

Replacement of Market Street Bridge at Santa Ana River

Between Hall Avenue and Rivera Street
In the Cities of Jurupa Valley and Riverside
Project No. C0-0528
Federal Aid No. BRLS-5956(200)

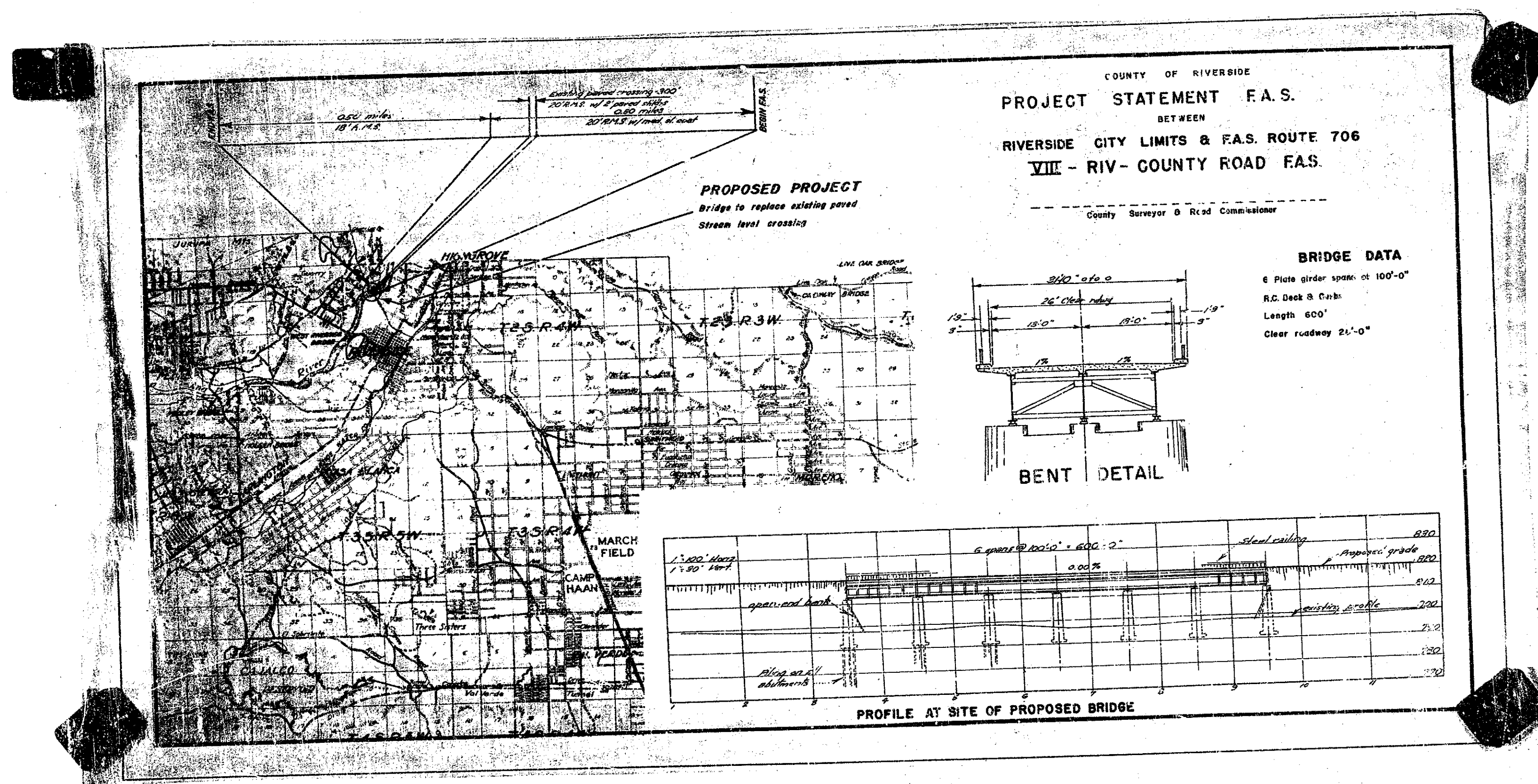
As-Built Bridge Plans

1951 Plans (County Records)

Notice regarding these Plans:

These plans are provided for reference only.

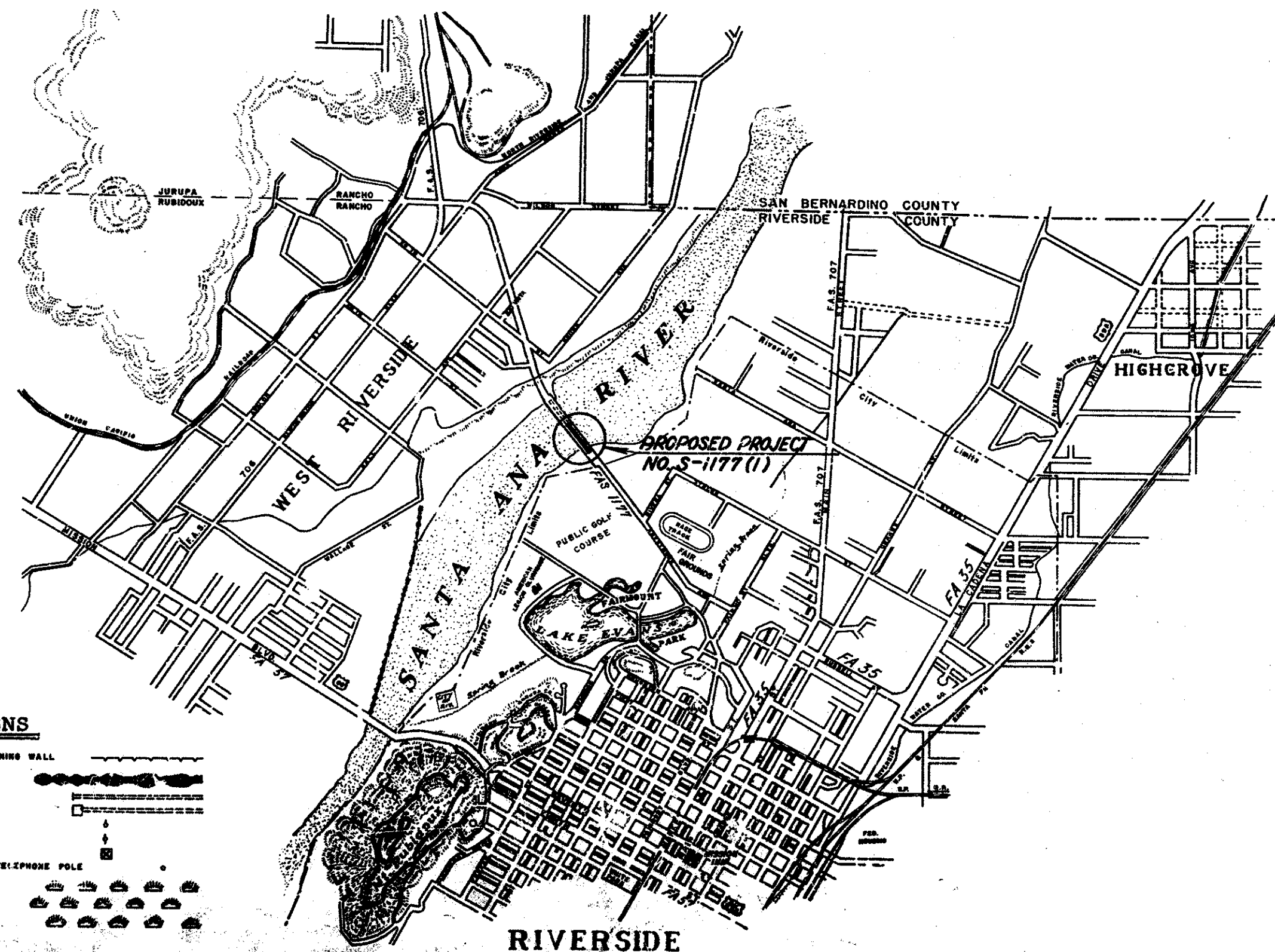
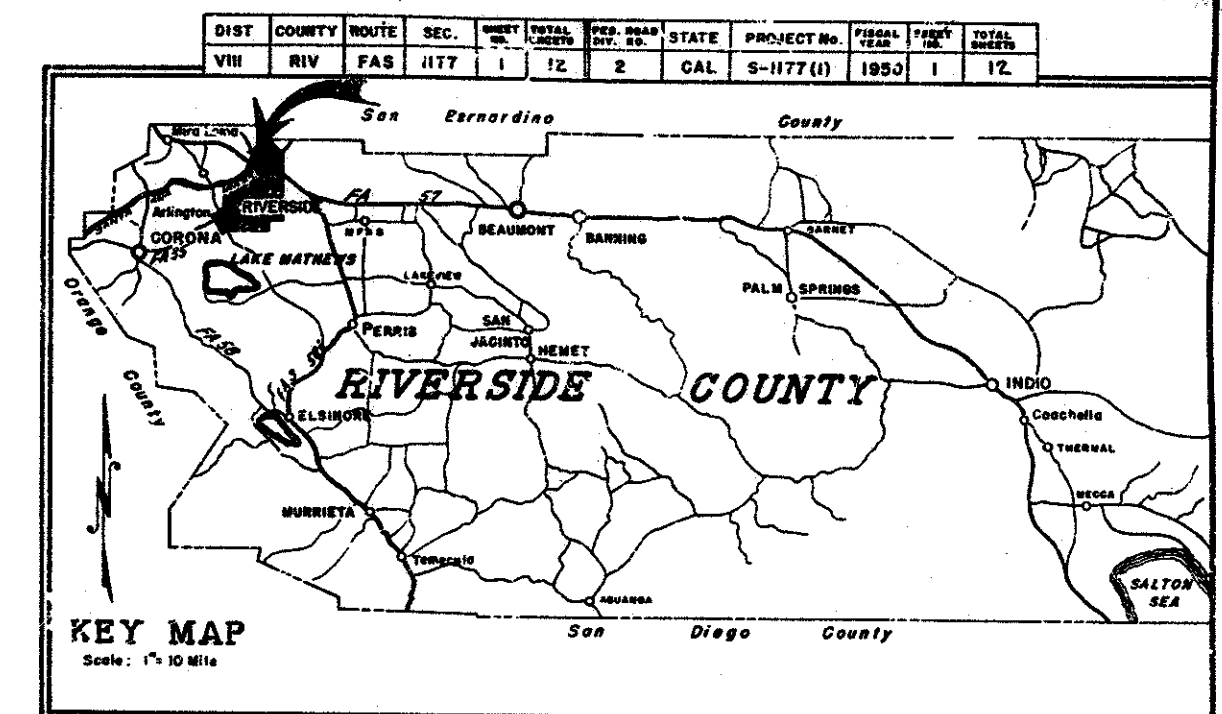
Although this information represents the latest information available, the County of Riverside Transportation Department does not guarantee the accuracy of this data.



STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS
COUNTY OF RIVERSIDE
PLAN AND PROFILE
FEDERAL AID SECONDARY PROJECT
No. S-1177(1)
SANTA ANA RIVER BRIDGE ON CRESTMORE ROAD

INDEX

Title Sheet.....	Sheet No. 1
General Plan.....	Sheet 2
Foundation & Railing.....	Sheet 3
Steel Layout.....	Sheet 4
Deck Detail.....	Sheet 5
Pier Details.....	Sheet 6
Steel Details.....	Sheet 7
Expansion Joint Details.....	Sheet 8
Miscellaneous Details.....	Sheet 9
Abutments.....	Sheet 10
Pile Details.....	Sheet 11
Log of Test Borings.....	Sheet 12



CONVENTIONAL SIGNS

COUNTY LINE	SIGN	BANK OR RETAINING WALL	SIGN
CITY OR TOWN LIMITS	SIGN	LEVER	SIGN
TOWNSHIP LINE	SIGN	CULVERT	SIGN
SECTION LINE	SIGN	DROP INLET	SIGN
GRANT LINE	SIGN	TROLLEY POLE	SIGN
FENCE	SIGN	POWER POLE	SIGN
GUARD RAIL	SIGN	POWER TOWER	SIGN
UNIMPROVED PROPERTY	SIGN	TELEGRAPH OR TELEPHONE POLE	SIGN
RIGHT OF WAY LINE	SIGN	MARSH	SIGN
TRAVELER'S MAP	SIGN		
RAILROAD TRACKS	SIGN		

COUNTY OF RIVERSIDE

A. C. Smith
COUNTY SURVEYOR
ROAD COMMISSIONER
CIVIL ENGINEER LICENSE NUMBER 4388

APPROVED BY THE BOARD OF SUPERVISORS
MARCH 19, 1951

Wm. H. Hayden
CHAIRMAN

STATE OF CALIFORNIA

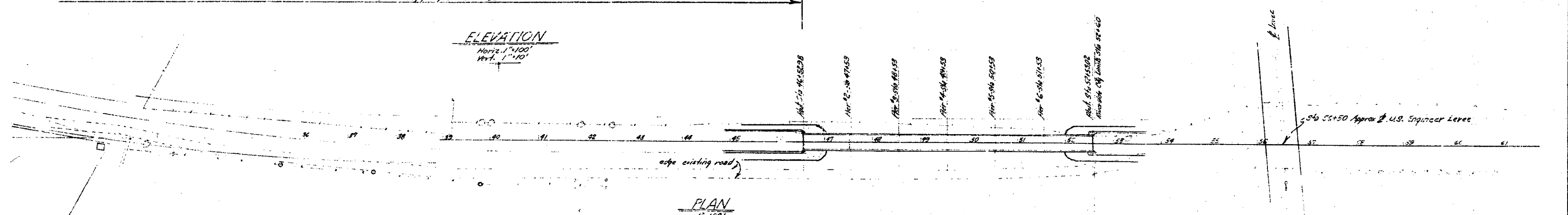
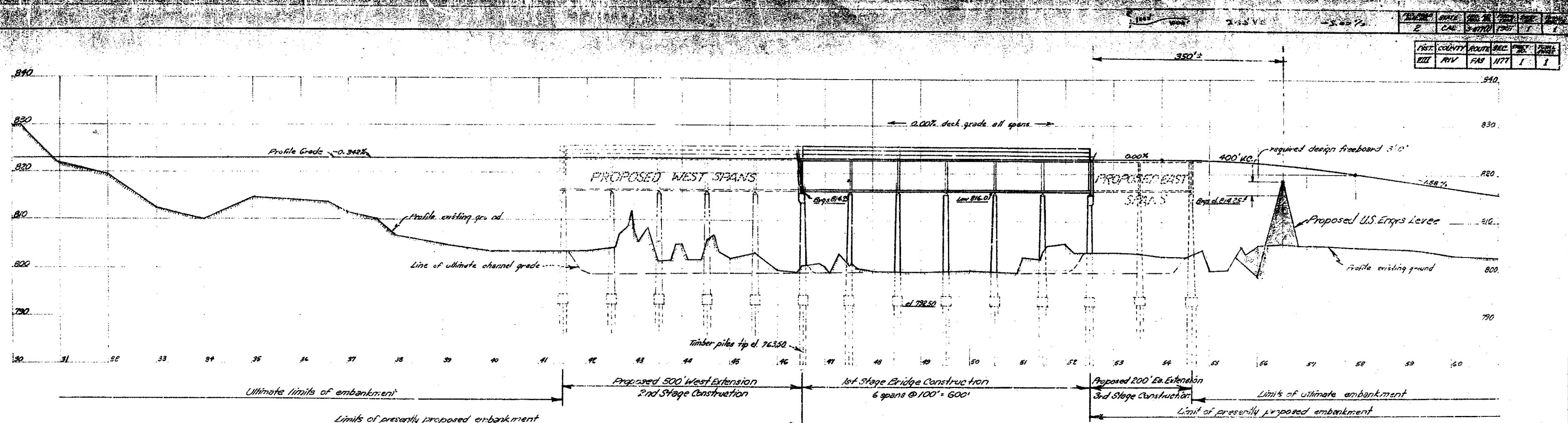
Wm. H. Hayden
DISTRICT ENGINEER, DISTRICT VIII
APPROVED MAY 21, 1951

Wm. H. Hayden
STATE HIGHWAY ENGINEER
CIVIL ENGINEER LICENSE NUMBER 2084

DEPT. OF COMMERCE
BUREAU OF PUBLIC ROADS
RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER
DEPT. OF COMMERCE
BUREAU OF PUBLIC ROADS

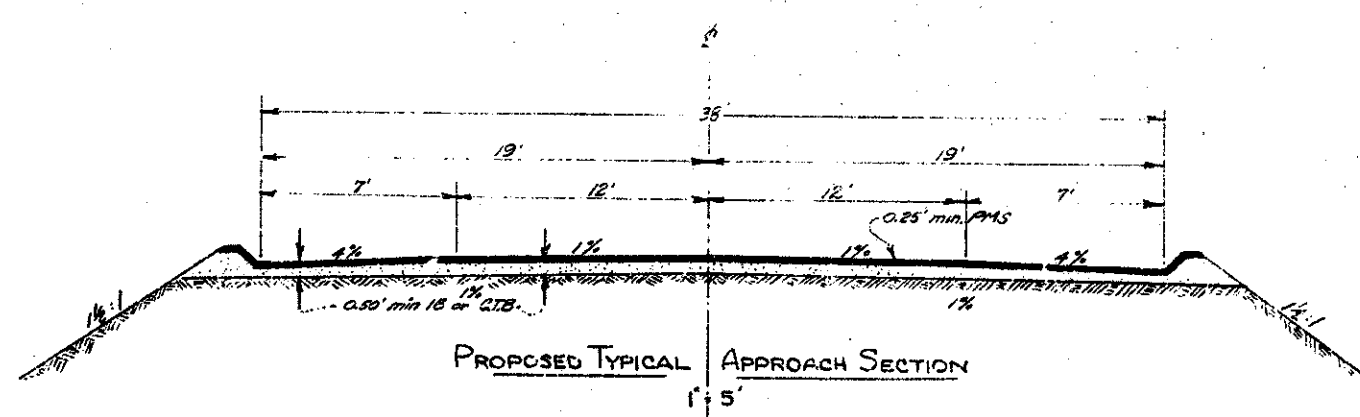
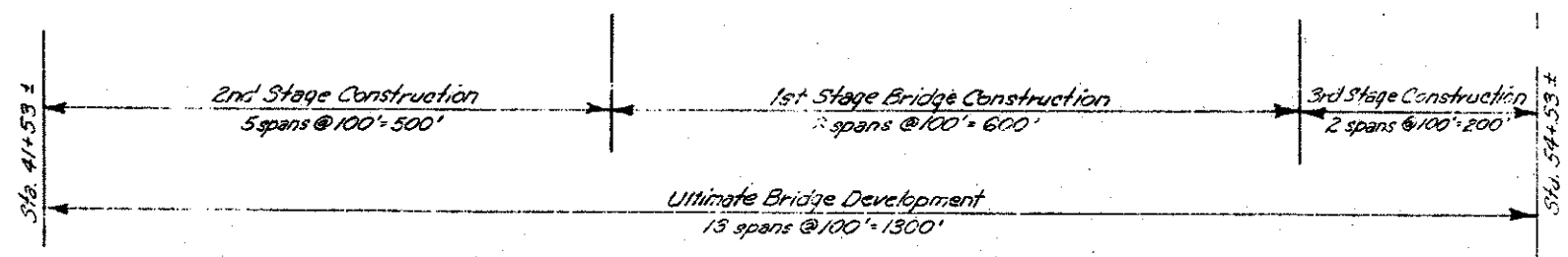
APPROVED
DIVISION ENGINEER
DEPT. OF COMMERCE
BUREAU OF PUBLIC ROADS



