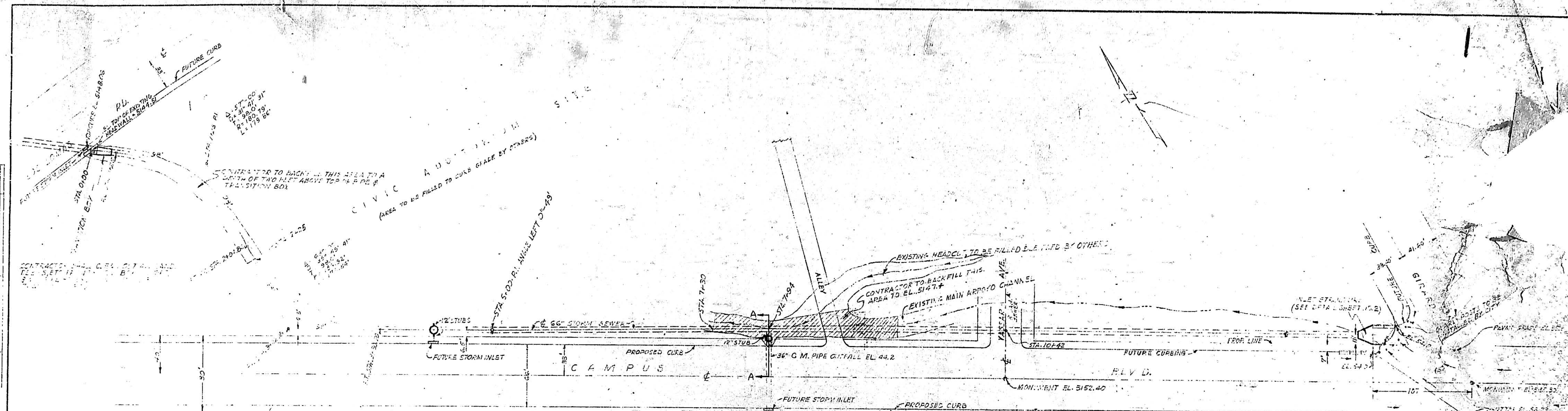
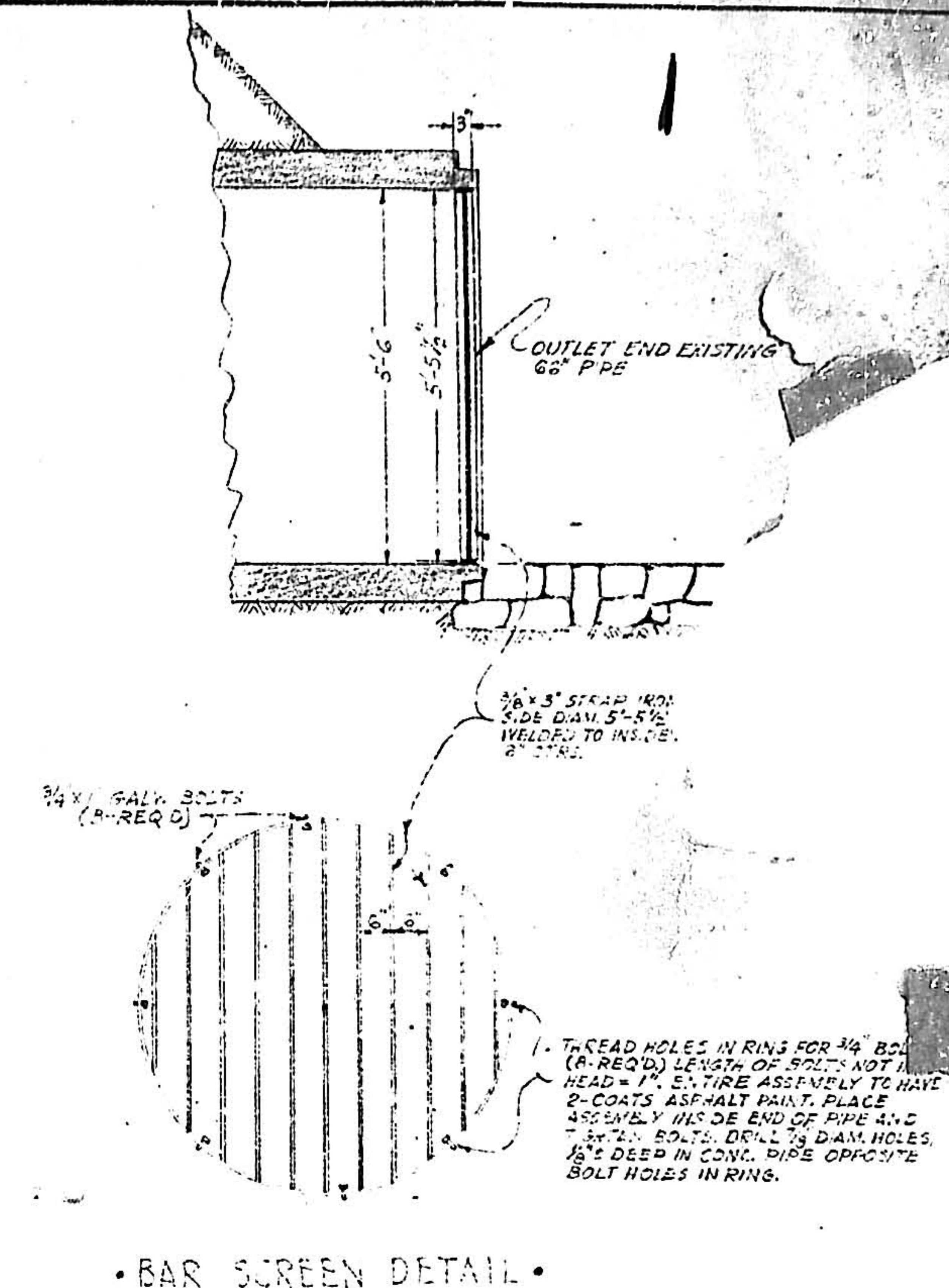
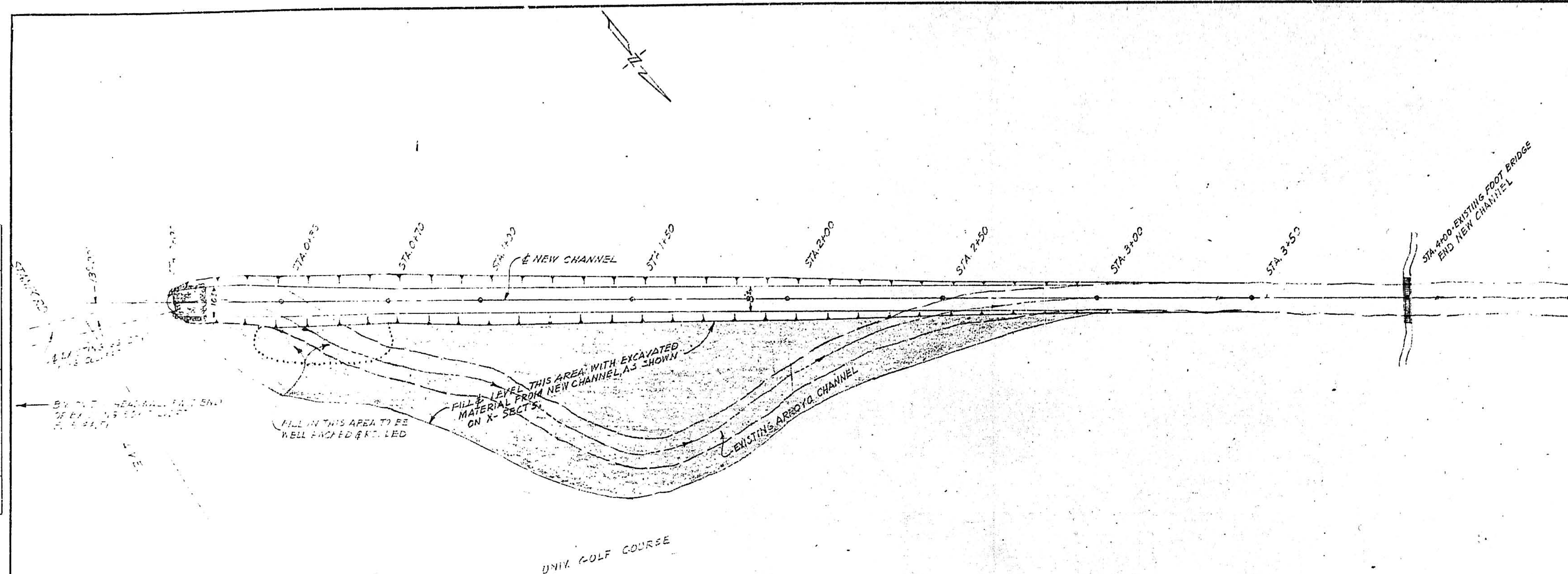




PLAN		BY		DATE	
DESIGNED	NOTED	DATE	BY	DATE	BY
CHECKED	NOTED	DATE	BY	DATE	BY
NOTED	NOTED	DATE	BY	DATE	BY
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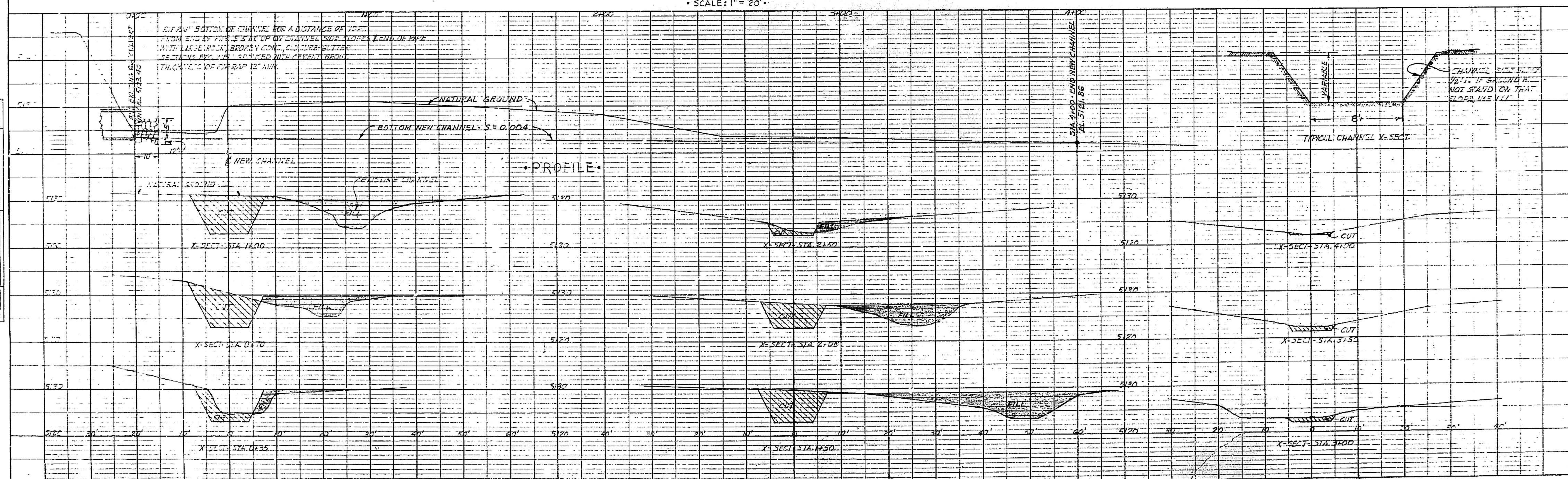


