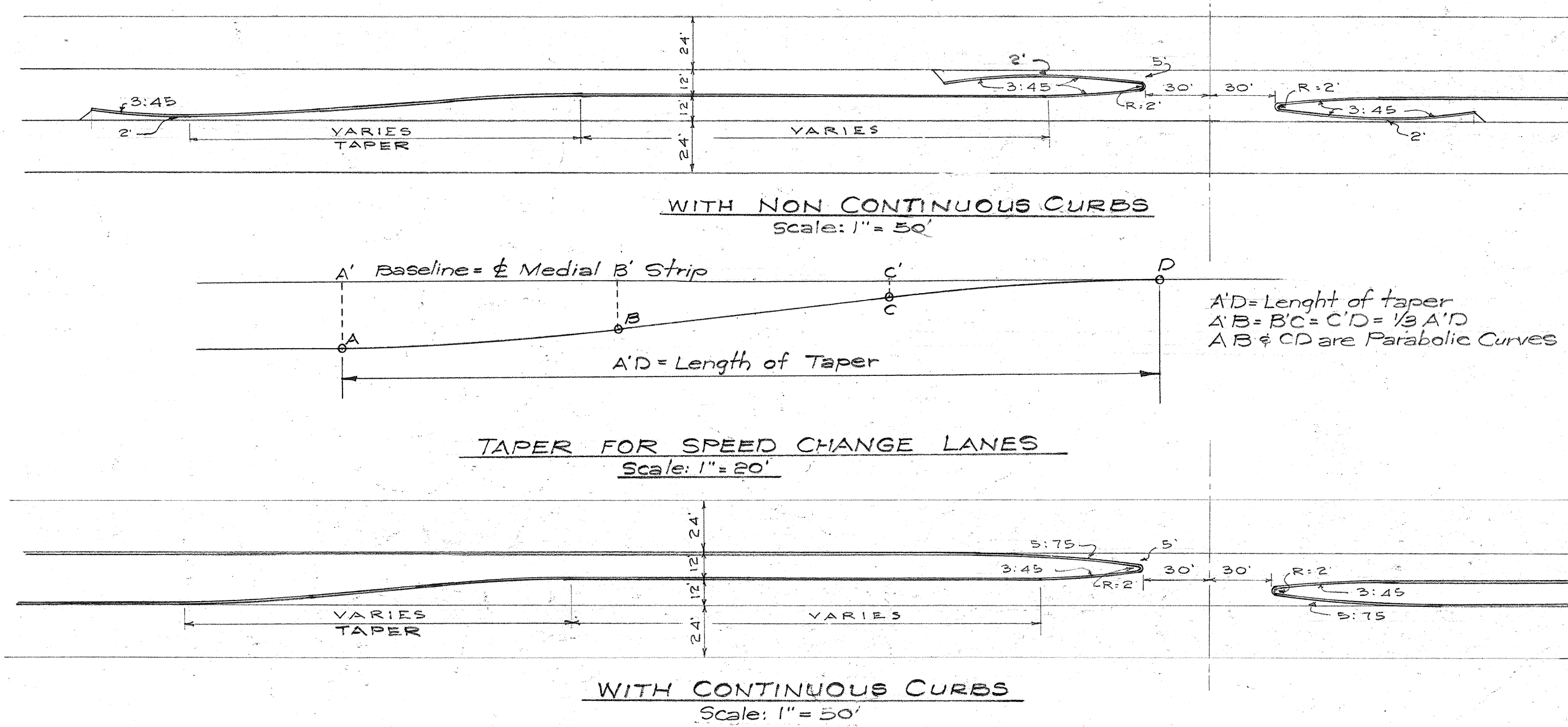
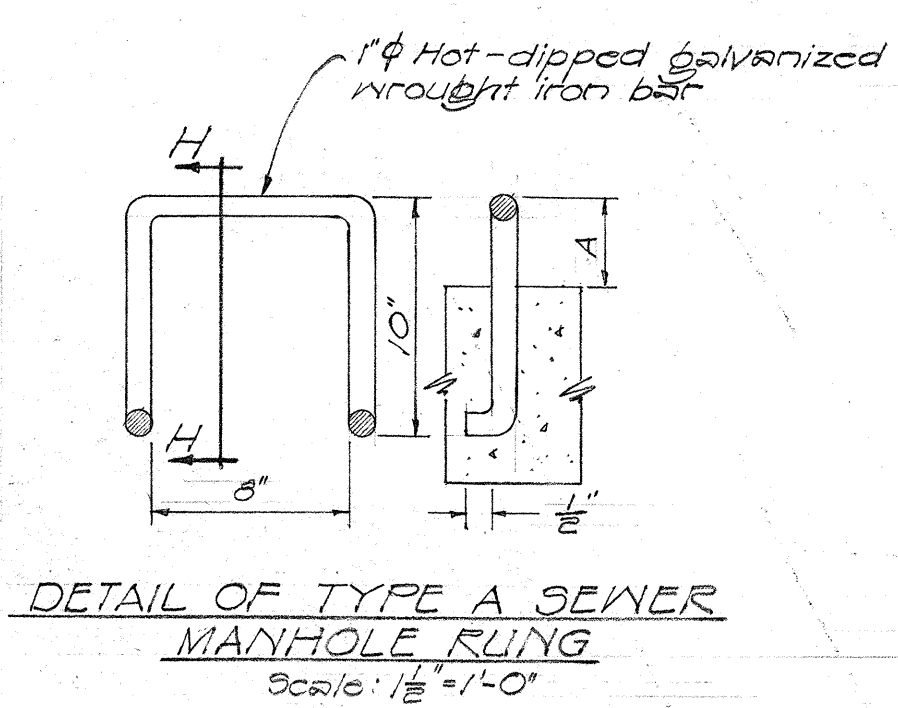
