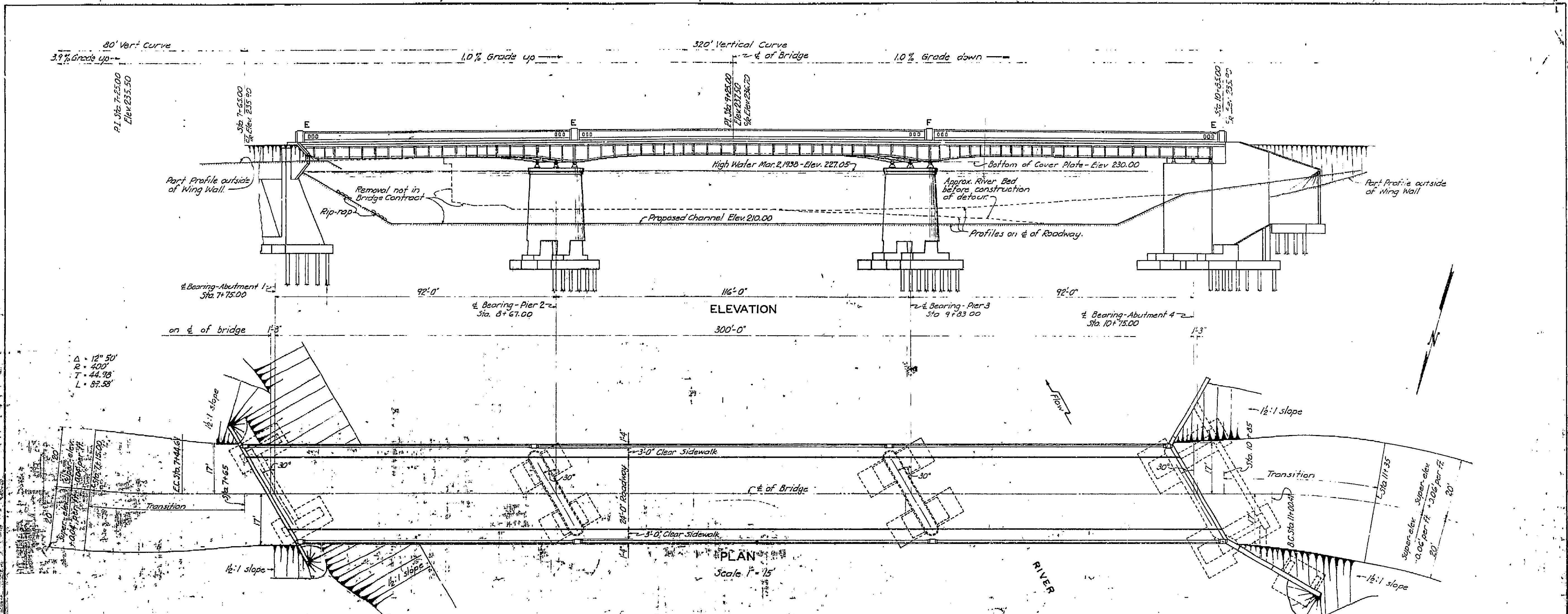


The Bridge As-Built Plans and corresponding BrDR Models are provided for example only and may not represent the modeling techniques used by your agency.



GENERAL NOTES

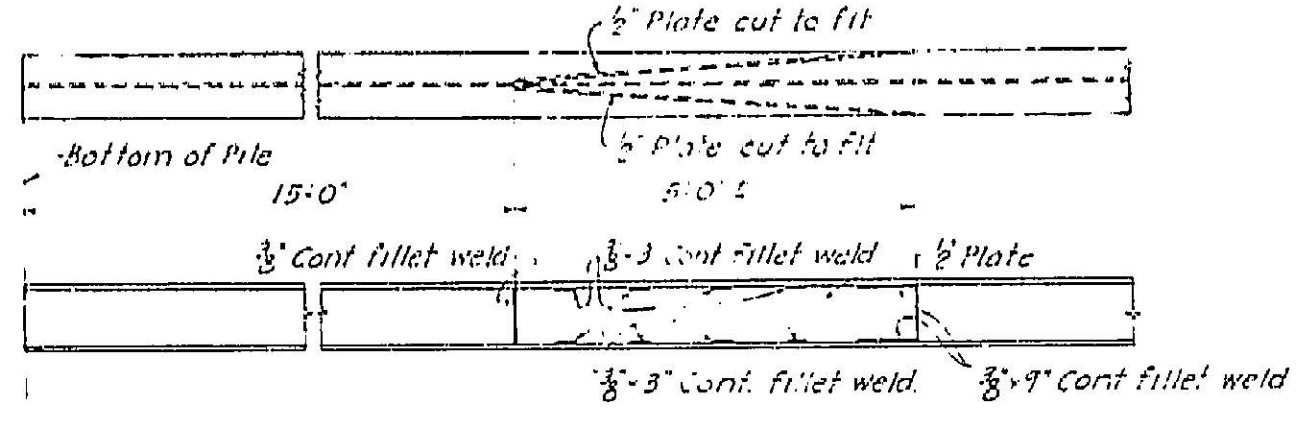
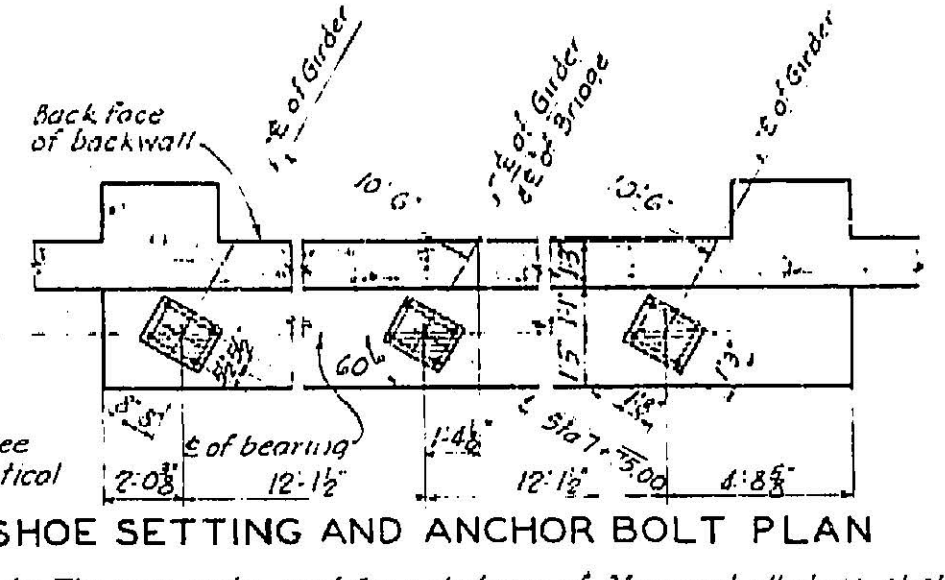
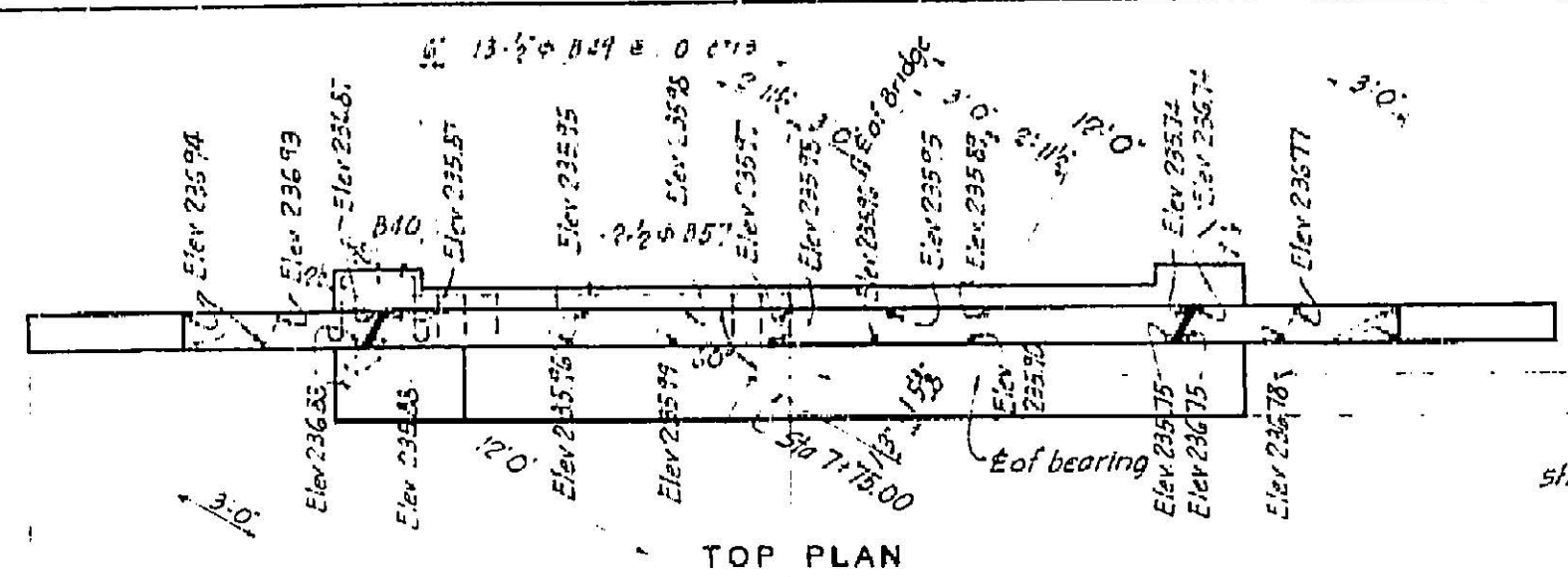
All design is based on the use of concrete having an ultimate strength of 3,000 lbs. per sq. in.
 The floor slab shall be poured as shown on slab details, sheet #10.
 Provide substantial keys at all construction joints.
 Exposed edges of concrete shall be beveled $\frac{1}{4}$ " where no other bevel is noted.
 Quantity of "Bridge Excavation" is estimated as the quantity removed from within vertical planes as shown on detail drawings of piers and abutments.
 Quantity of "Steel Piling" is based on an estimated length of 30 feet per pile.
 Design of foundations is based on a maximum pile pressure of 35 tons per pile for vertical loads plus overturning due to earth pressure and a maximum pressure of 40 tons per pile for any combination of vertical loads, horizontal force and earth pressure.
 Where "Exp. Joint Matl." is specified on plans for use in partition or expansion joints it shall be securely stitched to one face of concrete with copper wire.
 Unless otherwise noted all reinforcing bars shall be lapped a minimum of 50 diameters at splices.
 No direct payment will be made for copper flashing and expansion joint material, the entire cost being completely covered by the prices paid for other items of the contract.

TABLE OF ESTIMATED QUANTITIES

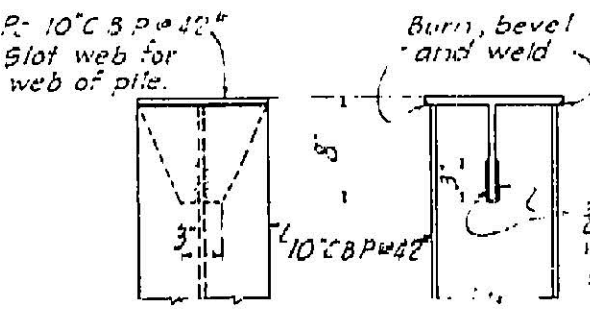
Item	Unit	Substructure Quantity	Superstructure Quantity	Total Quantity
Bridge Excavation	cu. yds.	2,390	—	2,390
Steel Piles	lin. ft.	5,820	—	5,820
Steel Test Piles	lin. ft.	120	—	120
Concrete in Piers and Abutments	cu. yds.	816	—	816
Reinforcing Steel	lbs.	121,300	72,100	193,400
* Fabricated Structural Steel	lbs.	—	330,000	330,000
Concrete in Roadway Slab	cu. yds.	—	265	265
Concrete in Handrail	cu. yds.	—	34	34
Concrete in Seal Courses	cu. yds.	50	—	50

* This item includes lead plates, phosphor bronze washers and steel castings.

DATE	REVISION	REV.	CMD	APP.



DETAIL OF SPECIAL TIP

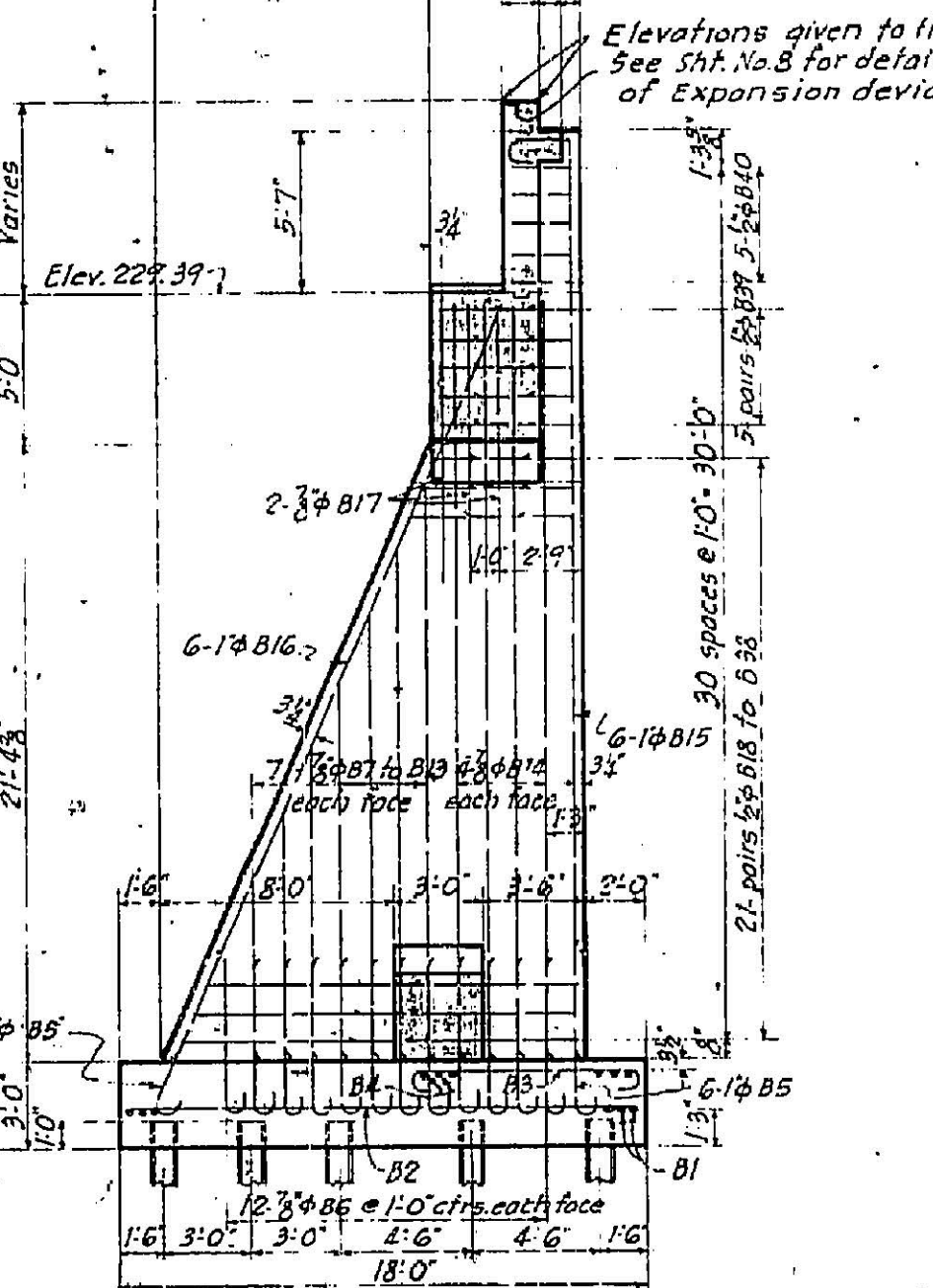
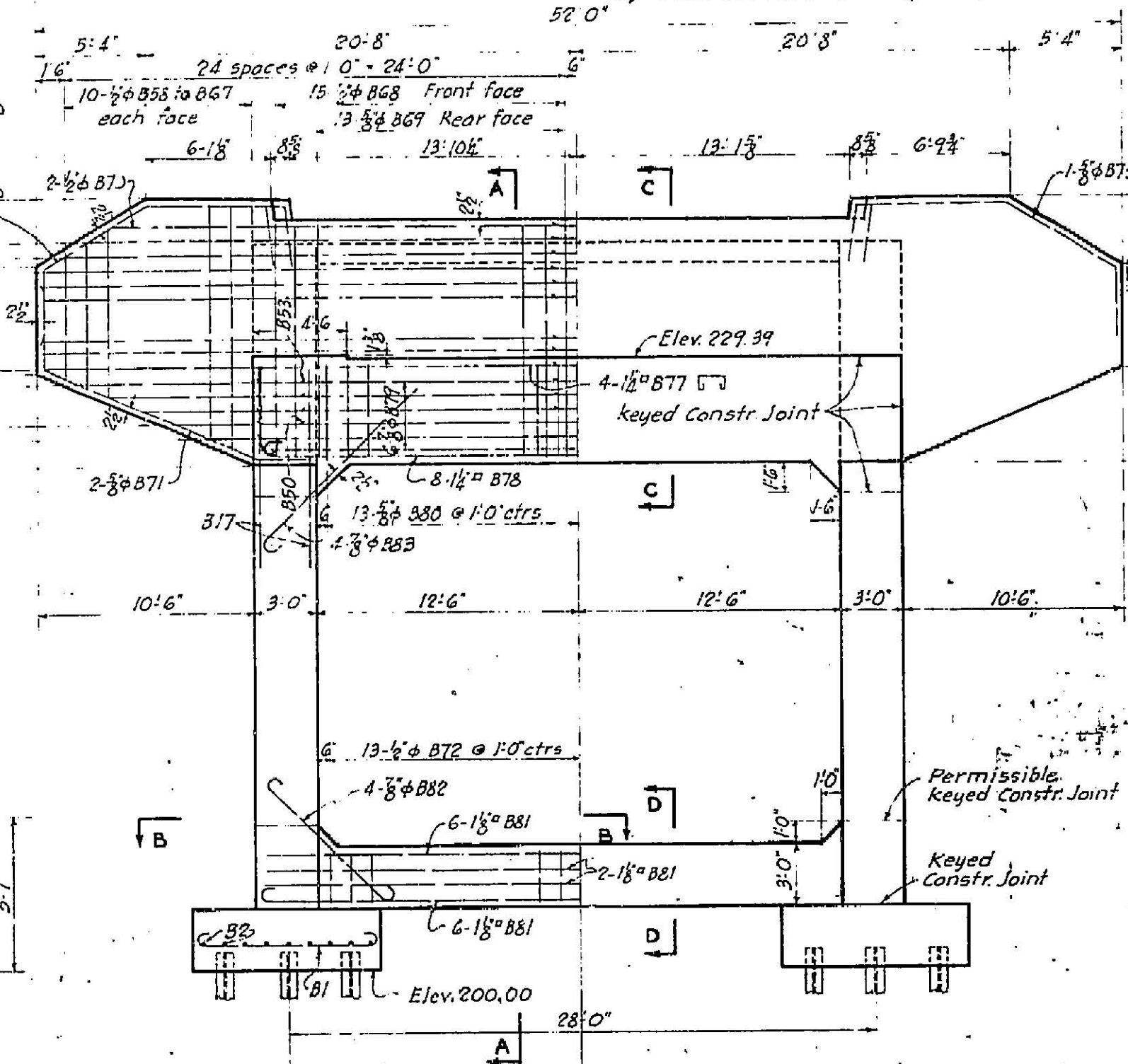