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08	51	3	02	51											02														

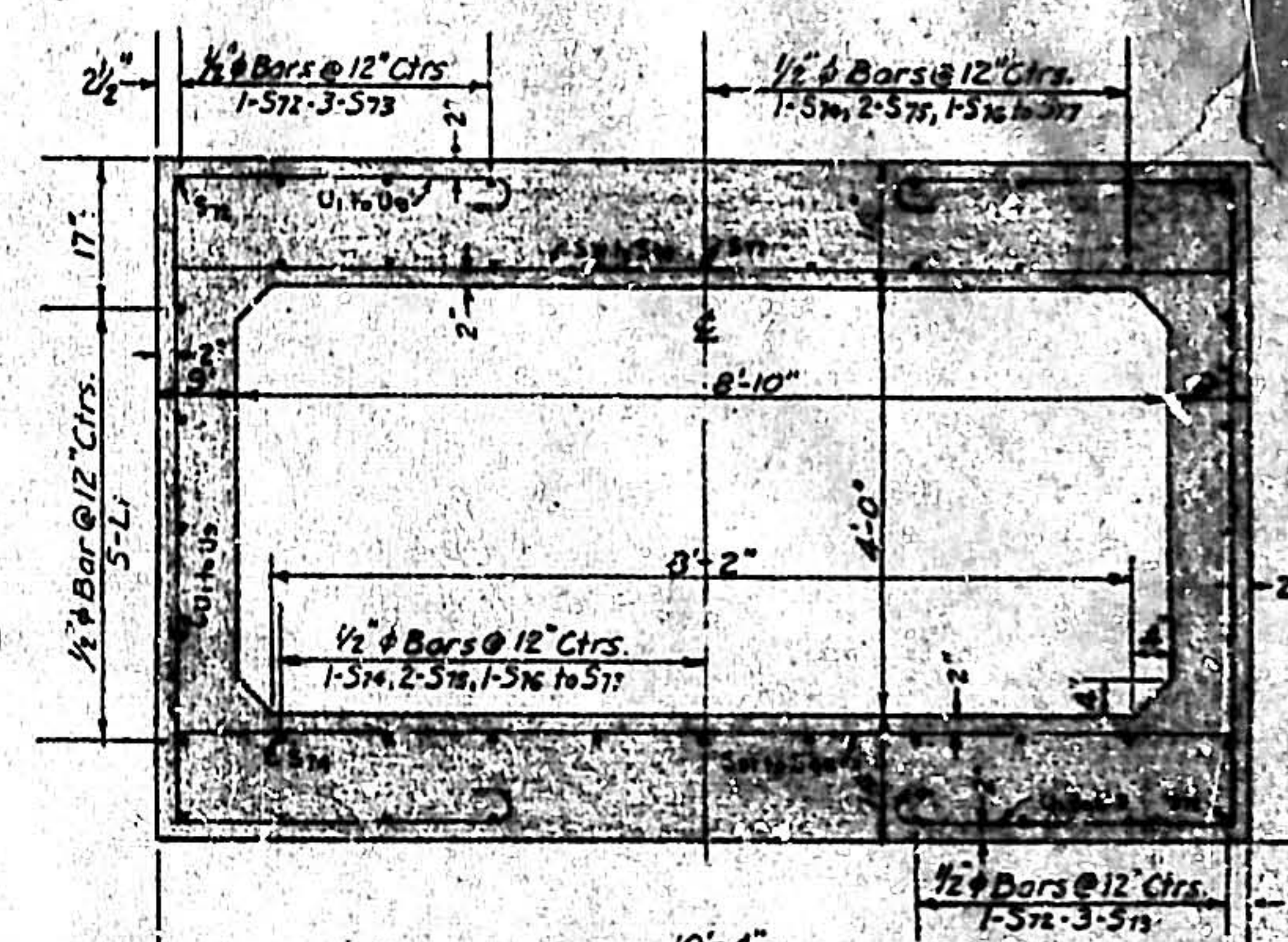
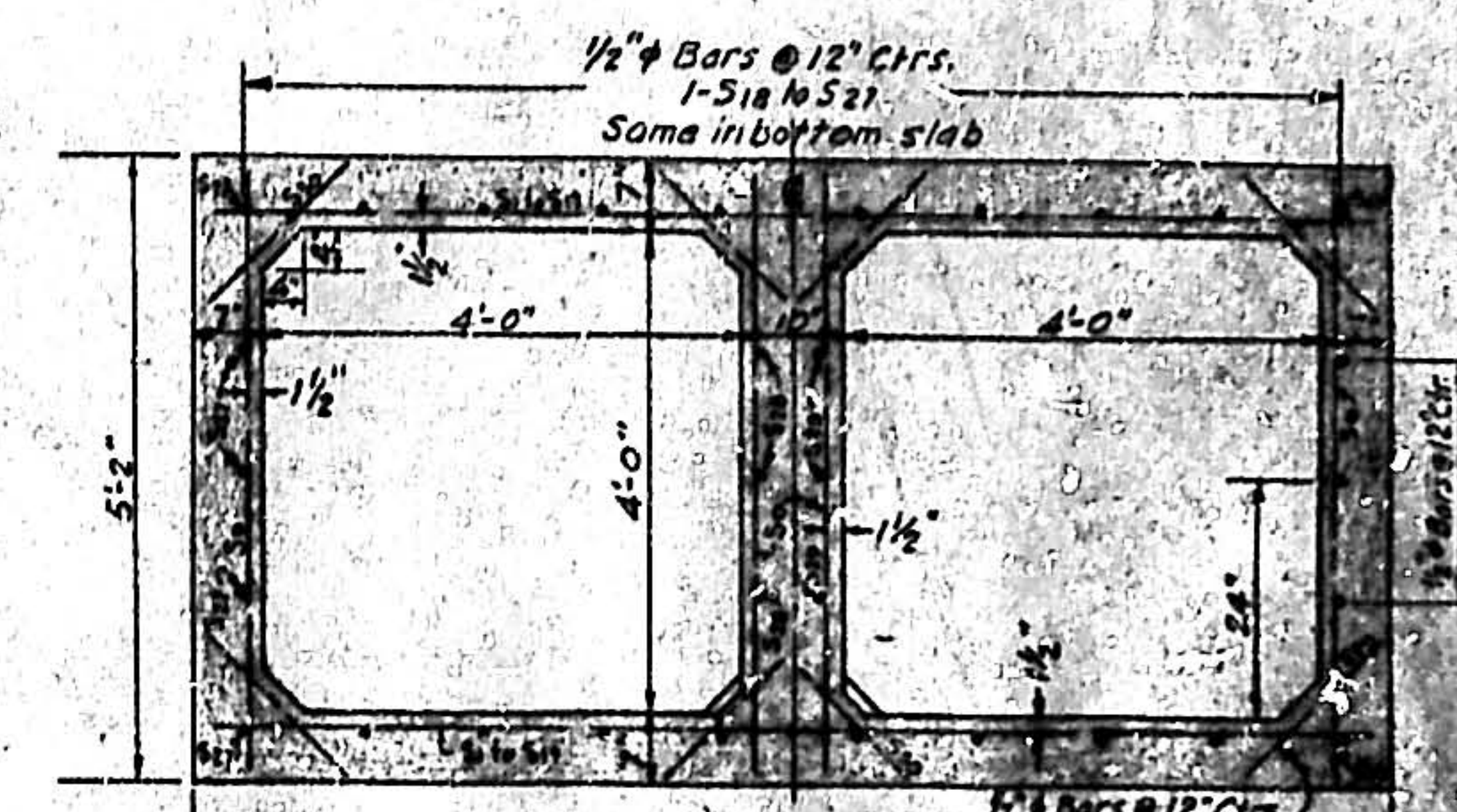
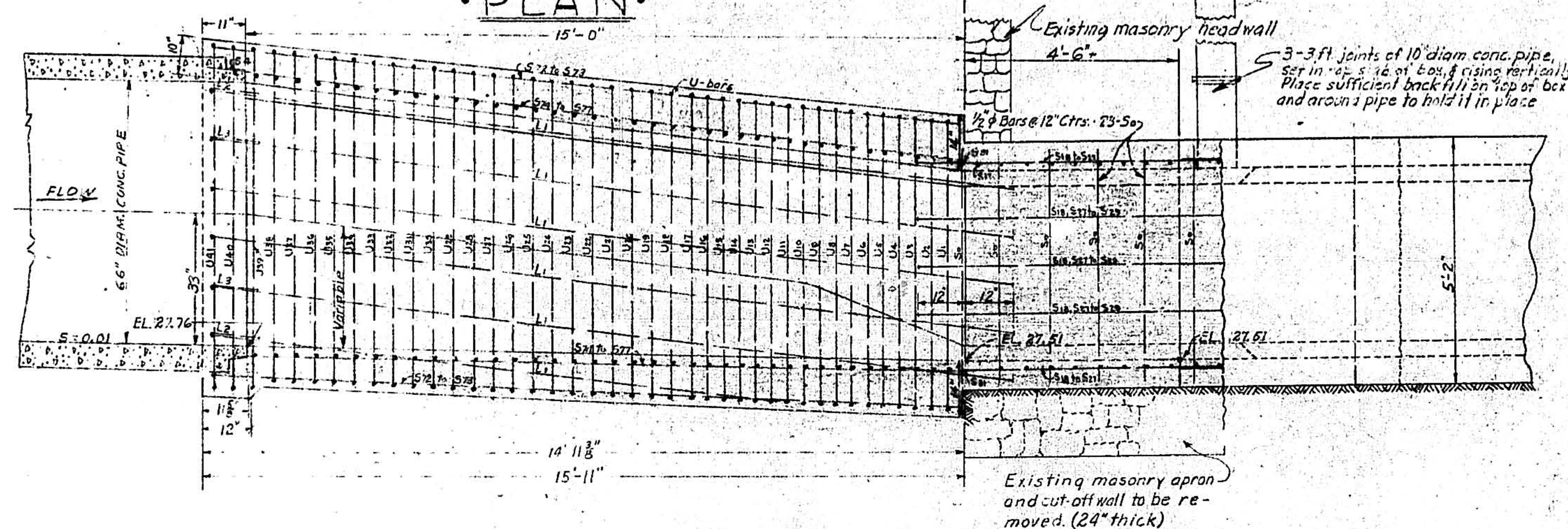
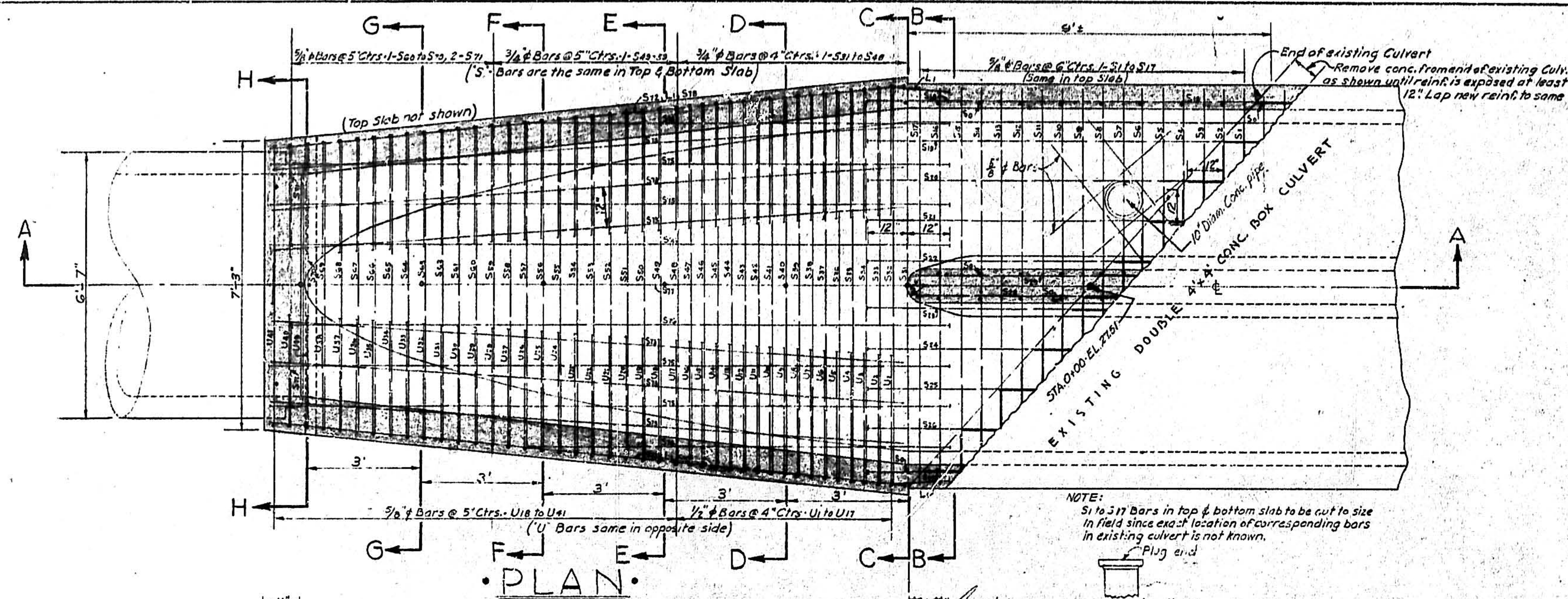
• PLAN •

• SCALE: 1" = 20' •

PROFILE		BY		DATE	
DESIGNED	NOTED	DATE	BY	DATE	BY
CHECKED	NOTED	DATE	BY	DATE	BY
NOTED	NOTED	DATE	BY	DATE	BY
NO	NO	NO	NO	NO	NO



• PROFILE •

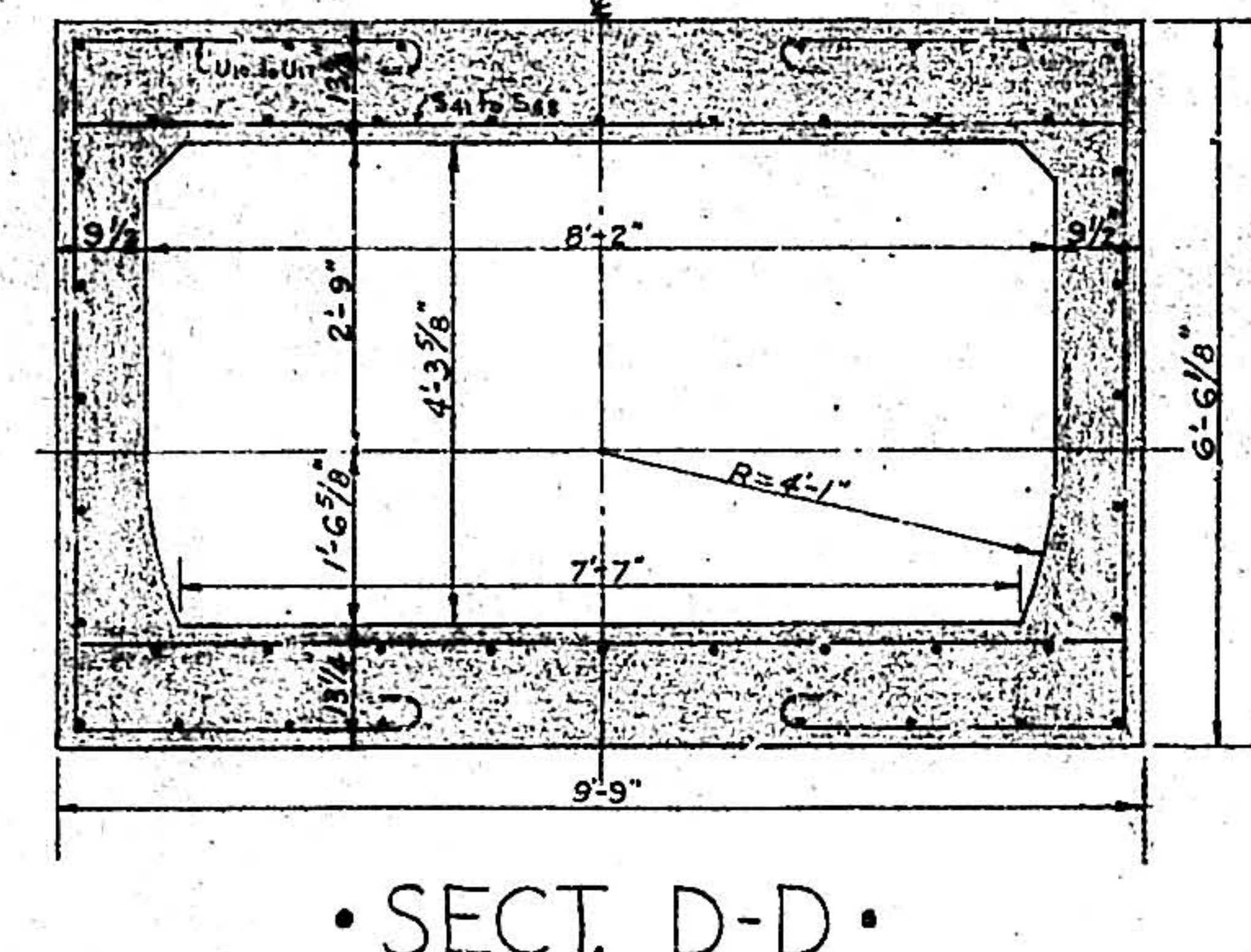
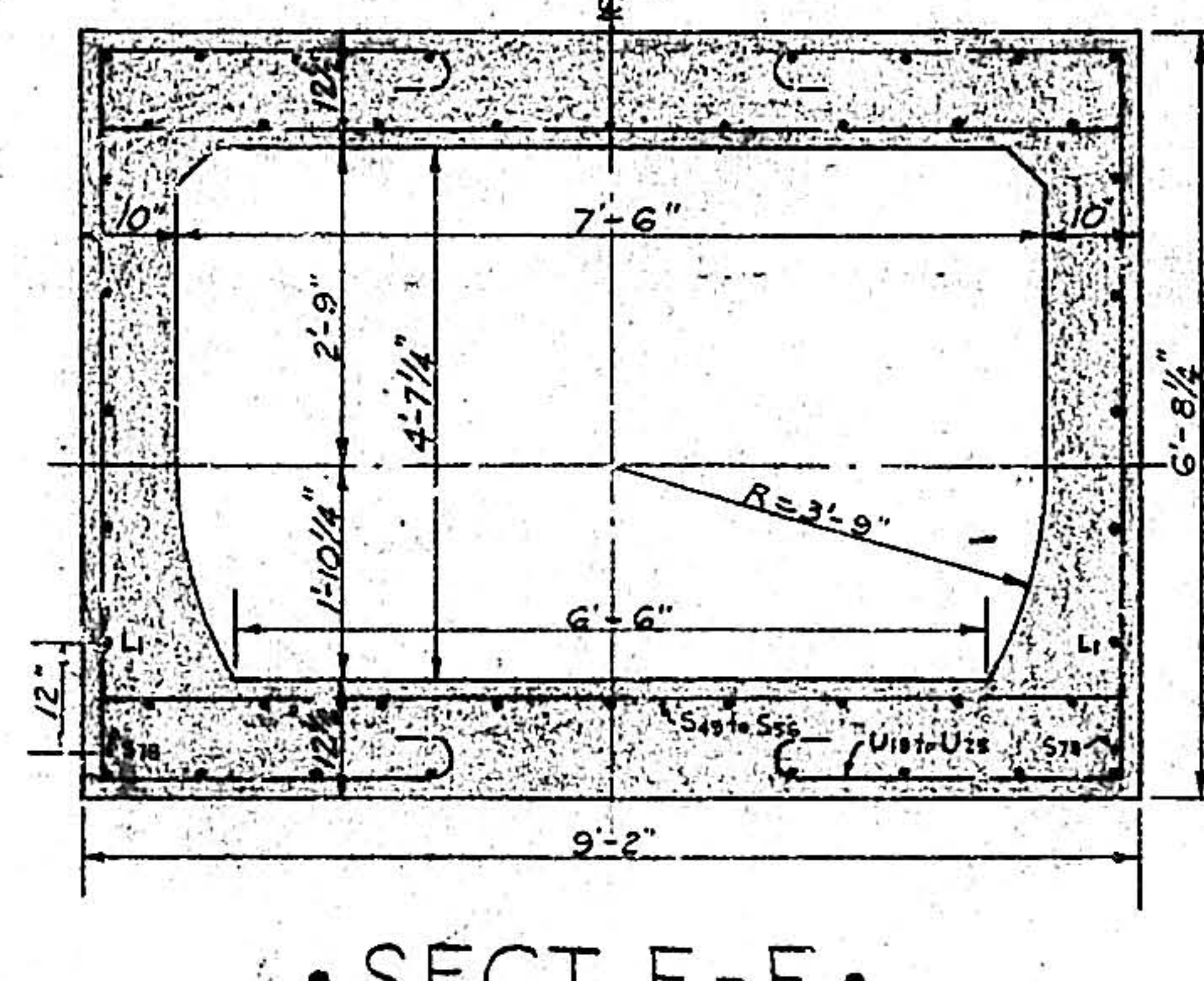
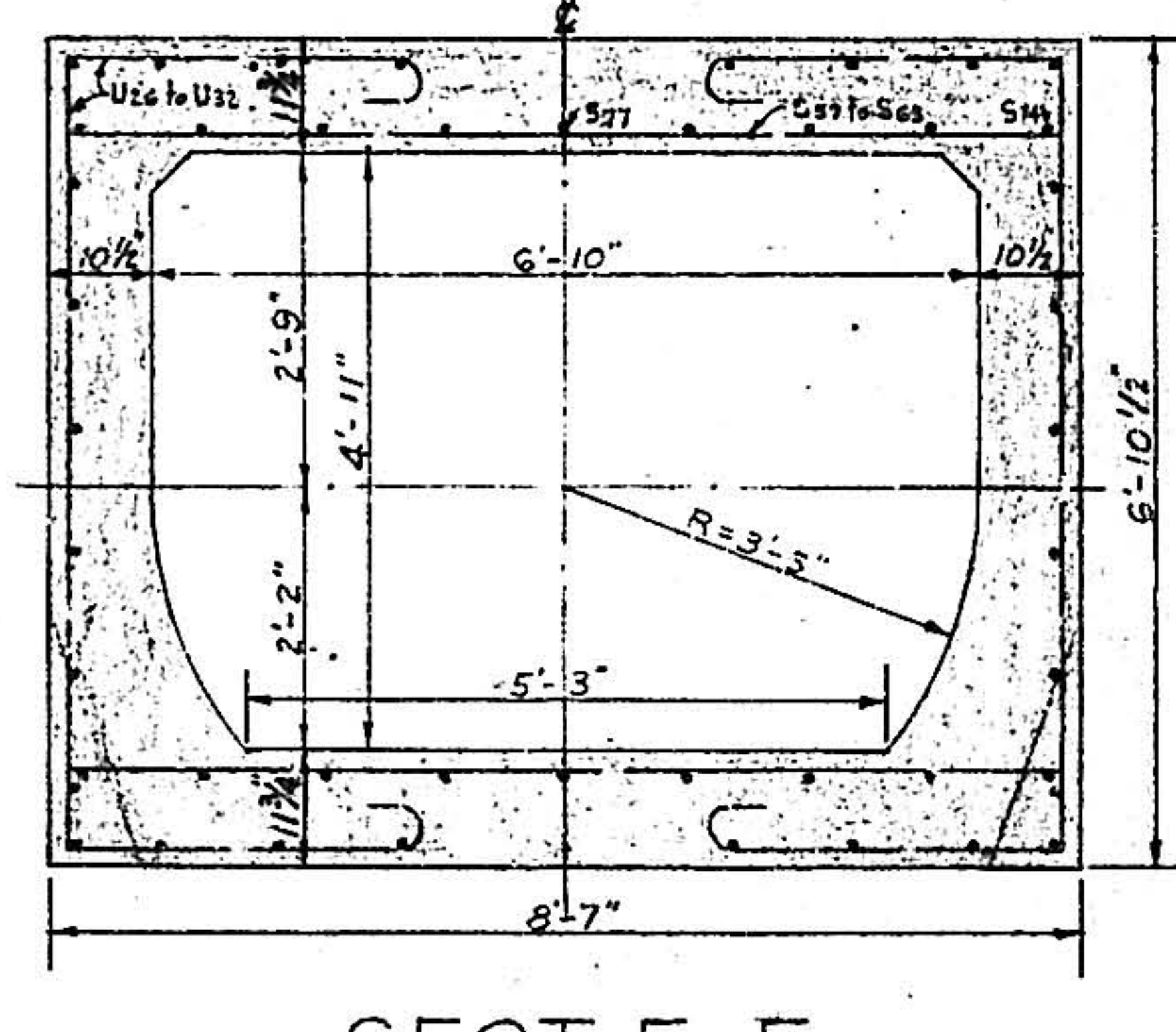
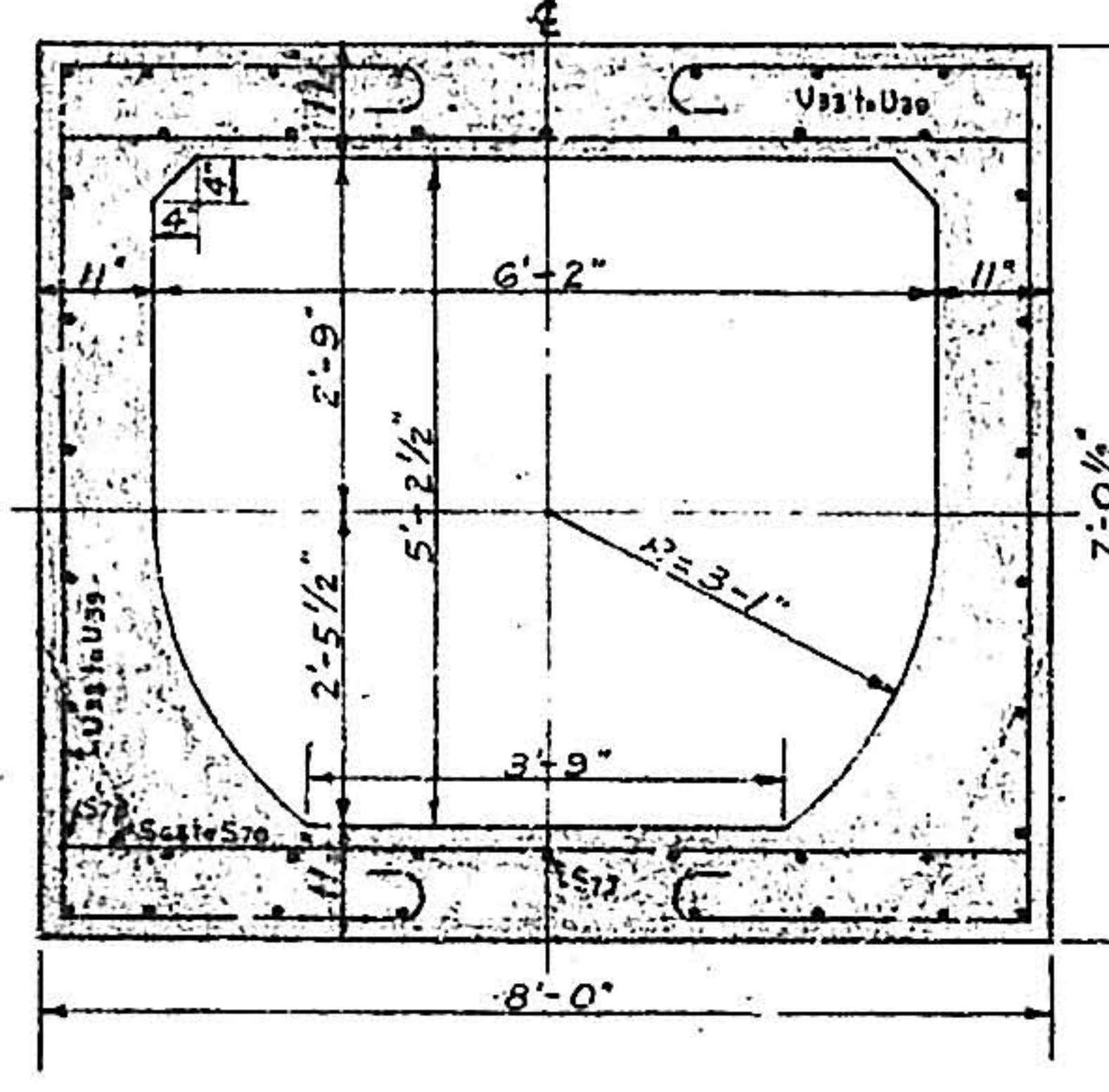
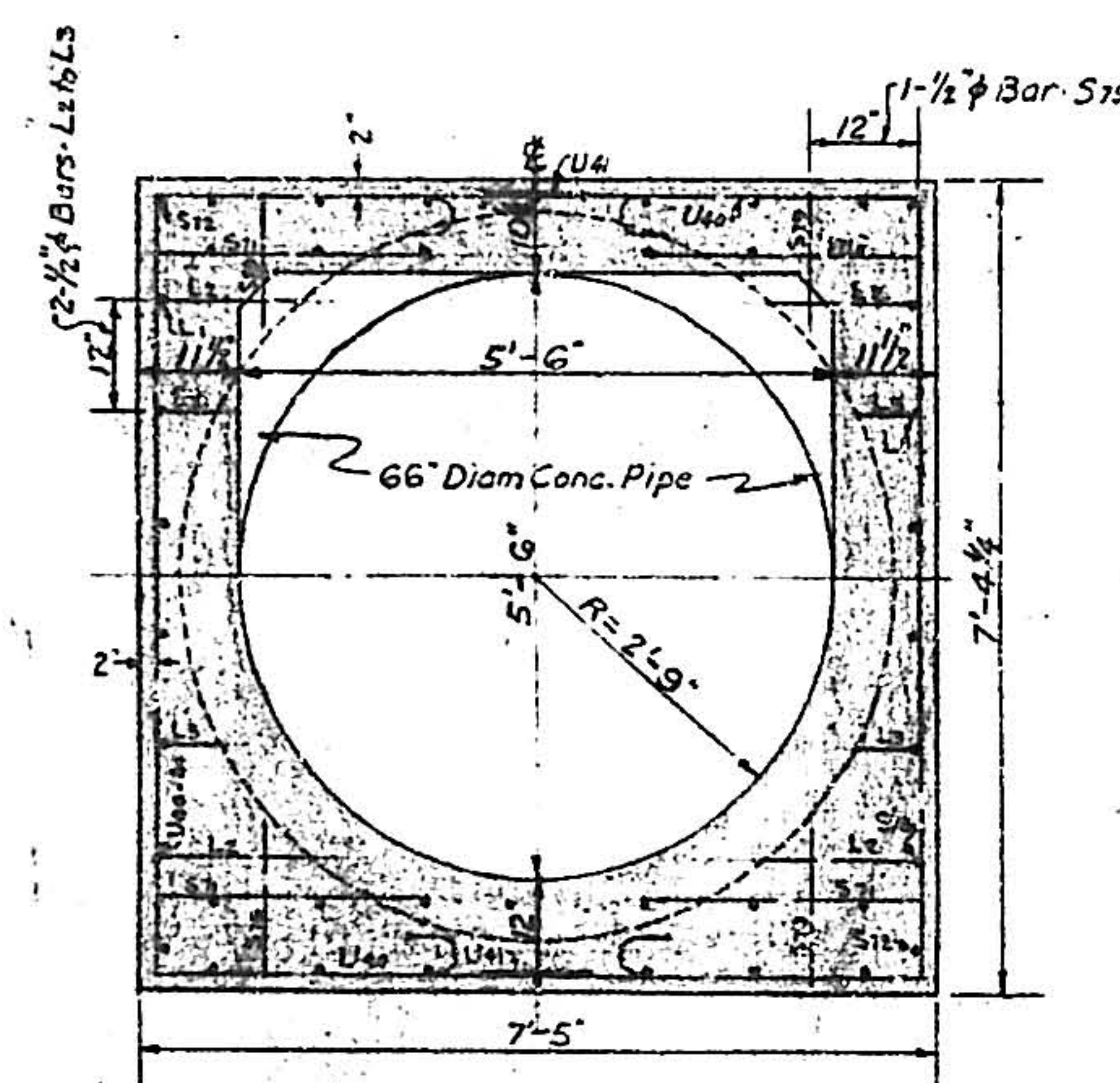


