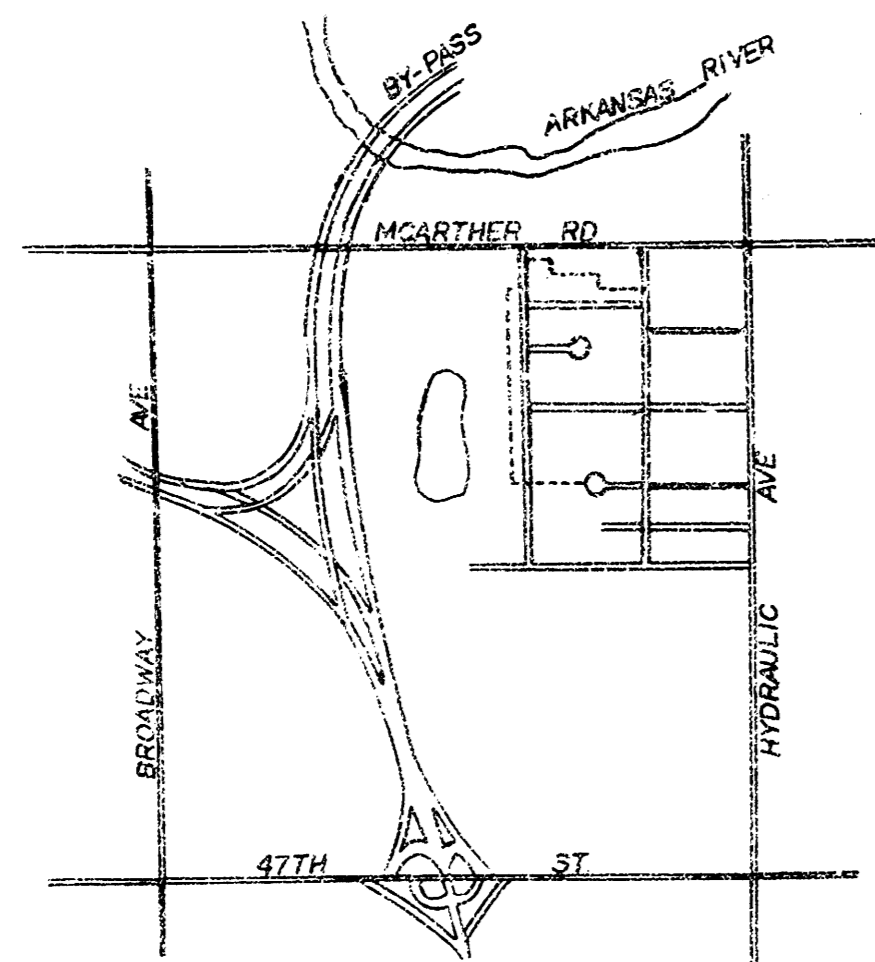
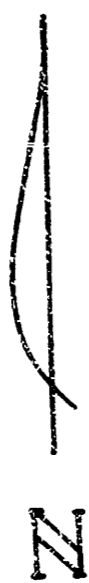