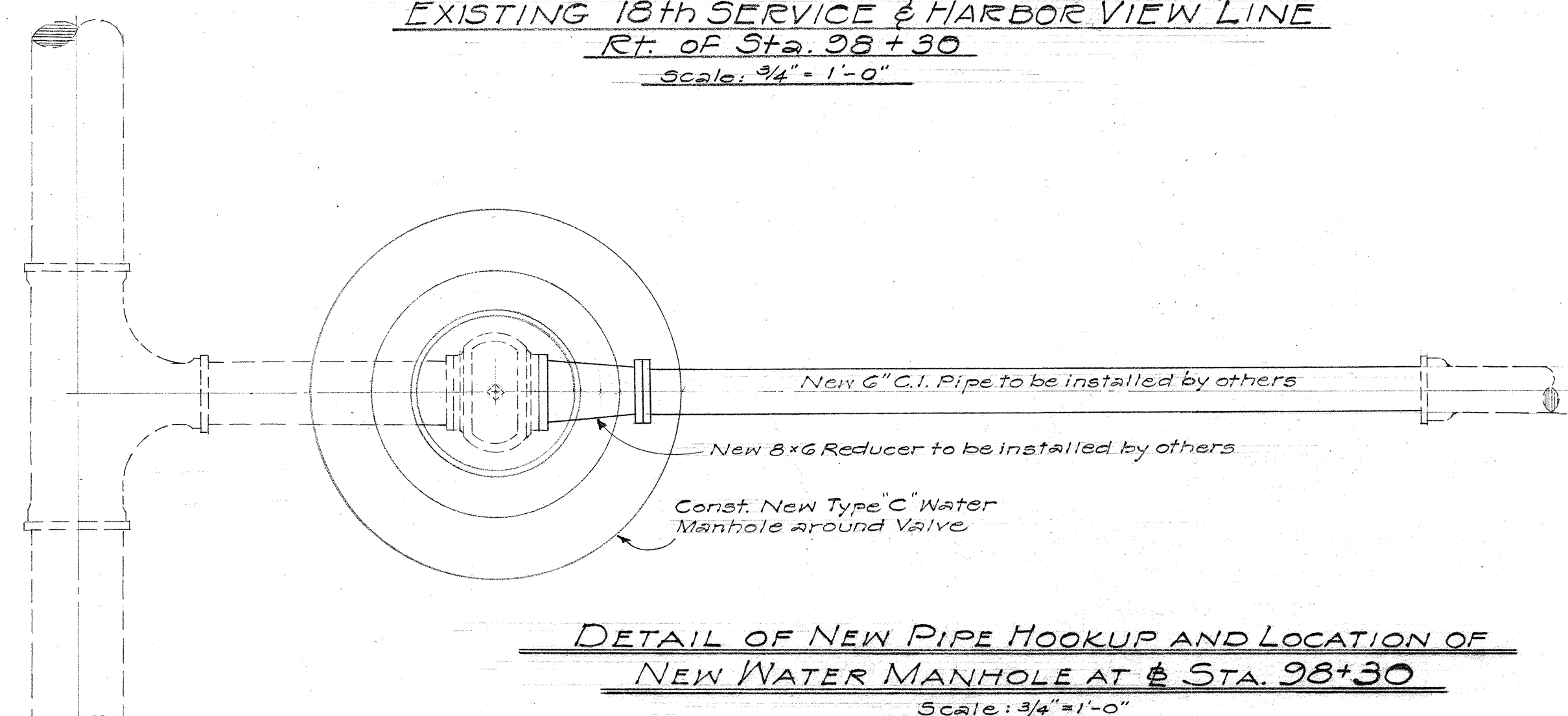
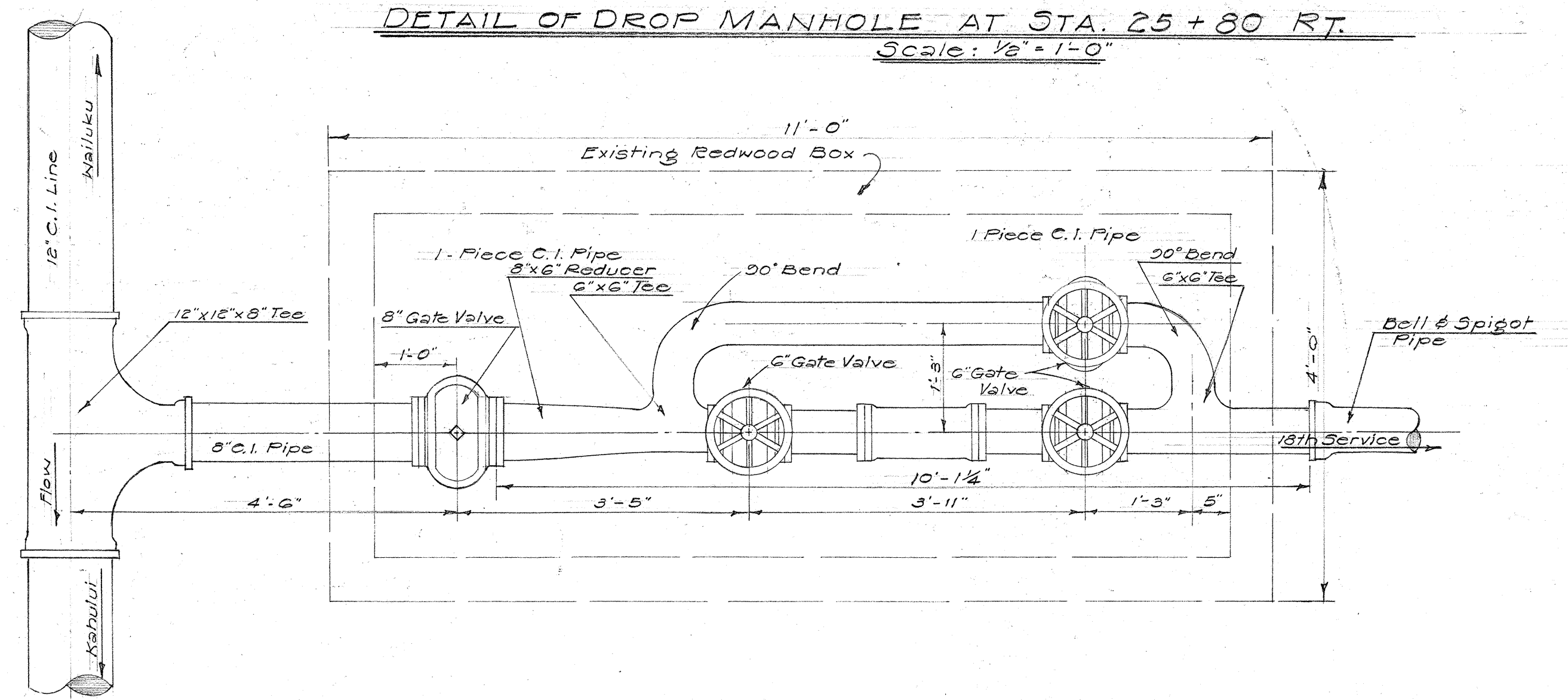