• NOTES •

All concrete to be class "A" 3250'. The minimum strength of field test cylinders shall not be less than 3000' /in when tested to ASTM stds. Max size aggregate, and to be well added or vibrated into place (23" cu yds) Reinf. to be deformed bar, #6000" steel, and placed 12" and 2" from face of conc. as shown. If necessary remove stone masonry headwall from interior of existing culvert and place temporary timber bulkhead in place of headwall while construction is going on. Conc. pipe to be bedded in well tamped stable earth shaped to fit lower 1/3 of pipe. Backfill around structures to be well tamped in 6" layers for a distance of 6 ft on each side, and to a depth of 2 ft over top of structures. Remainder of fill to be machine rolled in 12" layers.

• APPROX BAR QUANTITIES •

1/2" ϕ Bars - 1680 ft. - Wt. = 1126^{##}
5/8" ϕ " - 523 ft. - Wt. = 785^{##}
3/4" ϕ " - 1018 ft. - Wt. = 1059^{##}

[illegible]

Scale: $\frac{1}{2}" = 1'-0"$

CITY OF ALBUQUERQUE NEW MEXICO ENGINEERING DEPARTMENT 66" CONC. PIPE CULVERT & 15' TRANSITION BOX AT STANFORD AVE. & LAS LOMAS RD.
--

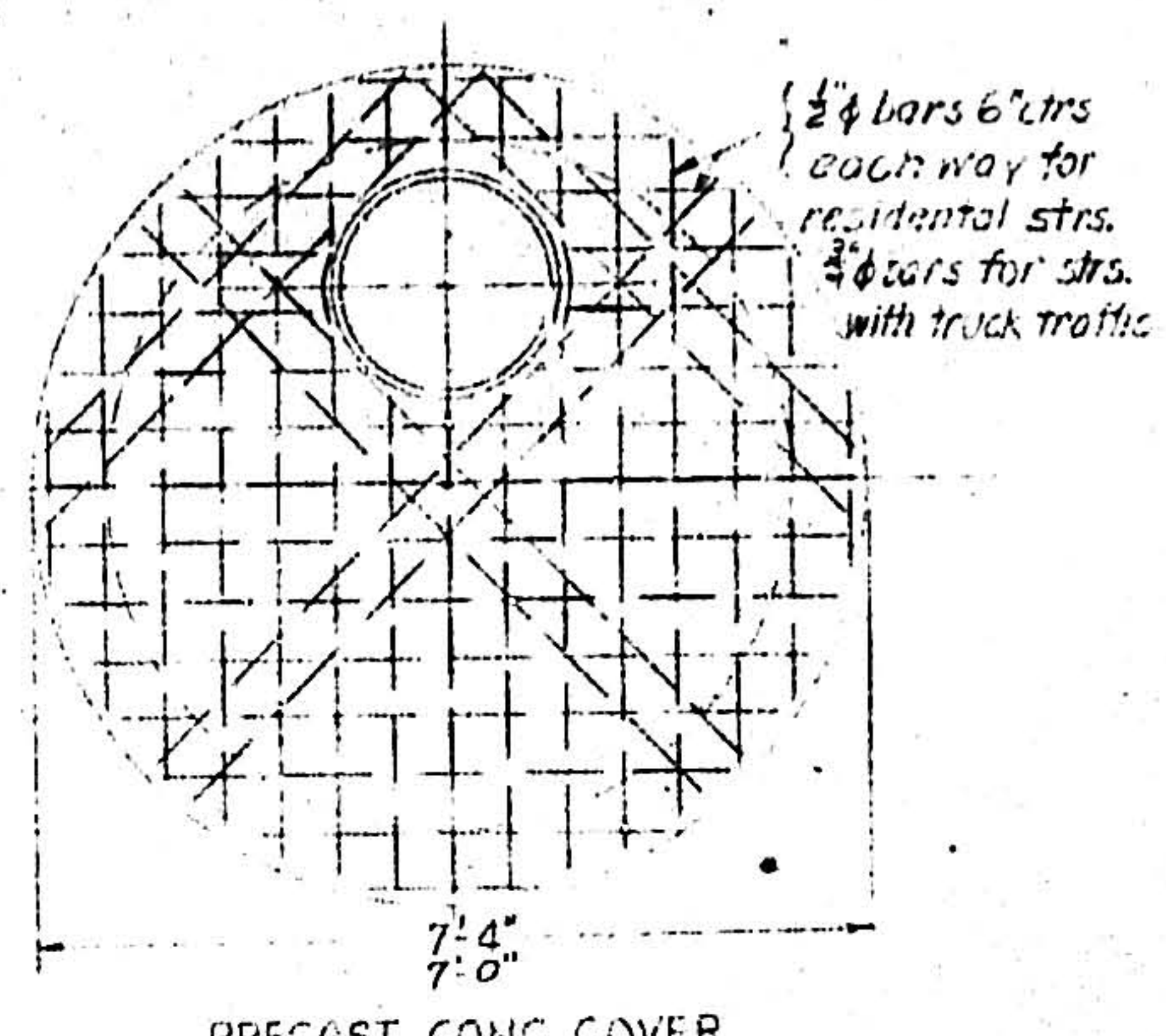
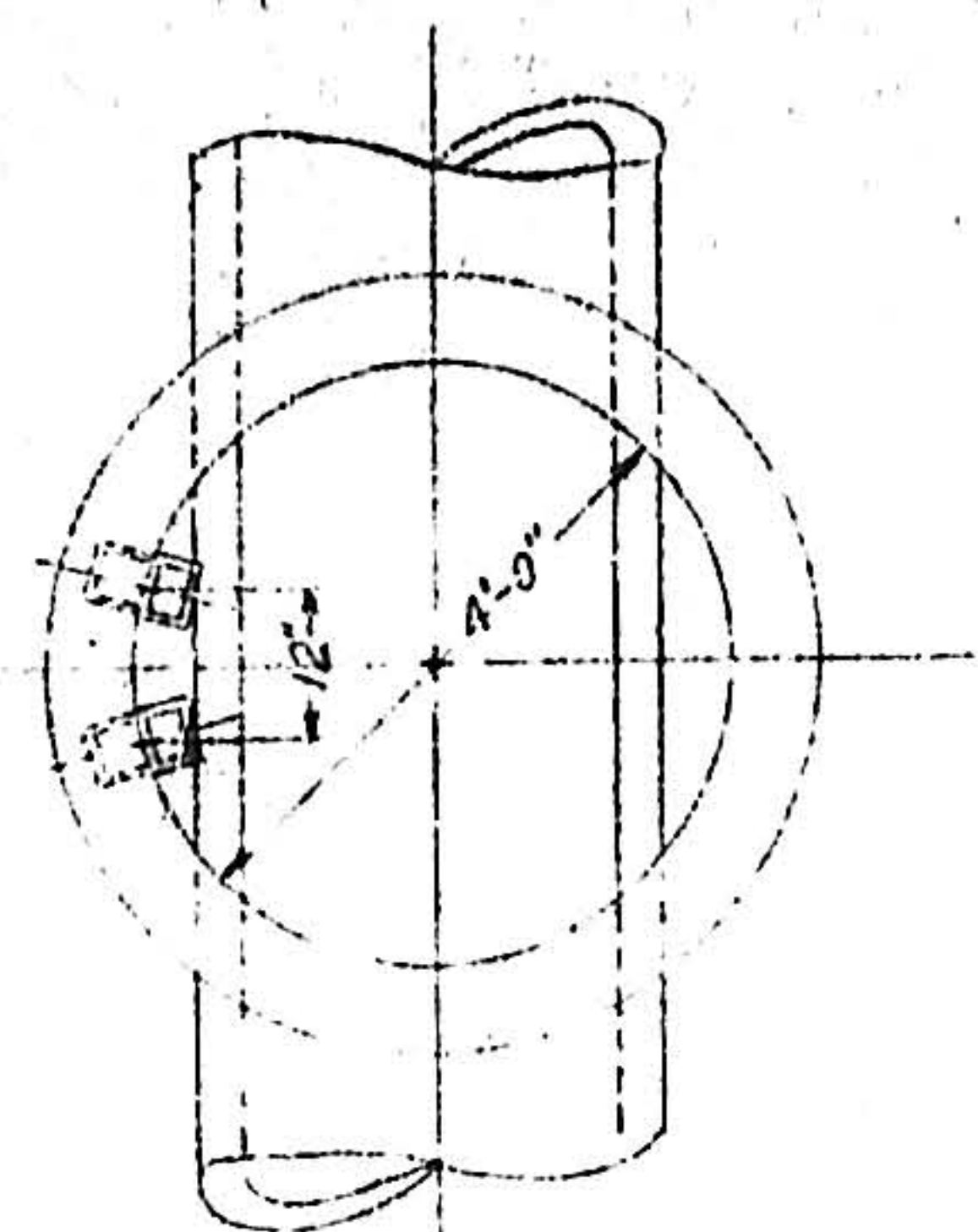
DESIGNED BY: W.T.S.	DRAWN BY: W.T.S.
DATE: 5/22/48	DATE: 3/29/48
RECOMMENDED:	E.O. FILE NO.
DATE:	
APPROVED: <i>W.D. Little</i>	
DATE: April 6, 1948	SHEET - 2 of 2

