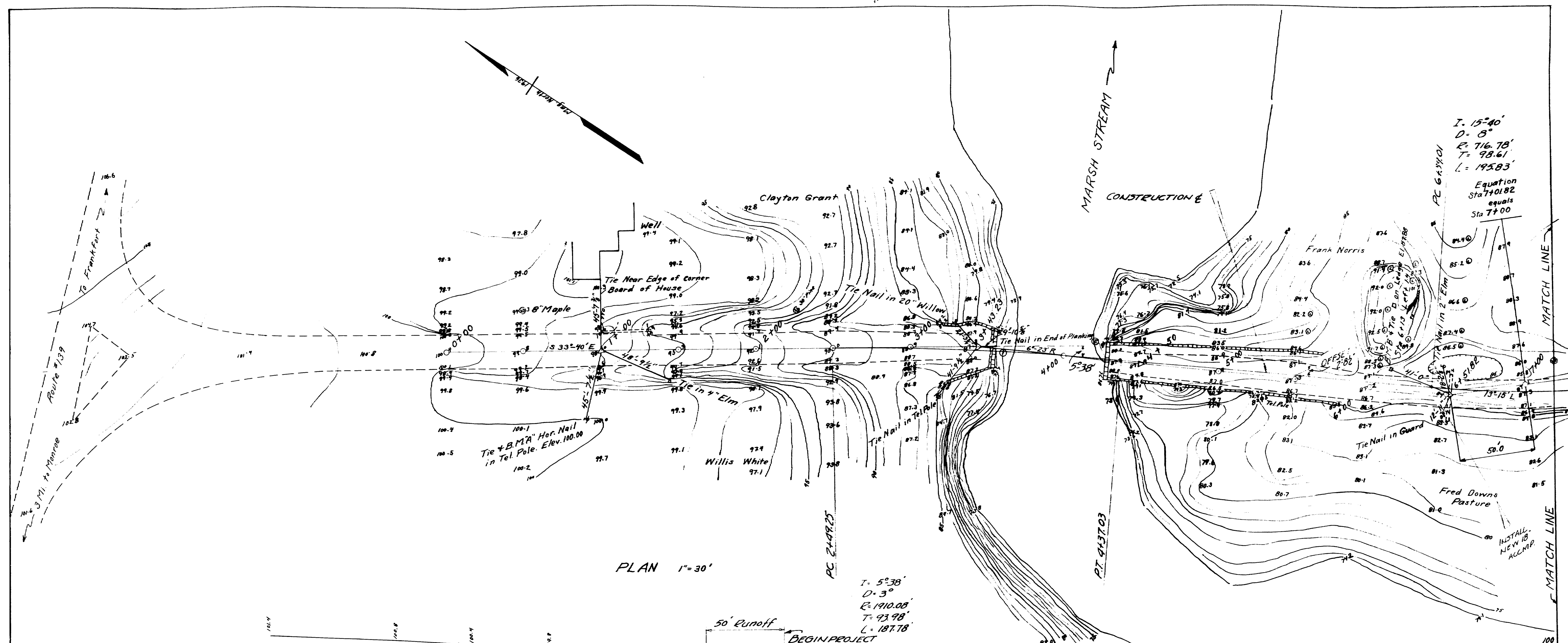




SUBSTRUCTURE :- —GENERAL NOTES—

SUBSTRUCTURE :- Abuts. of roughly split stone laid in irregular courses. Few headers, a stretcher near bottom is cracked. Mortar poor. Masonry is uncoursed, and stones are odd size near ground.

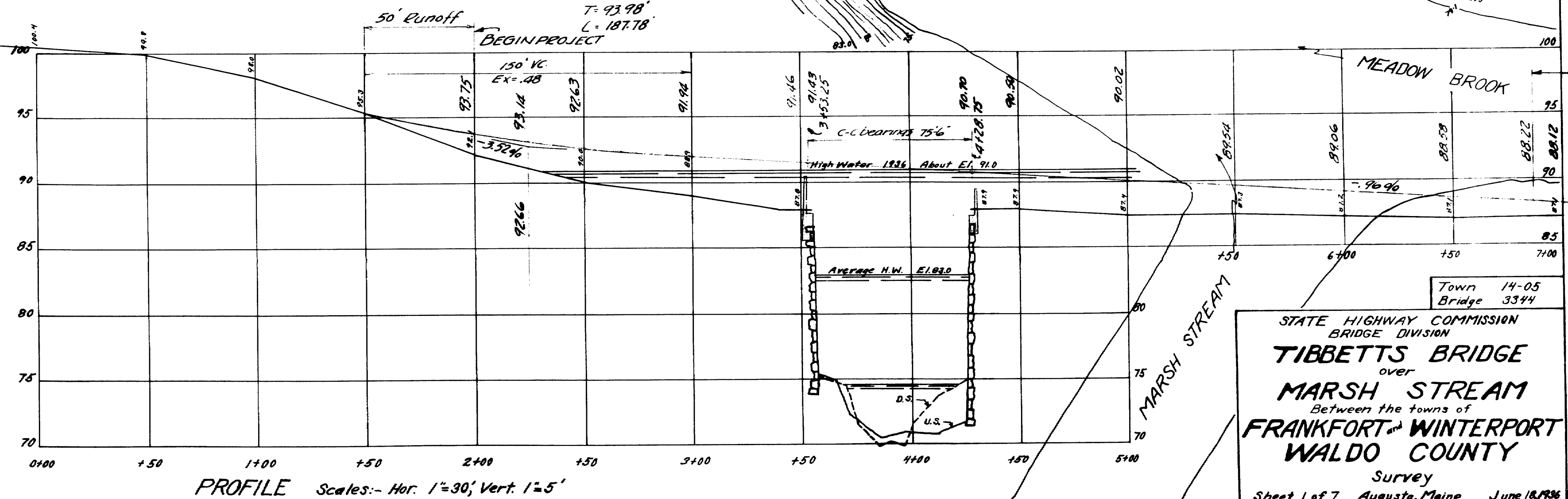
Size: 122' x 11' 6" x 11' 6"
SUPERSTRUCTURE:-
A pony truss of 5- 15' panels, 9.0 deep.
U.S. truss badly warped and bottom chord is bent.
Lateral bracing in the form of V-bracing have
been added to floor system. 3" x trans. plane fair. Painting
has been neglected for a number of years. Built in
1910 by Penn. Br. Co.
STREAM:-

Stream:- Moderate current. Stream bed of rocks and boulders. Ave. high water reported at about El. 83.0. High water 1936 reported from 2.0 to 5.0 over bridge floor, probably around El. 91.0.

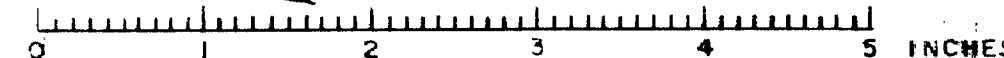
FOUNDATION:-

FOUNDATION.- Stream bed in vicinity of bridge, rocks and boulders. Sand and silt upstream.

① 6' below ground to refusal. Probable ledge at elevation 68.8. Thru boulders and gravel.



STATE HIGHWAY COMMISSION
BRIDGE DIVISION
TIBBETTS BRIDGE
over
MARSH STREAM
Between the towns of
FRANKFORT and WINTERPORT
WALDO COUNTY
Survey
Sheet 1 of 7 Augusta, Maine June 15, 1936



