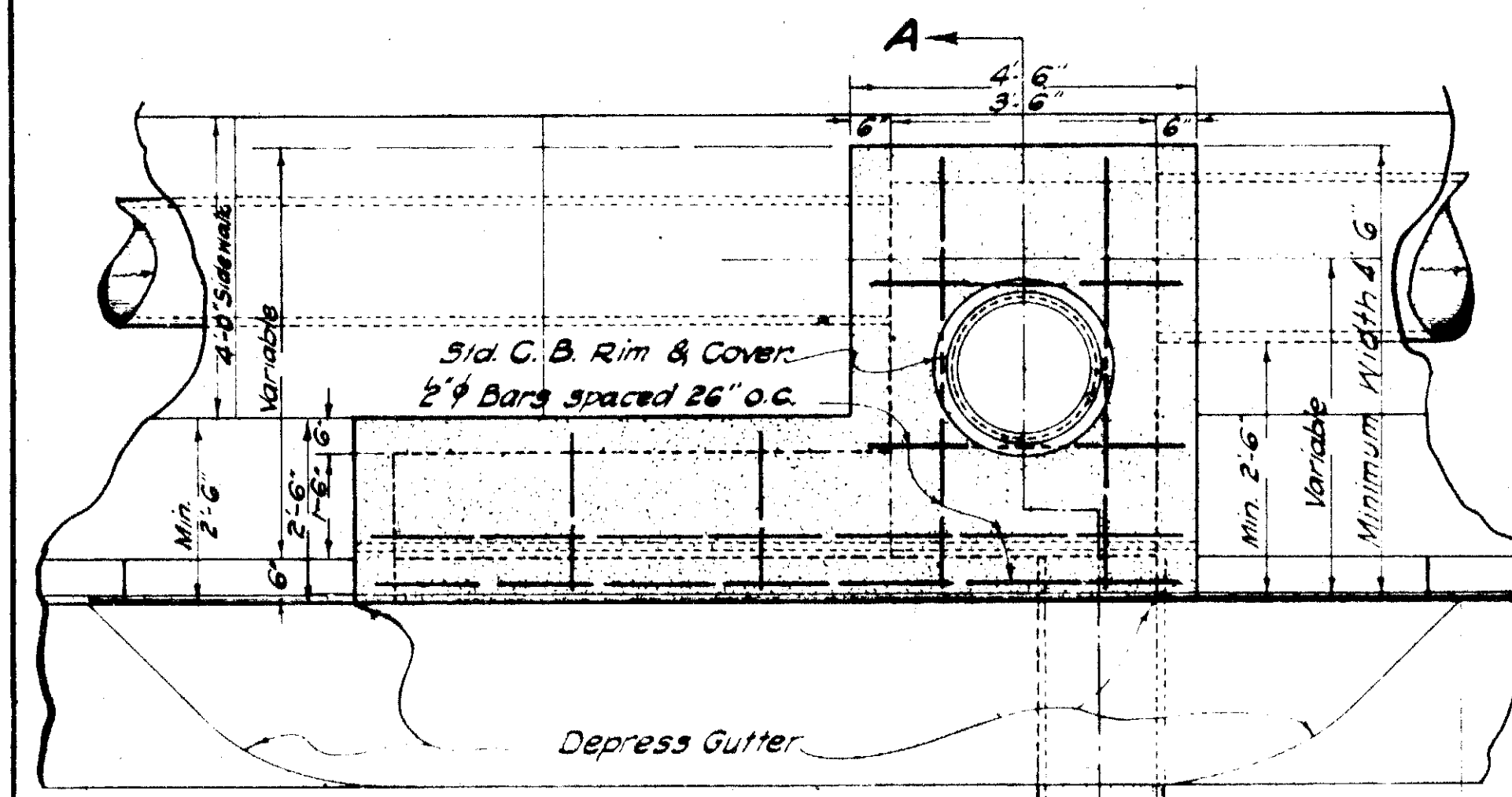
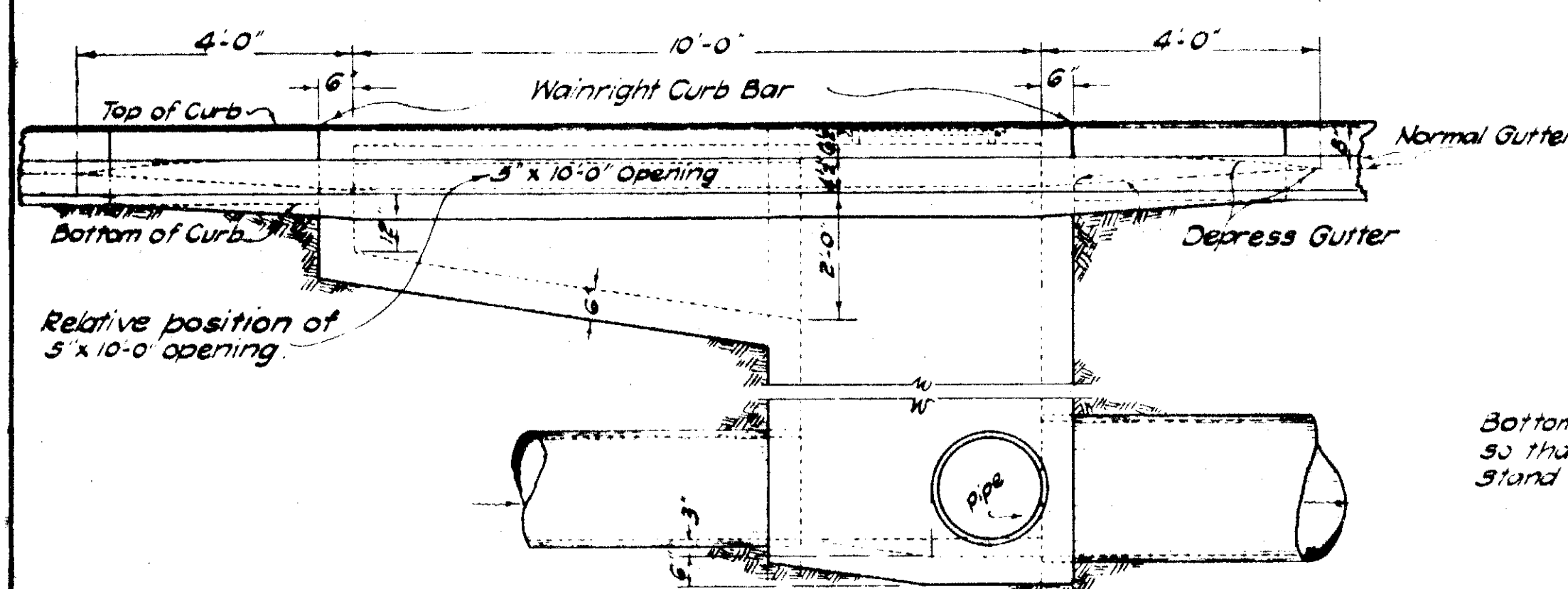
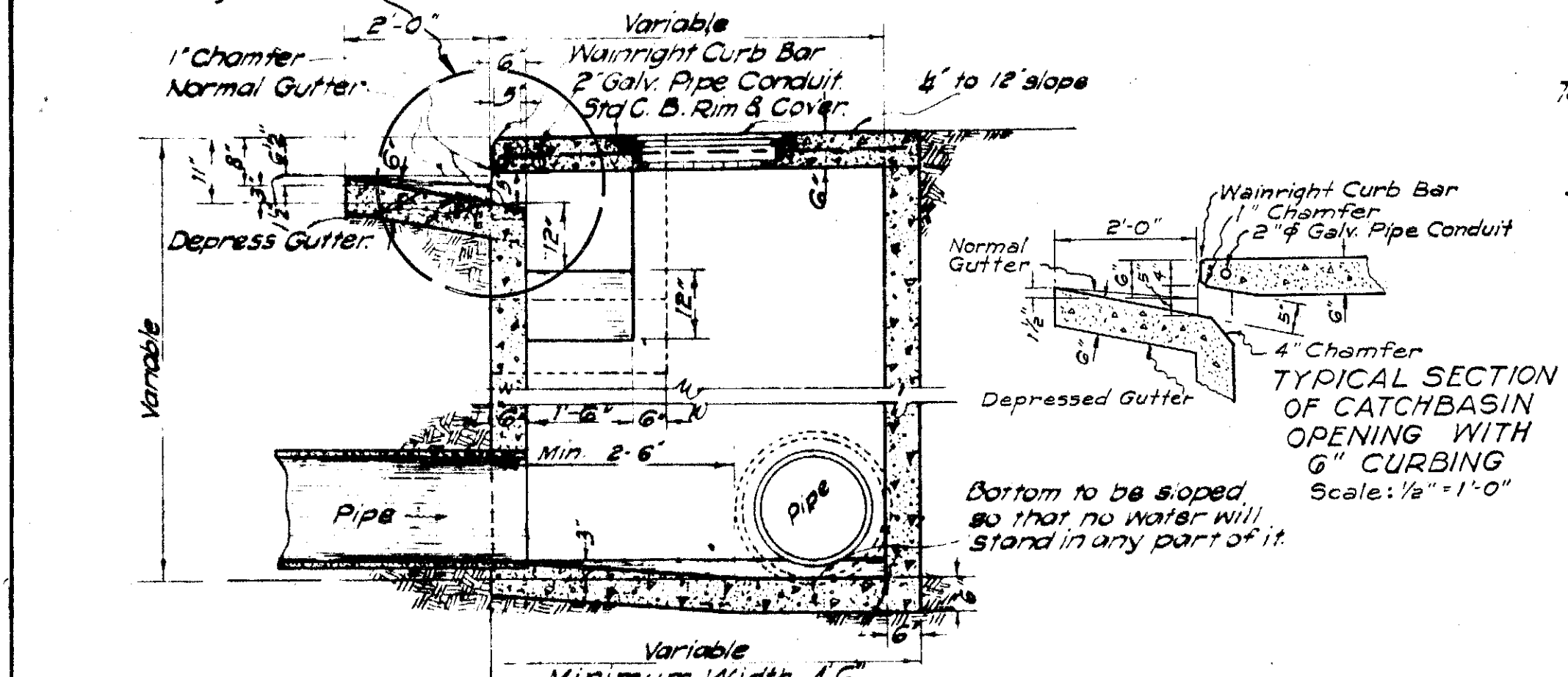




