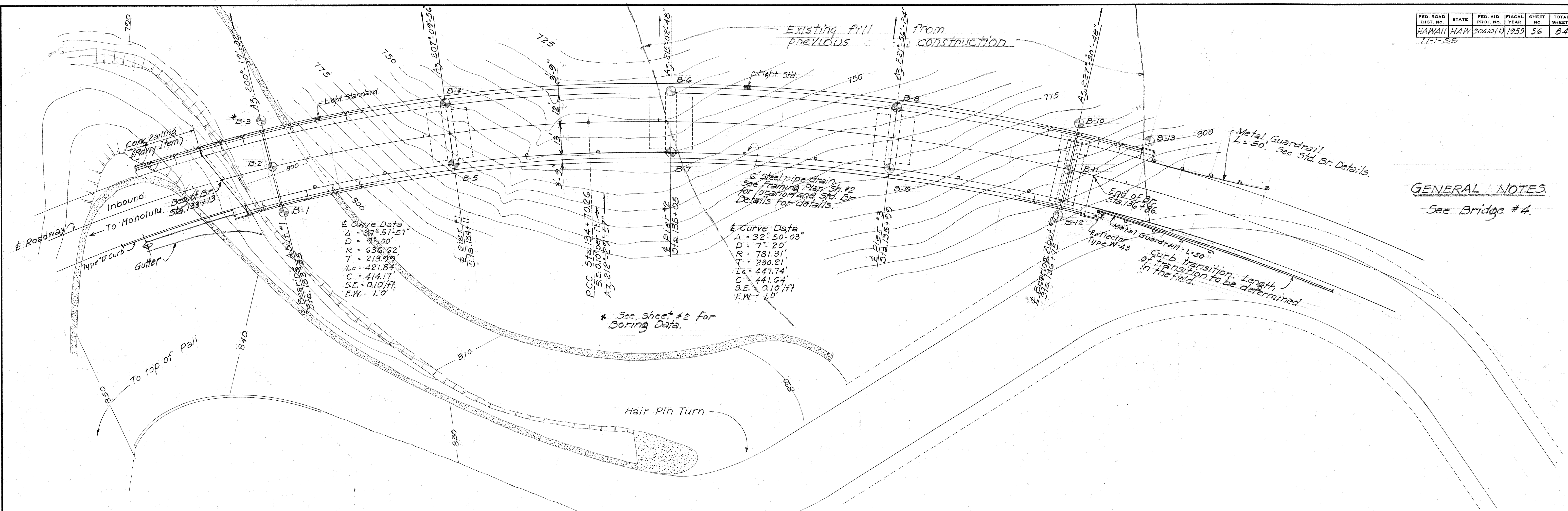
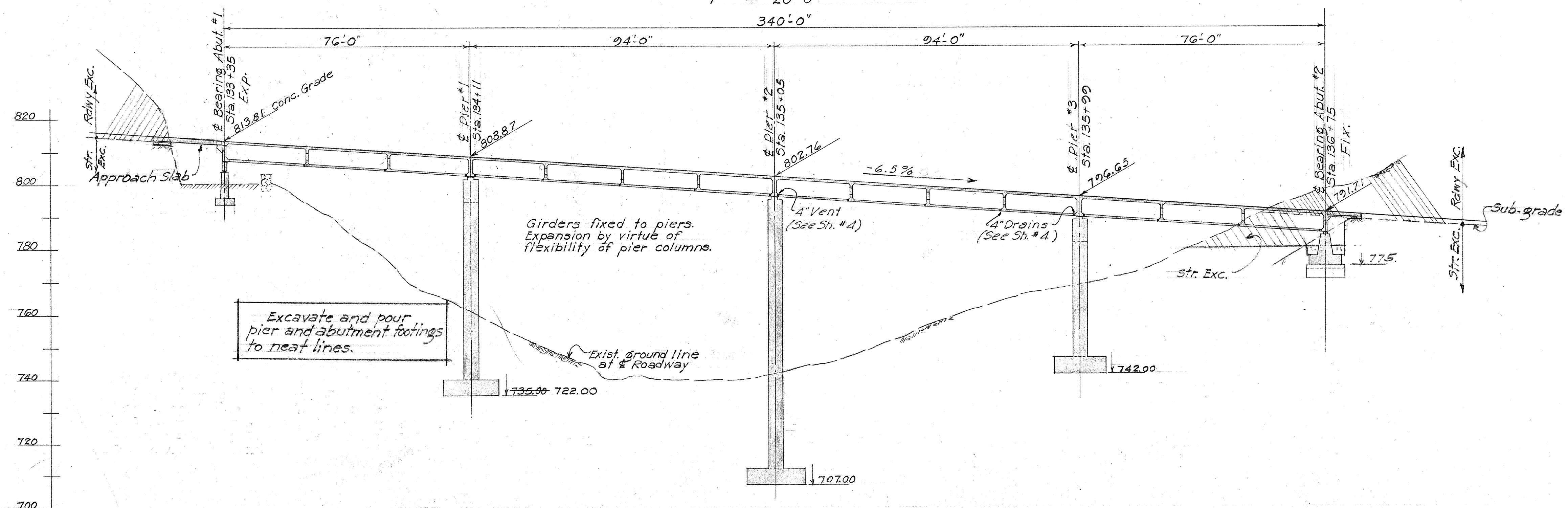




**GENERAL NOTES**  
See Bridge #4.

## LAYOUT PLAN



## LONGITUDINAL SECTION ALONG E ROADWAY

| ESTIMATED QUANTITIES    |            |
|-------------------------|------------|
| CONC. including railing | LUMP SUM   |
| Rein. Steel             | LUMP SUM   |
| Structural Exc.         | 1,724 C.Y. |
| A.C. Mix #5             | 61.2 Tons  |
| TACK COAT               | 264 Gals.  |

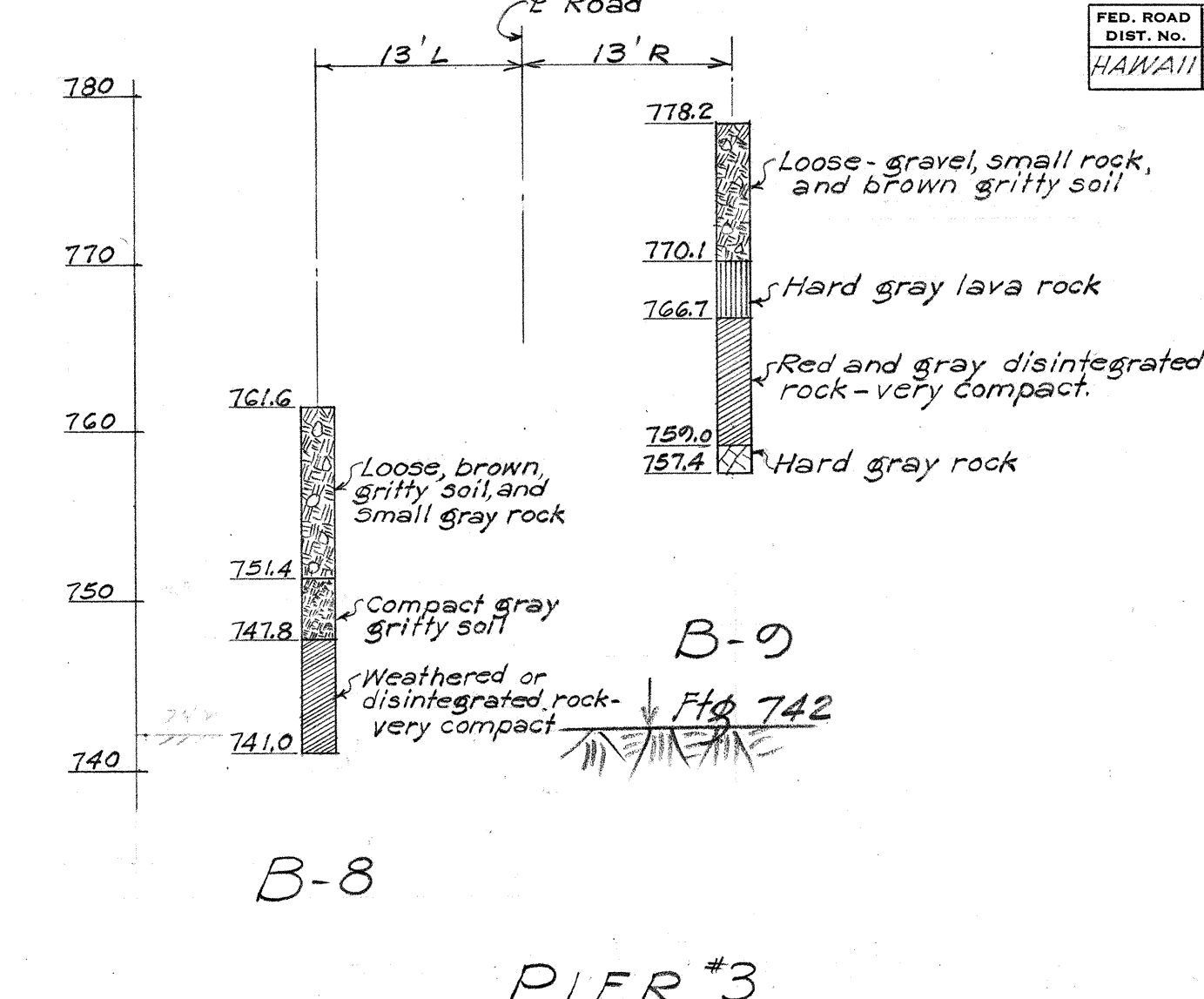
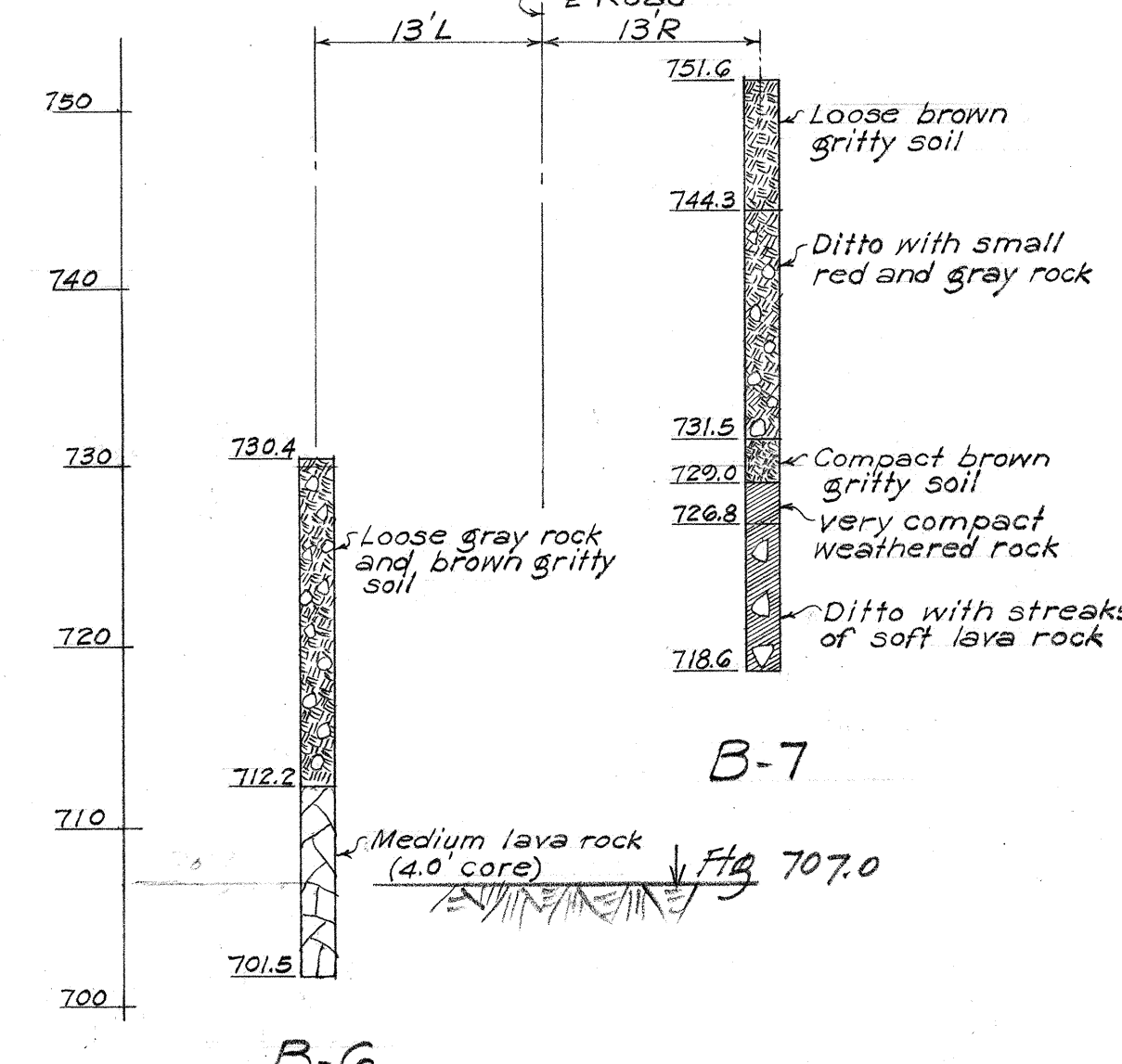
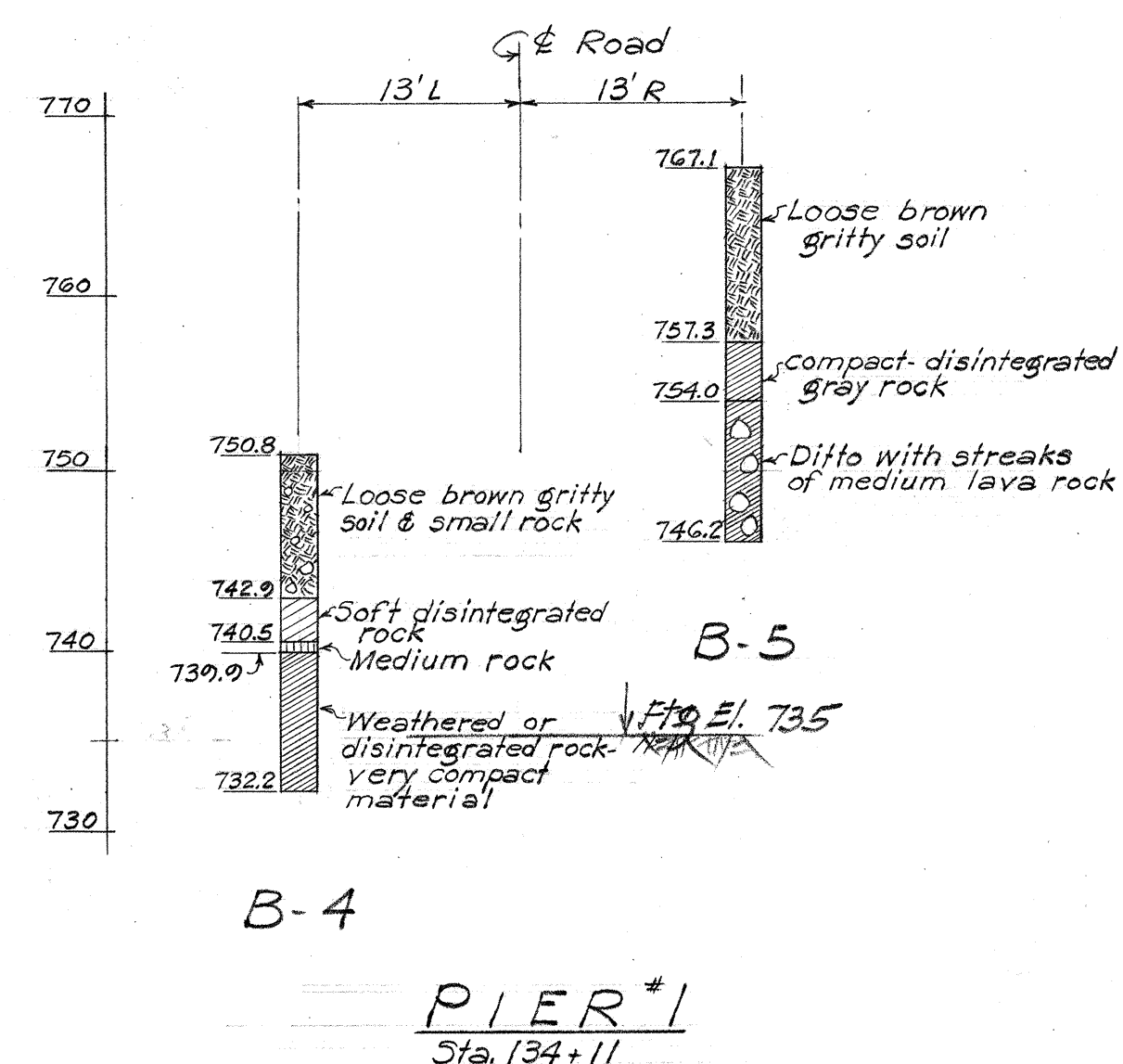
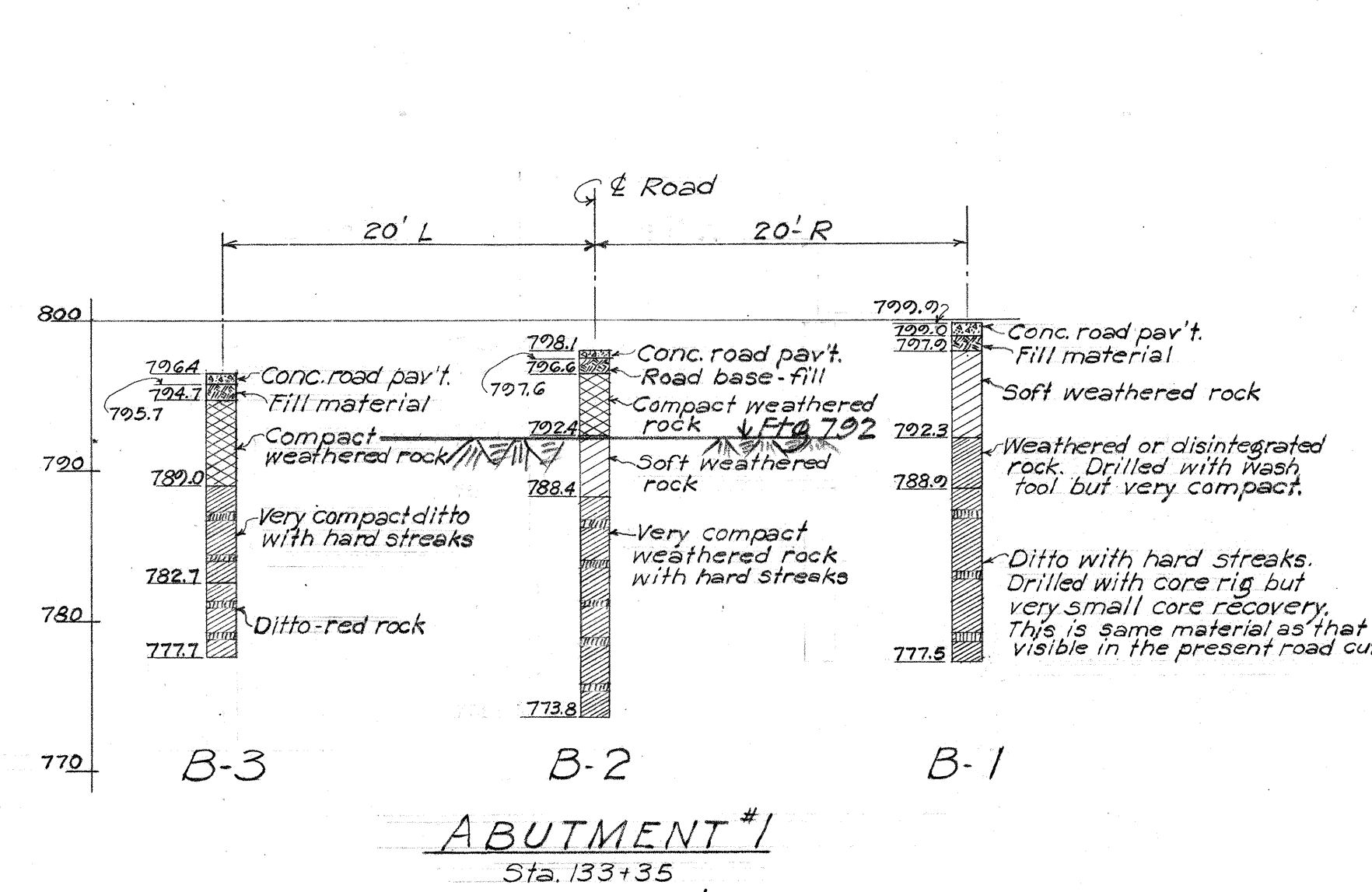
**TERRITORIAL HIGHWAY DEPARTMENT**  
TERRITORY OF HAWAII  
**BRIDGE No. 8**  
Sta. 133+13 to Sta. 136+86  
PALI ROAD PROJ. 5-0610(1)  
Feb. 1955