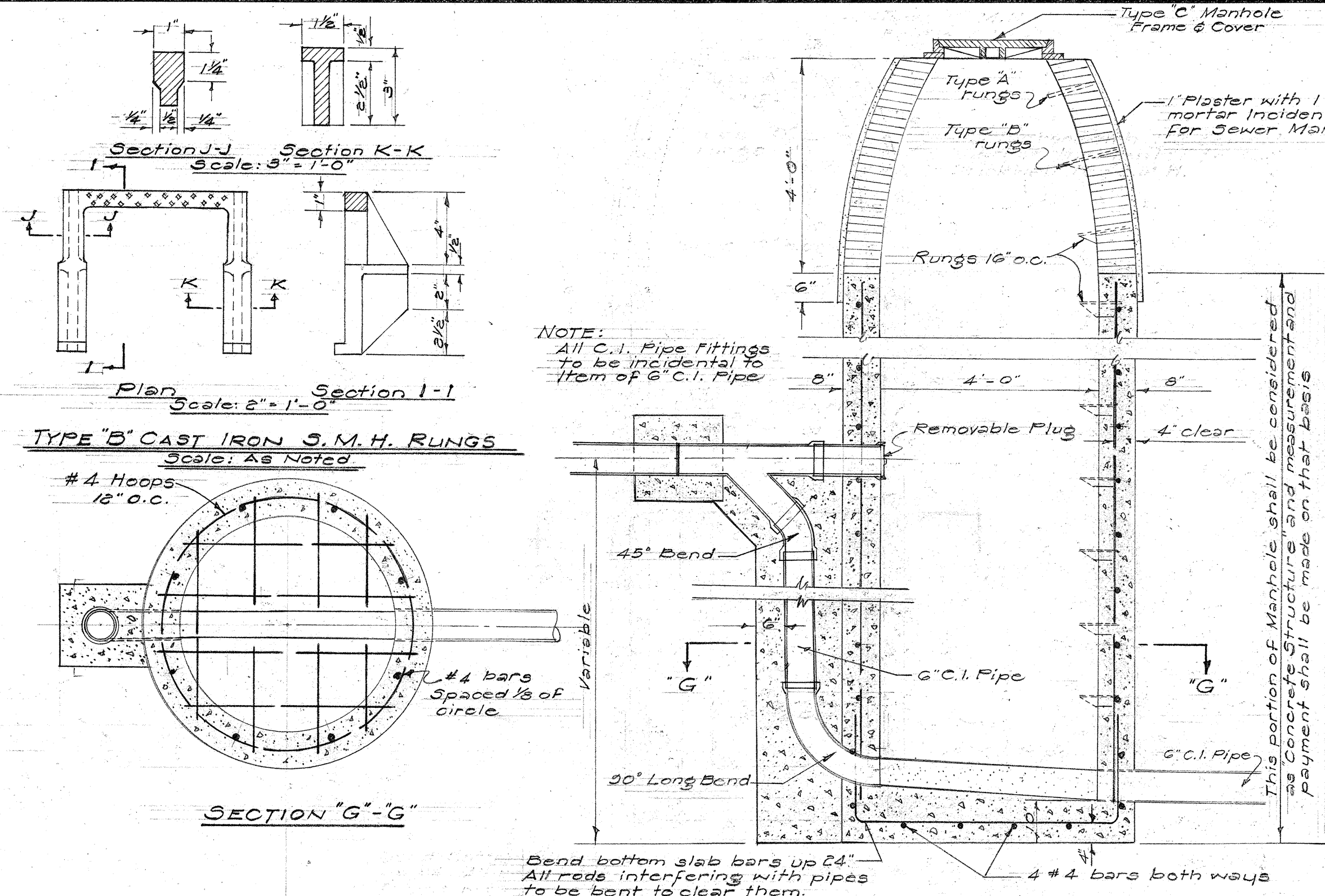