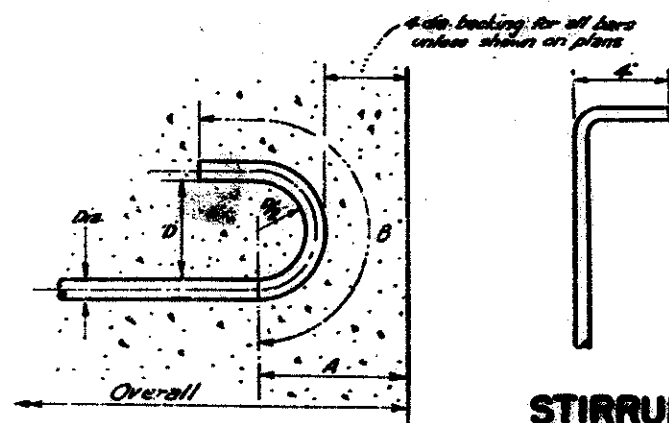
WATERWAY CAPACITY DATA

Assumed stream velocity 10 ft/second
 Vertical Clearance 14'-6"
 U.S. Engineer levee assumed completed
 Capacity 1st Stage Constr. - 87,000 cfs
 Capacity 2nd " - 128,500 cfs
 Capacity 3rd " - 187,500 cfs

Max. computed flood flow - U.S. Engineer
 Office Report - 187,500 cfs



PROPOSED CRESTMORE BRIDGE	
DESIGN PLAN AND PROFILE	
F.A.S. PROJECT NO. 3-1177 VIII-RIV-FAS-1177	OFFICE OF THE COUNTY SURVEYOR COUNTY OF RIVERSIDE MARCH, 1951

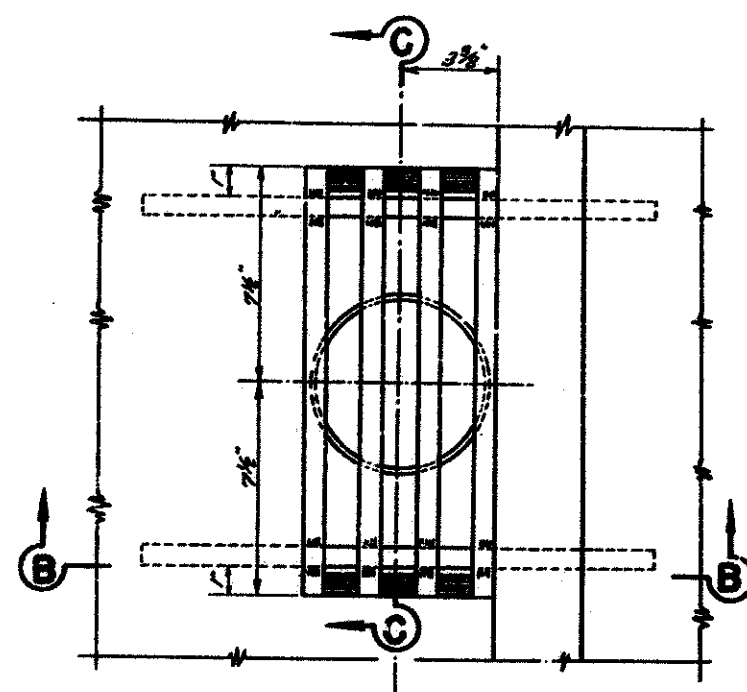


HOOKED BAR DATA				
Bar Size	A	B	C	D
1/2"	7 1/2"	4 1/2"	8"	3 1/2"
3/8"	7 1/4"	4 1/4"	7 1/2"	3 1/4"
5/16"	7 1/8"	4 1/8"	7"	3 1/8"
3/16"	7"	4"	6 1/2"	3"
1/4"	6 1/2"	3 1/2"	6"	2 1/2"
5/16"	6 1/4"	3 1/4"	5 1/2"	2 1/4"
3/8"	6 1/8"	3 1/8"	5 1/4"	2 1/8"
1/2"	6 1/4"	3 1/4"	5 1/2"	2 1/4"

All bar measurements are to center of bar except as noted.

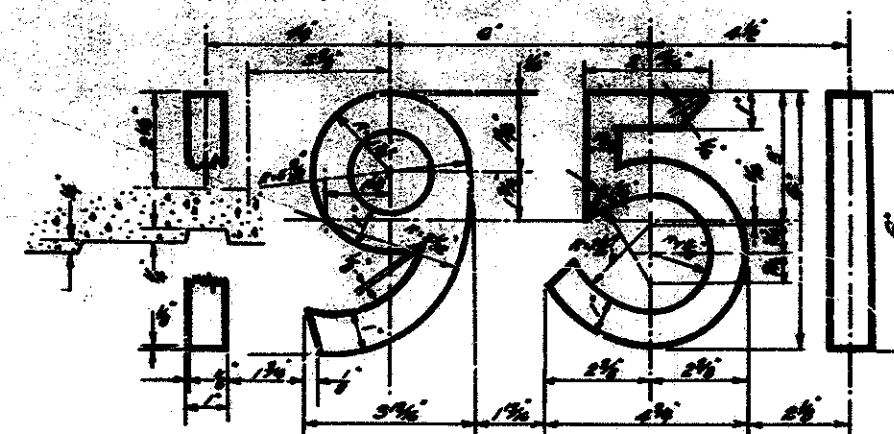
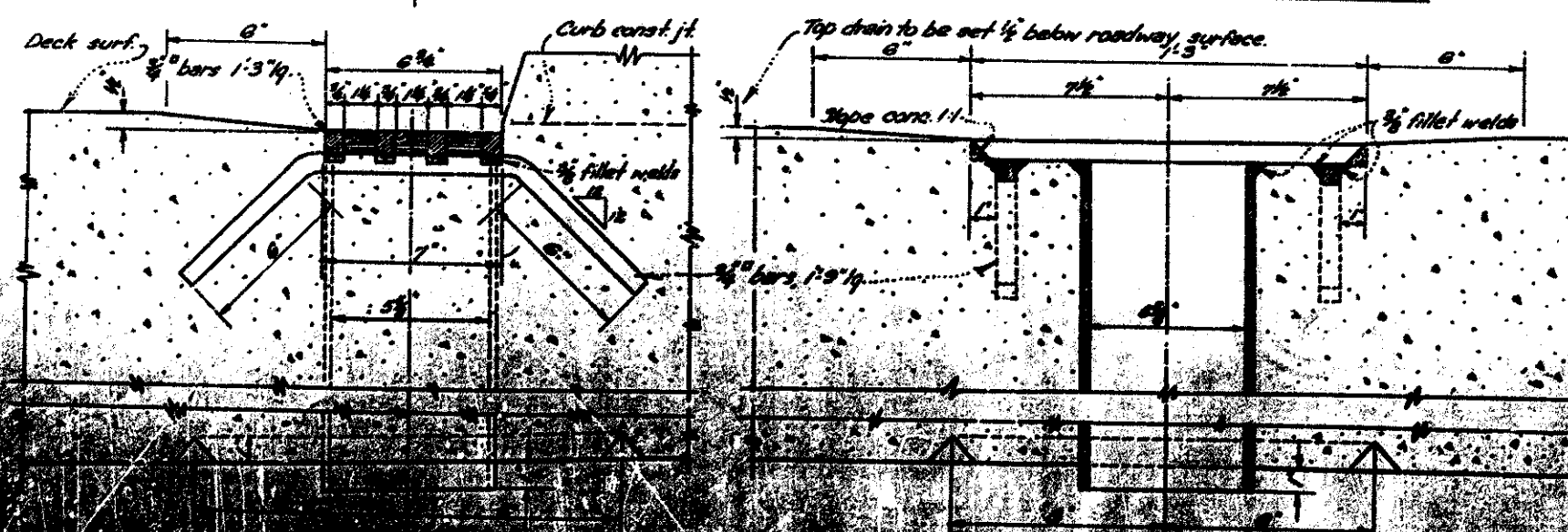
Amount to be added to overall dimension of concrete member to give length of the hooked reinforcing bars, hooked at each end.