SHT 3

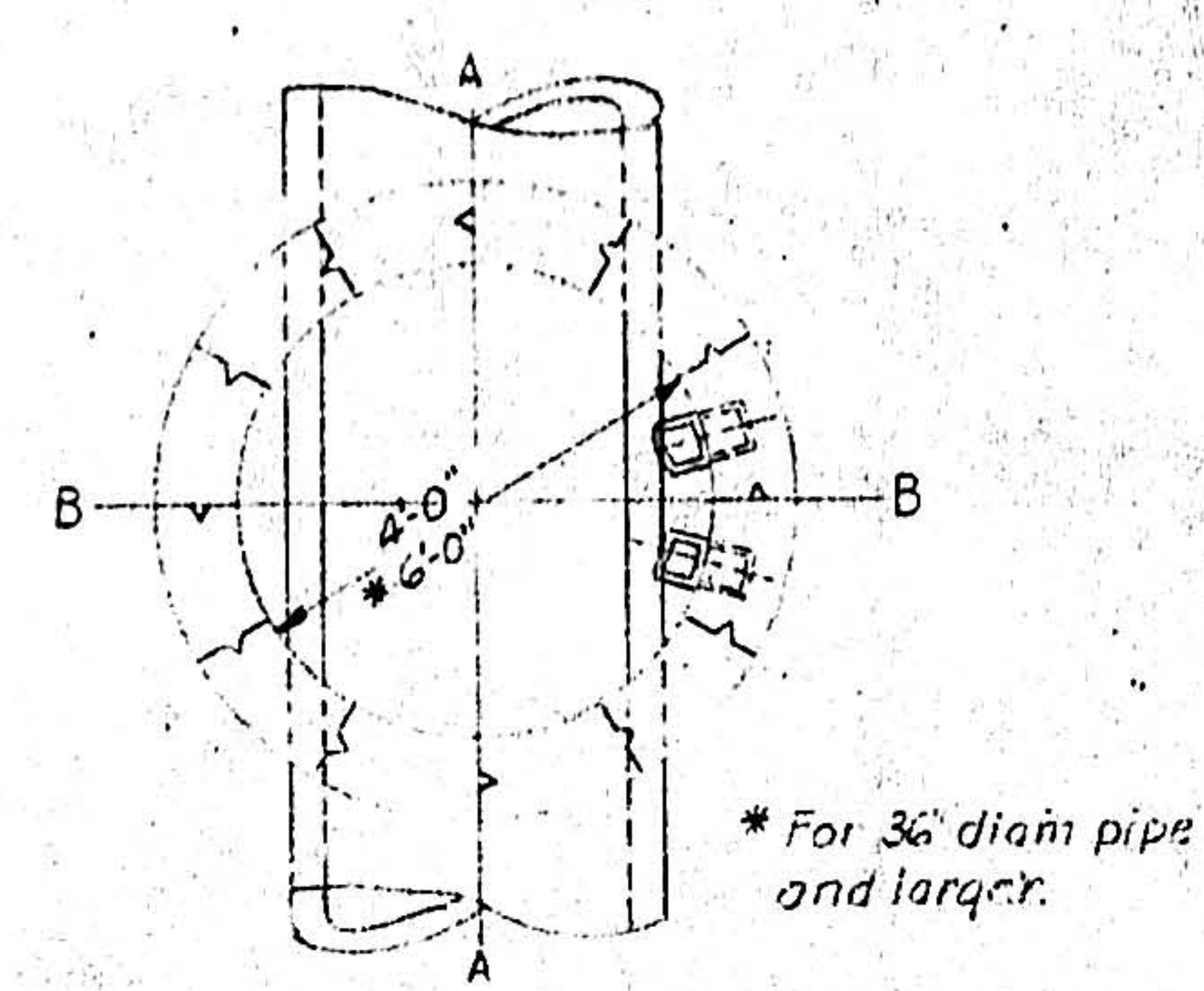
(continued)

SHT 3

REVISED DEC. 1950

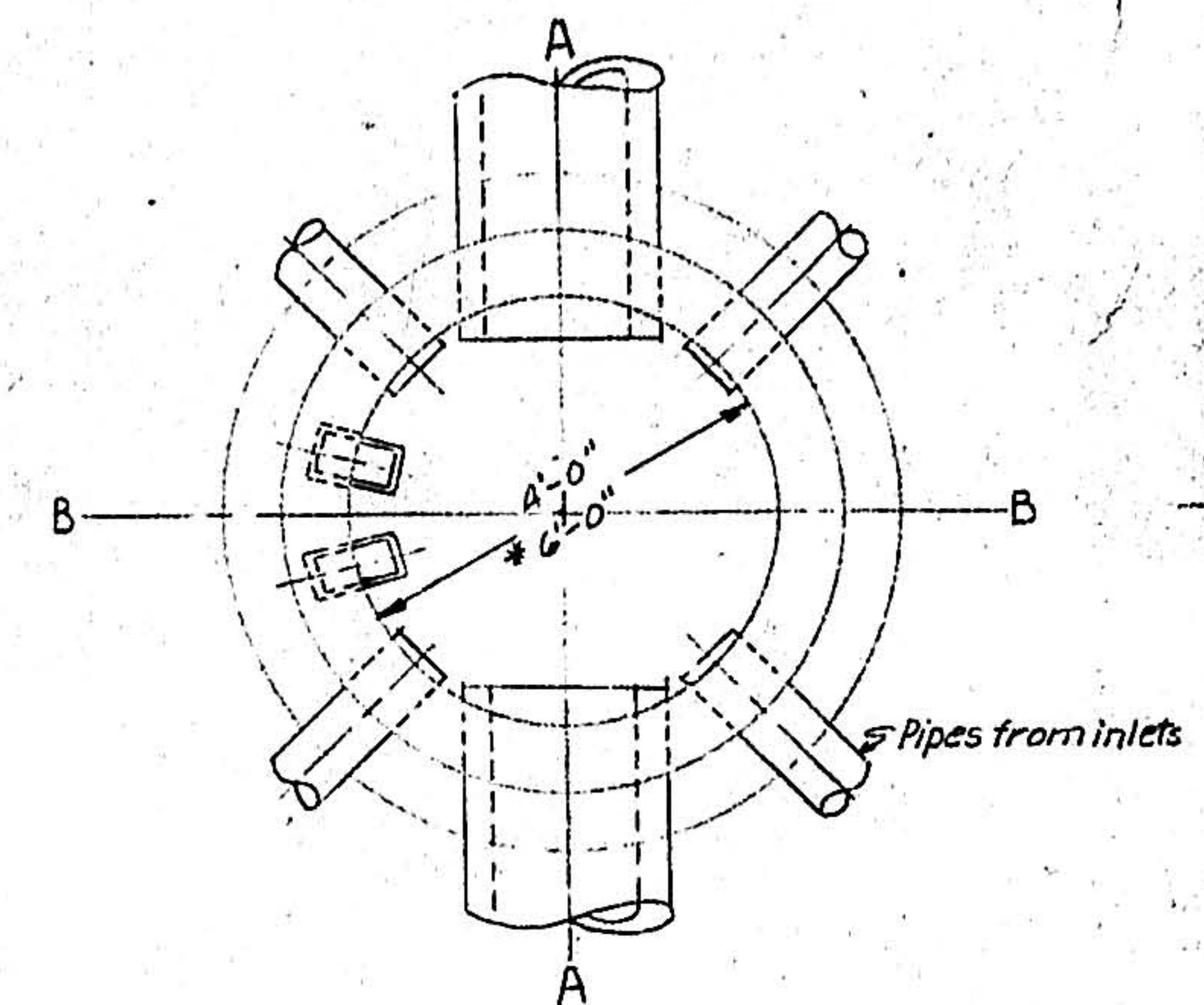
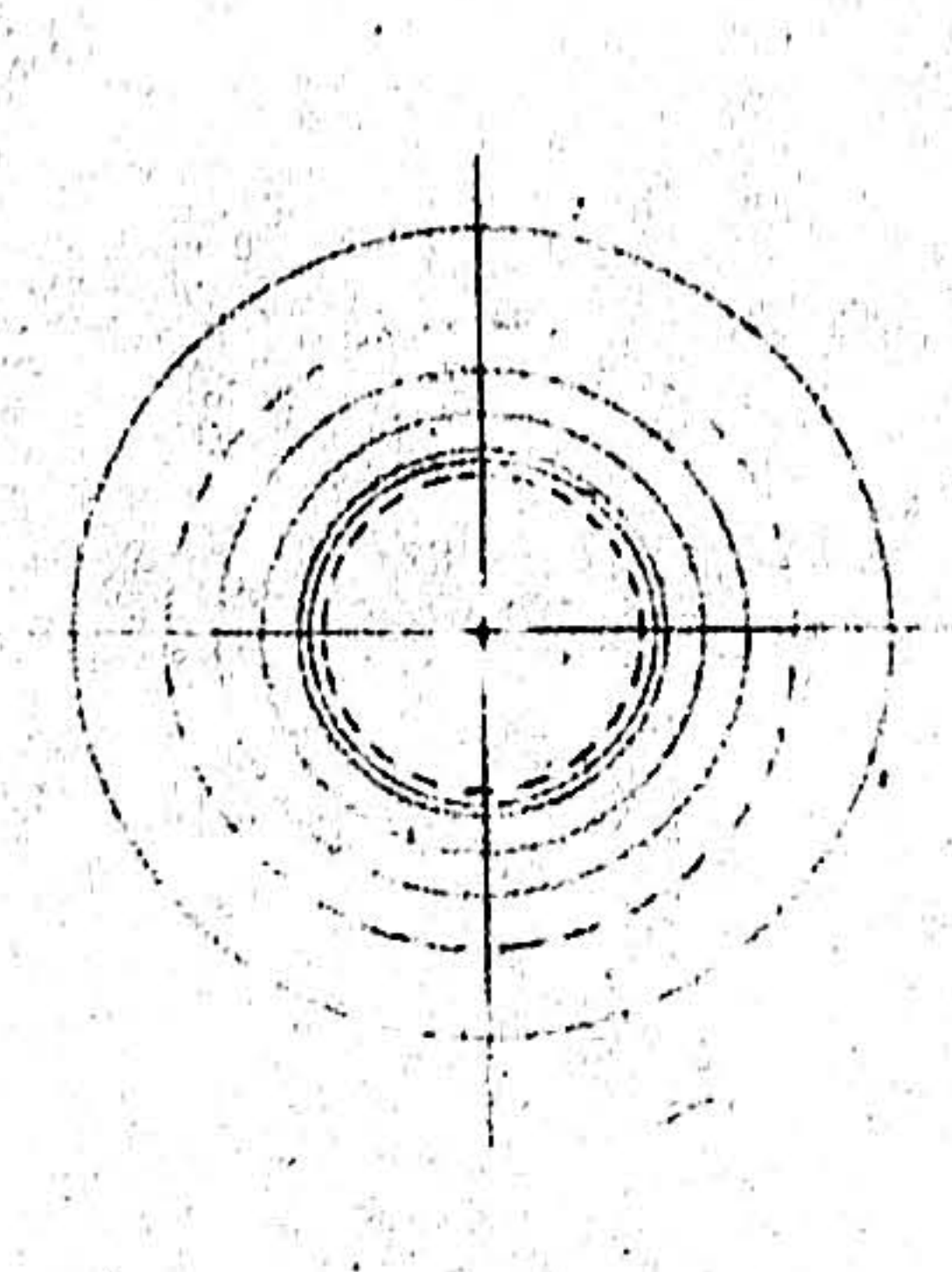


PRECAST CONC COVER

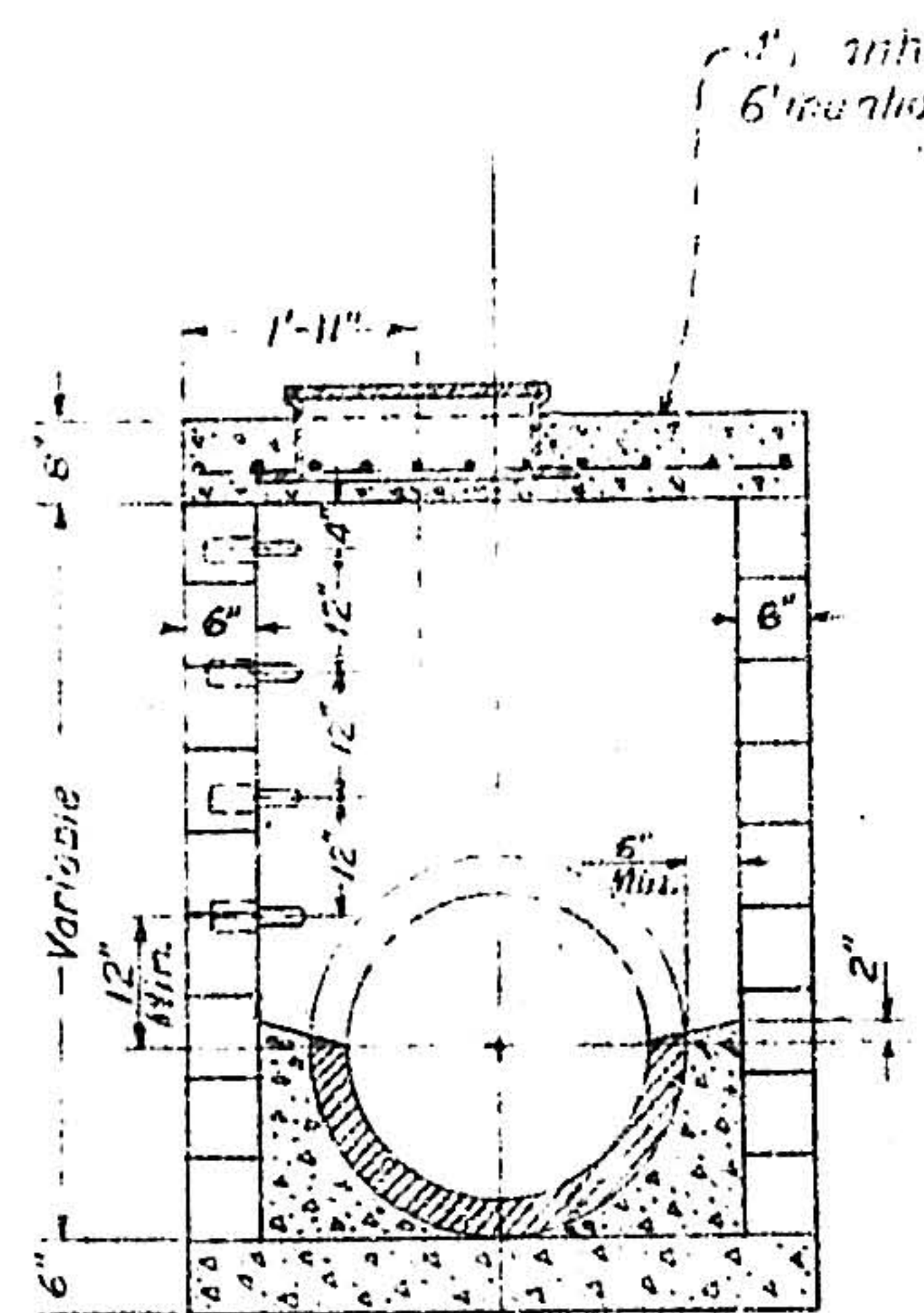
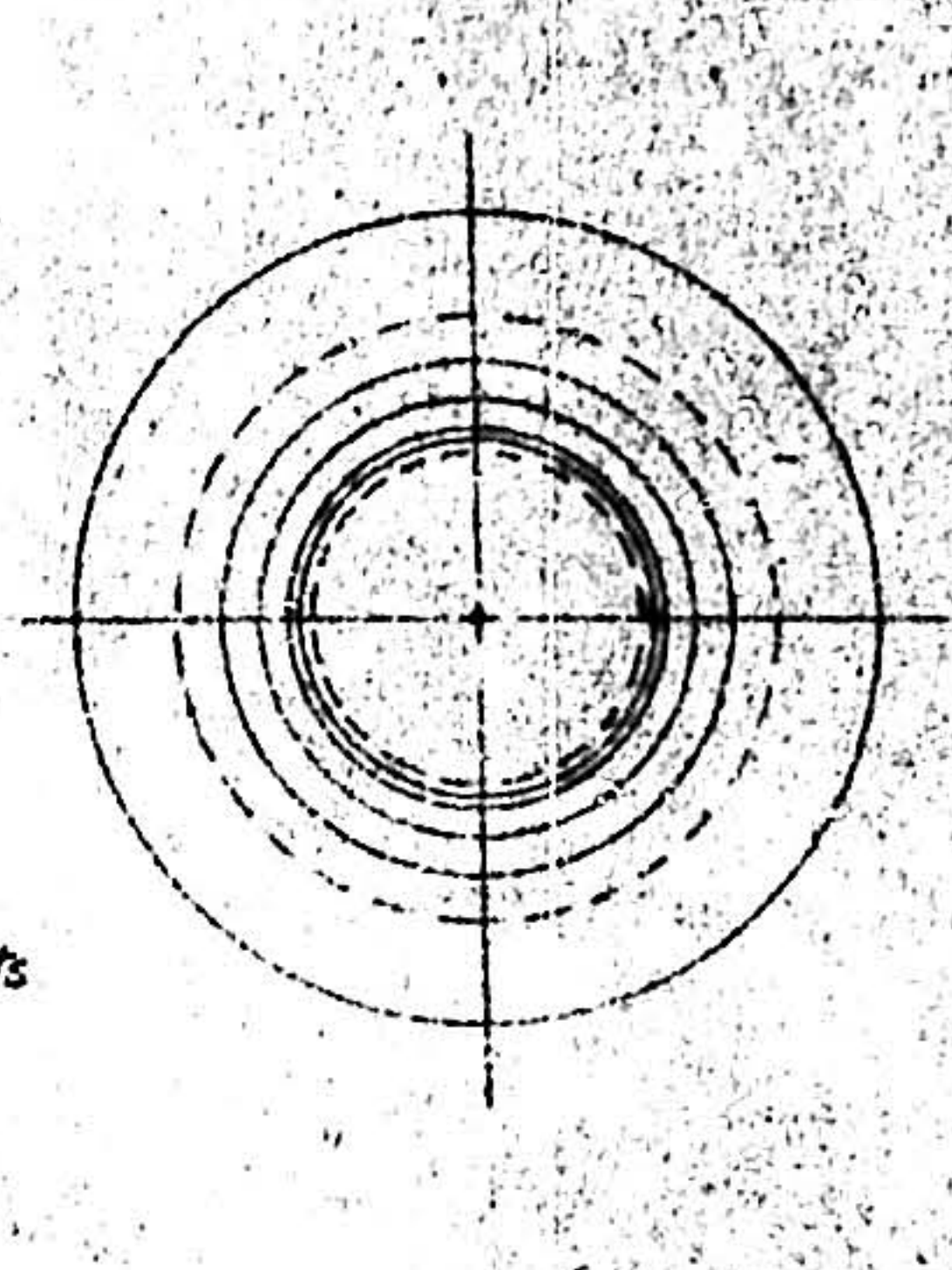


* For 36" diam pipe and larger.

