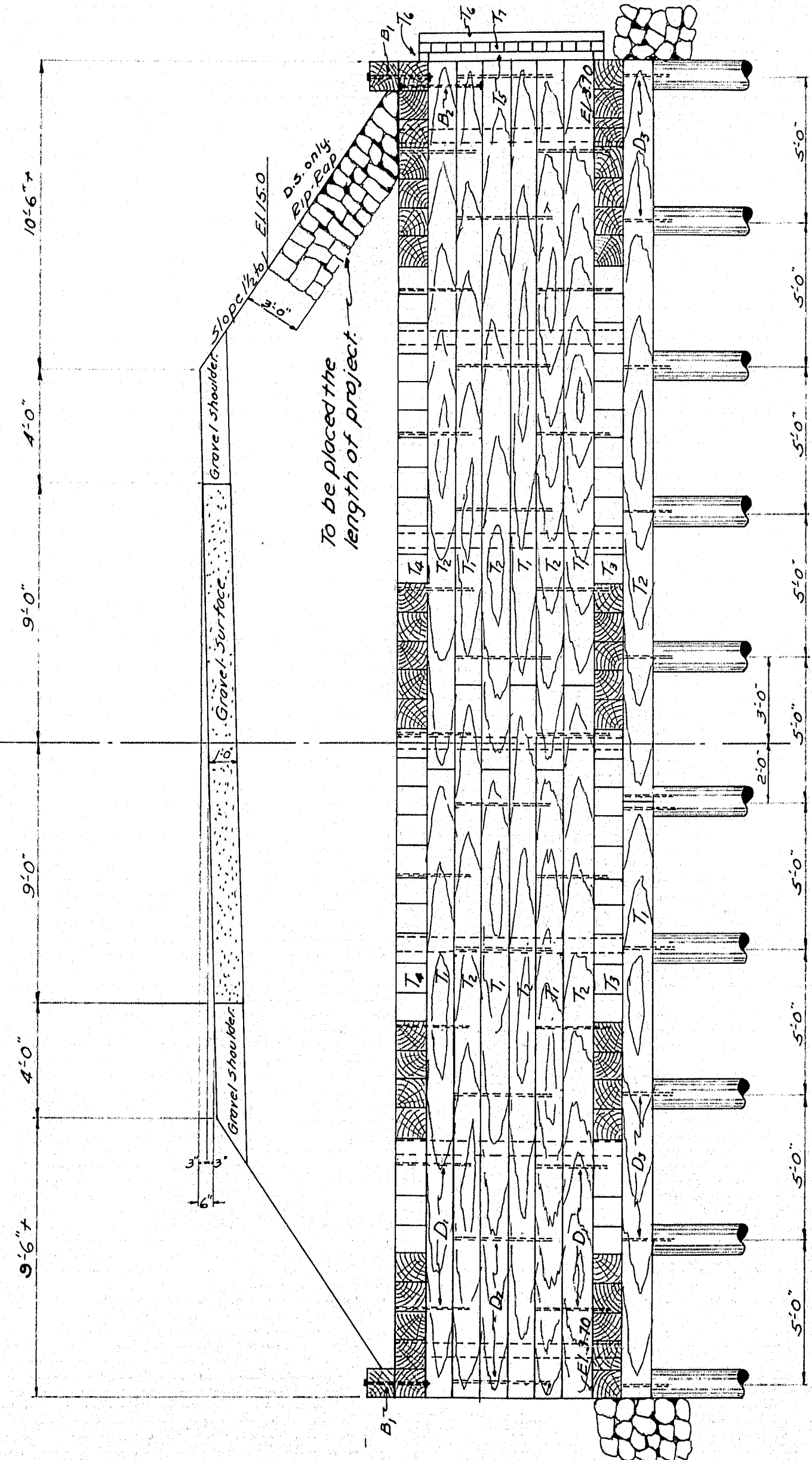


D.S. ELEVATION

U.S. ELEVATION