HOOKED BAR DATA



Note: Drain to be galvanized after all welding is completed.

Scale 3/4"=1'-0"



Scale 1/2"=1'-0"

Note: Detail of date of year constructed will be furnished upon request.

CRESTMORE BRIDGE

MISCELLANEOUS DETAILS

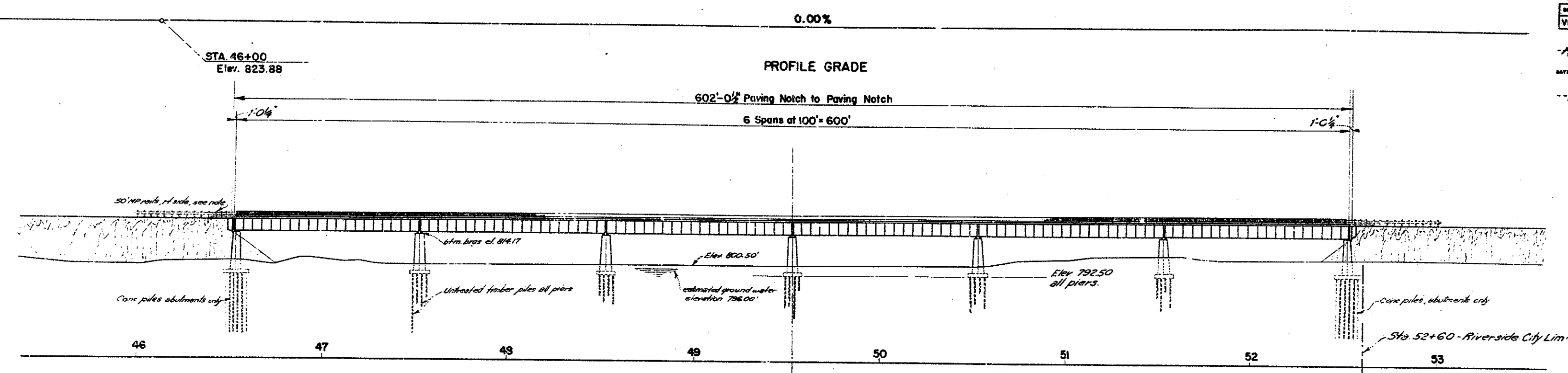
SCALE AS SHOWN	FILE NO.
BRIDGE NO. 50C-24	DRAWING NO. C-2718-9

846 2

PROJECT NO.	STATE	PROJECT NO.	DATE	SHEET NO.	TOTAL SHEETS
2	CAL.	117710	1950	2	12

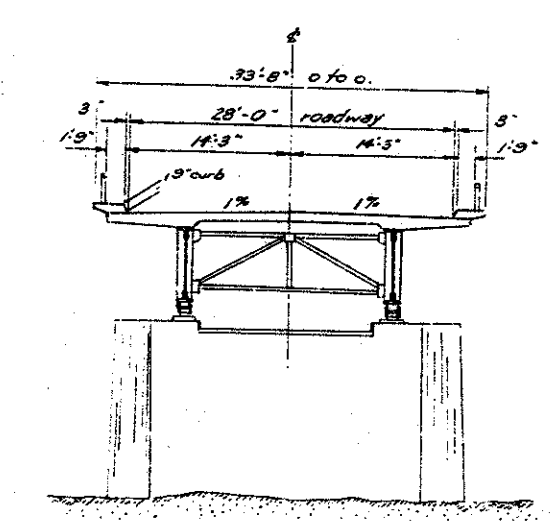
DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
VIII	RIV	FAS	1177	2	12

DESIGNED BY: *Alvin H. Smith*
 DATE APPROVED: *May 21, 1951*
 COUNTY ENGINEER: *A. C. Smith*
 COUNTY SUPERVISOR: *See Road Commission*



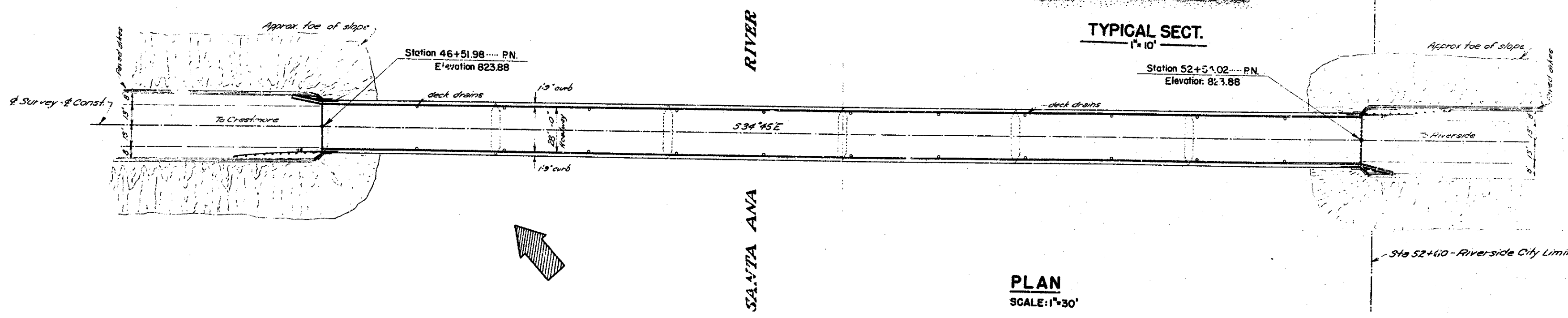
ELEVATION

Note: Length of all piles for estimating purposes 35' - min penetration to elev 762.00
 Embankments, approach rails & felloe guards, clearance markers, not a part of this contract.



TYPICAL SECT.

Bench Mark: chiseled + on top of 5' x 5' Conic weir box - SE corner
 69' + 1.5' = 9.57 + 47' - elev 806.18'



PLAN
SCALE: 1" = 30'

For General notes see Sheet No. 8

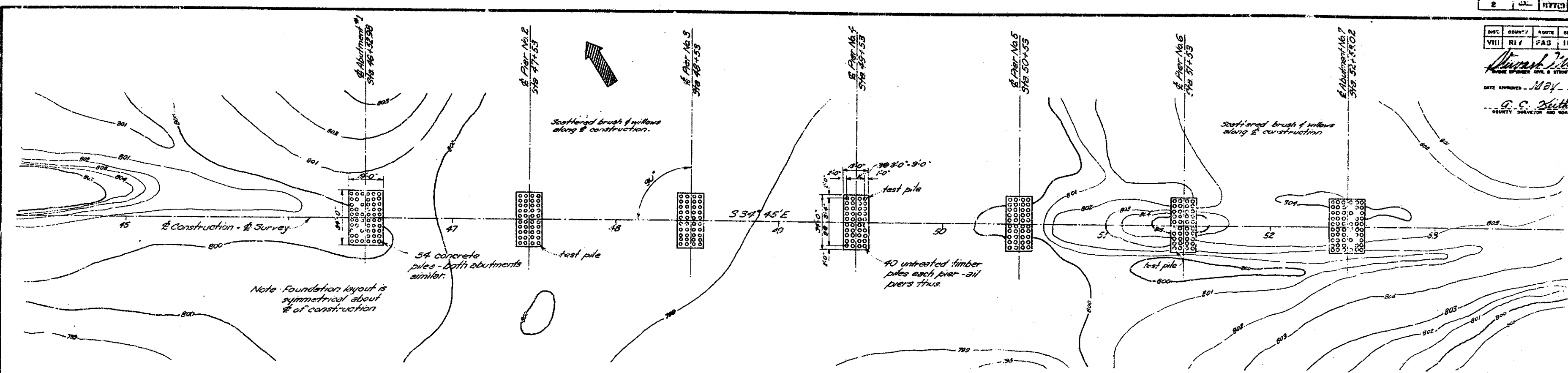
CRESTMORE BRIDGE	
GENERAL PLAN	
SCALE AS SHOWN	FILE NO.
BRIDGE NO. 56C-24	DRAWING NO. C-2718-2