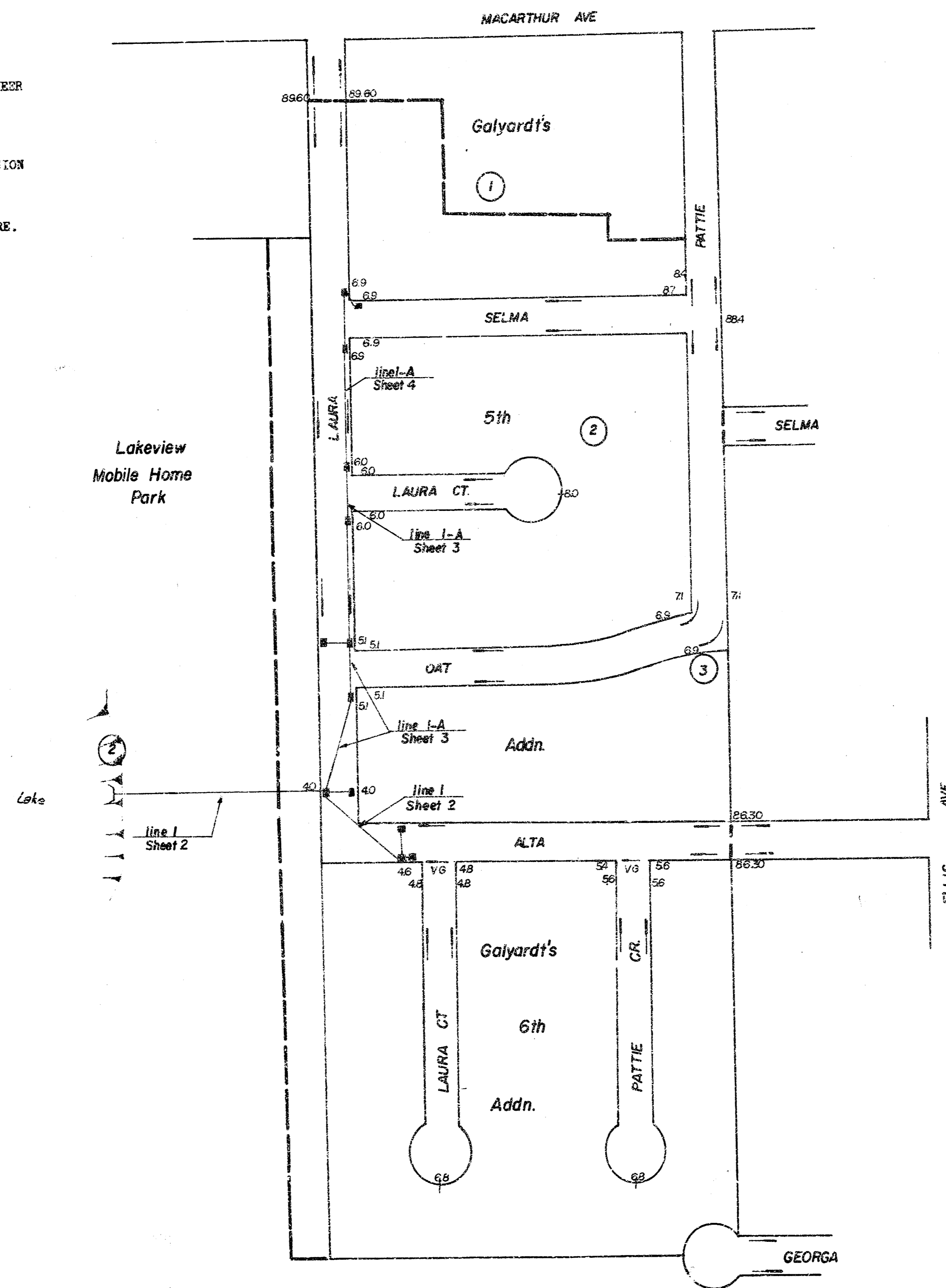
# STORM WATER SEWER 143

Galyardts 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.



VICINITY MAP  
Scale 1" = 2000'



Scale 1" = 150'