SHEET No. 1 OF 11 SHEETS

5752-56

SURVEY PLOTTED BY DATE 2-1-56  
DESIGNED BY H. R. BARTIS  
TRACED BY  
CHECKED BY  
NOTE BOOK NO.

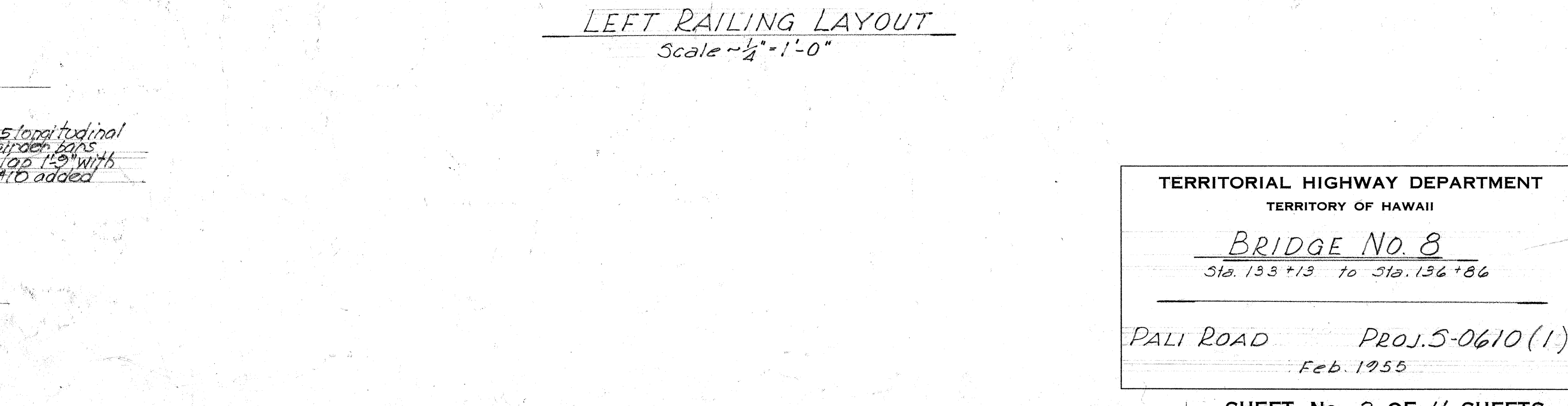
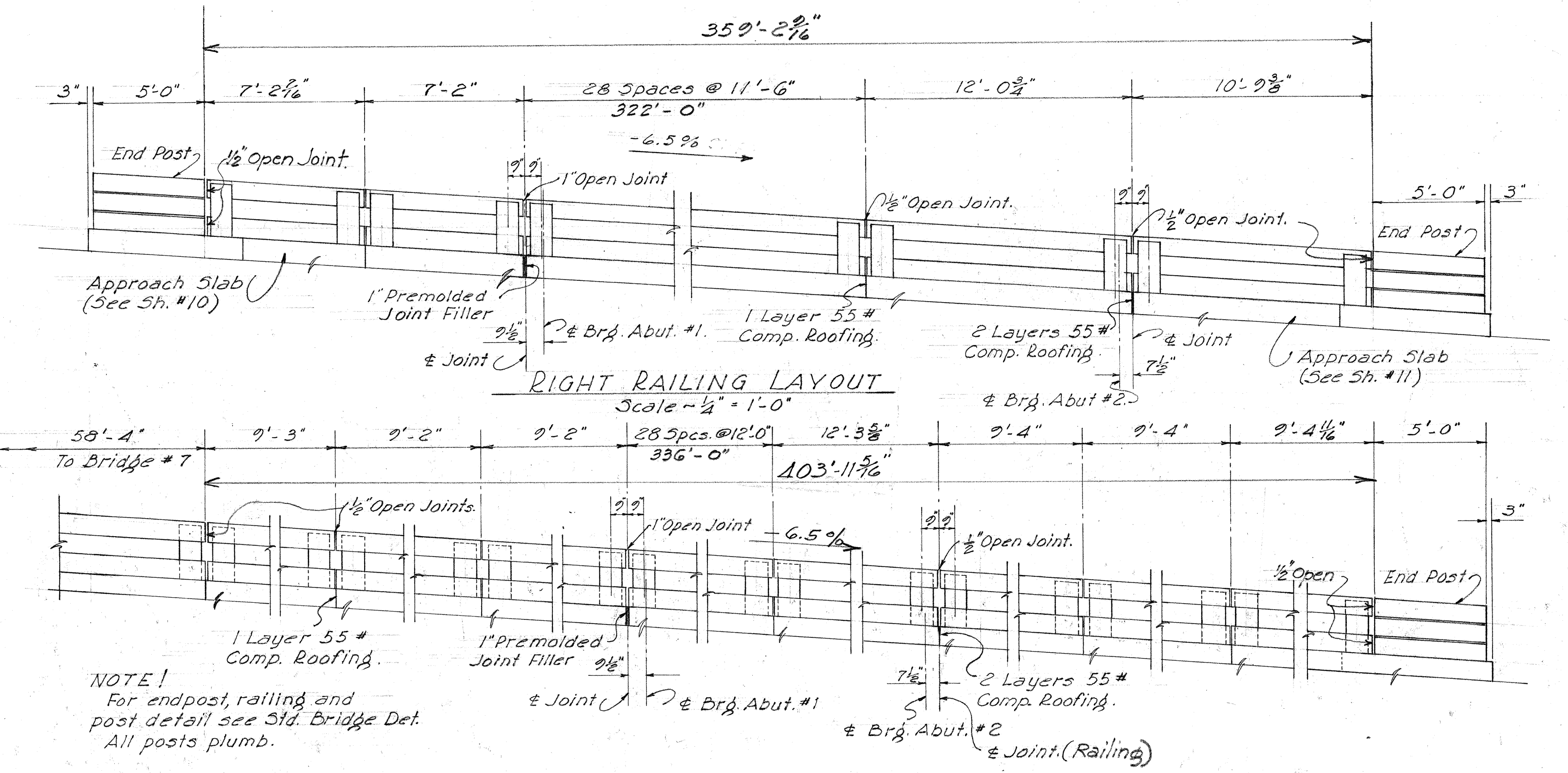
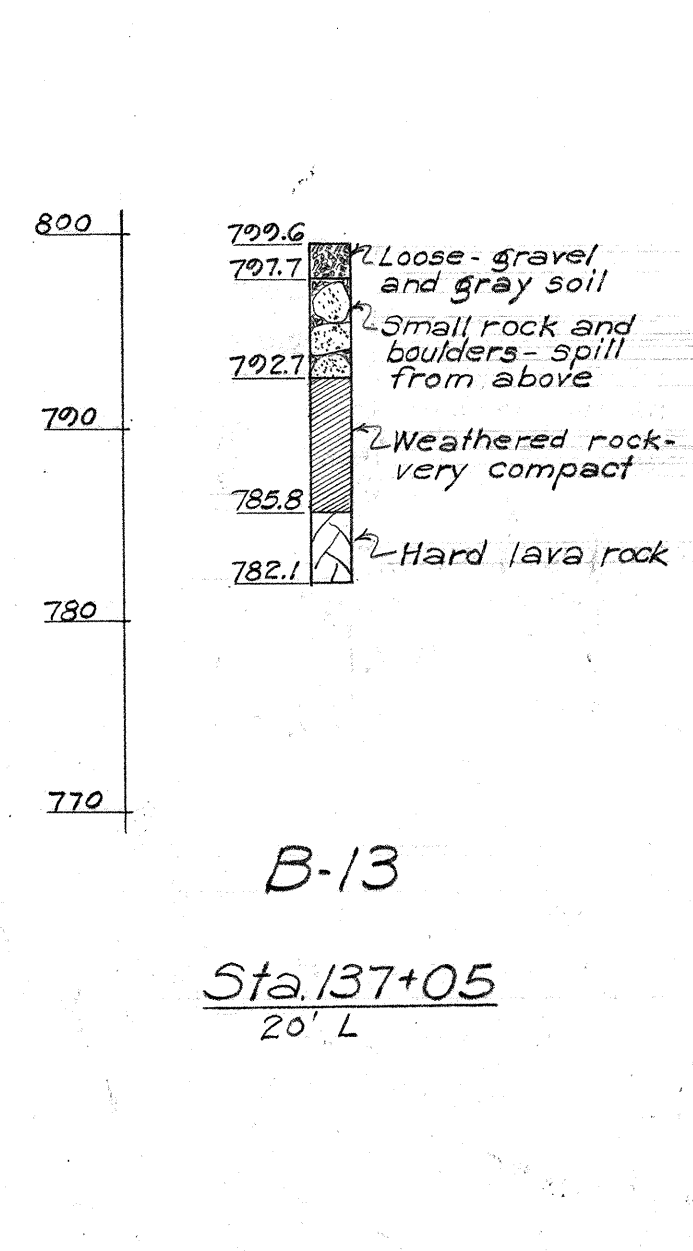
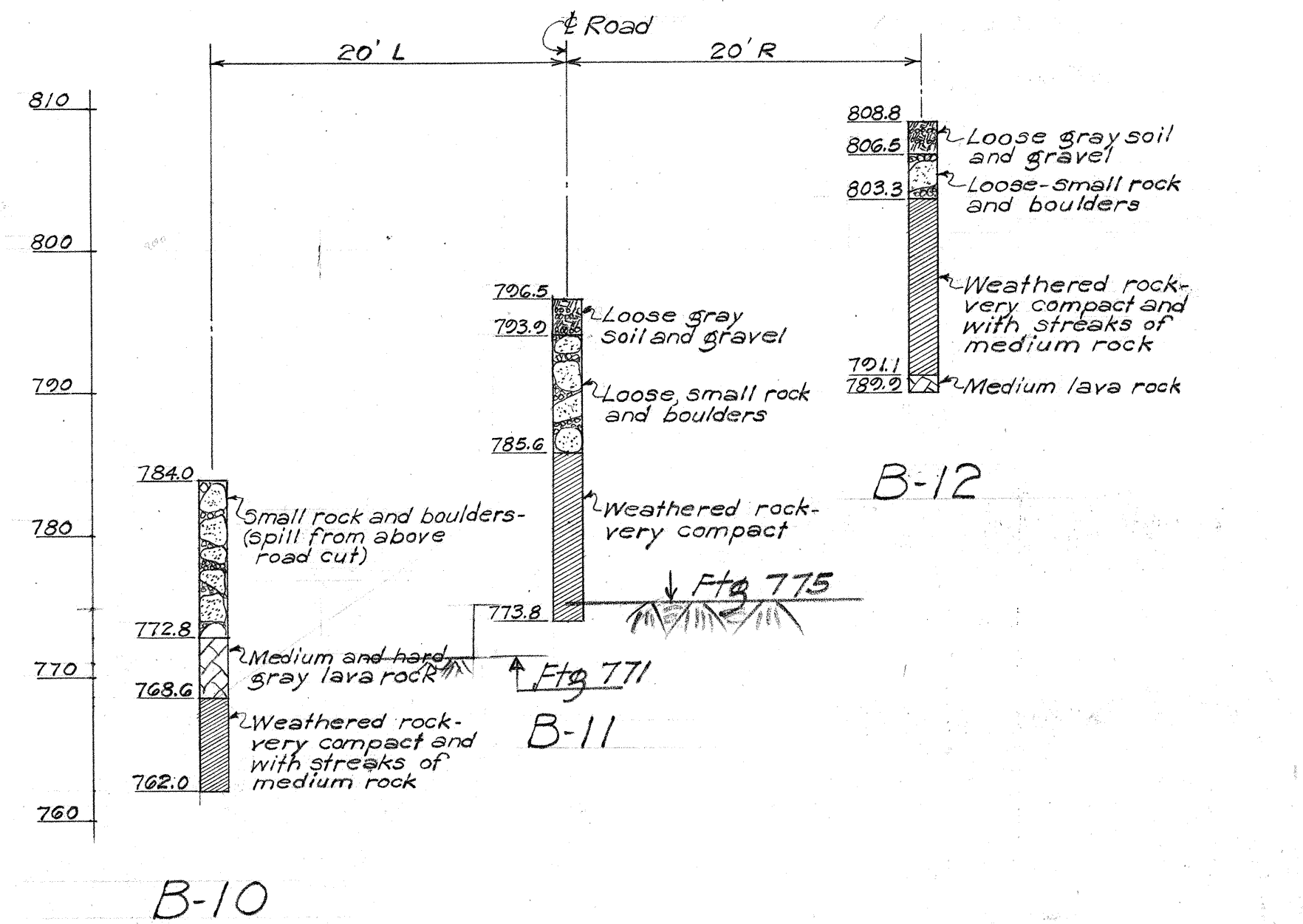