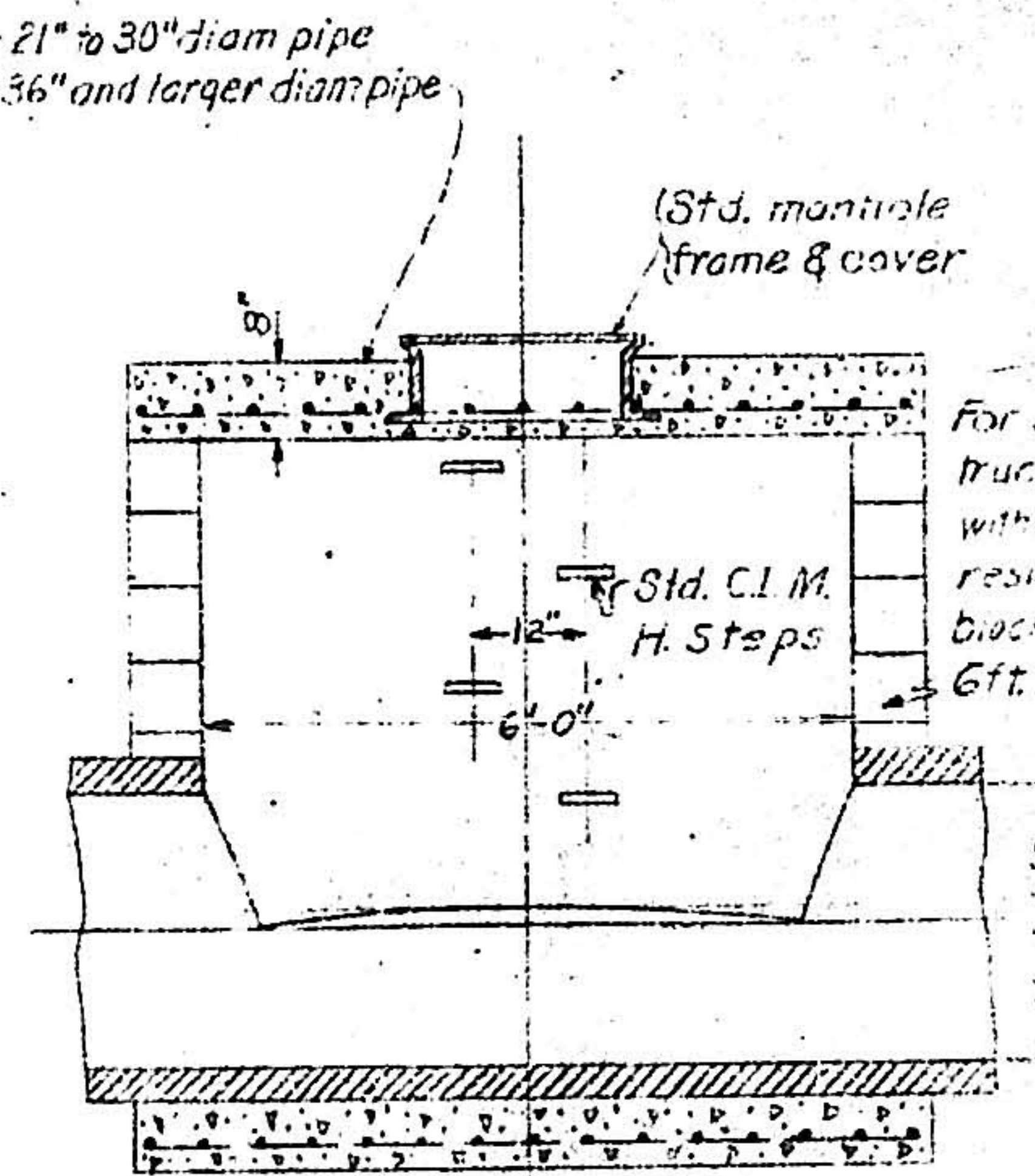
SECTION PLAN



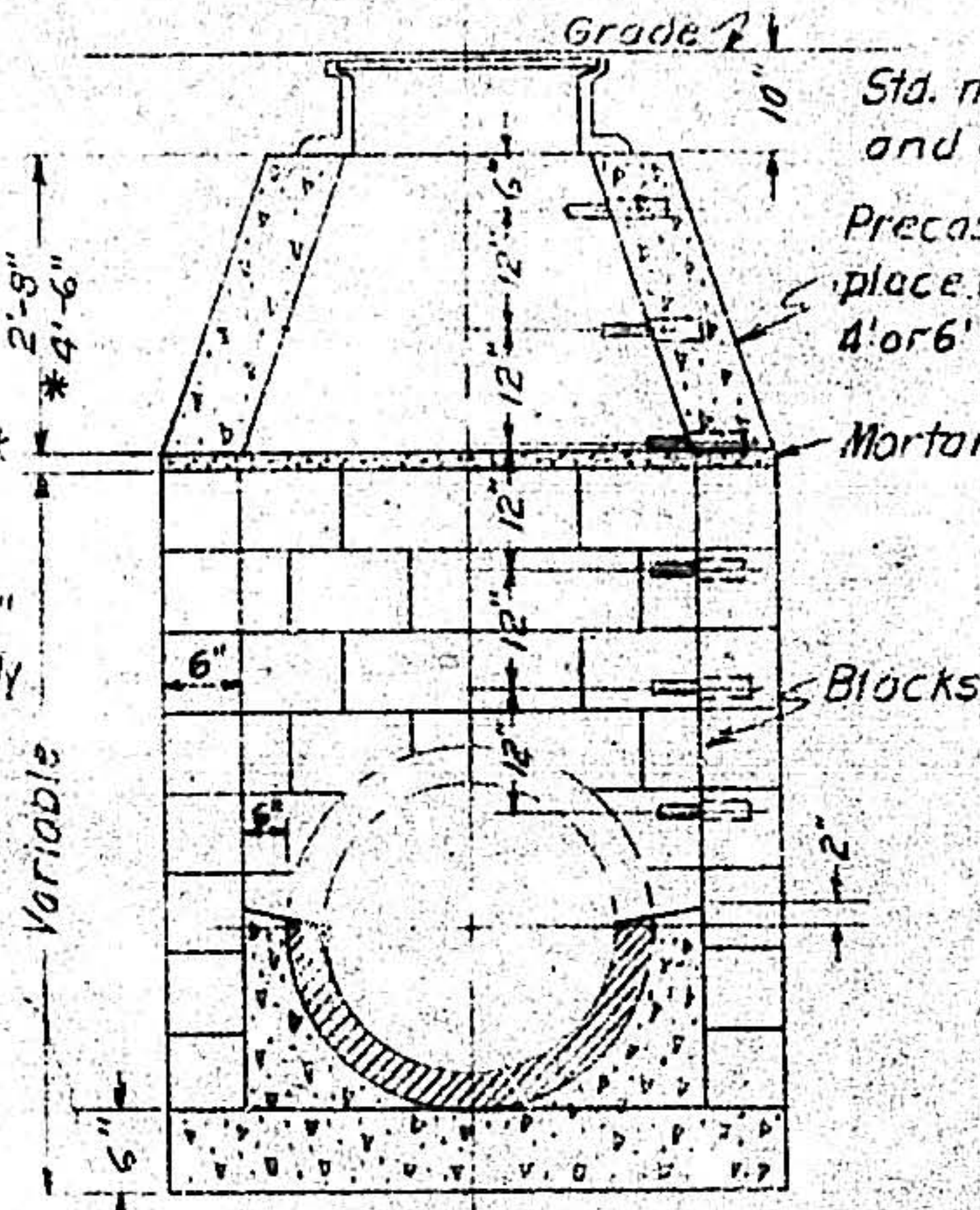
Pipes from inlets



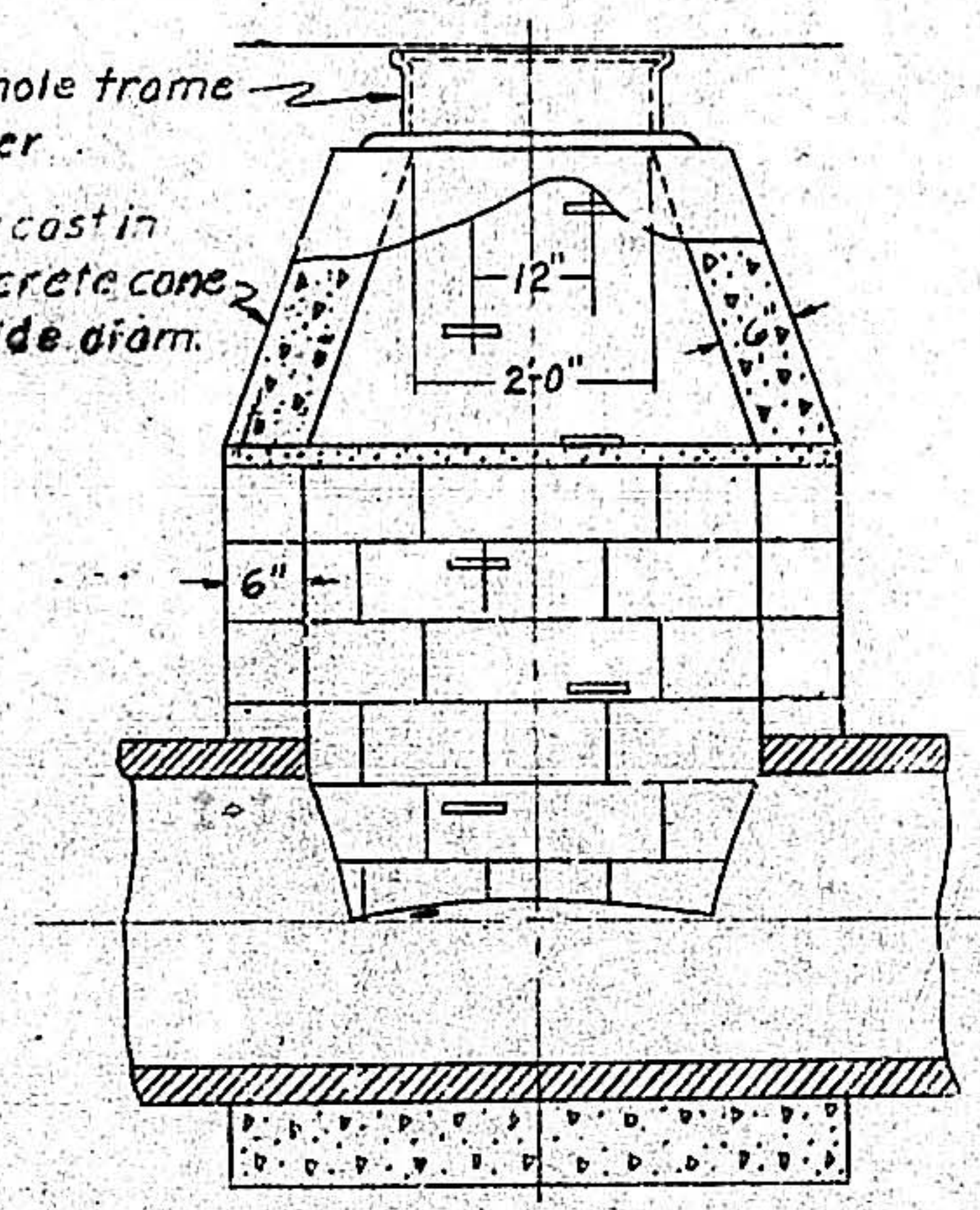
SECT. 4 FOOT M.H.
STANDARD STORM SEWER MANHOLE TYPE "A"



SECT. 6 FOOT M.H.
STANDARD STORM SEWER MANHOLE TYPE "A"

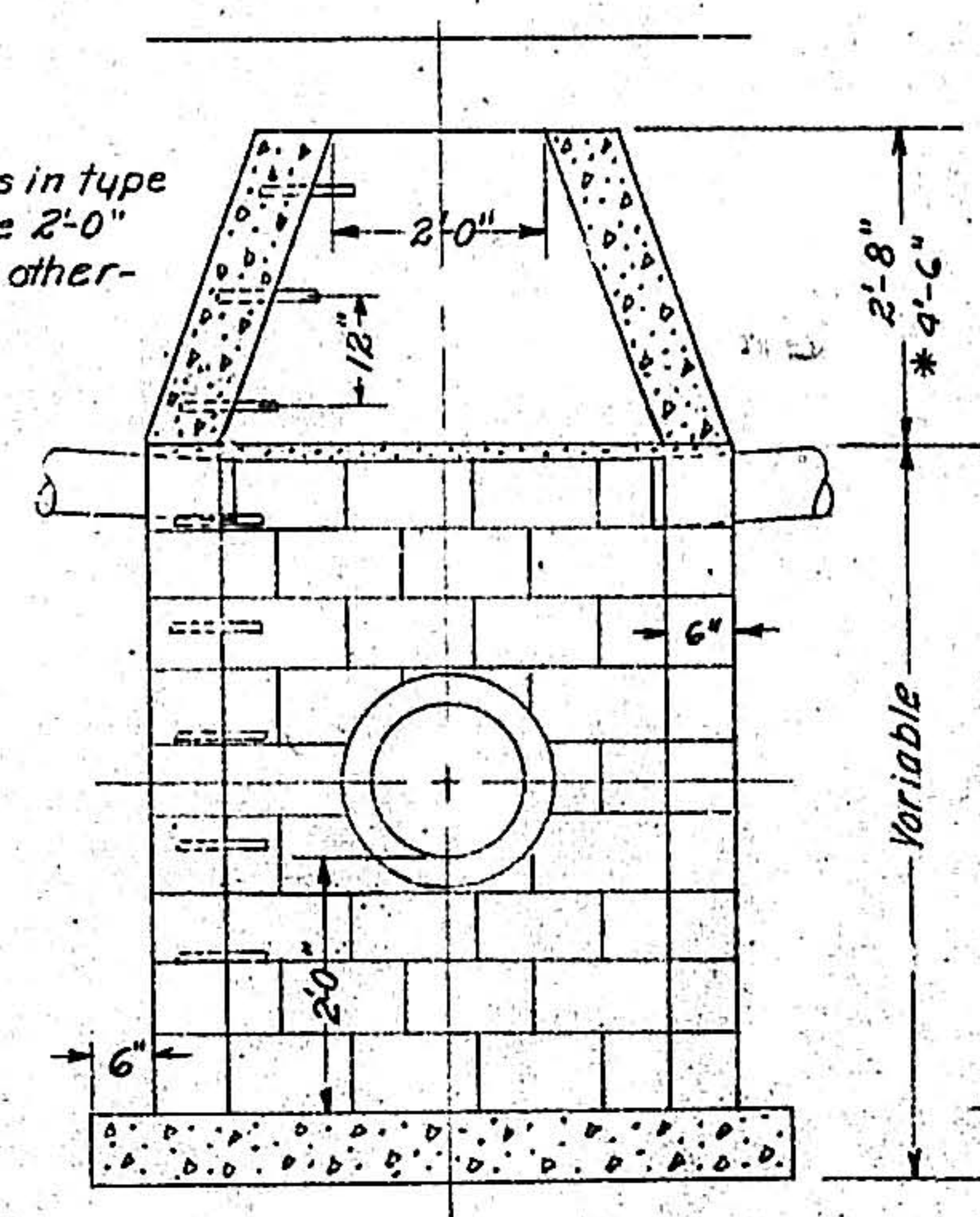


SECTION B-B
STANDARD STORM SEWER MANHOLE TYPE "B"