CAP DETAIL

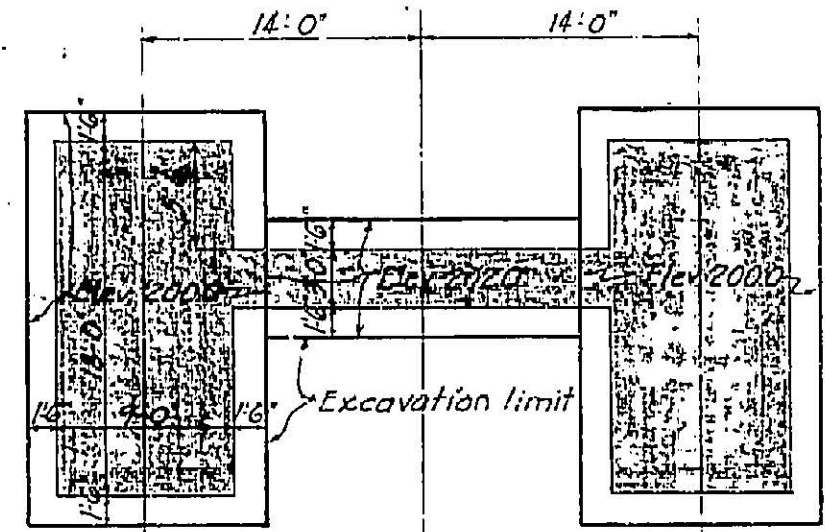
DETAILS OF PILES

Note: The area under, and for a distance of 3' around all shoes, shall be constructed to an elevation 0.04 above the elevation given on details for top of bridge seat. These areas shall be ground down to a finished elevation 0.02 above the detailed elevation of top of bridge seat. The raised areas shall be dressed to a uniform level bearing with a carborundum brick or a power grinder after concrete has set sufficiently to fix the larger particles of sand.

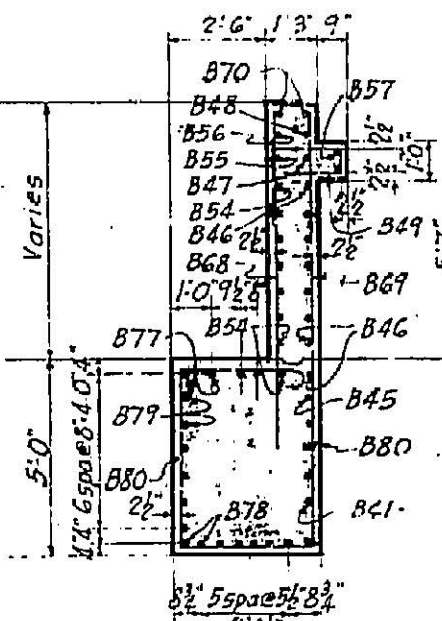
Elevations given to these points See Sht. No. 8 for details of Expansion device.



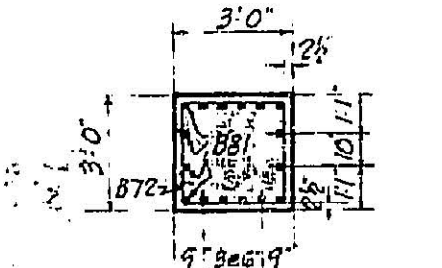
SECTION A-A



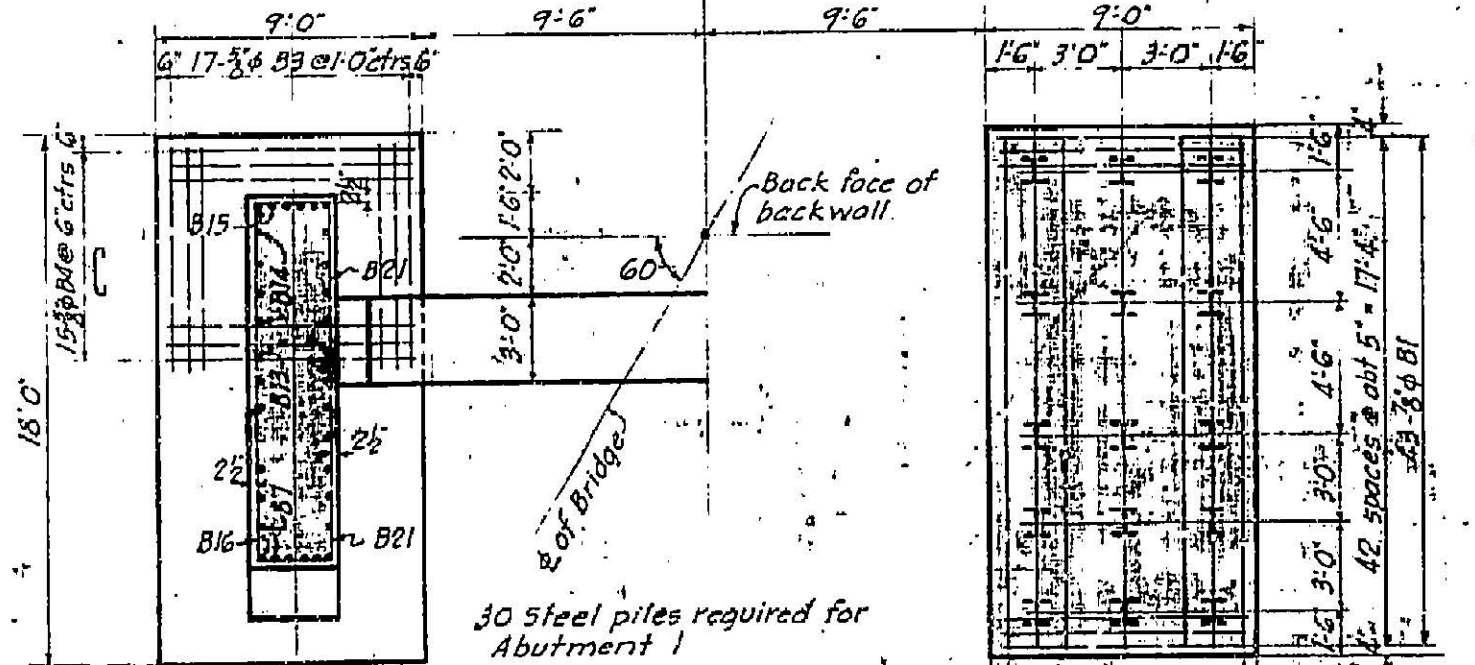
EXCAVATION PLAN OF ABUTMENT I
Vertical limits of excavation are from elevations given, up to the ground line at the time excavation is made.



SECTION C-C



SECTION D-D



HALF SECTION B-B
Showing bars in top of footing

HALF PILE PLAN
Showing bars in bottom of footing

DETAILS OF ABUTMENT

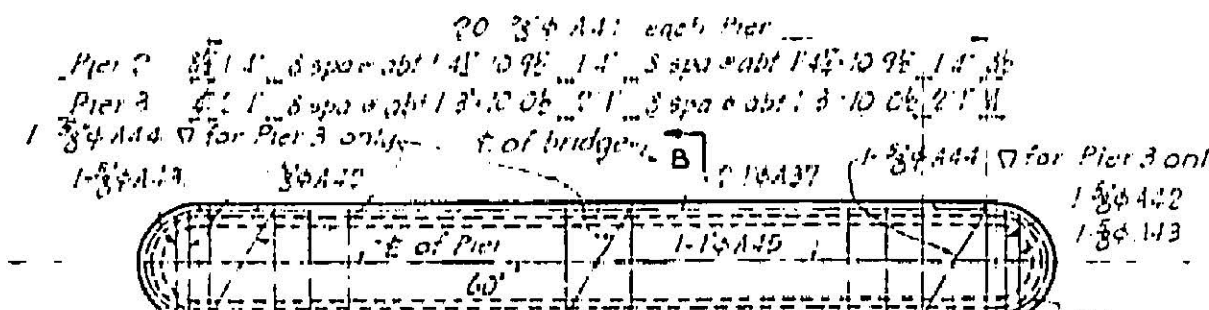
NOTES

For General Notes see sheet No. 2.
For details of shoes and anchor bolts see sheets No. 3 & No. 4.
All dimensions for reinforcing steel are given to center of bar.
For details of Anchor bolt wells see sheet No. 4.

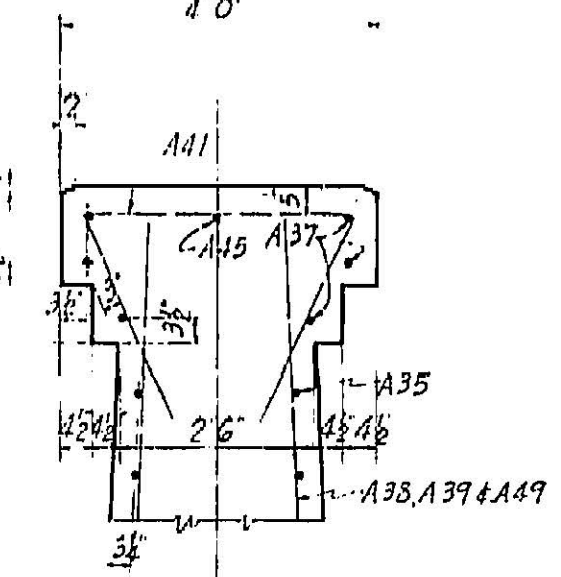
DATE	REVISION	REV.	CHK.	APP.