846 Z

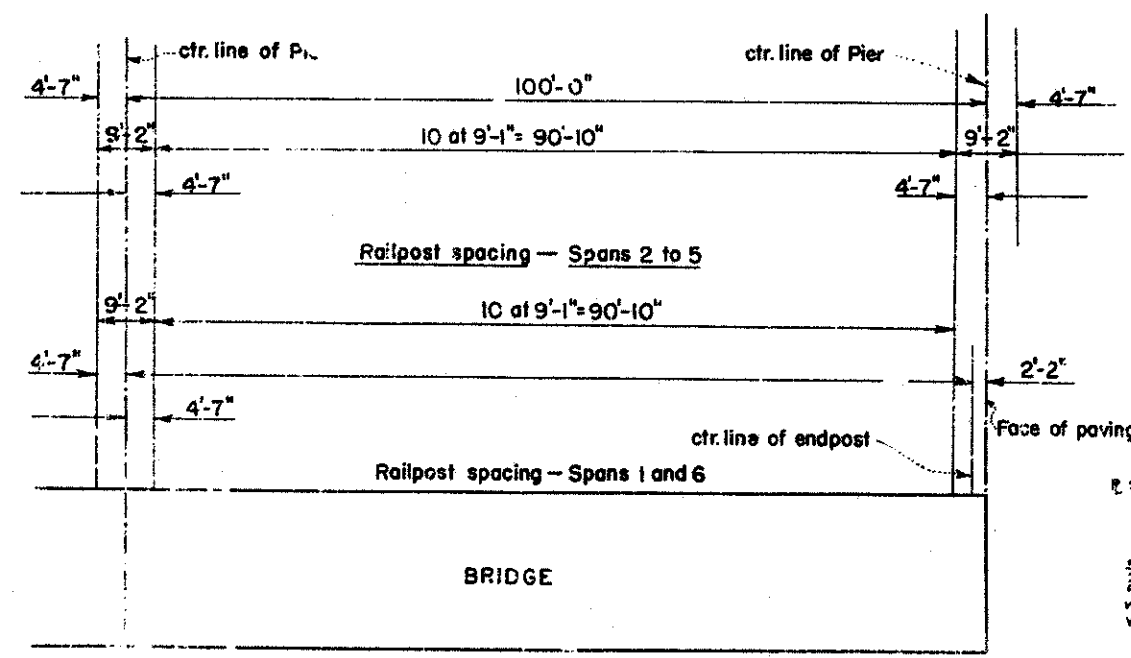
FILE NO.	STAT.	DATE	SECTION	SHEET	TOTAL
2	117713	1950	3	12	

DIST.	COUNTY	ROUTE	SECTION	SHEET	TOTAL
VIII	RI	PAS	1177	5	12

Thurston
 DATE APPROVED: May 21, 1951
 G. C. Smith
 COUNTY ENGINEER

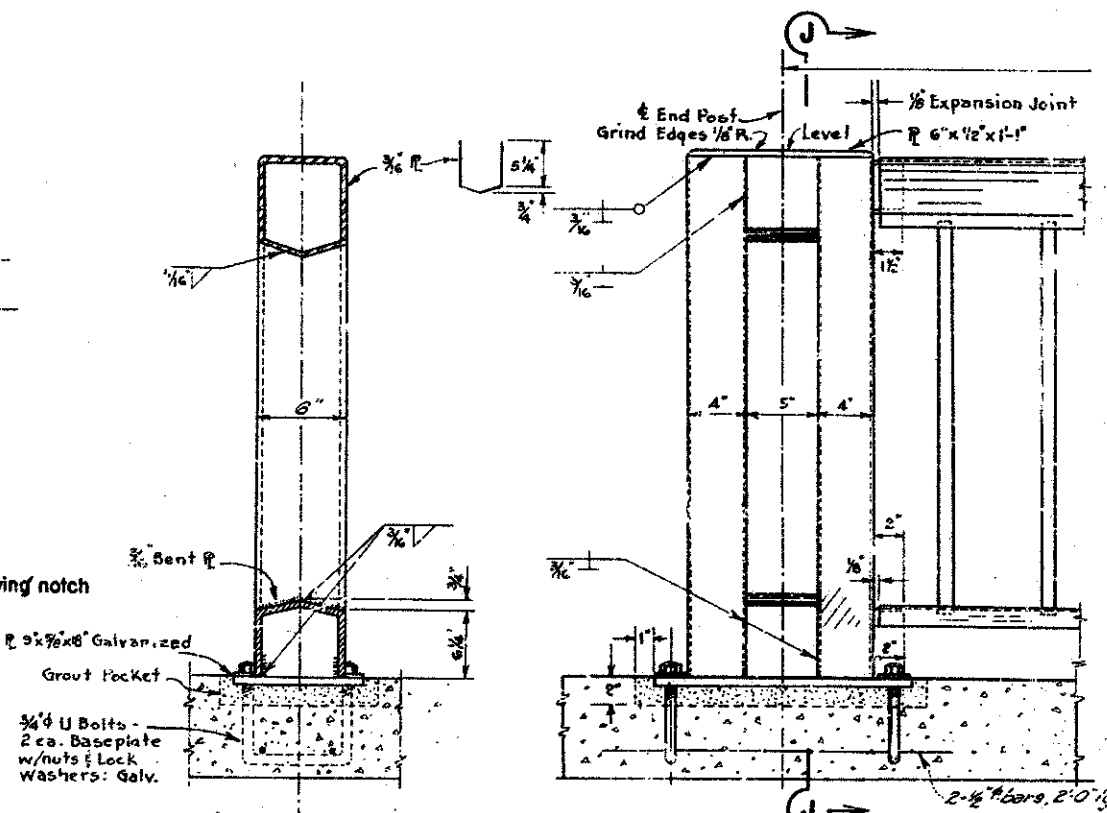


FOUNDATION LAYOUT
Scale 1"=30'-0"

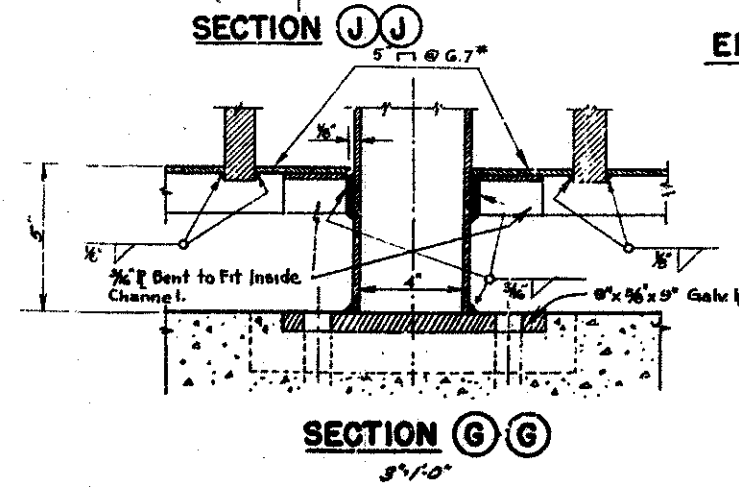


RAILPOST SPACING
No Scale

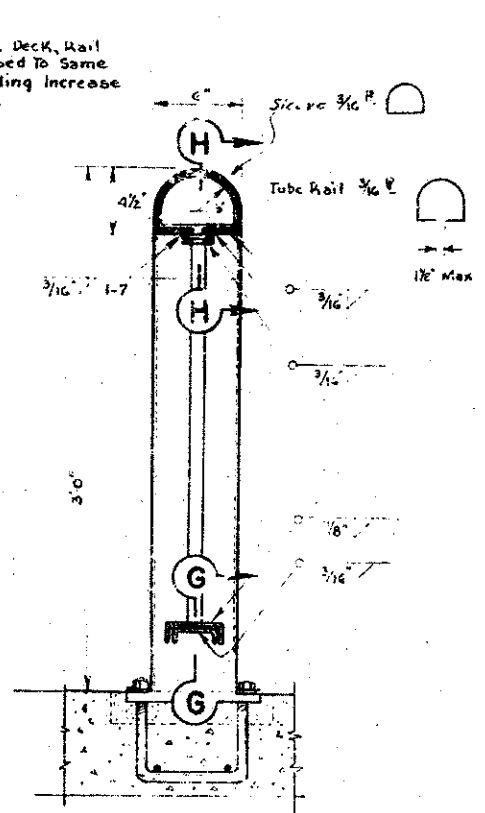
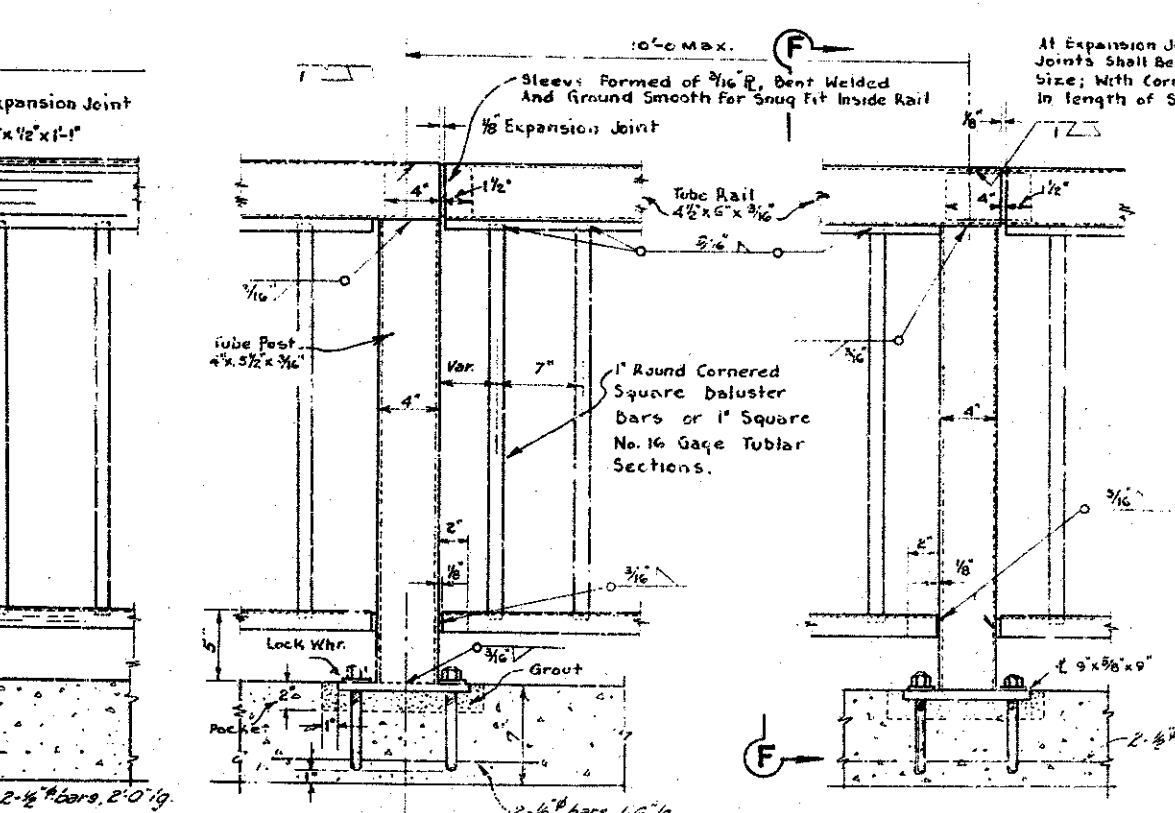
Note: Railing to be galvanized following fabrication; rail shall conform to horiz. & vertical alignment. Exact location of railposts to be determined from the approved shop plans.



