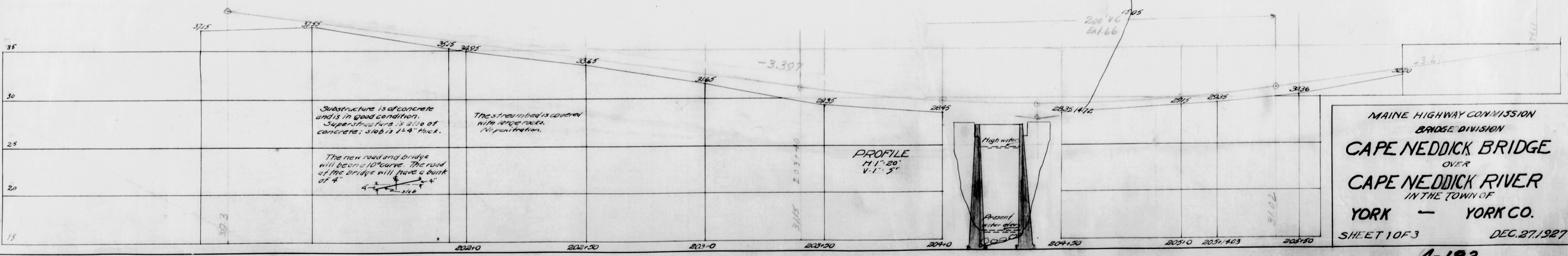


DRAINAGE AREA  
570.59 mi

PLAN  
SCALE 1" = 20'



Substructure is of concrete and is in good condition. Superstructure is 20' of concrete; slab is 12" thick.

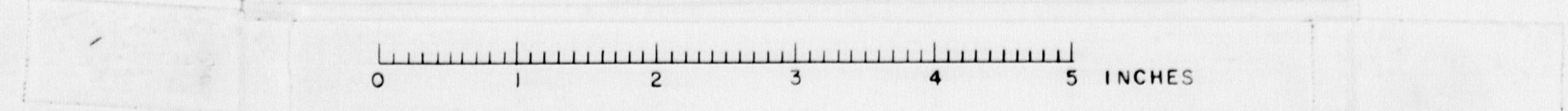
The new road and bridge will be on a 10° curve. The road of the bridge will have a bank of 4'.