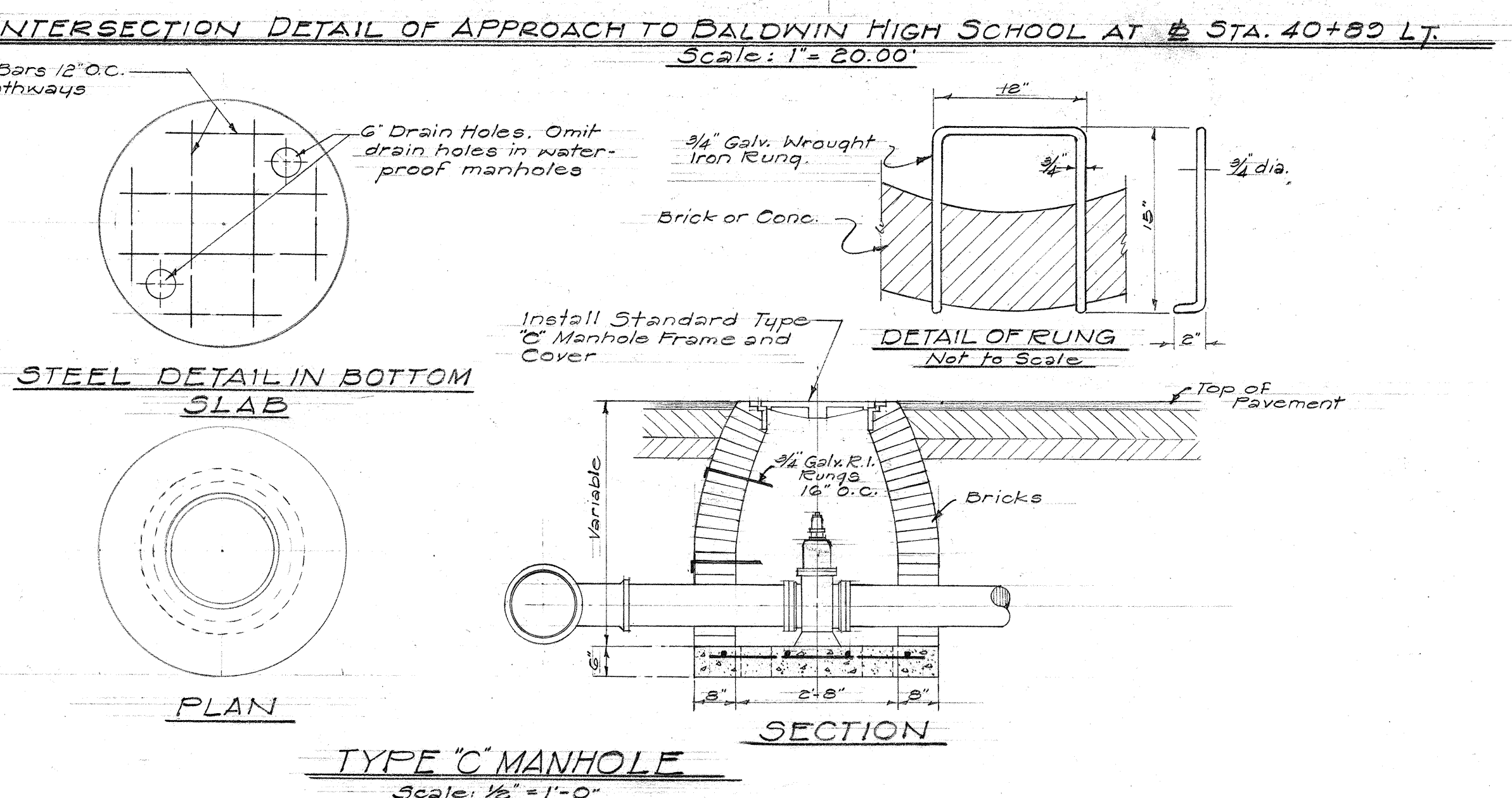
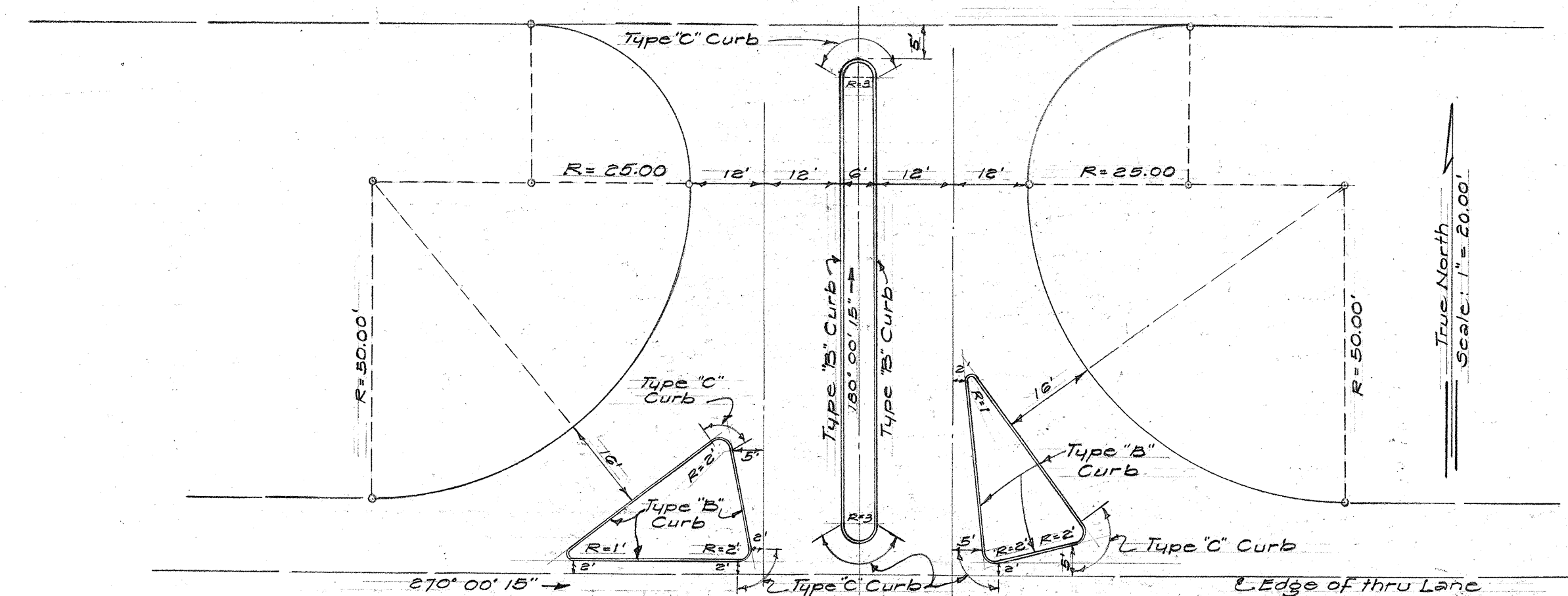