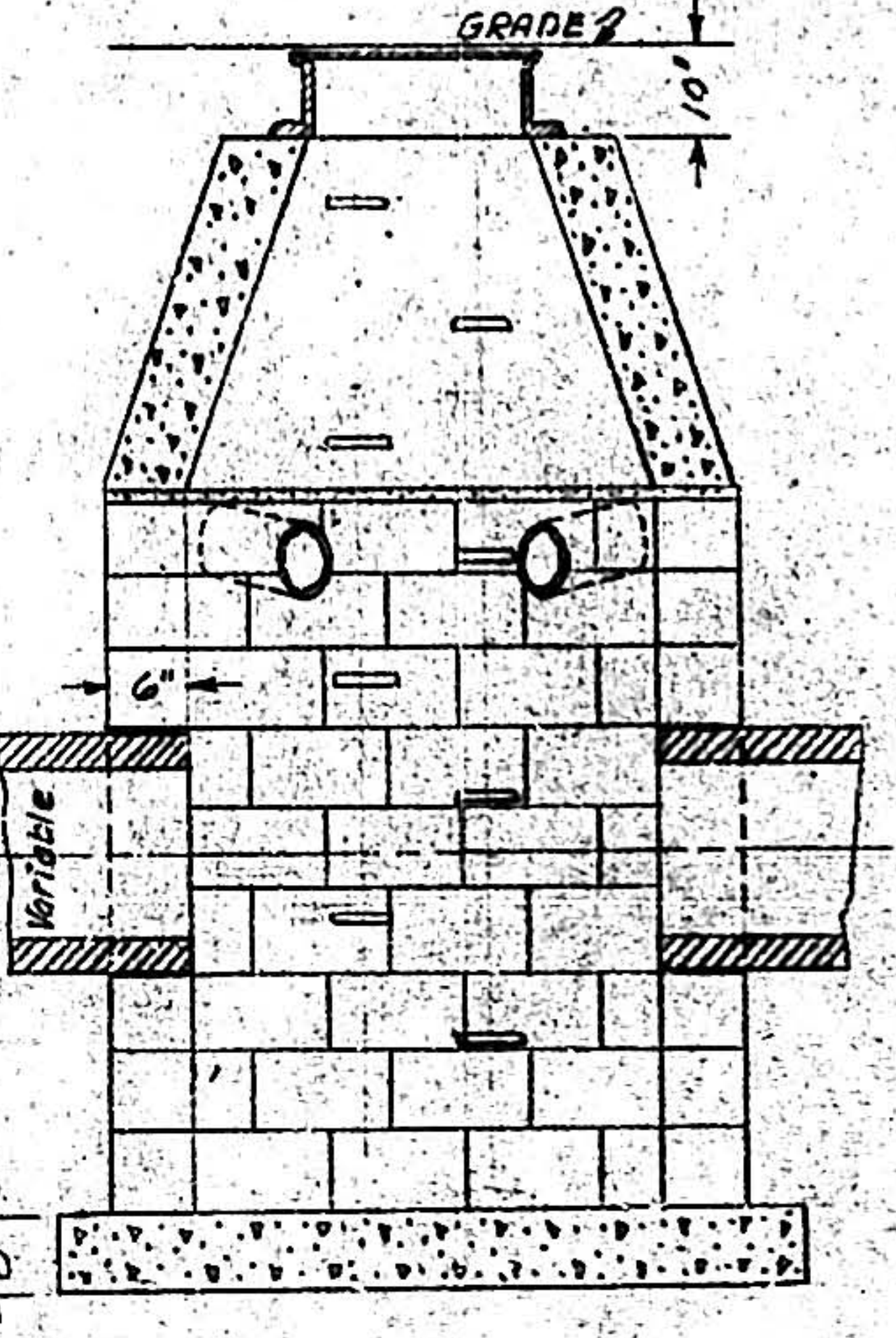


SECTION A-A

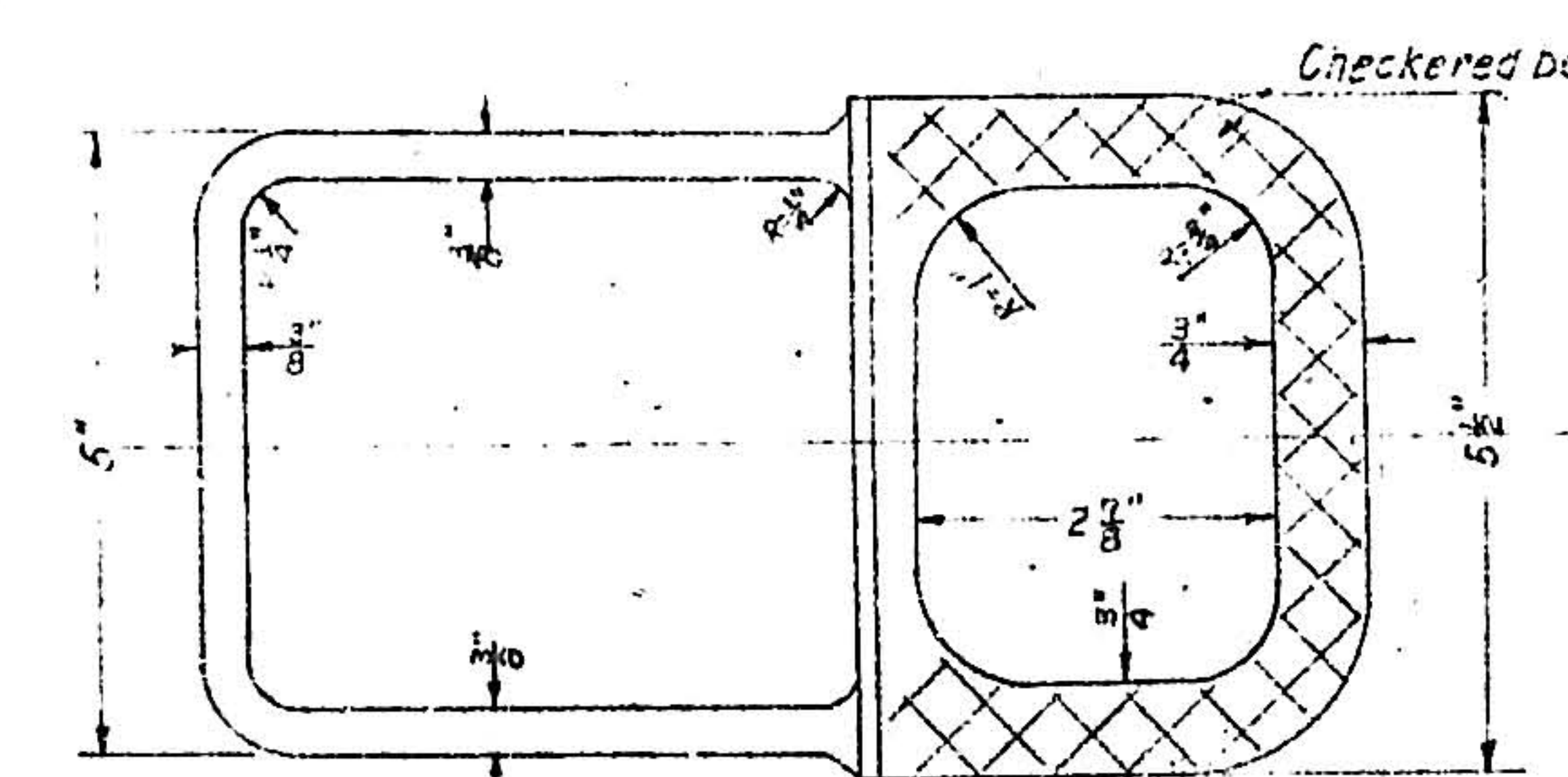
NOTE:
All catch basins in type "C" manholes to be 2'-0" in depth unless otherwise noted.



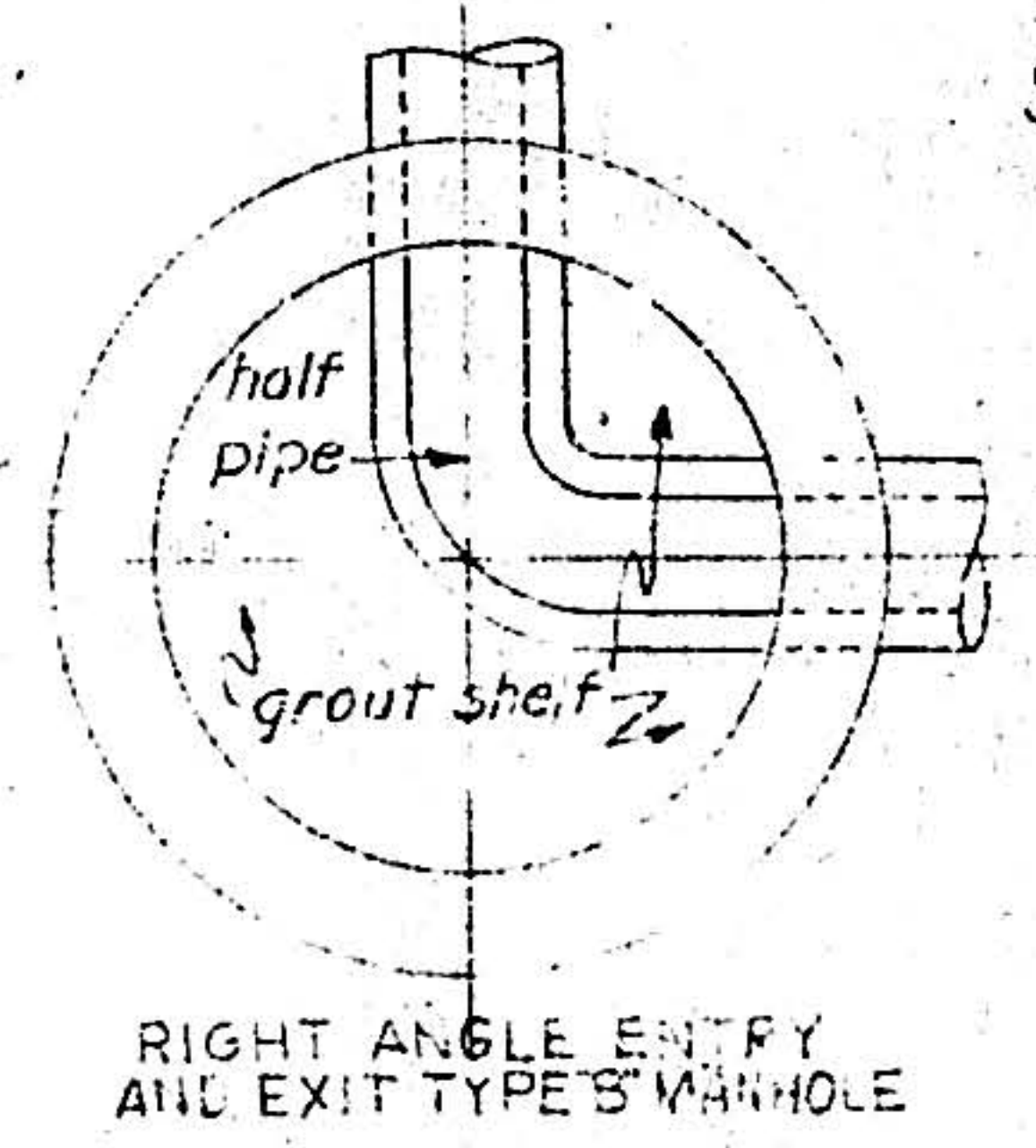
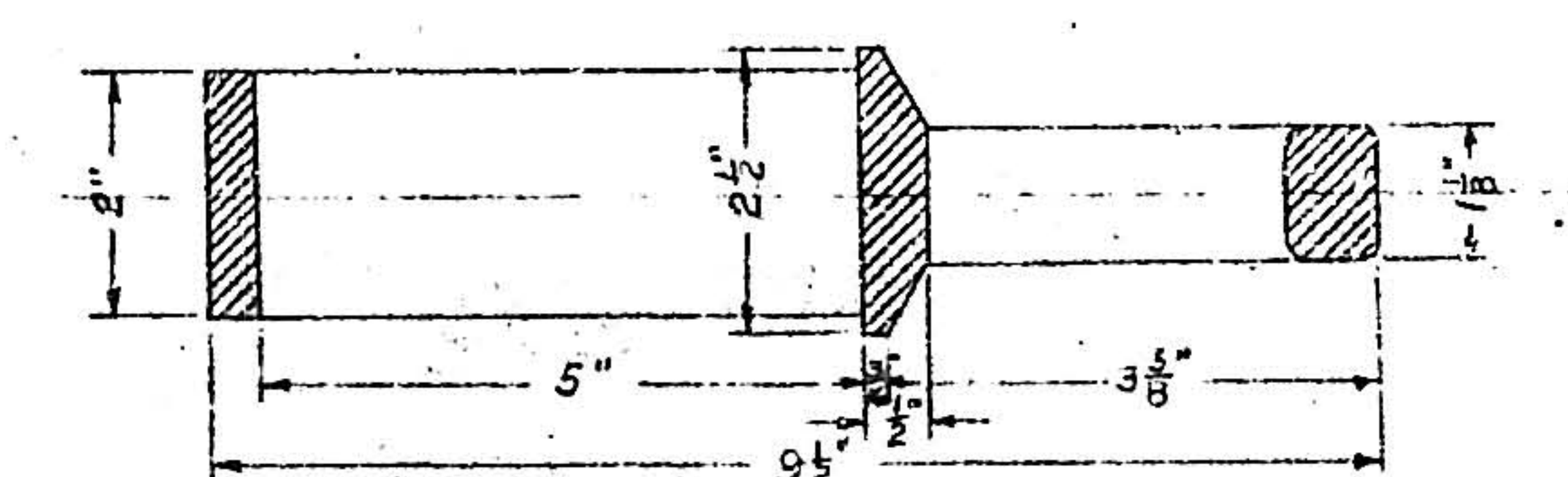
SECTION B-B
STANDARD STORM SEWER MANHOLE TYPE "C"