PLAN OF CATCHBASIN
Scale 2" = 1'-0"



FRONT ELEVATION OF CATCHBASIN
Scale 2" = 1'-0"

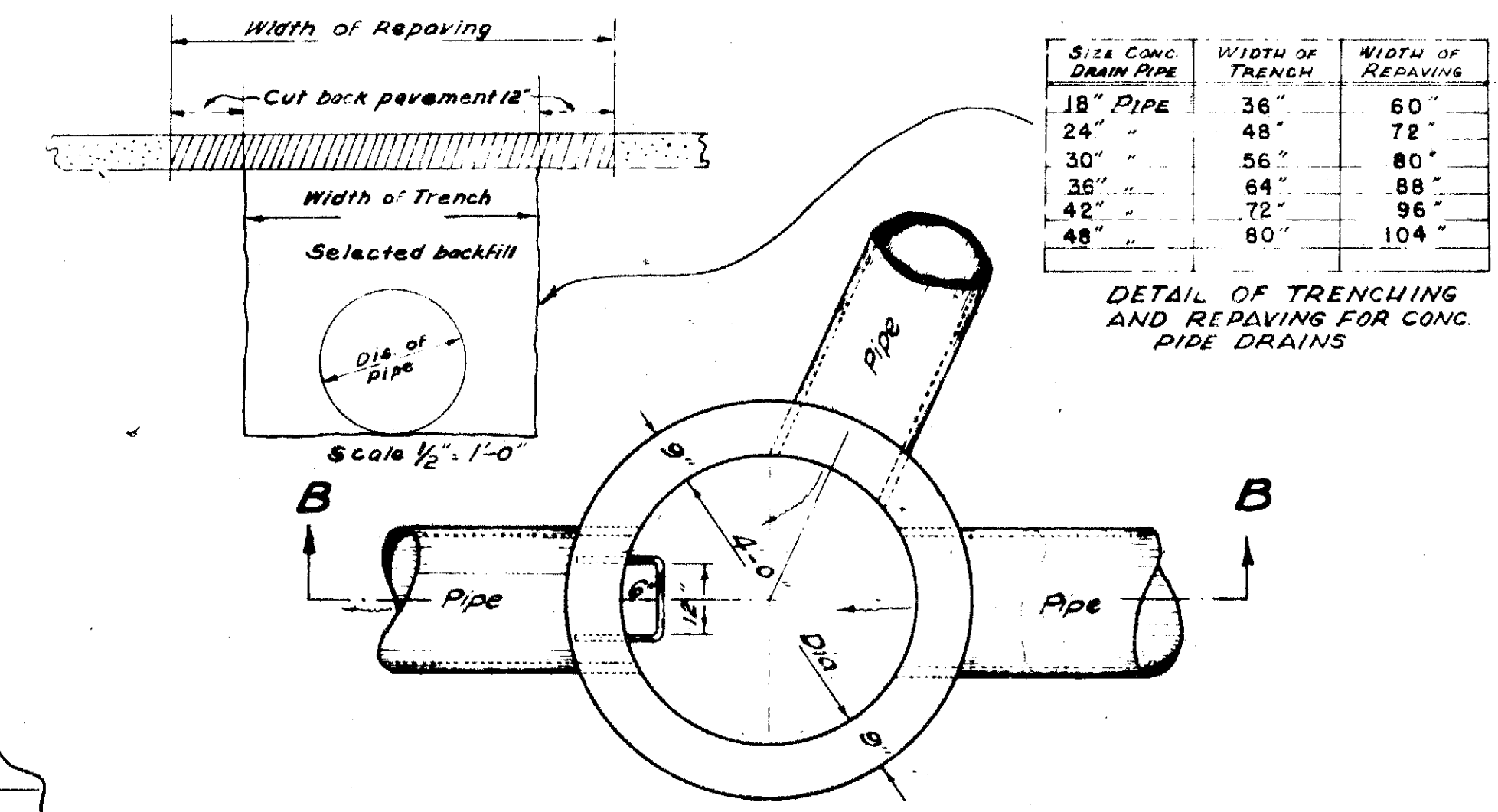


SECTION A-A OF CATCHBASIN
Scale 2" = 1'-0"

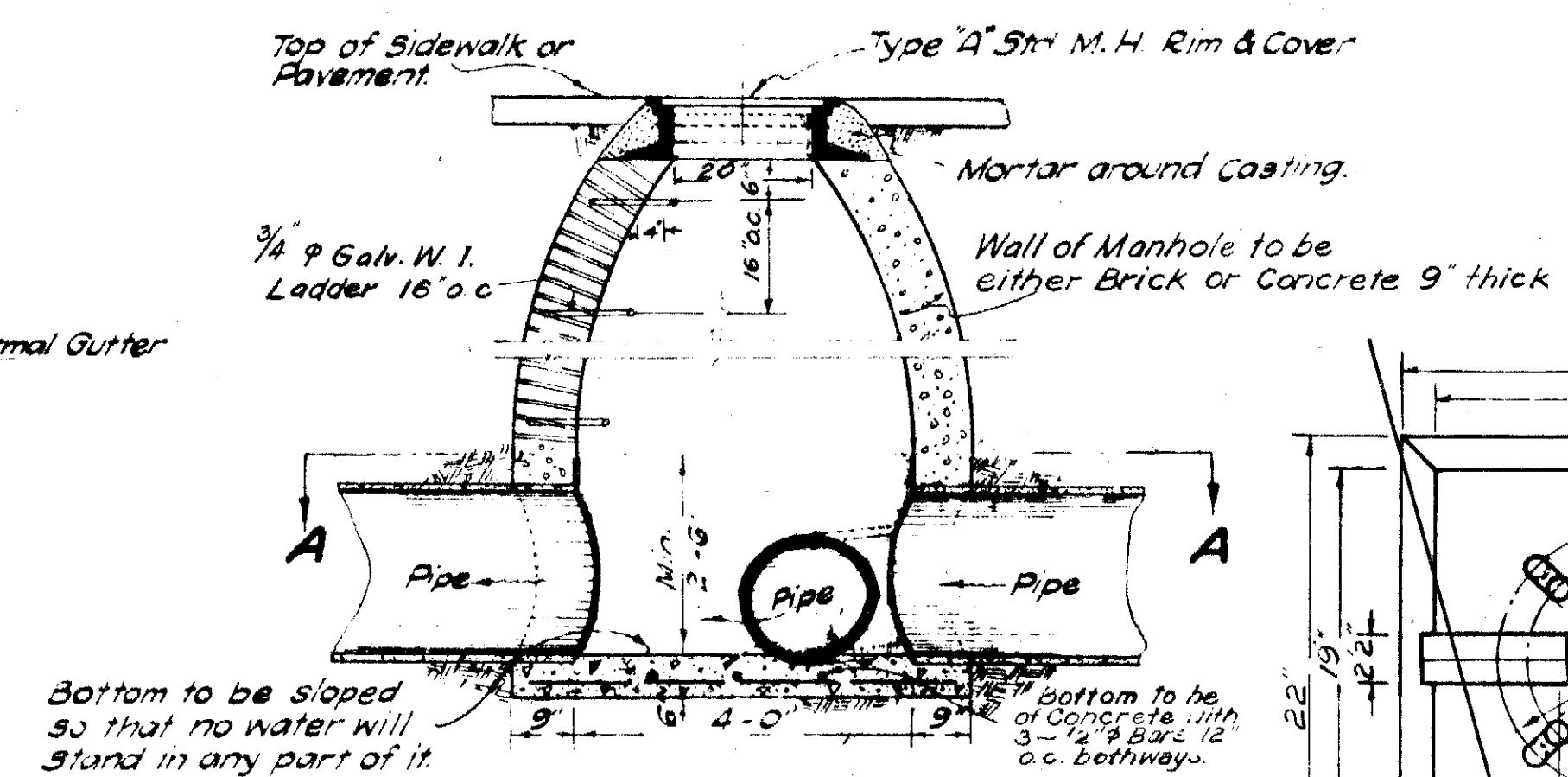
Note:
Provide 1" Galv. W. I. Ladder
Rungs in all catchbasins over
4' deep. Space rungs 16" o.c.