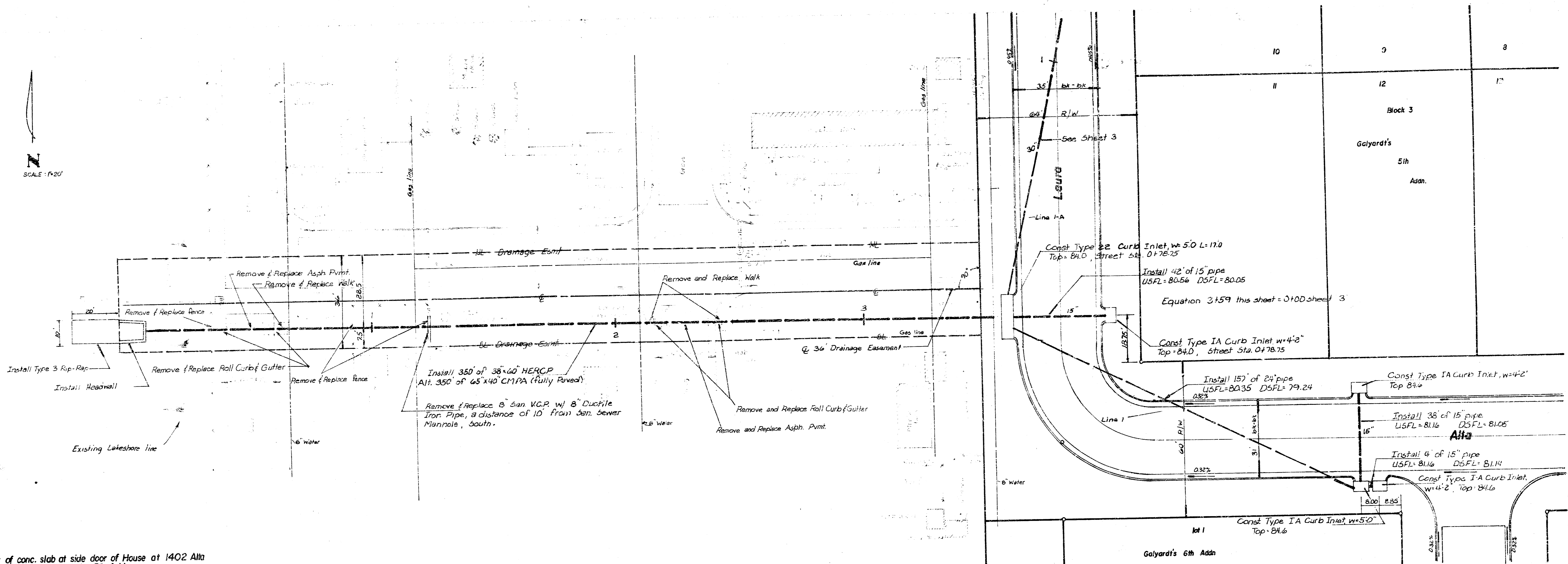
Table of Contents

Page	Title
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

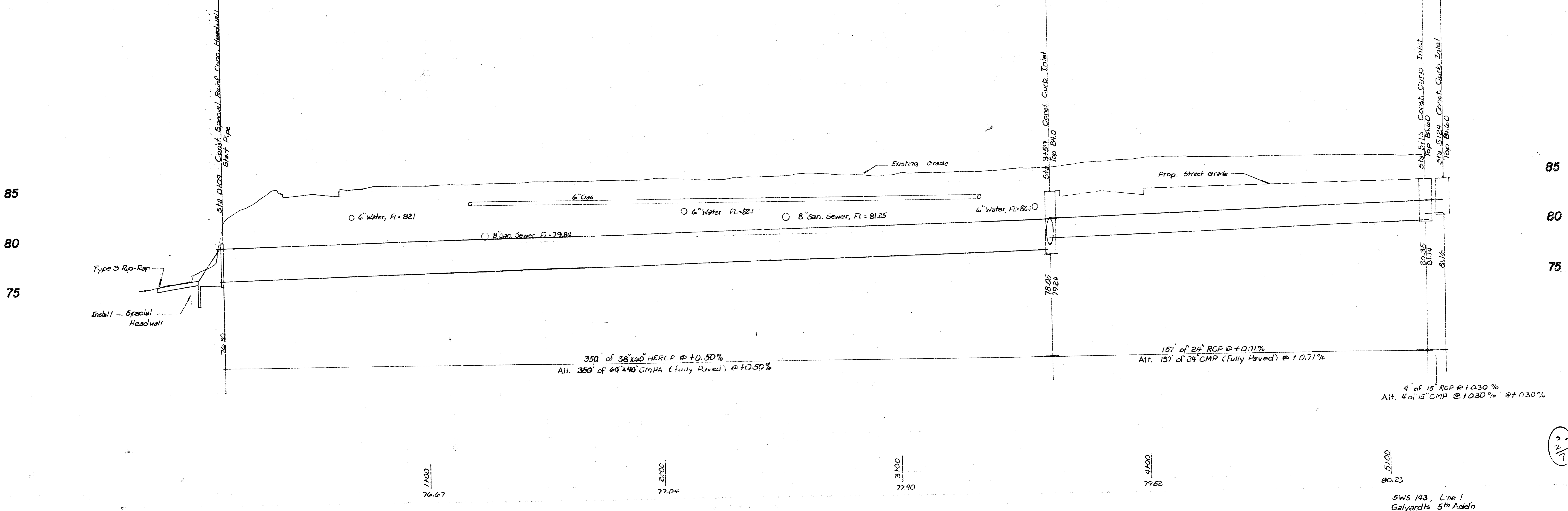
City of Wichita, Kansas  
 Dean Sellers, Acting City Engineer  
 Proj. no. 468-76-245-80659-000-000-001  
 Date \_\_\_\_\_