END POST DETAIL

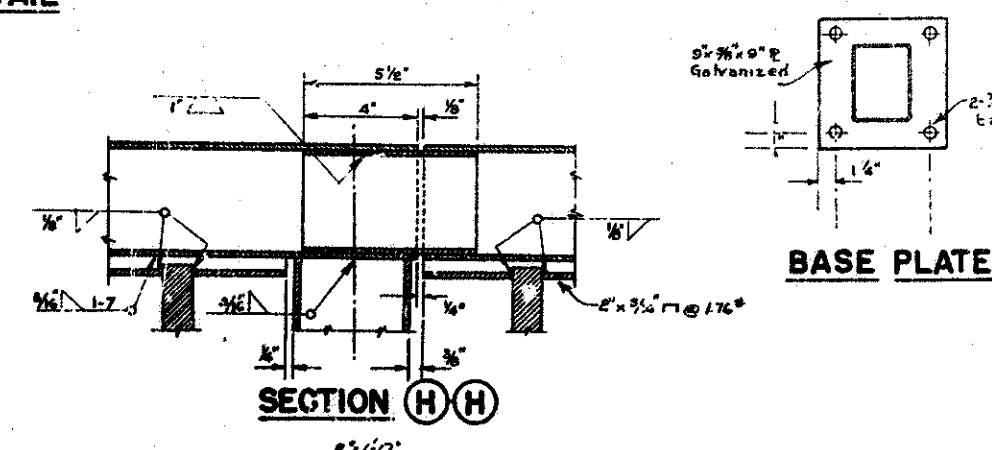


SECTION G-G
5"=1'-0"



SECTION F-F

INTERMEDIATE POST
Scale 1/2"=1'-0"



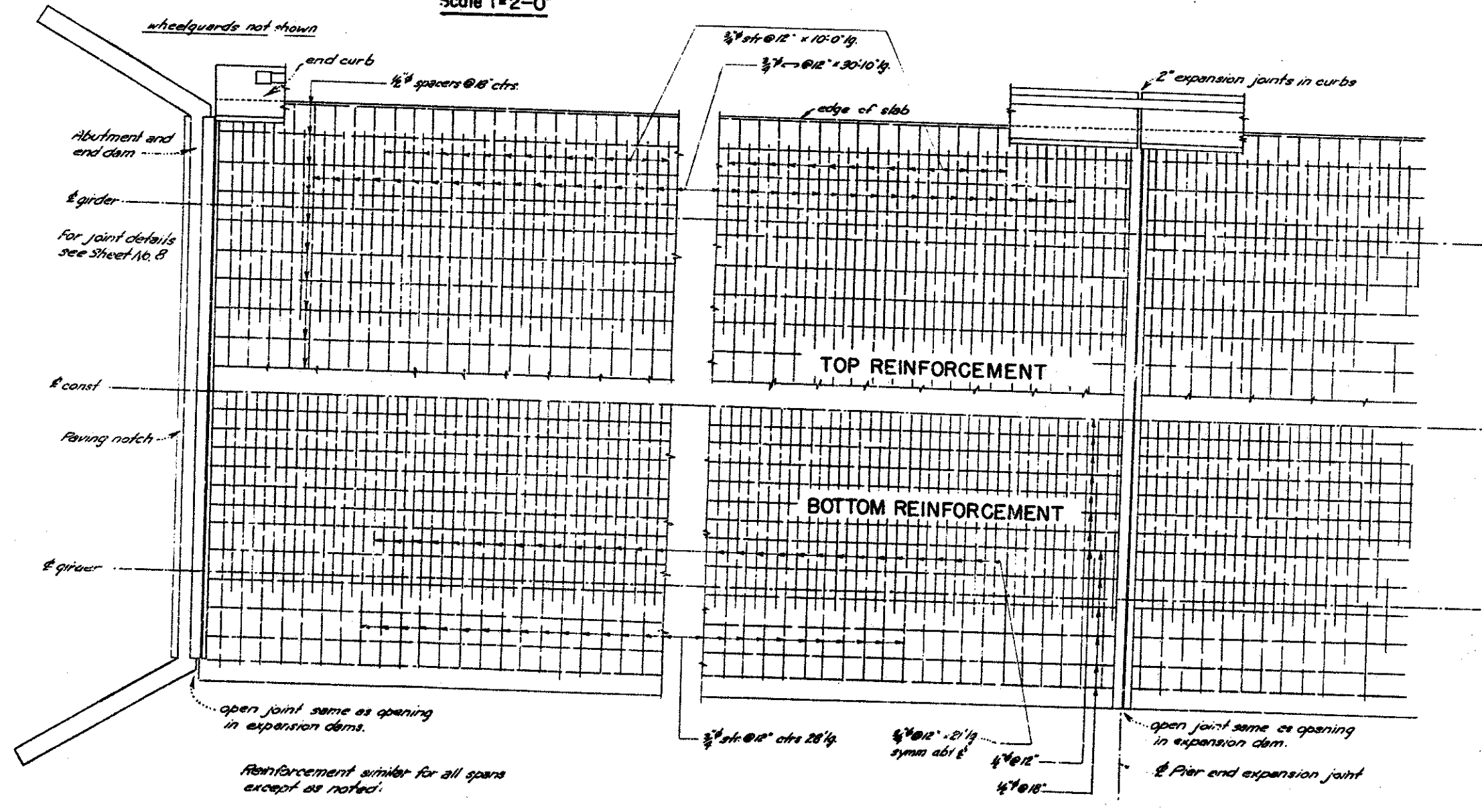
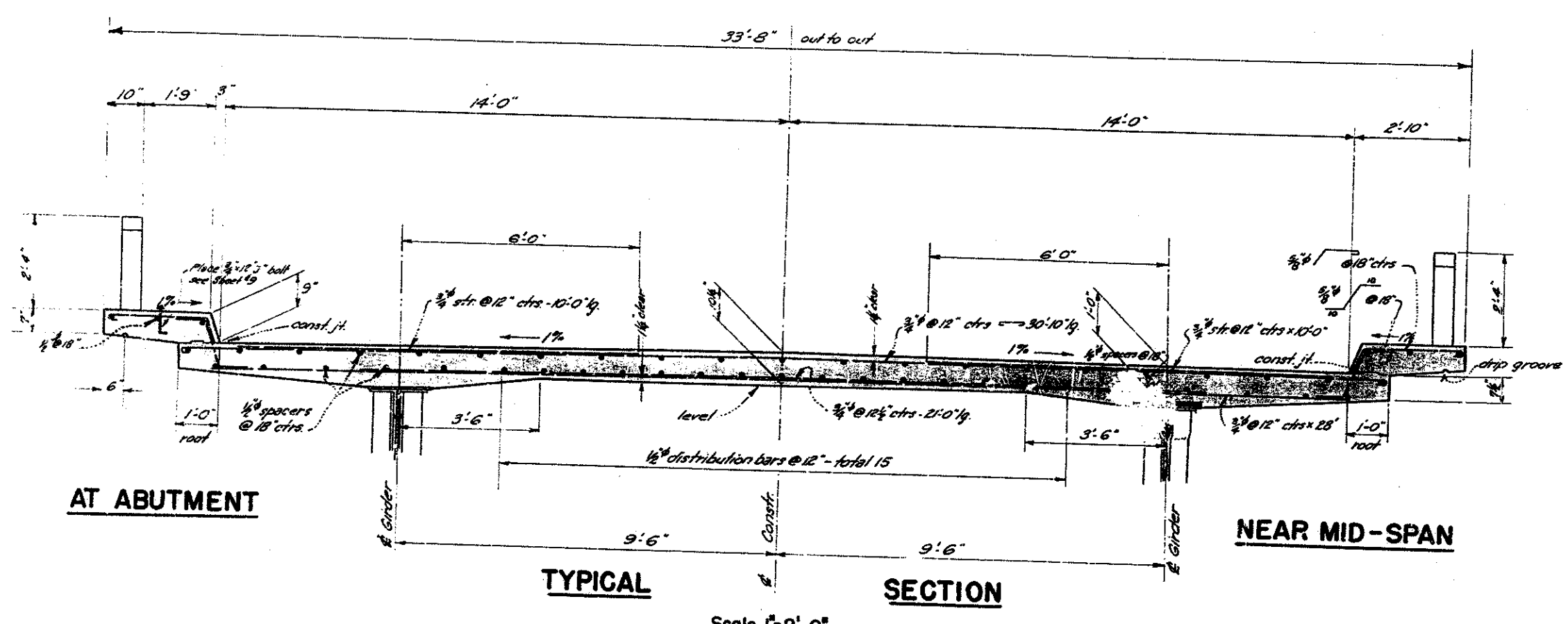
BASE PLATE