DETAIL-3/4 GENUINE WROUGHT IRON RUNGS
Scale 1" = 1'-0"

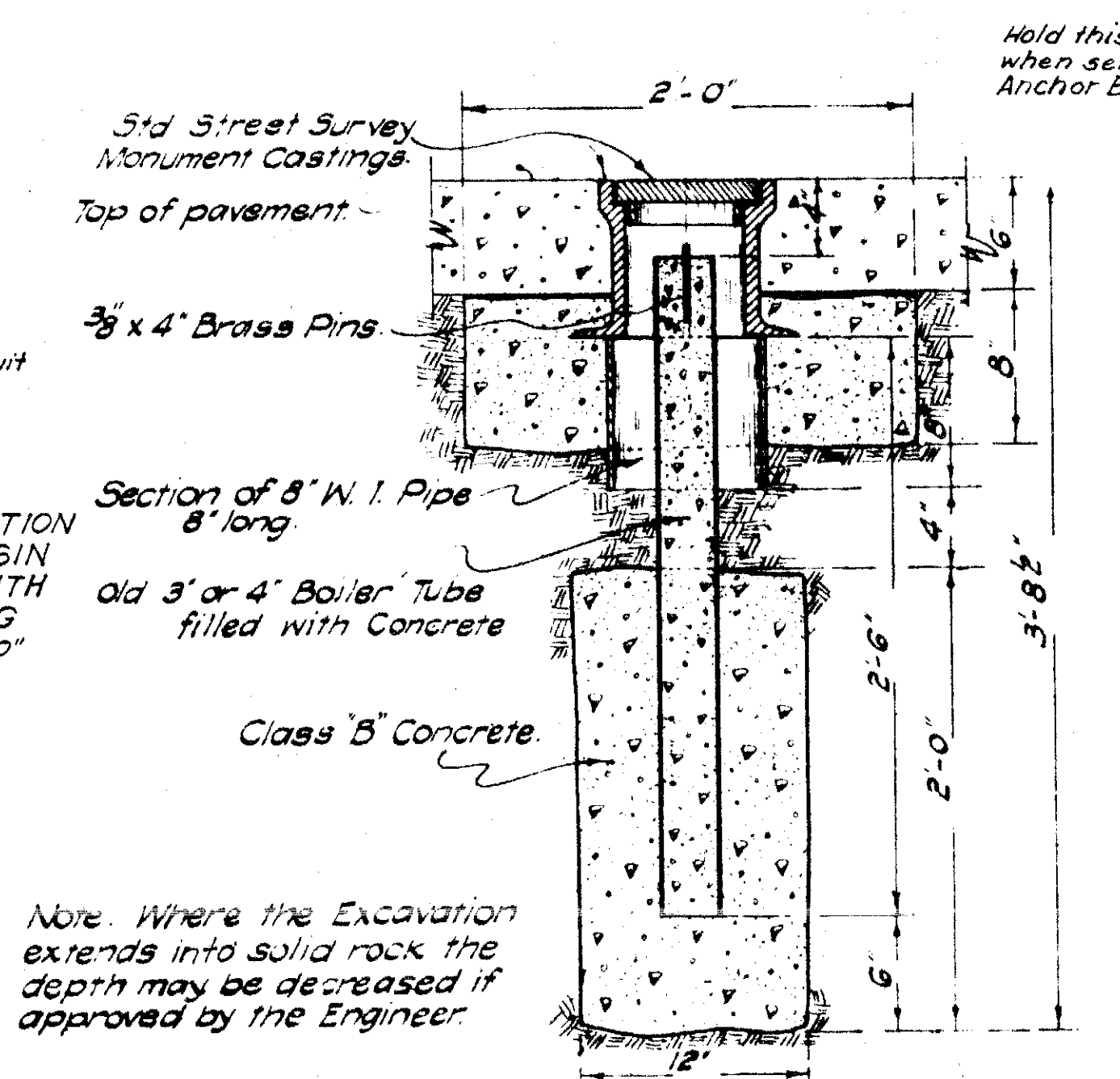
Rungs to be genuine Wrought Iron and shall be
hot-dip galvanized or Cadmium plated after bending



PLAN SECTION A-A
STORM DRAIN MANHOLE
Scale 2" = 1'-0"

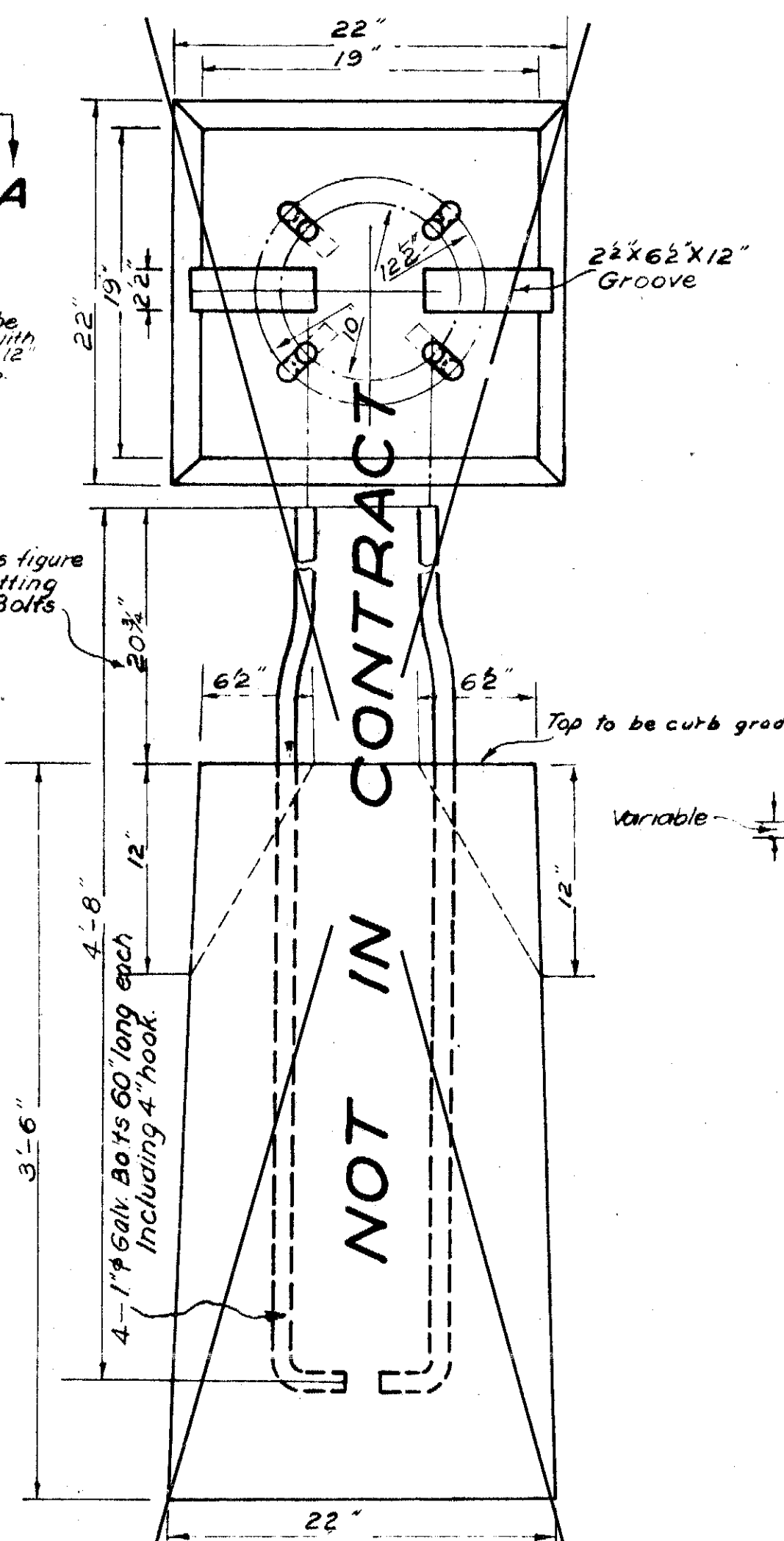


SECTION B-B OF STORM DRAIN
MANHOLE
Scale 2" = 1'-0"



