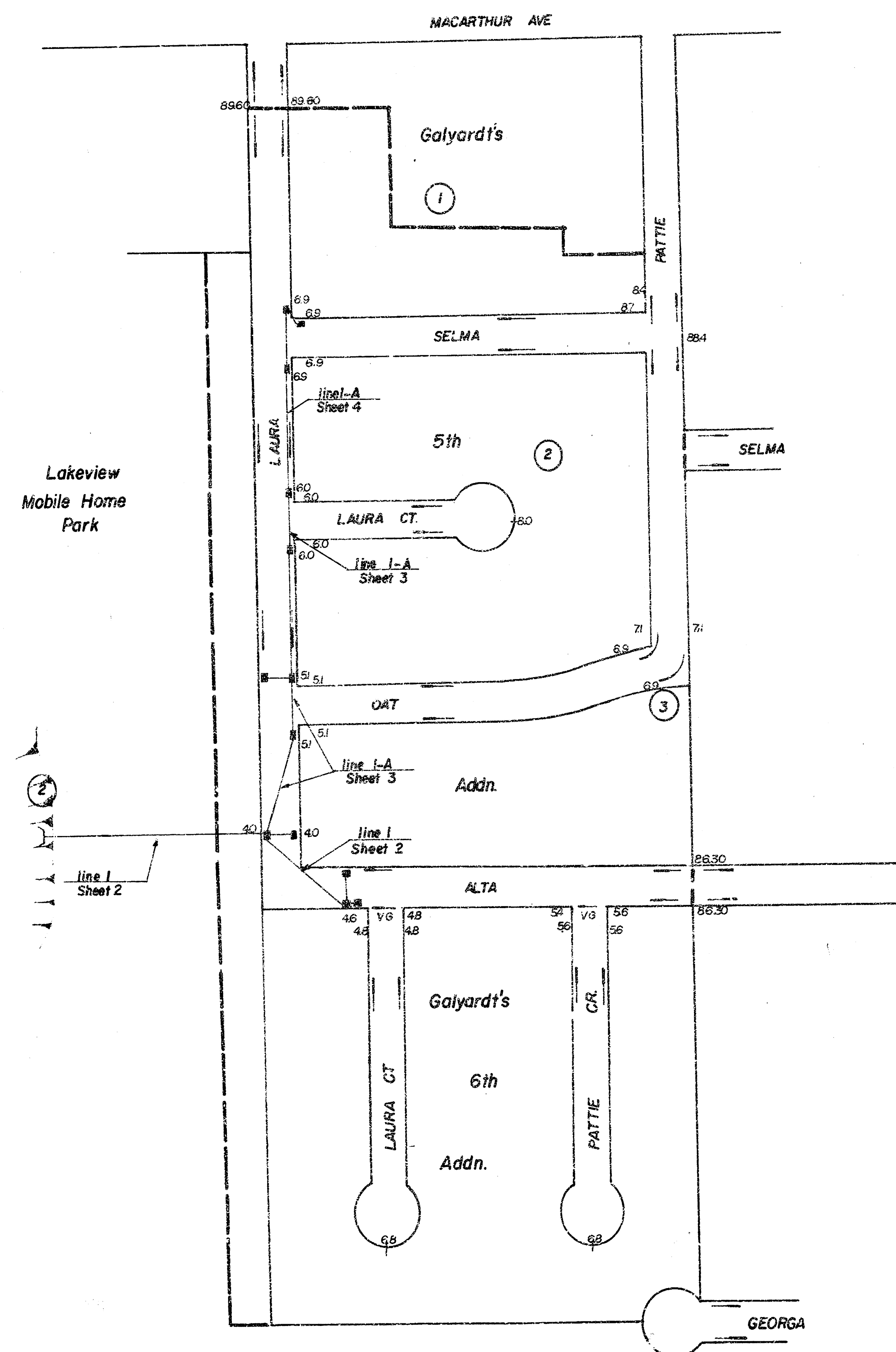


STORM WATER SEWER 143

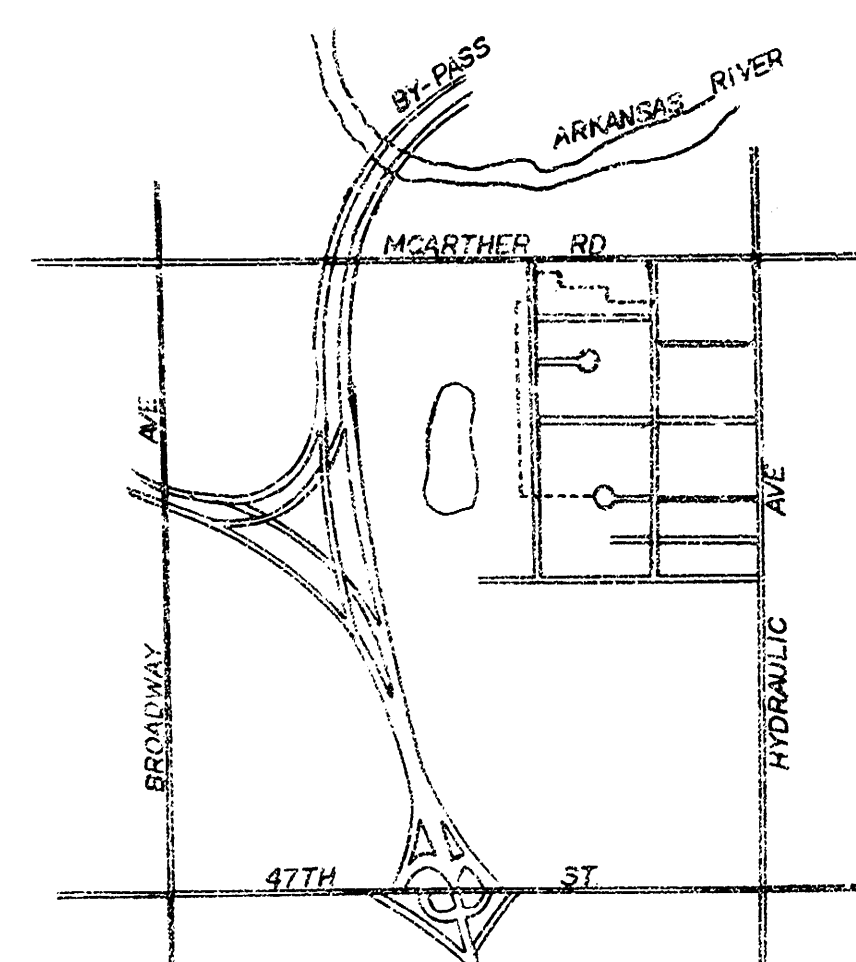
Galyard's 5th Addition

NOTES

- 1) CONTRACTOR SHALL COORDINATE WORK WITH PAVING AND SANITARY SEWER CONTRACTORS AND CONTACT RELEVANT UTILITY COMPANIES AND OTHER AGENCIES INVOLVED WITH THIS PROJECT SITE DEVELOPMENT.
- 2) FIELD ENGINEER SHALL TAKE TIES ON ALL IRON AND THIMBLES IN THE PROJECT AREA PRIOR TO CONSTRUCTION. FIELD ENGINEER SHALL REPLACE ALL SUCH IRONS AND THIMBLES DISTURBED DURING CONSTRUCTION.
- 3) ALL CONCRETE SHALL BE "6-SACK CONCRETE" UNLESS OTHERWISE NOTED.
- 4) HEADWALL AT PIPE OUTFALL SHALL BE CONSTRUCTED TO ALIGN WITH THE SLOPE OF THE BANKS IN ORDER THAT WALL PROTRUSION IS MINIMUM. WHERE SUCH PROTRUSION CANNOT BE AVOIDED, FILL AROUND WALLS AT APPROXIMATELY 5:1 SIDE SLOPE SO HEADWALL APPEARS ENTIRELY RECESSED.
- 5) CONTRACTOR SHALL HAVE THE OPTION OF INSTALLING PRE-CAST TYPE 1A CURB INLET IN LIEU OF THE BRICK TYPE STRUCTURE. SEE STANDARD DETAIL PRE-CAST TYPE 1A CURB INLET DATED AUGUST, 1979.



Scale 1"=150'



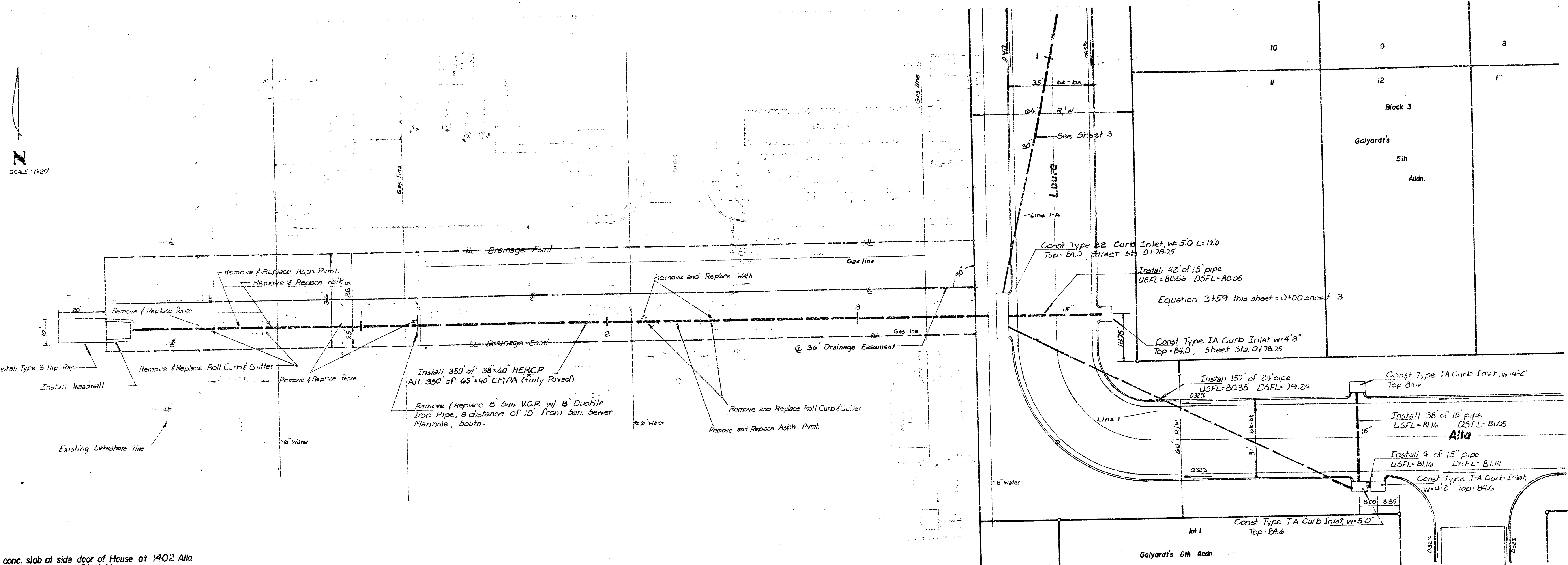
VICINITY MAP
Scale 1"=2000'

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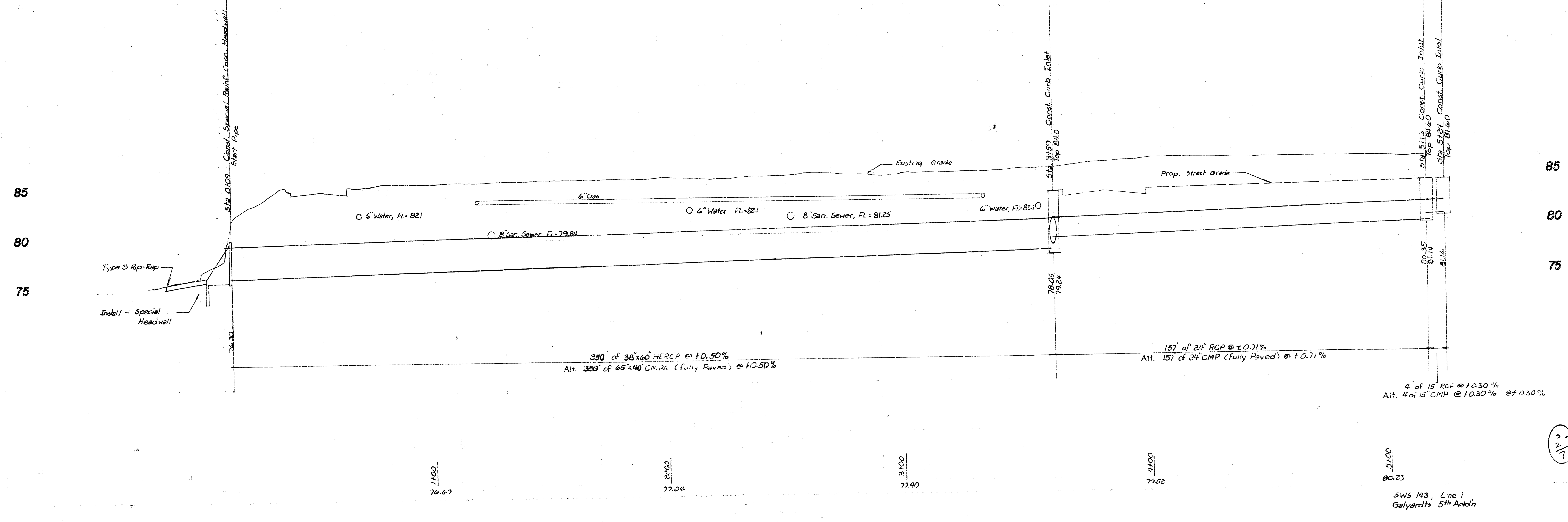
Page 1	Title Sheet
2-4	Plan and Profile
5	Detail Type 1A Curb Inlet
6	Detail Type 22 Curb Inlet
7	Sewer Appurtenances
8	Headwall Detail