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

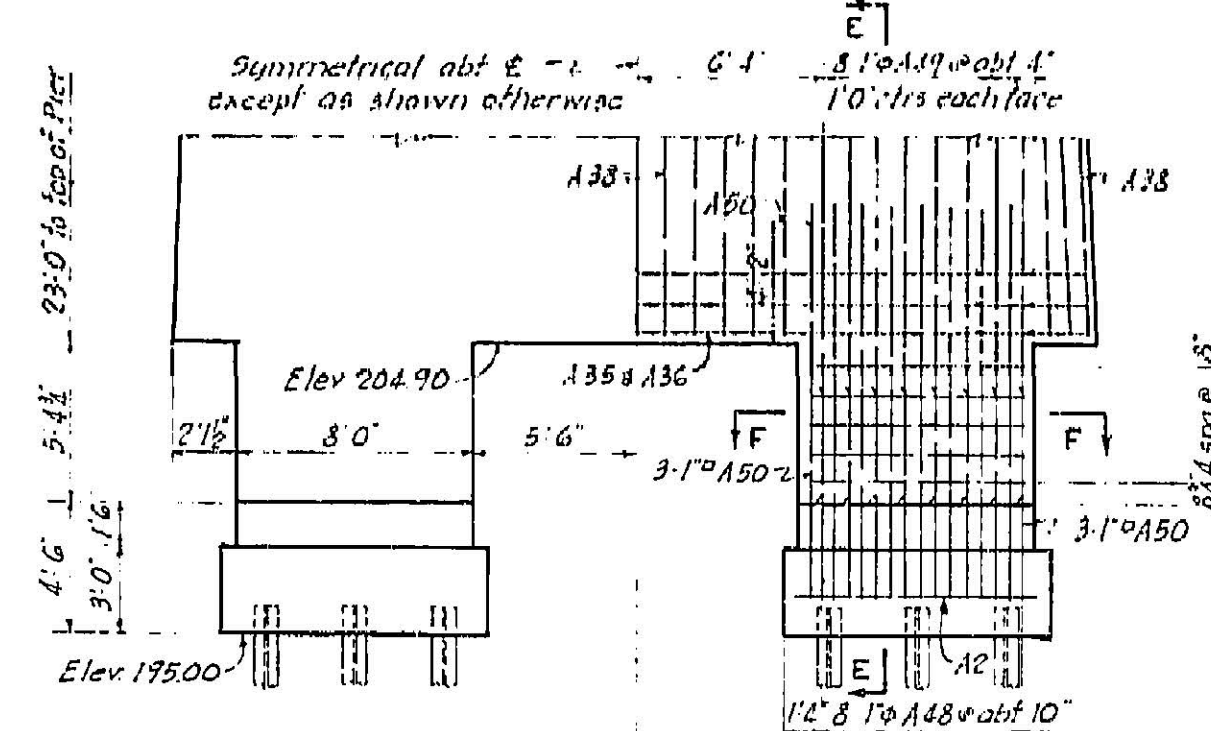
DATE _____ SIGNATURE _____ TITLE _____



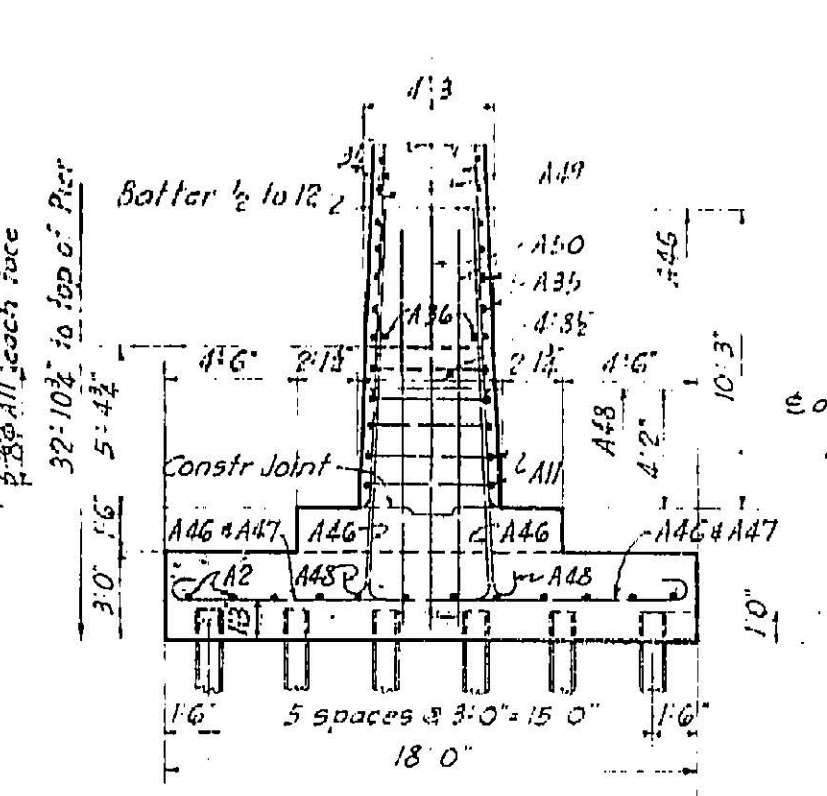
PLAN OF CAP FOR PIERS 2 AND 3



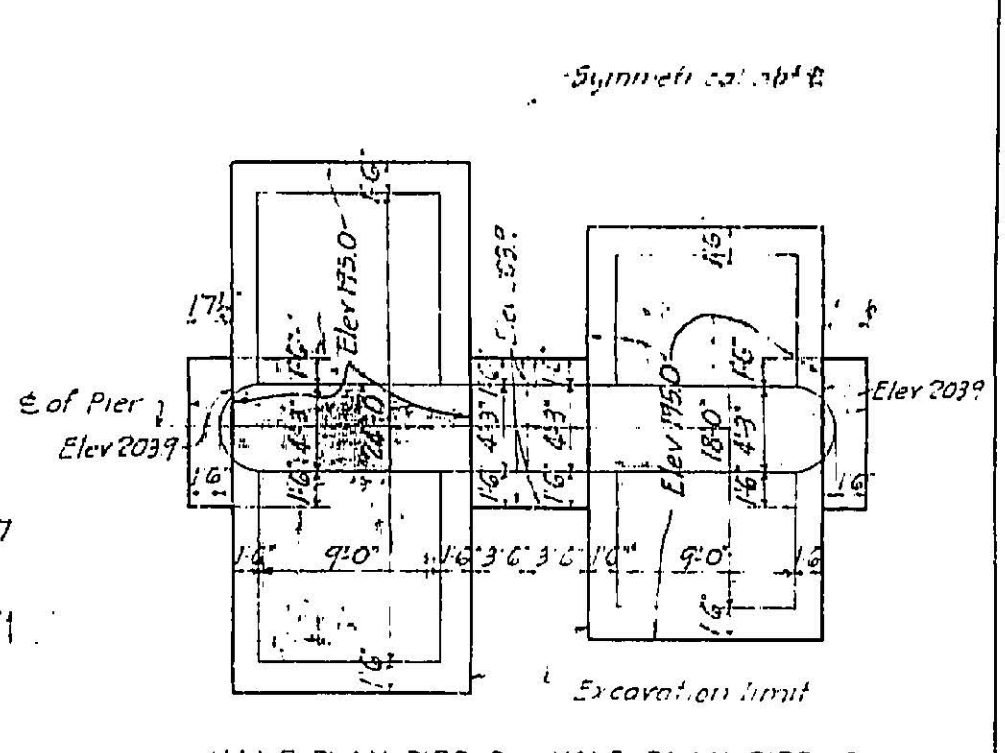
SECTION B-B



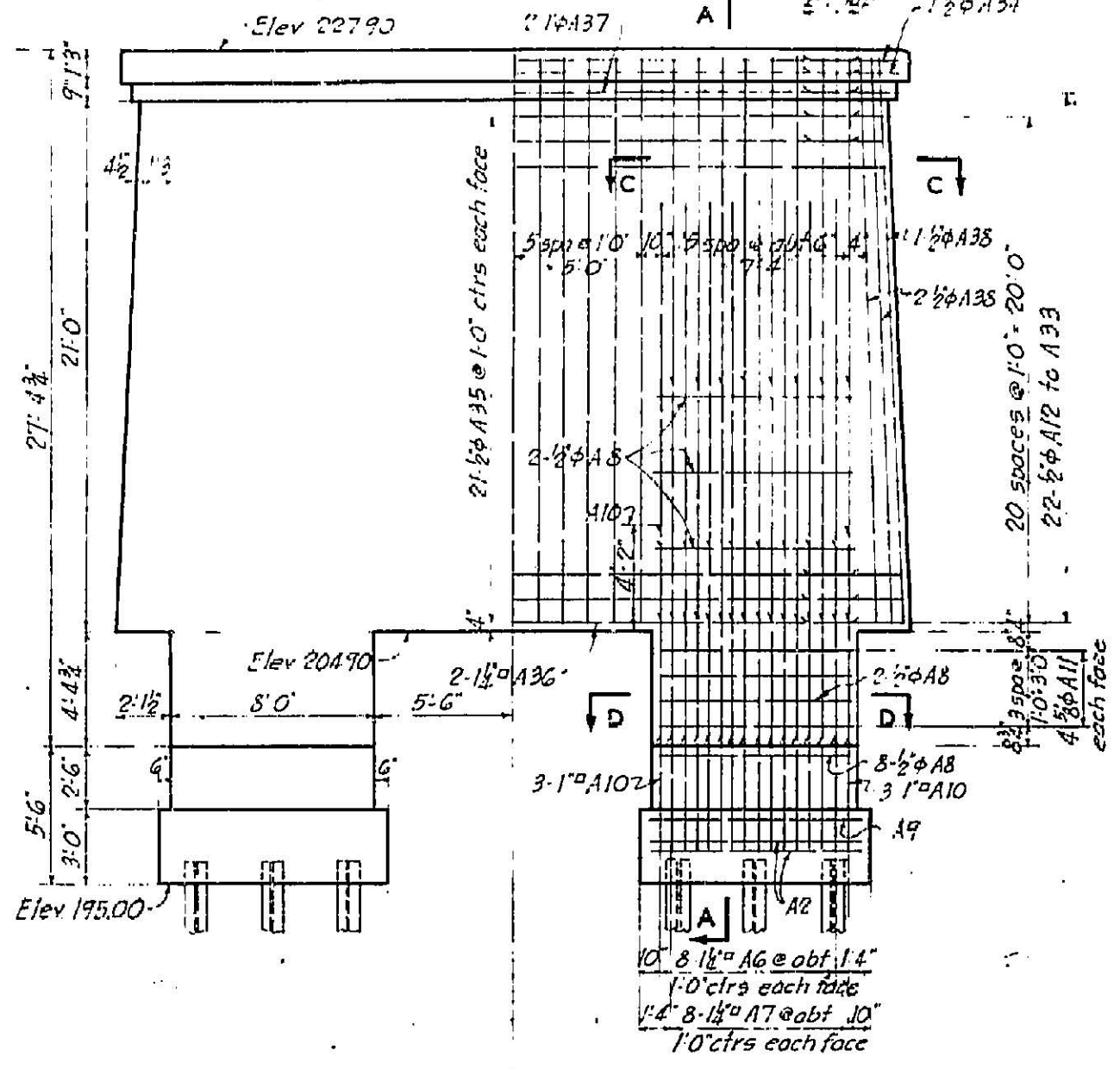
PART ELEVATION OF PIER 2



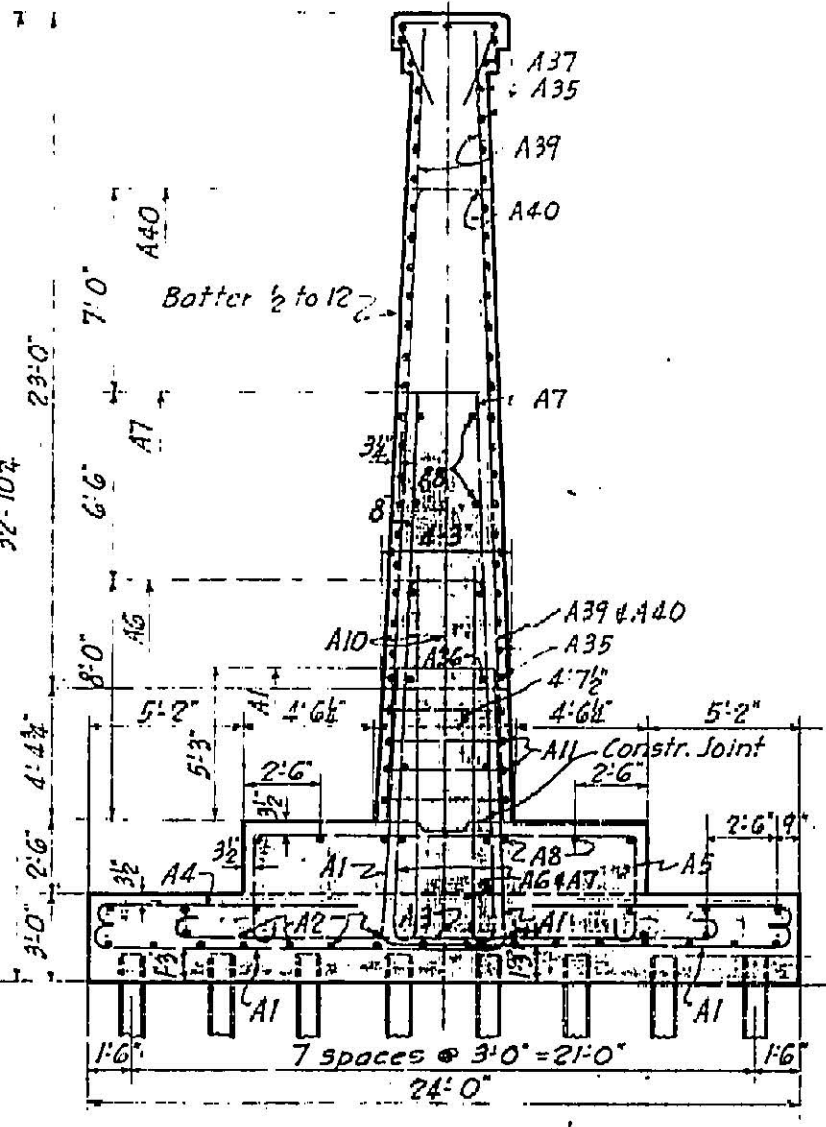
SECTION E-E



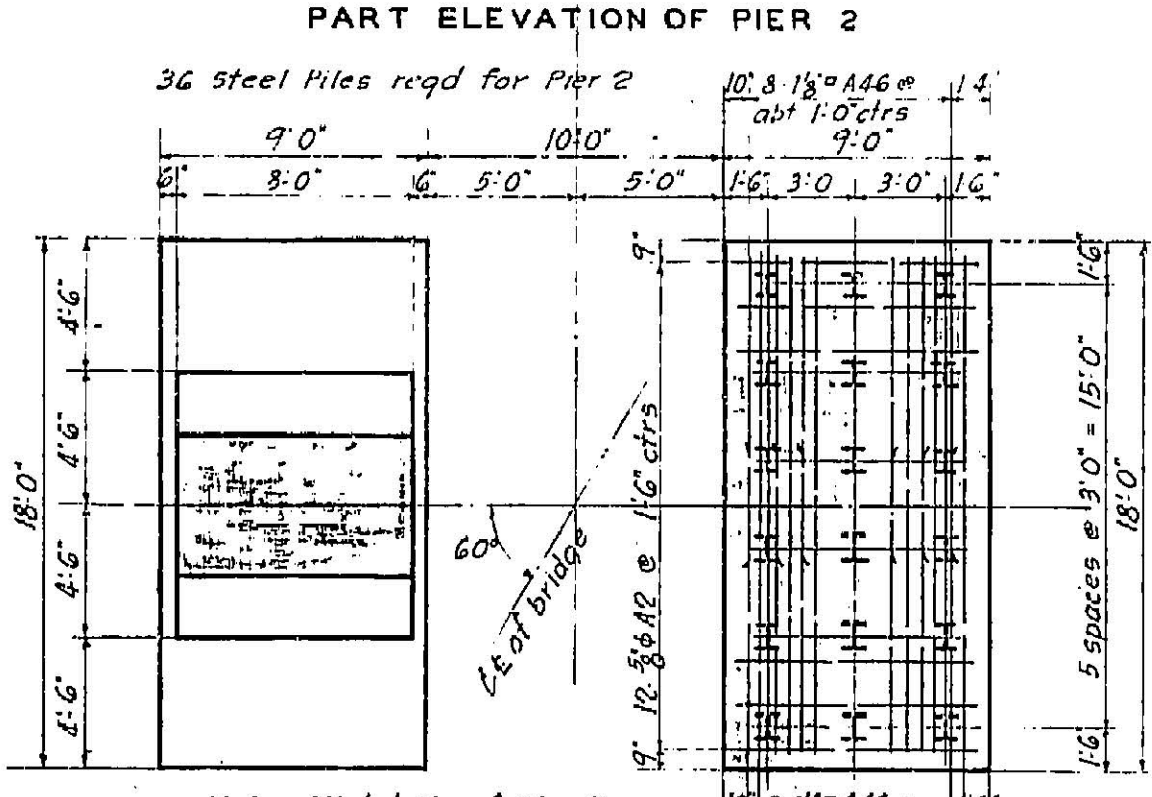
EXCAVATION PLAN OF PIERS



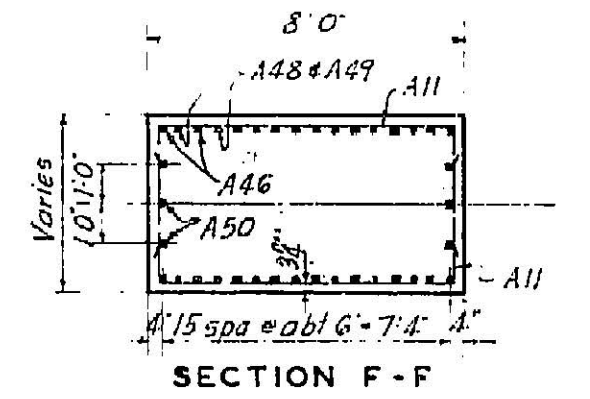
ELEVATION OF PIER 3



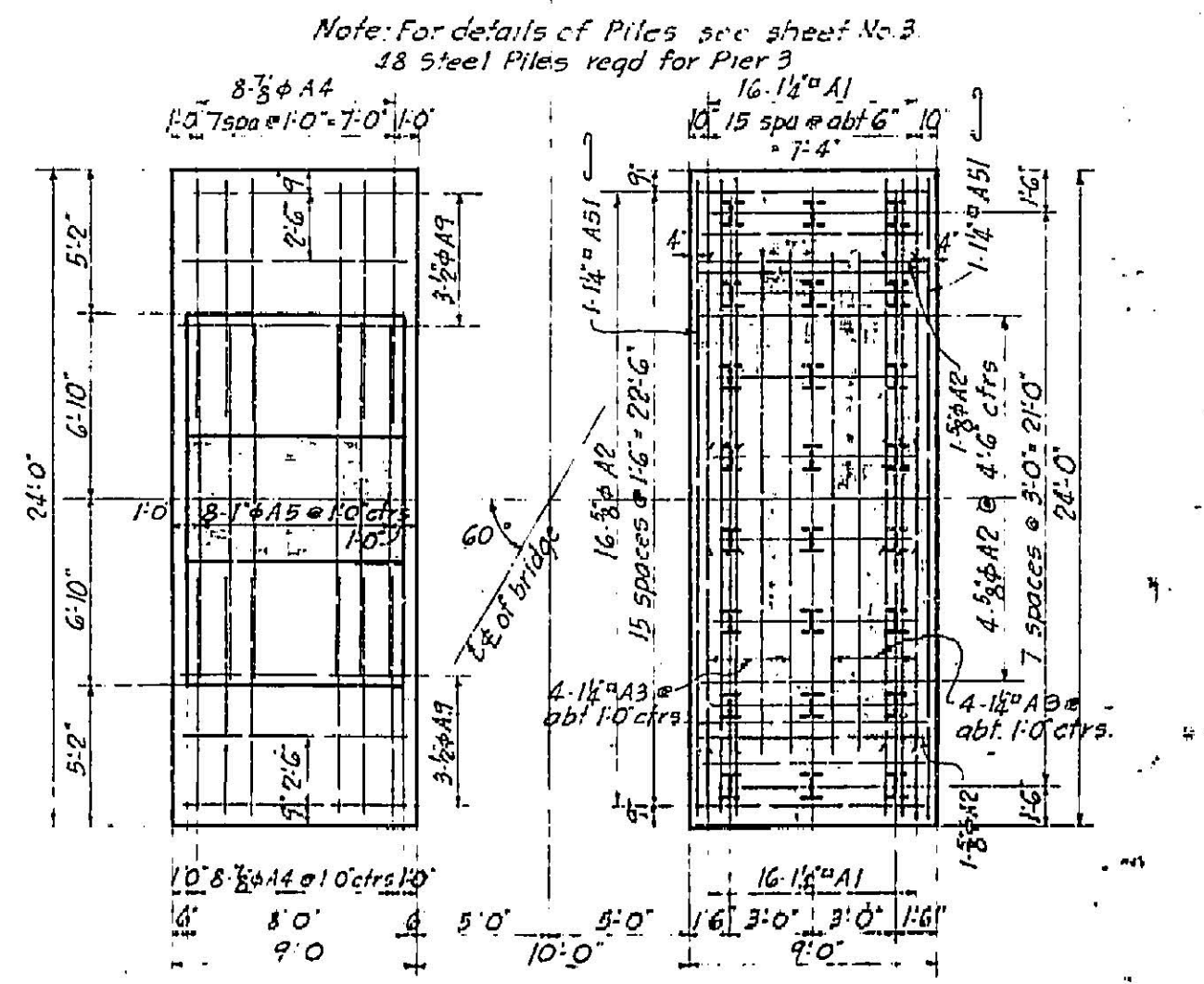
SECTION A-A



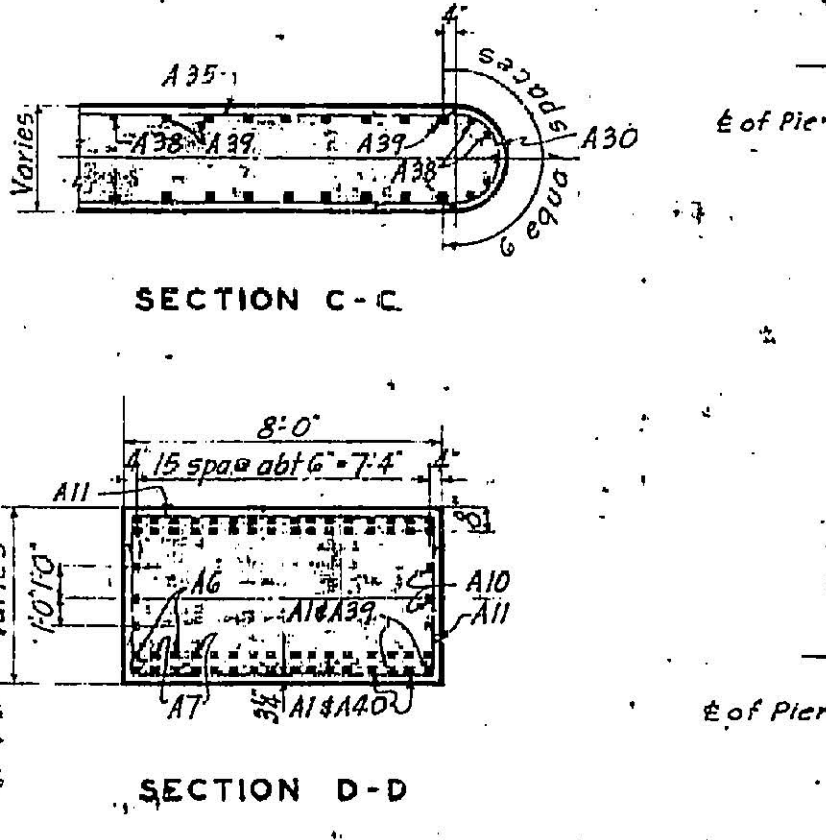
DETAILS OF PIER 2



SECTION F-F

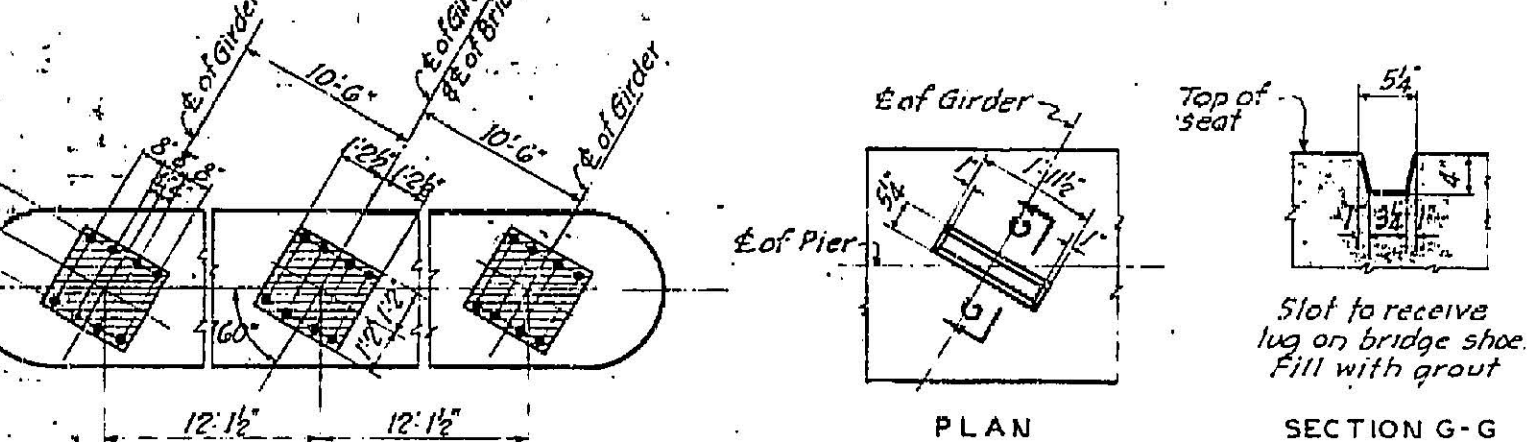