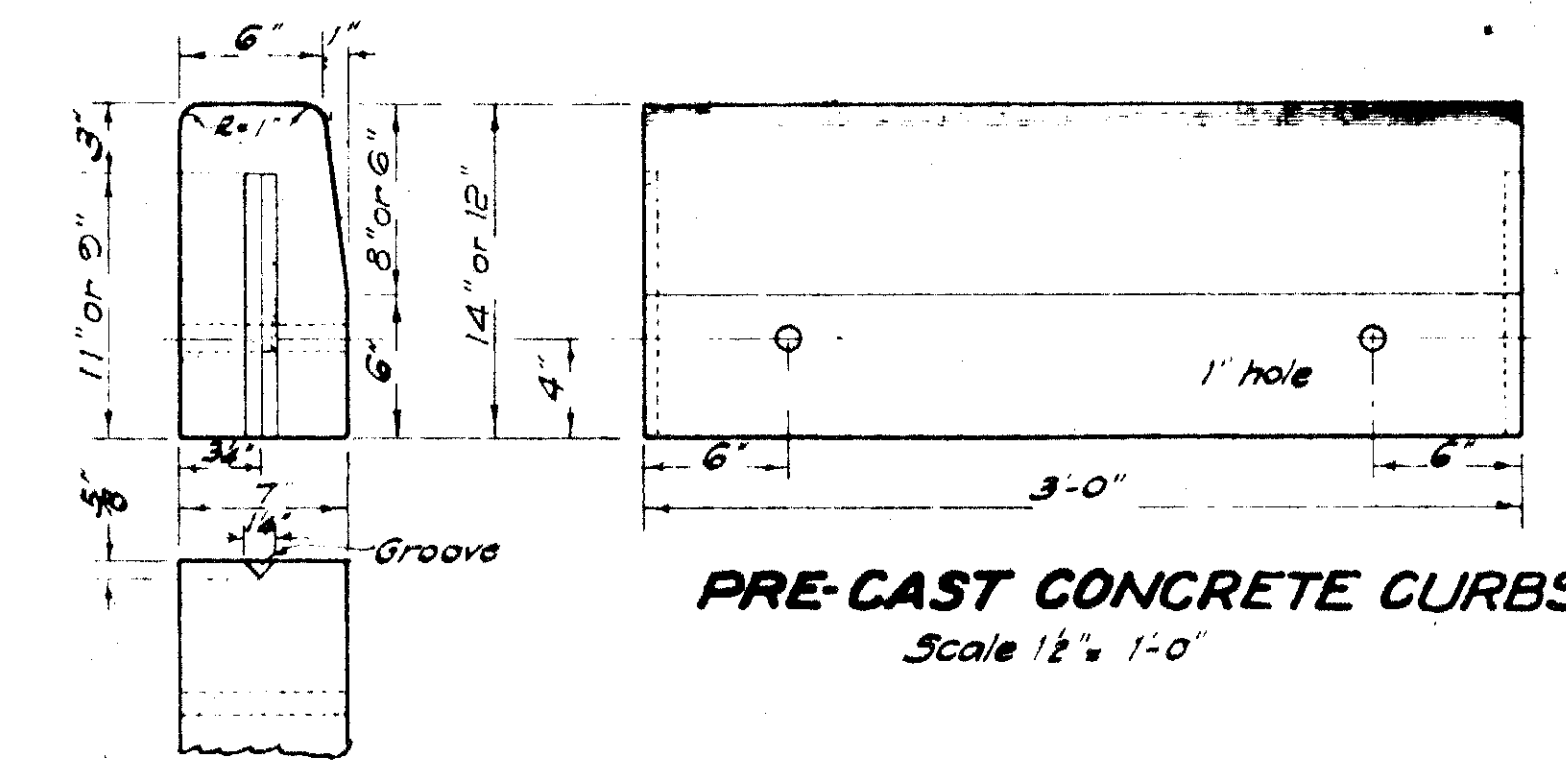
DETAIL OF STREET SURVEY
MONUMENT
Scale 1/2" = 1'-0"

Note: Where the Excavation
extends into solid rock the
depth may be decreased if
approved by the Engineer.

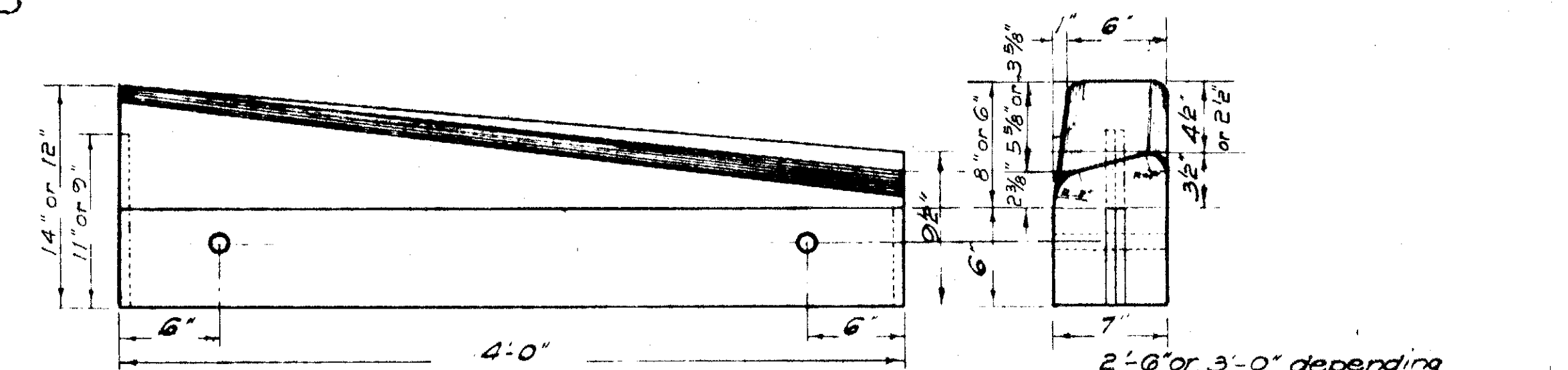


CONC. BLOCK FOUNDATION
FOR U.M. STEEL LIGHTING
STANDARD
Scale 1/2" = 1'-0"