Equation
Sta 7+01.82
equals
Sta 7+100

MATCH LINE

PT. 8+34.84

House

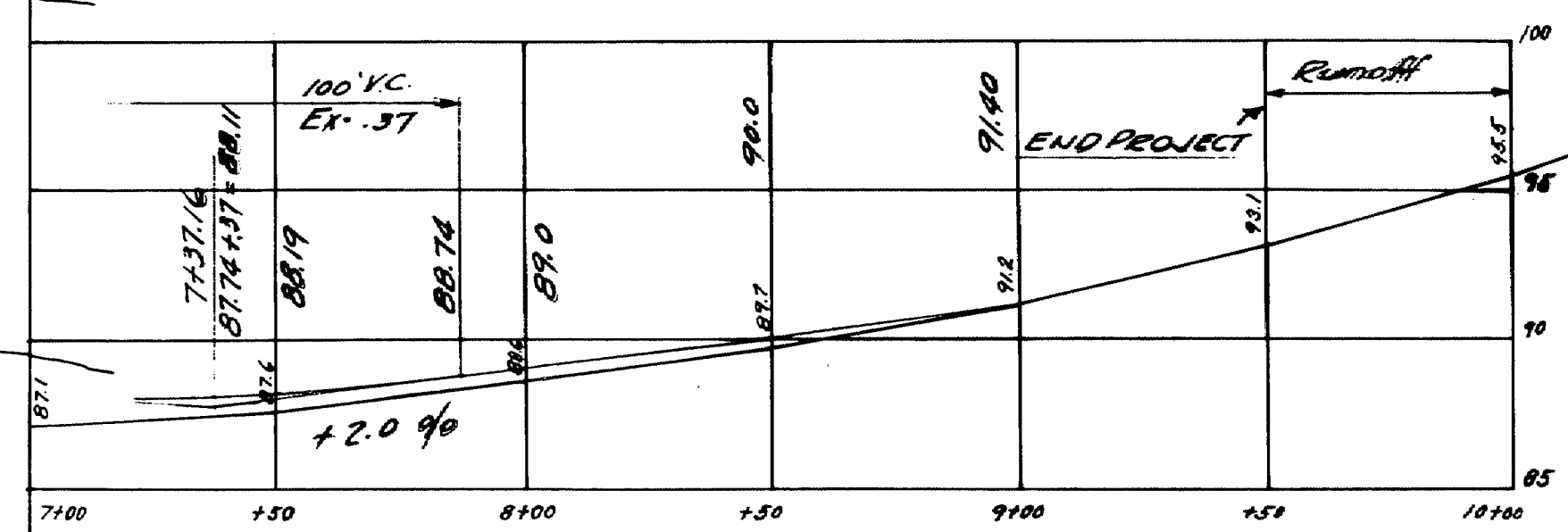
4 Mi. to Route #1
in Frankfort

Sta 10+0 SURVEY
EQUALS 10+01.79 CONSTR. E

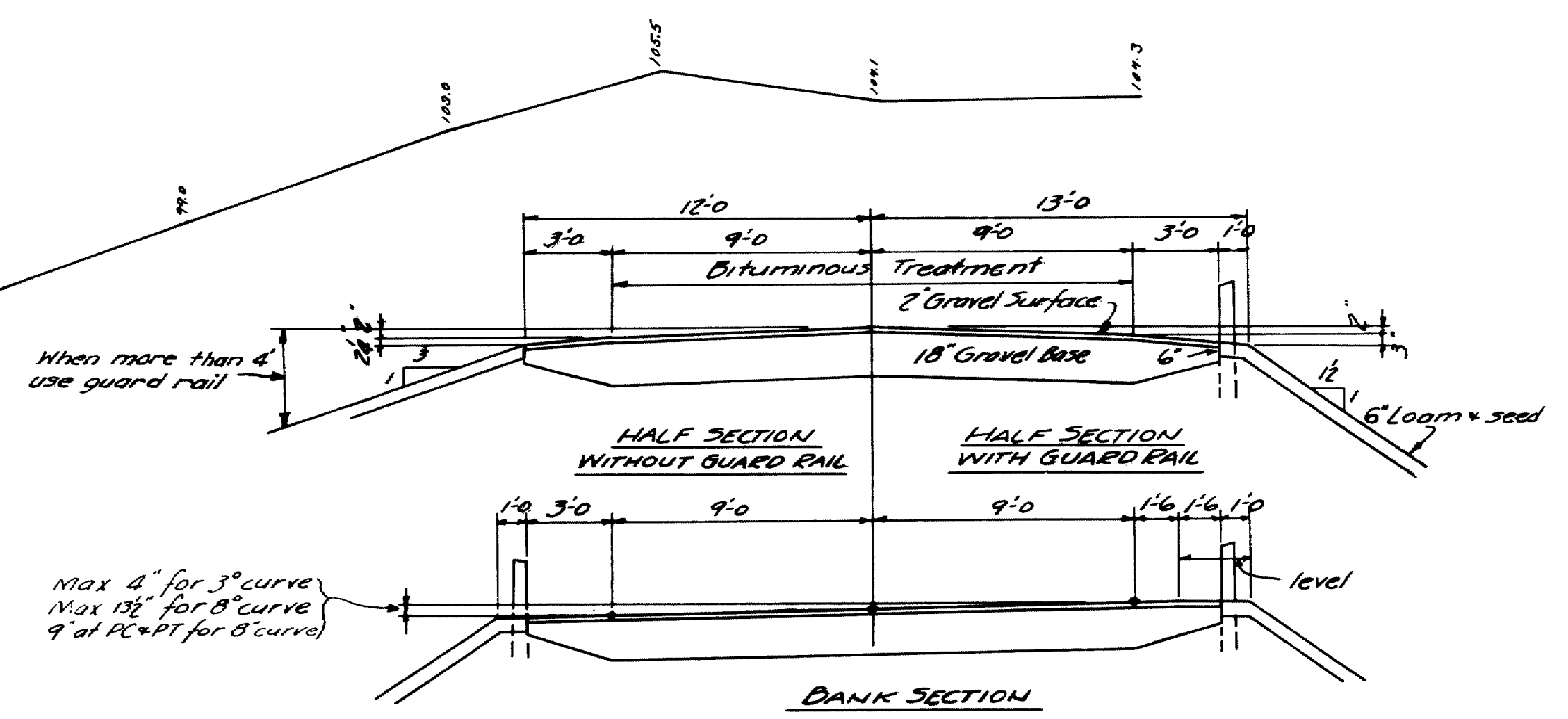
CONSTRUCTION E

PLAN 1" = 30'

MEADOW BROOK



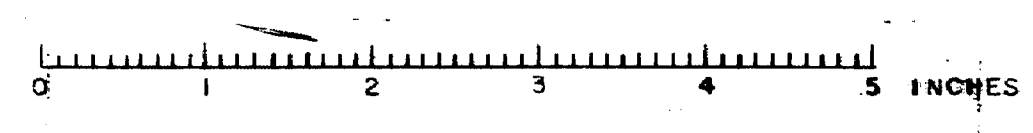
PROFILE Scales: Hor. 1" = 30' Vert. 1" = 5'

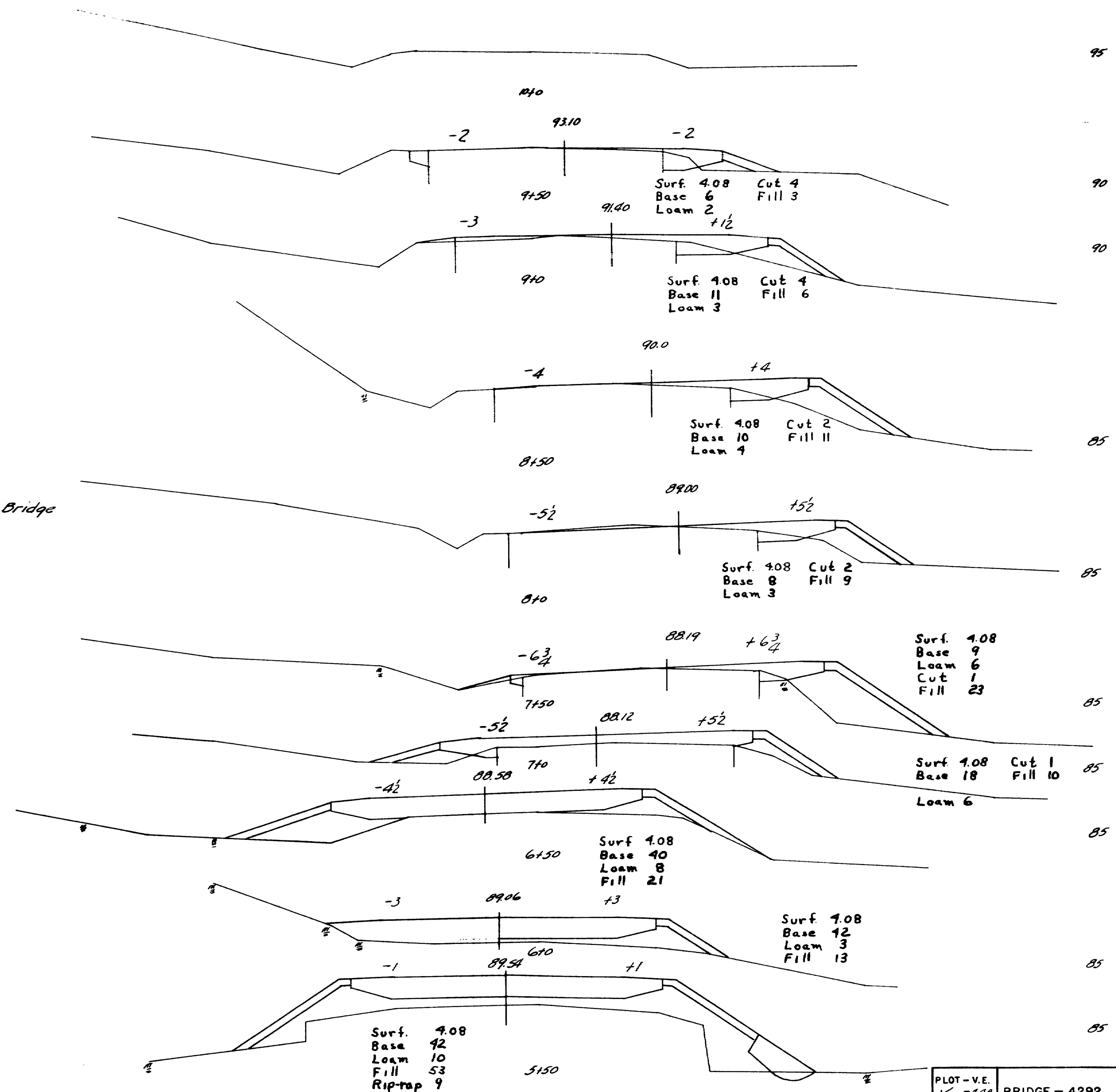
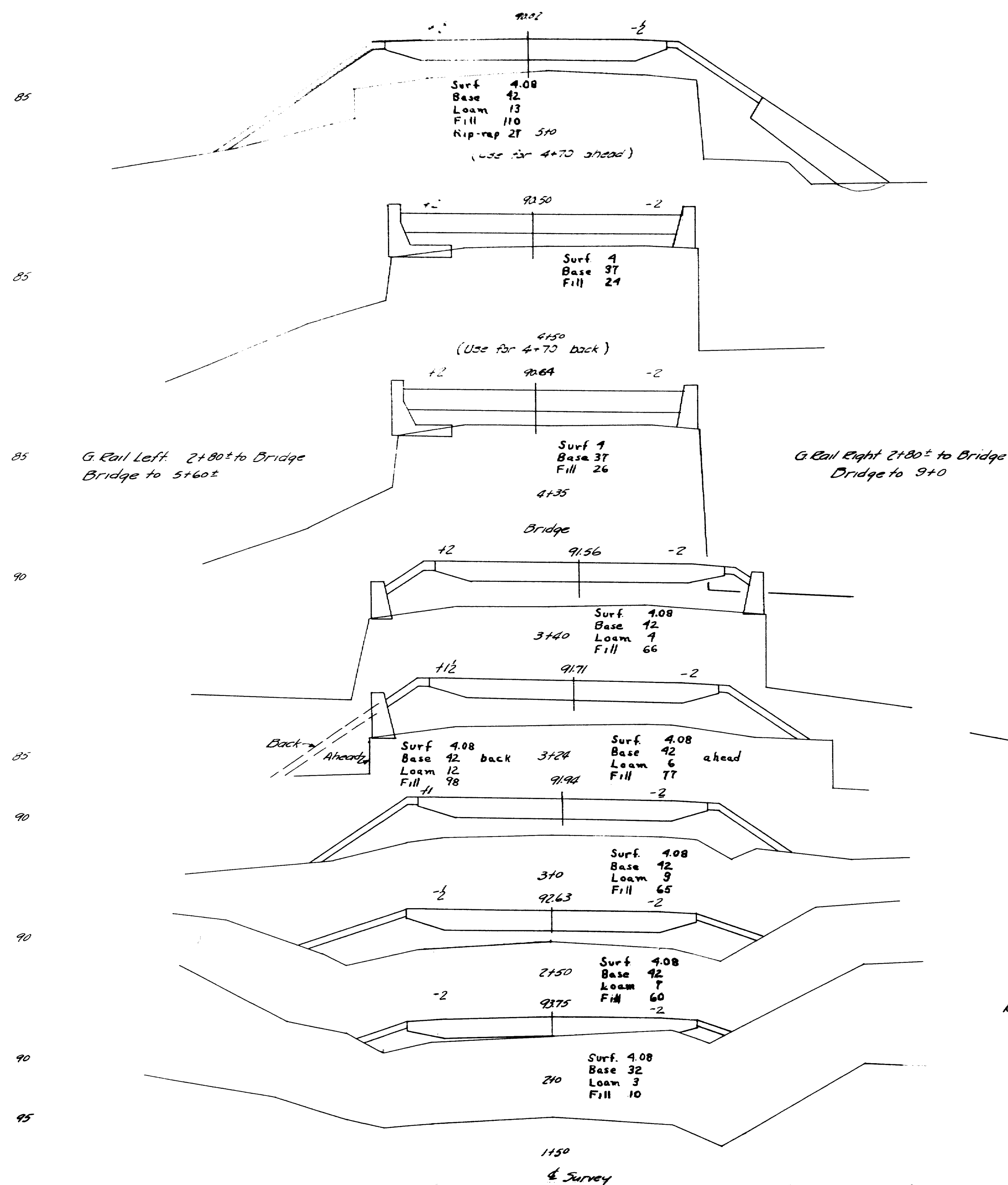


TYPICAL APPROACH SECTIONS

Town 14-05
Bridge 3344
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
TIBBETTS BRIDGE
over
MARSH STREAM
Between the towns of
FRANKFORT and WINTERPORT
WALDO COUNTY
Survey
Sheet 2 of 7 Augusta, Maine June 18, 1936

Survey by Spaulding
Plotted & Traced by G.H.P.