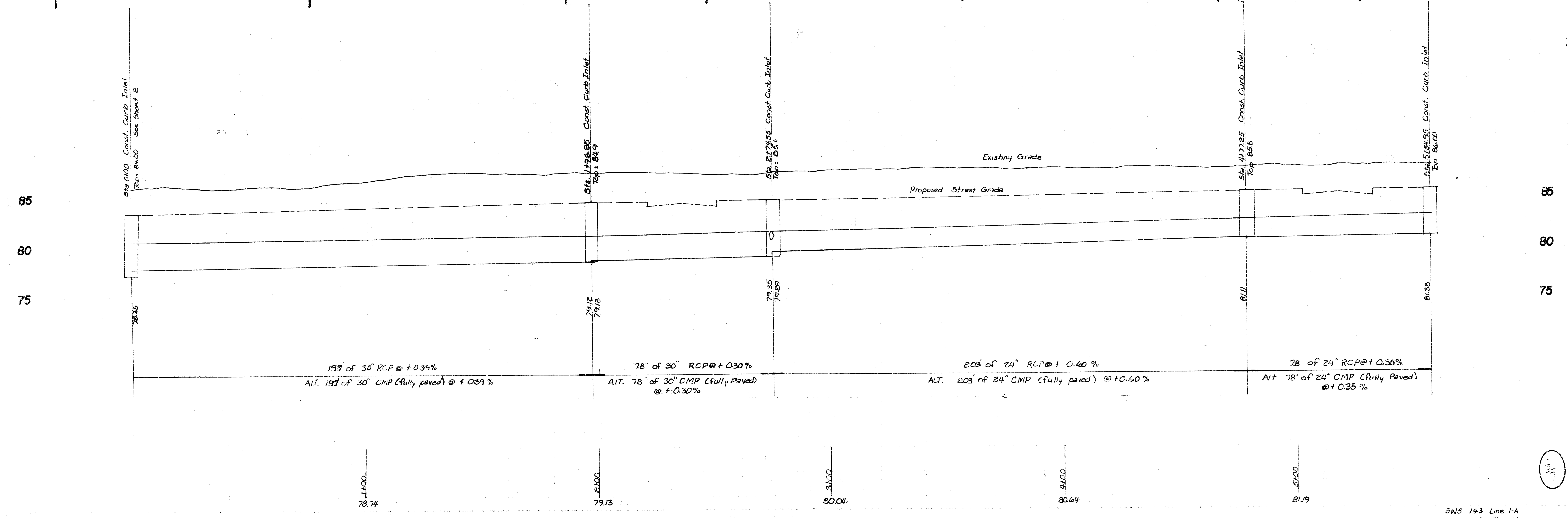
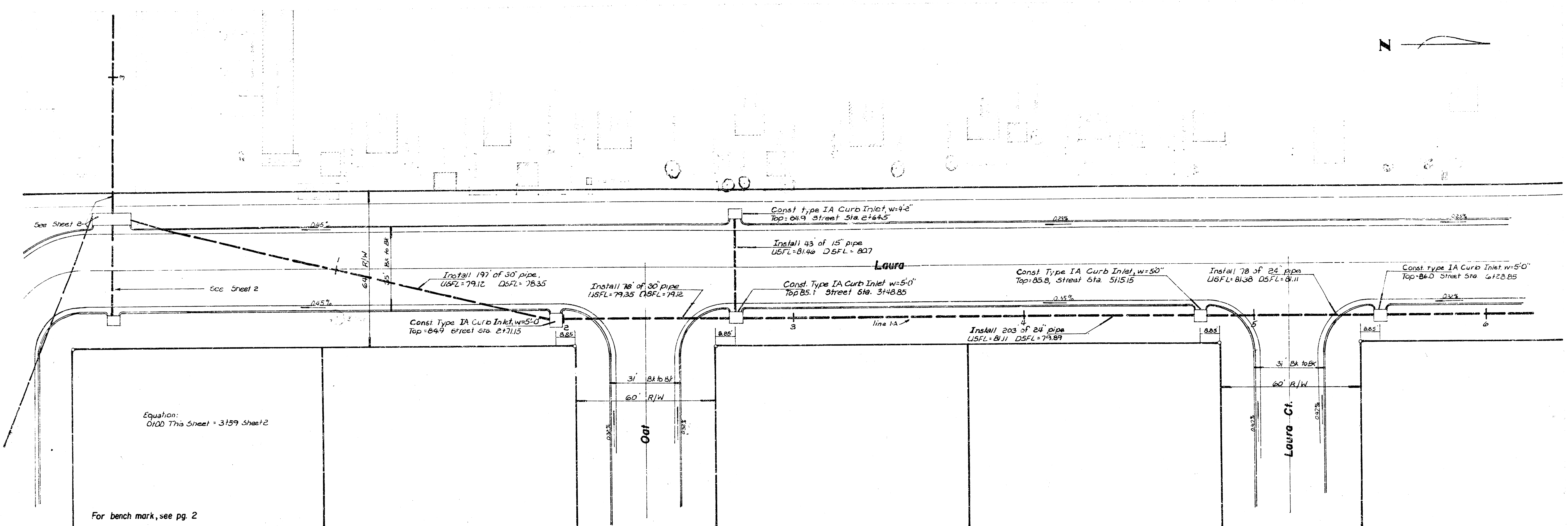
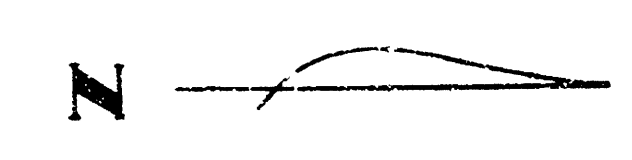
City of Wichita, Kansas
Dean Sellers, Acting City Engineer
Proj.no. 468-76-245-80659-000-000-001
Date _____



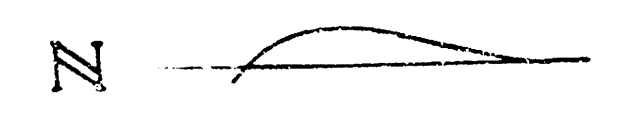


BM 8768 Nth cor. of conc. slab at side door of House at 1402 Alh approx. 15' E of EL Galyard's 5th Addn.
 BM 8601 "1" cut on top E. cb of Shady Grove at SL Parklawn





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For bench mark, see pg. 2

85
80
75

85
80
75

8100
8023

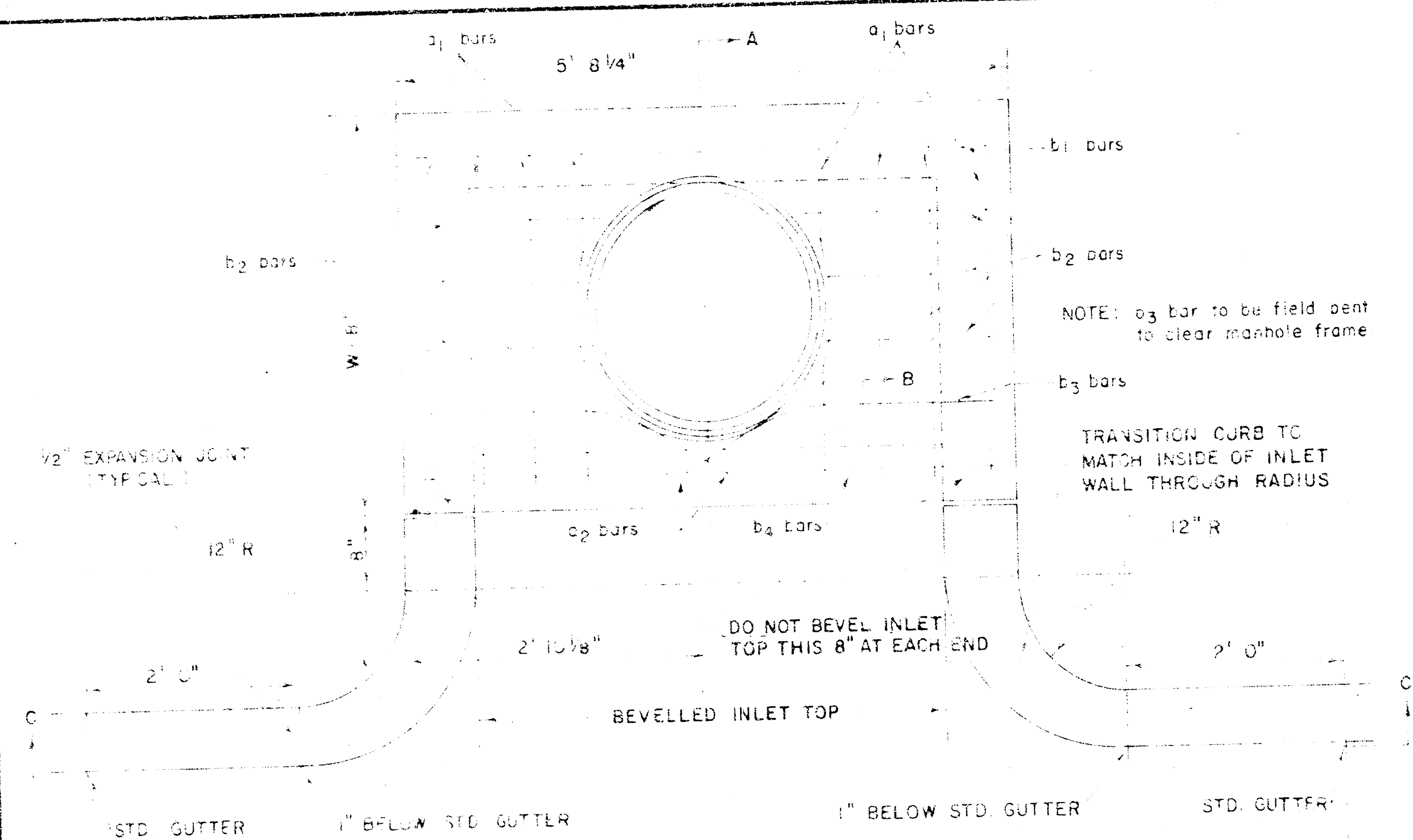
8100
8180

8100
8220

8100
8239

SW 1/4 Sec 13 Line 1A
Garland's 5th Addn.