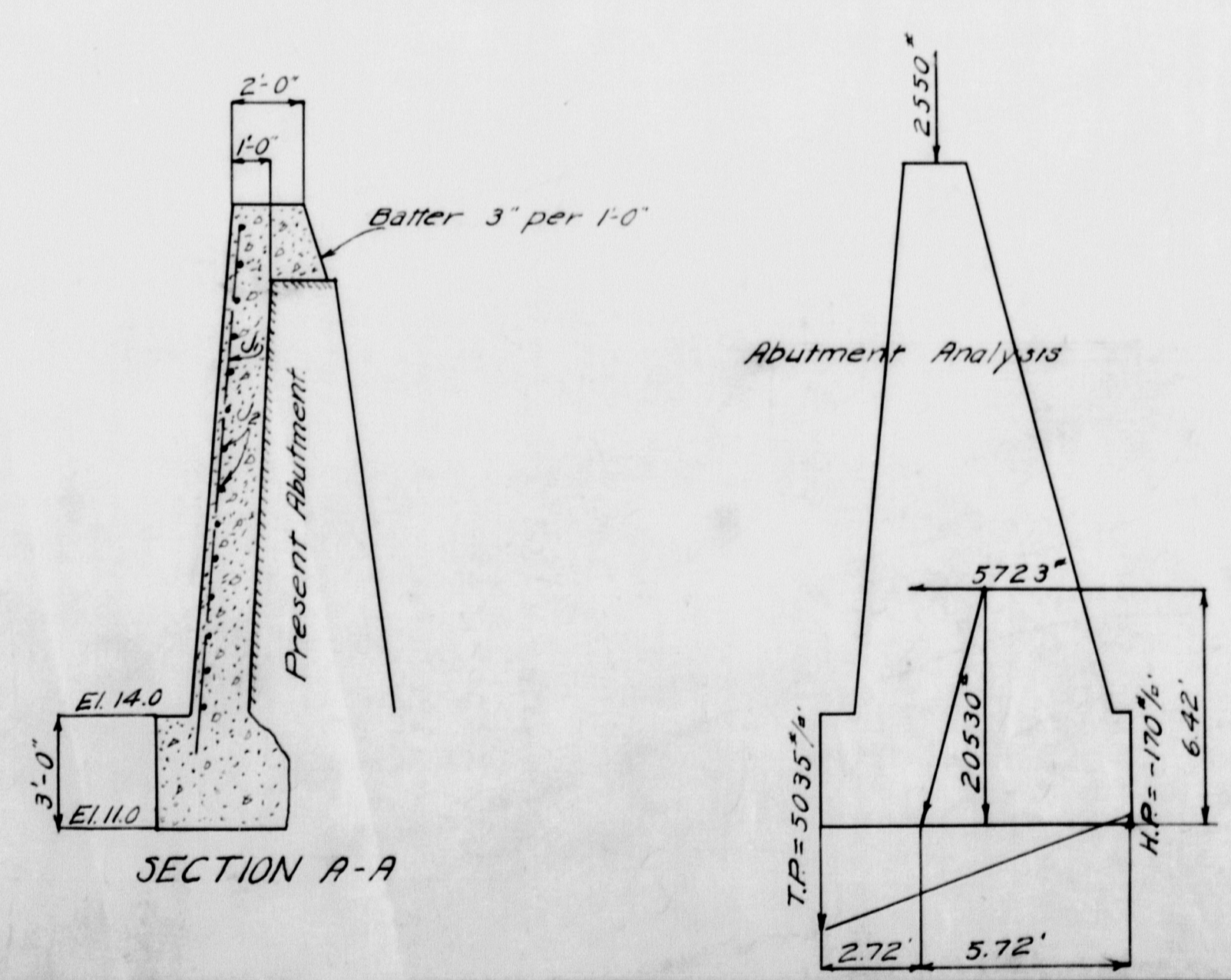
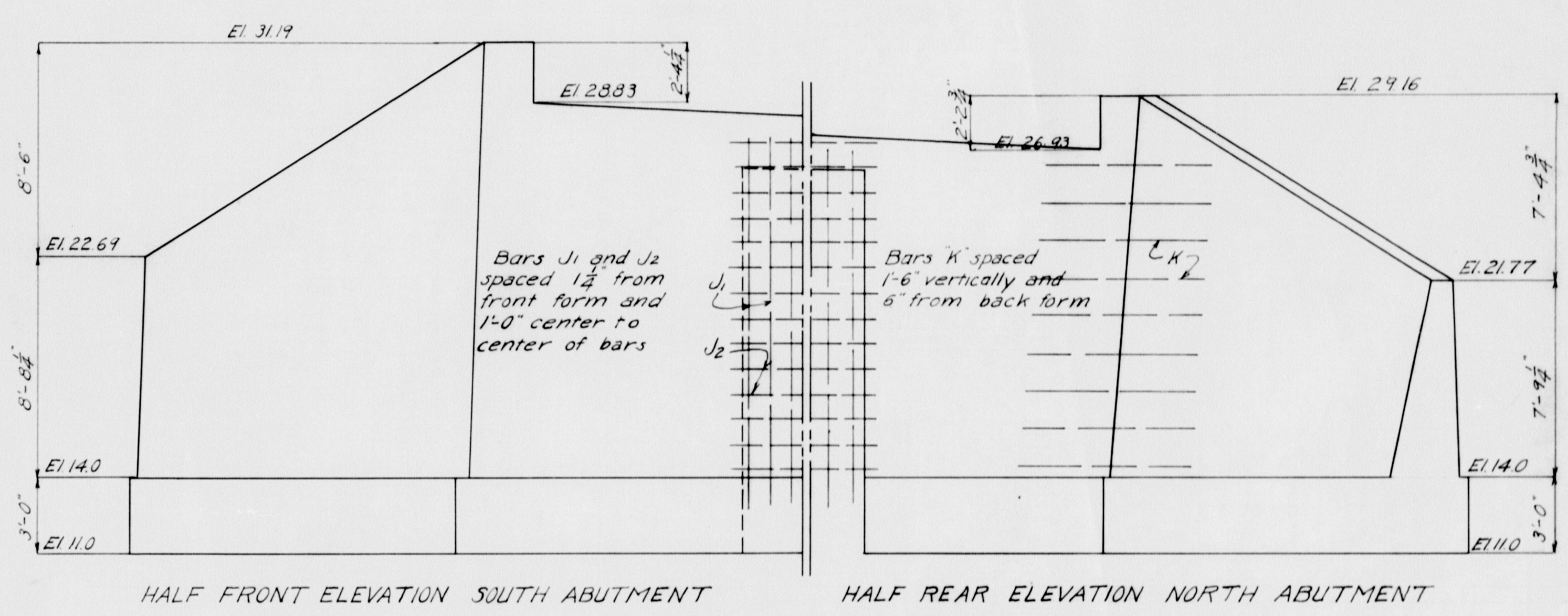
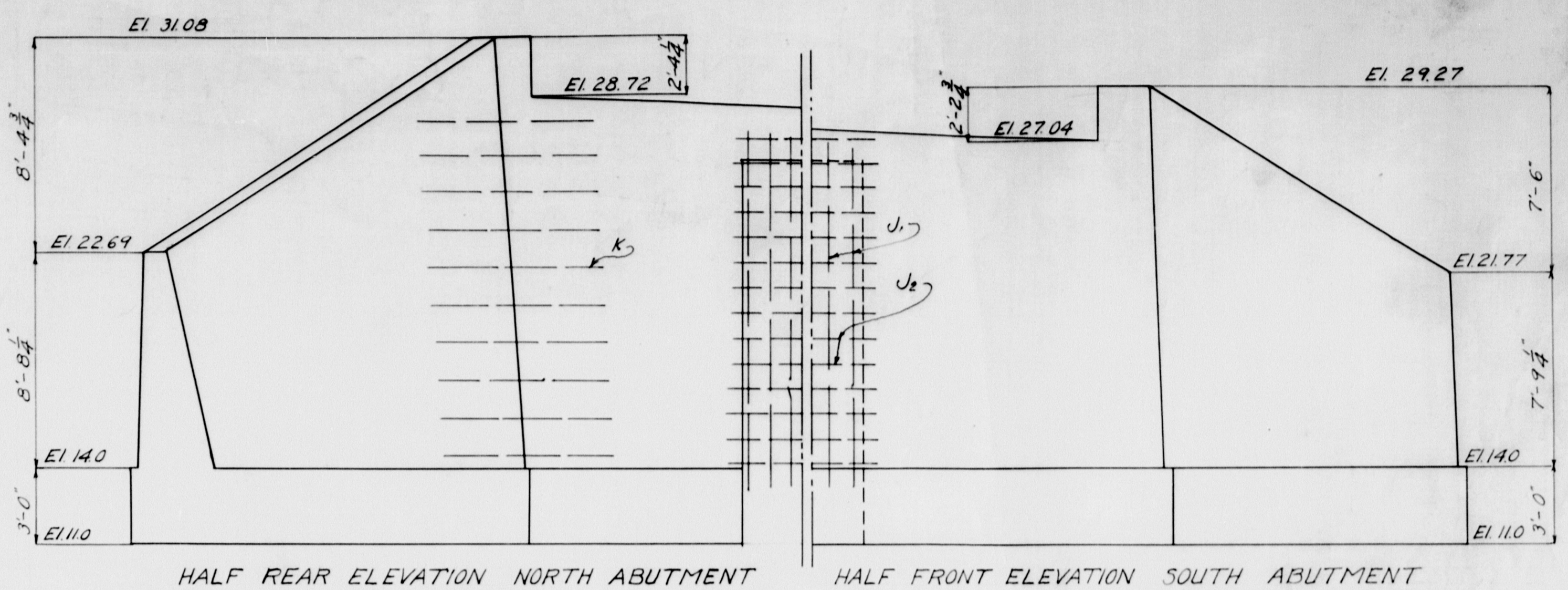