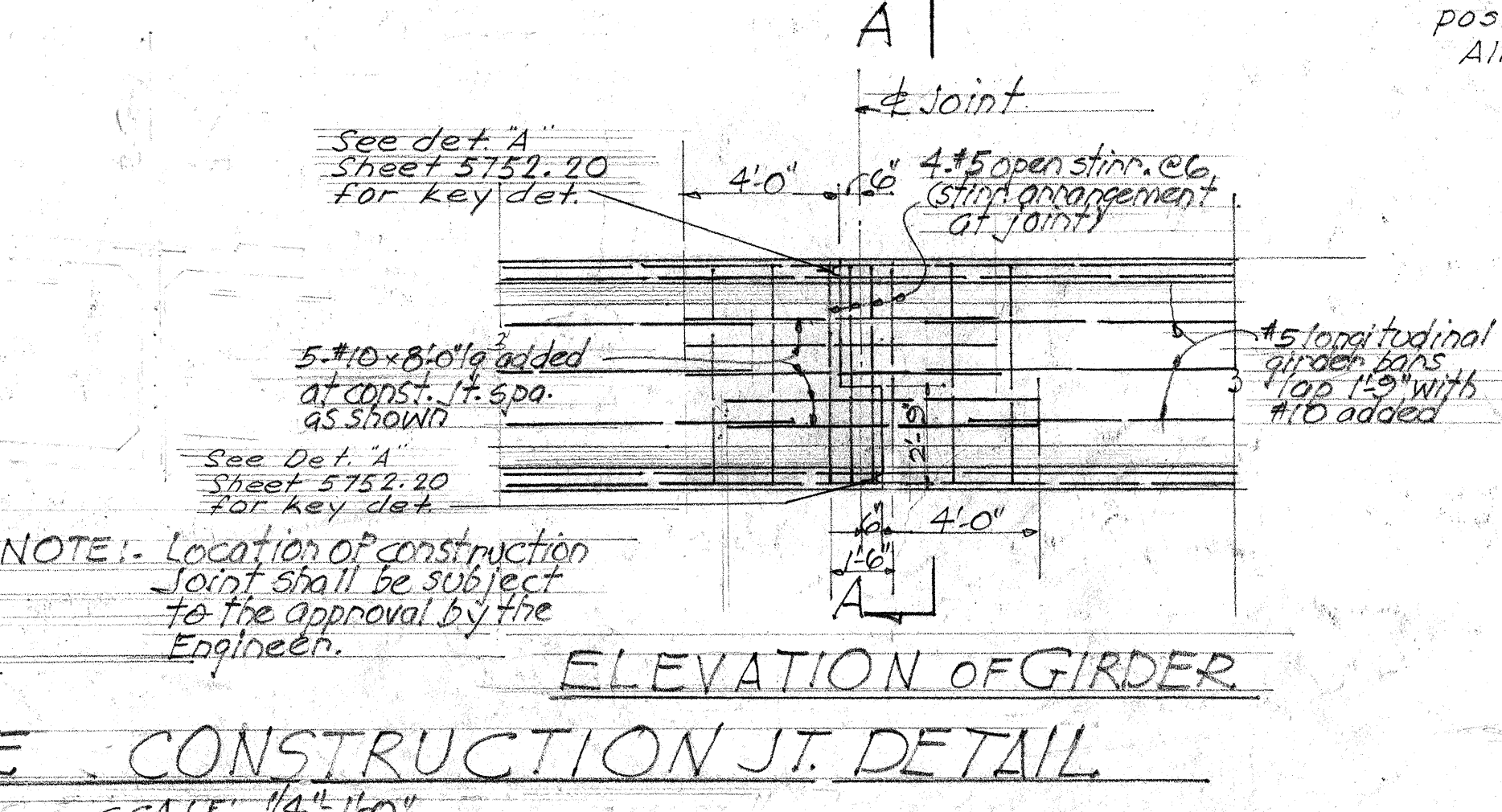
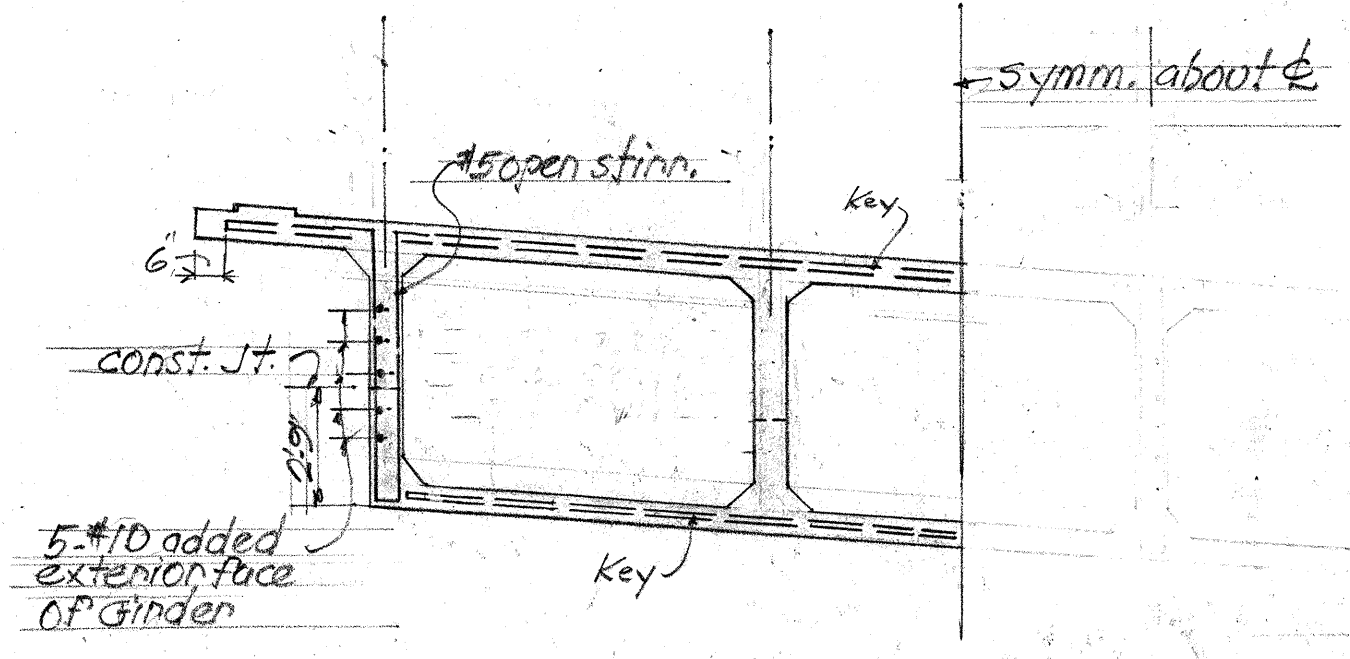
For locations of borings see sheet #1

**B O R I N G D A T A**

Vertical Scale: 1" = 10 ft.



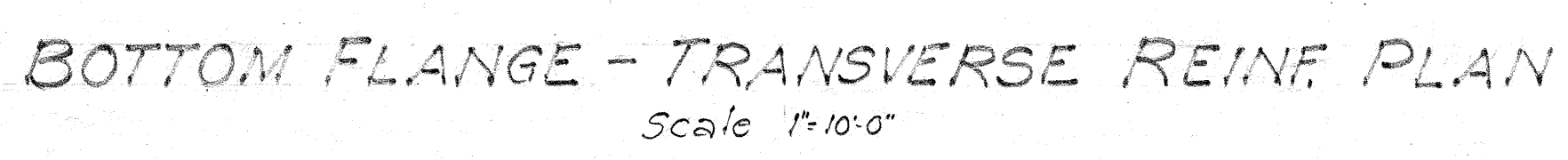
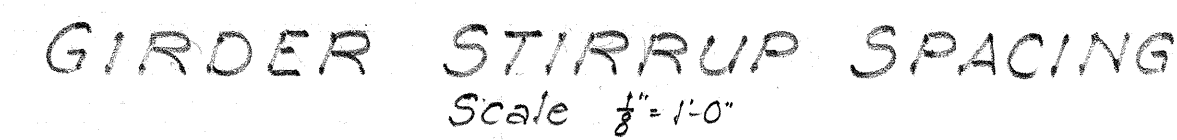
NOTE 1  
For endpost, railing and post detail see Std. Bridge Det. All posts plumb.



NOTE: Location of construction joint shall be subject to the approval by the Engineer.



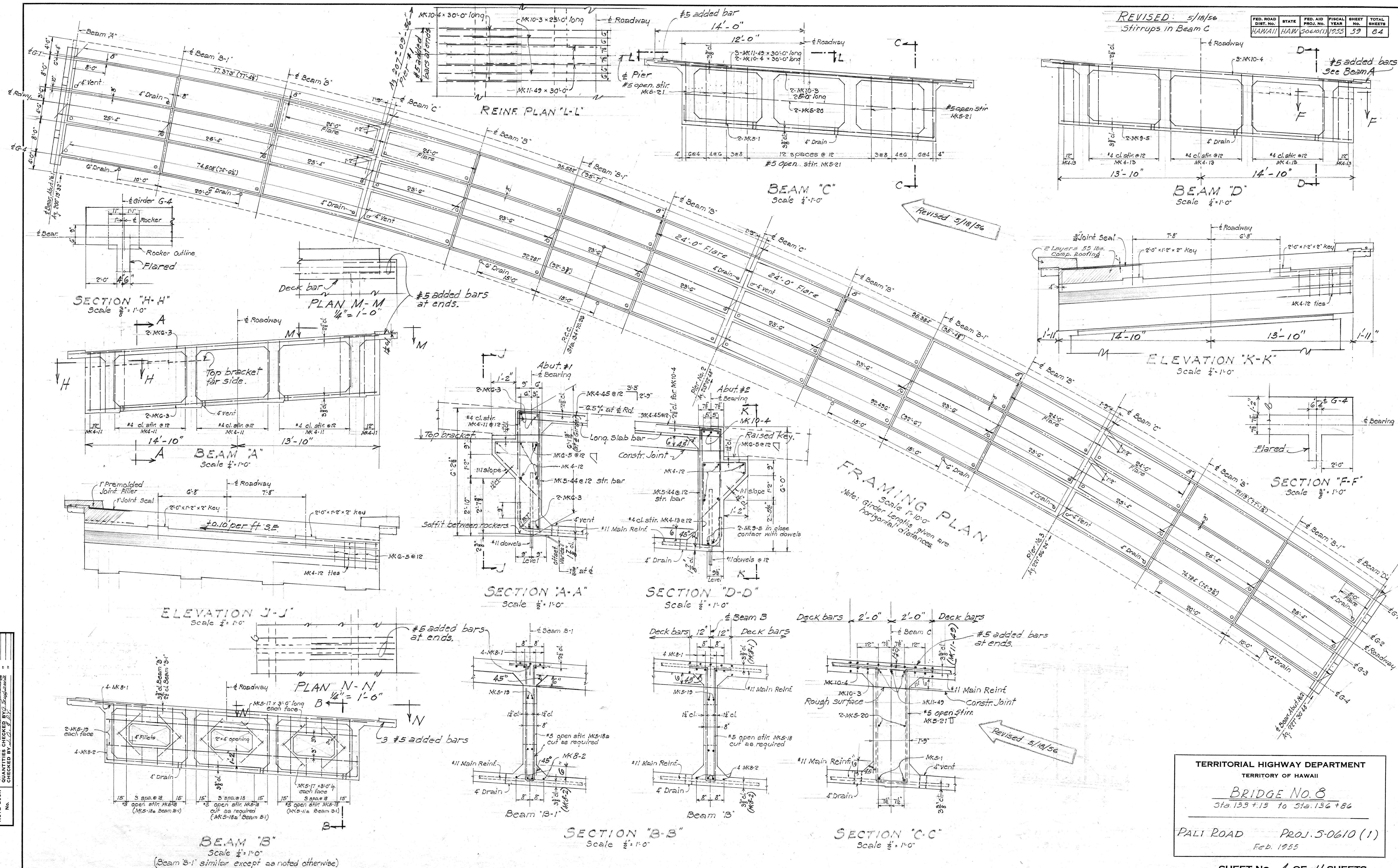
REV. 5-24-56 Changed size and spacing  
of bottom layer longitudinal  
reinf. in top flange