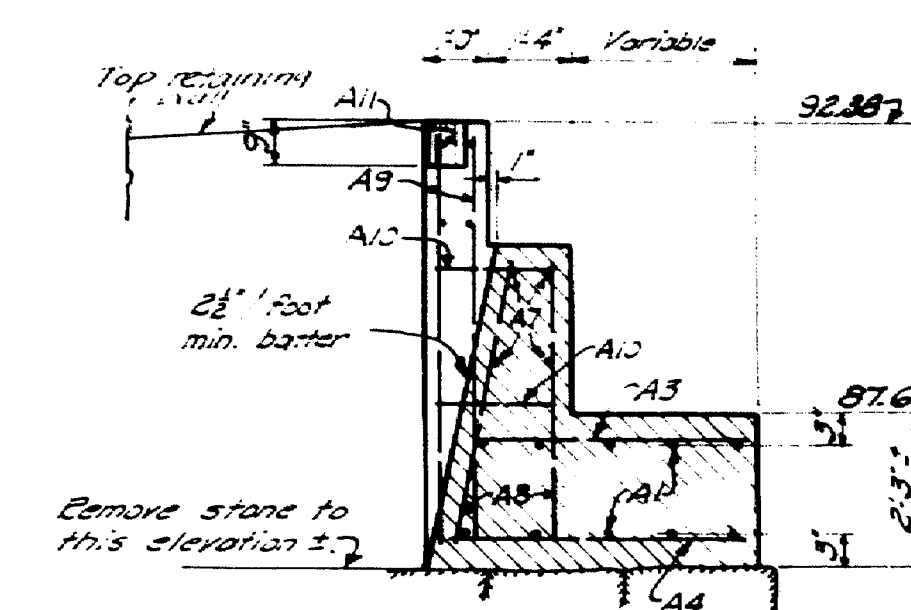
Note: Omit gravel base wherever existing material is suitable.

Survey
E

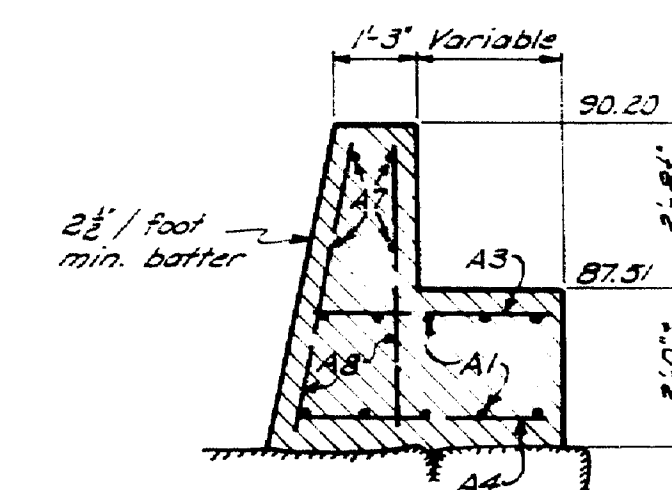
PLOT - V.E.	BRIDGE - 4292
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TIBBETTS BRIDGE OVER MARSH STREAM BETWEEN THE TOWNS OF FRANKFORT & WINTERPORT WALDO COUNTY CROSS SECTIONS SHEET 3 OF 7 AUGUSTA, MAINE JUNE 1950	

51-53

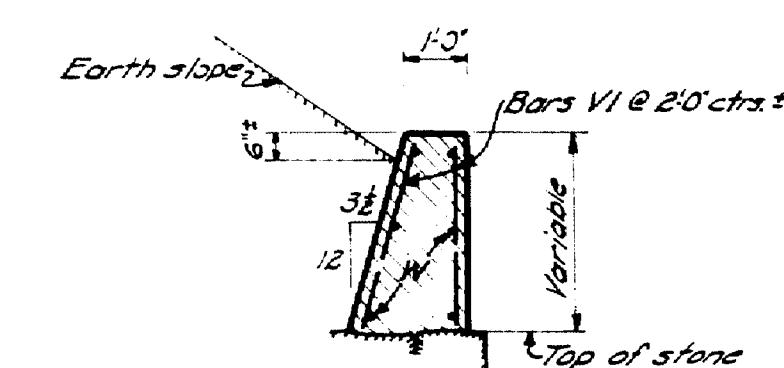
0 1 2 3 4 5 INCHES



SECT. A-A



SECT. B-B



TYPICAL SECT. C-C

FRONT ELEV.

Remove existing evidence

DESIGN -- EVERETT
TRACE -- CLARK
CHECK -- *CLC*

BRIDGE -- 4292

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TIBBETTS BRIDGE

OVER

MARSH STREAM

BETWEEN THE TOWNS OF

FRANKFORT & WINTERPORT

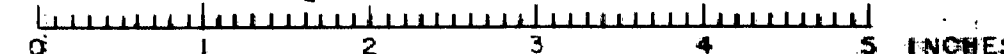
WALDO COUNTY

ABUTMENT NO. 1

SHEET 4 OF 7 AUGUSTA, MAINE JUNE 19

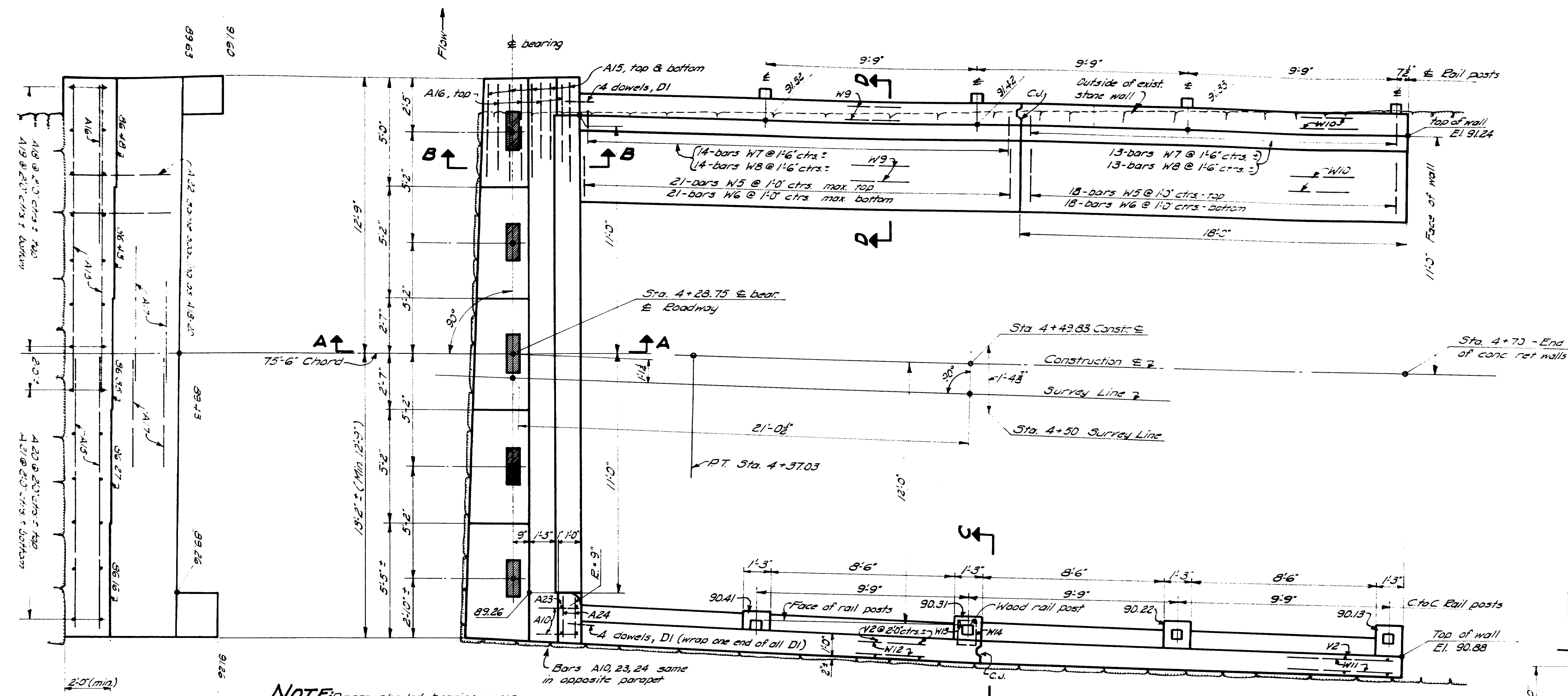
SHEET 4 OF 7 AUGUSTA, MAINE JUNE 1950

51-54



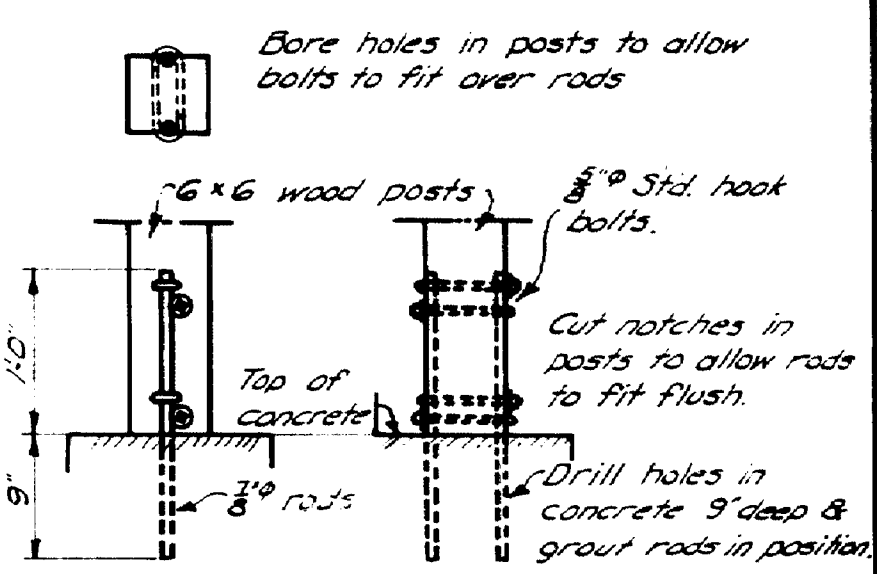
NOTE: Bridge existing stone masonry abutment to be repaired & widened.