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | DF-032-1(4)        | 1958        | 10        | 41           |

Revised: Sept. 29, 1958



# TYPICAL DESIGNS FOR OPENING IN MEDIAL STRIP

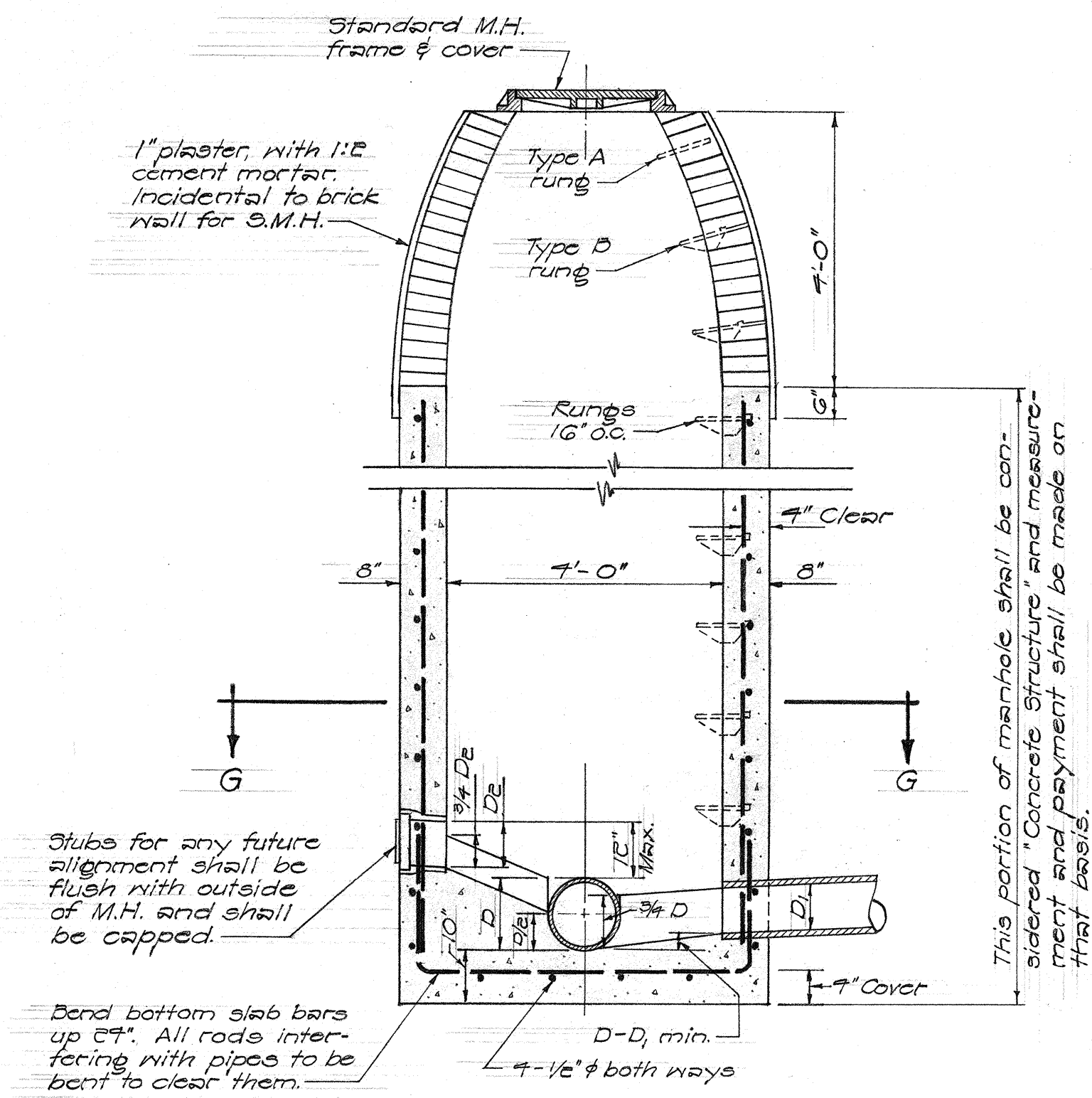


TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII

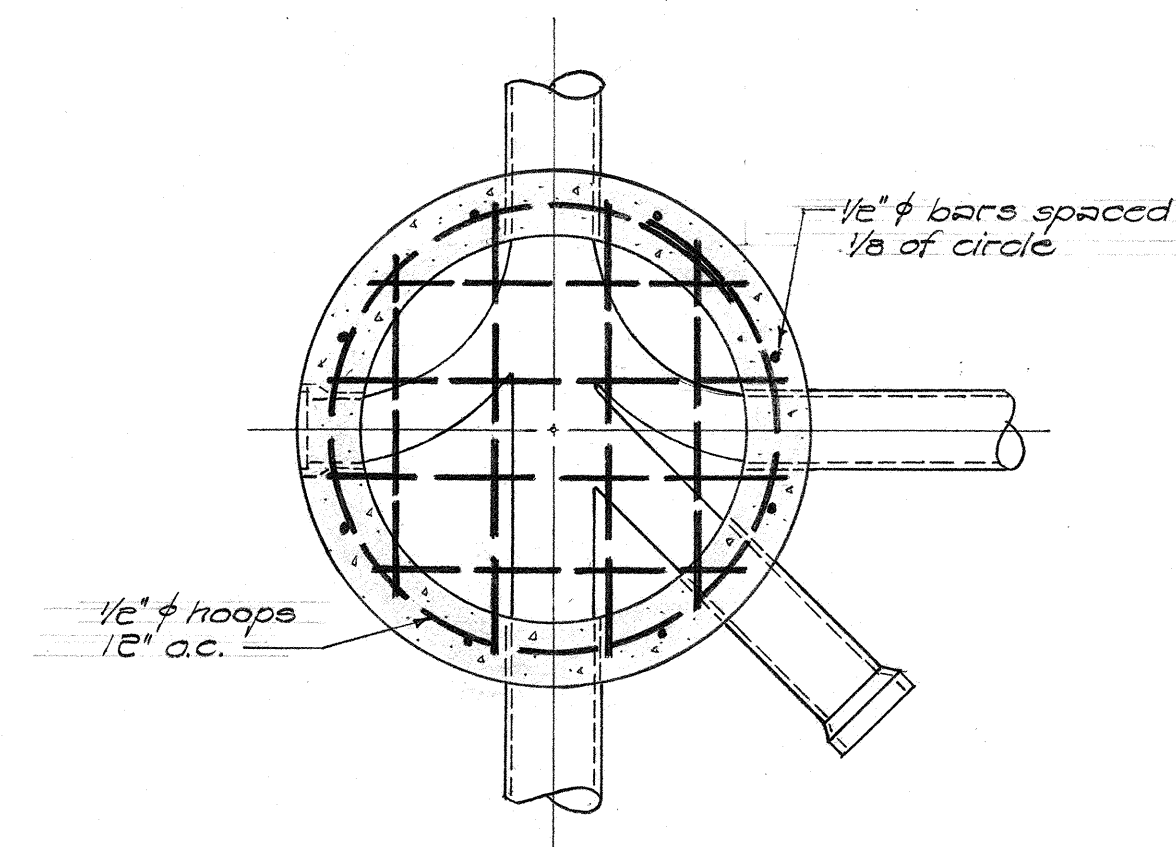
DETAILS

KAAHUMANU AVENUE  
Proj. No. DF-032-1(4)

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | DF-032-1(4)        | 1958        | 11        | 41           |