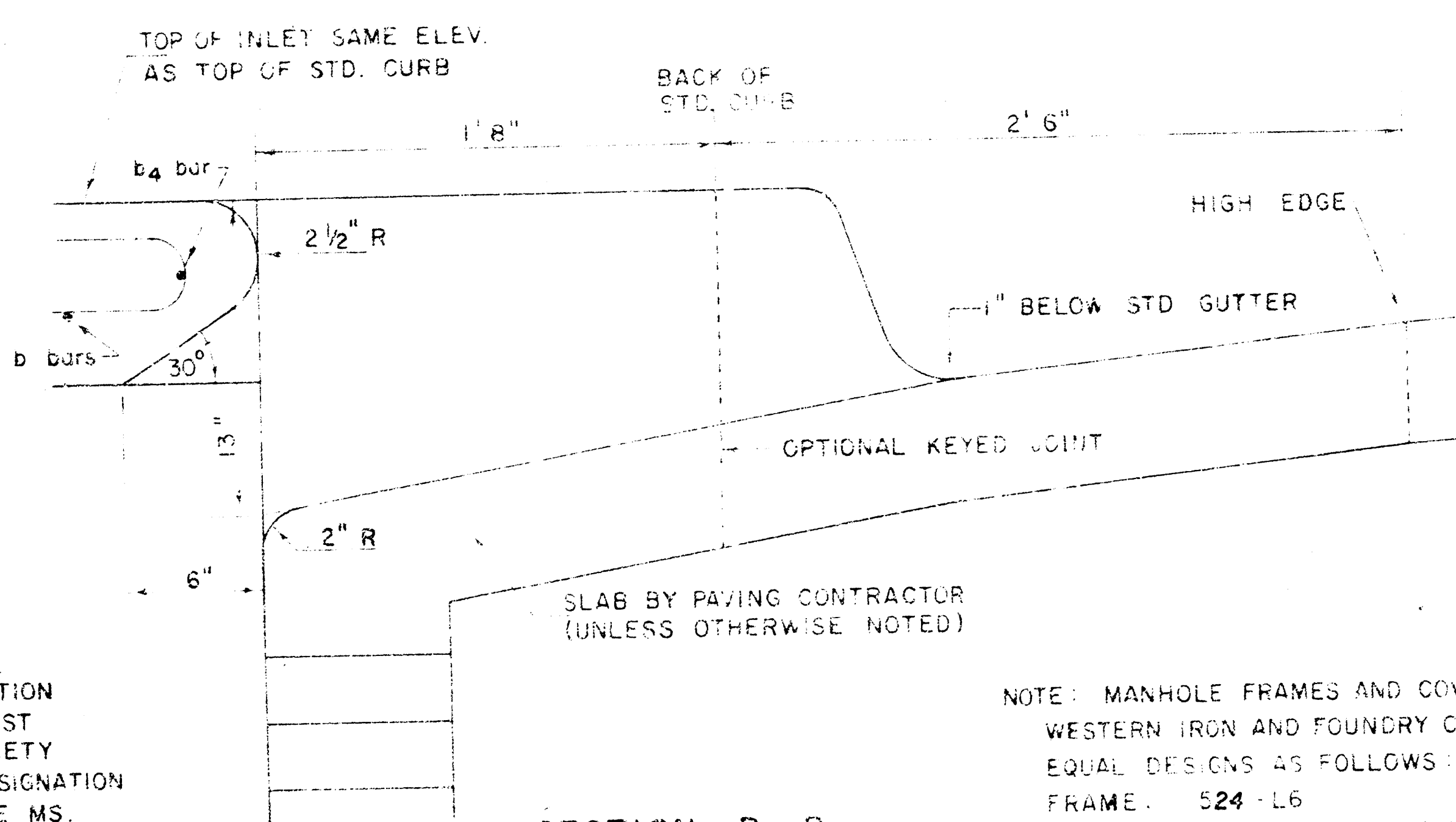
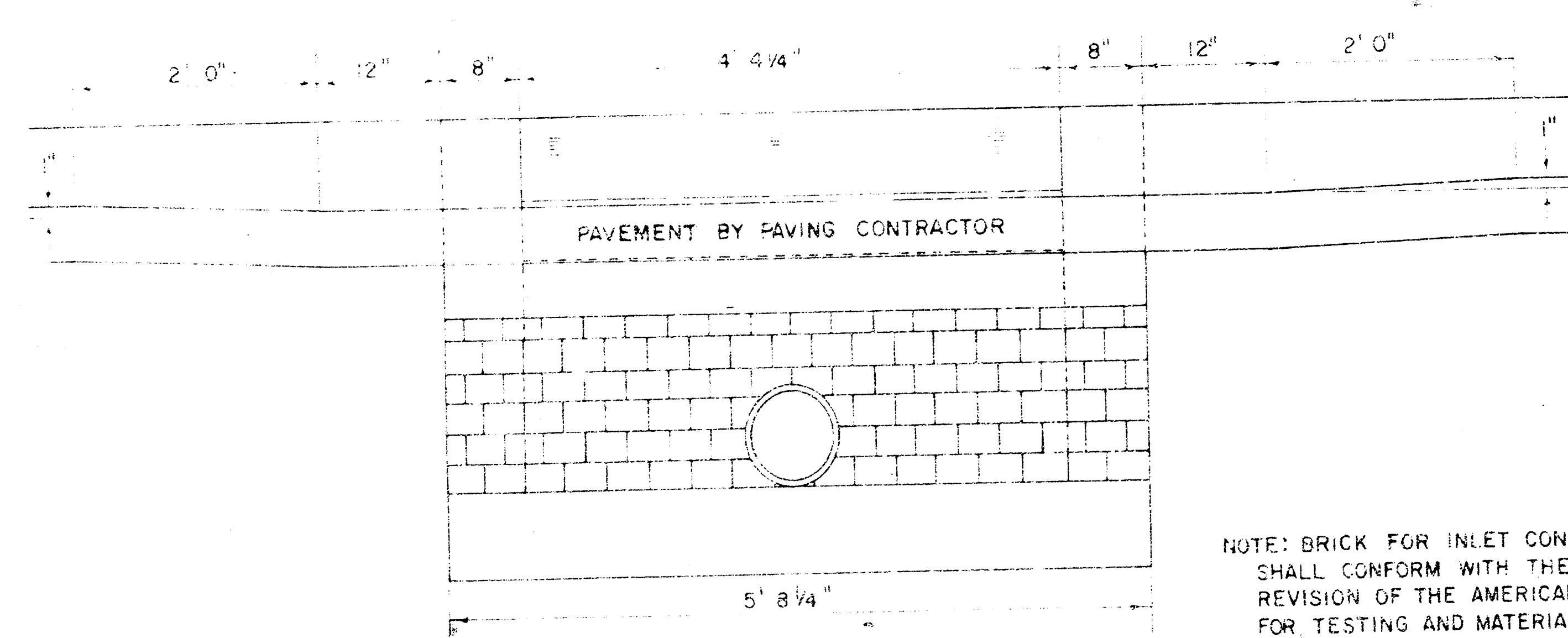
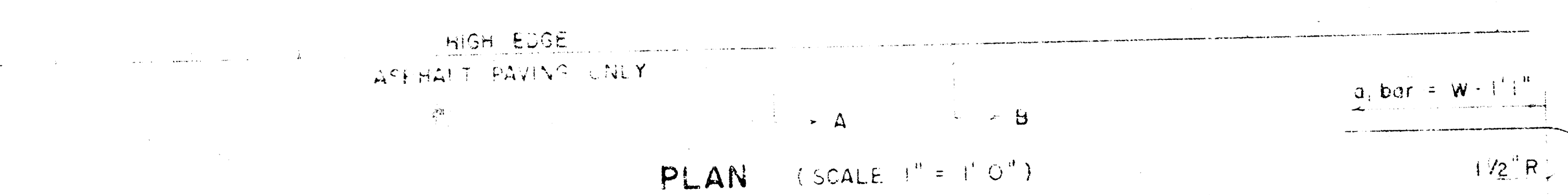
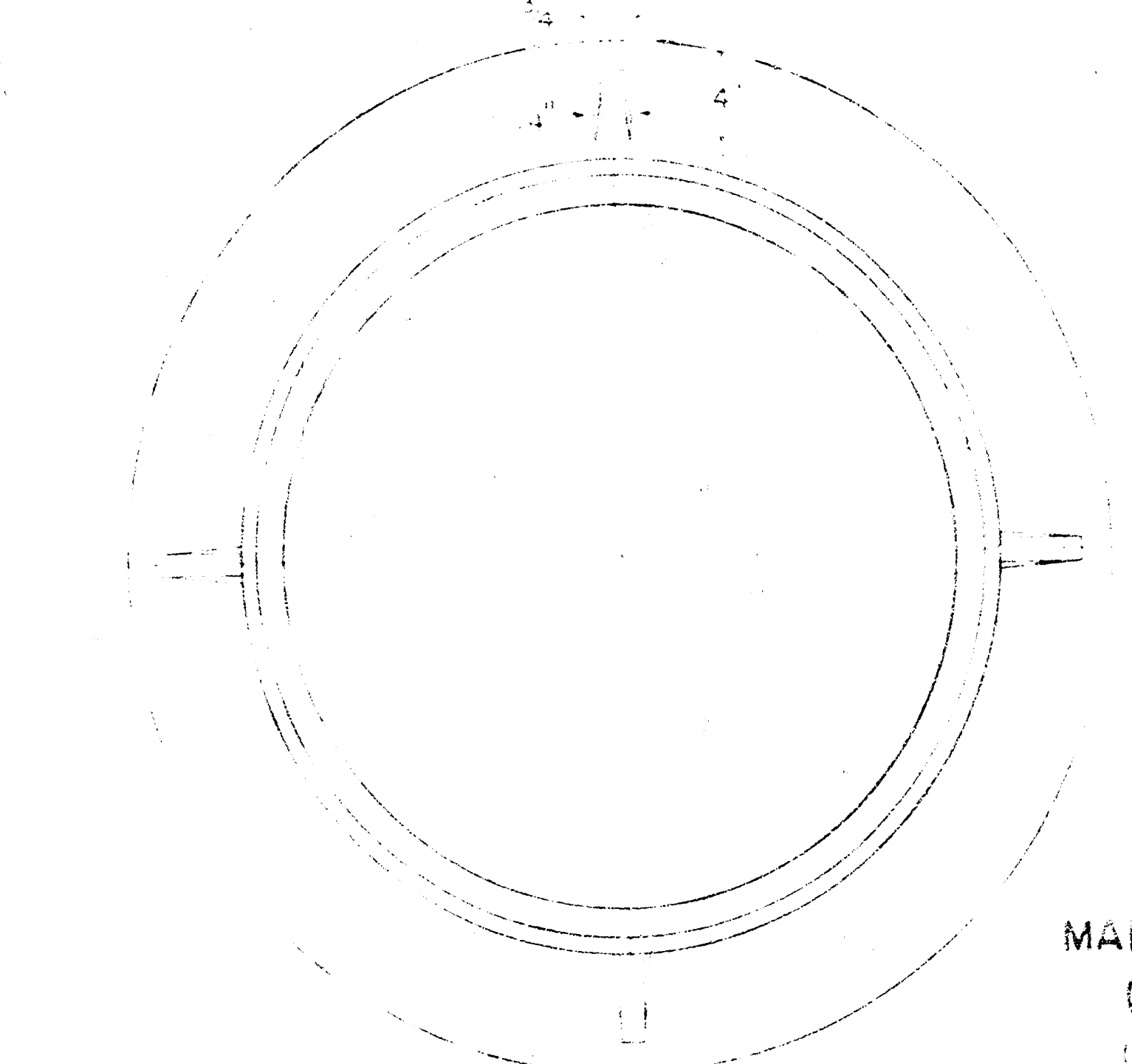
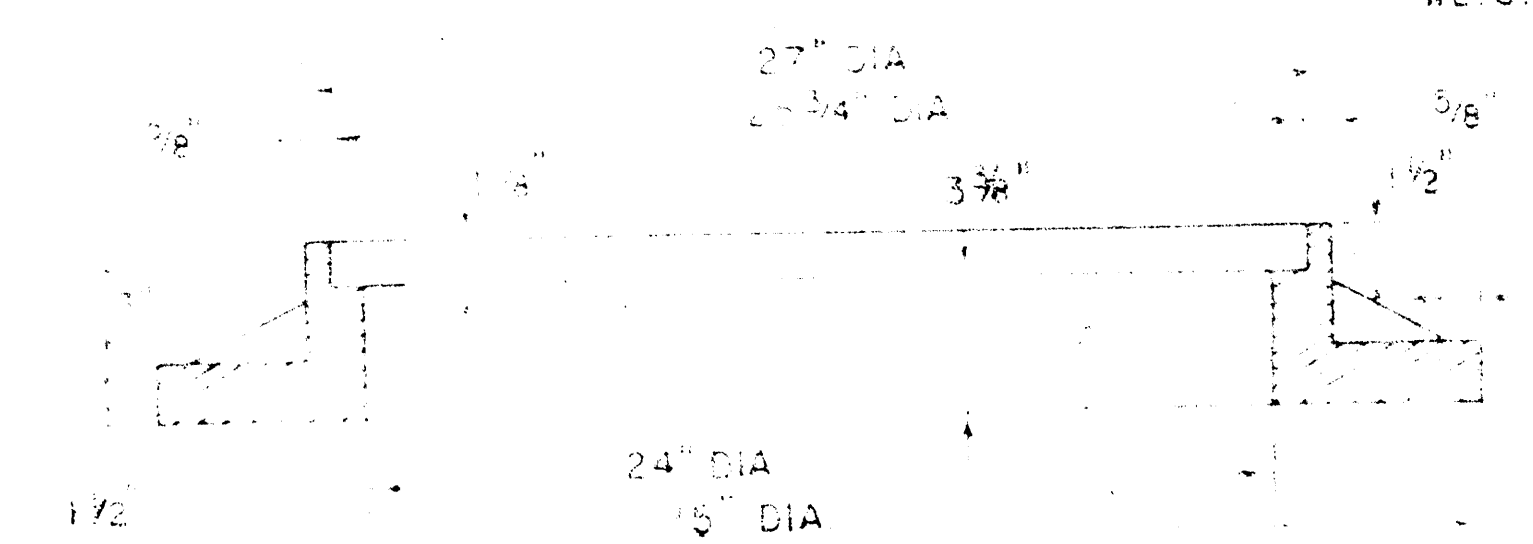