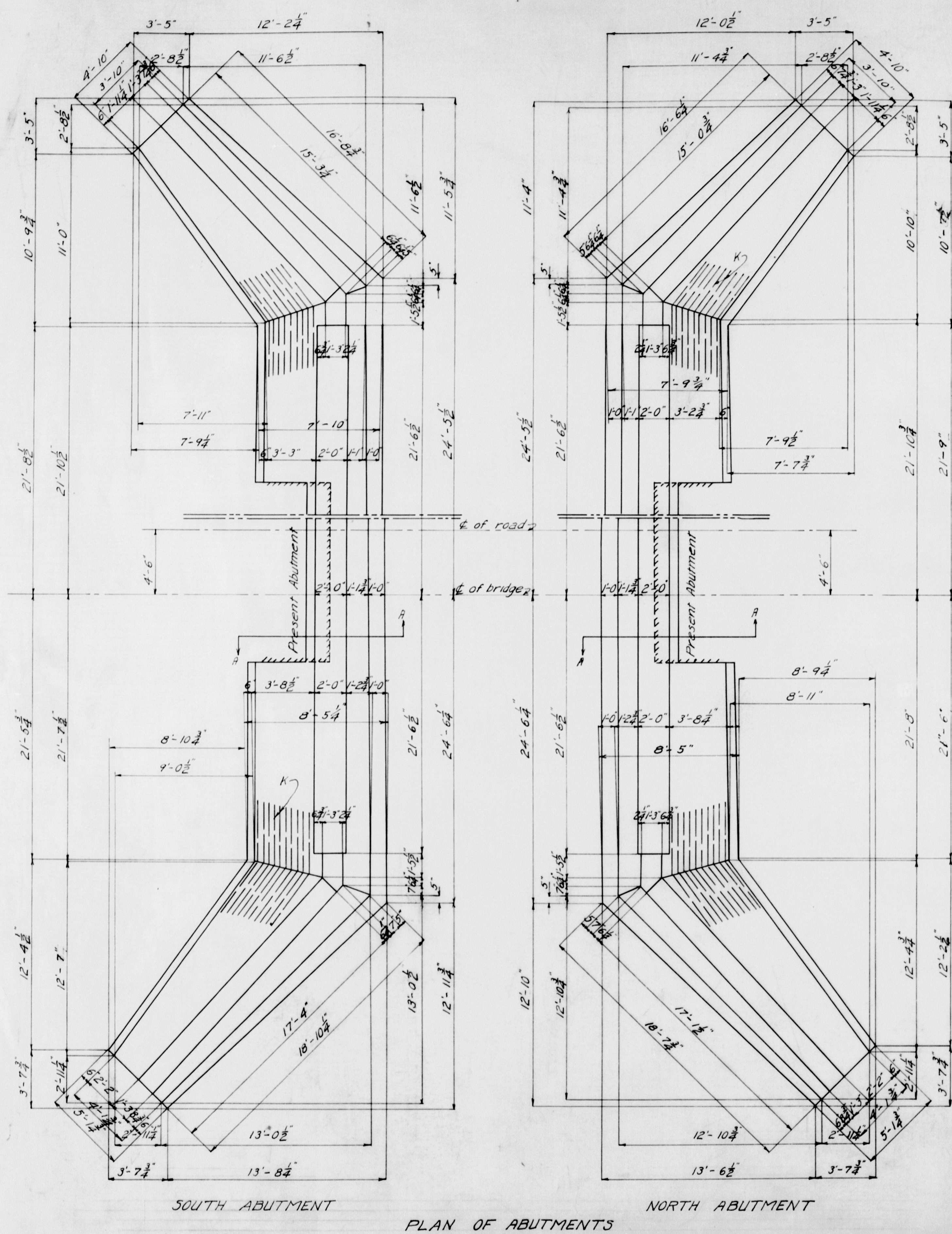
The stream bed is covered with large rocks. No penetration.