FRONT ELEV.



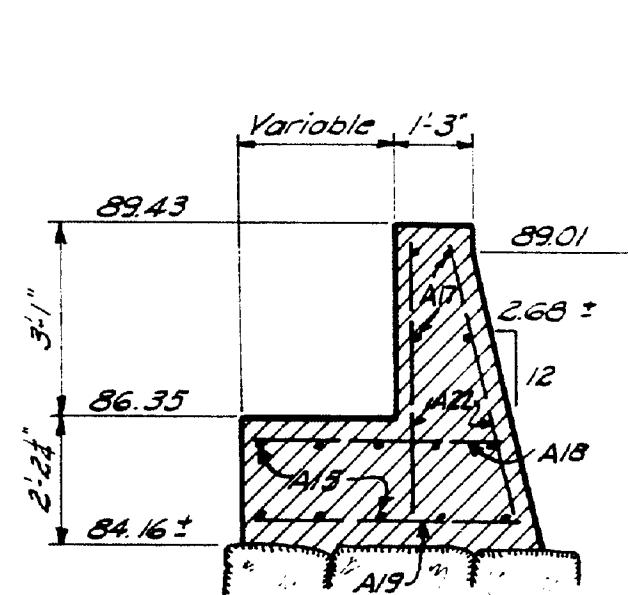
NOTE: Dress shaded bearing areas plus 1" all around larger than masonry plates to exact elevation as shown.

PLAN - ABUT. #2

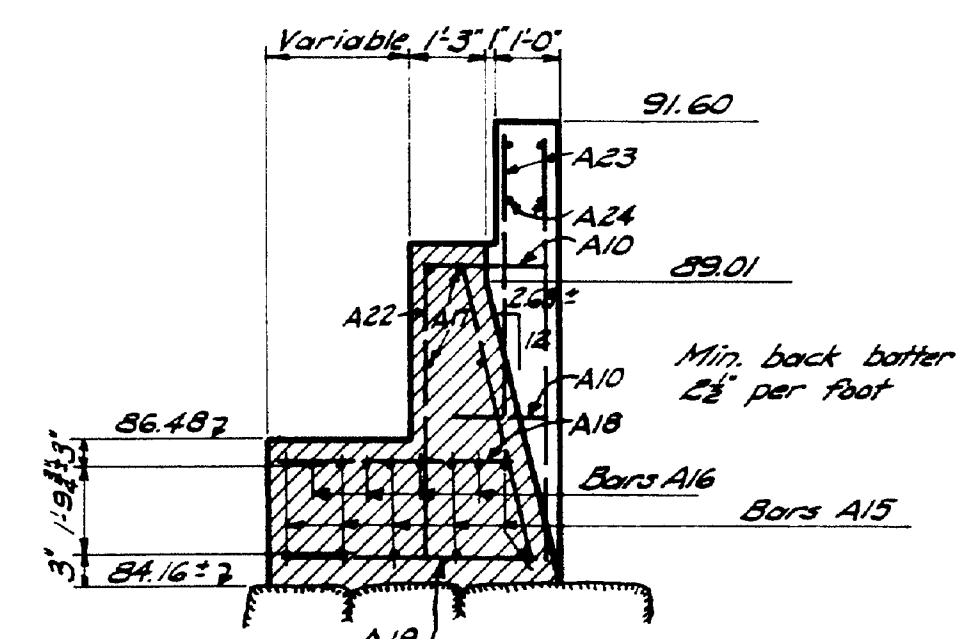


RAIL POST DETAILS

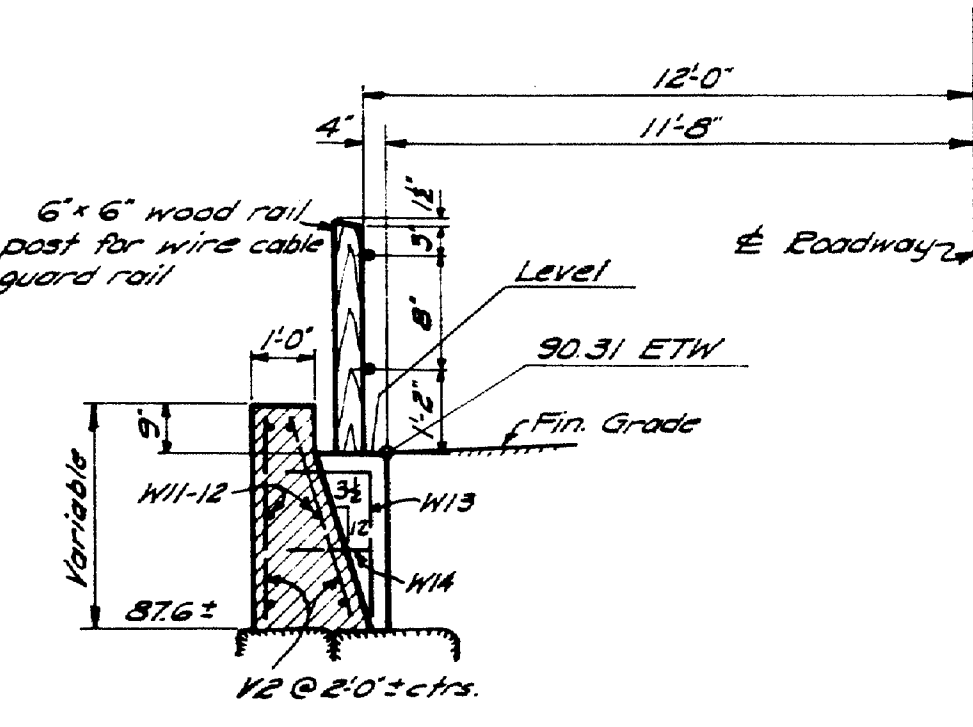
For U.S. wall abut. #2. Furnishing and placing all bolts, rods, and hardware; also drilling and grouting rods, to be paid for under Item 28A.



SECT. A-A

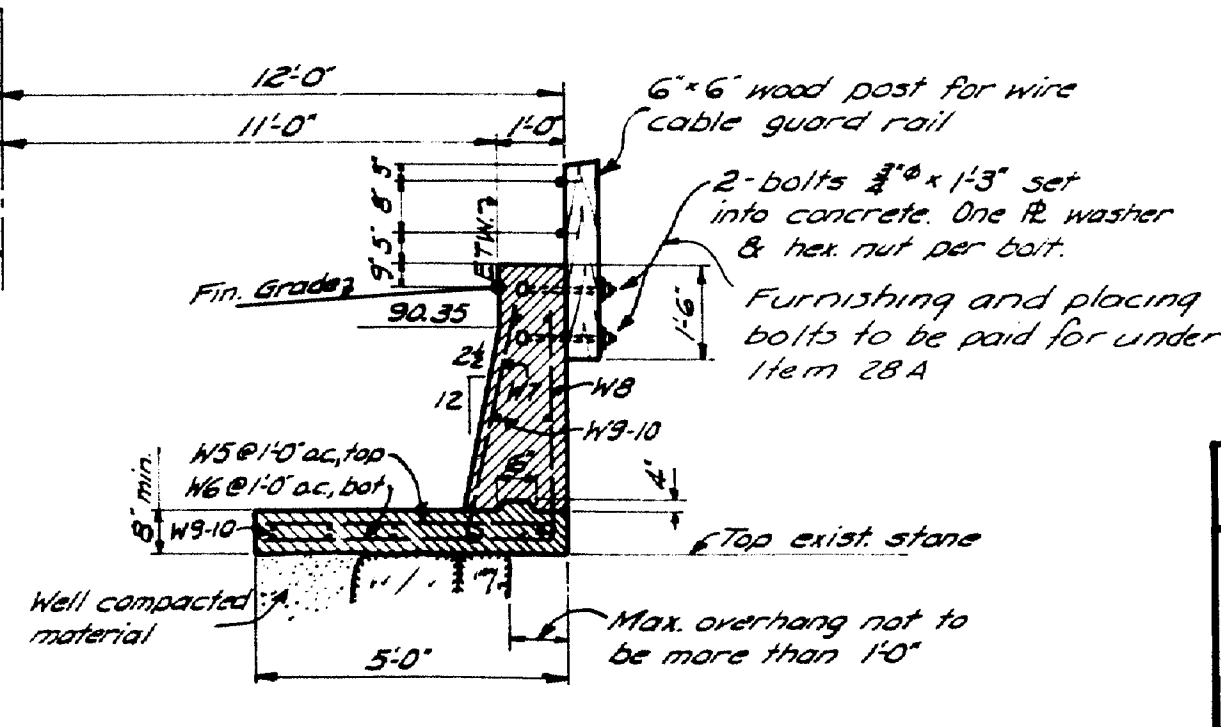


SECT. B-B



SECT. C-C

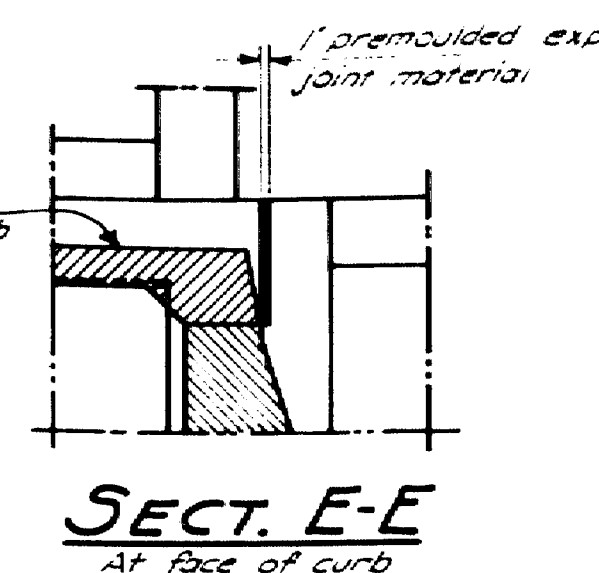
Typical for this wall. See 'Rail Post Details' on this sheet.