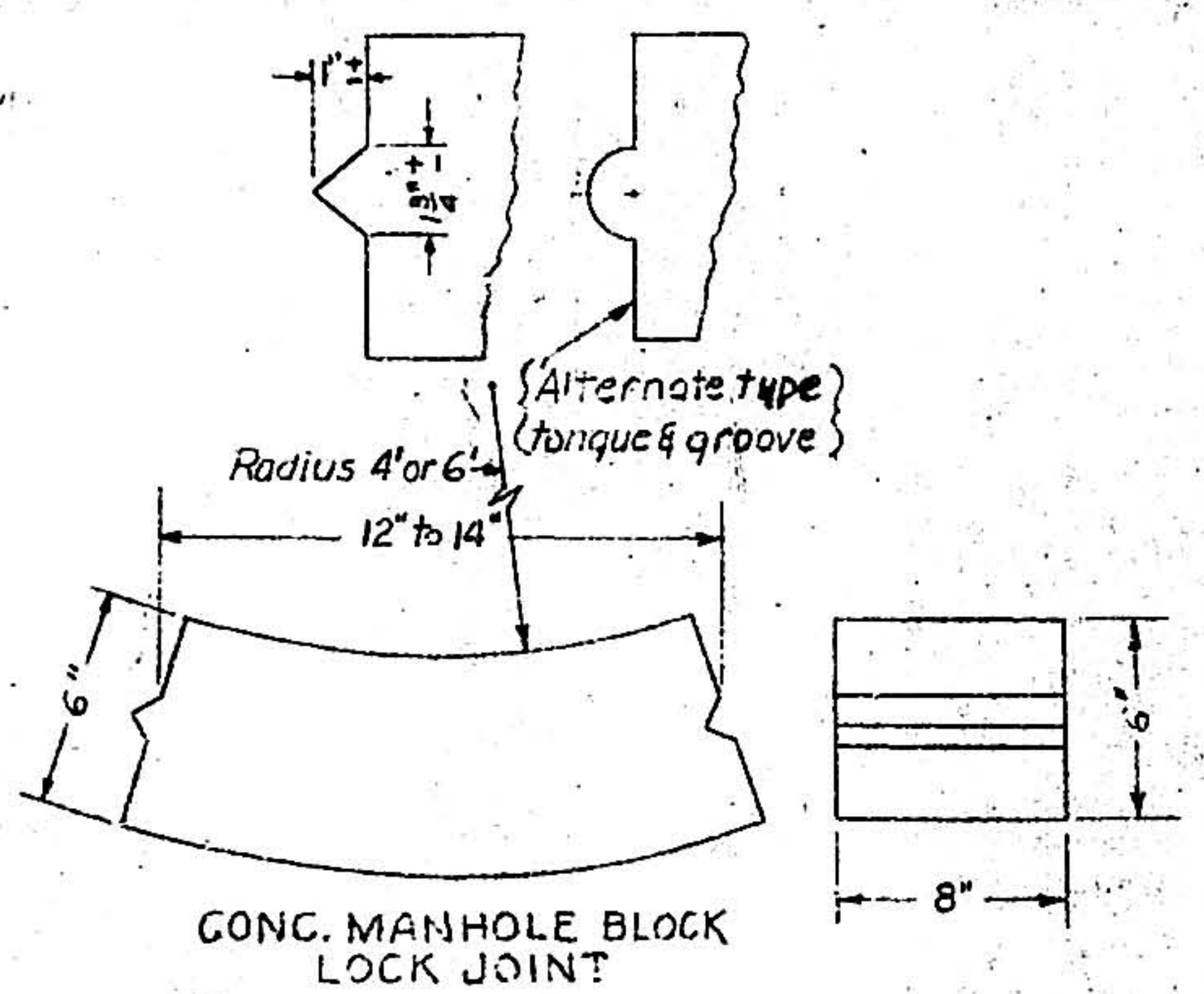
SECTION A-A



STANDARD MANHOLE STEP



RIGHT ANGLE ENTRY AND EXIT TYPE "B" MANHOLE

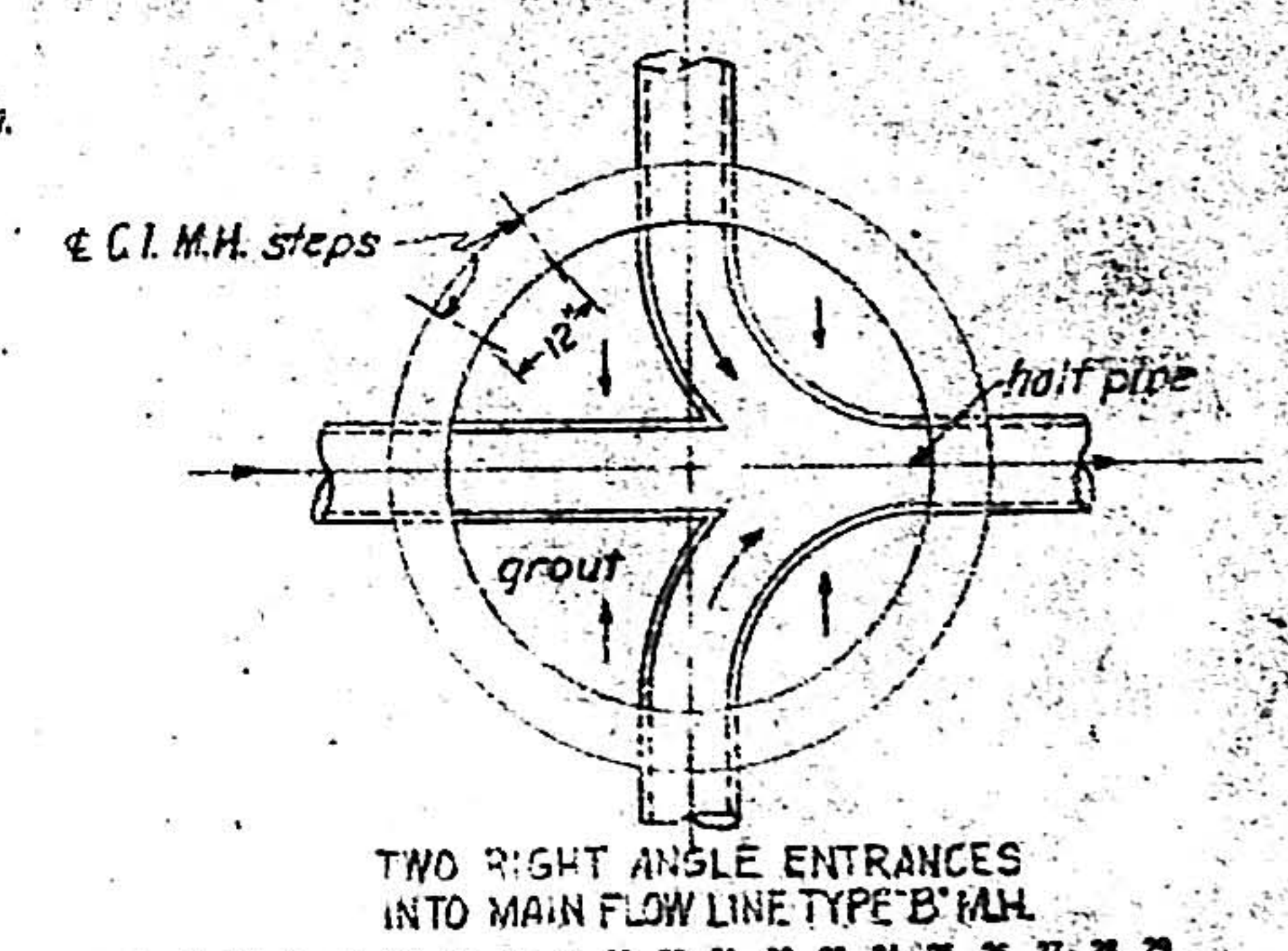


CONC. MANHOLE BLOCK LOCK JOINT

MANHOLE SPECIFICATIONS

The contractor has the option of building the masonry walls of all manholes or solid concrete or block. If solid concrete is used, the walls must have a thickness of not less than six inches. Block for six inch walls must have a thickness of not less than eight (8) inches, and a width of not less than six (6) inches, a length of twelve (12) to fourteen (14) inches and shall be lock joint type. The concrete from which such blocks are constructed shall meet the specifications for class "B" as set forth in sanitary sewer specifications for the City of Albuquerque, New Mexico. Type of block must be approved by the Engineer and each block shall be molded with a curvature equal to and matching exactly that of the manhole being built. All concrete blocks shall conform in all respects to the standard specifications for "Conc. Masonry Units for construction of Catch Basin & Manholes" A.S.T.M. Designation C 139-39 or any subsequent revisions thereof. Cones may be poured in place, or precast and then grouted to manhole barrel. All manhole frames, covers and steps to be standard cast iron as shown. In wet sewer construction manhole barrels shall be constructed of poured conc. to a pre-determined elevation as shown on plan & profile sheets. Remainder of barrel may be constructed of curved conc. block set in waterproof mortar. Manhole cones may be constructed of conc block, providing the blocks are formed so as to provide a smooth and true surface on the inside of cone. Manholes in excess of 15 ft. depth shall have 2 # steel bars on 6" ctrs. each way in the bottom slab. Steel to be placed 2" below top face of slab.

All conc. for manholes & blocks class "B" 3000*psi min.
All reinf. steel structure grade - 18000*psi

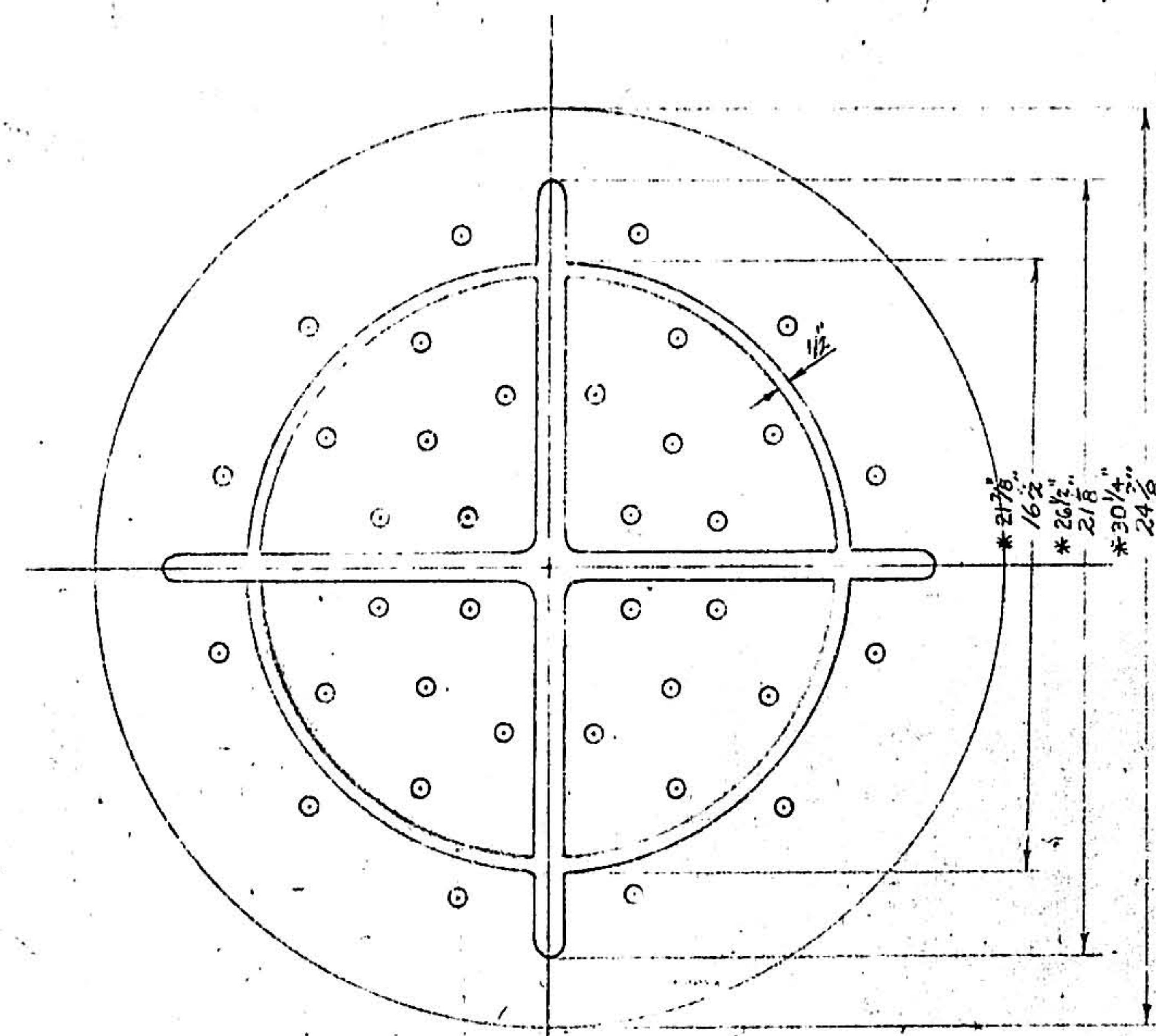


TWO RIGHT ANGLE ENTRANCES INTO MAIN FLOW LINE TYPE "B" M.H.

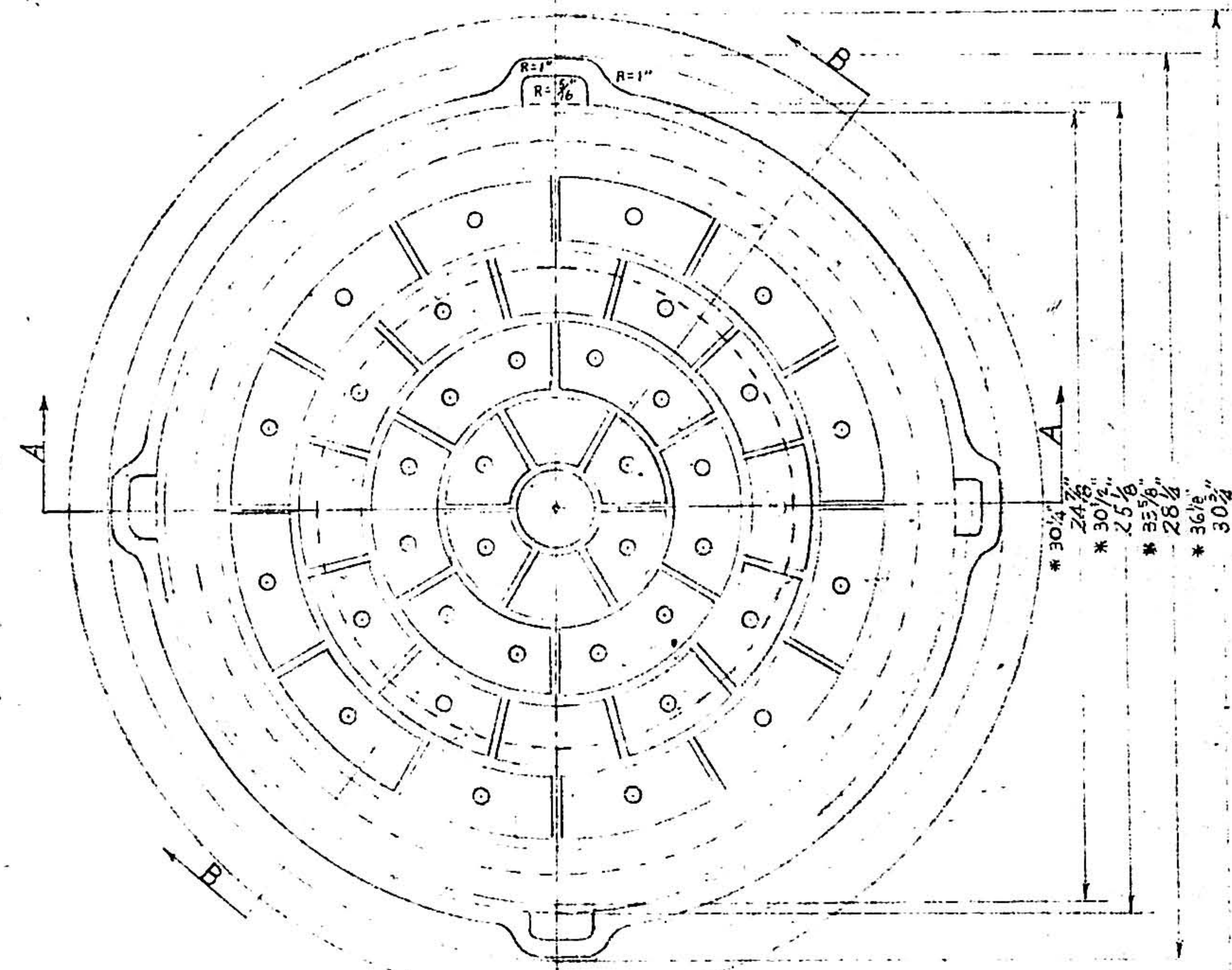
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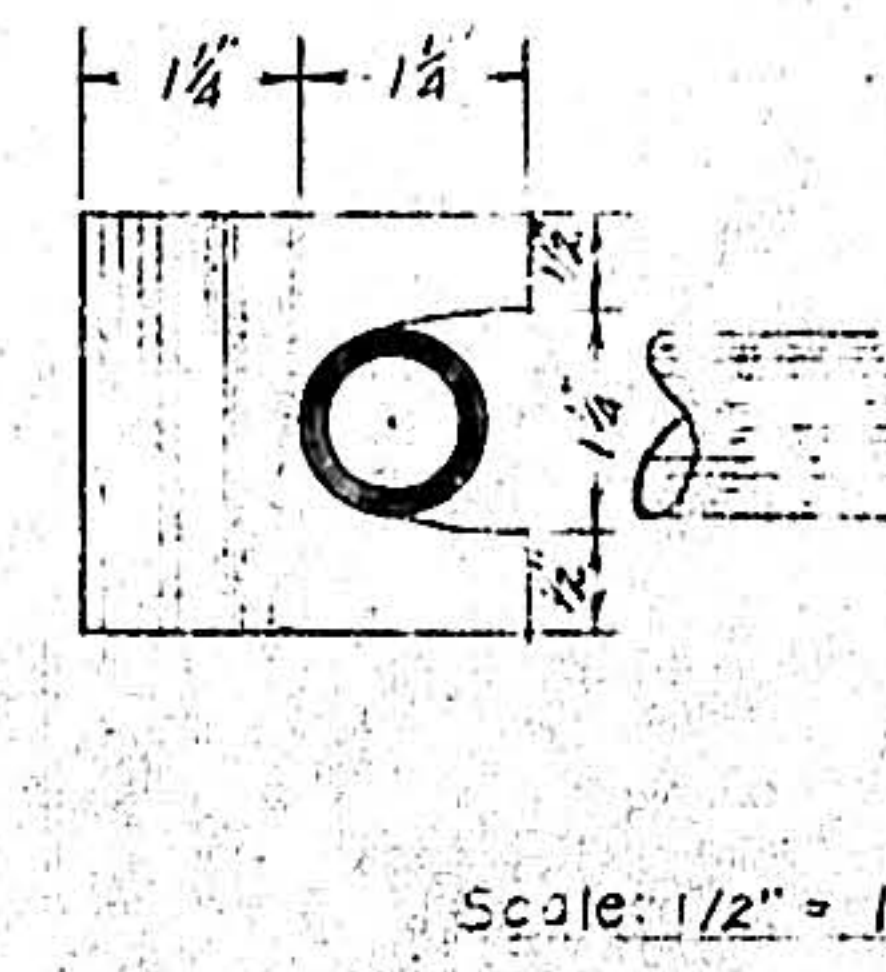
CITY OF ALBUQUERQUE	
NEW MEXICO	
ENGINEERING DEPARTMENT	
STORM SEWER	
STANDARD MANHOLE DESIGNS	
REVISED - 1950	R.M.C.
STRUCT. SHEET NO. 1	



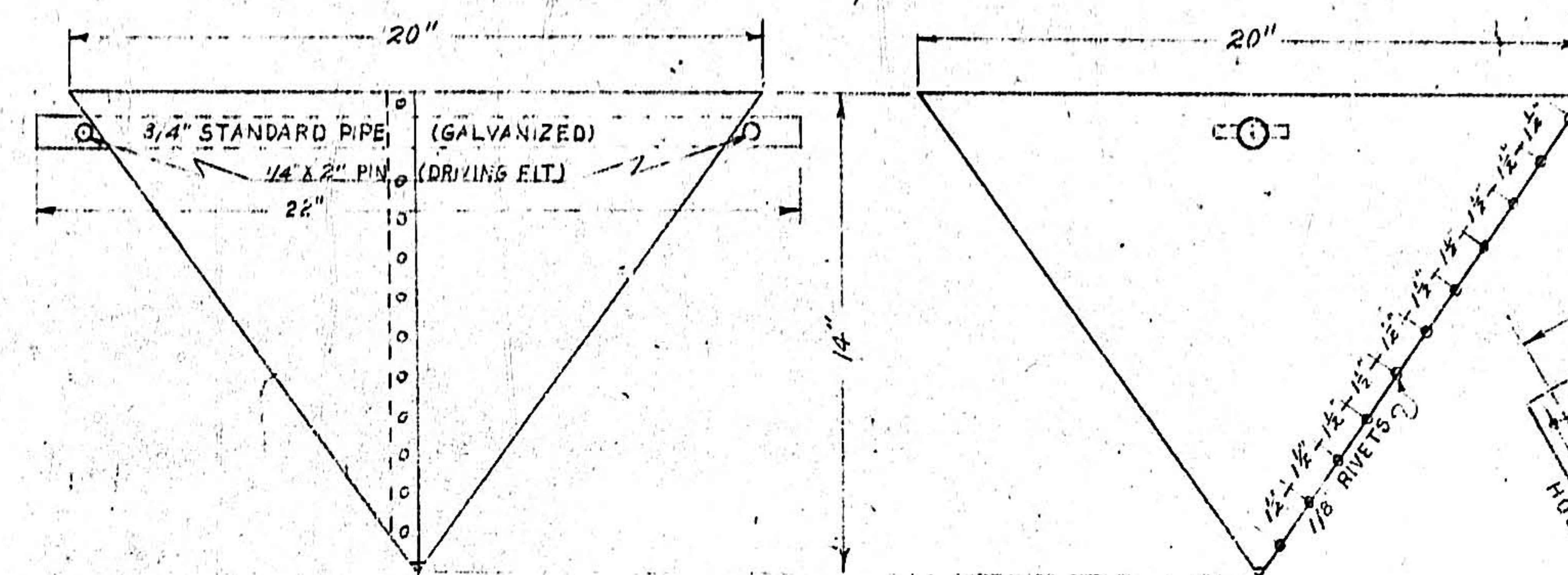
PLAN
UNDERSIDE OF COVER
Scale: 1/4" = 1"