PROFILE  
1 1/2" = 20'  
1" = 20'

MAINE HIGHWAY COMMISSION  
BRIDGE DIVISION  
**CAPE NEDDICK BRIDGE**  
OVER  
**CAPE NEDDICK RIVER**  
IN THE TOWN OF  
**YORK — YORK CO.**  
SHEET 1 OF 3  
DEC. 27, 1927

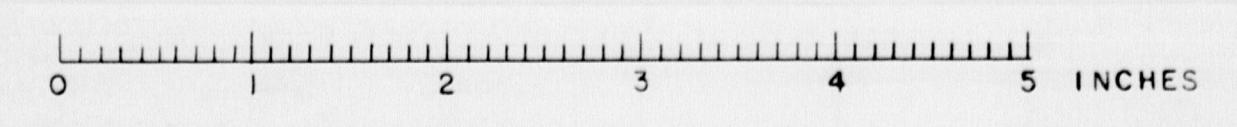
4-183

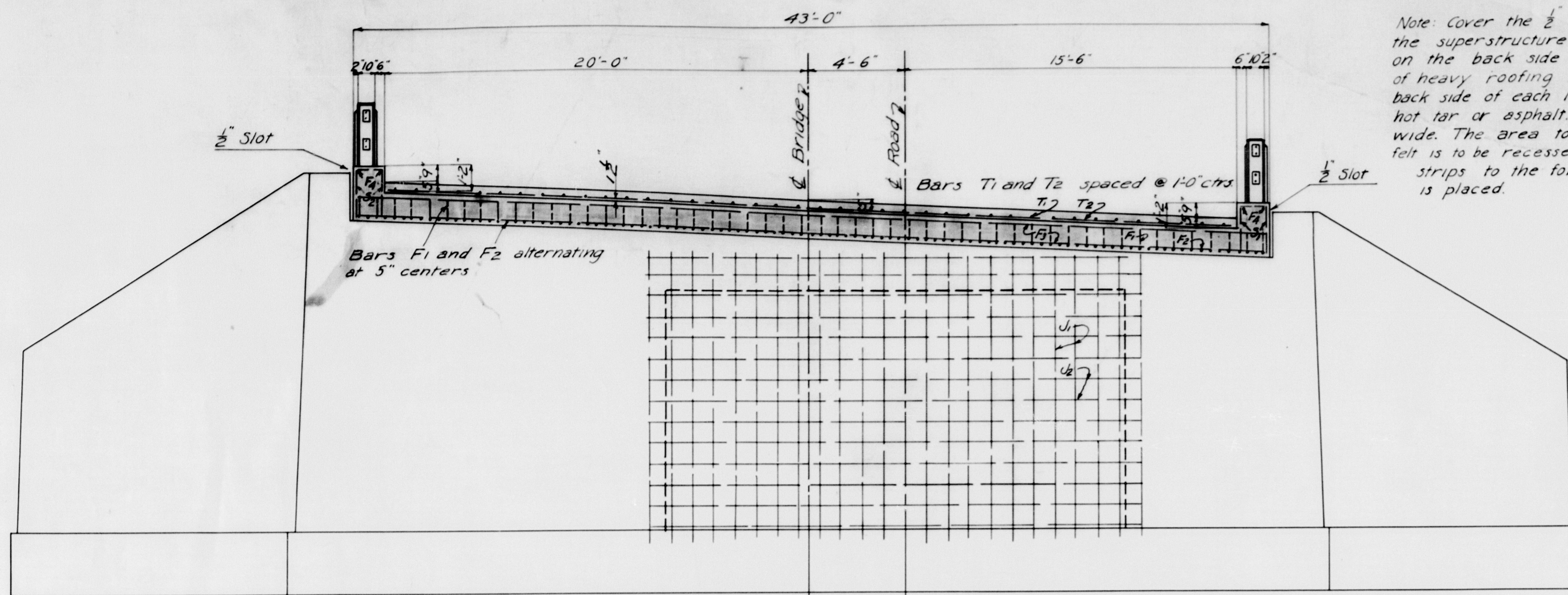




STATE HIGHWAY COMMISSION  
 BRIDGE DIVISION  
**CAPE NEDDICK BRIDGE**  
 OVER  
**CAPE NEDDICK RIVER**  
 IN THE TOWN OF  
**YORK, YORK COUNTY**  
 SUBSTRUCTURE  
 Sheet 2 of 3 Augusta, Me Jan. 12, 1928