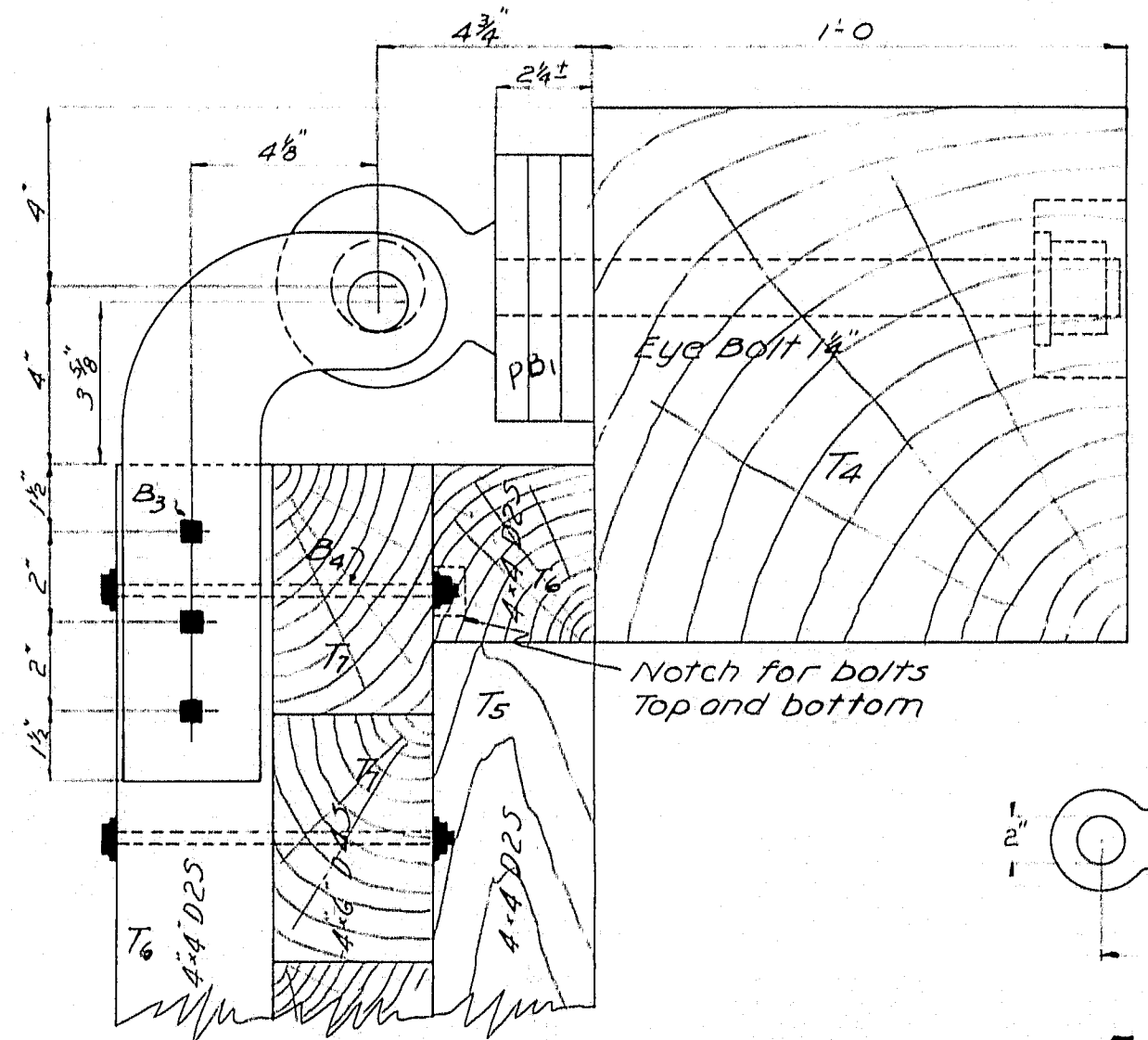
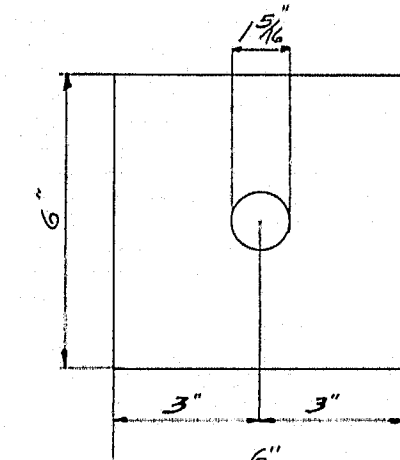


PLAN.