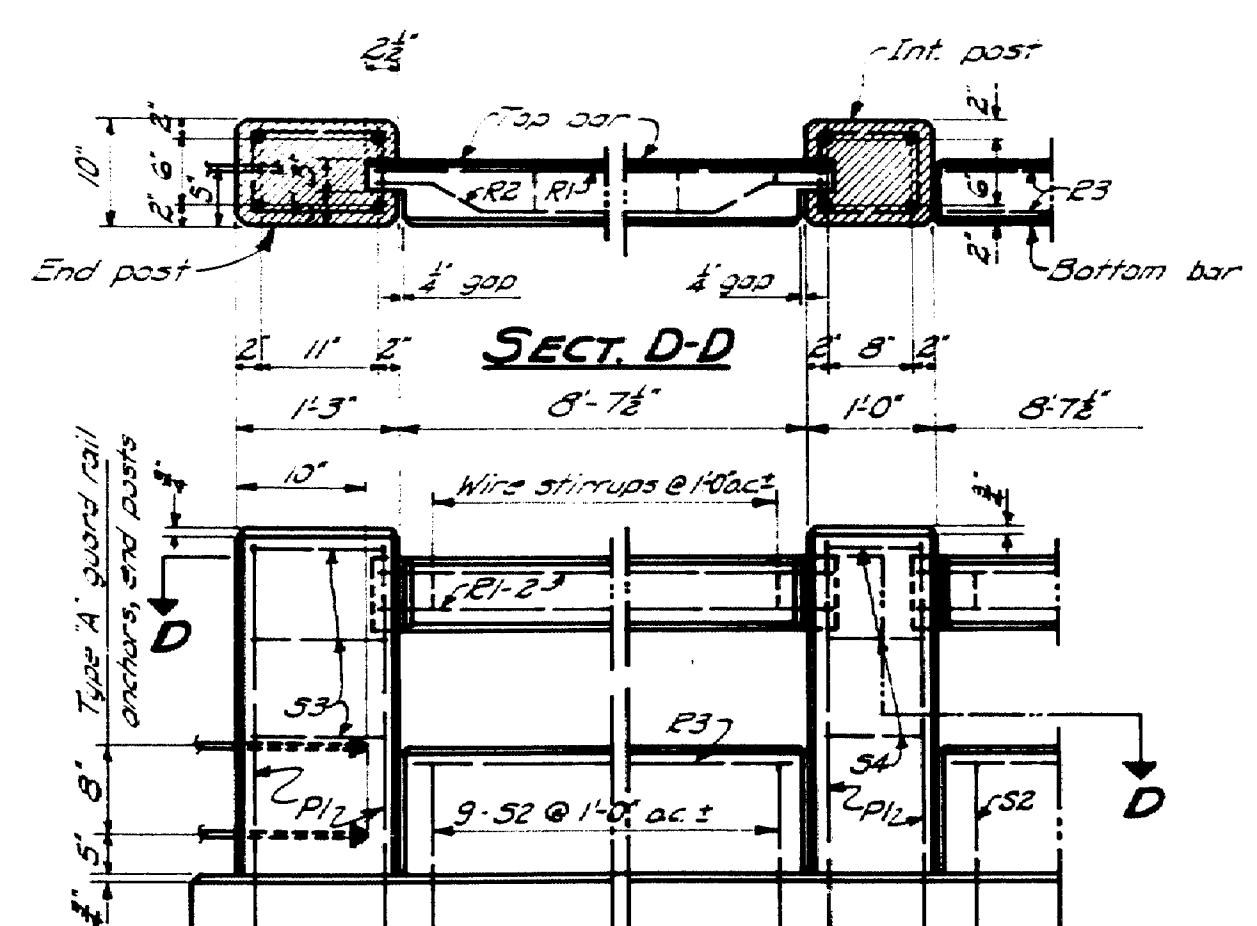
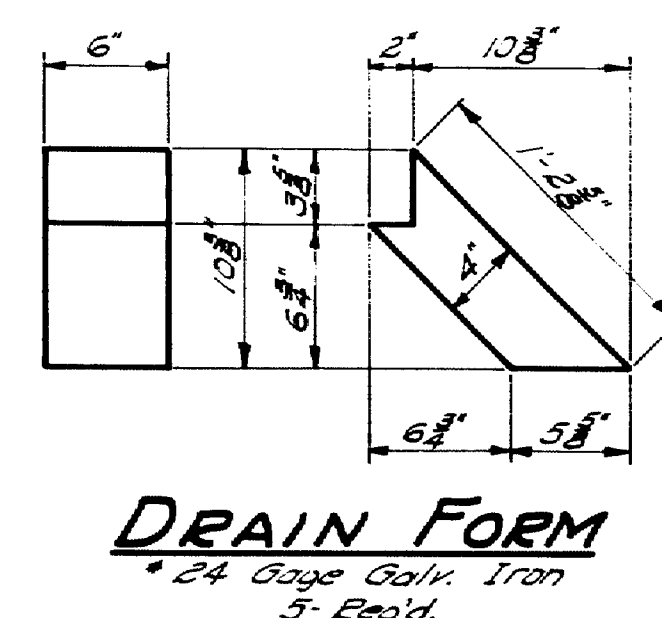
SECT. D-D

Typical for D.S. retaining wall

DESIGN - EVERETT	BRIDGE - 4292
TRACE - CLARK	
CHECK - [initials]	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TIBBETTS BRIDGE	
OVER	
MARSH STREAM	
BETWEEN THE TOWNS OF	
FRANKFORT & WINTERPORT	
WALDO COUNTY	
ABUTMENT NO. 2	
SHEET 5 OF 7 AUGUSTA, MAINE JUNE 1950	



Dimensions to E of bars. All reinforcing steel shall conform to A.S.T.M. Specifications A305-49.

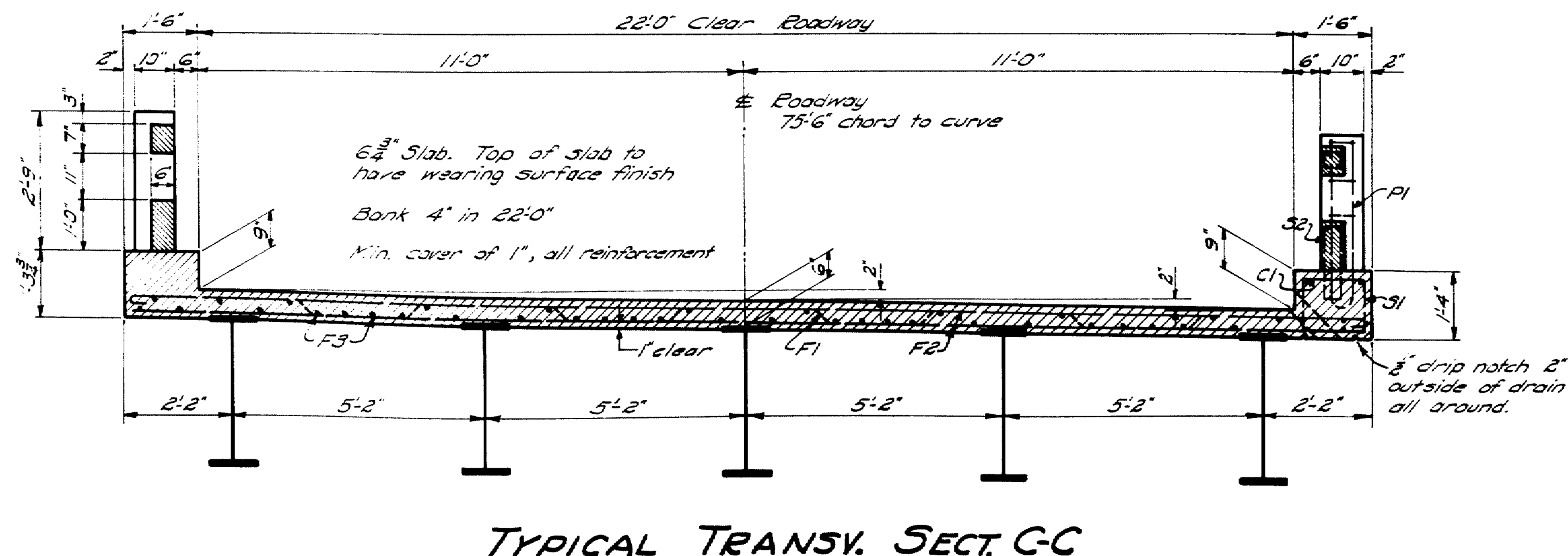


CONCRETE CLASSIFICATION

Abutments & ret. walls.....Class X-X
Slab.....Class A
Rail.....Class Y

Loading H-15-44

$f_s = 18,000 \text{ psi}$
 $f_c = 1,000 \text{ psi}$
 $n = 10$



RAIL DETAILS

Cast curb with slab. Steel for posts and bottom bar to be in position before curb is placed. Cast lower bar in place. Precast top bar and set in position so that the ends project into post forms 4". Wrap the tongue ends with two layers of heavy roofing. Build post forms and cast posts. Chamber exposed edges of concrete & unless otherwise indicated. Rail posts to be vertical.

Construct wire stirrups from a single strand of #9 annealed wire. In forming the stirrups make a complete turn around each reinforcing bar.