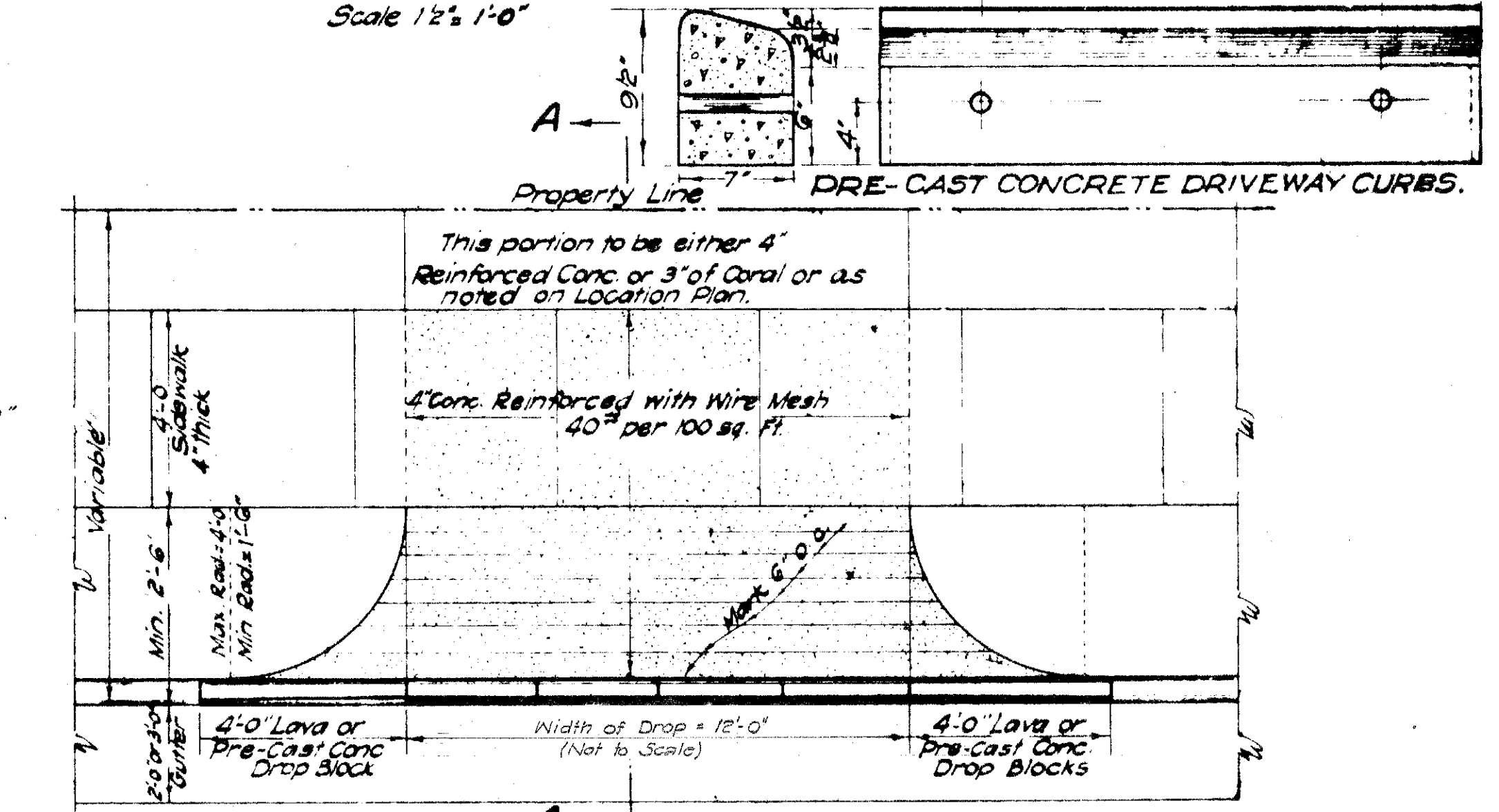
NOT IN CONTRACT



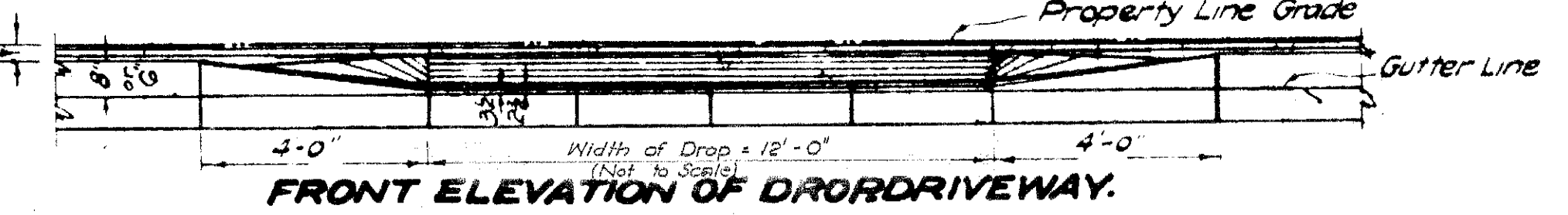
PRE-CAST CONCRETE CURBS
Scale 1/2" = 1'-0"



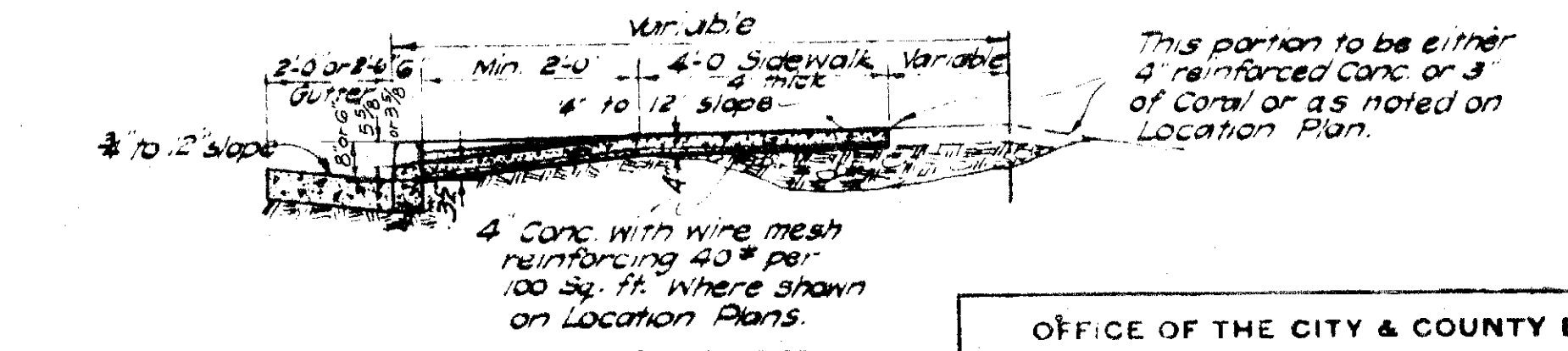
PRE-CAST CONCRETE DROP CURB BLOCK
Scale 1/2" = 1'-0"



PLAN OF DROP DRIVEWAY
Scale 2" = 1'-0"



FRONT ELEVATION OF DROP DRIVEWAY
Scale 2" = 1'-0"



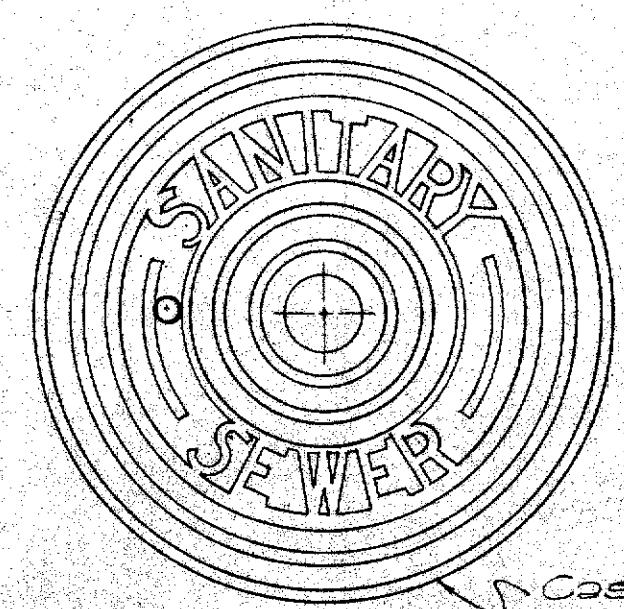
SECTION A-A OF
DROP DRIVEWAY
Scale 2" = 1'-0"

OFFICE OF THE CITY & COUNTY ENGINEER
HONOLULU, HAWAII
BUREAU OF PLANS

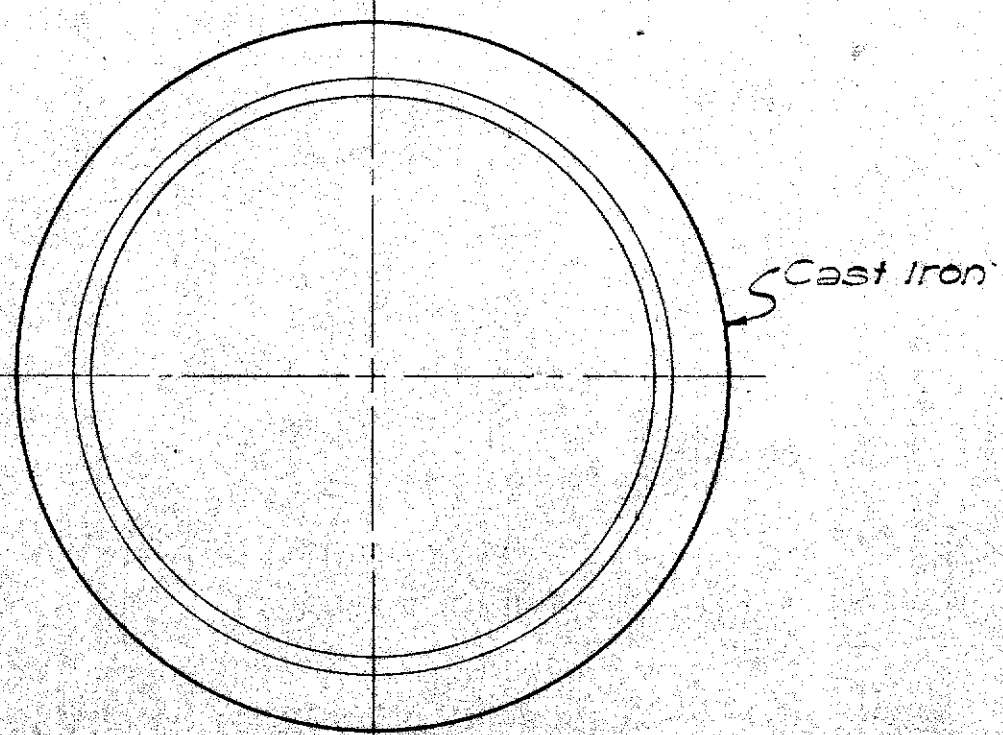
MISCELLANEOUS STANDARD DETAILS

ENGINEER: M. A. B. DATE: 11/1/51
DRAFTSMAN: M. A. B. CHECKED BY: J. S. Bush
SCALE: As Noted APPROVED: J. S. Bush
ENGINEER - BUREAU OF PLANS