Bridge No. 8 SZ16CC (58)



|                  |                                                                                                                   |      |
|------------------|-------------------------------------------------------------------------------------------------------------------|------|
| ORIGINAL<br>PLAN | SURVEY PLOTTED BY<br>DESIGNED BY<br>DRAWN BY<br>TRACED BY<br>QUANTITIES BY<br>QUANTITIES CHECKED BY<br>CHECKED BY | DATE |
|                  | M. R. Garteis<br>H. M. Garteis<br>F. Garteis<br>F. Garteis<br>F. Garteis<br>F. Garteis                            |      |



TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII

BRIDGE No. 8  
Sta. 133 + 13 to Sta. 136 + 86

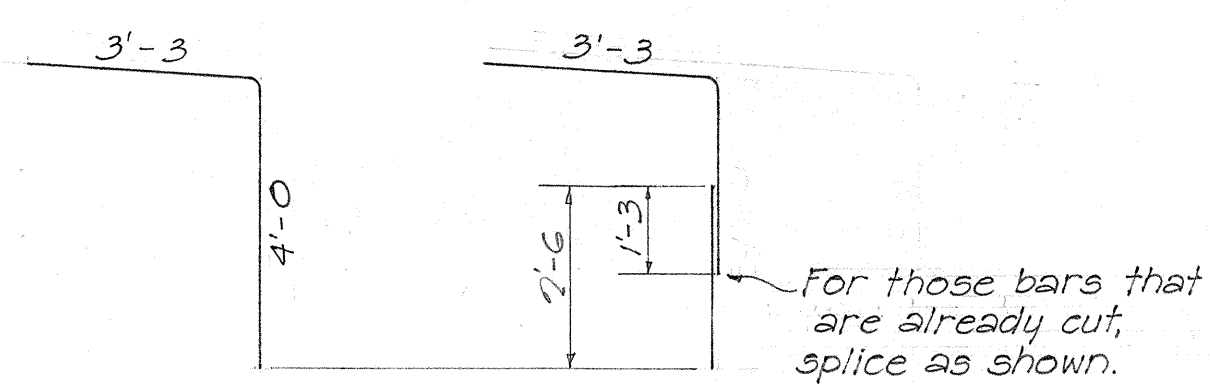
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PALI ROAD PROJ. 5-0610 (1)  
Feb. 1955

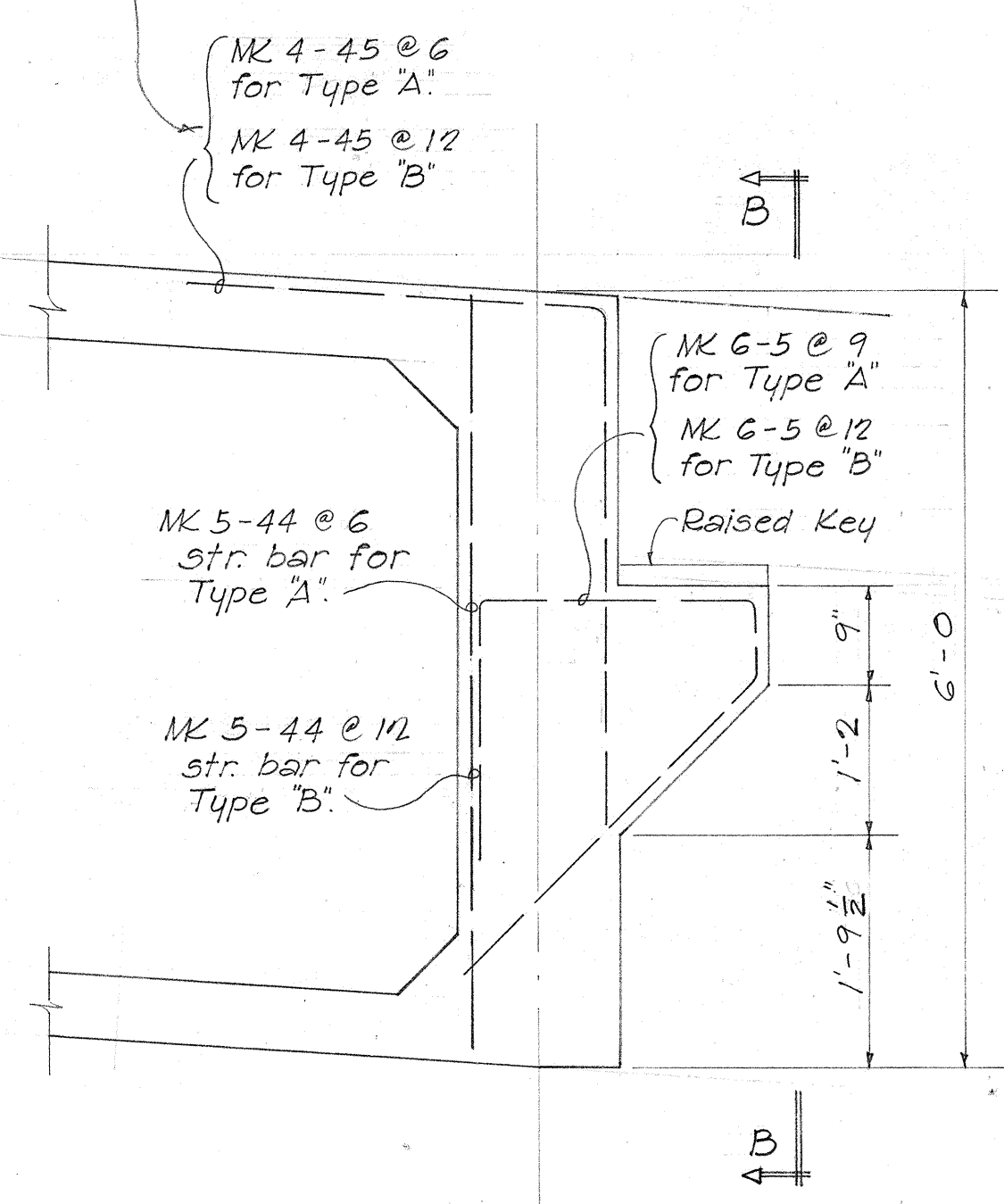
SHEET No. 4 OF 11 SHEETS

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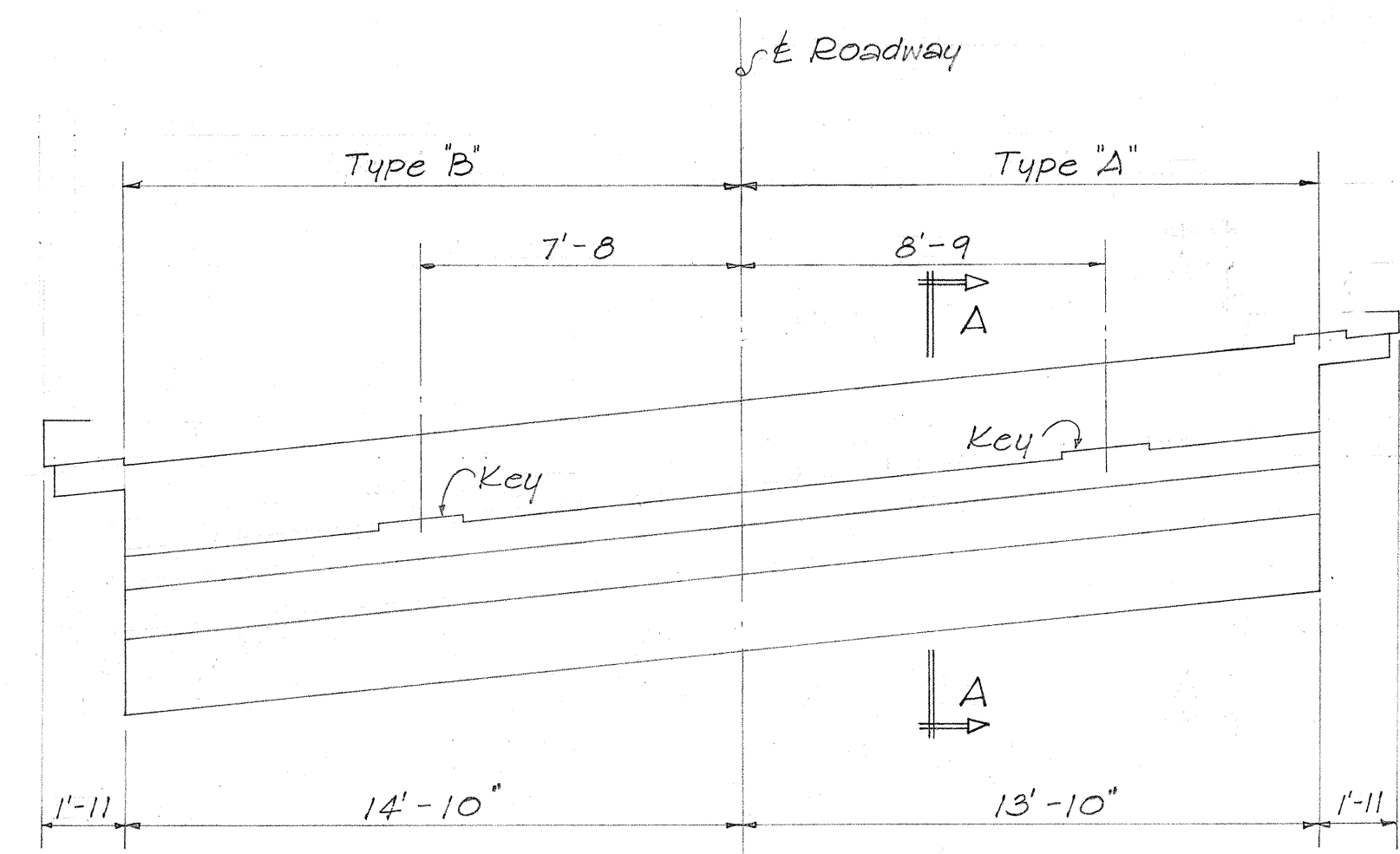


REVISED MK 4-45



SECTION A-A  
3/4" = 1'-0"

Note:  
Refer to Contract Drawings  
for reinforcing and  
details not shown.

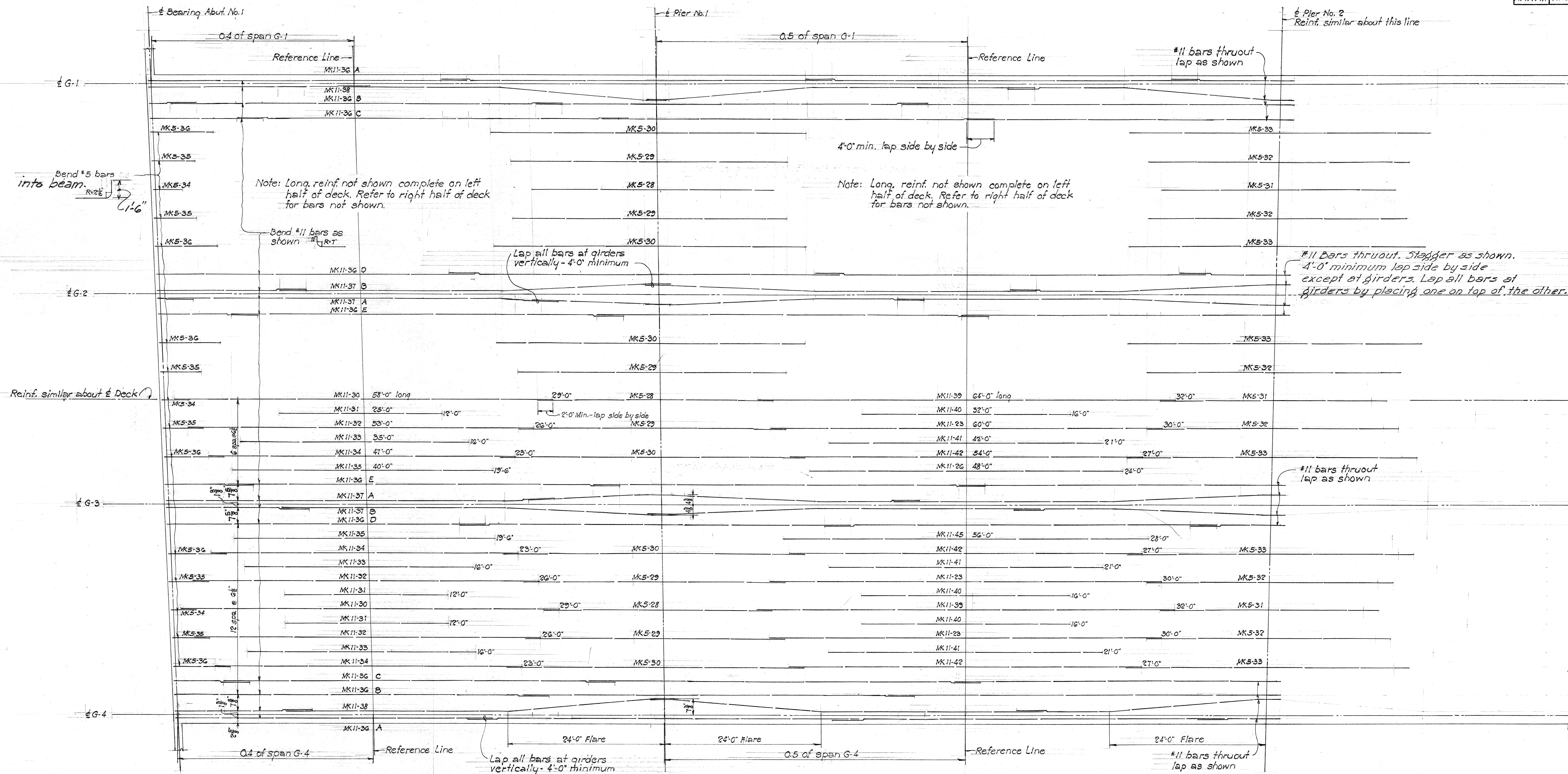


SECTION B-B  
1/4" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
BRIDGE No. 8  
REVISION @ ABUT. No. 2  
PALI ROAD 5-0610(1)  
1-29-57

5752-59A





Note: Dimension at end of #11 bar indicates distance from reference line.