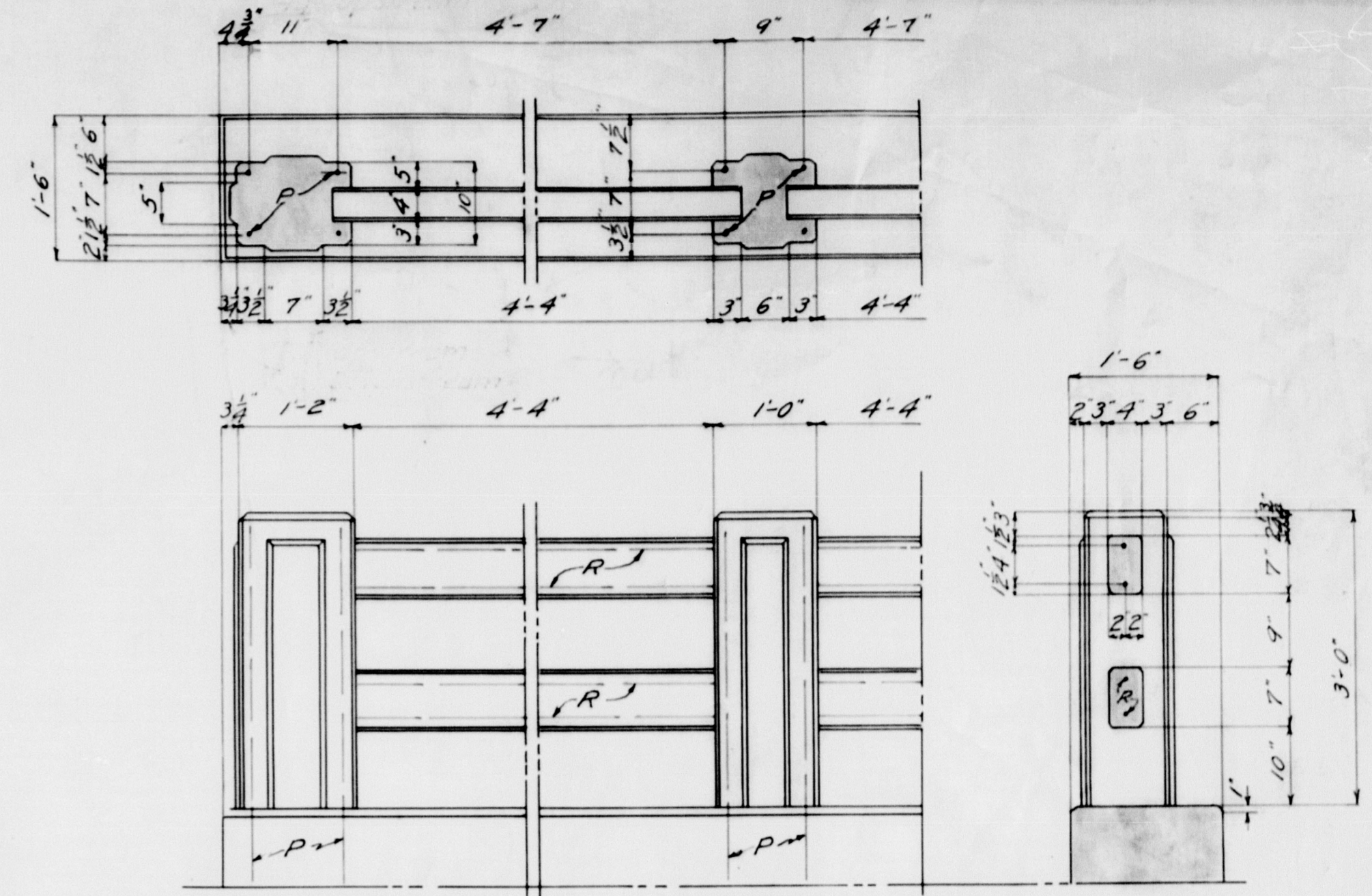
4-184





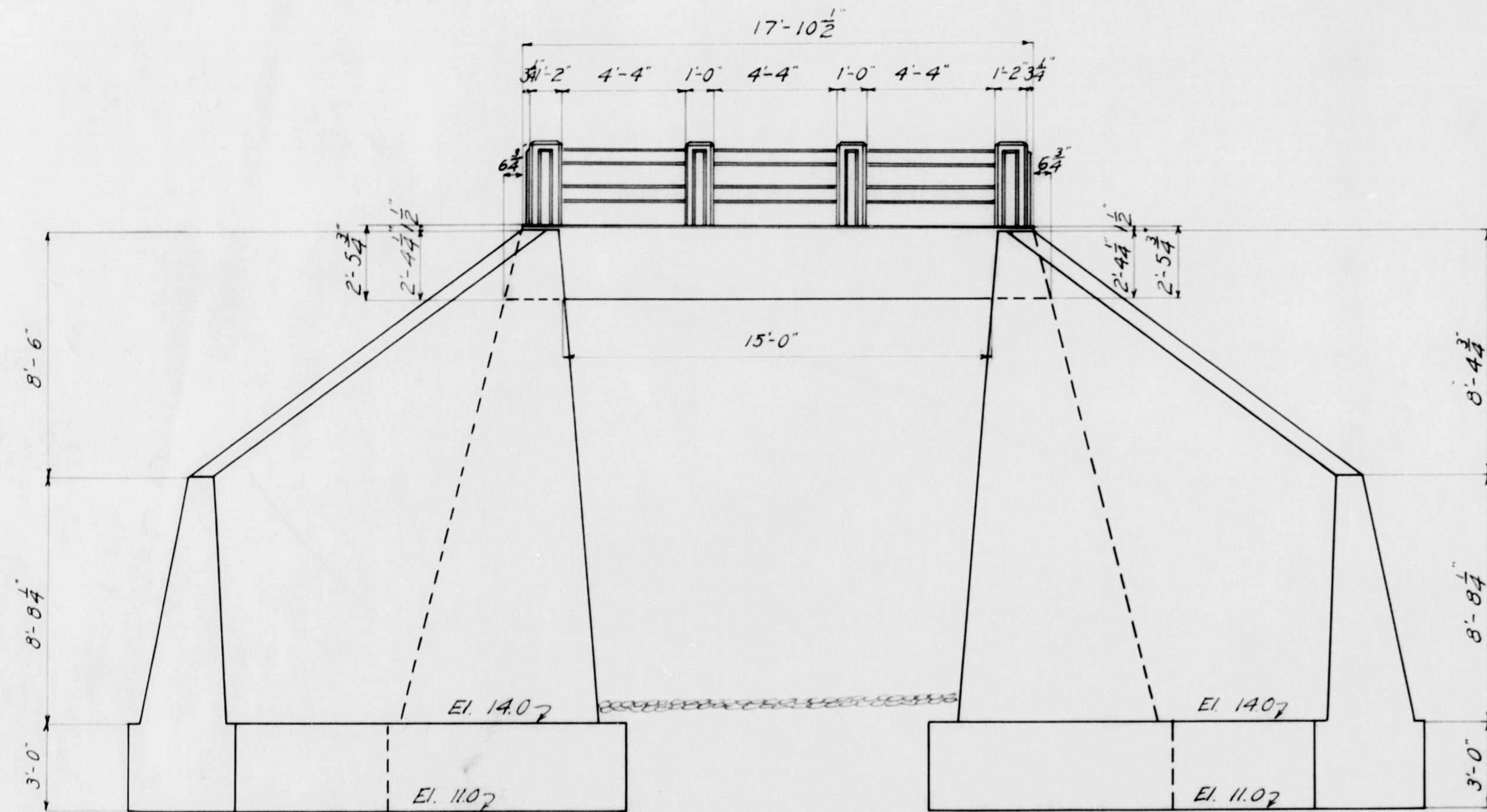
TRANSVERSE SECTION

Note: Cover the  $\frac{1}{2}$  vertical slot between the superstructure and wing walls on the back side with two layers of heavy roofing felt. Coat concrete and back side of each layer as applied with hot tar or asphalt. Roofing felt to be 10" wide. The area to be covered by the felt is to be recessed  $\frac{1}{4}$ " by nailing thin strips to the form before concrete is placed.