APPROVED: J. S. Bush
CHIEF ENGINEER

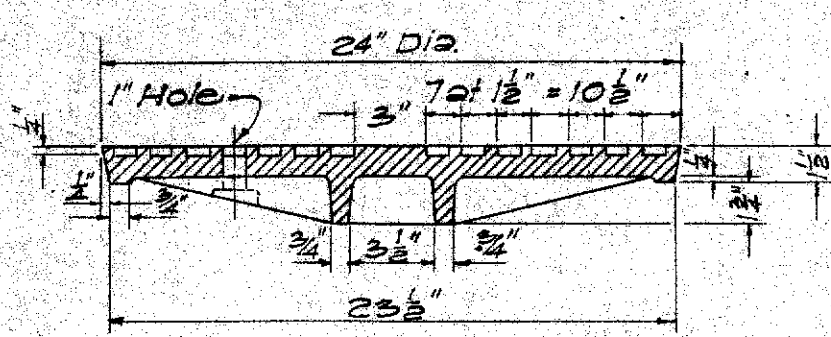


NOTE:
The Cover for Water Manhole shall be the same as for Sanitary Sewer except that the word "WATER" shall be substituted for "SANITARY SEWER". The frames for Sanitary Sewer and Water Covers shall be the same.

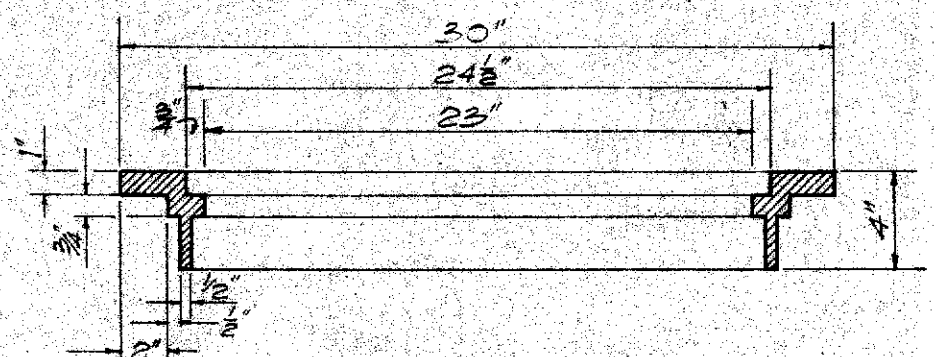


TOP VIEW OF COVER

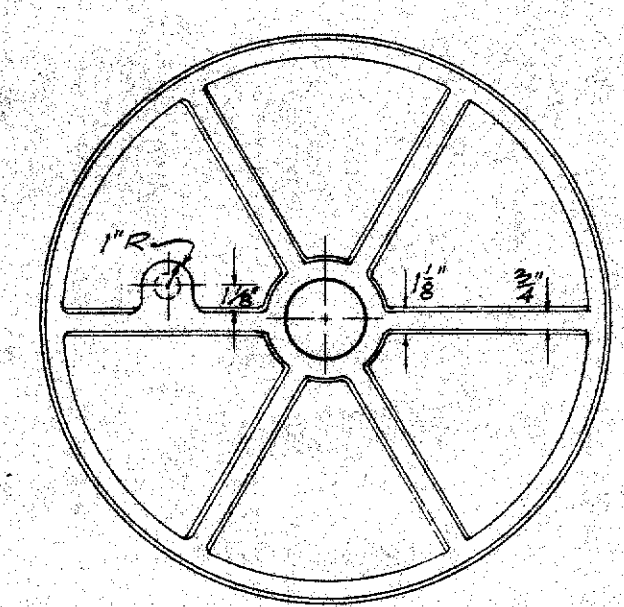
PLAN OF RIM



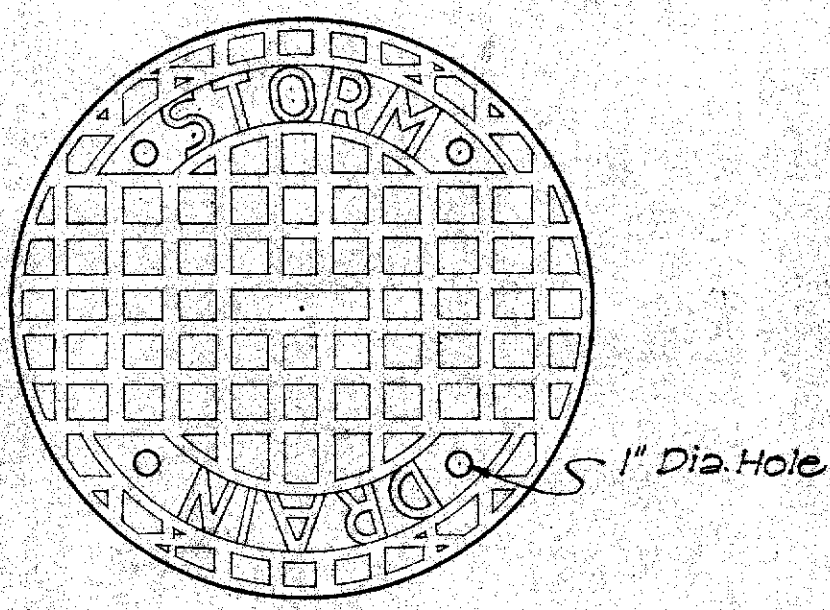
SECTION



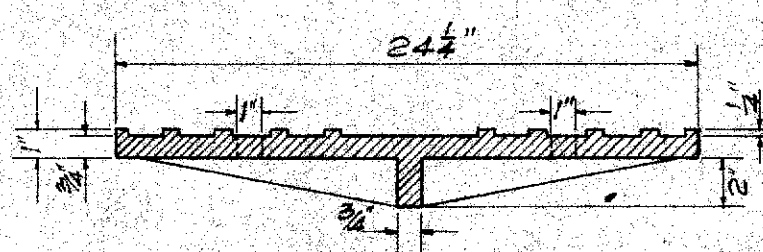