CRESTMORE BRIDGE	
FOUNDATION & RAILING	
SCALE AS SHOWN	FILE NO.
BRIDGE NO. 56C-24	DRAWING NO. C-2718-3

846 Z 1

DATE	DESIGN	DATE	REVISION	DATE	REVISION
VIII	RIV	FAS	1177	5	12

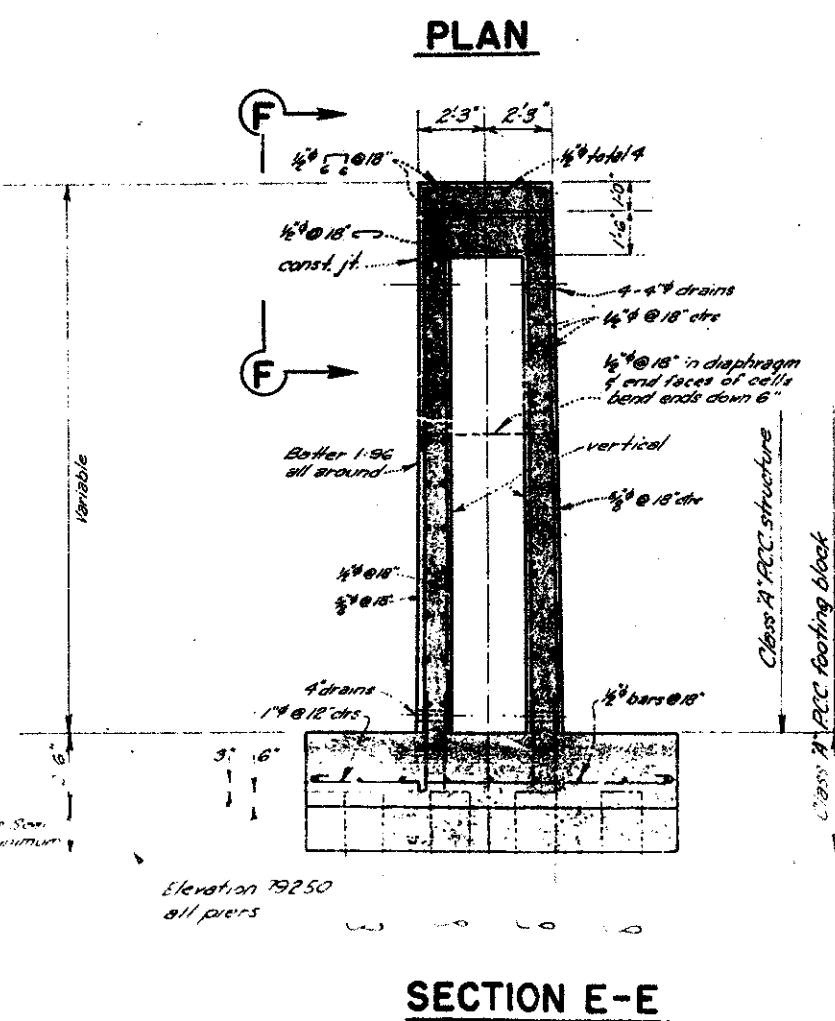
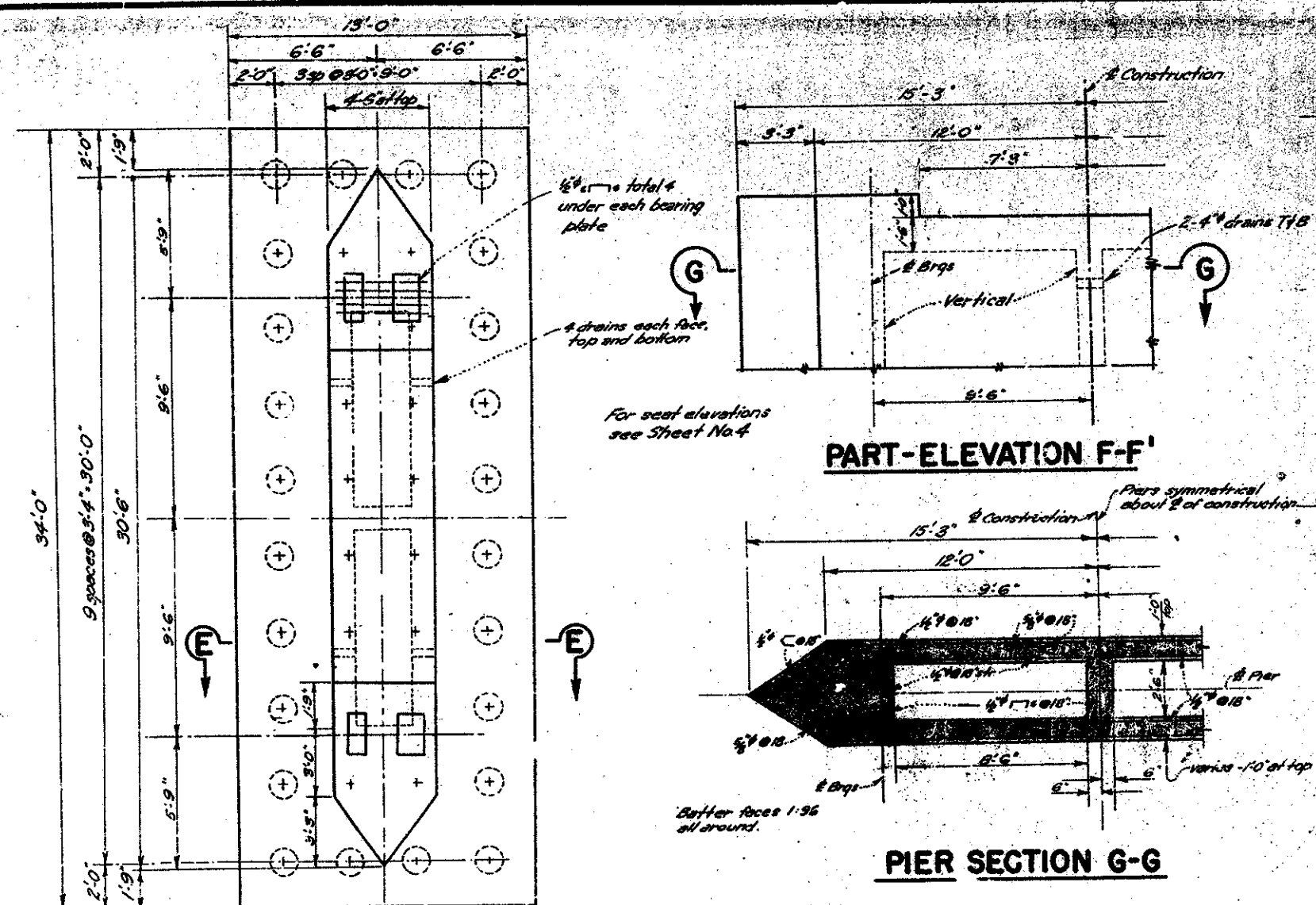
DRAWN BY: *Michael Mitchell*
 DATE APPROVED: *May 21, 1951*
 APPROVED BY: *G. C. Keith*
 COUNTY SURVEYOR & ROAD COMMISSIONER



Structural Details
 Checked by S.W.S. S.S.
 Reviewed *R.H.*
 Approval Recommended