DETAILS OF PIER 3

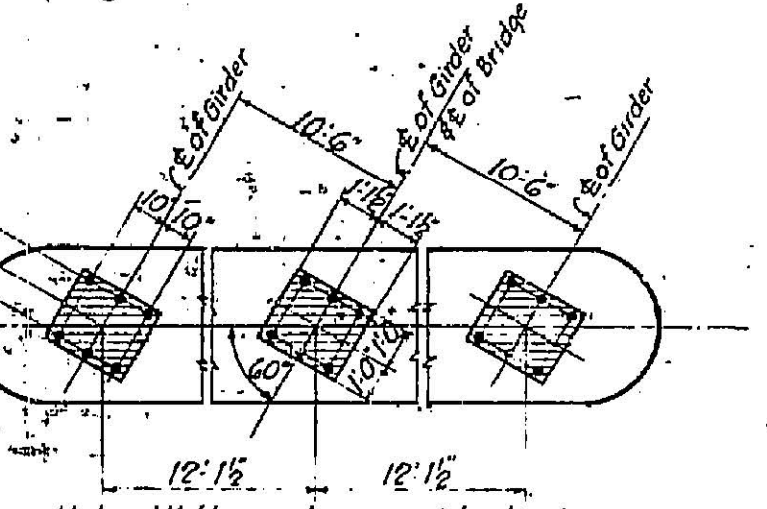


SECTION C-C

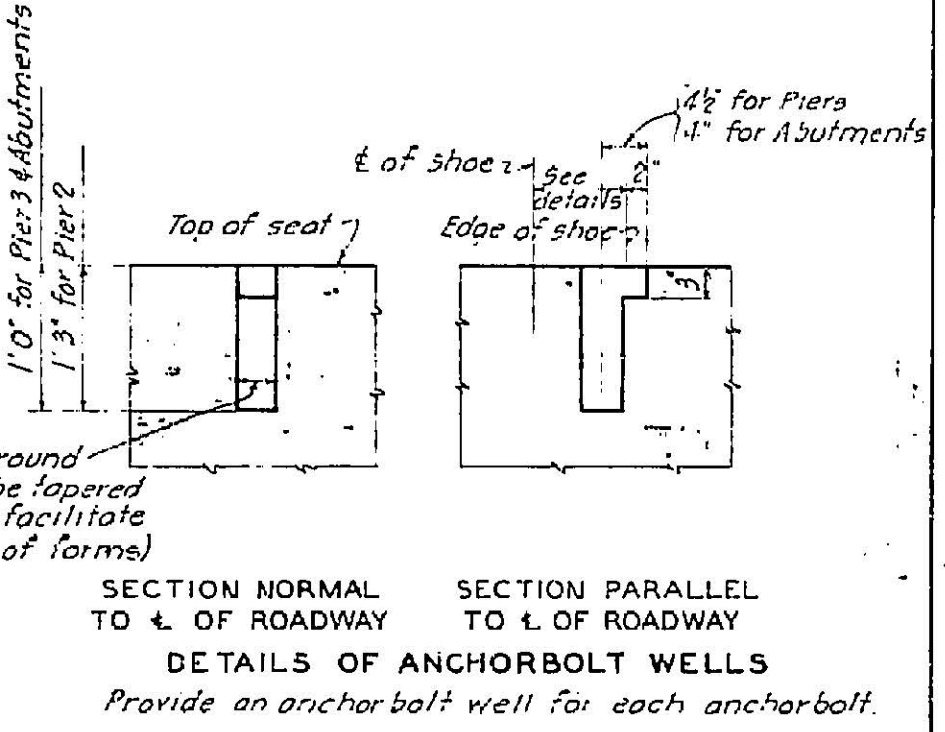
SECTION D-D



DETAILS OF SLOTS IN TOP OF PIER 3



ANCHOR BOLT AND SHOE SETTING PLAN



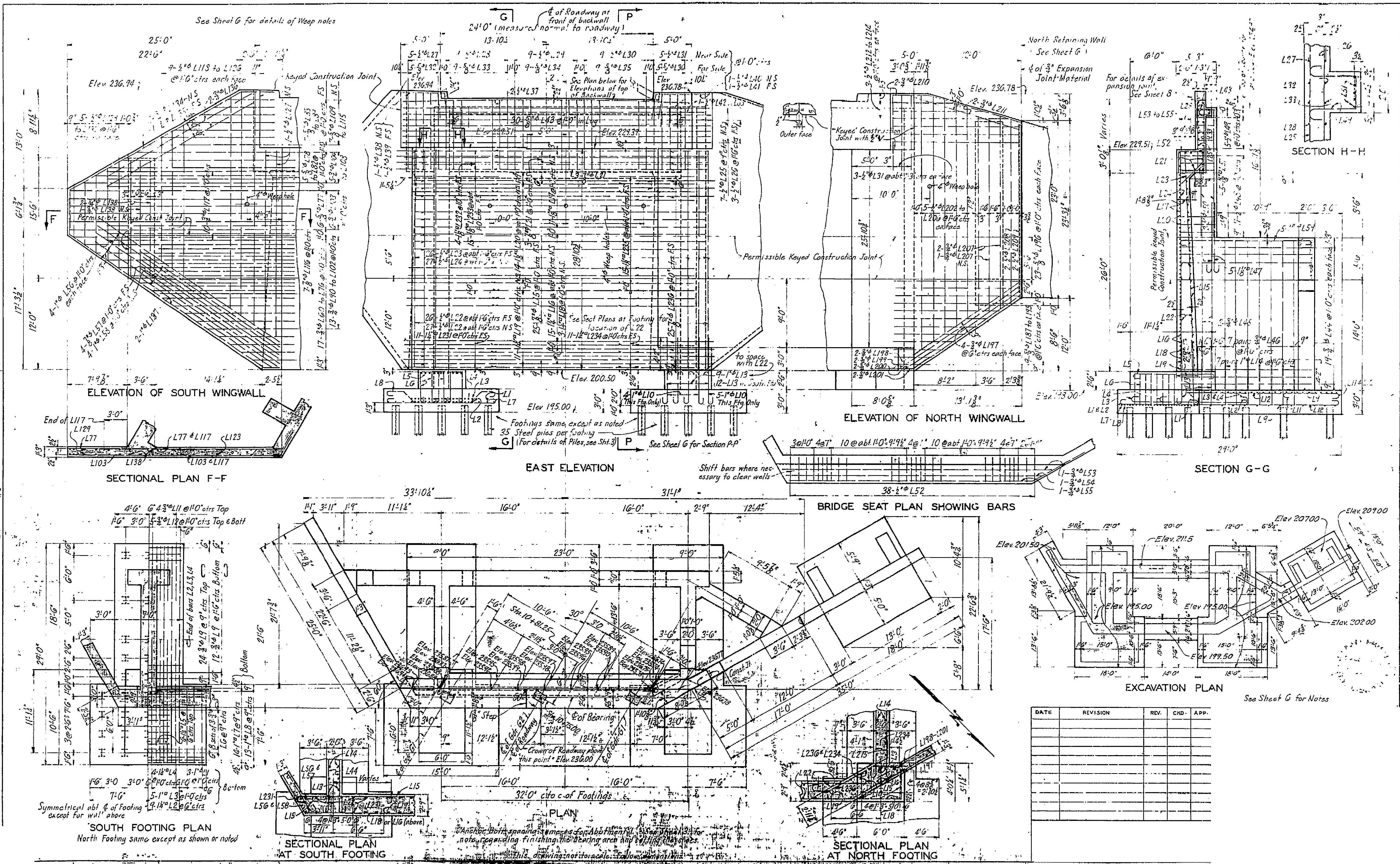
DETAILS OF ANCHOR BOLT WELLS

NOTES

For general notes see sheet No 2.
For details of shoes and anchor bolts see sheets No 8 & No 9.
All dimensions for reinforcing steel are given to center of bar.

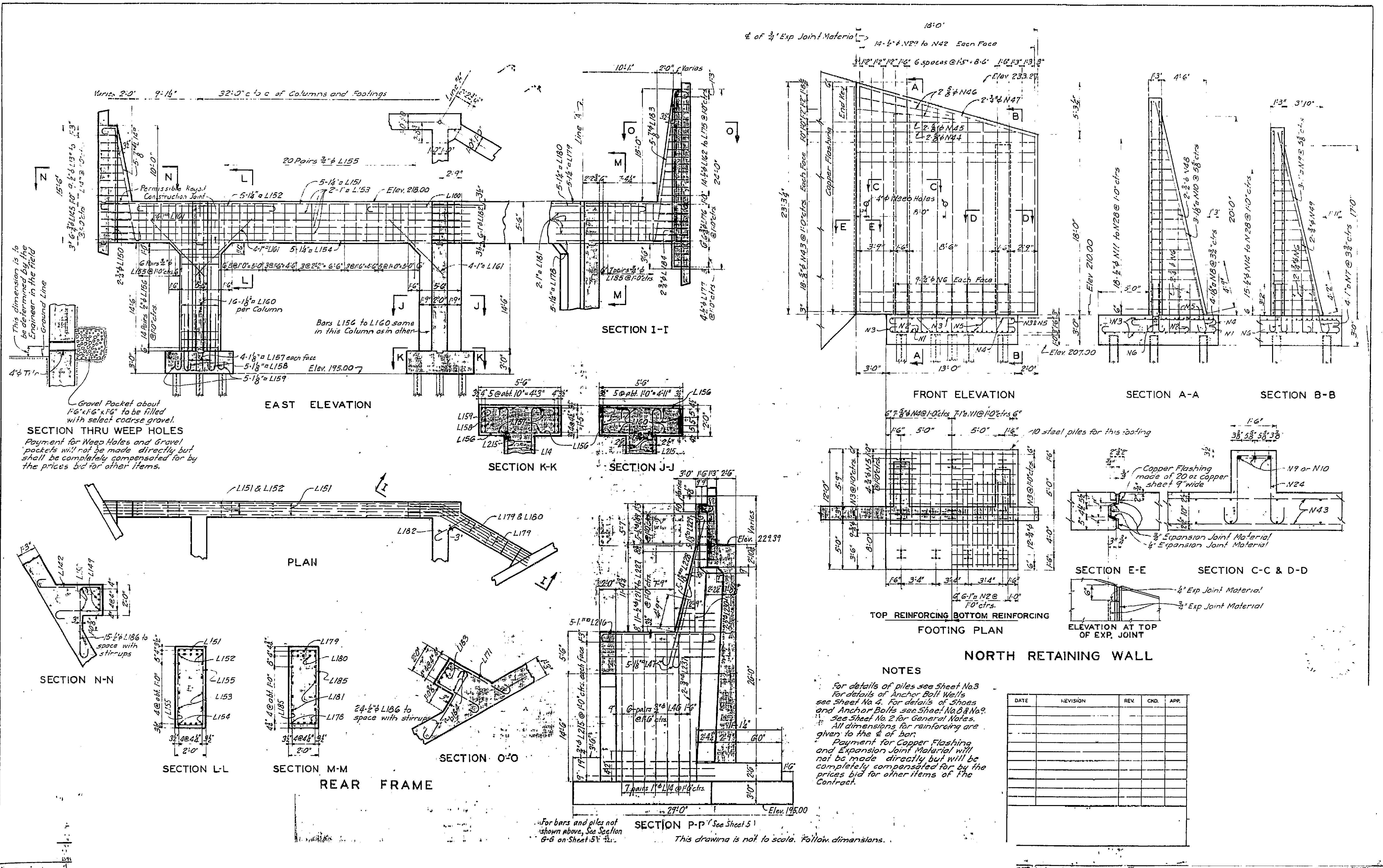
DATE	REVISION	REV.	CHK.	APP.

Note: This drawing is not to scale. Follow dimensions. Power grinder after concrete has set sufficiently to fix the larger particles of sand.



DATE	REVISION	REV.	CHD.	APP.