When no splices are shown for bars longer than 60'-0", contractor may use one splice at an arbitrary location. These splices shall not be bunched together and shall be staggered. Contractor shall furnish a splice layout plan to the Engineer.

## MAIN BOTTOM FLANGE REINF. PLAN

Schematic Layout  
Scale --- Length  $\frac{1}{8}" = 1'-0"$   
Width  $\frac{1}{2}" = 1'-0"$

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII

BRIDGE No. 8  
Sta. 133+13 to Sta. 136+86

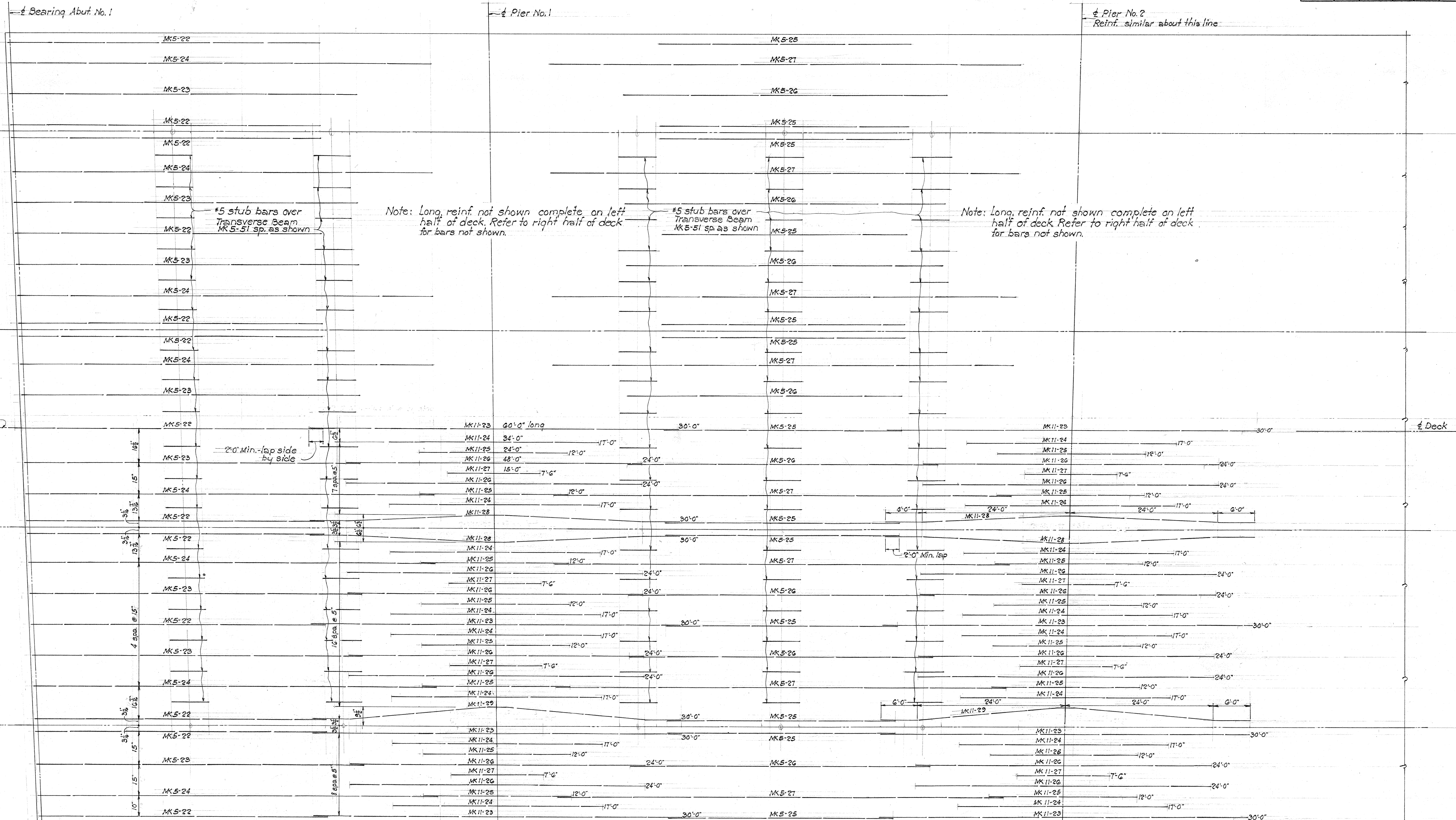
PALI ROAD PROJ. 5-0610(1)  
Feb. 1955

SHEET NO. 5 OF 11 SHEETS

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BR. #8 5216(6)





**MAIN TOP FLANGE REINF. PLAN**  
 Schematic Layout  
 Length 8'-10"  
 Scale—Width 8'-10"

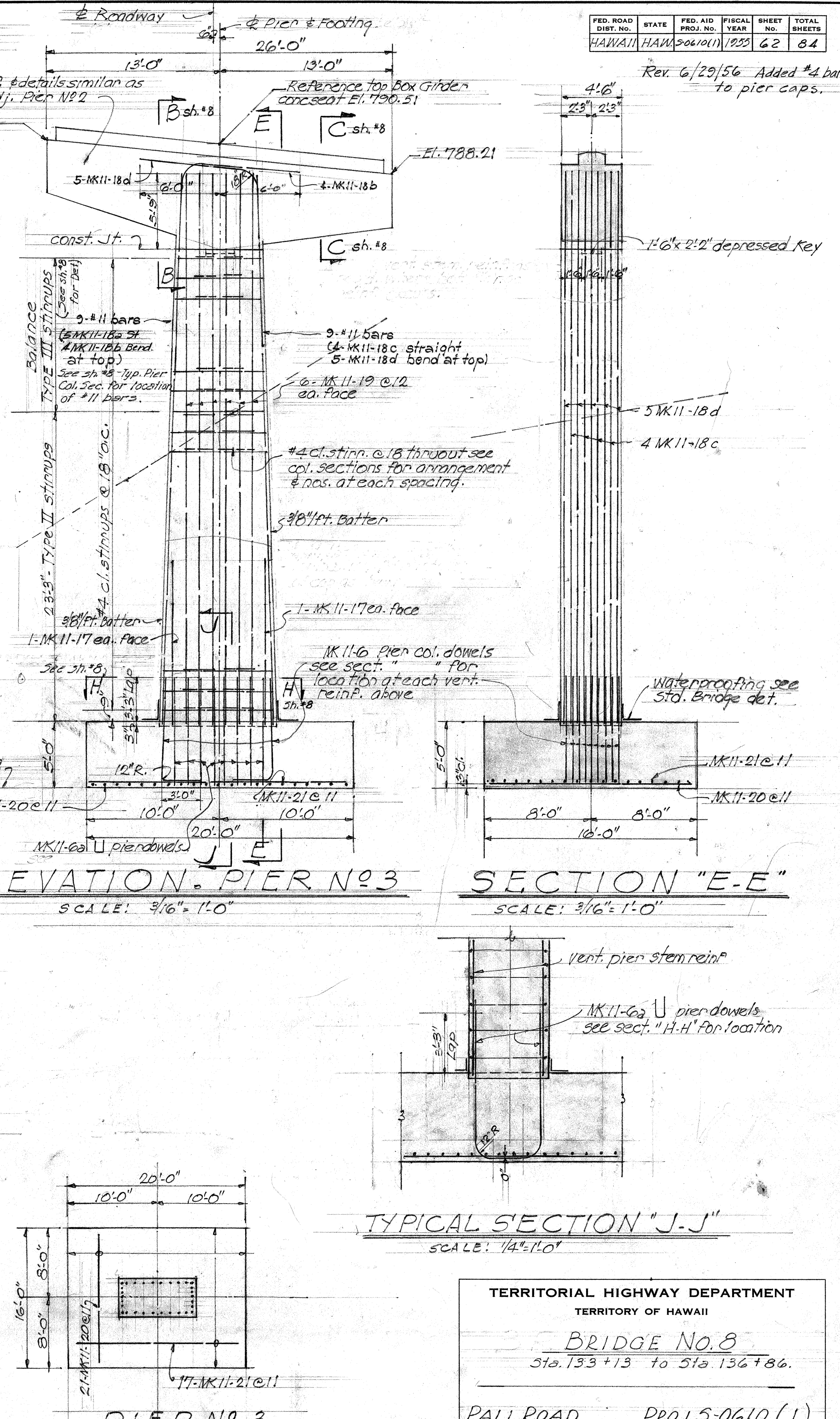
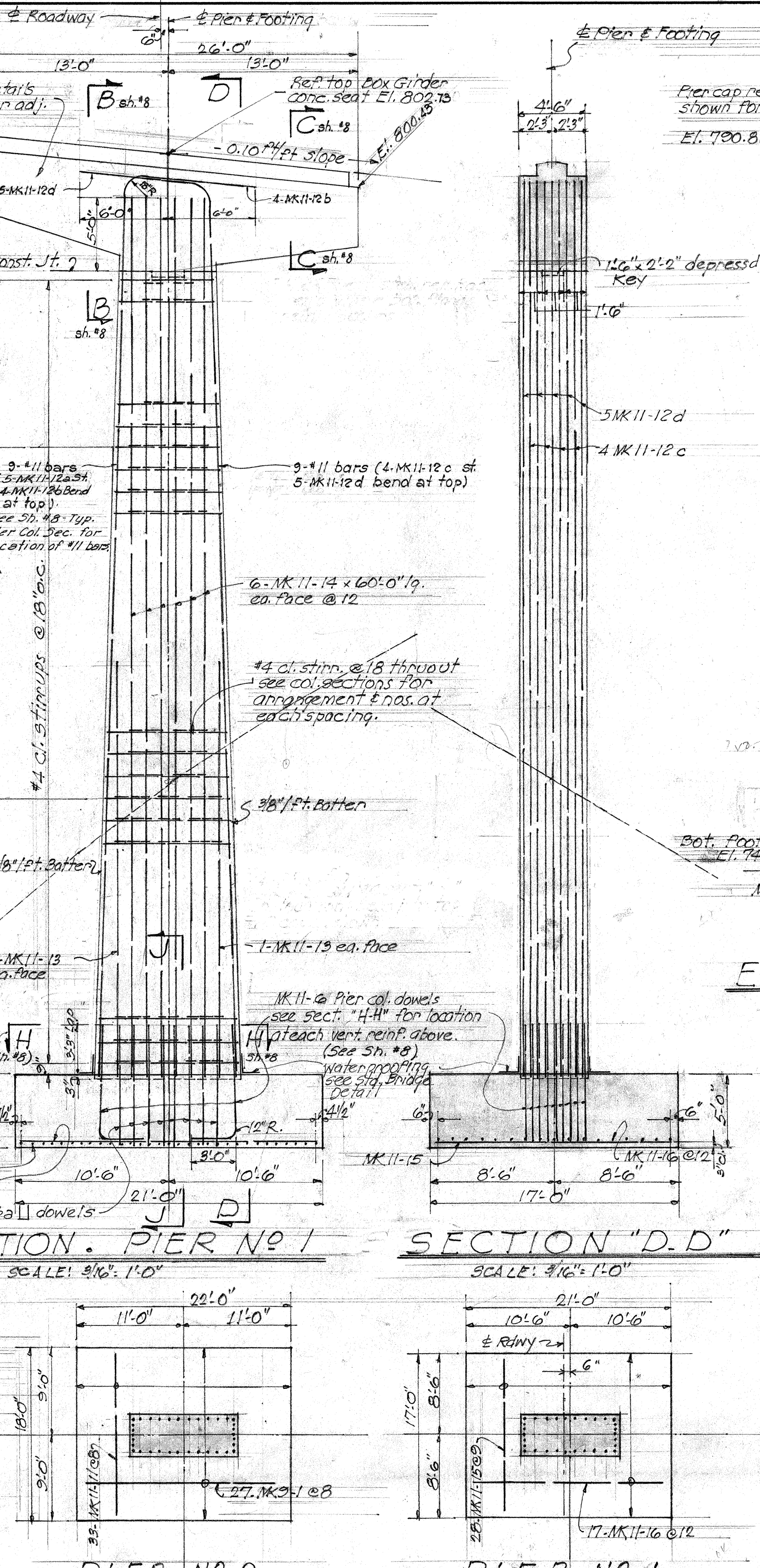
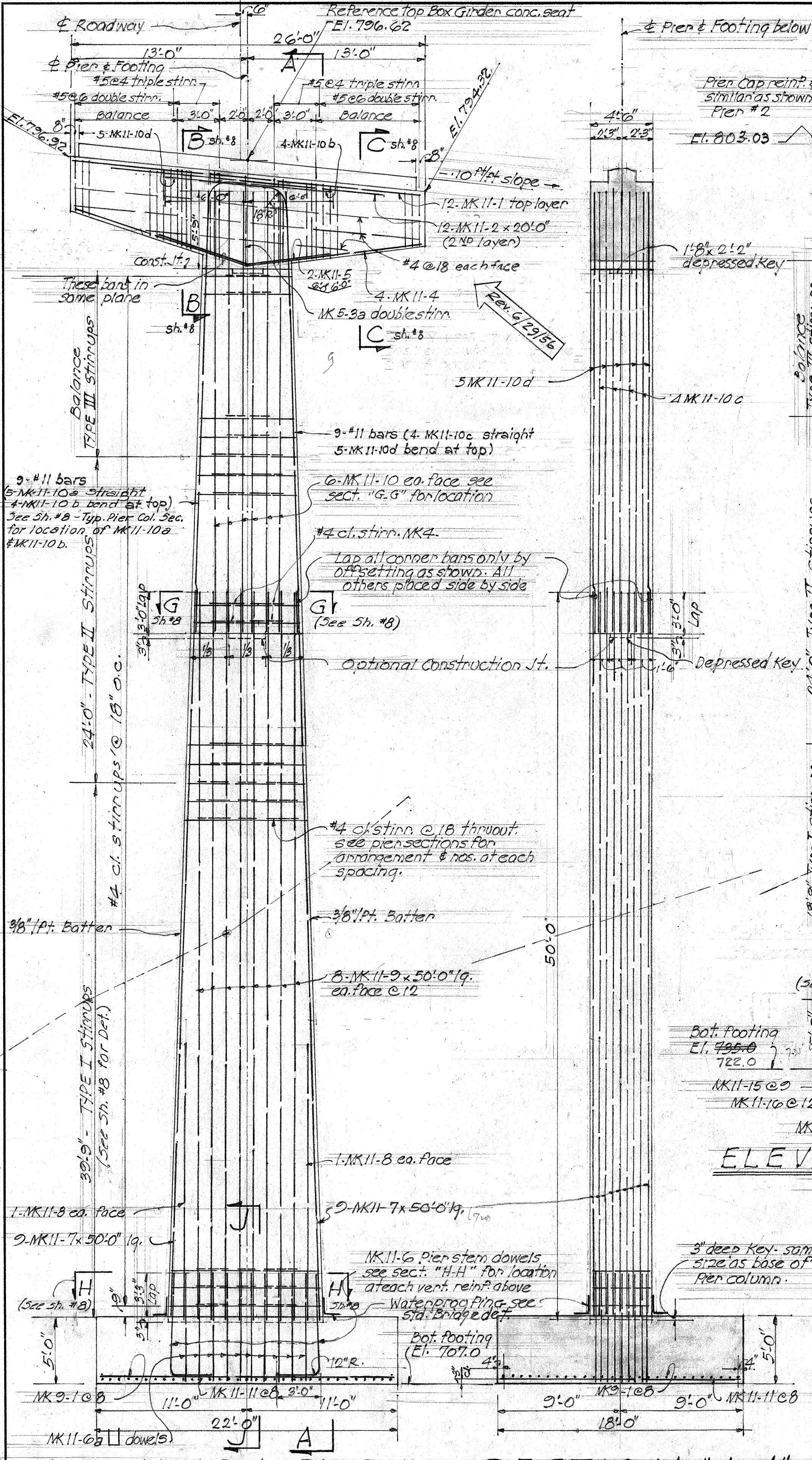
**TERRITORIAL HIGHWAY DEPARTMENT**  
 TERRITORY OF HAWAII  
**BRIDGE No. 8**  
 Sta. 133+13 to Sta. 136+86  
**PALI ROAD PROJ. 5-0610(1)**  
 Feb. 1953  
**SHEET NO. 6 OF 11 SHEETS**

**5752-61**

SURVEY PLOTTED BY: DATE: " " " "  
 DESIGNED BY: H. R. G. 3/2/53  
 CHECKED BY: H. R. G. 3/2/53  
 QUANTITIES BY: H. R. G. 3/2/53  
 NOTE BOOK No. 1



Rev. 6/29/56 Added #4 bars to pier caps.