SECTION OF RIM



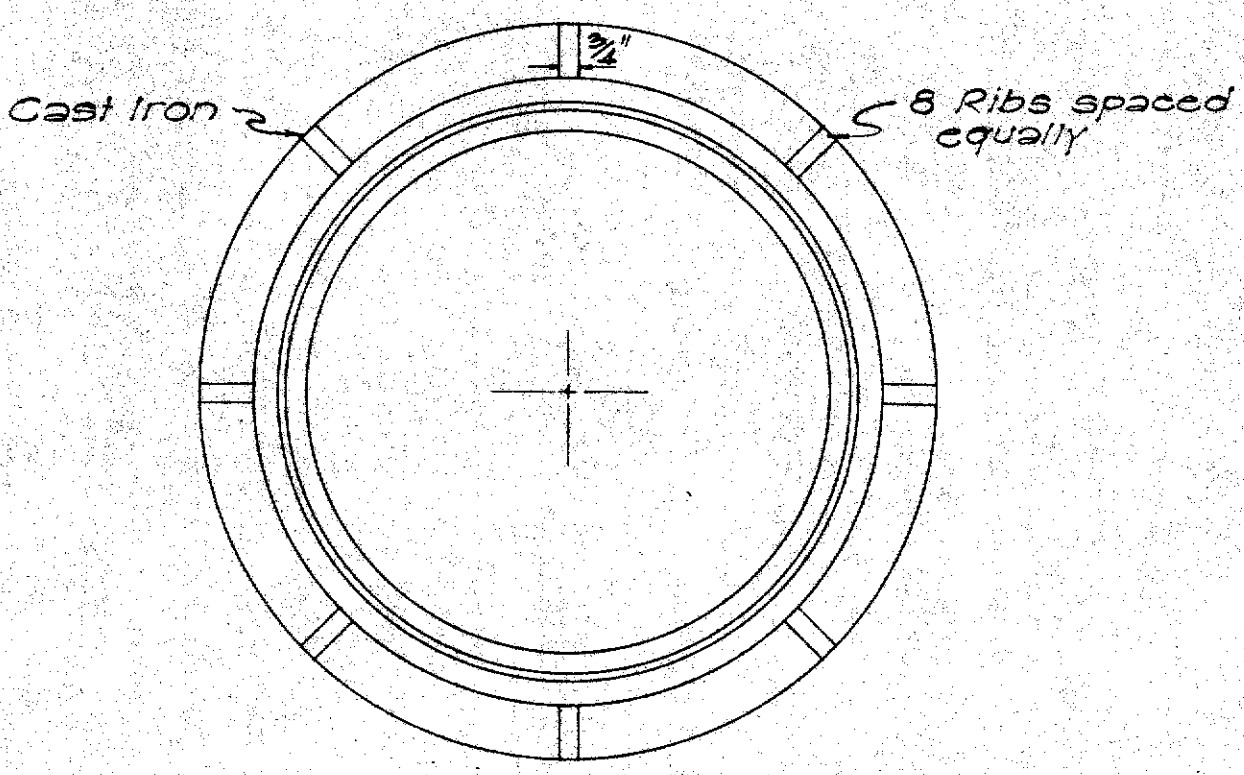
BOTTOM VIEW OF COVER



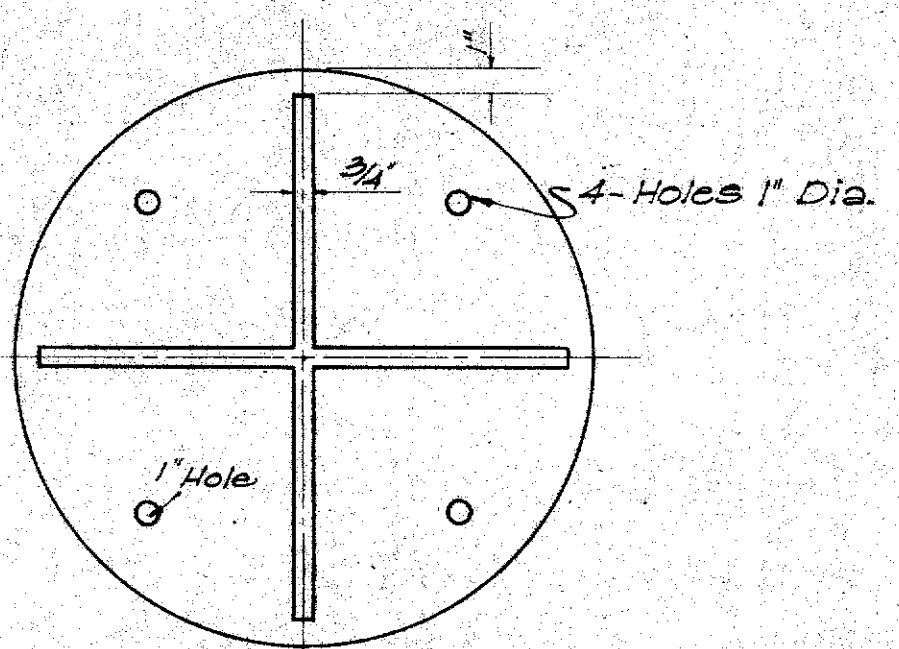
TOP VIEW OF COVER



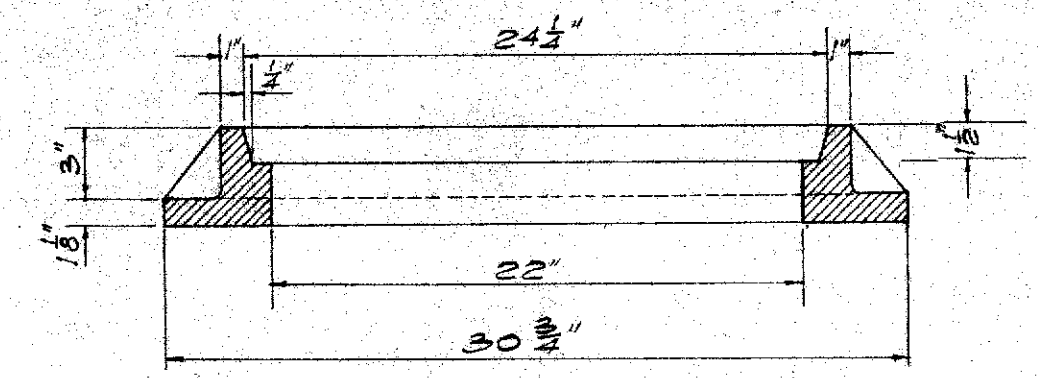
SECTION



PLAN OF RIM

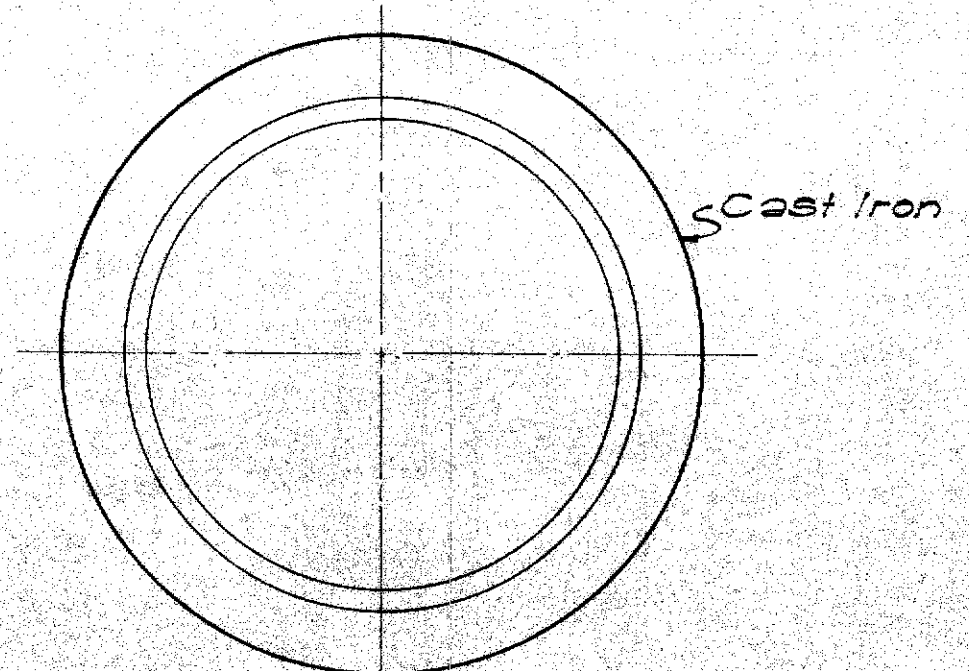


BOTTOM VIEW OF COVER

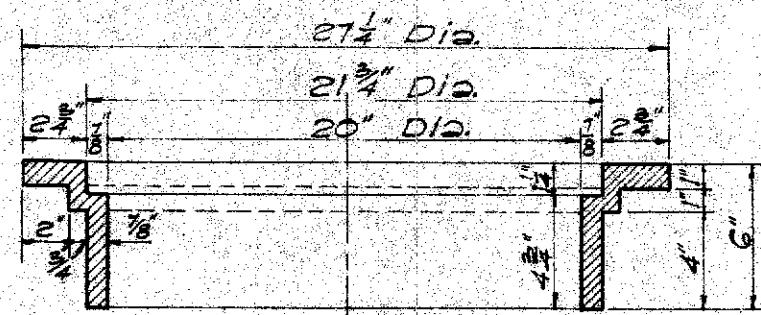


SECTION OF RIM
DETAILS OF TYPE "C"
MANHOLE CASTINGS
SCALE: 1-1/2" = 1'-0"

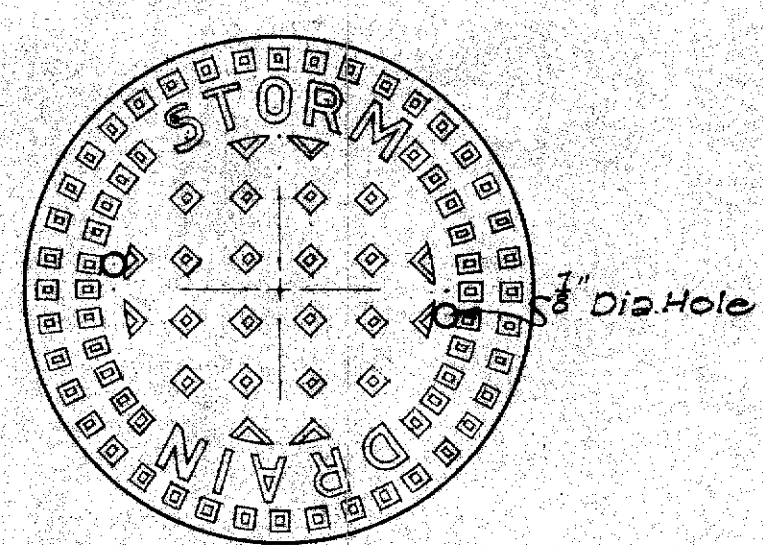
DETAILS OF TYPE "B"
CATCH BASIN CASTINGS
SCALE: 1-1/2" = 1'-0"