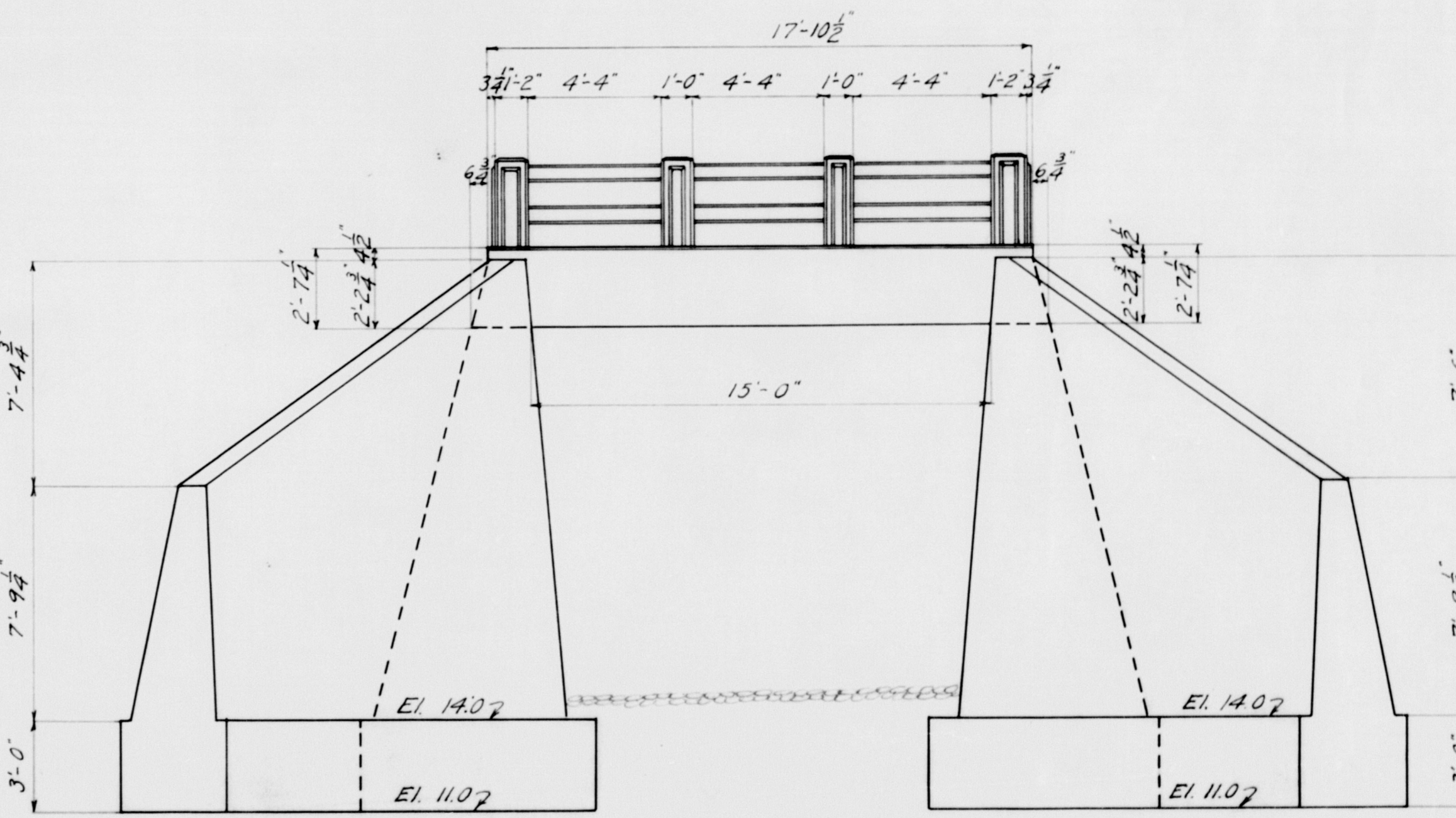


RAIL DETAILS

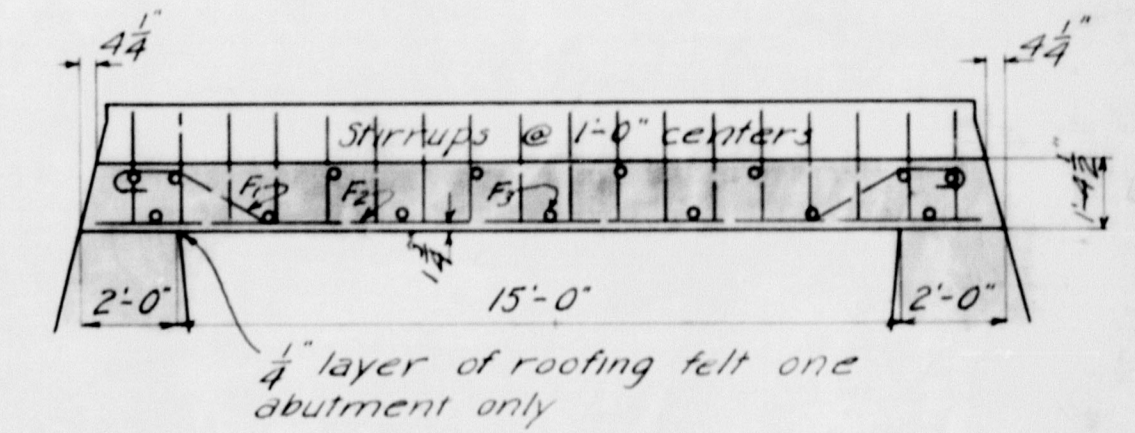
Curb to be cast with slab. Steel for posts to be set in curb. Precast rail bars in lengths of 4'-9". Place rail bars in position with ends projecting into post forms 2". Wrap the end 6" of each rail with 2 thicknesses of heavy roofing felt. Fold in ends and cast posts. When post forms are removed cut away all felt left exposed. Panels on posts are raised  $\frac{1}{8}$ ". Chamfer all exposed edges of concrete  $\frac{1}{8}$ " unless otherwise shown. The posts are to be vertical with tops horizontal.