**PLAN. FOOTING DETAILS**  
SCALE: 1/8" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII

**BRIDGE No. 8**  
Sta. 133+13 to Sta. 136+86.

PALI ROAD PROJ. 5-0610 (1)  
Feb. 1955



REVISED: FEB. 28, 1956  
Altered Dowel Spacing  
Rev. June 29, 1956 #4 bars added  
to Pier Caps.

Rev. 2/28/56

Cont. Box Girder seat  
see adj. details

12-NK 11-1  
12-NK 11-2

NK 5-6 cl. stirr.  
NK 5-10 cl. stirr.

Triple stirr. ea. spacing  
@ 4'

2-NK 11-5  
4-NK 11-4

2'-3" 2'-3" 4'-6"

NK 11-22 Dowels. See Typ. Pier Cap Detail for spacing  
conc. seat reinf. not  
shown. See details  
below.

15-NK 11-10d. Pier #2  
15-NK 11-12d. Pier #1  
15-NK 11-18d. Pier #3

#4 @ 18"  
each face.

Varies

12"

2'-0" 2'-0" 2'-0"

12-NK 11-1  
12-NK 11-2

Double stirr. NK 5-11  
ea. spacing @ 6'

12-NK 11-4

2'-3" 2'-3" 4'-6"

Rev. 6/29/56

TYPICAL SECTION "B.B."

SCALE: 1/2" = 1'-0" see sheet #7

TYPICAL SECTION "C.C."

SCALE: 1/2" = 1'-0" see sheet #7

A hand-drawn technical sketch of a bridge deck cross-section. The drawing shows a central vertical pier or support. On either side, there are concrete slabs. Reinforcement includes top and bottom longitudinal bars, stirrups, and dowels connecting the slab to the pier. Dimensions are given in feet and inches. Notes describe materials like lead plate, molten lead, and various reinforcement types (MK-1, MK-2, etc.).

*Space between lead plate & dowels to be filled with molten lead.*

*6" x 3/4" continuous rolled lead R.C. General Notes for Specs. on loc.*

*bottom of Box Girder*

*Top conc. seat*

*Monolithic pour*

*9"*, *8"*, *9"*

*0' 6"*

*0' 3"*

*1' 3"*, *2' 0"*, *1' 5 1/2"*

*MK-1 - 7 @ 12"*

*MK-2 @ 12"*

*2-MK-4-3 cont.*

*MK-1 = 22 dowels x C.L. - g. see detail for loc.*

# SECTION "F.F."

*SCALE: 1/2" = 1'-0"*

26'-0"

12" spacing thruout

8'-0"

24'-8" - Box Girder seat

8"

4'-0"

11'-0"

6'-6"

11'-0"

Construction Jt.

MS 11-22 dowels as shown

TYPICAL PIER CAP DETAIL

SCALE: 3/16" = 1'-0"

Feb. 28, 1956

symm. about  $\frac{1}{2}$

varies

3' @ 12" o.c. 4' @ 14" o.c. 3' @ 12" Above Lap

3' @ 12" 13"

3"

9' @ 11"

4'-6"

3"

varies

4 sets of ties eq. laye as shown.

1#4-6 cl. stirr. throughout

1#4-2 @ 12" above lap  
1#4-2 @ 12" below lap

1#4-7 cl. stirr.  
1#4-6 @ 12" lap

(see sh. #7 for loc.)

TYPE II STIRRUPS

Hand-drawn diagram of a half-section "G-G" showing the arrangement of vertical stem reinforcement at a splice. The diagram includes dimensions for lap lengths (4'-6", 2'-3", 2'-3", 4'-6"), reinforcement counts (#11 vert. stem reinf.), and notes on symmetry and pier height. A note at the bottom right says "(See Sh. #7 for Locations)".

[illegible]

OUTLINE MK 11-6  
pier dowels

symm. about C

varies

2'-3"

2'-3"

4'-6"

OUTLINE MK 11-6a  
DOWELS

COLUMN BARS

4 @ 12"

16"

(See Sh. # 9 for Locations)