See Sheet G for Notes

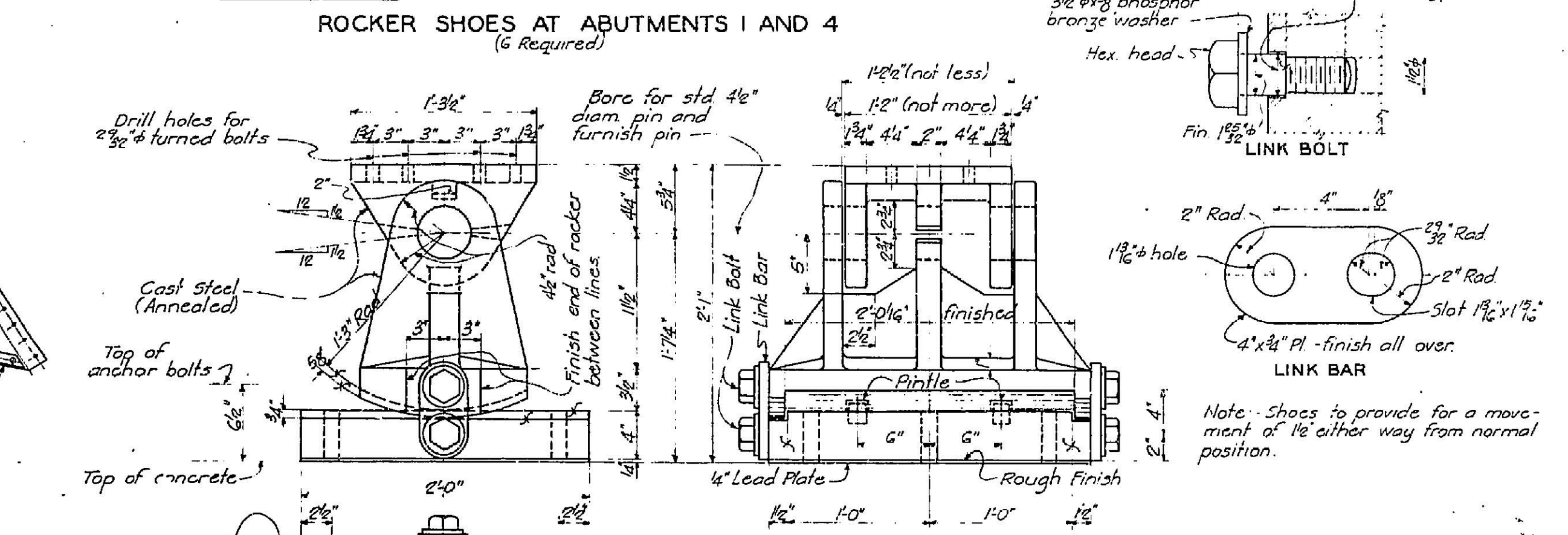
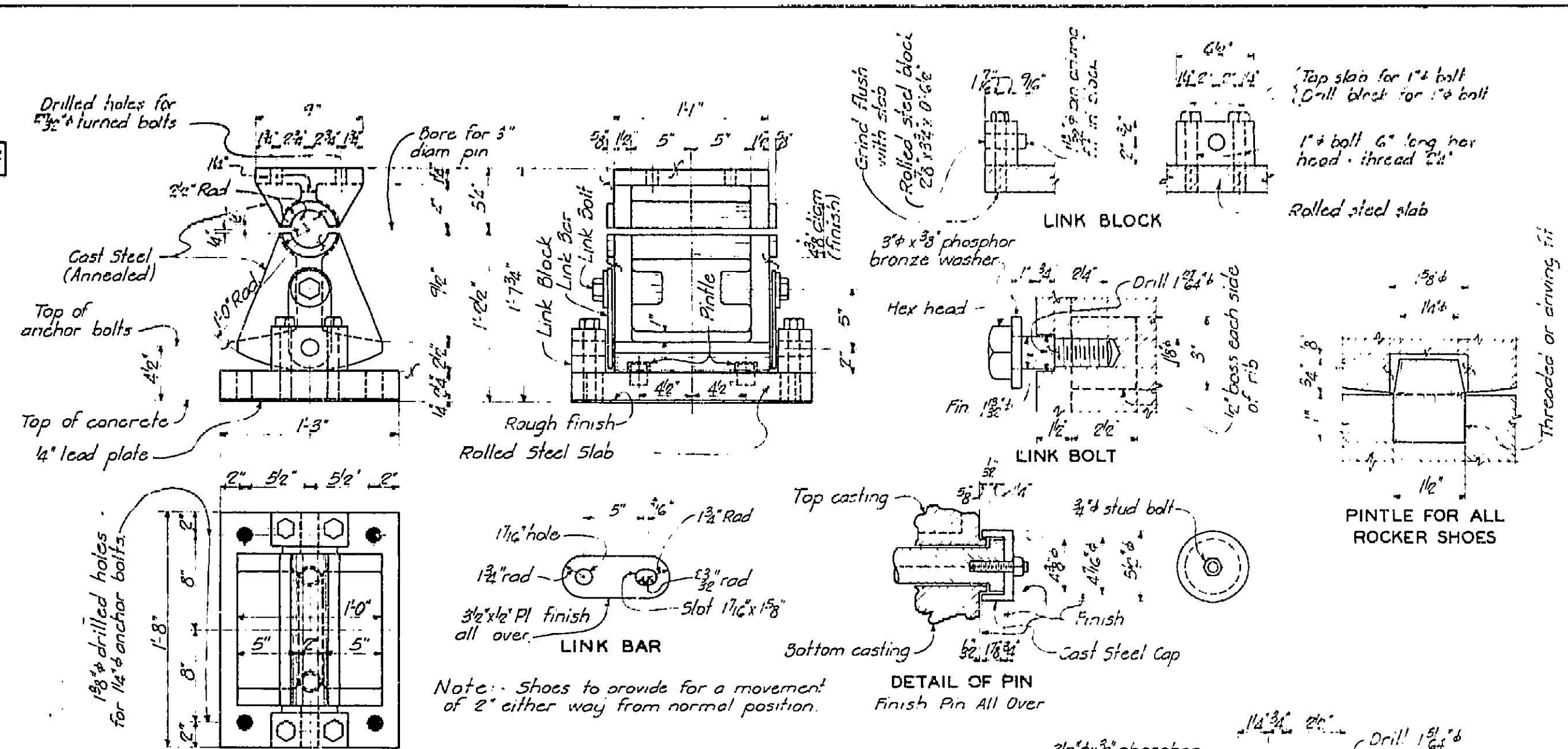
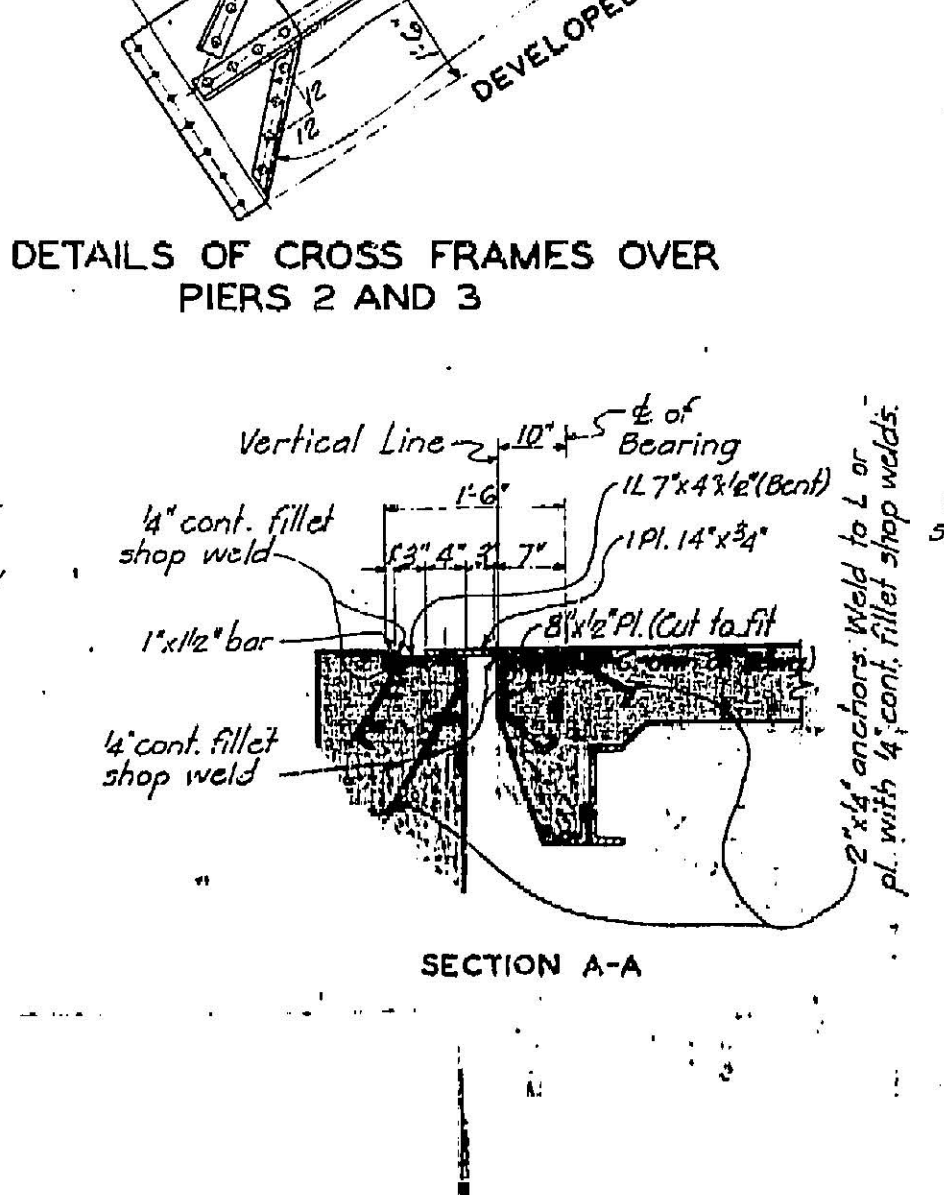
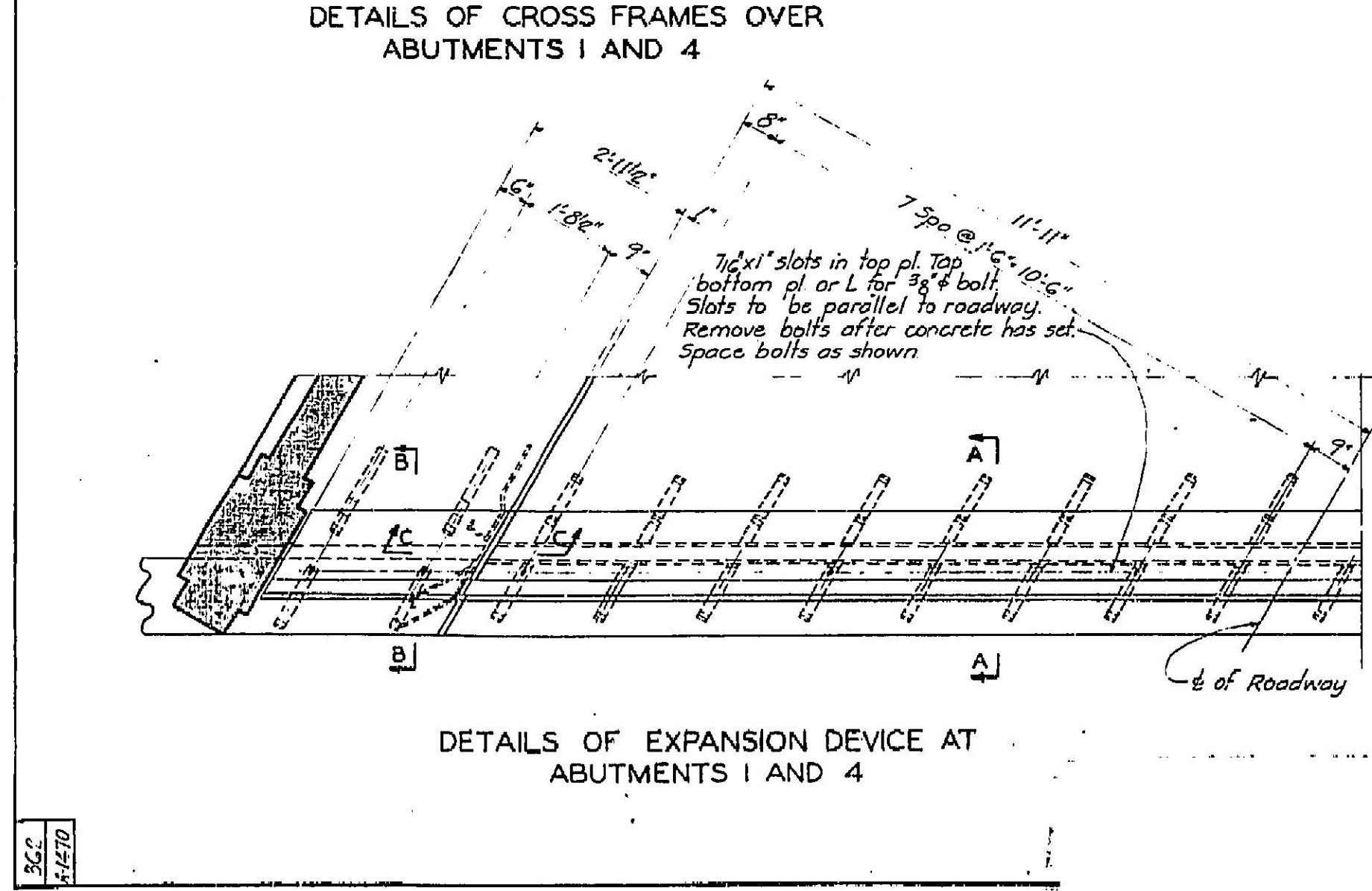
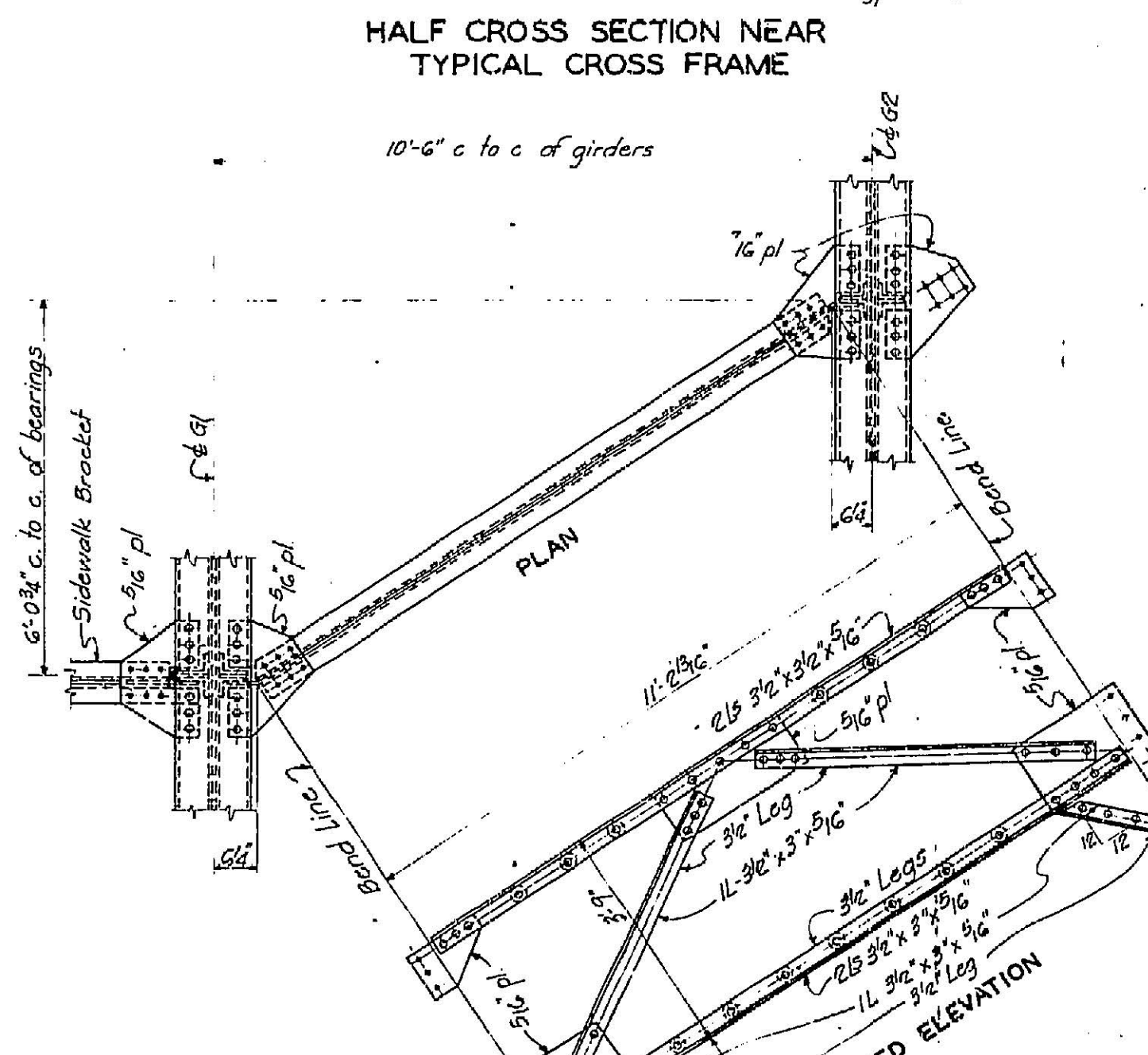
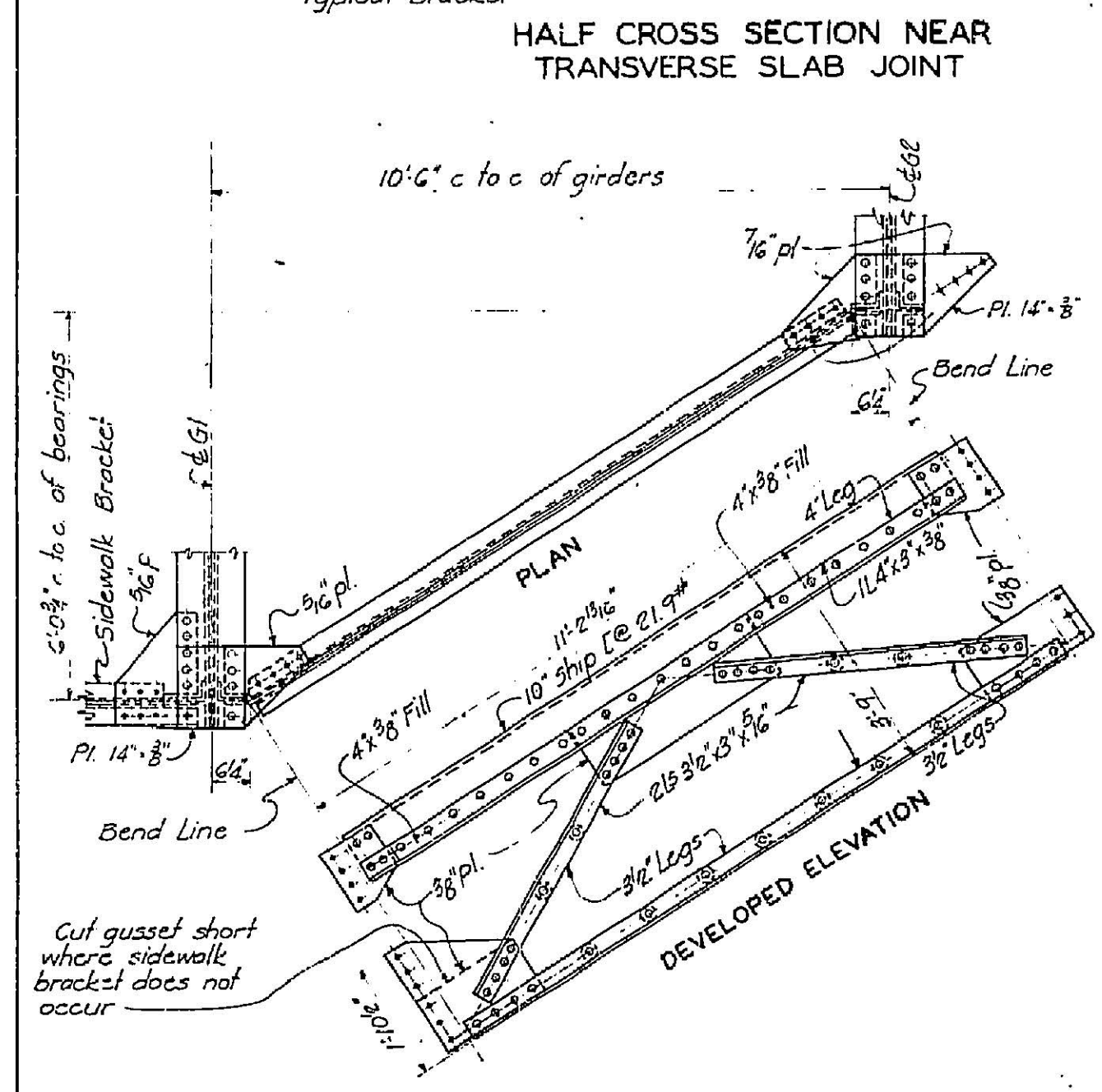
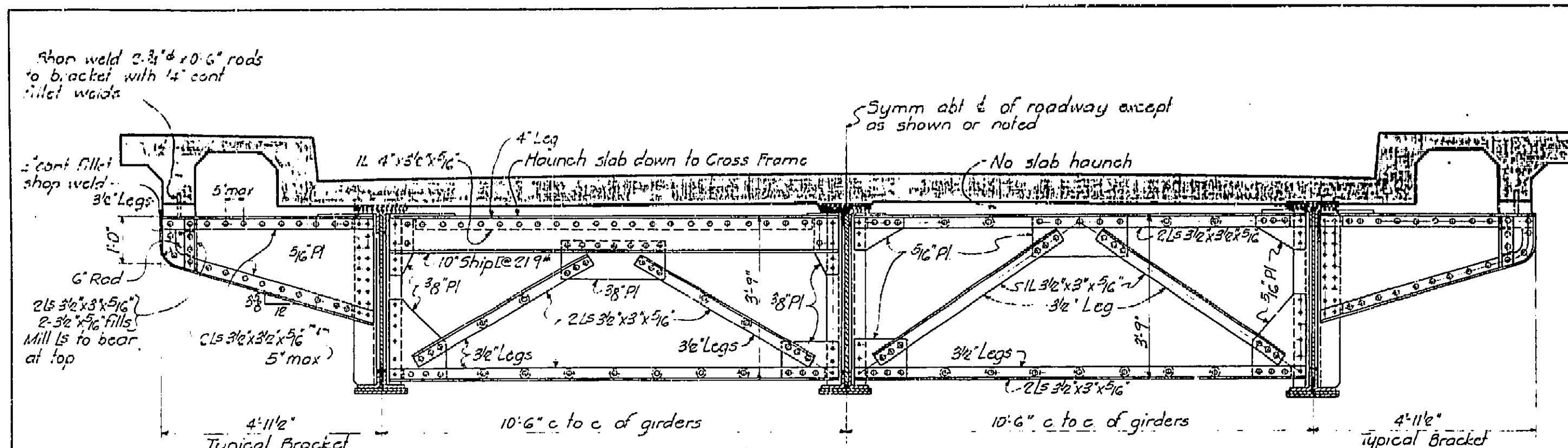


NOTES

For details of piles see Sheet No.3
 For details of Anchor Bolt Wells see Sheet No.4. For details of Shoes and Anchor Bolts see Sheet No.3 & No.4.
 See Sheet No.2 for General Notes.
 All dimensions for reinforcing are given to the center of bar.
 Payment for Copper Flashing and Expansion Joint Material will not be made directly but will be completely compensated for by the prices bid for other items of the Contract.