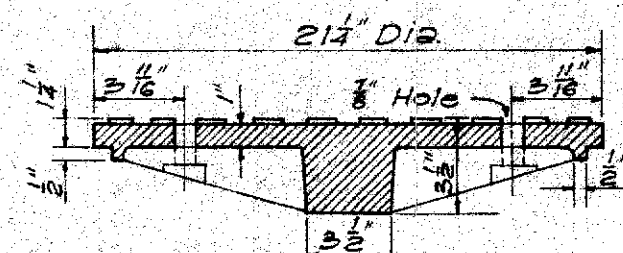
PLAN OF RIM



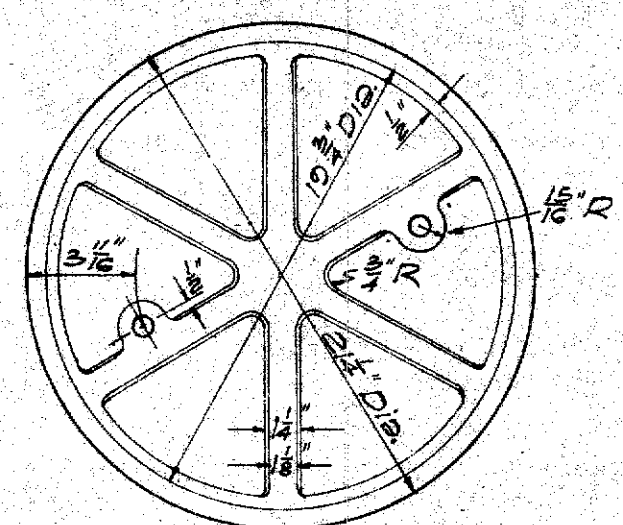
SECTION OF RIM



TOP VIEW OF COVER

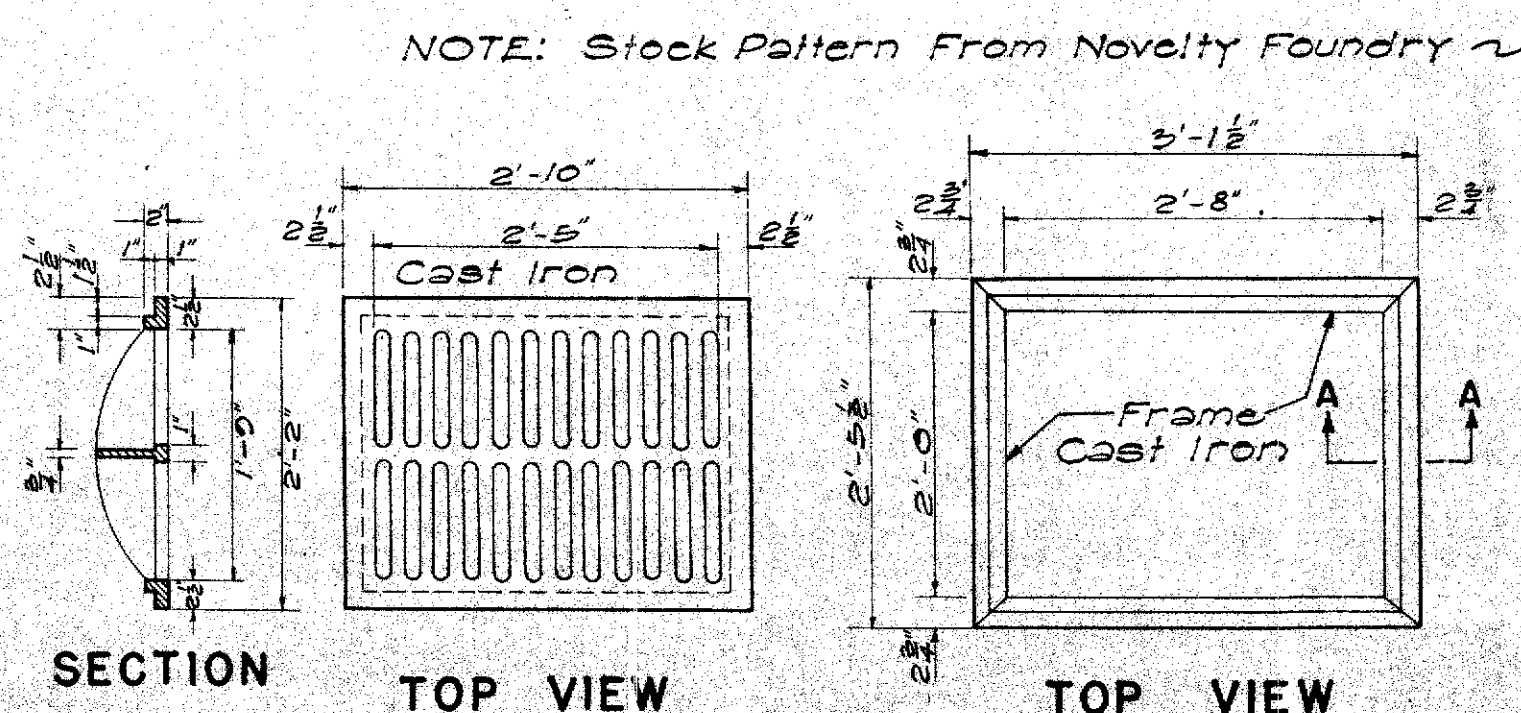


SECTION

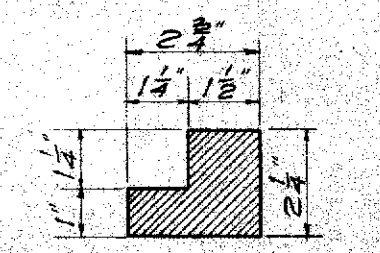


BOTTOM VIEW OF COVER

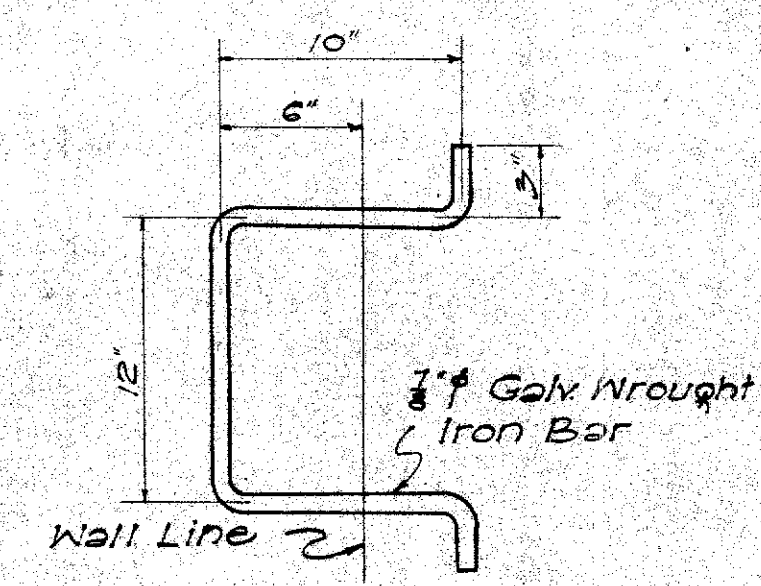
DETAILS OF TYPE "A"
MANHOLE CASTINGS
SCALE: 1-1/2" = 1'-0"



SECTION TOP VIEW TOP VIEW
TYPE C C.I. FRAME AND GRATING
SCALE: 3/4" = 1'-0"



SECTION "A-A"
SCALE 3" = 1'-0"



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

SURVEY PLOTTED BY: DATE: _____
DRAWN BY: _____
CHECKED BY: _____
ORIGINAL PLAN: _____
NOTE BOOK: _____
QUANTITIES BY: _____
No. _____

APPROVED: _____ DATE: 6-22-53
TERRITORIAL HIGHWAY ENGINEER

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
STANDARD DETAILS
CATCH BASIN AND
MANHOLE CASTINGS
SCALES AS NOTED