CRESTMORE BRIDGE	
DECK DETAIL	
SCALE AS SHOWN	FILE NO.
BRIDGE NO. 56C-24	DRAWING NO. C-2718-5

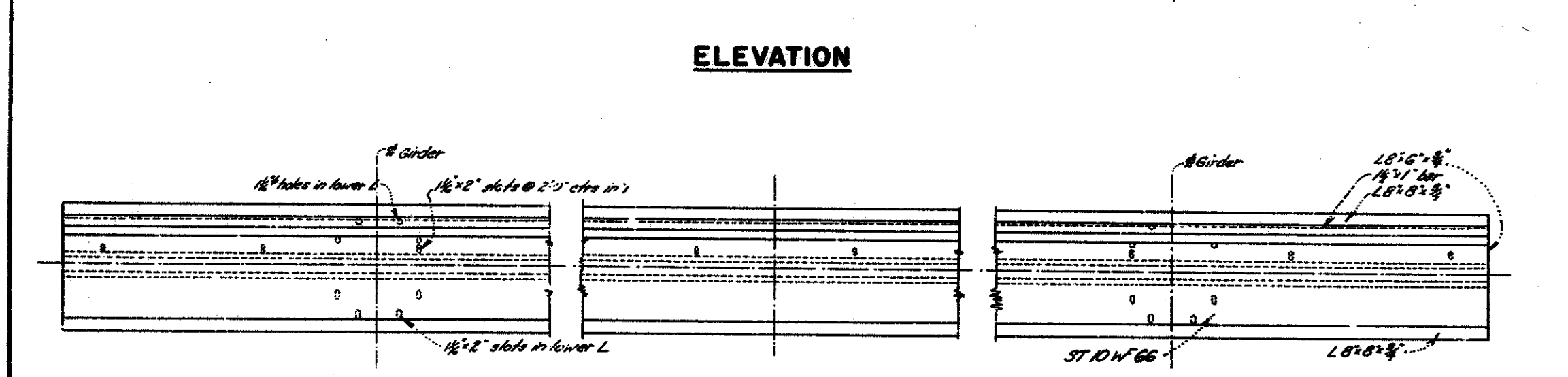
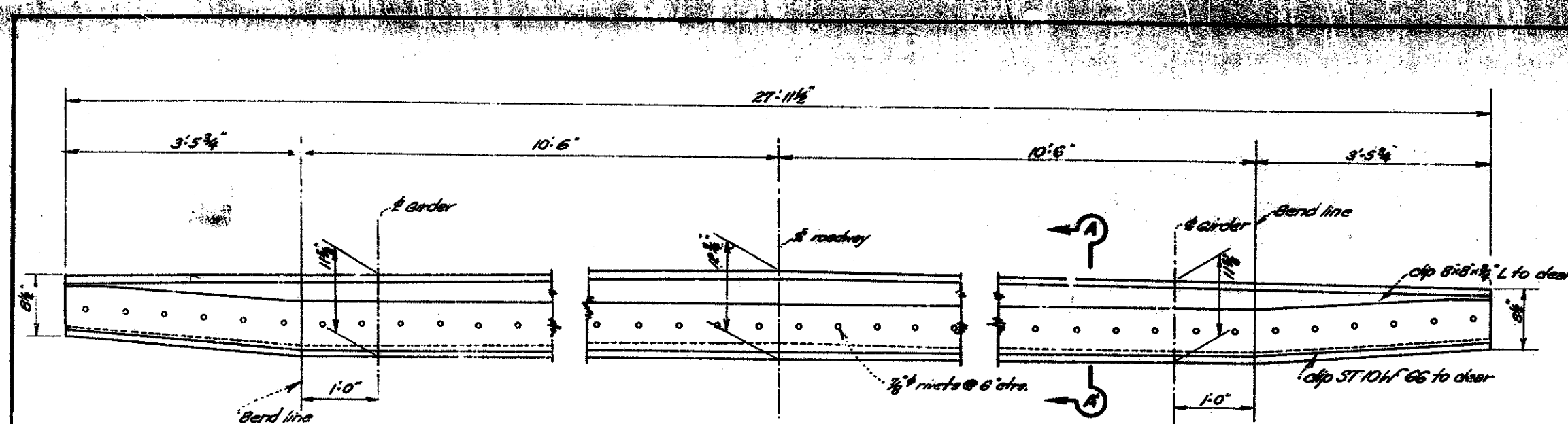
846 Z



PIER DETAILS

Note: Tempra seals to be used only if so directed by the engineer. Thickness of seal to be 0.2 of hydrostatic head with a minimum of 1/6".

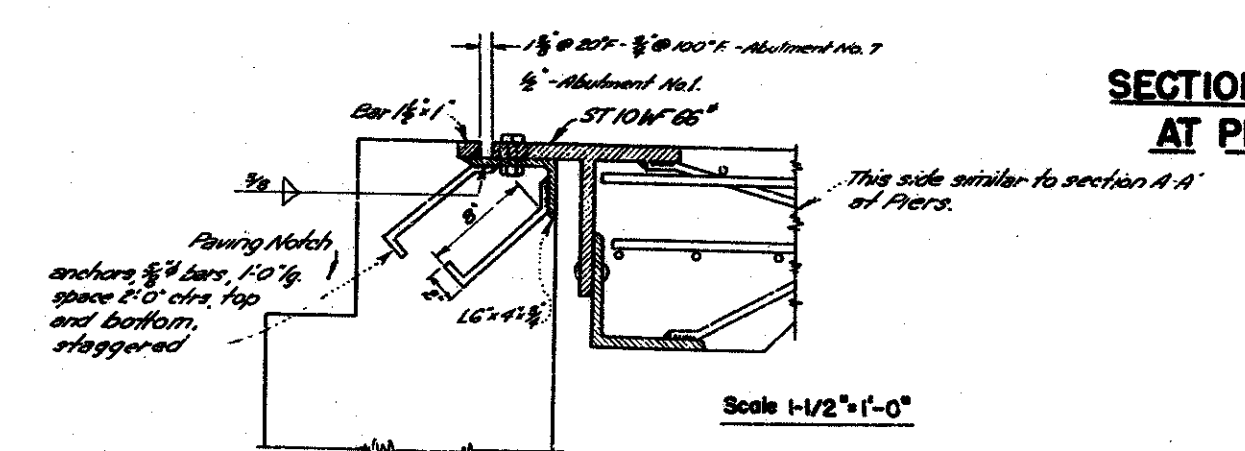
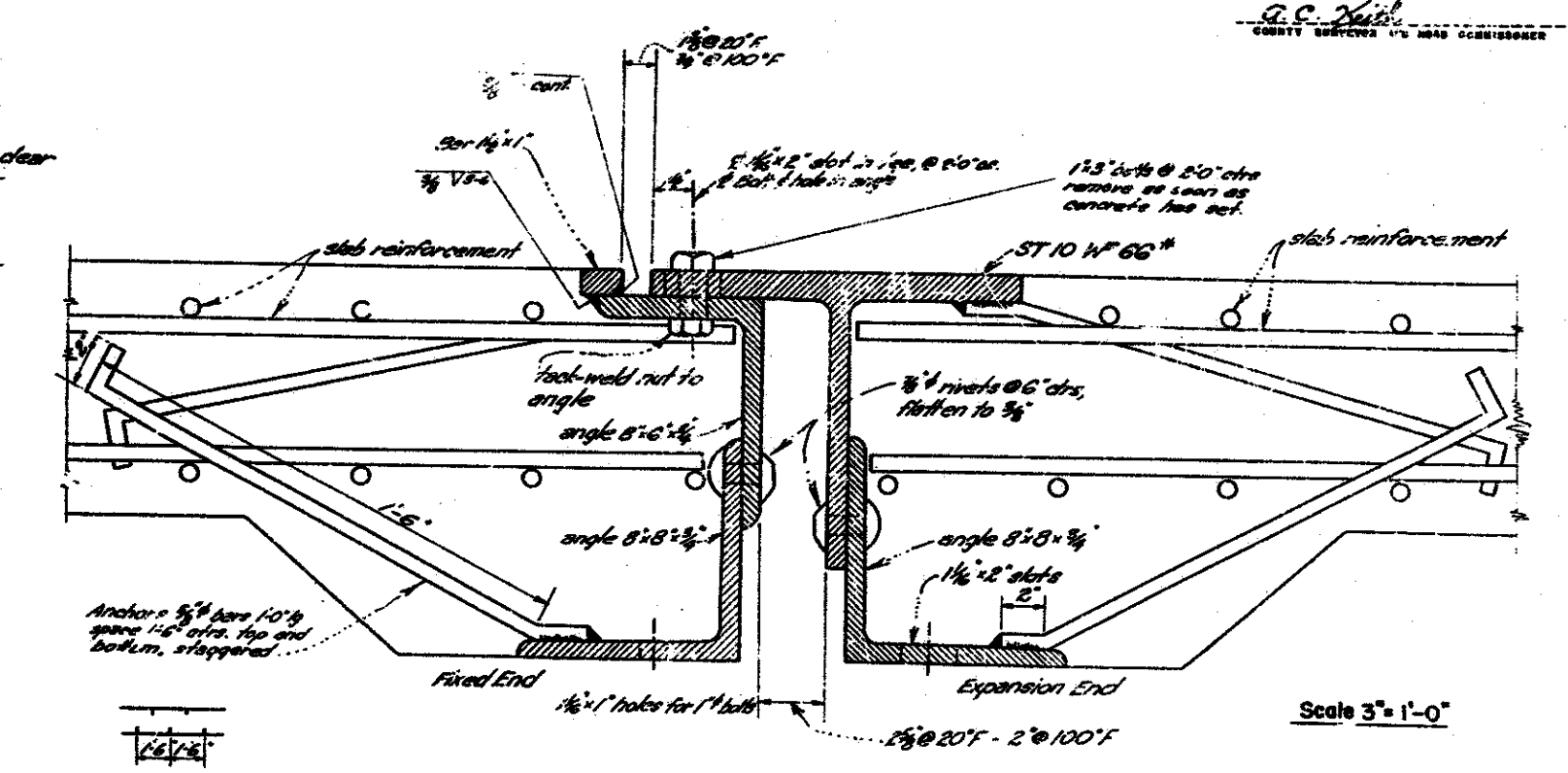
[illegible]



Scale 1"=1'-0"

PLAN

GENERAL NOTES:-
Specifications: Design, A.A.S.H.O. specifications dated 1949 &
Bridge Department Supplement dated May 1, 1949. Construction,
Standard Specifications of the Division of Highways, dated January 1949.
Live Loading - H20-S16-44
Unit Stresses - $f_c = 1000 \text{ psi}$; $f_t = 20000 \text{ psi}$; $n = 10$; *struct. steel, 18,000 psi*
Pile loading, 20 tons. *timber*; 40 tons. *concrete*.
Bar deformation shall conform to A.S.T.M. Spec. A-305-49



CRESTMORE BRIDGE	
EXPANSION JOINT DETAILS	
SCALE AS SHOWN	FILE NO.
BRIDGE NO. 56C-24	DRAWING NO. C-2718-B