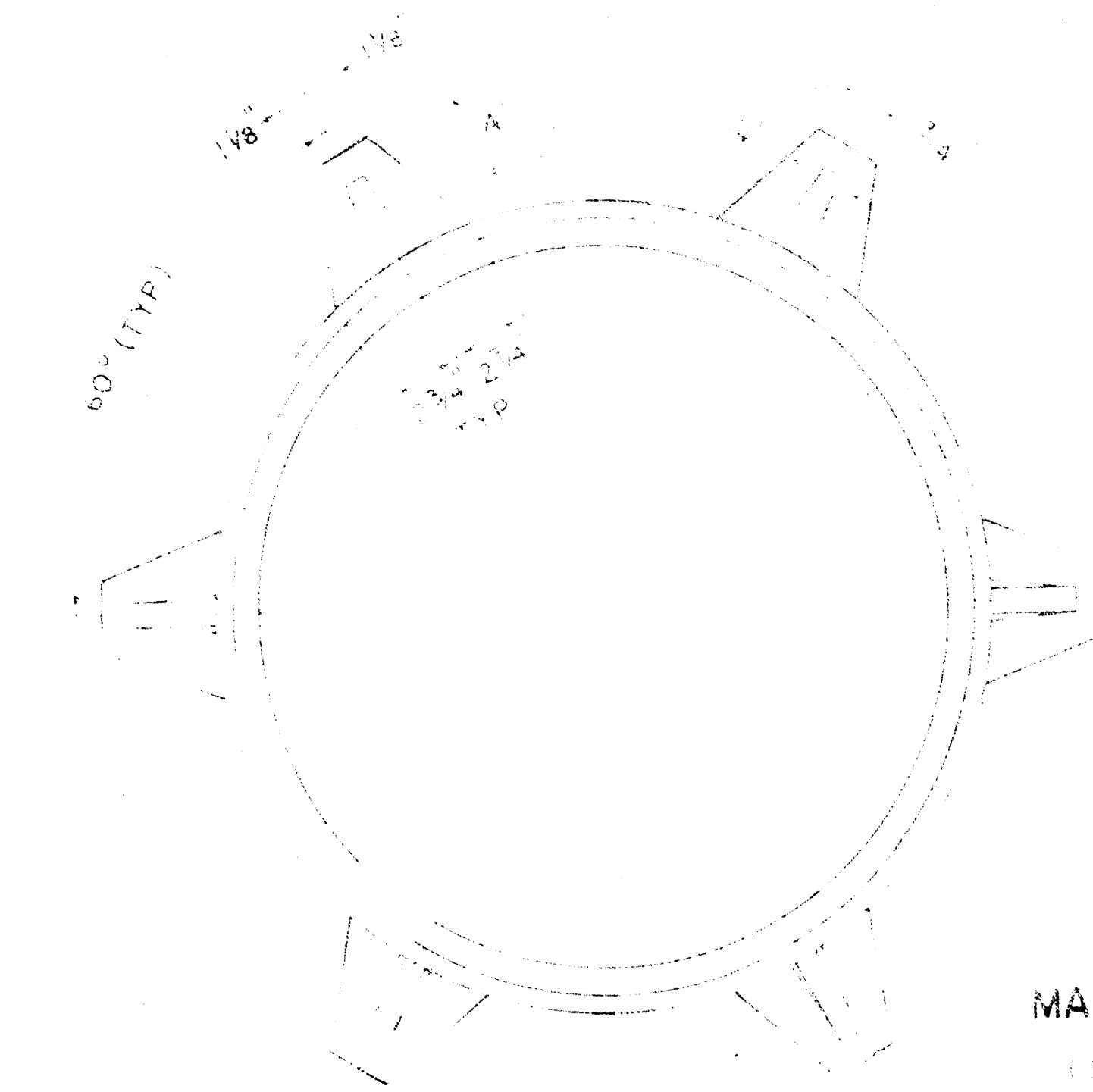
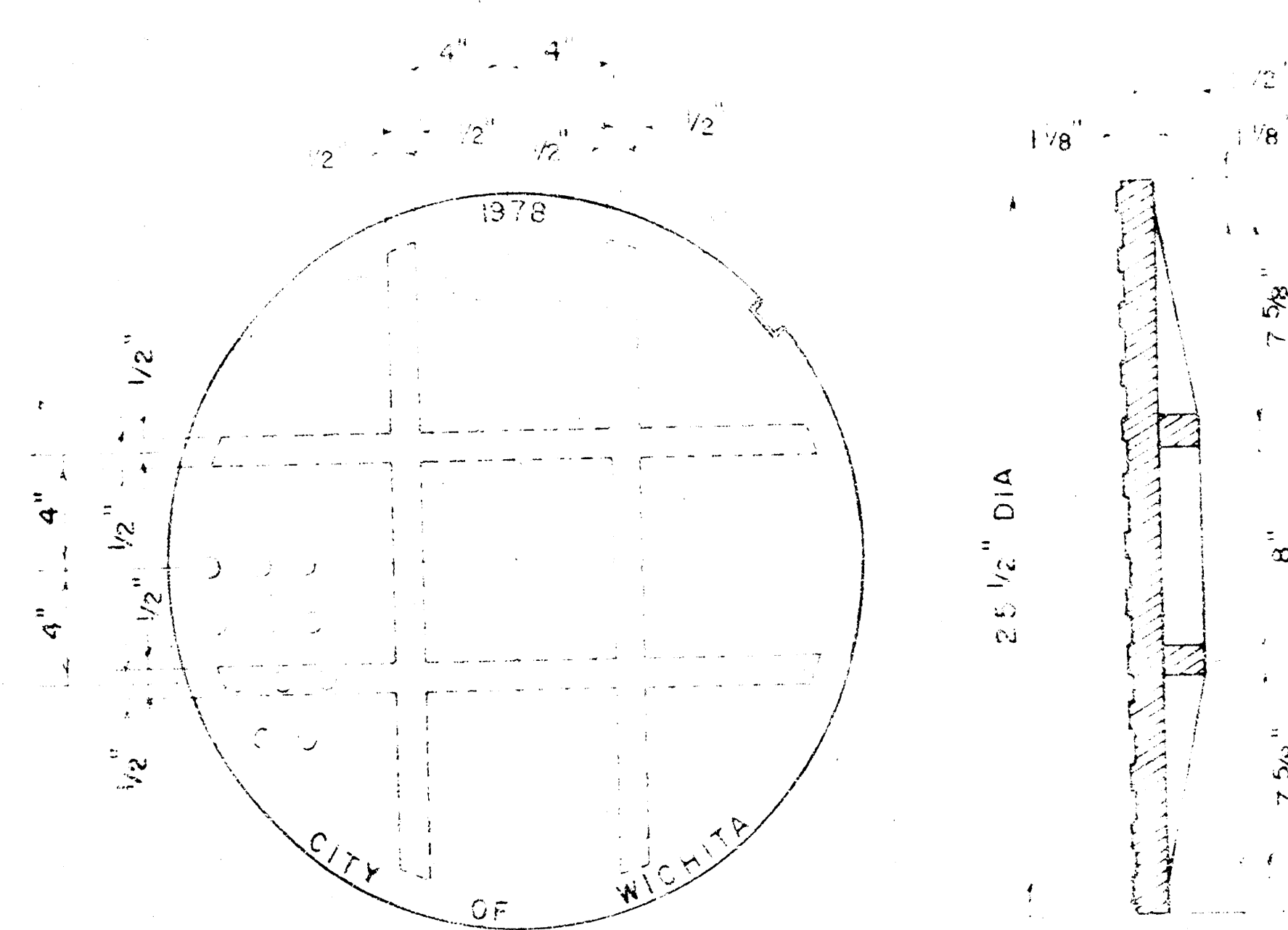
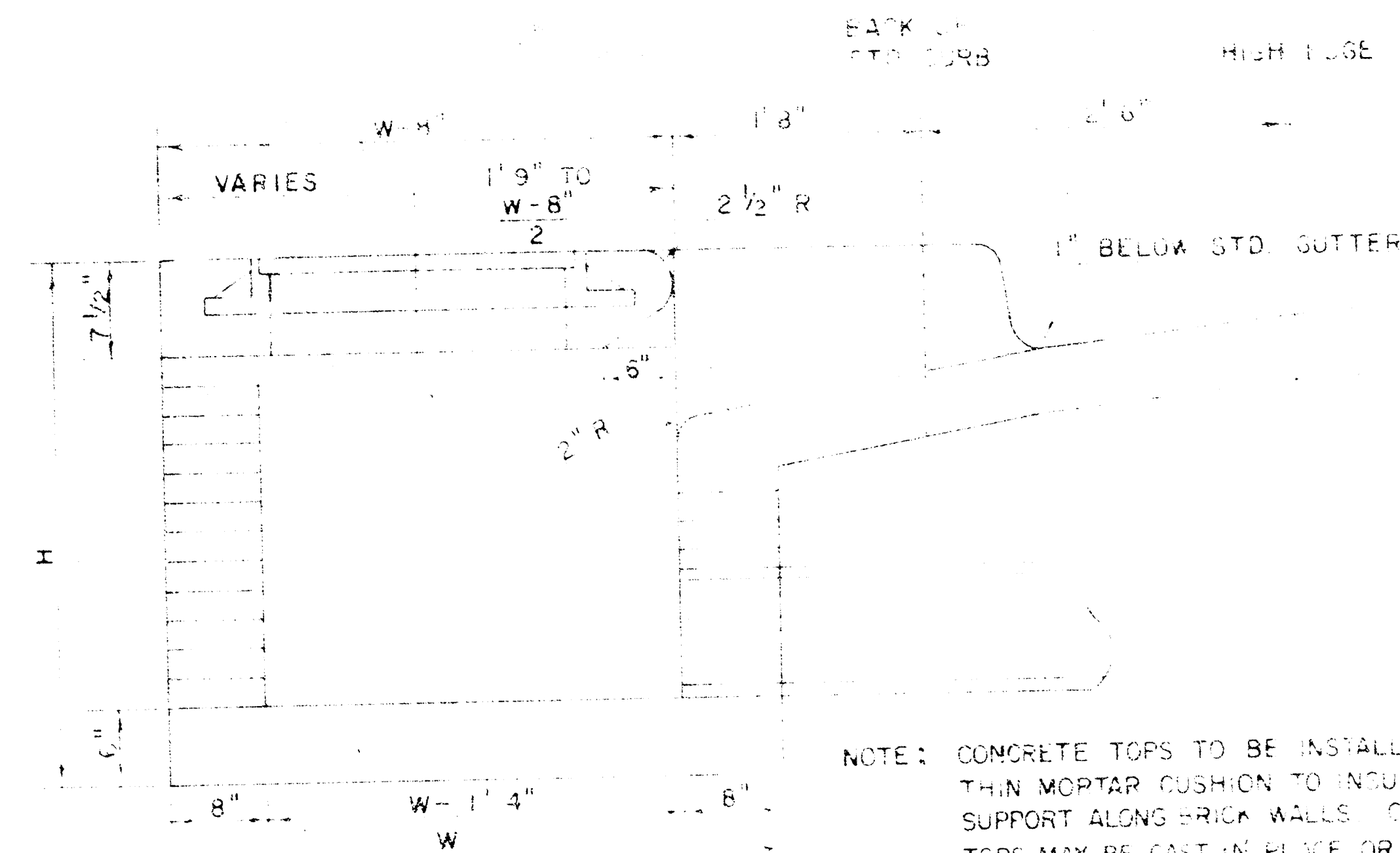
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STEEL SCHEDULE