**PLAIN MANHOLE**  
Scale: 3/8" = 1'-0"

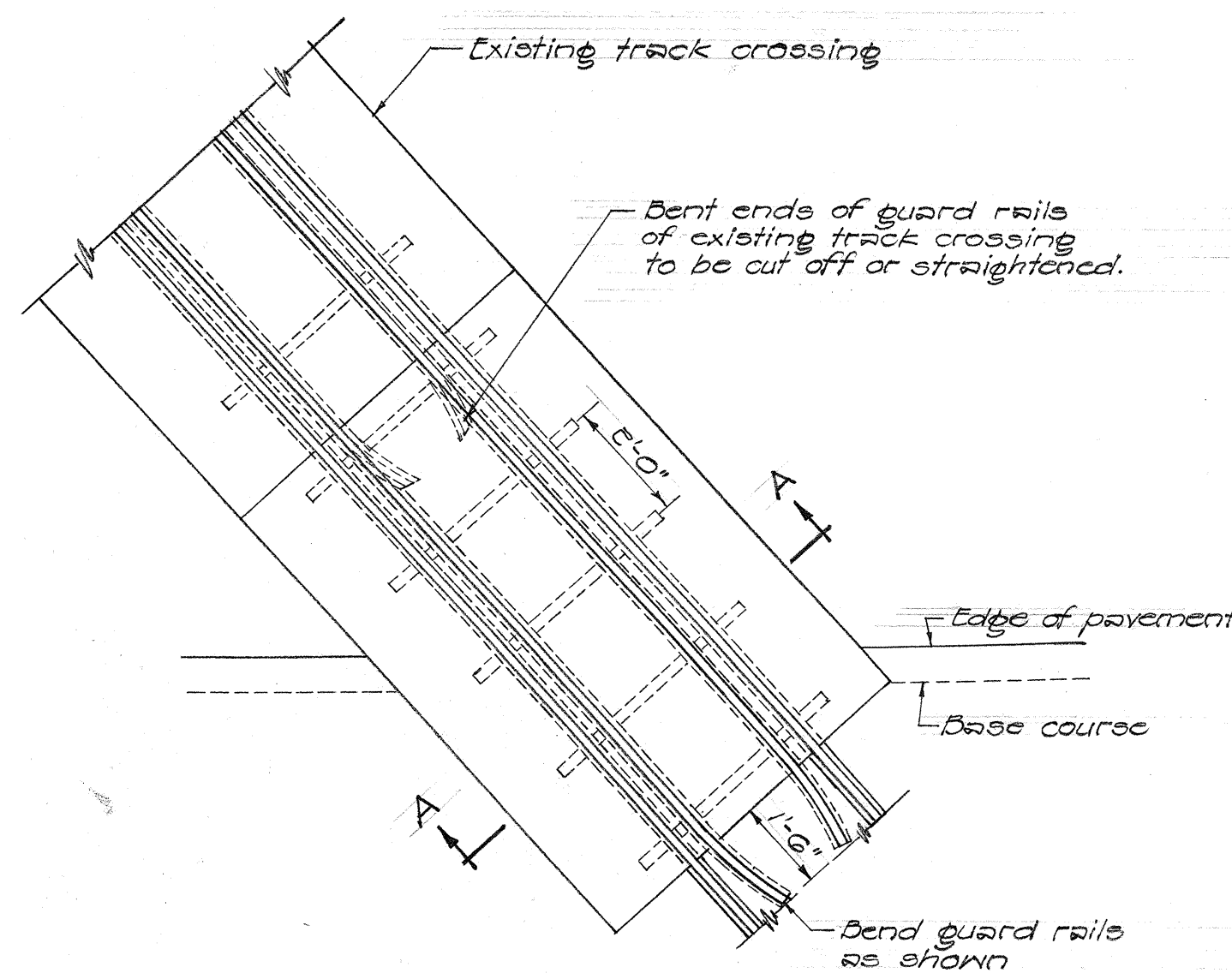


**SECTION G-G**

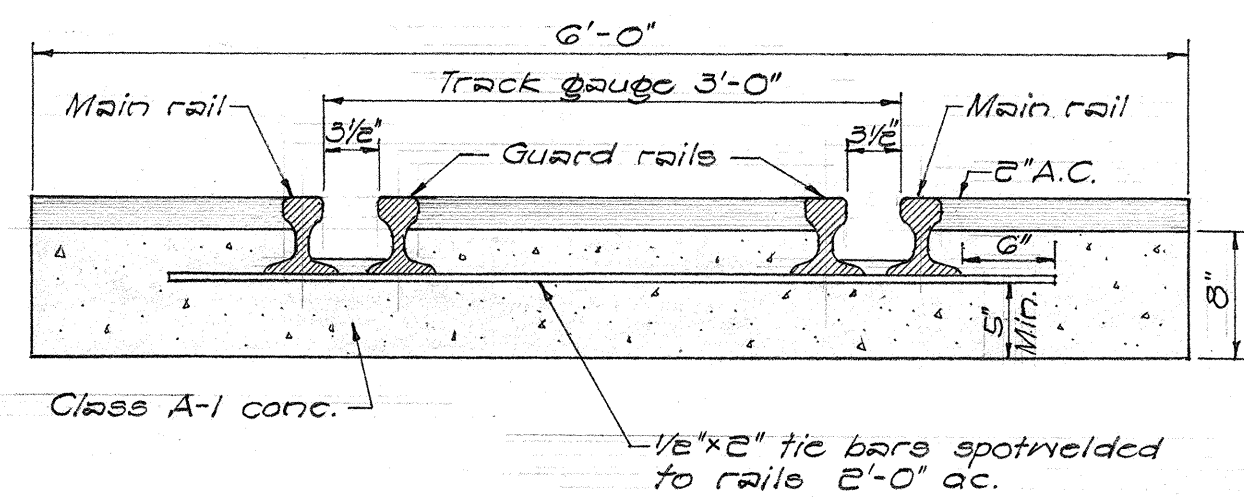
**NOTE:**

1. Manhole rung shall not be aligned above any flow line.
2. No rungs shall be installed in manholes less than 3' high.
3. When not otherwise noted, manhole stubs shall be sloped as follows:

| Pipe Size | Rise Per Foot |
|-----------|---------------|
| 6"        | 1/8"          |
| 8"        | 3/32"         |
| 10"       | 1/16"         |
| 12"       | 1/16"         |
4. All reinforcing rods interfering with pipes shall be bent to clear them.
5. Bar laps to be 40 diameters in length.