1/1

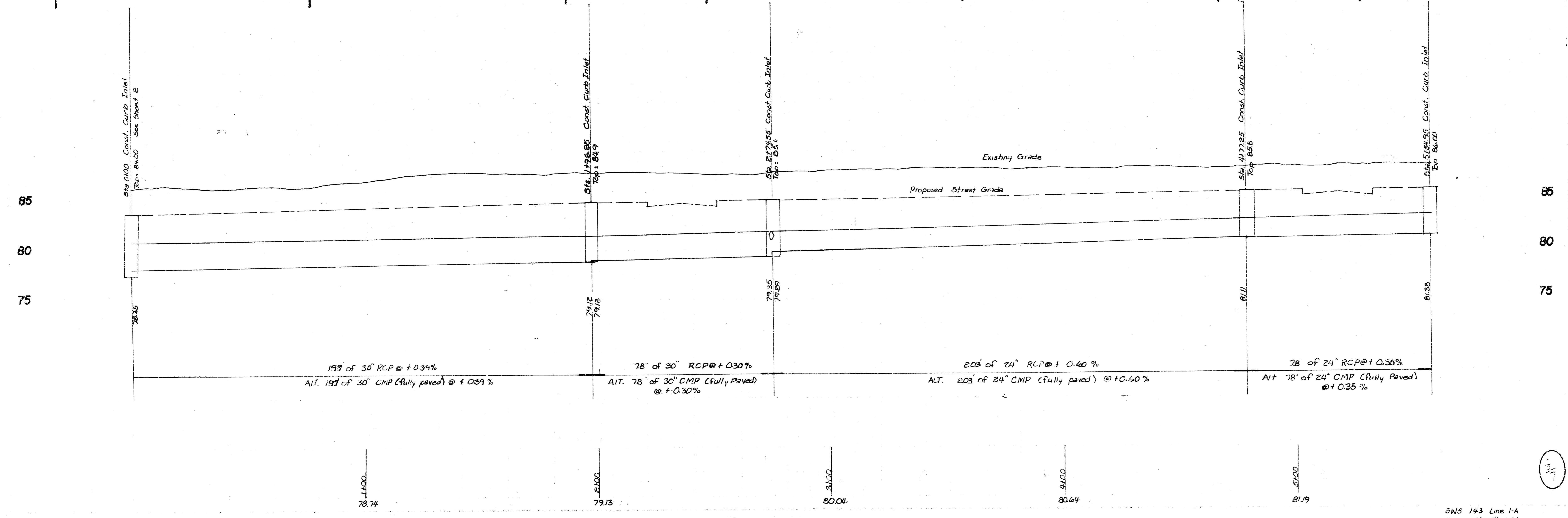
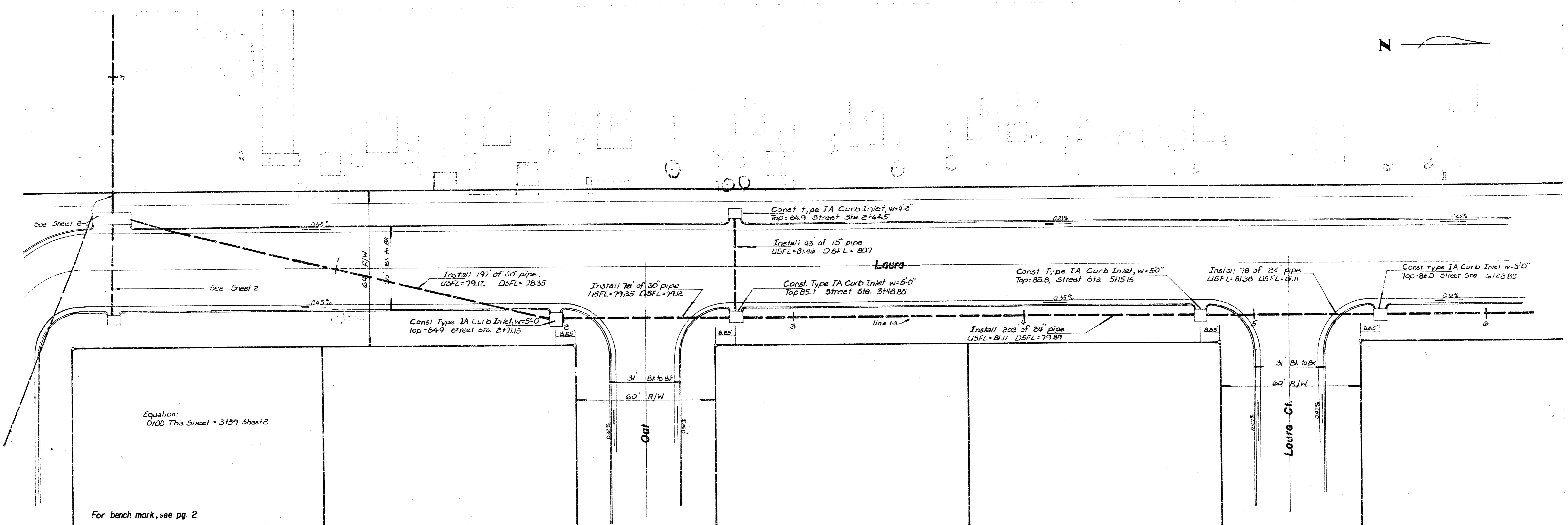
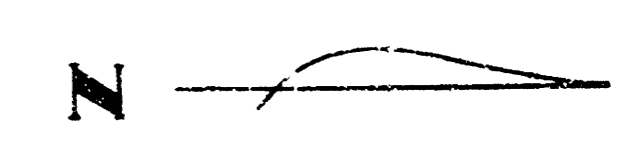