PLAN
STANDARD MANHOLE FRAME & COVER
Scale: 1/4" = 1"

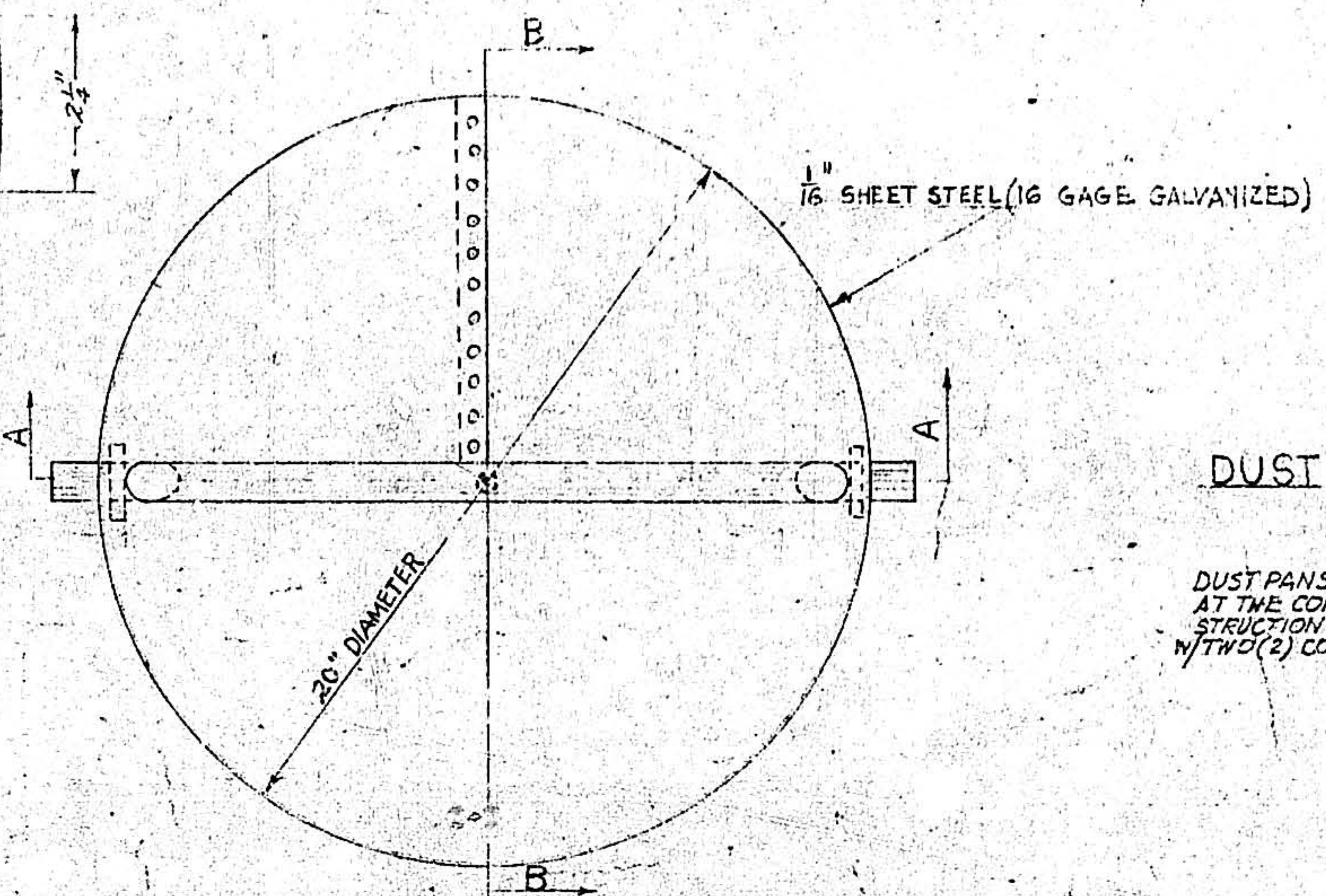


Scale: 1/2" = 1"



SECTION A-A

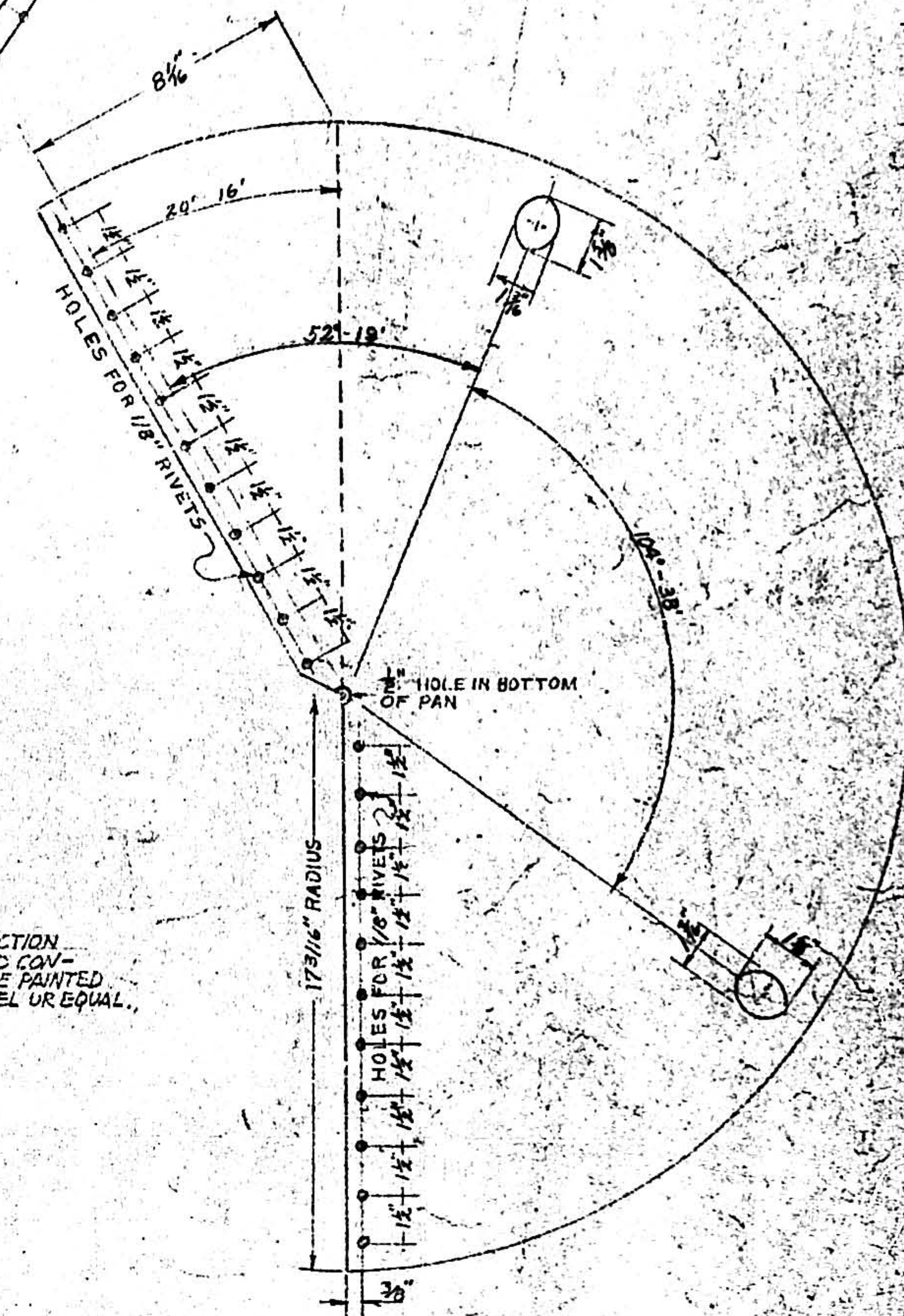
SECTION B-B



PLAN

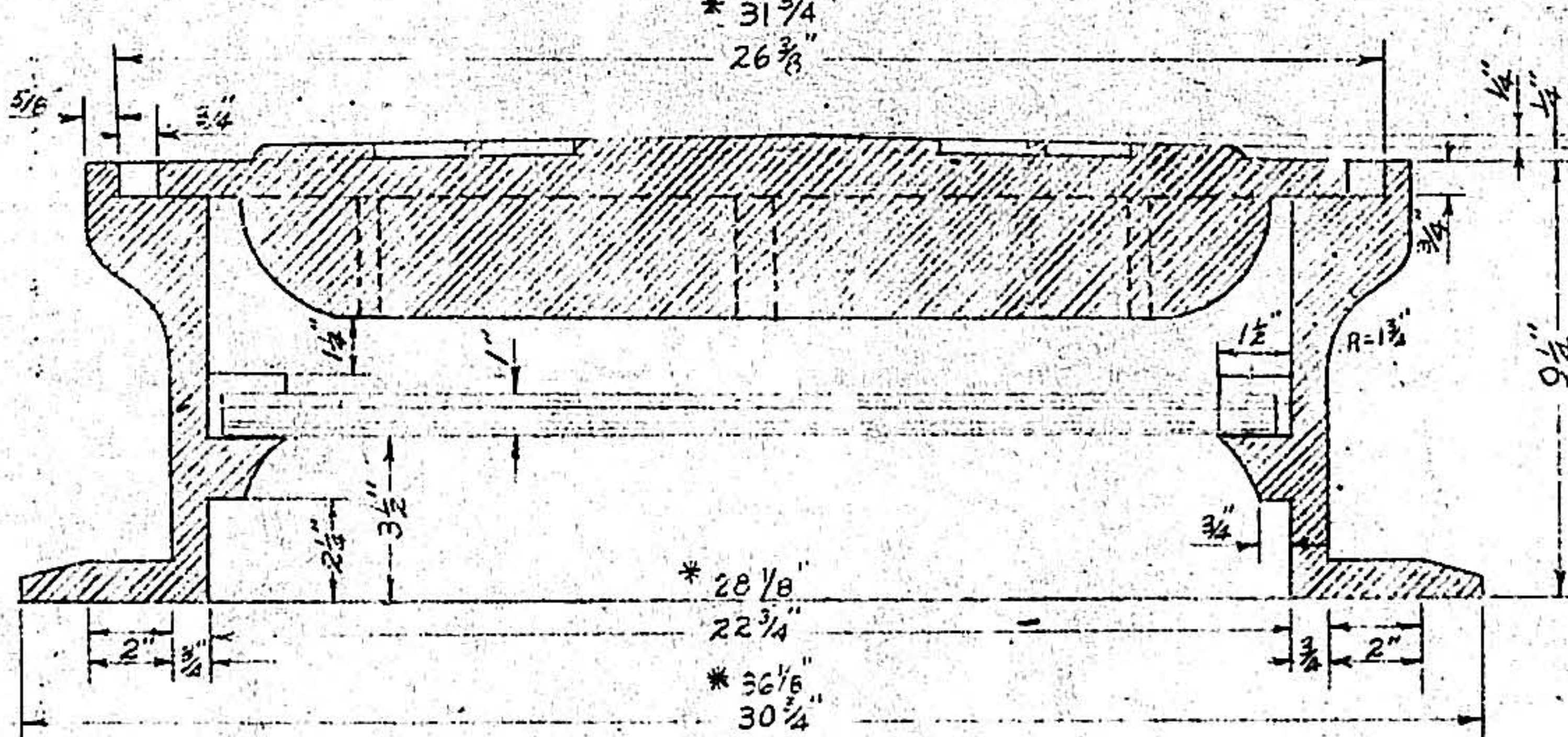
DUST PAN DETAILS

DUST PANS MAY BE WELDED CONSTRUCTION.
AT THE CONTRACTOR'S OPTION, IF WELDED CON-
STRUCTION IS USED, ALL WELDS SHALL BE PAINTED
WITH (2) COATS OF HOT COAL TAR ENAMEL OR EQUAL.

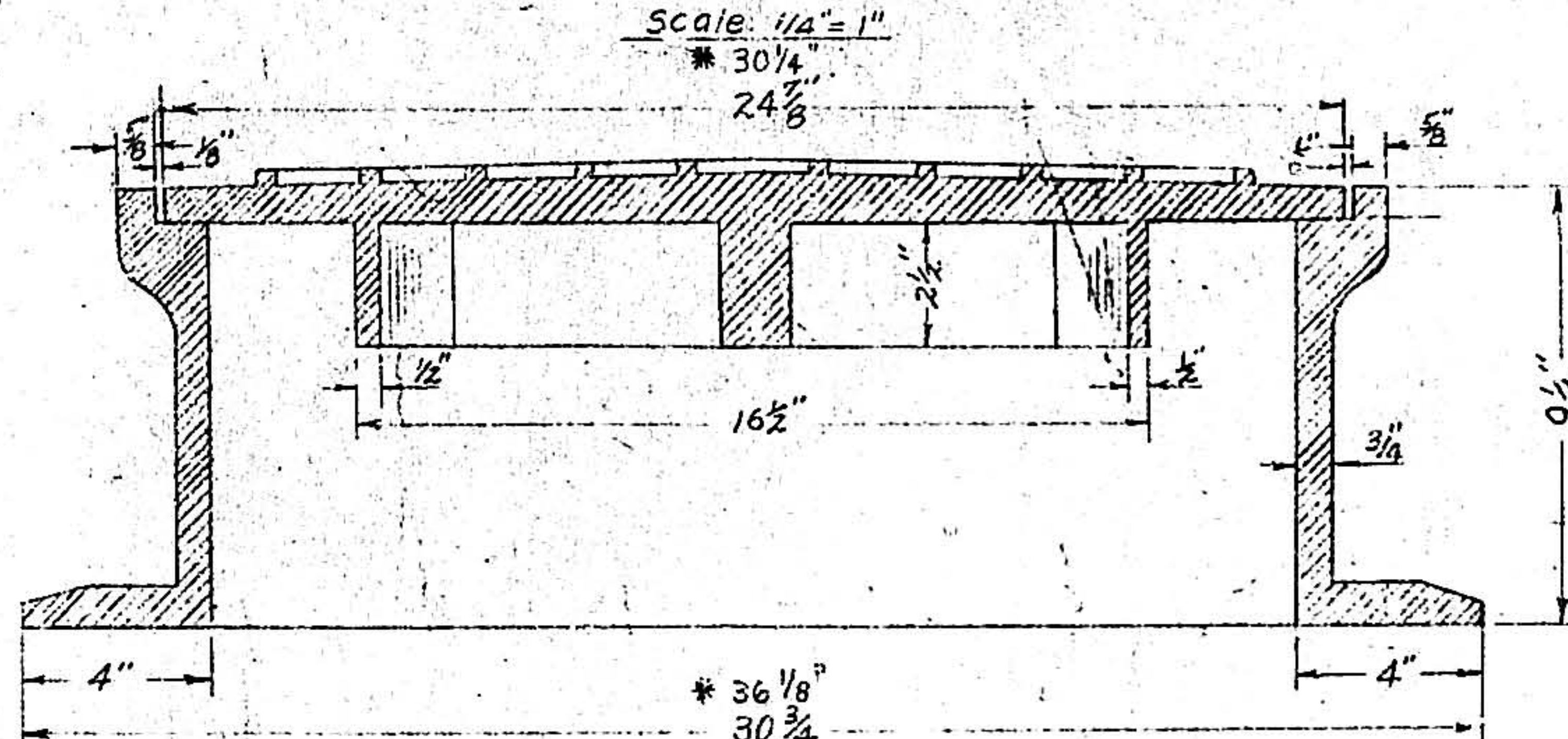


DEVELOPMENT OF PAN SHEET

NOTE:
* = DIMENSIONS FOR SPECIAL MANHOLE FRAME
AND COVER TO BE USED WHEN SPECIFIED FOR
SEWAGE PUMPING STATIONS.



SECTION A-A



SECTION B-B

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
08	51	3	06	51																								

CITY OF ALBUQUERQUE NEW MEXICO ENGINEERING DEPARTMENT STANDARD MANHOLE FRAME & COVER DUST PAN DETAILS	
RECOMMENDED BY <u>E.O. BETH</u>	APPROVED BY _____
DATE _____	DATE _____
DRAWN BY <u>R.M.C.</u>	E.O. FILE NO. _____
CHECKED BY <u>W.E.S.P. RUND</u>	SHEET NO. _____
DATE <u>May 2-1948</u>	

STRUCT. SHEET NO. 2

SHT 6