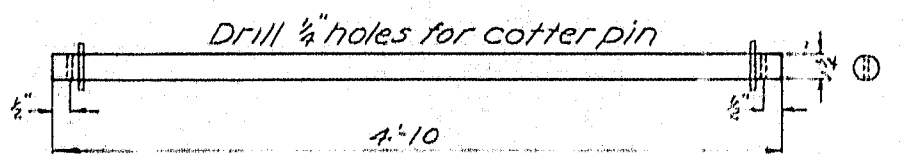
SECTION A-A

PLATES PB₁
Number and thickness
to be determined in field

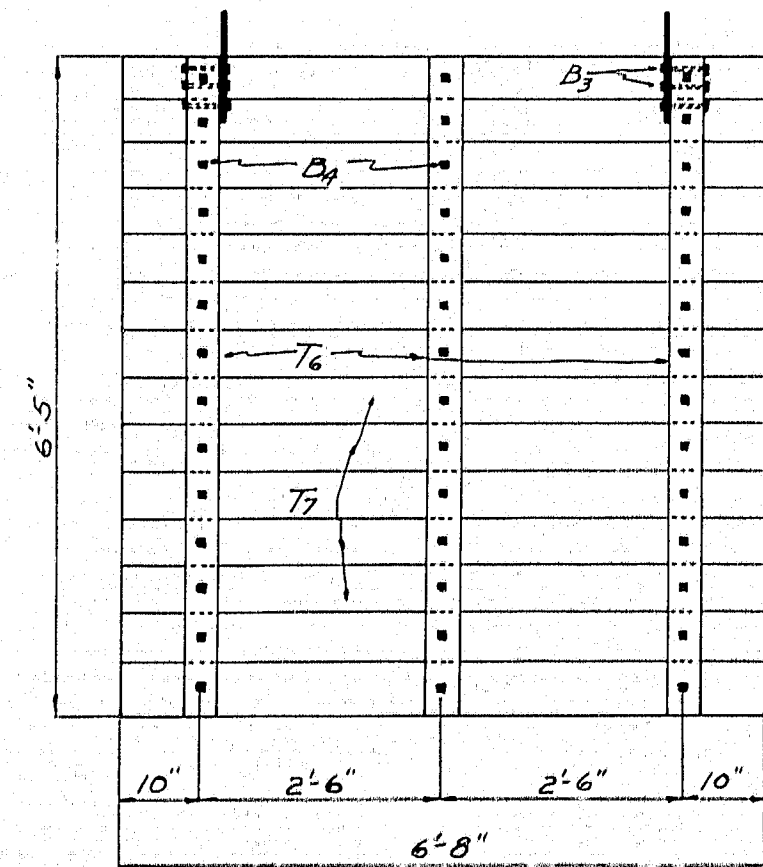
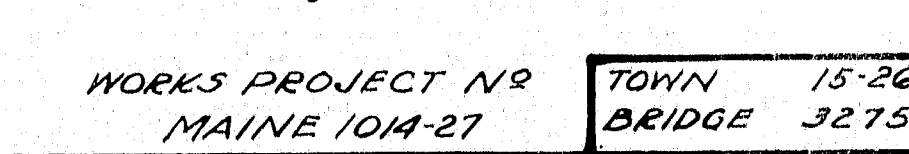


TIDE GATE HANGER DETAIL.

EYE BOLT DETAIL
4 REQ'D
with Nut and Cast Washer
Drill 1/2" holes for cotter pin



ROD DETAIL
2 REQ'D
with 2-1/2" Cut Washers.



TIDE GATE DETAIL
2 REQ'D

MATERIAL LIST			
MARK	Nº REQ'D	SIZE	LOCATION
T ₁	21	12" x 12" x 22'-0" D25	Abut Pier & Pile Caps
T ₂	21	12" x 12" x 22'-0" D25	" " " "
T ₃	48	12" x 12" x 16'-0" D25	Bottom Slab
T ₄	48	12" x 12" x 16'-0" D25	Top Slab
T ₅	2 00k	4" x 4" x 12'-0" D25	Tide Gate Frame
T ₆	5 00k	4" x 4" x 14'-0" D25	Tide Gate & Frame
T ₇	14	4" x 6" x 14'-0" D45	Tide Gate
T ₈	14	10" x 10" x 8'-0" D45	Abuts
Log Crib	As shown		Wings

BOLTS			
B ₁	8	3/8" x 2 1/2"	Top Slab
B ₂	6	1" x 2 1/2"	" " & Pier D.S. only
B ₃	12	3/8" x 0 5/8"	Tide Gate Hanger
B ₄	84	5/8" x 0 7/8"	" "
B ₅	84	5/8" x 2 1/8"	Abuts

D ₁	54	3/8" x 2 1/2"	Drift Bolts Abut & Pier
D ₂	30	3/8" x 3"	" " " "
D ₃	420	3/8" x 1 1/2"	" " Piles & Wings

Note All bolts and fittings to be galvanized
All bolts to be machine, square heads & nuts

WORKS PROJECT Nº 15-26
MAINE 104-27
TOWN BRIDGE 3275
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
JOHNSON BRIDGE
OVER
FLAT BAY RIVER
IN THE TOWN OF
HARRINGTON WASHINGTON CO
BRIDGE DETAILS
SHEET 2 of 2 AUGUSTA, ME. OCT. 9, 35