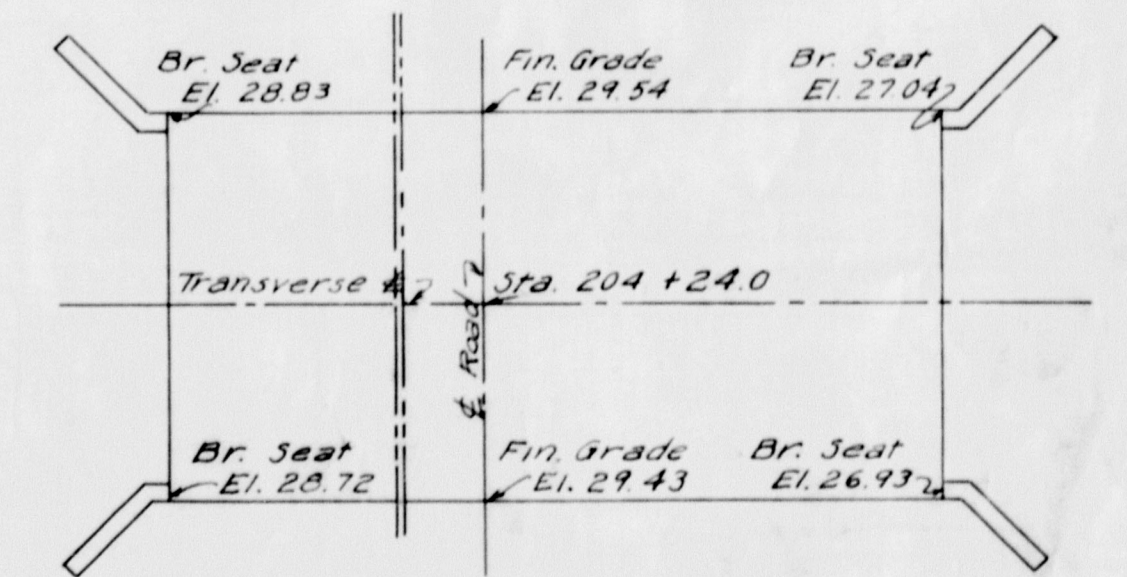
DOWNSTREAM ELEVATION



UPSTREAM ELEVATION



LONGITUDINAL SECTION



General Plan

STEEL SCHEDULE

Bent Bars				
Mark	Size	Length	No. Reqd	Location
F1	$\frac{3}{8}$ "	20'-7 $\frac{1}{2}$ "	52	Slab
Mark	Size	Length	No. Reqd	Location
S1	$\frac{1}{2}$ "	5'-9 $\frac{1}{2}$ "	18	Curbs
S2	$\frac{1}{2}$ "	5'-8"	18	"

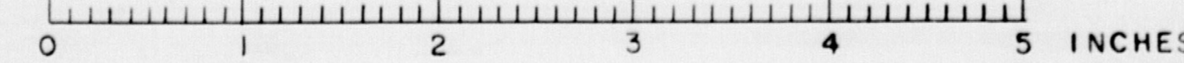
All steel to be plain round bars, structural grade. Steel dimensions are to center line of bars.

STEEL SCHEDULE

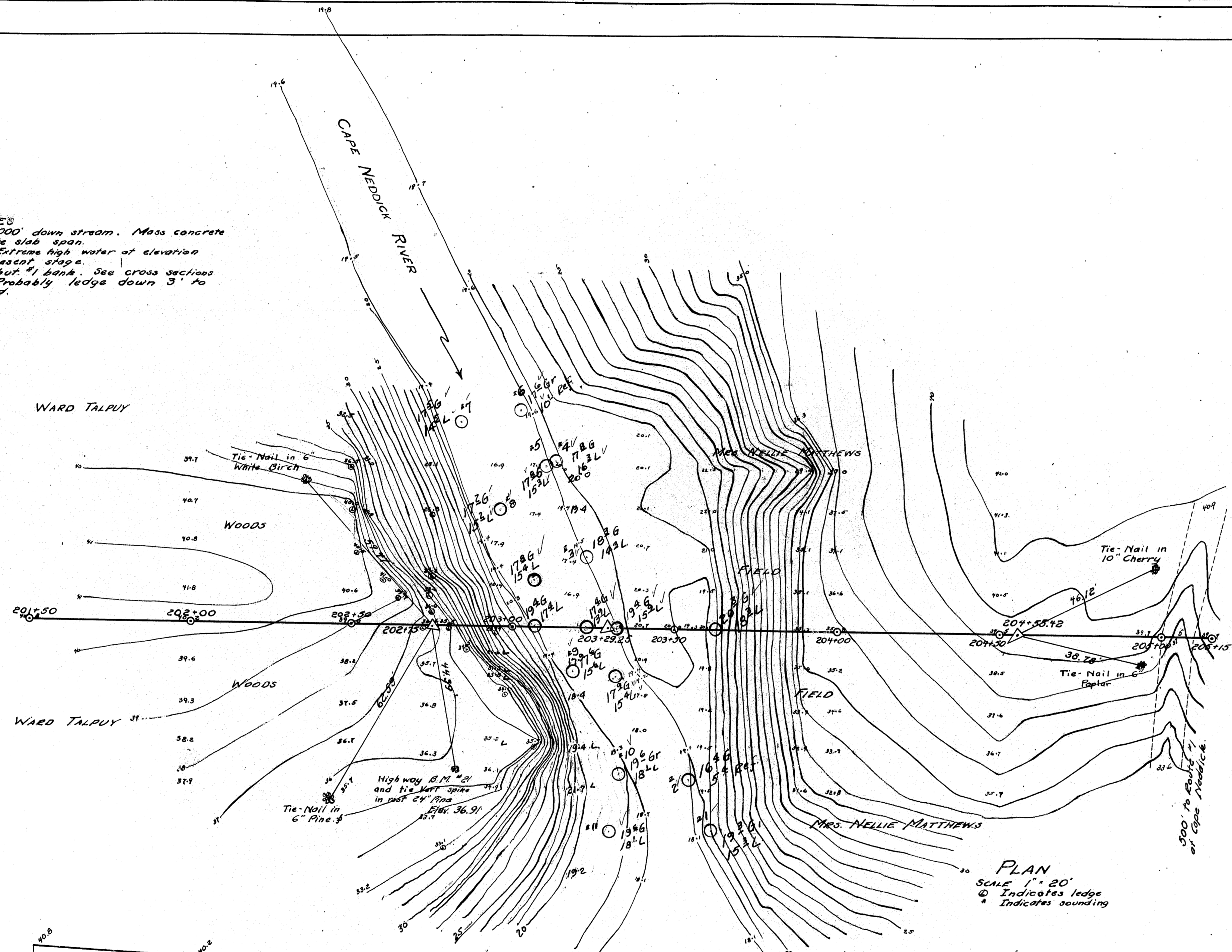
Straight Bars				
Mark	Size	Length	No. Reqd	Location
F2	$\frac{3}{8}$ "	18'-7 $\frac{1}{2}$ "	51	Slab
F3	$\frac{1}{2}$ "	22'-3"	30	Slab
F4	$\frac{1}{2}$ "	17'-0"	4	Curbs
P	$\frac{3}{4}$ "	4'-0"	32	Posts
R	$\frac{3}{8}$ "	4'-8"	24	Rails
T1	$\frac{3}{8}$ "	18' 1 $\frac{1}{2}$ "	40	Surfacing
T2	$\frac{3}{8}$ "	20'-6 $\frac{1}{2}$ "	38	Surfacing
X	$\frac{1}{2}$ "	8'-0"	30	Abutments
J1	$\frac{1}{2}$ "	14'-0"	48	"
J2	$\frac{1}{2}$ "	23'-0"	28	"