BAR	b ₁	b ₂	b ₃	b ₄	Wt LBS
NUMBER	1	2	3	4	
SIZE	#1	#2	#3	#4	#6
W=4"2"	6"5"	5"4"	5"5"	-	-
W=5"6"	3"1"	4"4"	-	5"5"	-
W=6"0"	10"1"	5"4"	-	5"5"	-
W=7"0"	11"1"	6"4"	-	5"5"	-
W=8"0"	12"1"	7"4"	-	5"5"	-
W=1"5"	5"6"	5"5"	5"5"	60"	
W=1"5"	5"6"	5"5"	77"		
W=1"5"	5"6"	5"5"	97"		
W=1"5"	5"6"	5"5"	110"		
W=1"5"	5"6"	5"5"	124"		

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU YD. CONC.
4' 2"	36" x 5'8 1/4" x 7'1/2"	21" & SMALLER	0.46 *
5' 0"	44" x 5'8 1/4" x 7'1/2"	24" & 30"	0.57 *
6' 0"	54" x 5'8 1/4" x 7'1/2"	36" & 42"	0.71 *
7' 0"	64" x 5'8 1/4" x 7'1/2"	48" & 54"	0.94 *
8' 0"	74" x 5'8 1/4" x 7'1/2"	60" & 66"	0.97 *



NOTE: MANHOLE FRAMES AND COVER ARE
WESTERN IRON AND FOUNDRY CO. INC. OR
EQUAL DESIGNS AS FOLLOWS:
FRAME. 524-L6
FRAME (ALTERNATE): 500 A4
COVER: 222-54 "NOBBY"

DETAIL STANDARD TYPE 1A CURB INLET
CITY OF WICHITA, KANSAS
R. W. LINN - CITY ENGINEER
OCTOBER 1978

THWA NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS		197		

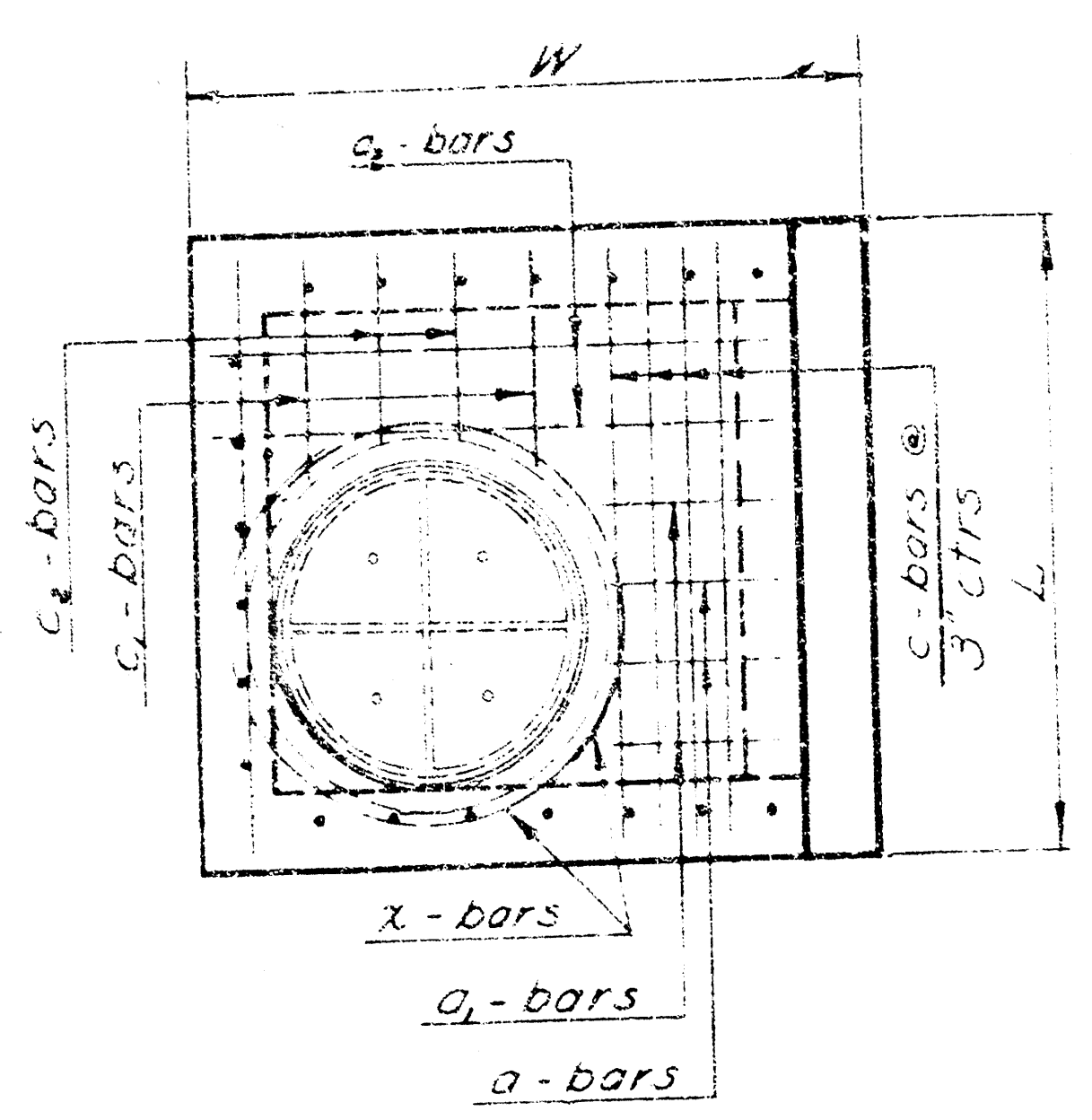
GENERAL NOTE

CONCRETE
Storm Sewer Inlets shall be constructed of either Class A Concrete or Class A Concrete (A.E.) at the Contractor's option. However, payment shall be made for cubic yards of Class A concrete (Miscellaneous).
Bevel all exposed 90° concrete edges with a 3/4" triangular bevel.

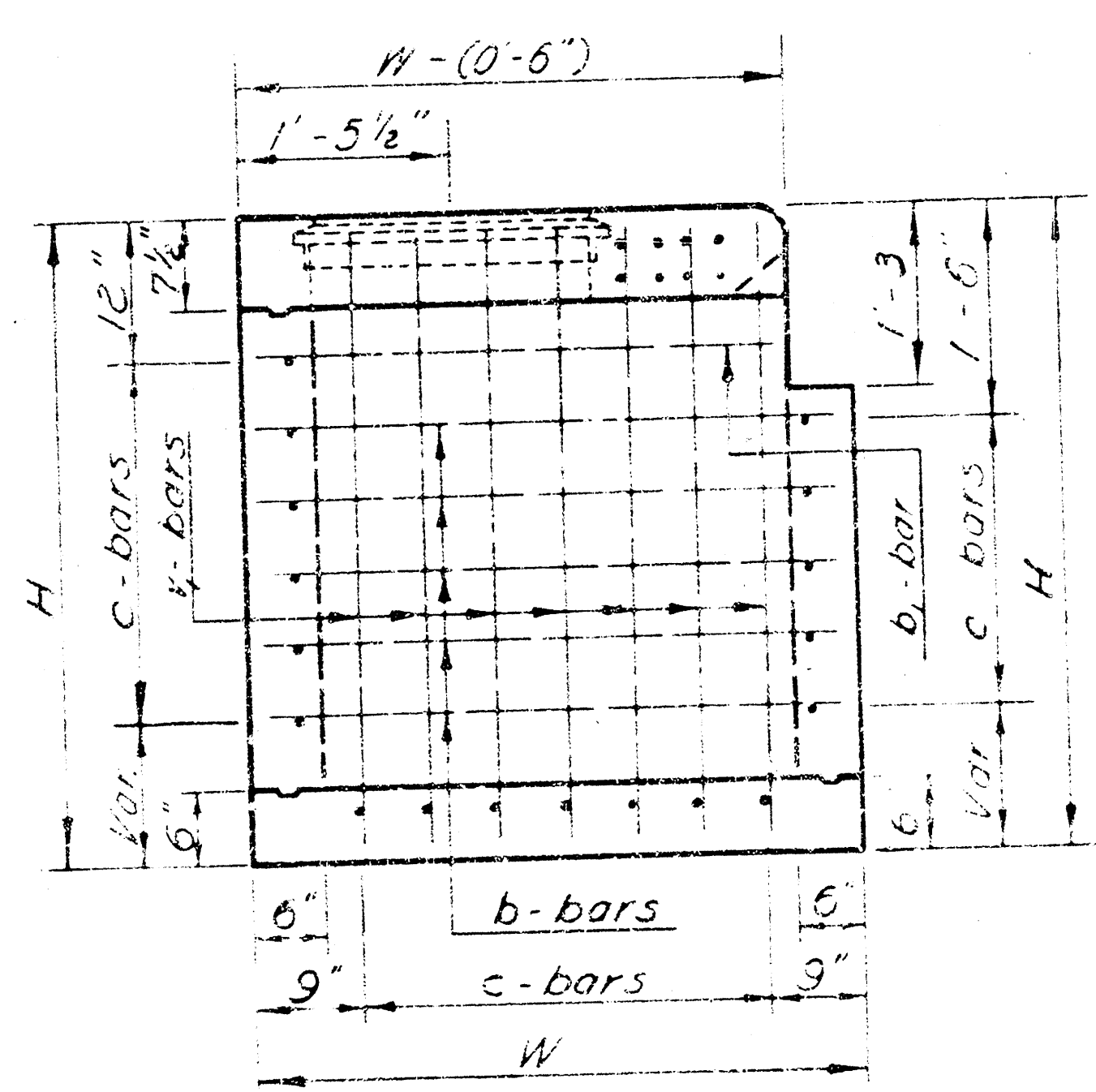
CAST IRON
All exposed cast iron surfaces, not subject to traffic, shall receive a coat of a zinc dust paint applied either in the shop or in the field, and two coats of aluminum paint, applied in the field.

REINFORCING STEEL
All dimensions relative to reinforcing steel are to the center of bars unless otherwise noted on the plans. Reinforcing steel shall be spaced at 6" centers and shall be 1/2" clear distance from slab surfaces unless otherwise shown on the plans.
All reinforcing steel shall be placed within 1/4" of plan dimension unless waived by the Engineer.
Reinforcing steel shall be bent around all pipes unless otherwise directed by the Engineer.
See plan sheet entitled "REINFORCING STEEL FOR INLETS AND JUNCTIONS" for reinforcing steel quantities and fabrication details.