**PLAN**  
Scale: 3/8" = 1'-0"



**SECTION A-A**  
Scale: 1" = 1'-0"

**INDUSTRIAL TRACK CROSSING**

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII

**DETAILS**

KAAHUMANU AVENUE

PROJ. NO. DF-032-1(4)

Scale: As Noted Sept. 1958

SHEET NO. 2 OF 3 SHEETS

B 8243.11

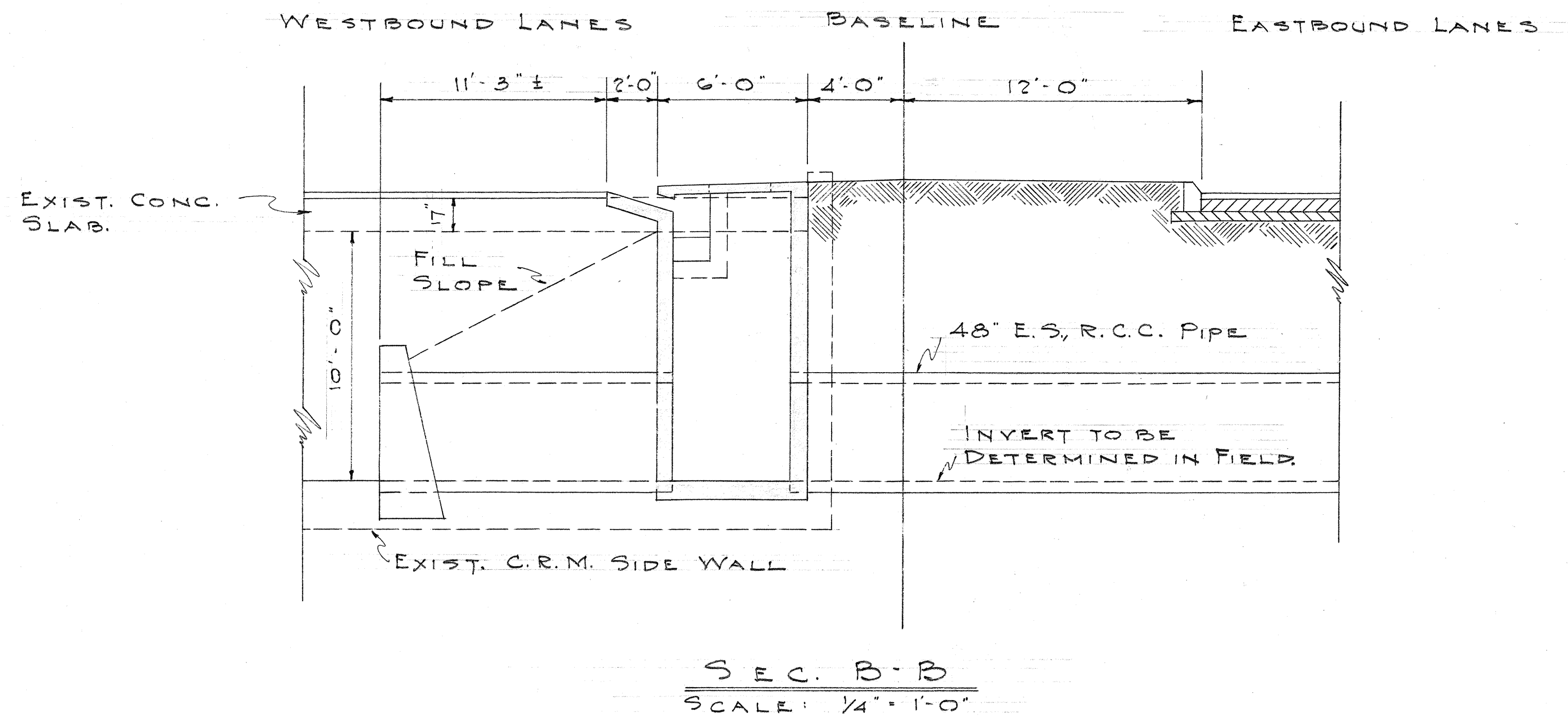
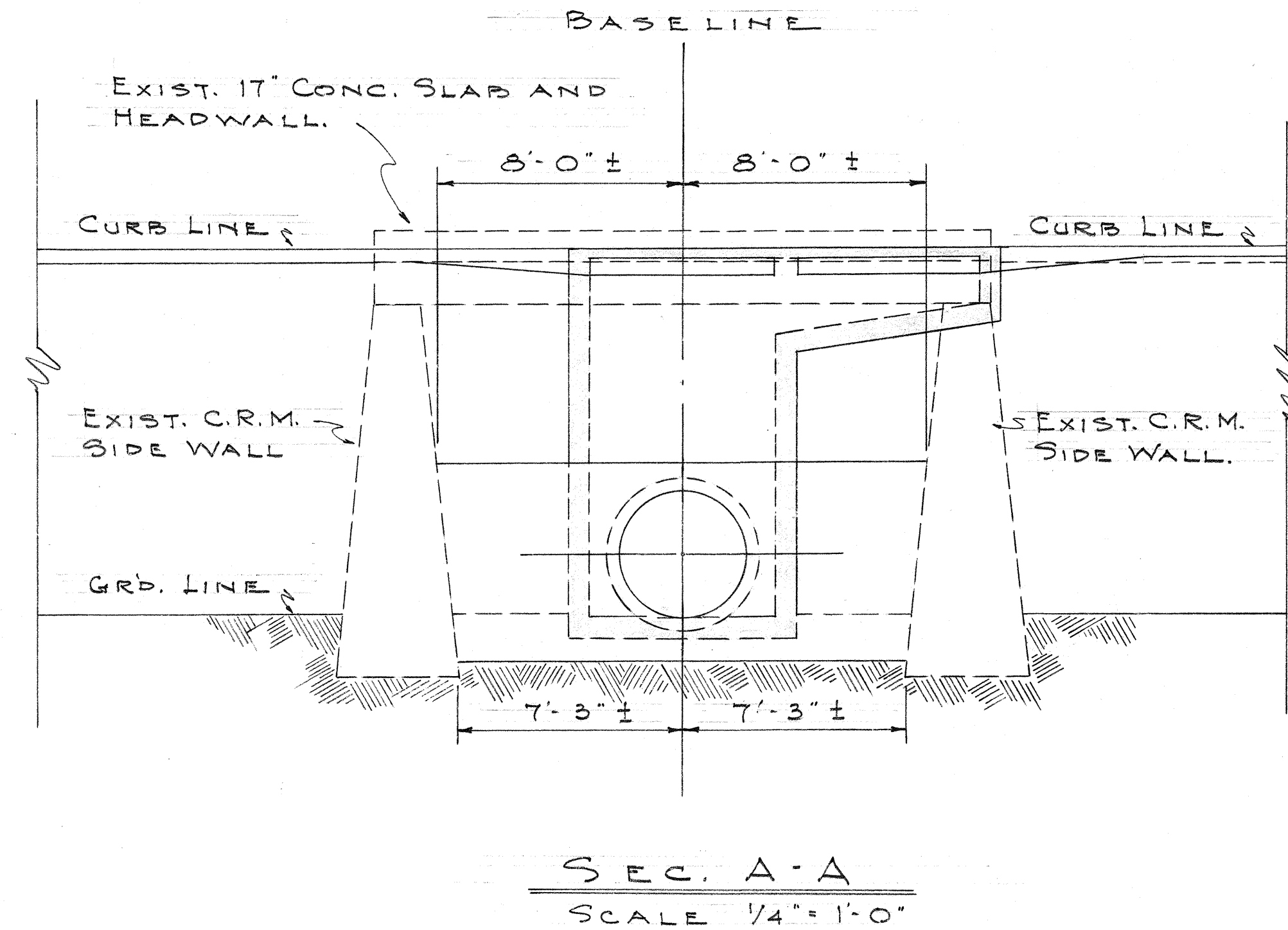
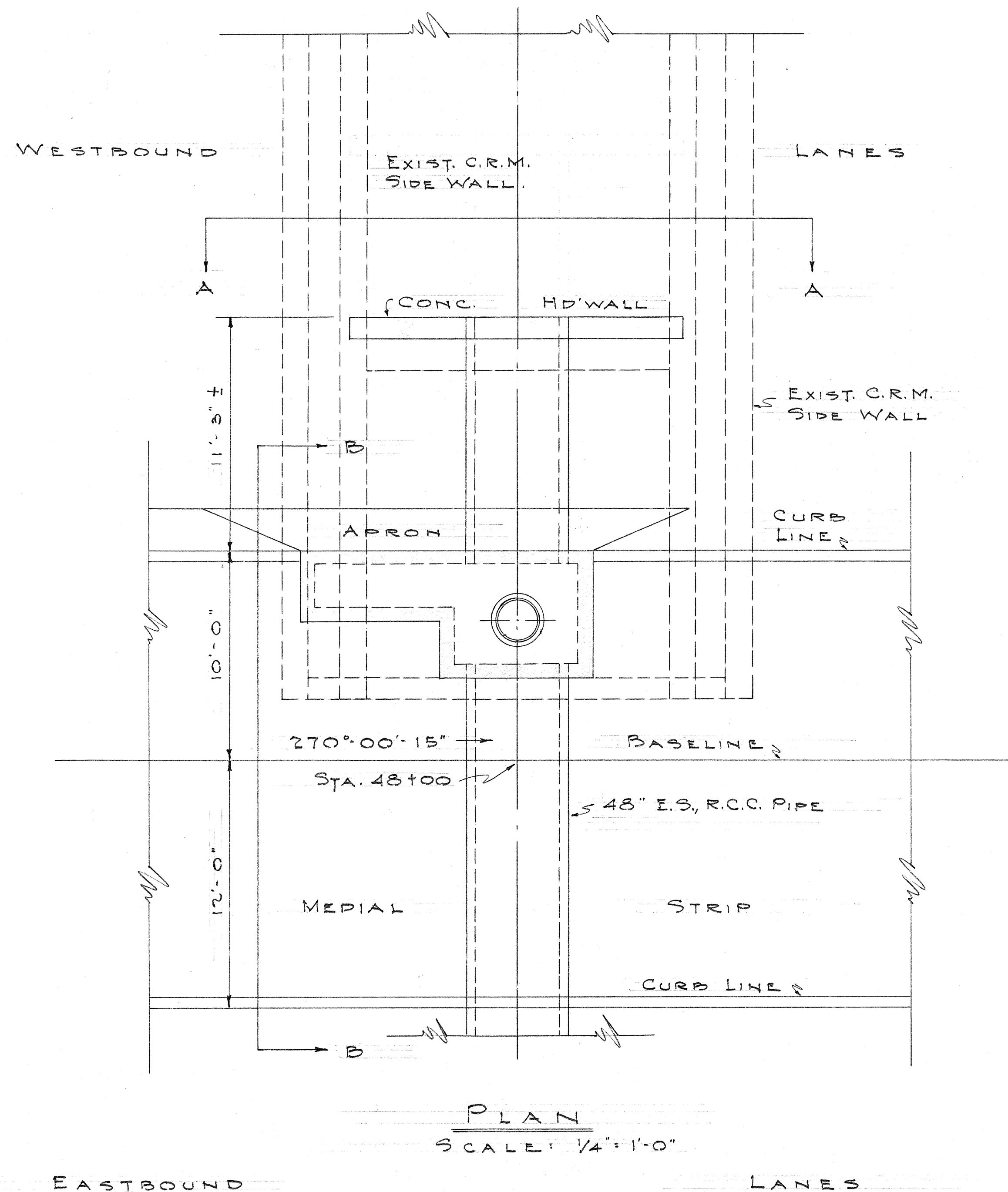
|                       |      |
|-----------------------|------|
| DESIGNED BY           | DATE |
| DRAWN BY              |      |
| CHECKED BY            |      |
| QUANTITIES CHECKED BY |      |
| NOTE BOOK NO.         |      |

# NOTES:

A PORTION OF THE EXIST. CONC. SLAB, HEAD WALL AND C.R.M. SIDE WALL TO BE REMOVED AS DIRECTED BY THE ENGINEER.

FOR DETAILS OF CATCH BASIN REFER TO STANDARD DETAIL SHEETS.

EXISTING C.R.M. WING WALLS ARE NOT SHOWN ON THIS DRAWING.



**TERRITORIAL HIGHWAY DEPARTMENT**  
 TERRITORY OF HAWAII  
 LOCATION DETAIL  
 OF  
**TYPE "C" CATCH BASIN**  
 STA. 48+00  
 KAAHUMANU AVE.  
 PROJ. NO. DF032-1(4)  
 SCALE: AS NOTED