DESIGN - EVERETT	BRIDGE - 4292
TRACE - CLARK	
CHECK - <i>W. L. L.</i>	

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TIBBETTS BRIDGE

OVER

MARSH STREAM

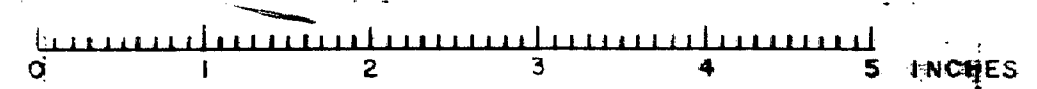
BETWEEN THE TOWNS OF

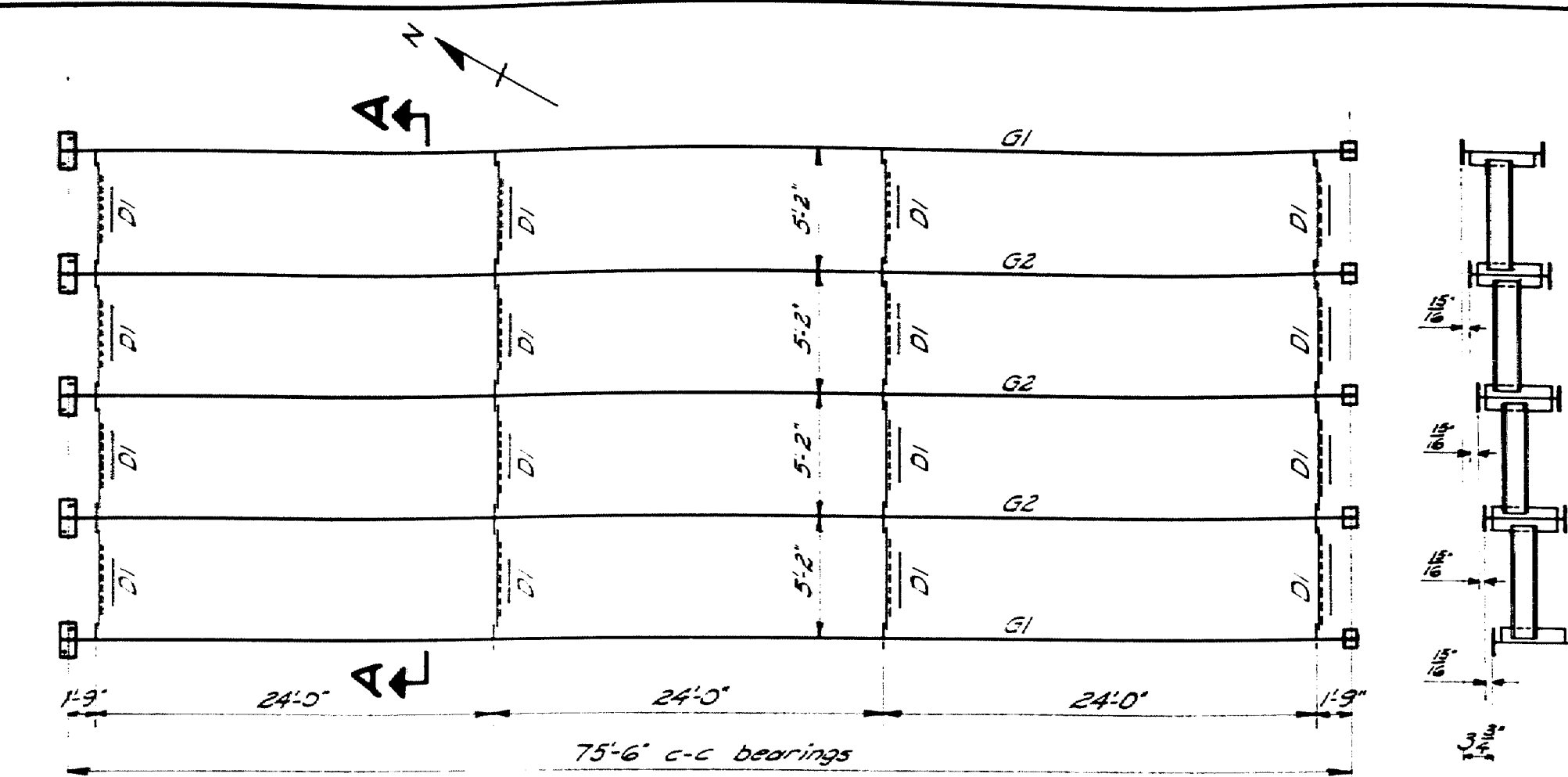
FRANKFORT & WINTERPORT

WALDO COUNTY

SUPERSTRUCTURE

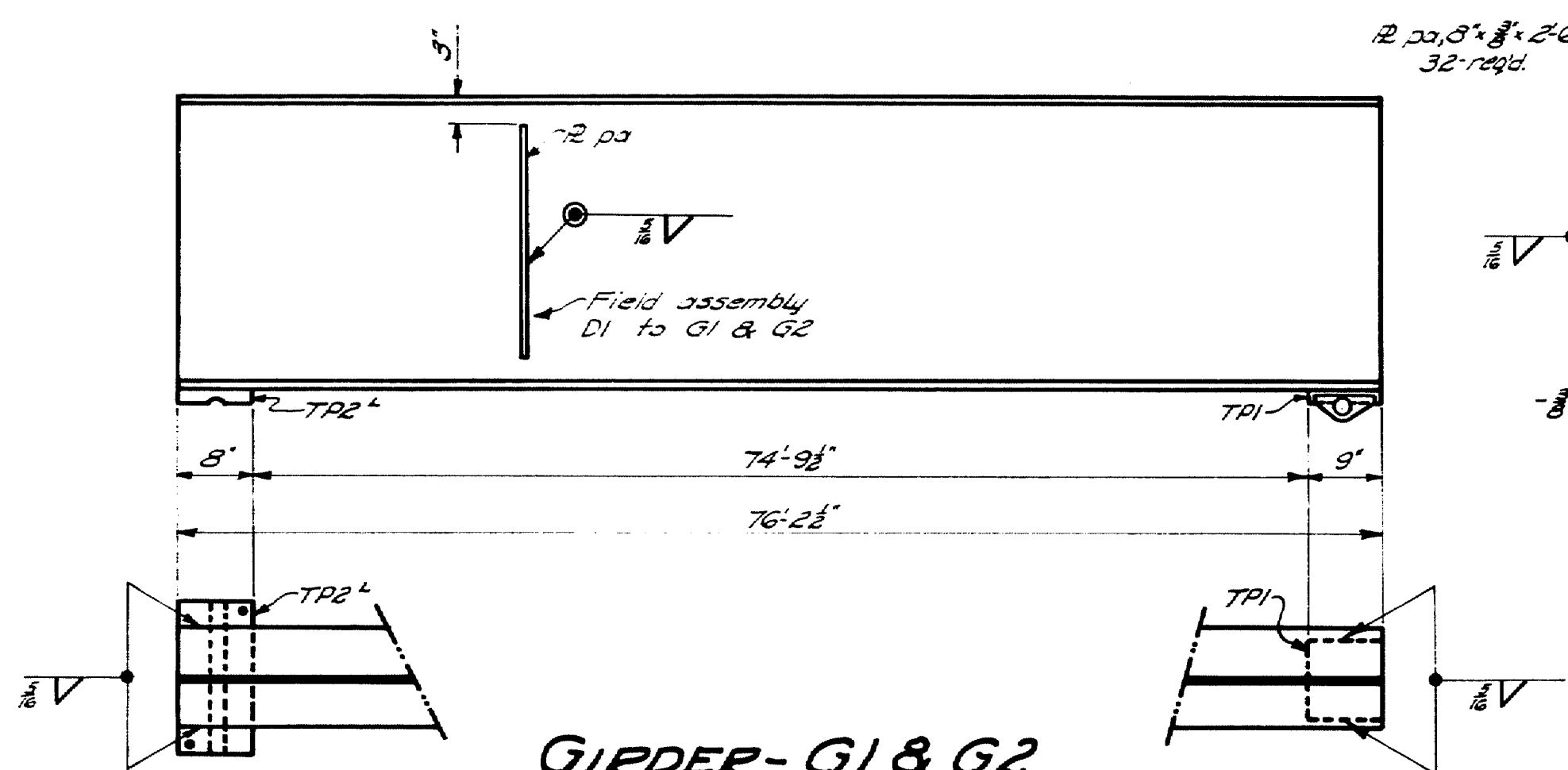
SHEET 6 OF 7 AUGUSTA, MAINE JUNE 1930





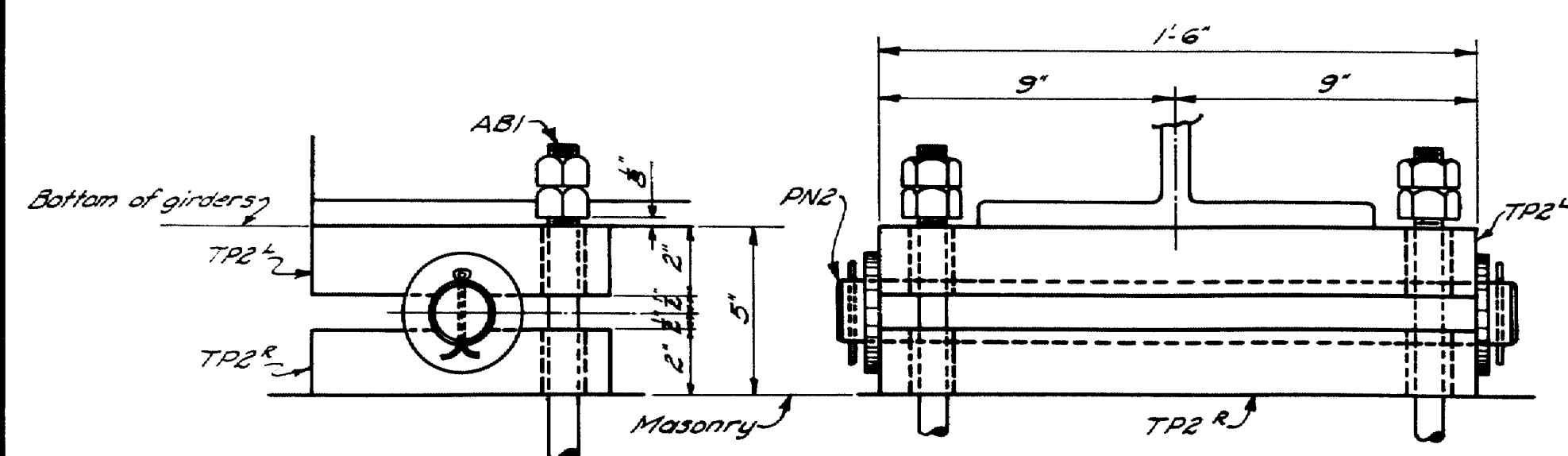
ERECTION DIAGRAM

- Reqd for each bearing
- | | |
|--------------------|-----------|
| Fixed | Expansion |
| 1-TP2 ^R | 1-ERI |
| 1-TP2 ^L | 1-TP1 |
| 1-PN2 | 1-MPI |
| 2-ABI | 1-PN1 |
| | 2-W1 |
| | 2-ABI |