HALF SECTION "H-H" SHOWING  
ARRANGEMENT OF DOWEL LOCATION

SCALE: 1/2" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII

BRIDGE No. 8  
Sta. 133 + 13 to Sta. 136 + 86

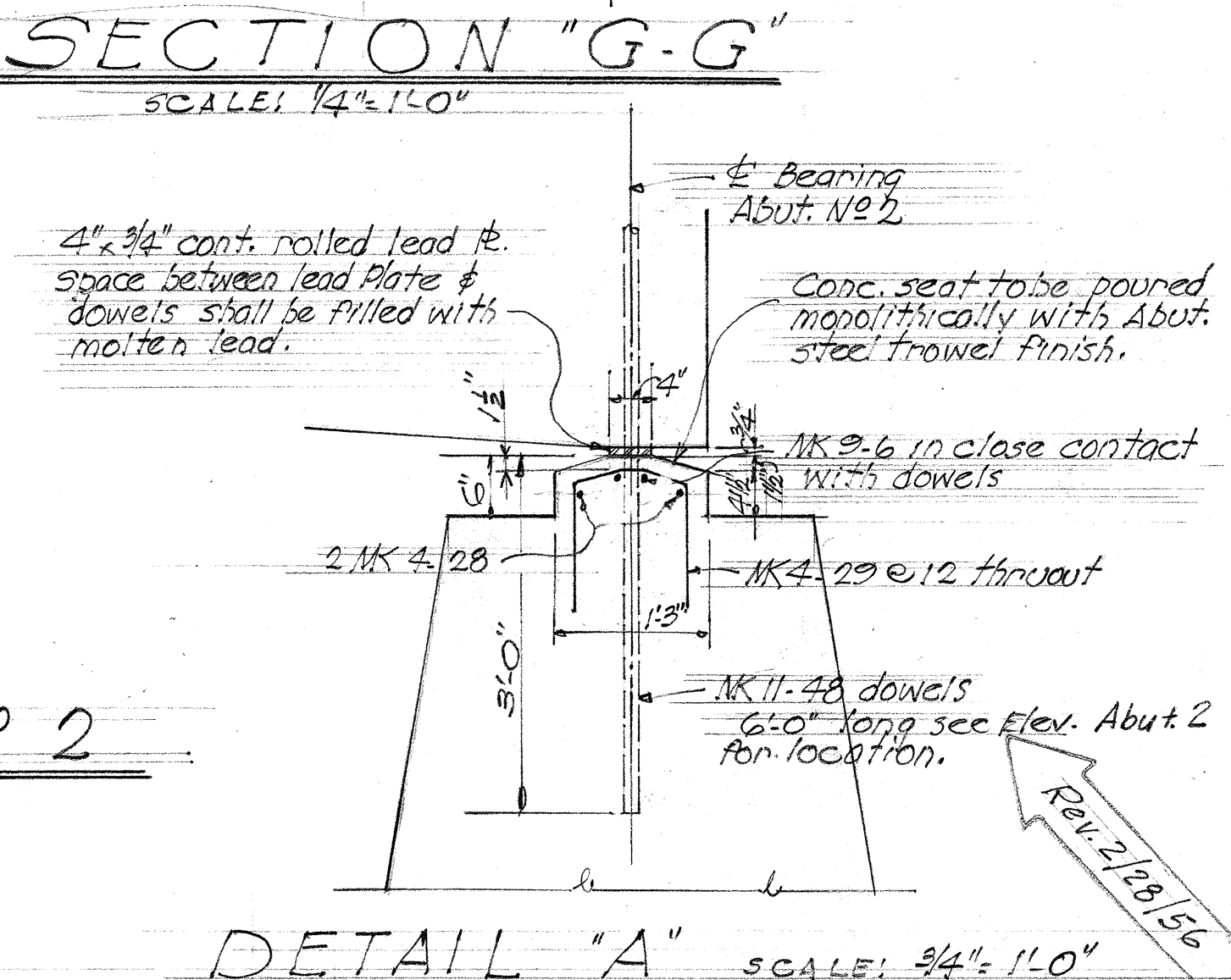
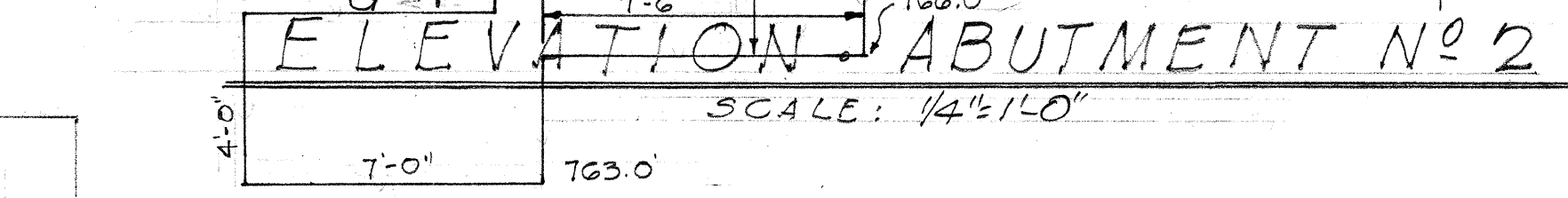
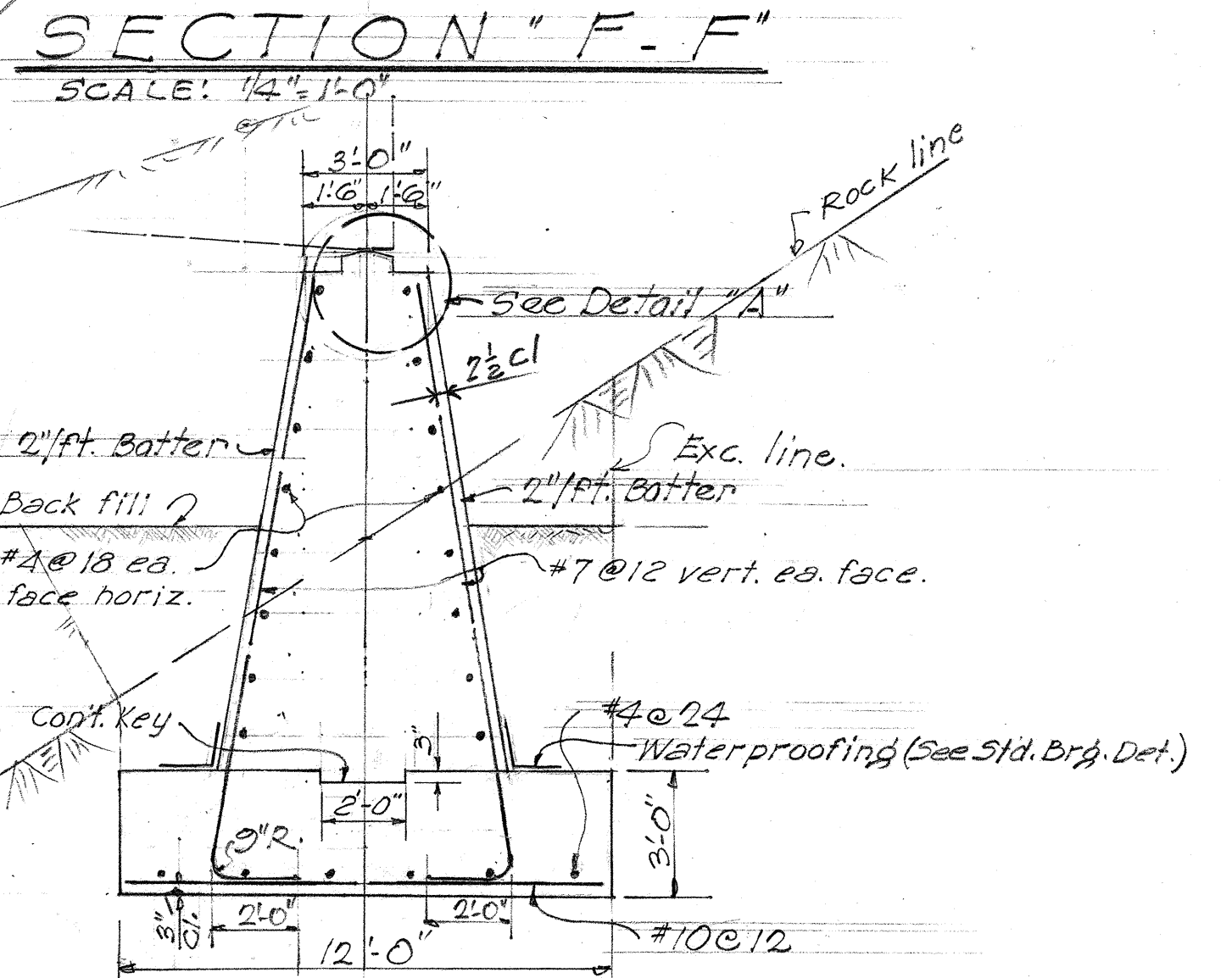
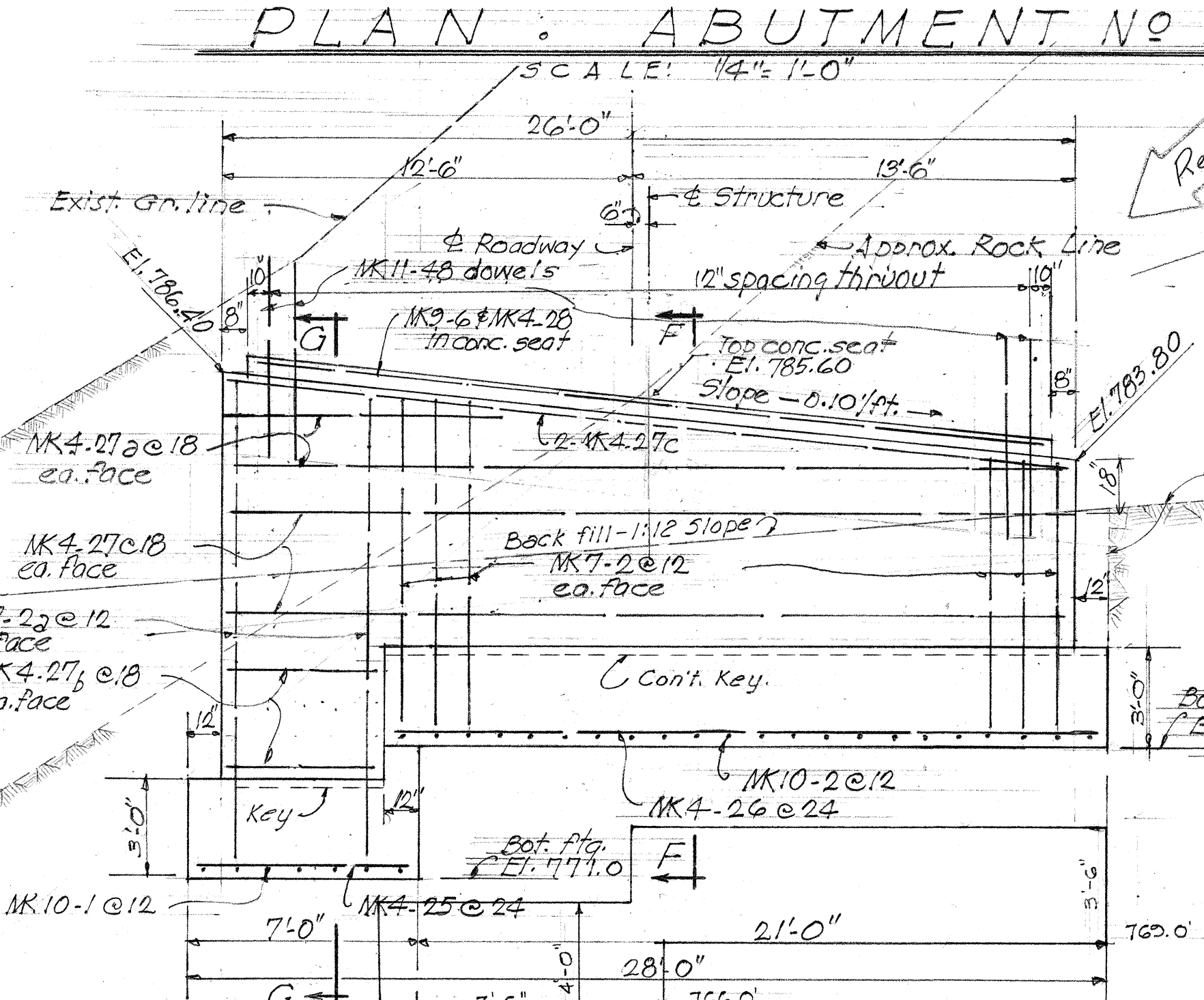
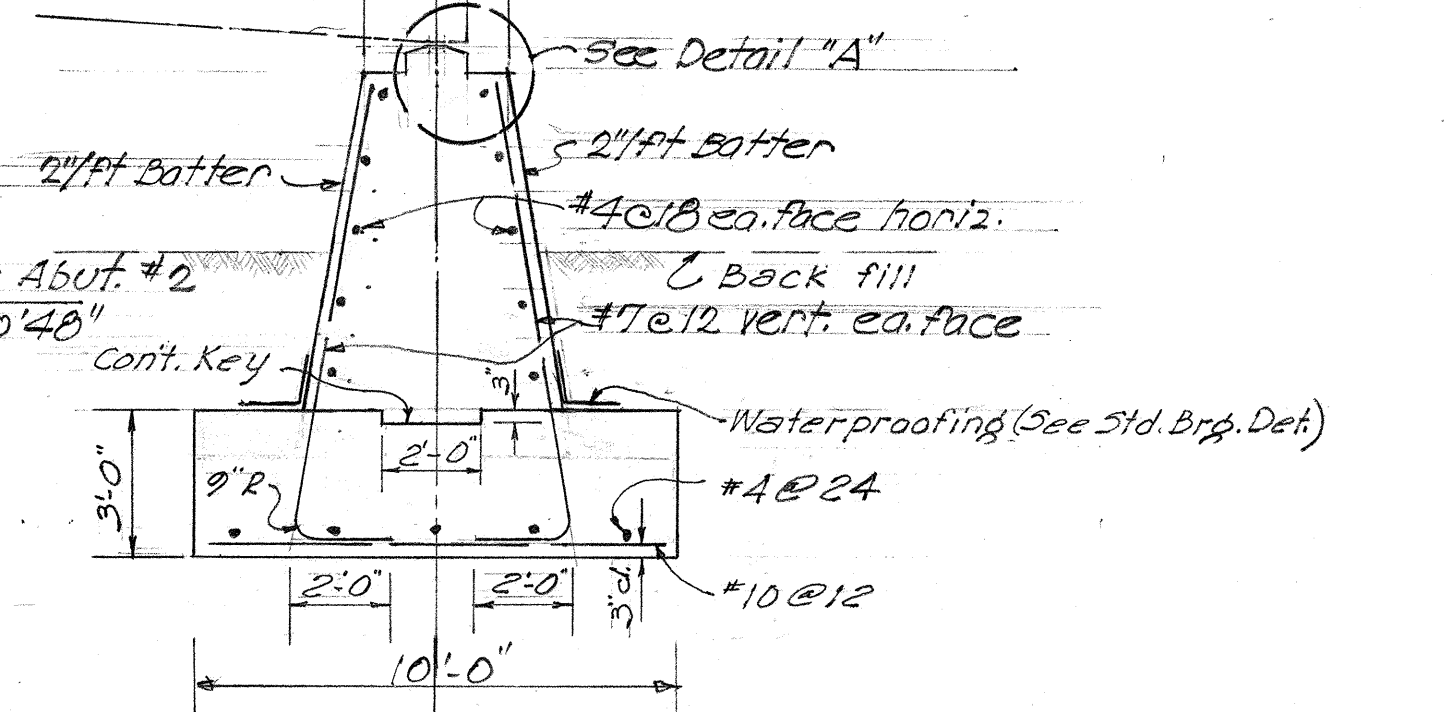
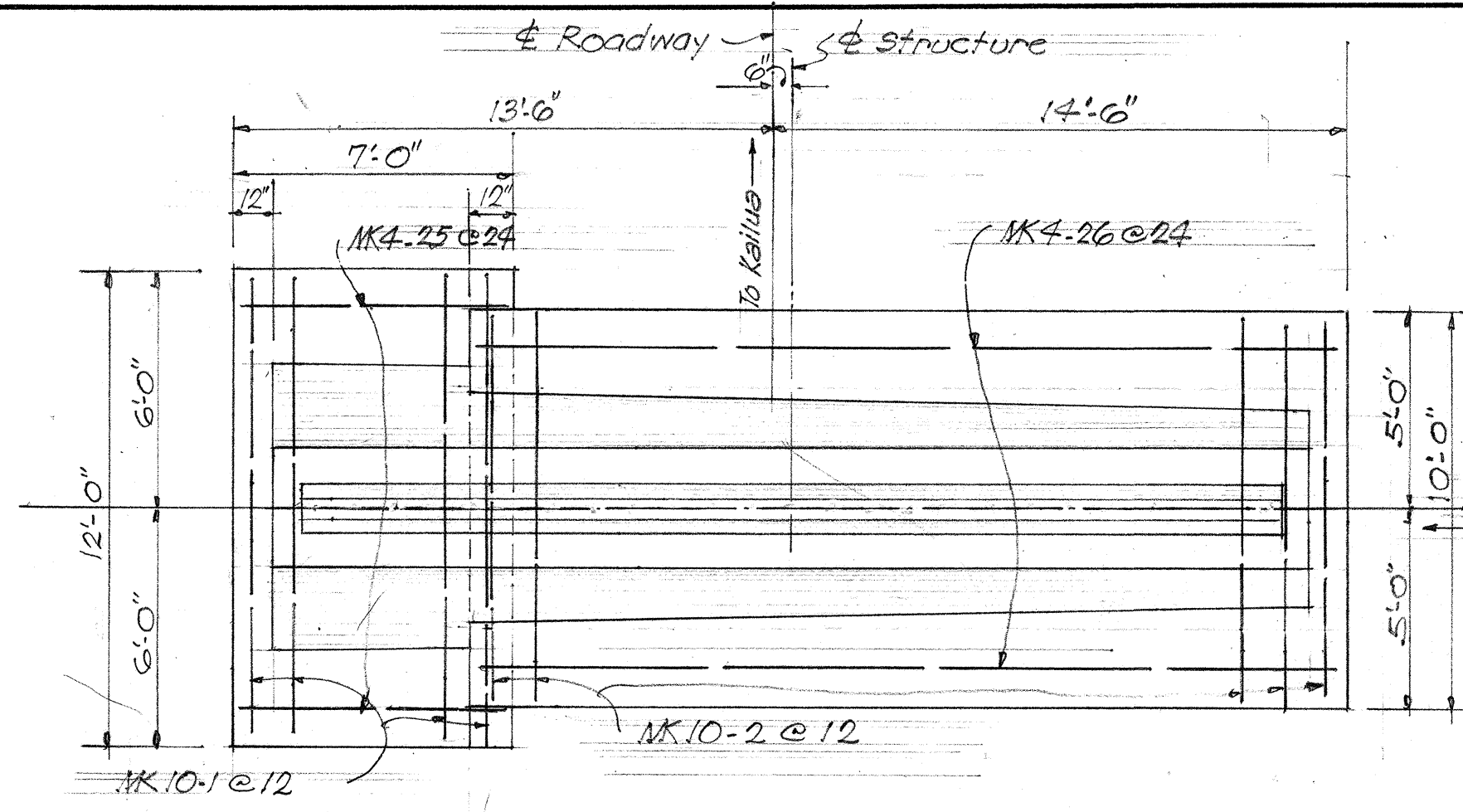
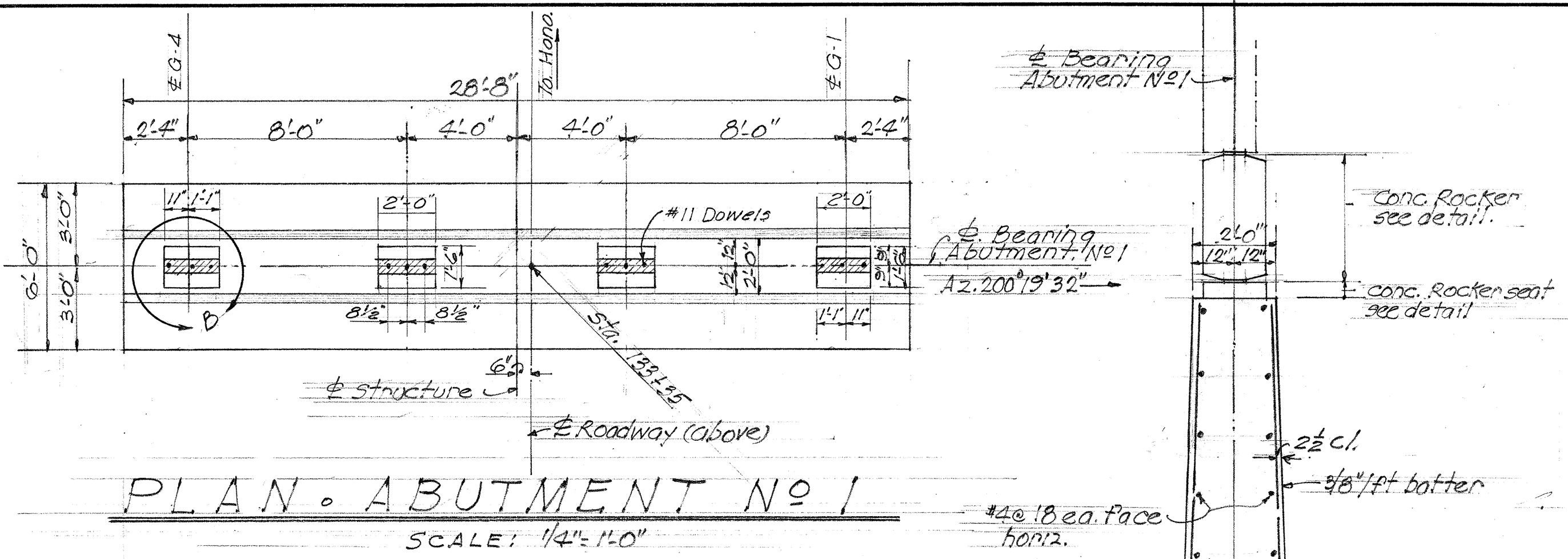
PALI ROAD PROJ. 5-0610(1)  
Feb. 1955