STATE HIGHWAY COMMISSION  
BRIDGE DIVISION  
**CAPE NEDDICK BRIDGE**  
OVER  
**CAPE NEDDICK RIVER**  
IN THE TOWN OF  
**YORK, YORK COUNTY**  
SUPERSTRUCTURE  
Sheet 3 of 3 August, Me. Jan. 16, 1928

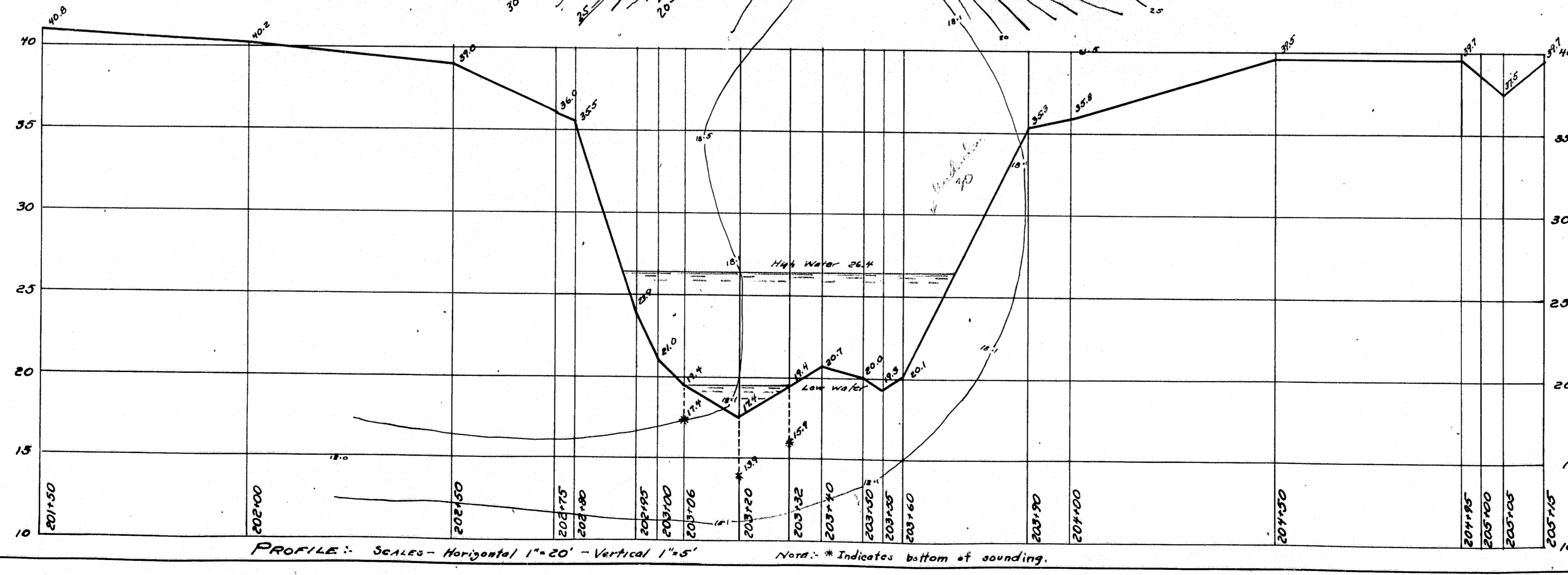
4-185



**NOTES**  
 Existing Bridge: About 1000' down stream. Mass concrete abutments and concrete slab span.  
 Stream: Swift current. Extreme high water of elevation 26.4. Low water of present stage.  
 Foundation: Ledge on About 1' bank. See cross sections for other soundings. Probably ledge down 3' to 5' below stream bed.



20' depth



TOWN 16-28  
 BRIDGE 212T  
 STATE HIGHWAY COMMISSION  
 BRIDGE DIVISION  
**CAPE NEDDICK BRIDGE**  
 OVER  
**CAPE NEDDICK RIVER**  
 IN THE TOWN OF  
 YORK  
 YORK COUNTY  
 SURVEY PLAN  
 SHEET 1 OF AUGUSTA, MAINE JAN. 1938

R91-359

Survey - Blue  
Plan - Black