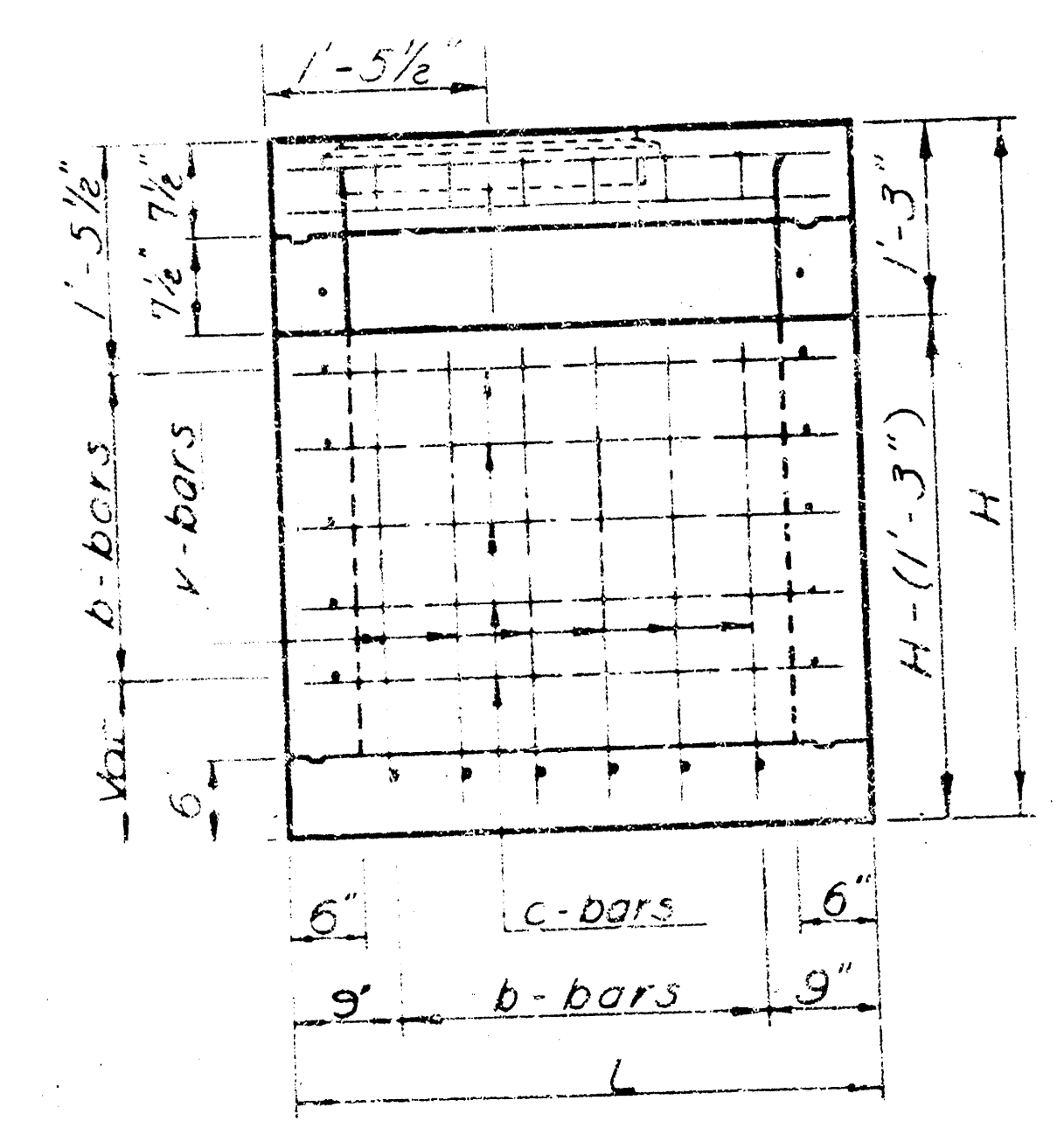
MISCELLANEOUS
When directed by the Engineer, the top of the inlet shall be sloped in order to match the longitudinal roadway grade, ground line, and/or other conditions.
When directed by the Engineer, small openings may be required in the back of the inlet in order to drain a low area. No deductions in concrete quantities will be made for these openings.
Expansion joint material shall be either poured joint sealing compound (hot or cold) or pre-molded joint filler (non-extruding Type B) unless otherwise noted on the plans.
Inlet floors shall be shaped as shown on the plan sheet entitled "TYPICAL FLOOR SHAPING FOR INLETS AND JUNCTIONS". No concrete quantities shall be computed for this work.
Gutter shaping shall be accomplished as shown, and payment shall be subsidiary to the adjacent type of curb and gutter.