SHEET No. 8 OF 11 SHEETS

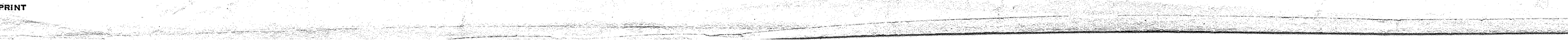
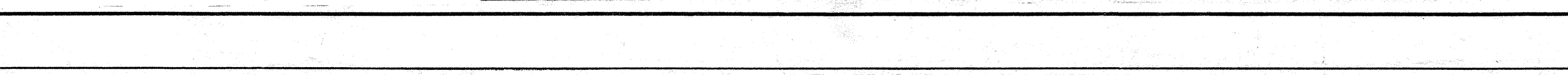
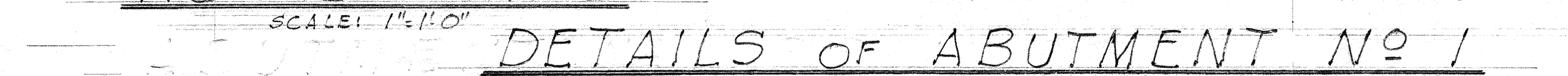
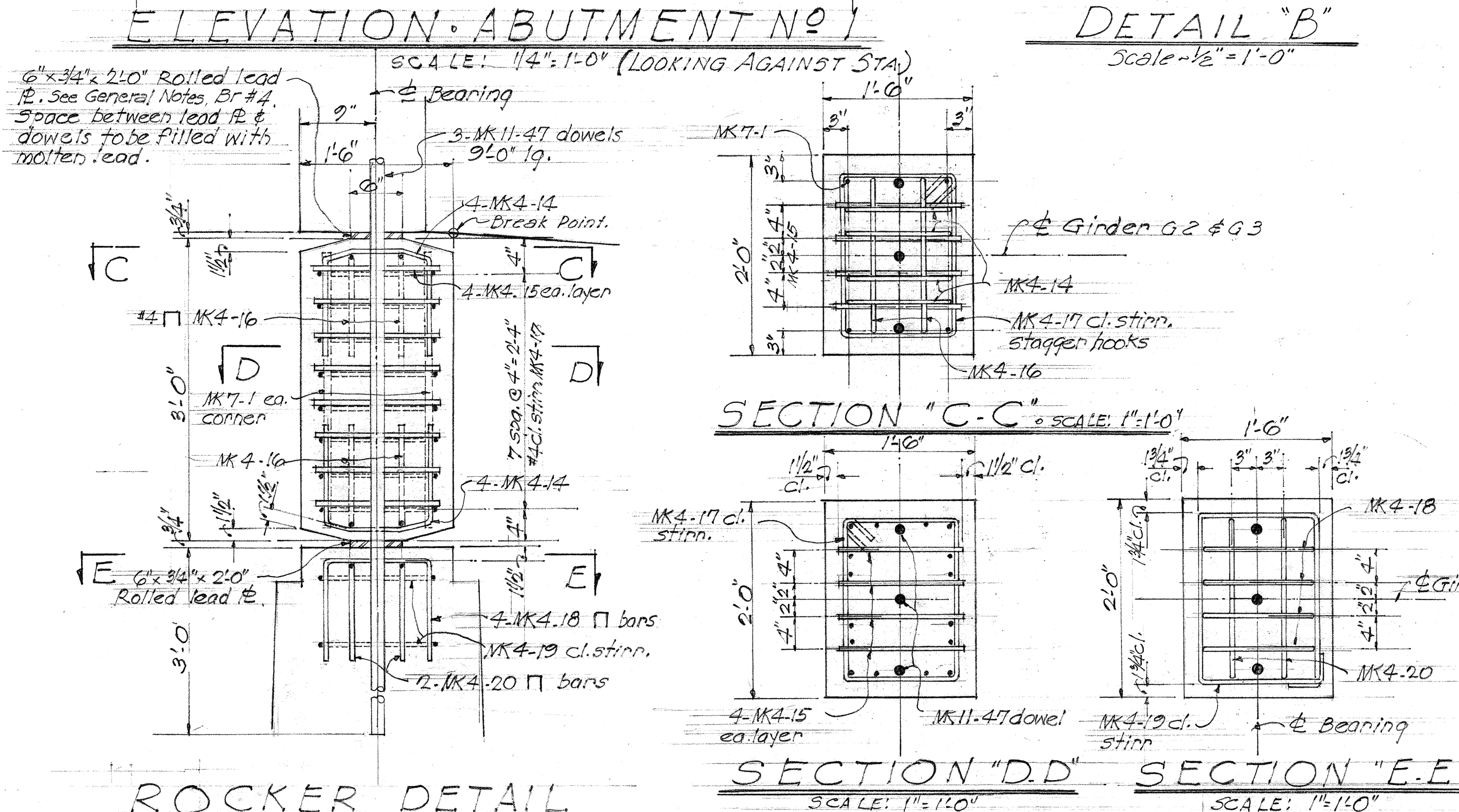
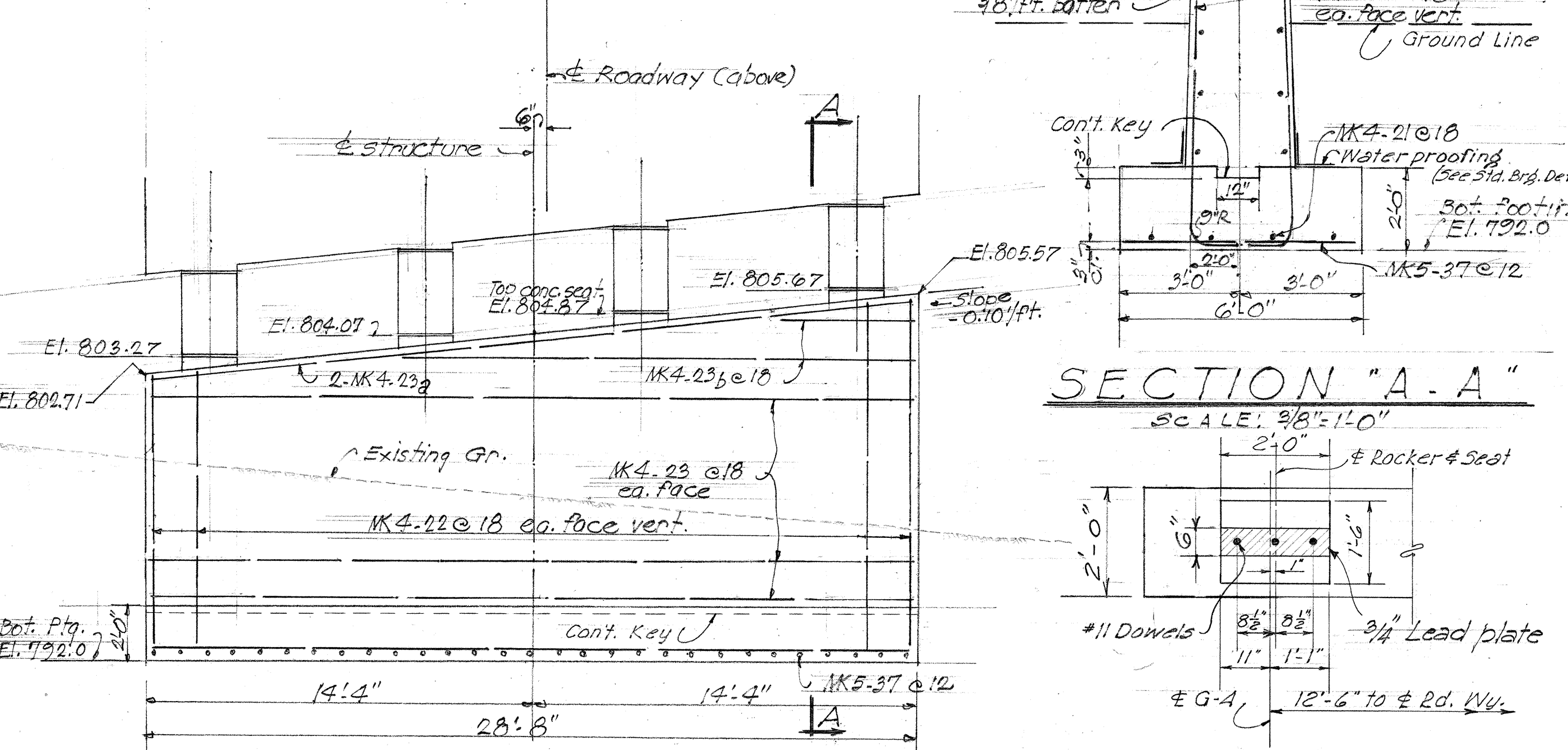
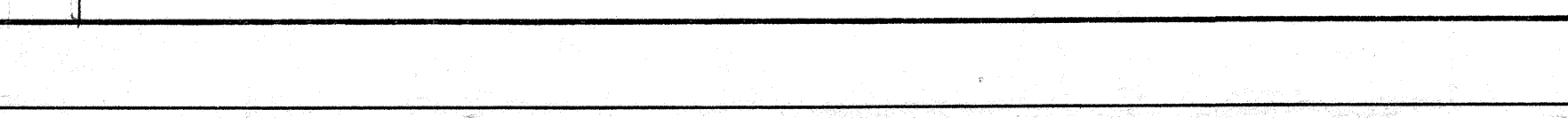
5752 • 63



Revised: Feb 28, 1956  
Altered Dowel Spacing

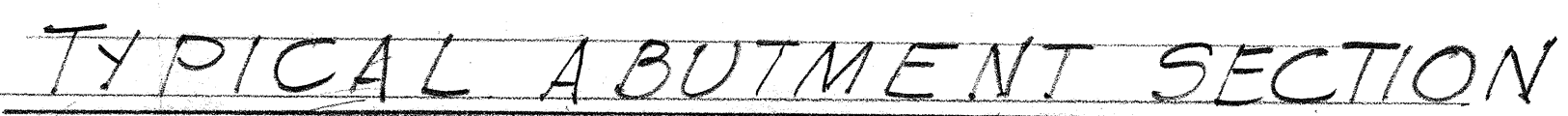
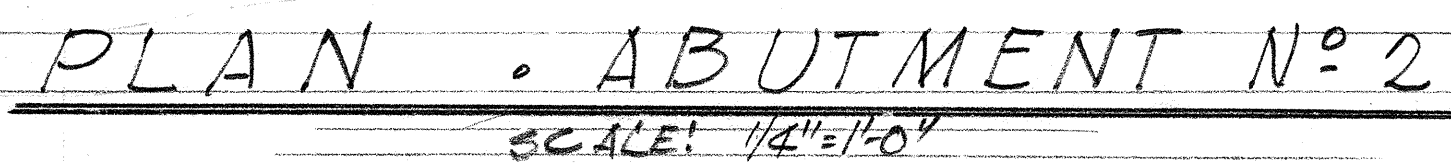


## DETAILS OF ABUTMENT NO 2





This sheet supersedes corresponding details shown on sh. 5752.64



See Contract Drawing Sh. 5752.64 for details not shown.

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII

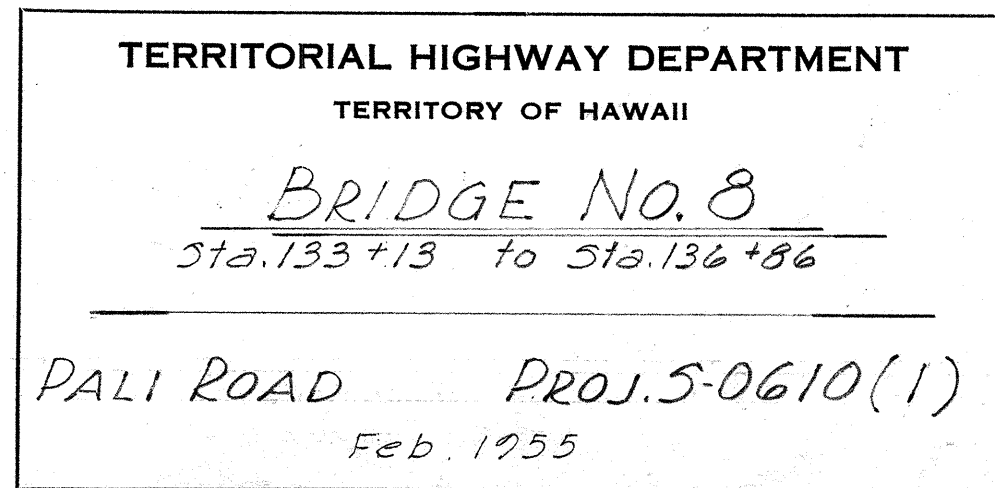
REVISION TO A BUT. N<sup>o</sup> 2  
BRIDGE N<sup>o</sup> 8  
STA. 123+13 To STA. 136+86

PALI ROAD PROJ. 5.0610(1)  
DEC. 1956

5752.64 A

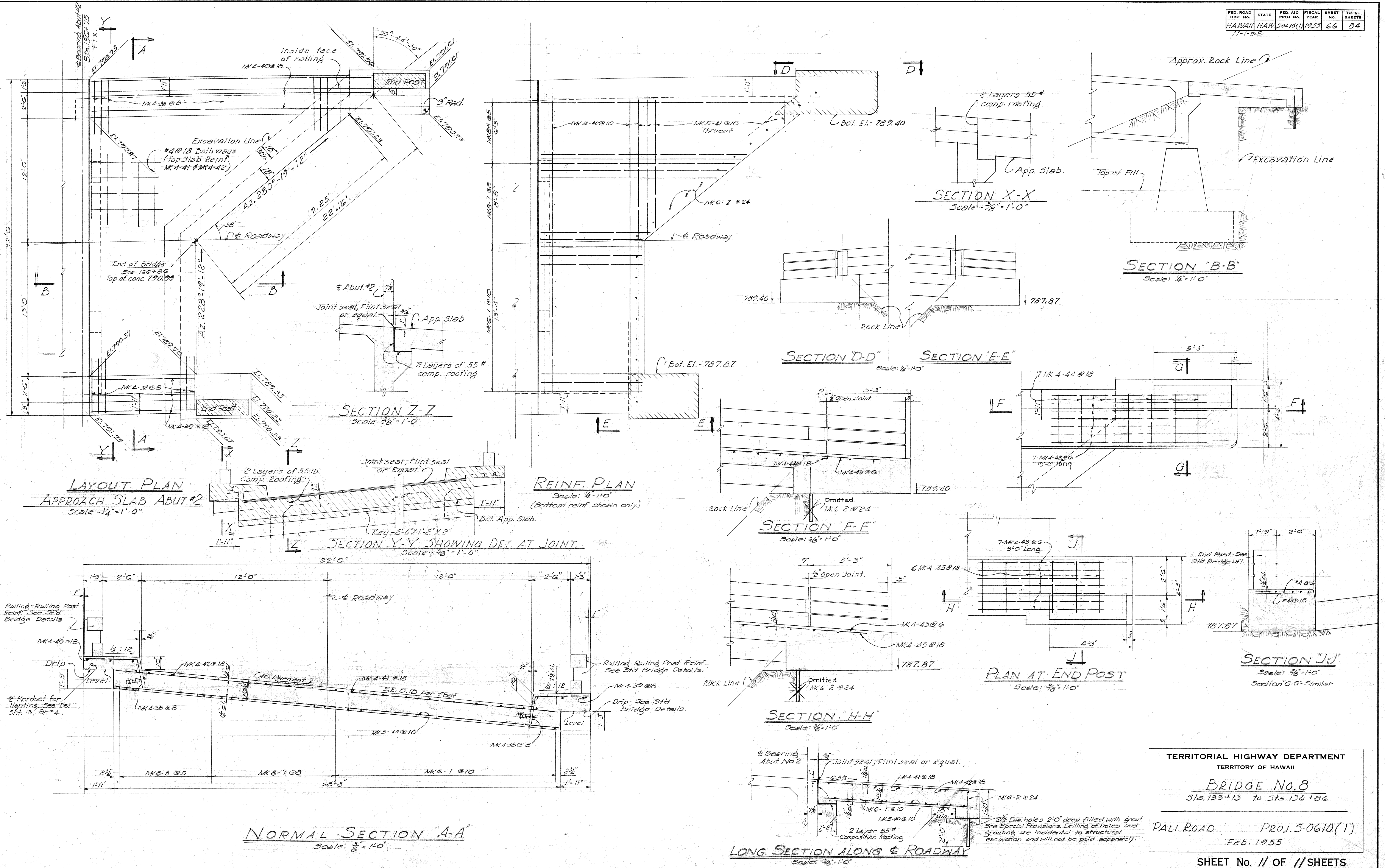


11-1-55





| FED. ROAD DIST. NO. | STATE    | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|----------|--------------------|-------------|-----------|--------------|
| HAWAII HAW.         | 50610(1) | 1955               | 66          | 84        |              |



|                   |        |
|-------------------|--------|
| SURVEY PLOTTED BY | DATE   |
| DESIGNED BY       | Feb 55 |
| TRACED BY         |        |
| QUANTITIES BY     |        |
| CHECKED BY        |        |

TERRITORIAL HIGHWAY DEPARTMENT  
 TERRITORY OF HAWAII

**BRIDGE No. 8**  
 Sta. 133+13 to Sta. 136+86

PALI ROAD PROJ. 5-0610(1)  
 Feb. 1955



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