DATE	REVISION	REV.	CHK.	APP.

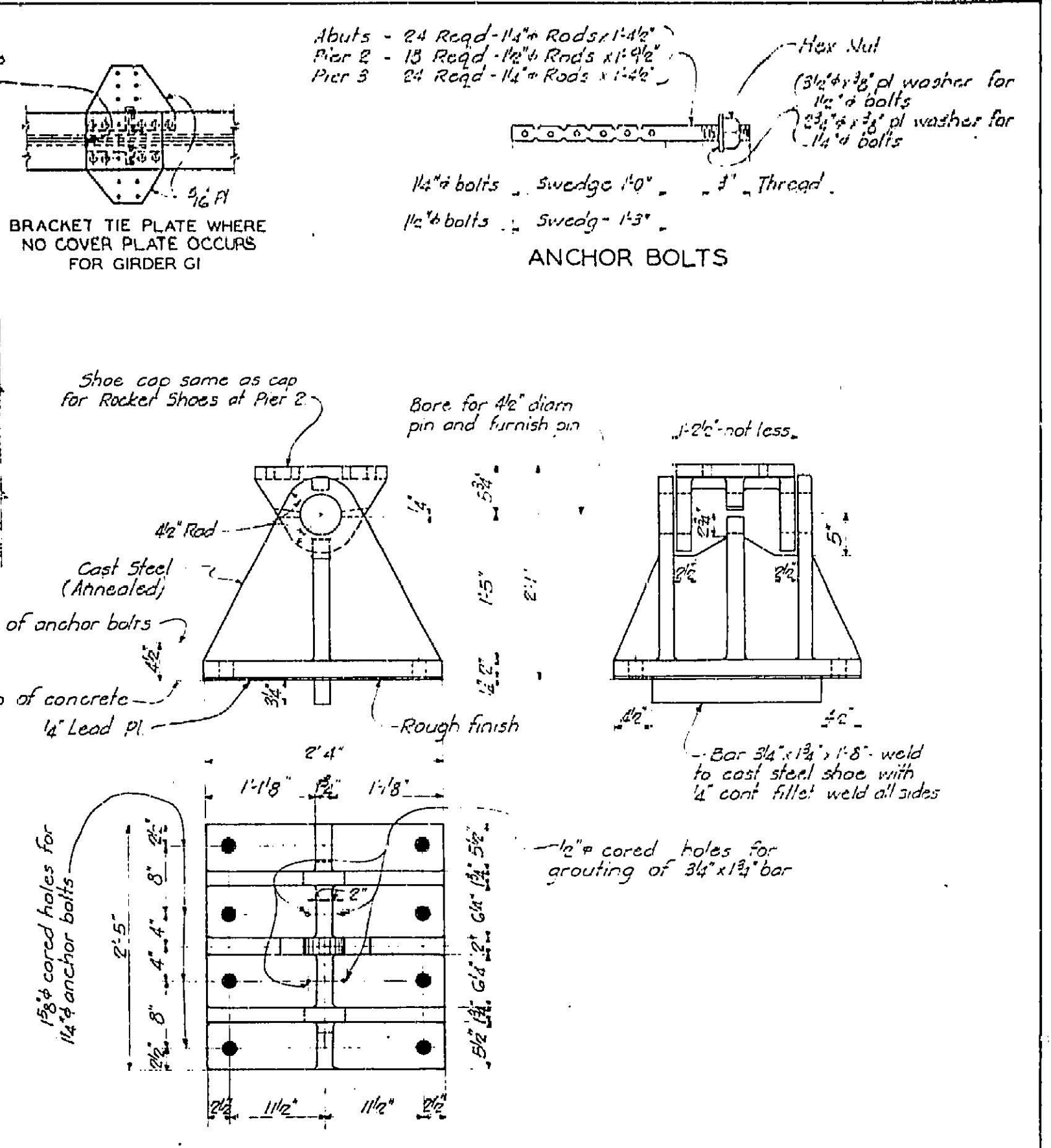
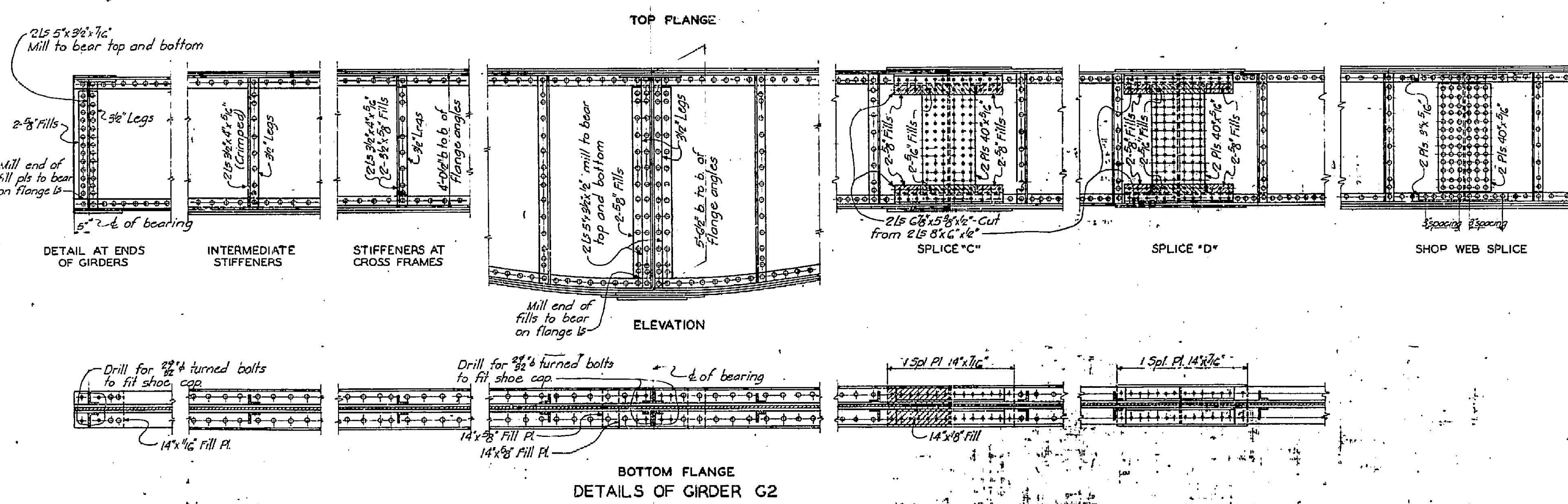
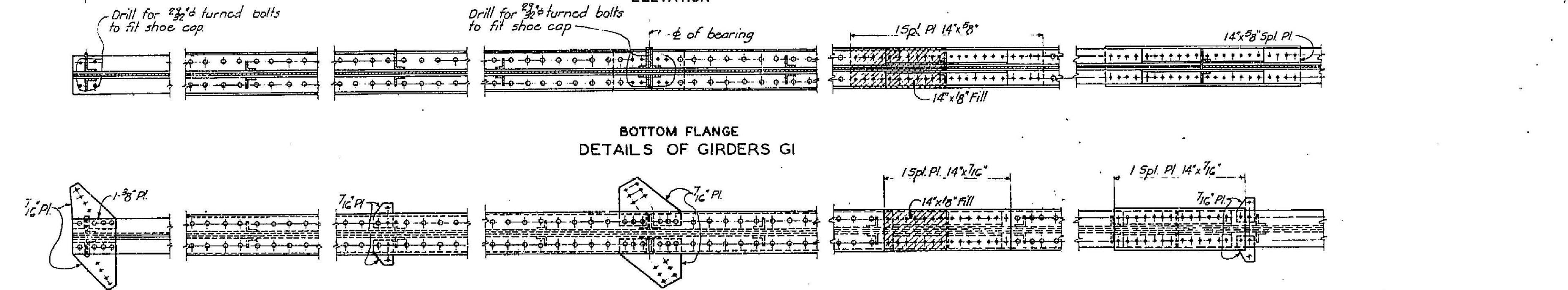
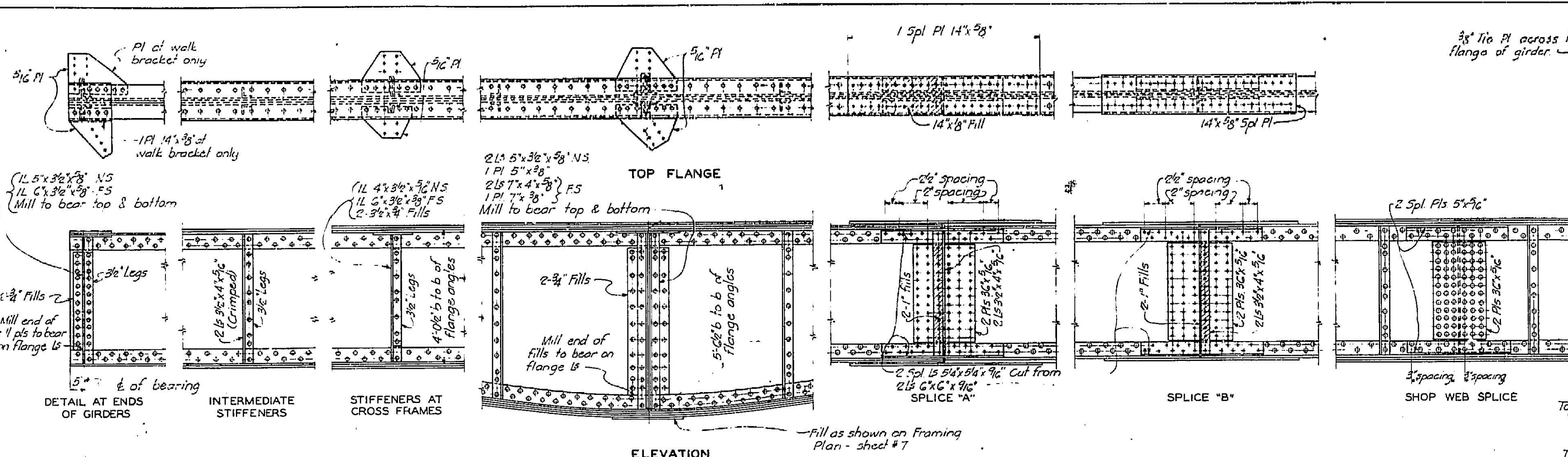
For bars and piles not shown above, See Section G-G on Sheet 5.
 This drawing is not to scale. Follow dimensions.



NOTES

- See sheet #7 for framing plan and other girder details.
- See sheet #9 for notes on shoes.
- All material in expansion devices (except anchors and 3/8" bolts) shall be copper bearing steel and shall conform to the A.S.T.M. specifications for copper steel, Serial Designation A7-36.
- Expansion devices are shown in normal position at a temperature of 70°F.
- Roadway expansion devices shall be shaped to conform accurately to surface of roadway. All expansion devices shall have a snug fit and shall slide freely.

DATE	REVISION	REV.	CHK.	APP.



FIXED SHOES AT PIER 3
(3 required)

NOTES FOR SHOES

See sheet #7 for framing plan and other girder details.

Castings shall conform to the requirements of the Standard Specifications for Steel Castings of the American Society for Testing Materials, Serial Designation A27-36T, Grade B-2, full annealed.

All fillets 1/2" unless noted.

Top and Bottom Castings and Shoe Pin to be assembled in shop and shipped assembled.

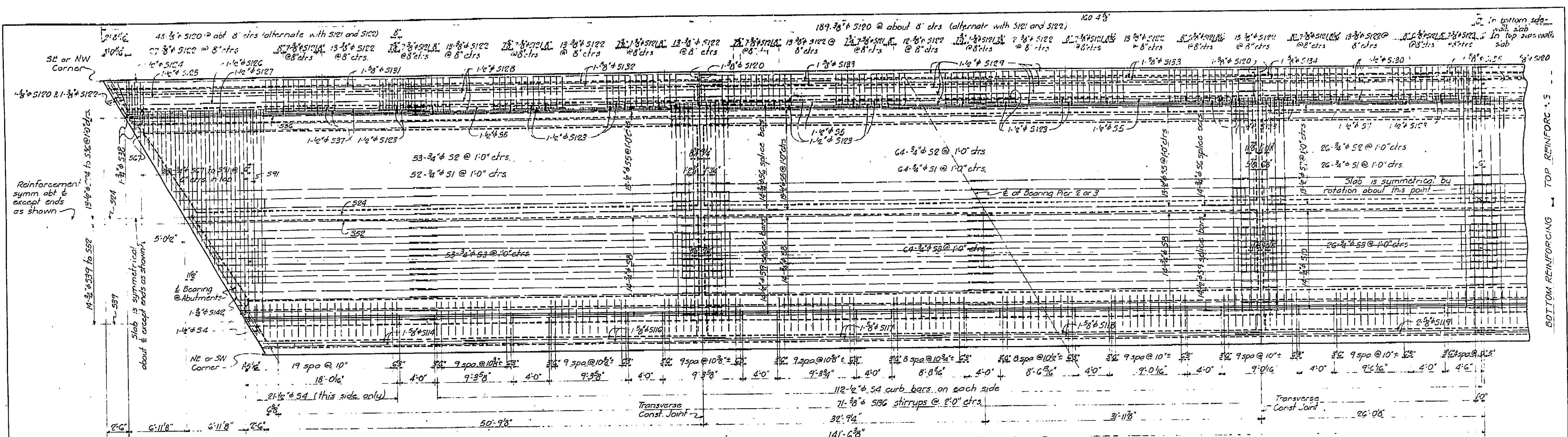
See sheet #8 for Expansion Shoes Details.

All 1/2" diameter shoe pins to be provided with standard recessed pin nuts.

Shoes to be painted the same as structural steel.

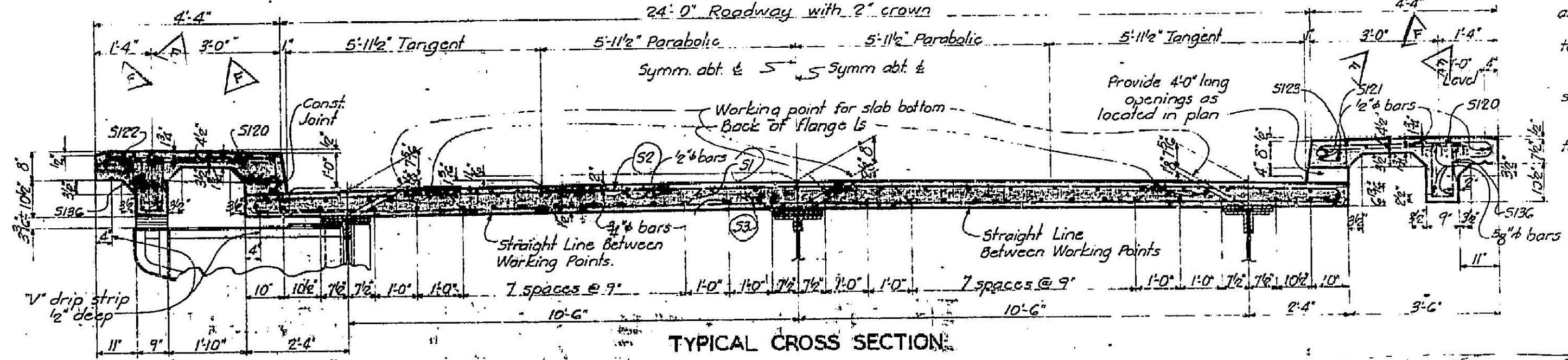
DATE	REVISION	REV.	CHK.	APP.

Note: This drawing is not to scale. Follow dimensions.

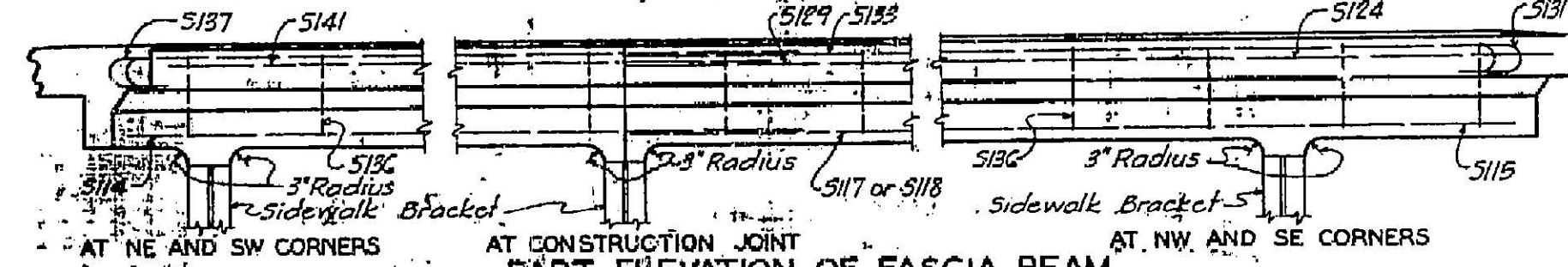


HALF PLAN
Note: All dimensions in plan are truly horizontal dimensions

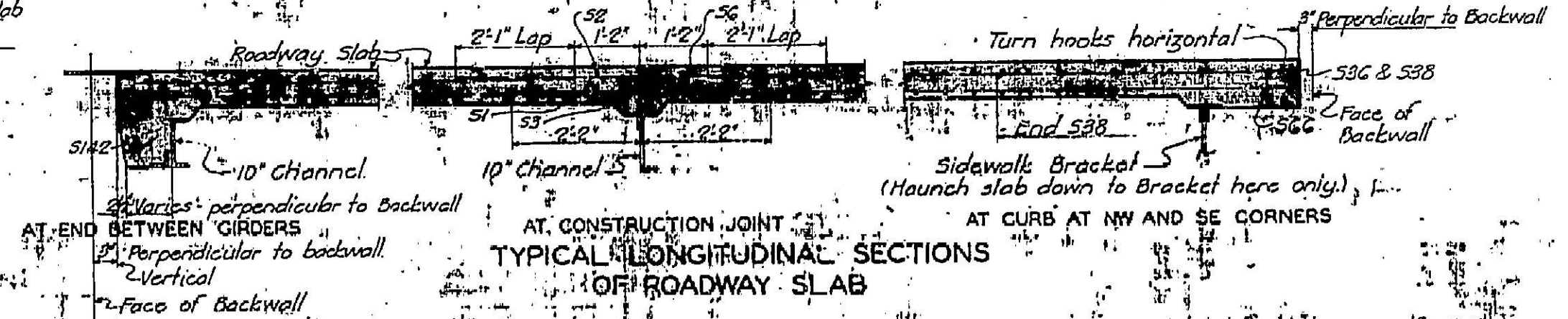
NOTES
Bevels for all haunches to be 12 to 12 except as shown
All dimensions for reinforcing steel are given to 1/8 of bar
See sheet # 2 for General Notes
See sheets 7, 8 and 9 for details of structural steel
See sheet 11 for Details of Handrail
Bars in end of slab may be shifted slightly to avoid interference with expansion device.