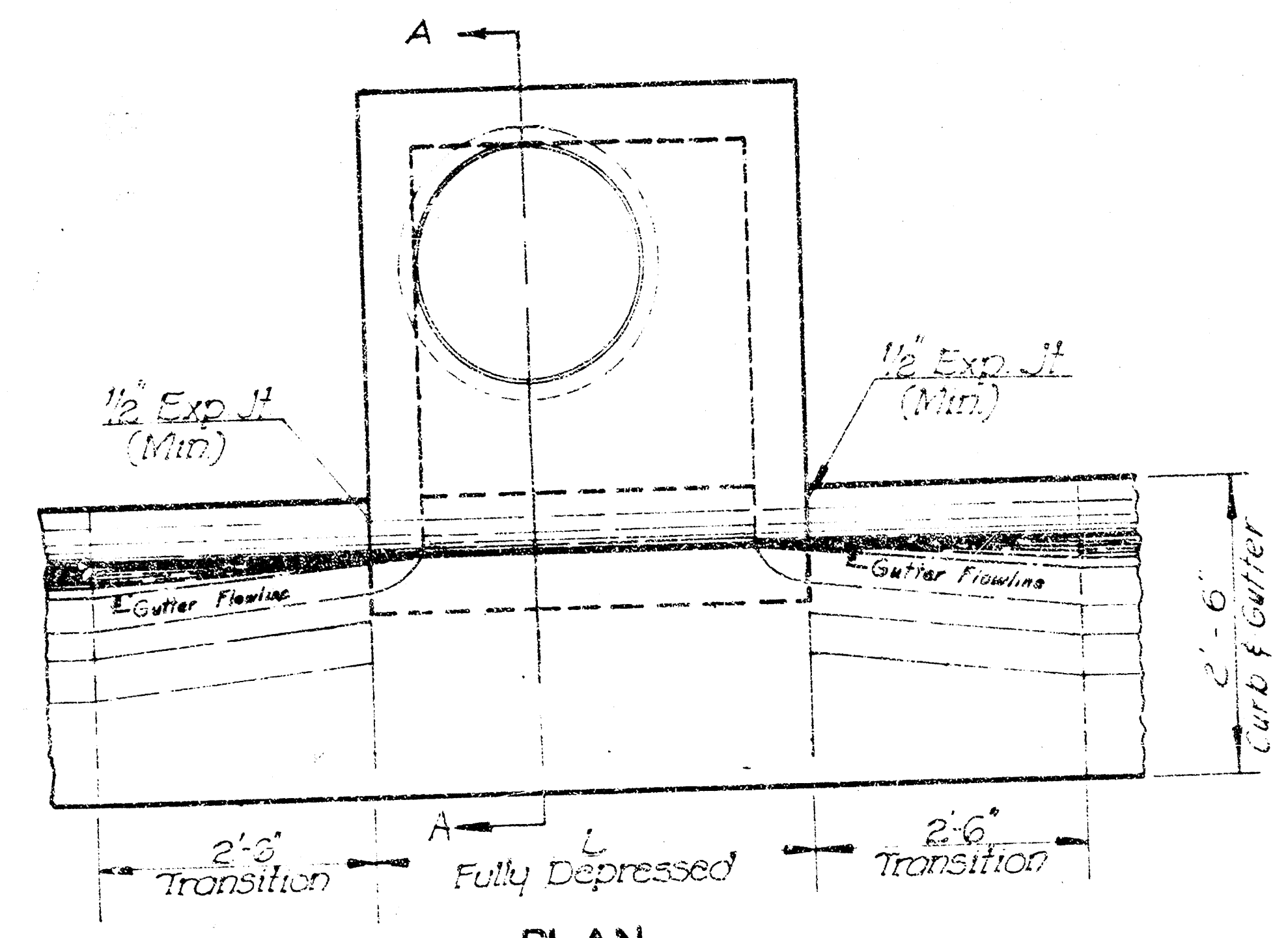
TOP VIEW



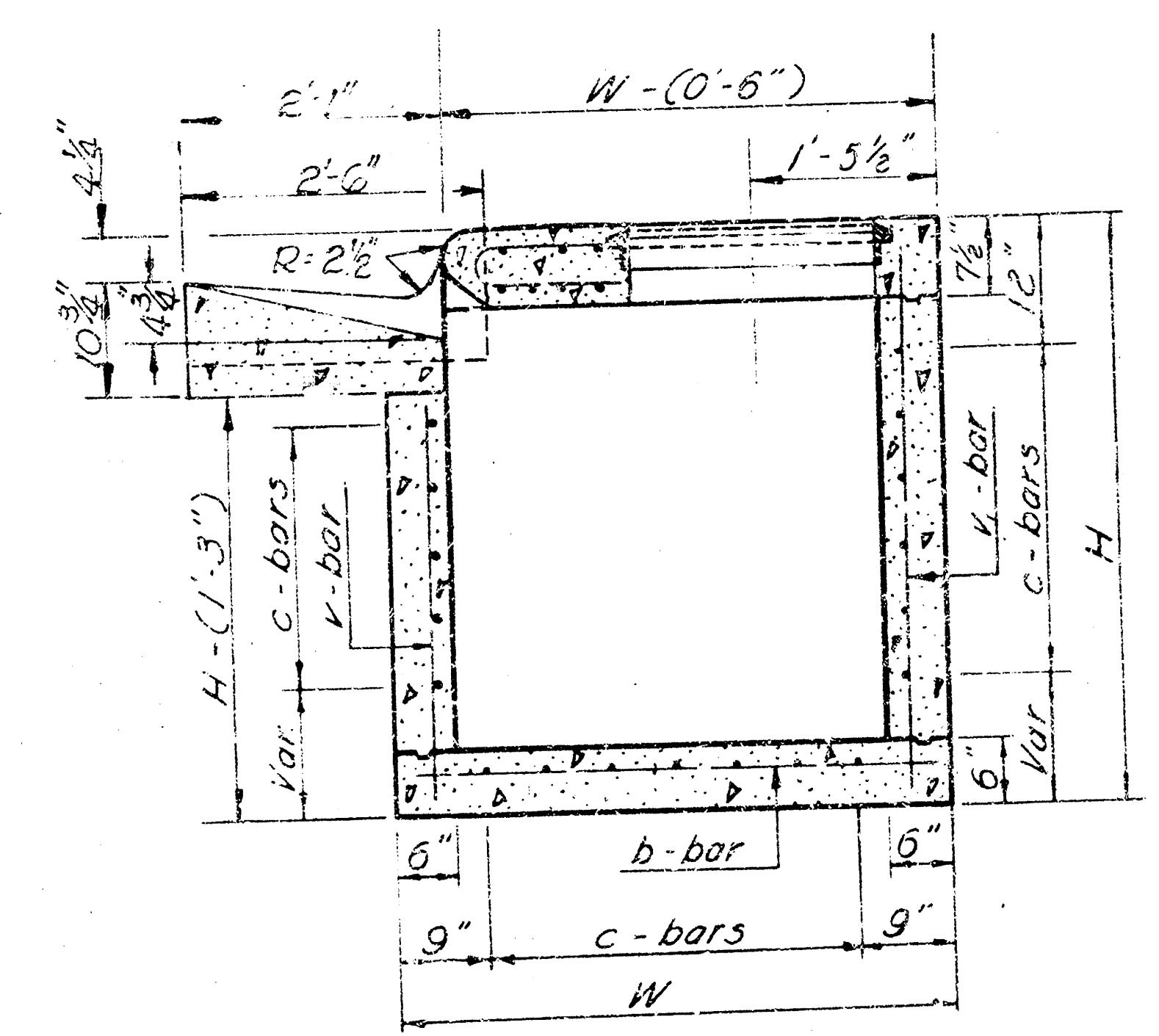
SIDE VIEW



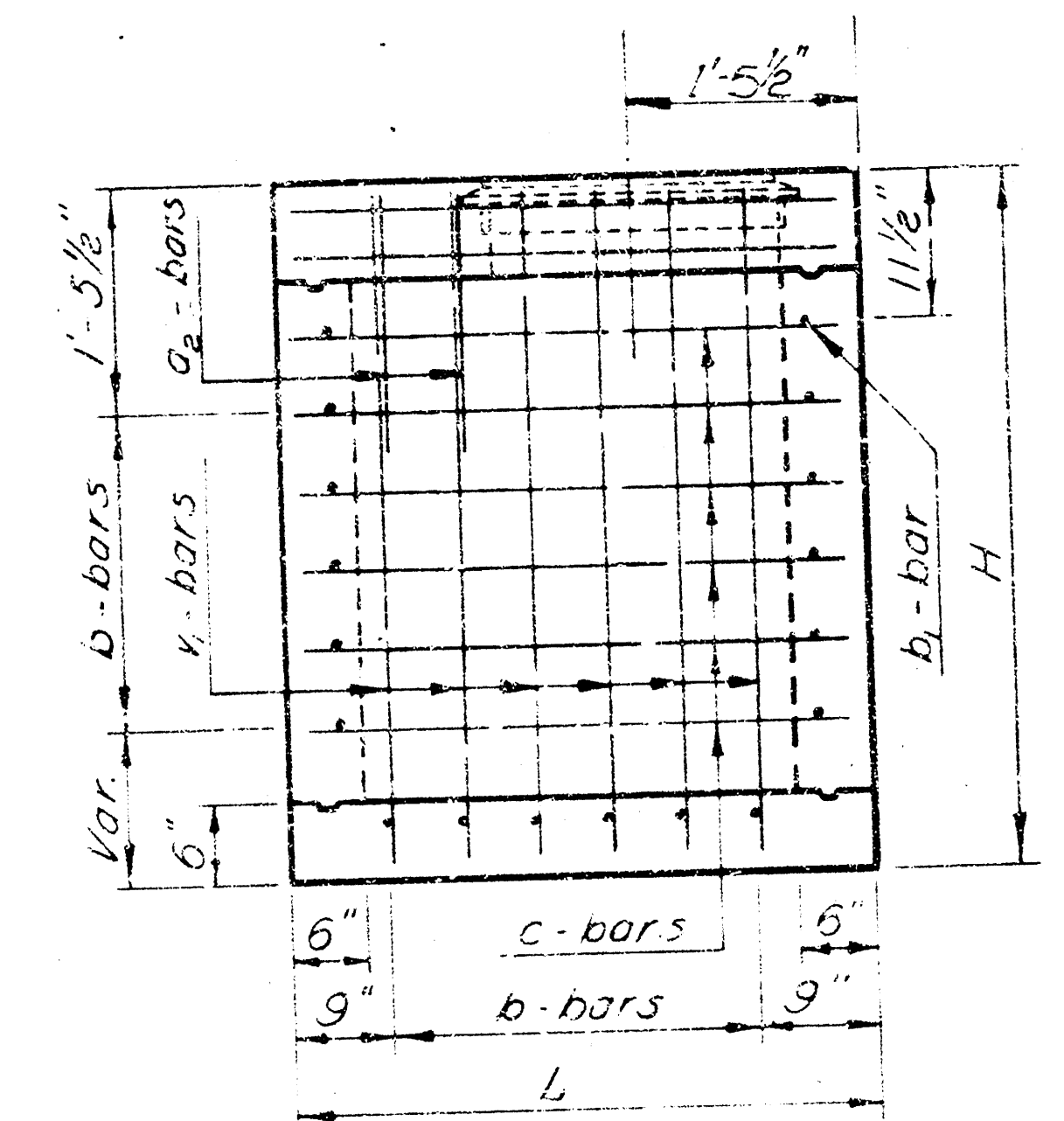
FRONT VIEW



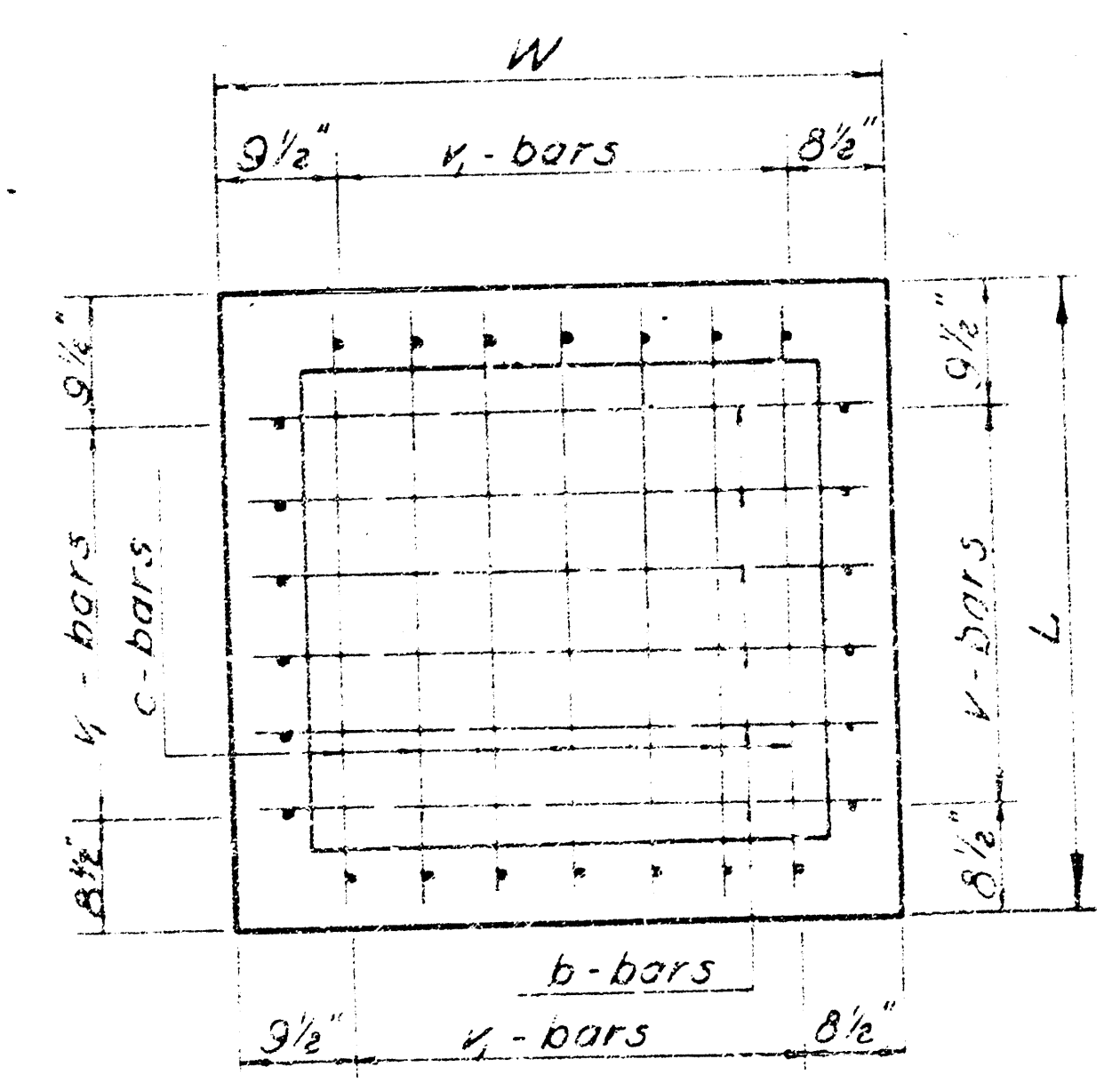
PLAN



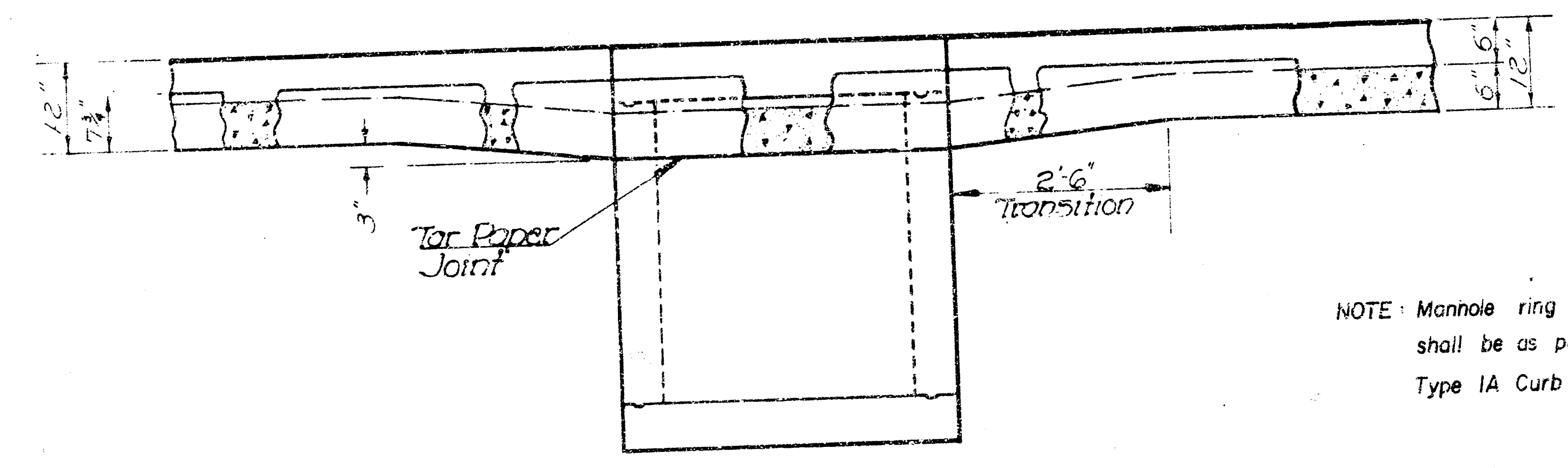
SECTION A-A



REAR VIEW



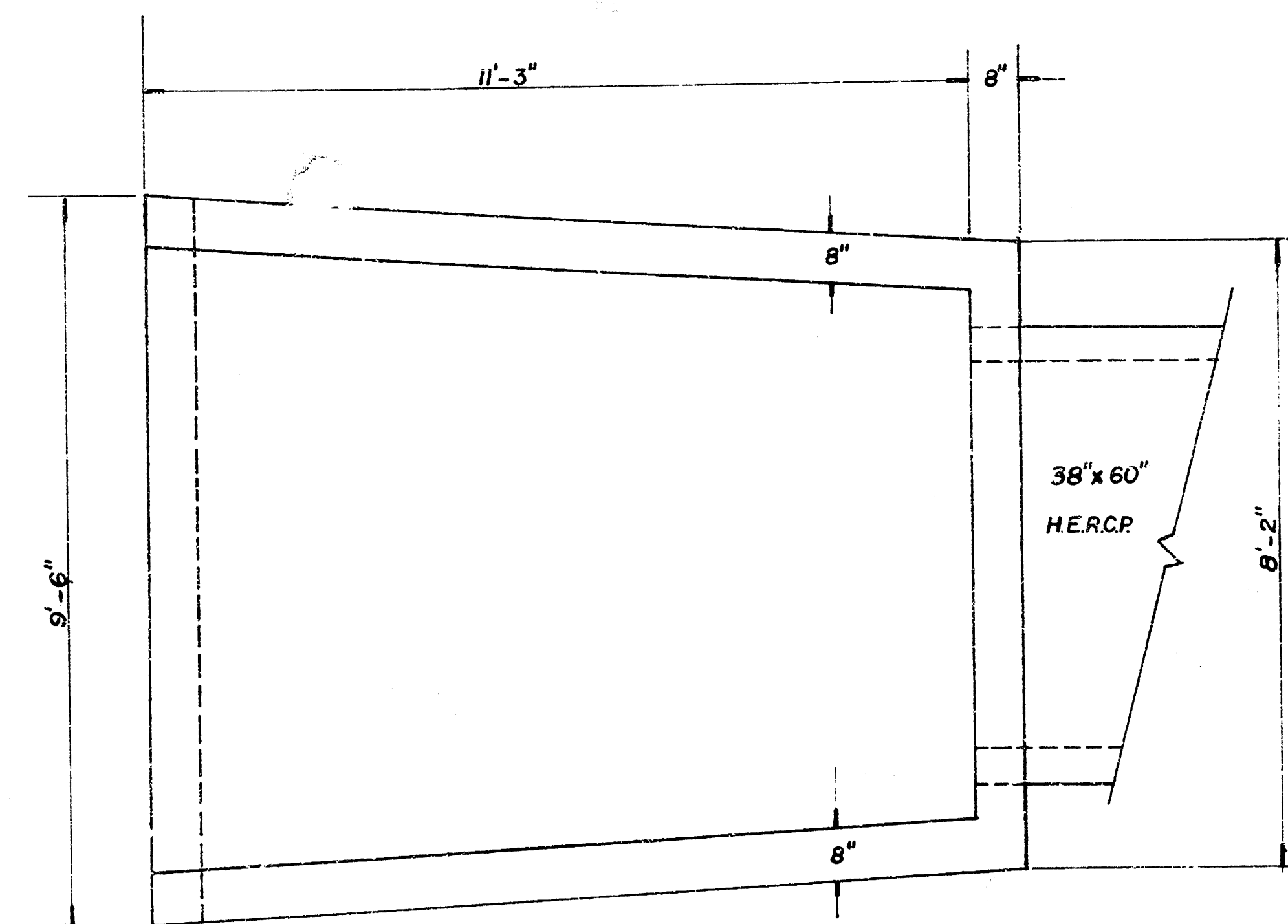
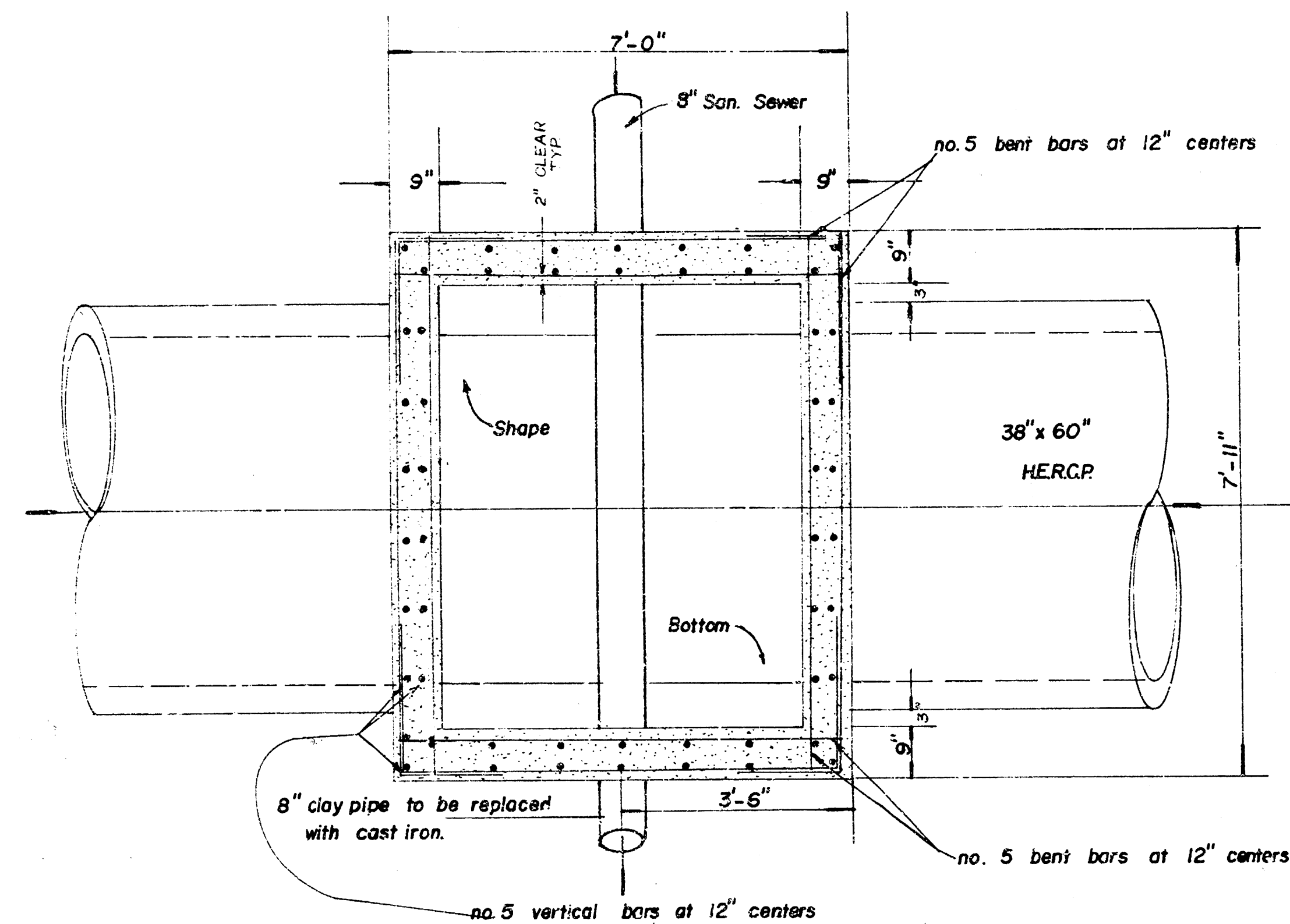
BOTTOM VIEW