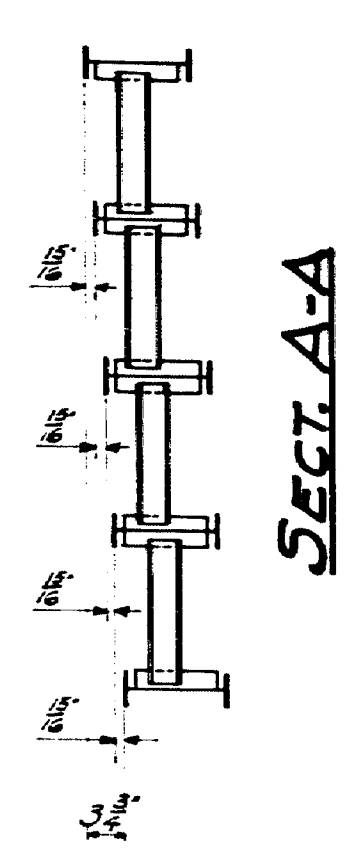
GIRDER - G1 & G2

G1 - 36" WF @ 102" x 76' 2 1/2" - 2 Req'd - Camber 3"
G2 - 36" WF @ 160" x 76' 2 1/2" - 3 Req'd - Camber 3"

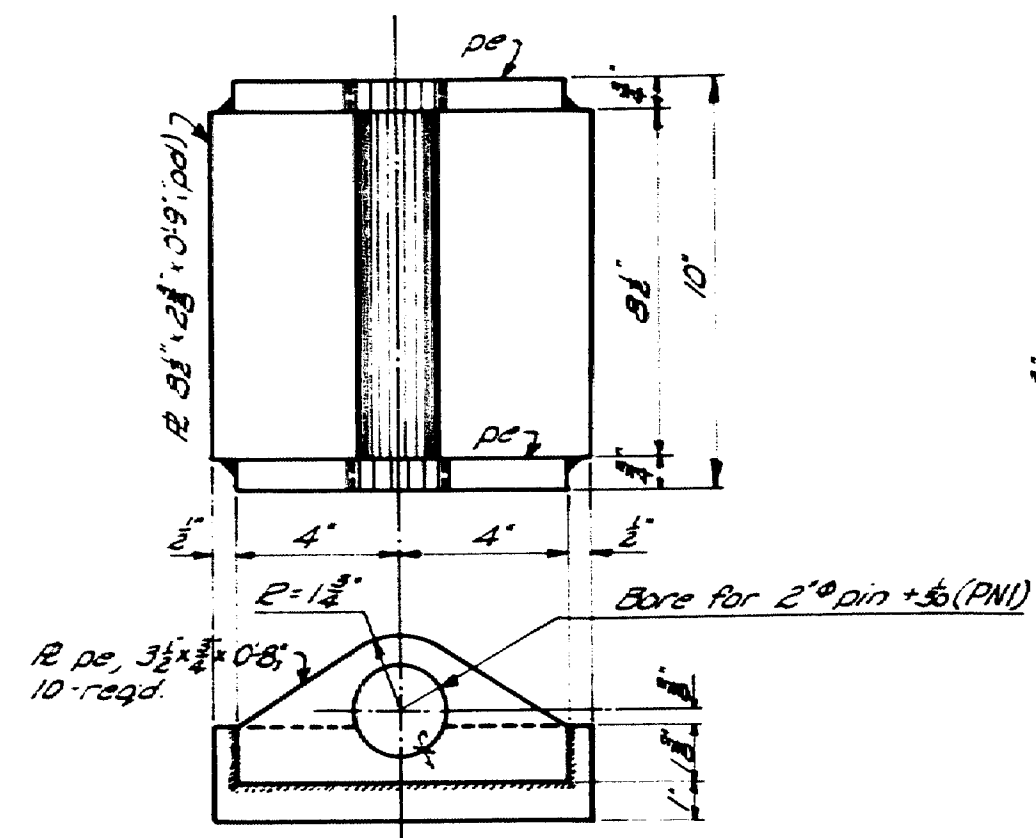


EXPANSION PEDESTAL

Assembly

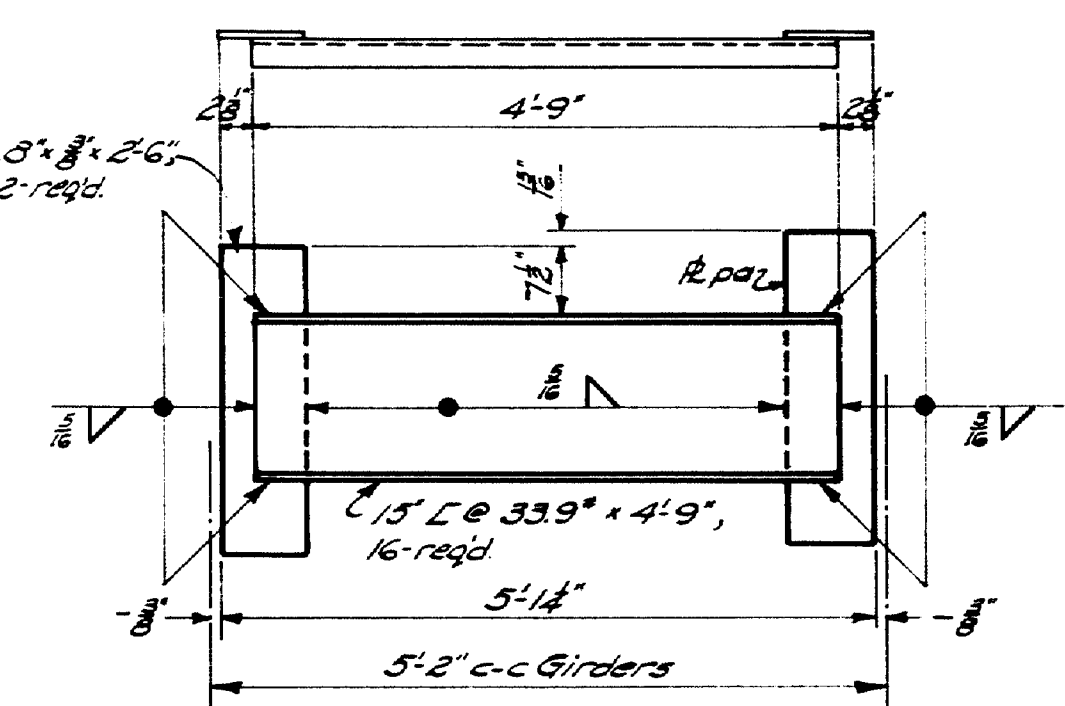


SECT. A-A



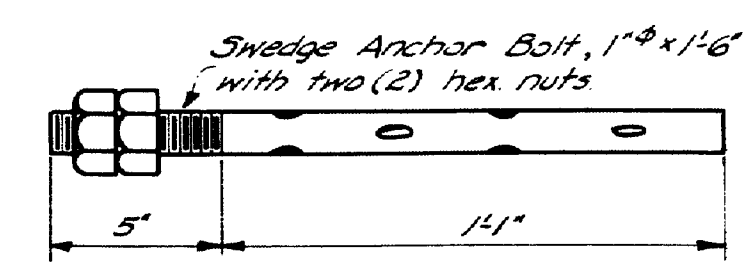
TOP PLATE - TP1

5-Req'd



DIAPHRAGM - DI

16-Req'd



SWEDGE ANCHOR BOLT - ABI

20-Req'd

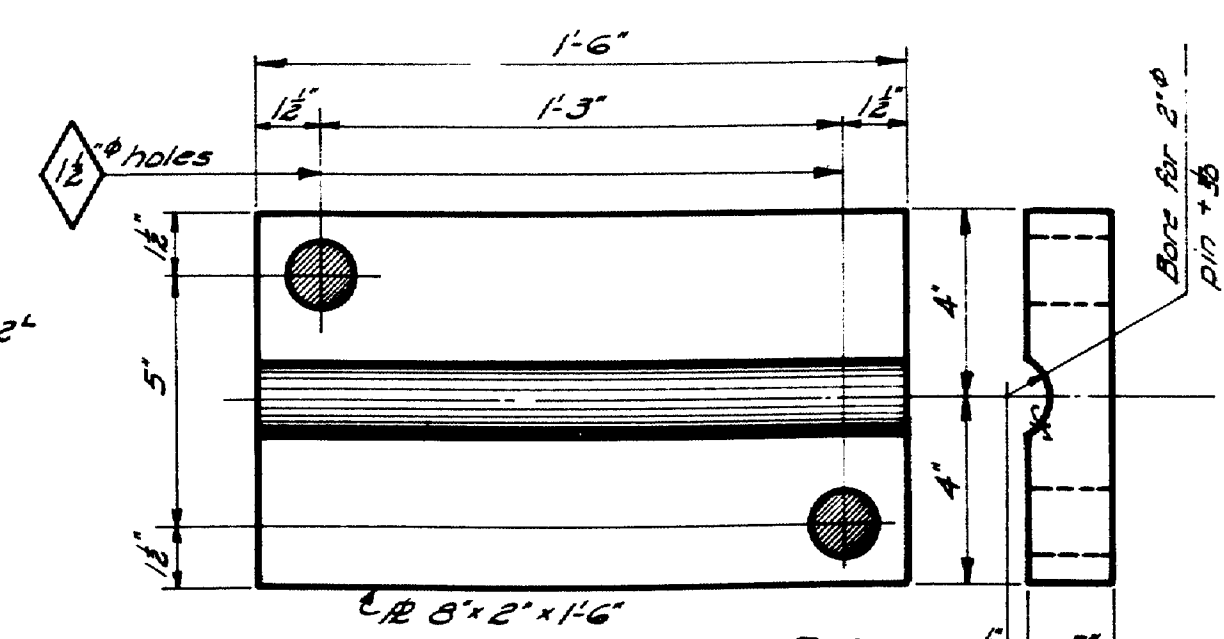
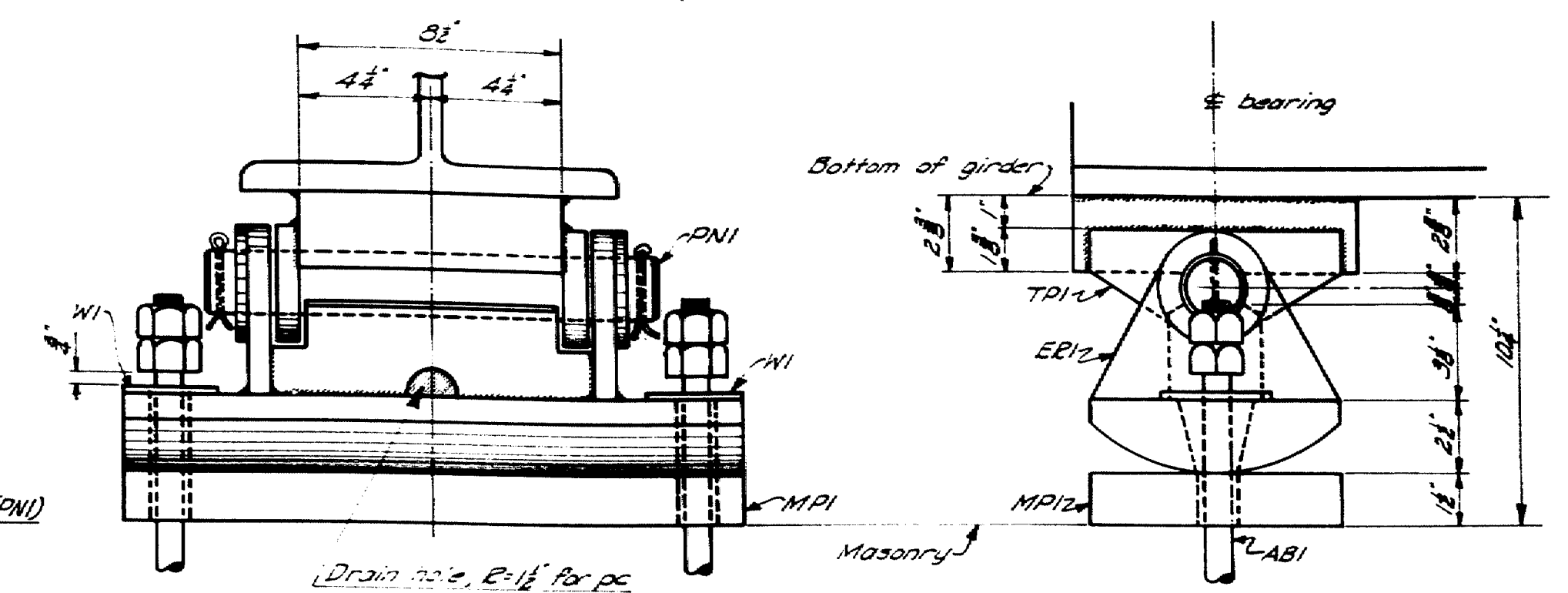