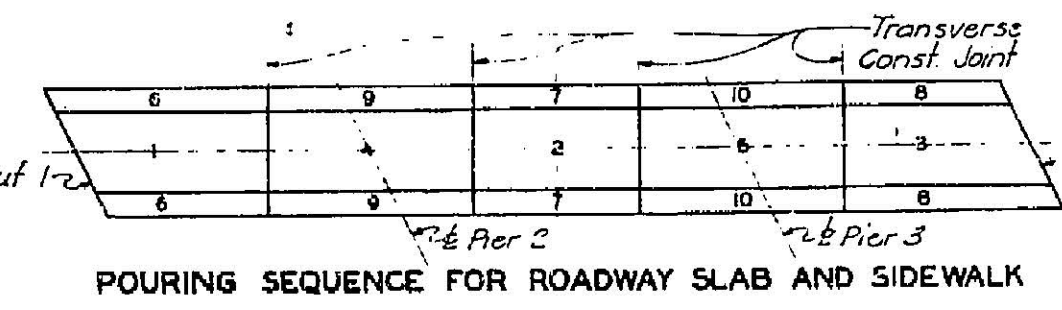
TYPICAL CROSS SECTION



PART ELEVATION OF FASCIA BEAM



TYPICAL LONGITUDINAL SECTIONS OF ROADWAY SLAB

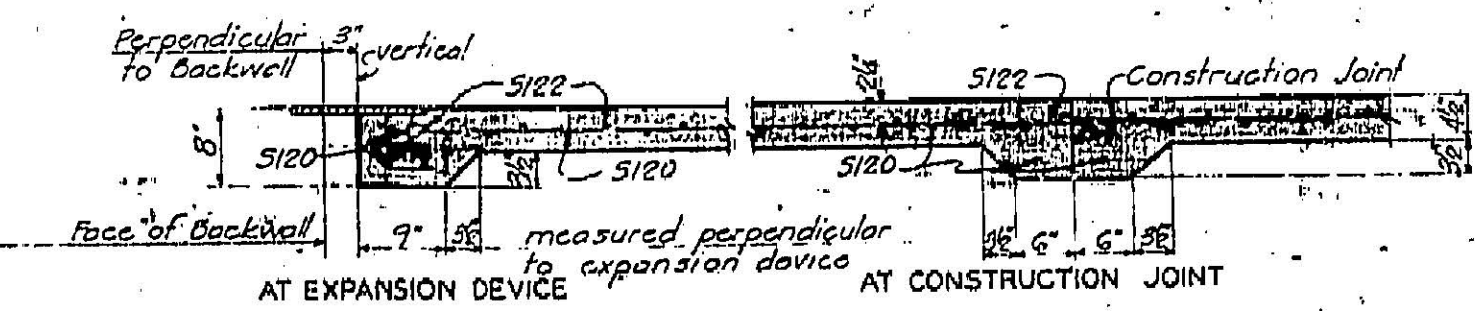


POURING SEQUENCE FOR ROADWAY SLAB AND SIDEWALK

DATE	REVISION	REV.	CHK.	APP.

Note: Reinforcing not marked in this Part Plan is the same as shown above.

PART PLAN

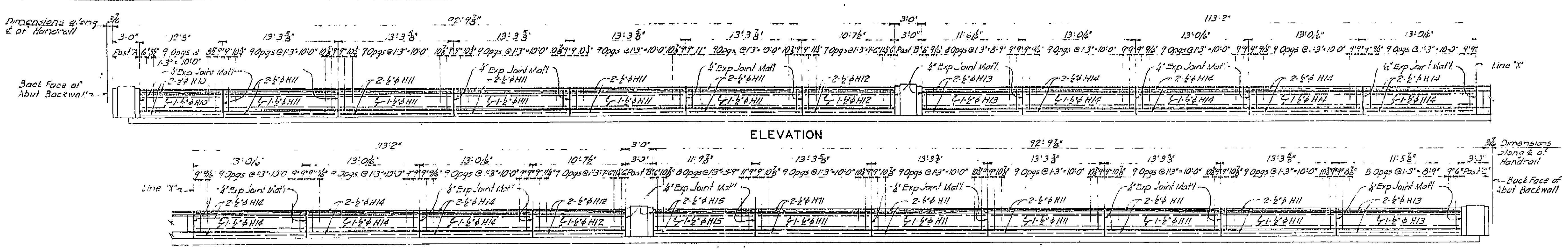


LONGITUDINAL SECTIONS OF SIDEWALK

Note: This drawing is not to scale. Follow dimensions.

BOTTOM REINFORCING

TOP REINFORCING

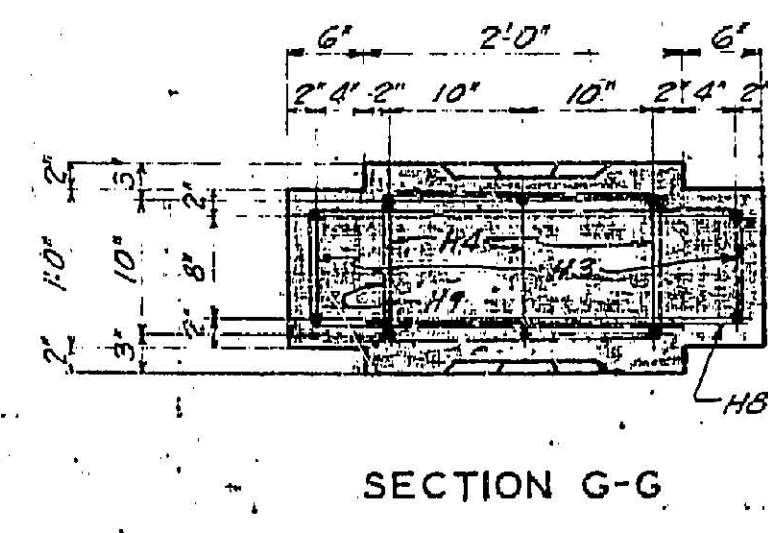
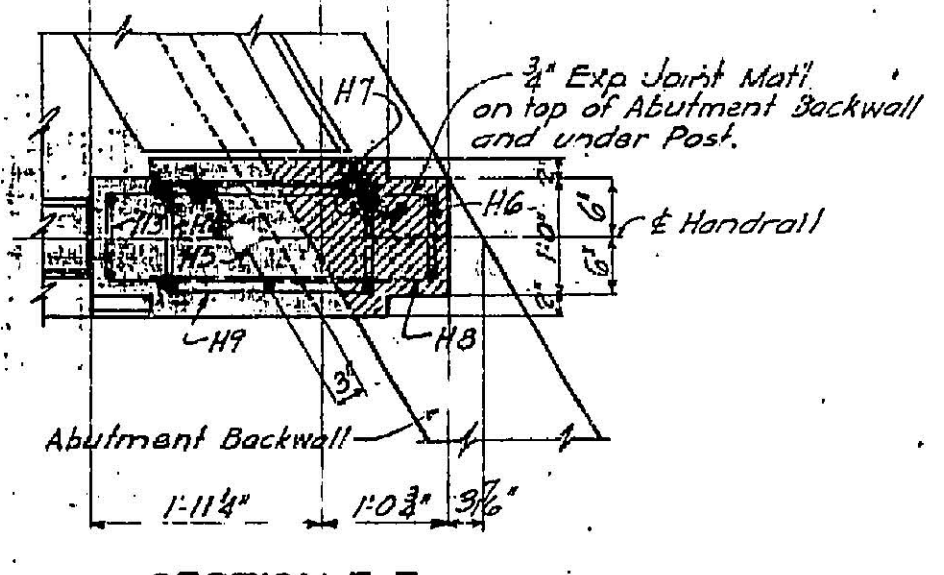
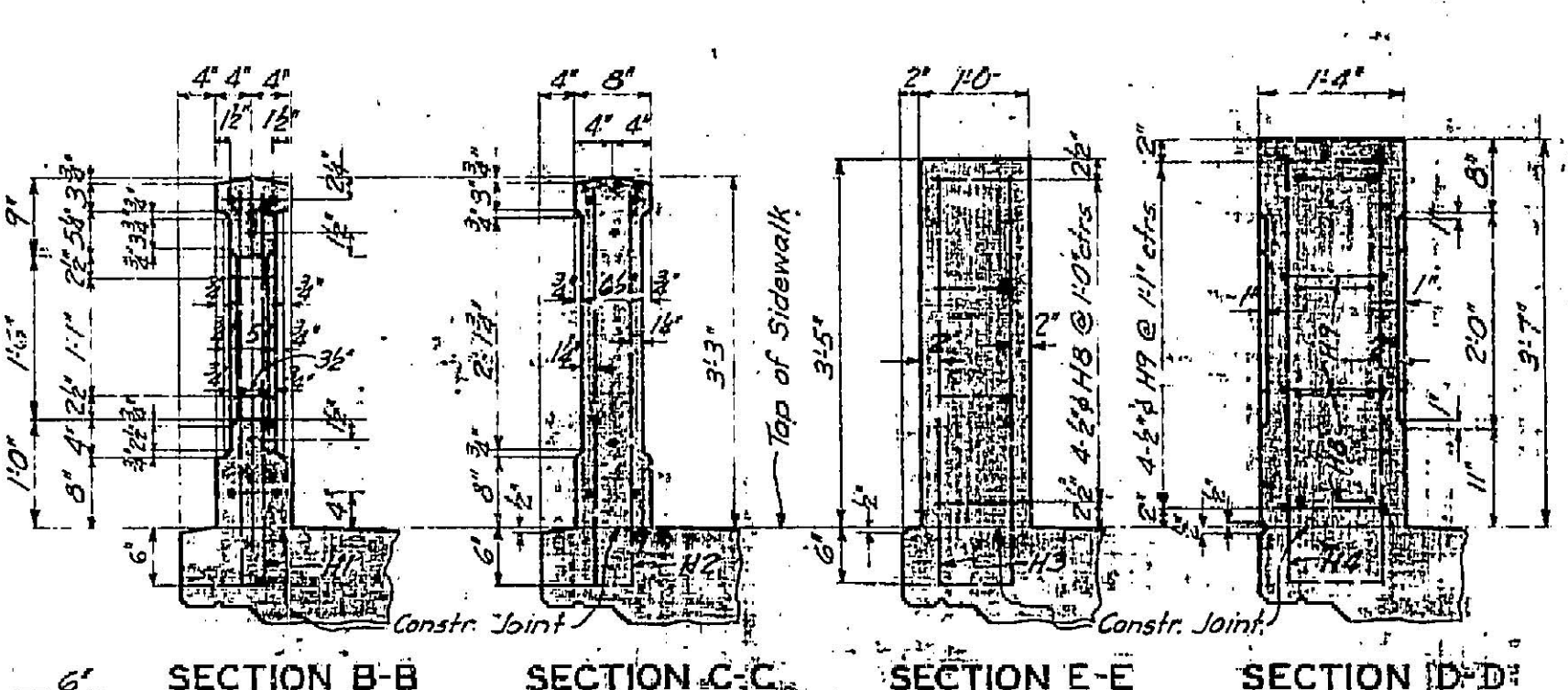
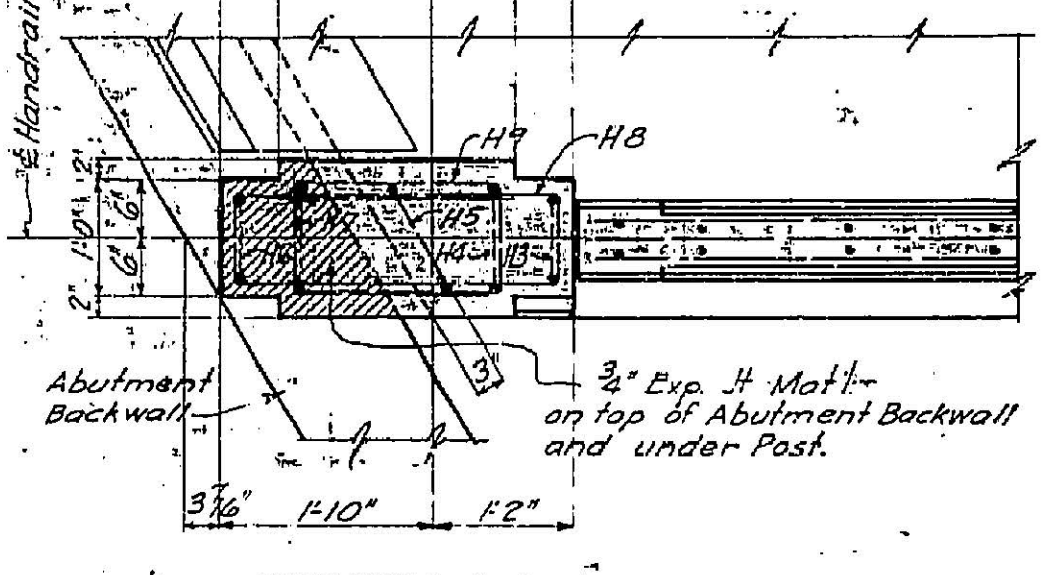
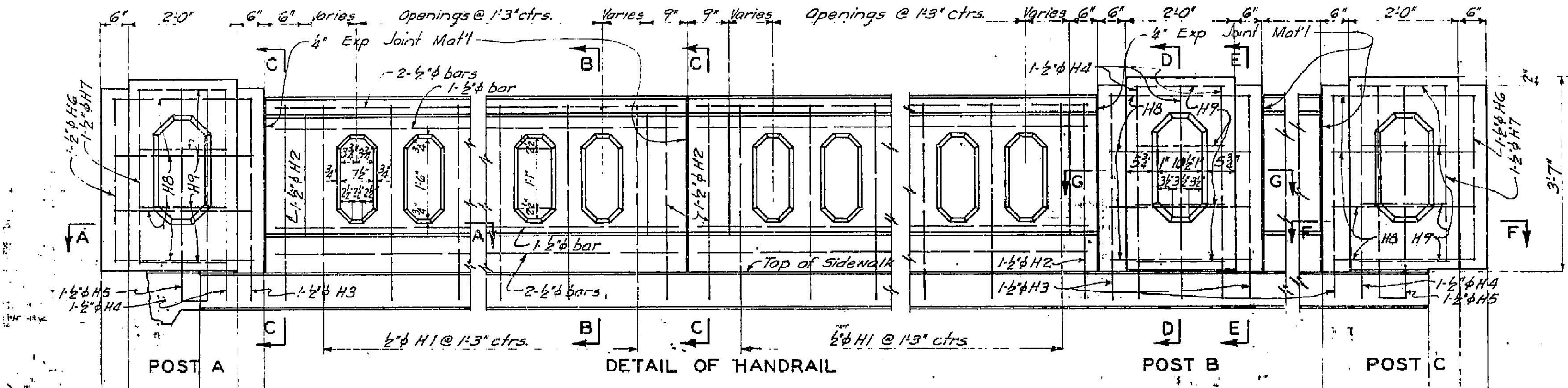


ELEVATION

ELEVATION

(North Elevation of North Handrail and South Elevation of South Handrail)

Note: All dimensions shown on Elevations are horizontal dimensions.