NOTE: Manhole ring and cover to inlet tops shall be as per City of Wichita Standard Type 1A Curb Inlet Precast Top.

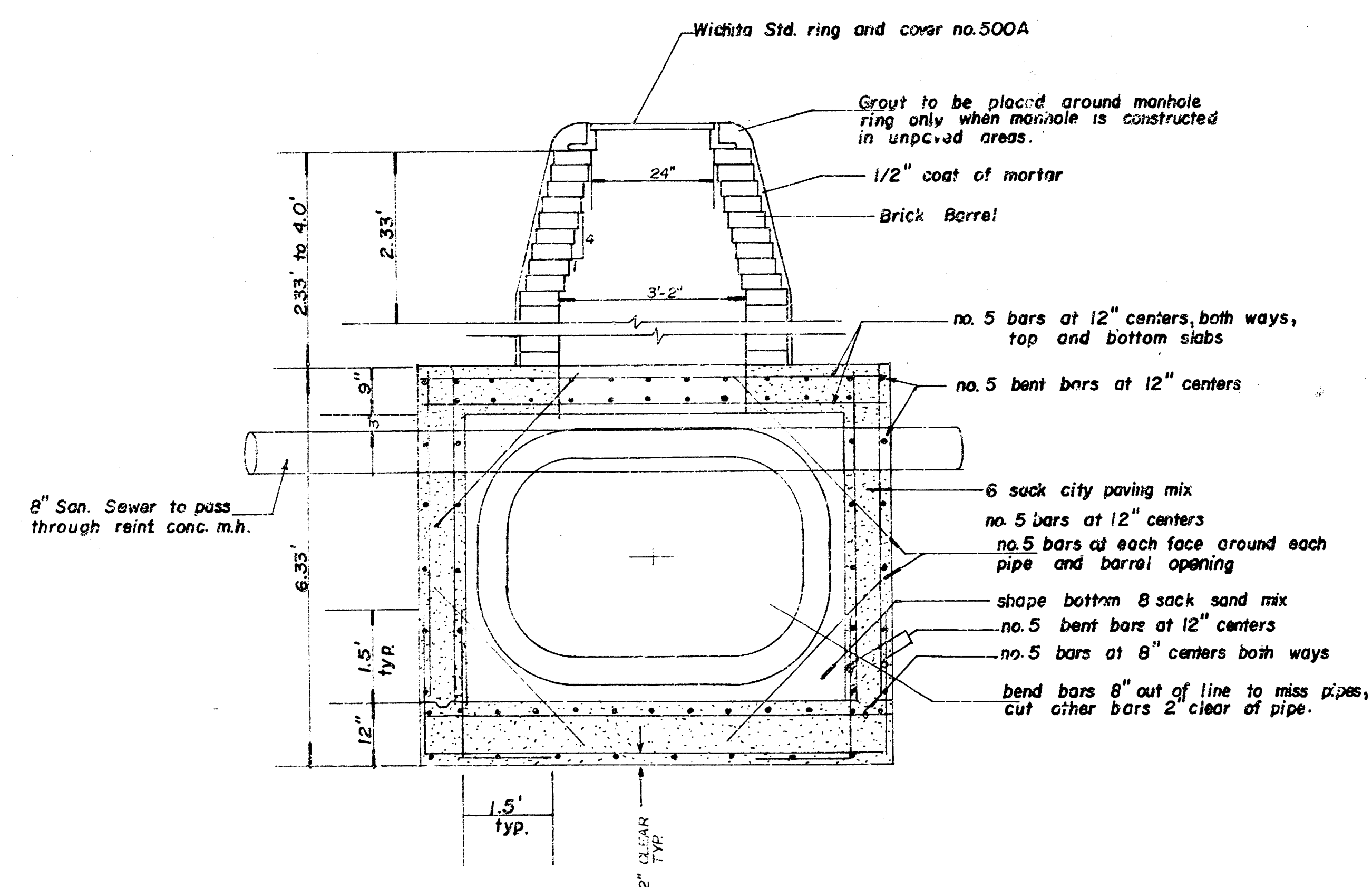
STATE HIGHWAY COMMISSION OF KANSAS			
TYPE 22 CURB INLET			
SHEET NO.	OF	SCALE	APP'D
DESIGNED	DETAILS	QUANTITIES	TRACED
DESIGN CK	DETAIL CK	QUAN CK	TRAC CK

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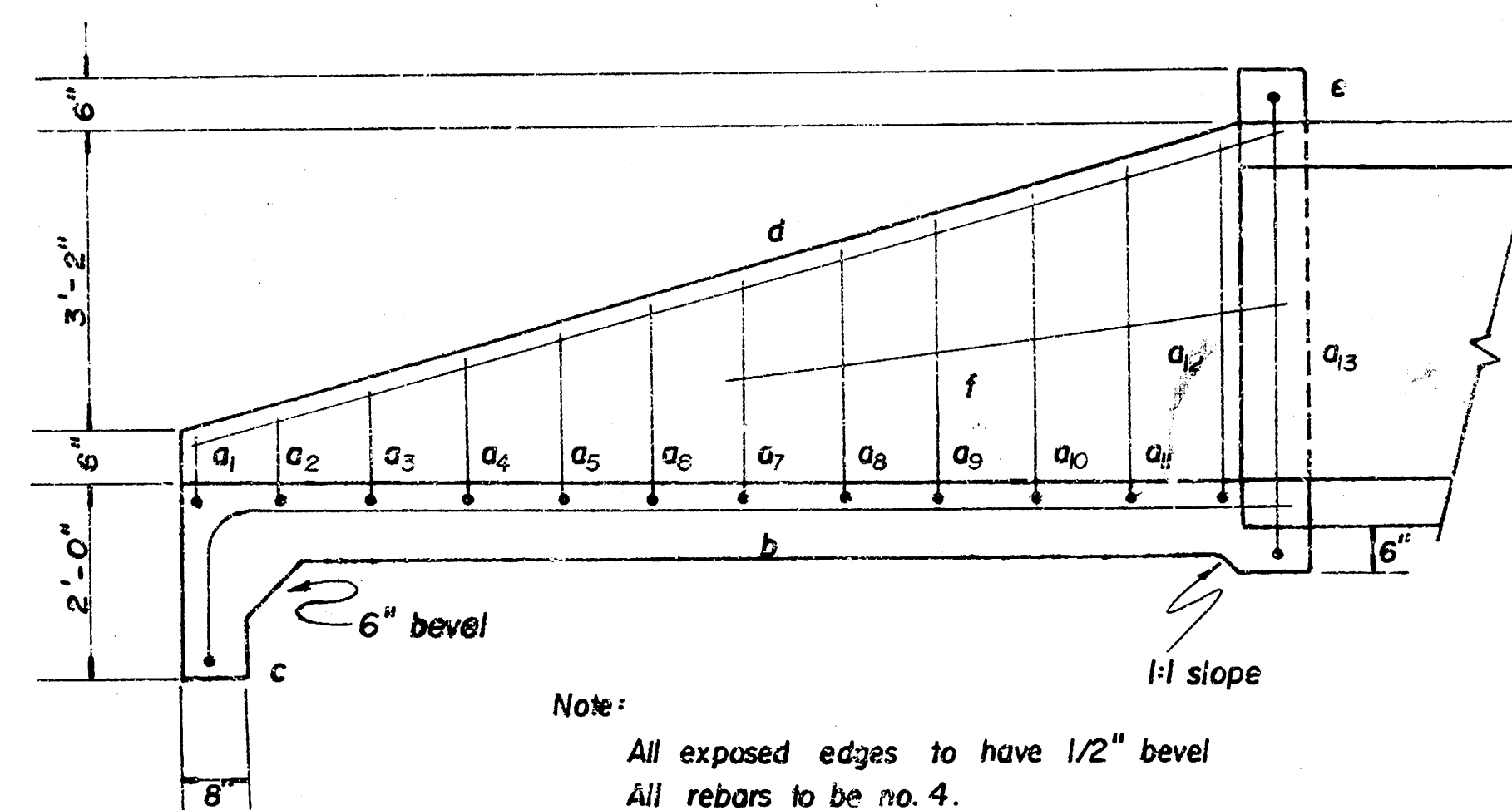


Plan

a bars	8"
a ₁ 8'-10"	8'-10"
a ₂ 8'-8"	8'-8"
a ₃ 8'-7"	8'-7"
a ₄ 8'-6"	8'-6"
a ₅ 8'-5"	8'-5"
a ₆ 8'-3"	8'-3"
a ₇ 8'-2"	8'-2"
a ₈ 8'-0"	8'-0"
a ₉ 7'-11"	7'-11"
a ₁₀ 7'-9"	7'-9"
a ₁₁ 7'-8"	7'-8"
a ₁₂ 7'-7"	7'-7"
a ₁₃ 7'-6"	7'-6"



Special Reinforced Conc. Manhole Detail
Scale: 1/2" = 1'-0"



Section

Special Headwall Detail
Scale: 1/2" = 1'-0"

Table of Quantities				
Bars	Number	Length	Shape	Weight
a ₁	1	8'-6"		5.678
a ₂	1	8'-7"		5.734
a ₃	1	9'-8"		6.457
a ₄	1	9'-11"		6.624
a ₅	1	10'-1"		6.736
a ₆	1	10'-3"		6.847
a ₇	1	10'-5"		6.958
a ₈	1	10'-6"		7.014
a ₉	1	10'-8"		7.125
a ₁₀	1	10'-9"		7.181
a ₁₁	1	10'-11"		7.292
a ₁₂	1	11'-2"		7.459
a ₁₃	1	12'-1"		8.072
b	10	12'-11"		86.283
c	1	8'-10"		5.901
d	2	12'-0"		16.032
e	1	7'-6"		5.010
f	2	6'-0"		8.016
Total Rebars, lb				210.42
Concrete, cy				5.9