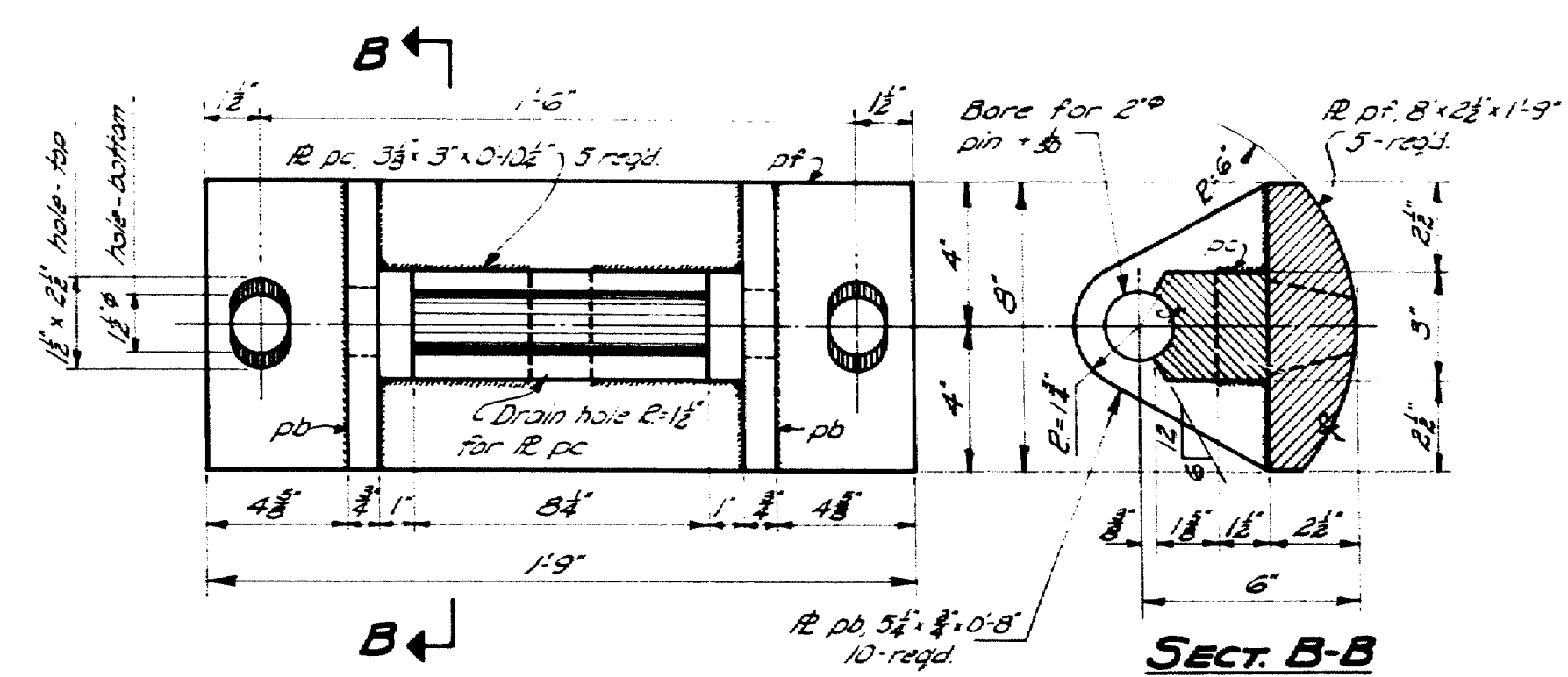
PLATE - TP2

TP2^R - as shown - 5-req'd.
TP2^L - opp. hand - 5-req'd.



EXPANSION PEDESTAL

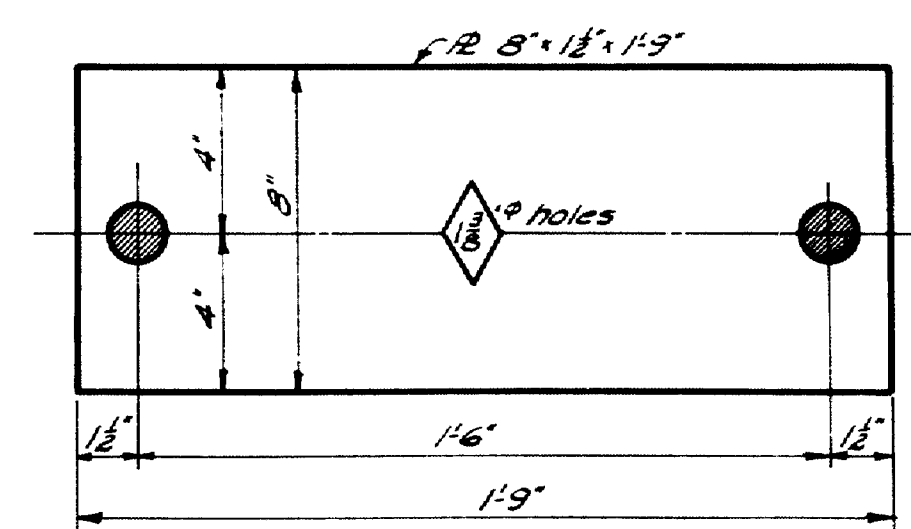
Assembly



ROCKER - ERI

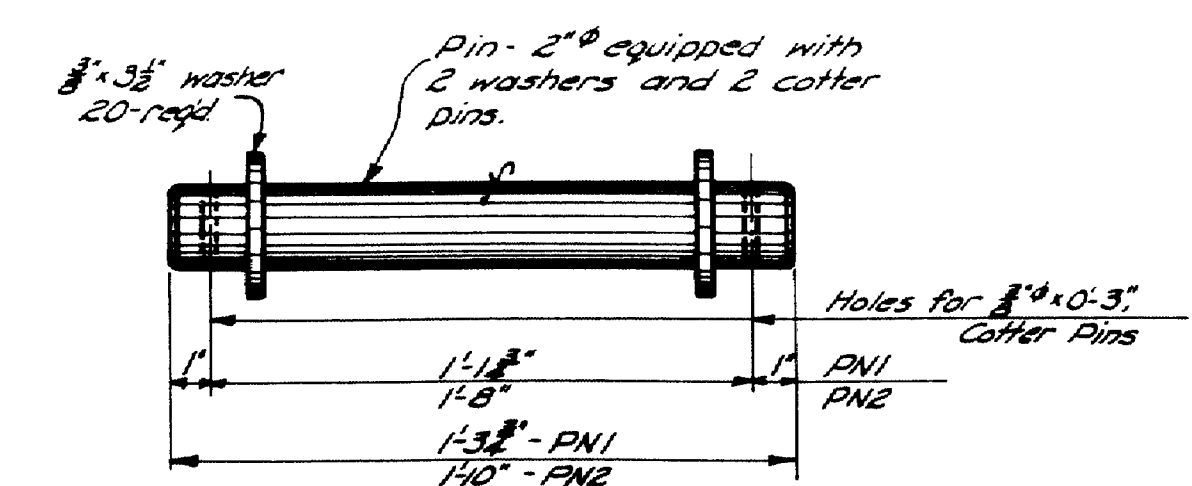
5-Req'd

NOTE: All welds 3/8" filler shop, for ERI & TP1



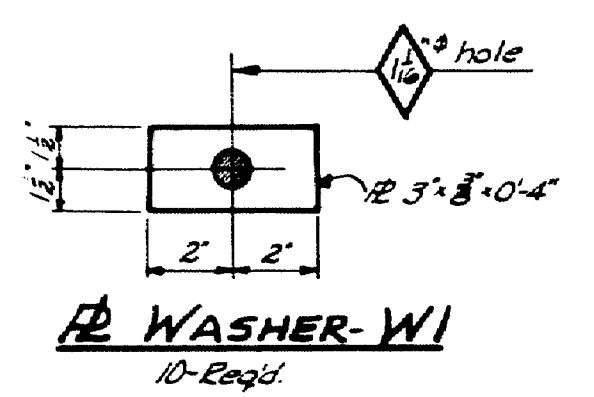
MASONRY PLATE - MPI

5-Req'd



PIN - PN1, PN2

PN1 - 5-Req'd.
PN2 - 5-Req'd.



WASHER - W1

10-Req'd

SPECIFICATIONS

State of Maine, State Highway Commission, Bridge Division, Specifications for Steel Highway Bridges, November 1945.

Loading - H15-44

Painting - Shop contact surfaces not painted. Machine finished surfaces to be coated with a hot mixture of white lead and tallow, or other approved coating.

DESIGN - EVERETT	BRIDGE - 4292
TRACE - CLARK	
CHECK - 12/26	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TIBBETTS BRIDGE	
OVER	
MARSH STREAM	
BETWEEN THE TOWNS OF	
FRANKFORT & WINTERPORT	
WALDO COUNTY	
STRUCTURAL STEEL	
SHEET 7 OF 7 AUGUSTA, MAINE JUNE 1950	