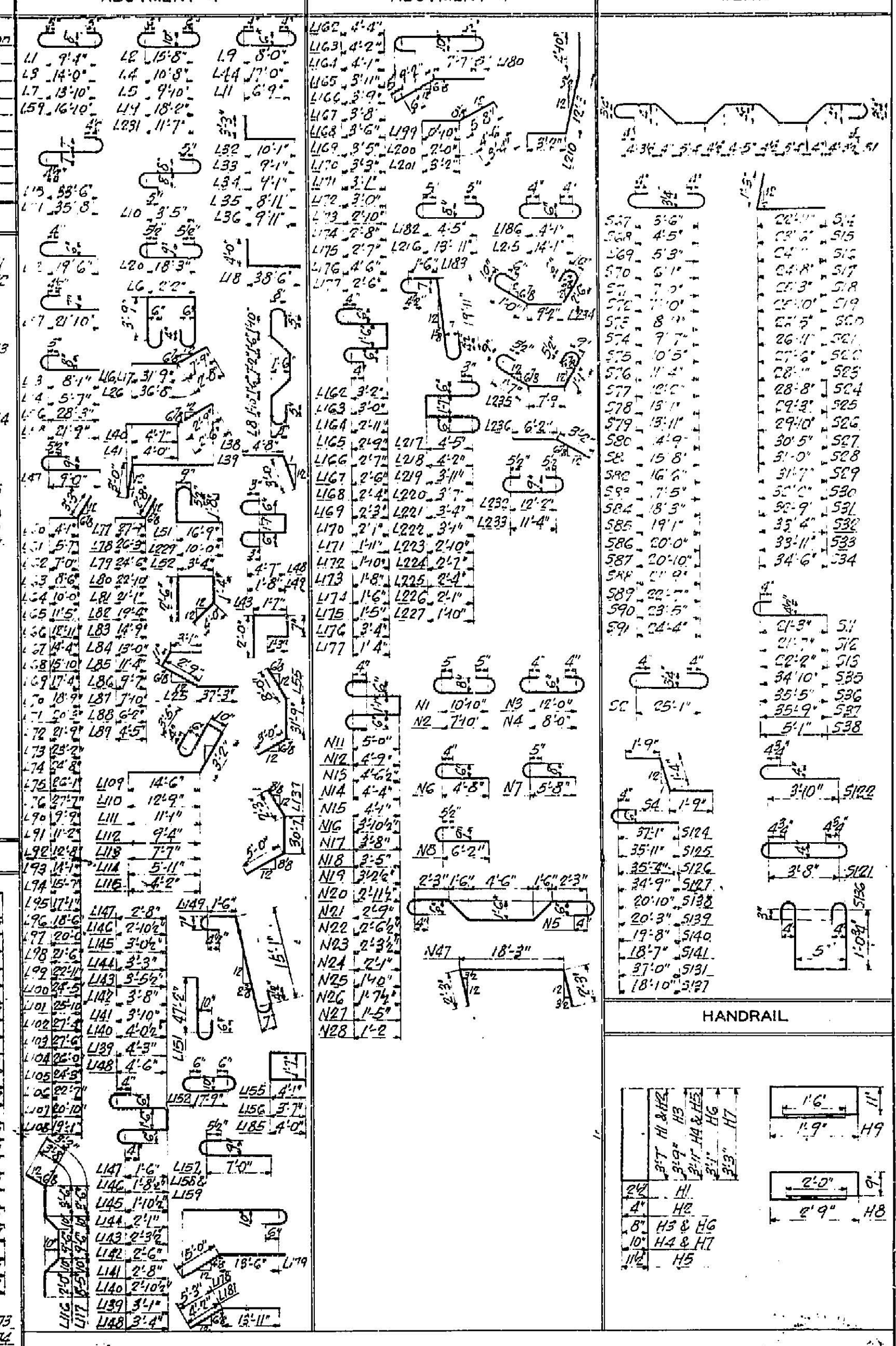


NOTES

Top of sidewalk, railing, and top of posts shall be constructed parallel to grade. Posts, sub-posts, panels and openings in rail to be truly vertical.
 All dimensions for reinforcing steel are given to the center of bar.
 See Sheet No 2 for General Notes.
 Exposed edges of Railing shall not be beveled except as shown. Bevel exposed edges of Posts 1/2"

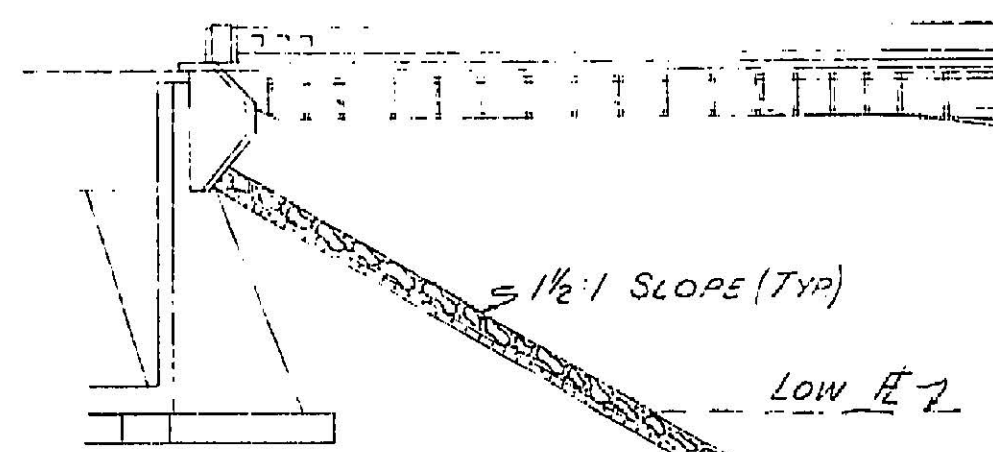
Note: This drawing is not to scale. Follow dimensions.

Table with columns for structural components: PIERS 2 & 3, ABUTMENT 1, ABUTMENT 4, ABUTMENT 4, ABUTMENT 4, SLAB, HANDRAIL, ABUTMENT 4, ABUTMENT 4, SLAB. Rows contain detailed specifications for various parts including No, Reqd, Size, Length, Shape, Location, and dimensions.

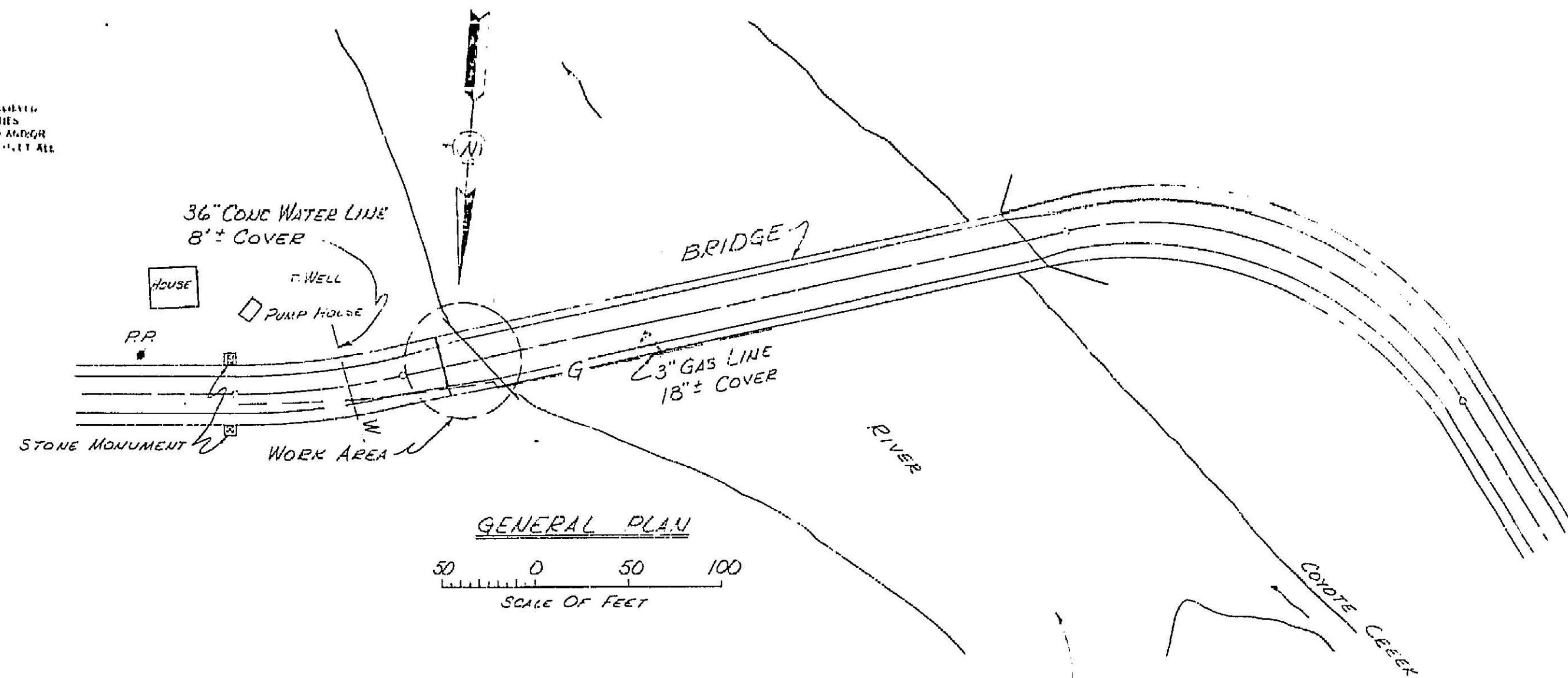


NOTES
All dimensions are given to 4 of bar and lengths are calculated along & of bar.

UTILITY FACILITIES ARE SHOWN AS OBSERVED TO EXIST AT TIME OF SURVEY. FACILITIES MAY HAVE CHANGED SINCE SURVEY. ALL UTILITIES SHOWN ARE TO BE MAINTAINED UNLESS OTHERWISE NOTED.



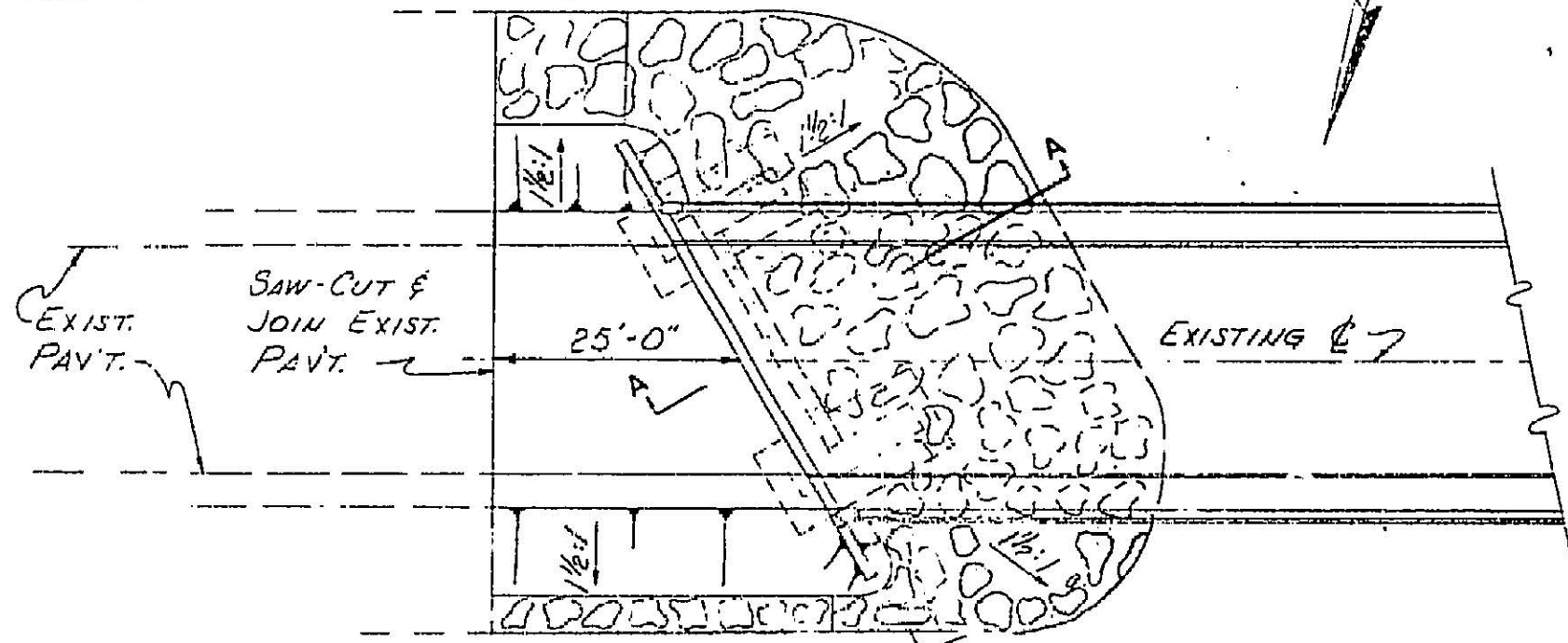
EAST ABUTMENT ELEVATION
NOT TO SCALE



GENERAL PLAN

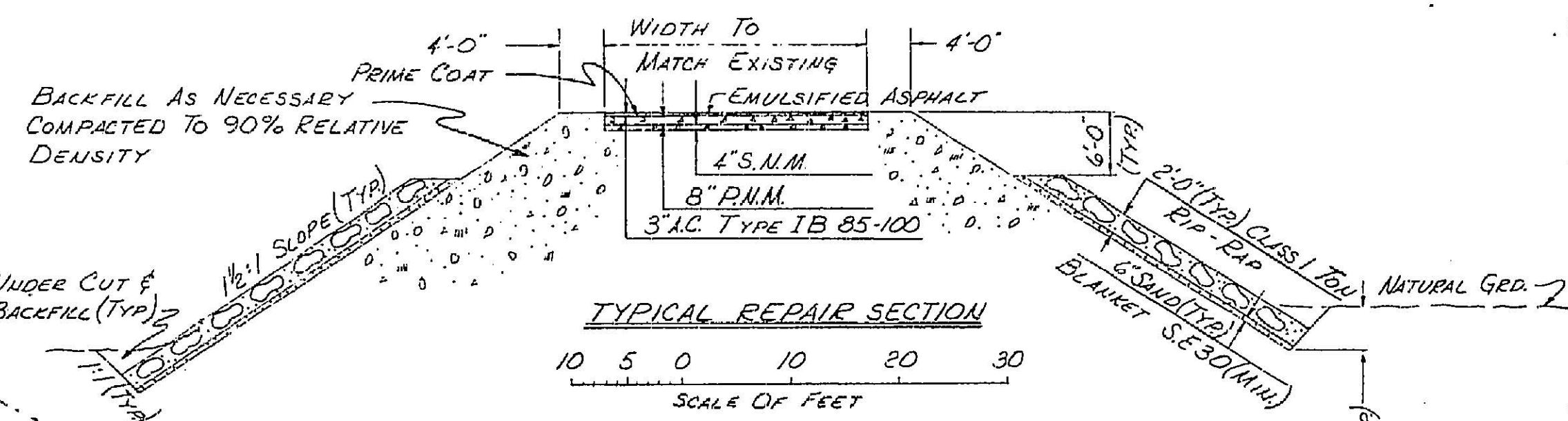
SCALE OF FEET
0 50 100

BACKFILL & REGRADE TO JOIN EXISTING BANK.



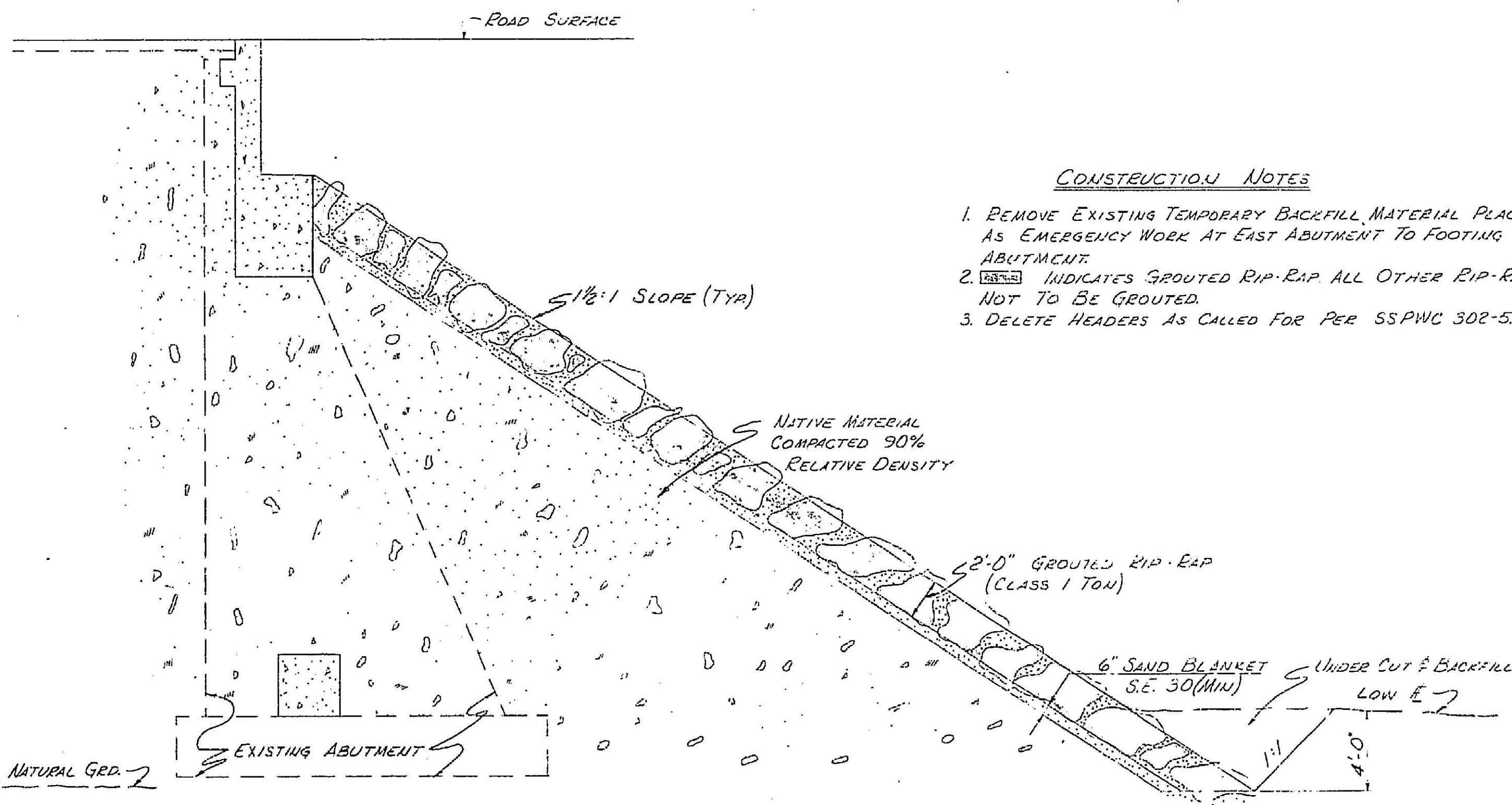
EAST ABUTMENT PLAN
NOT TO SCALE

BACKFILL & REGRADE TO JOIN EXISTING BANK.



TYPICAL REPAIR SECTION

SCALE OF FEET
10 5 0 10 20 30



SECTION A-A

SCALE OF FEET
4 0 4 8

CONSTRUCTION NOTES

1. REMOVE EXISTING TEMPORARY BACKFILL MATERIAL PLACED AS EMERGENCY WORK AT EAST ABUTMENT TO FOOTING OF ABUTMENT.
2. [Symbol] INDICATES GROUTED RIP-RAP. ALL OTHER RIP-RAP NOT TO BE GROUTED.
3. DELETE HEADERS AS CALLED FOR PER SSPWC 302-5.4.