BM 8768 N<sup>th</sup> cor of conc. slab at side door of House at 1402 Alh approx. 15' E of EL Galyard's 5th Addn.  
 BM 8601 1" cut on top E cb of Shady Grove at SL Parklawn



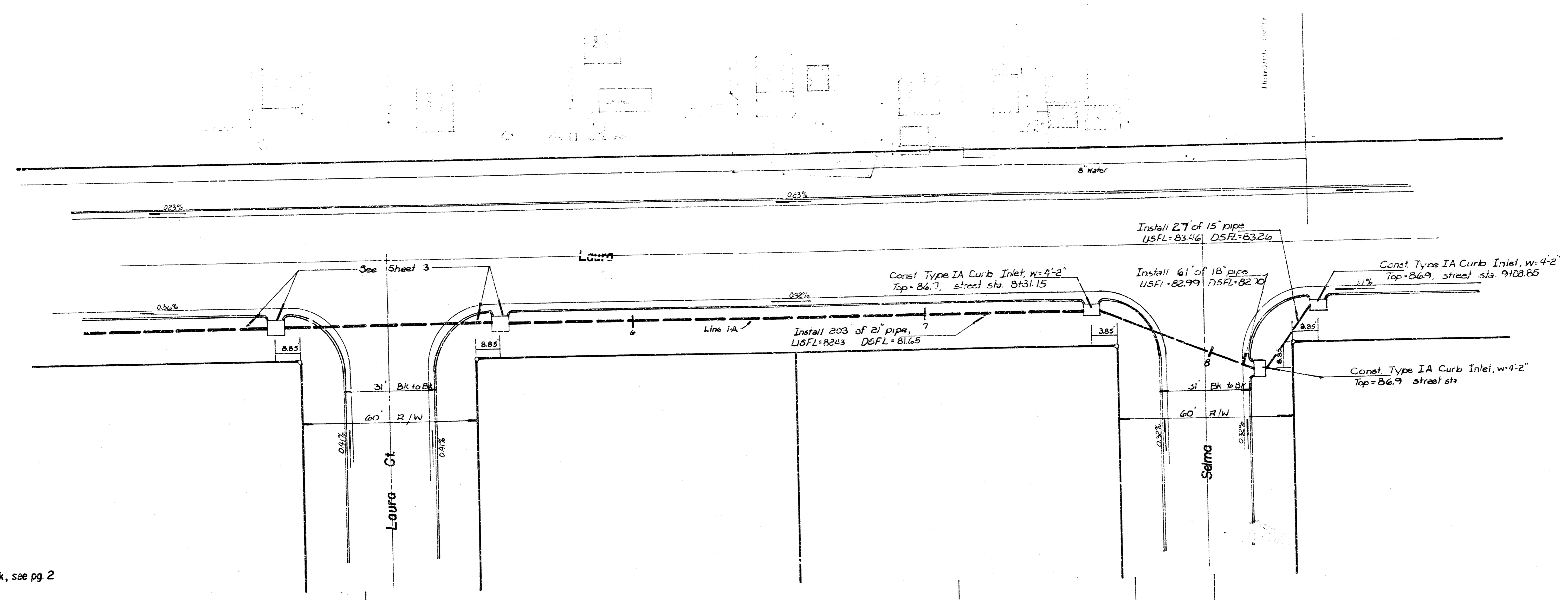
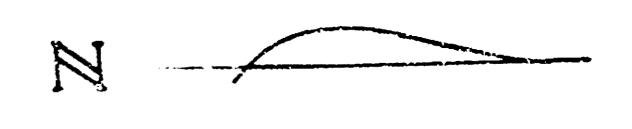
SW 143, Line 1  
 Galyard's 5th Addn

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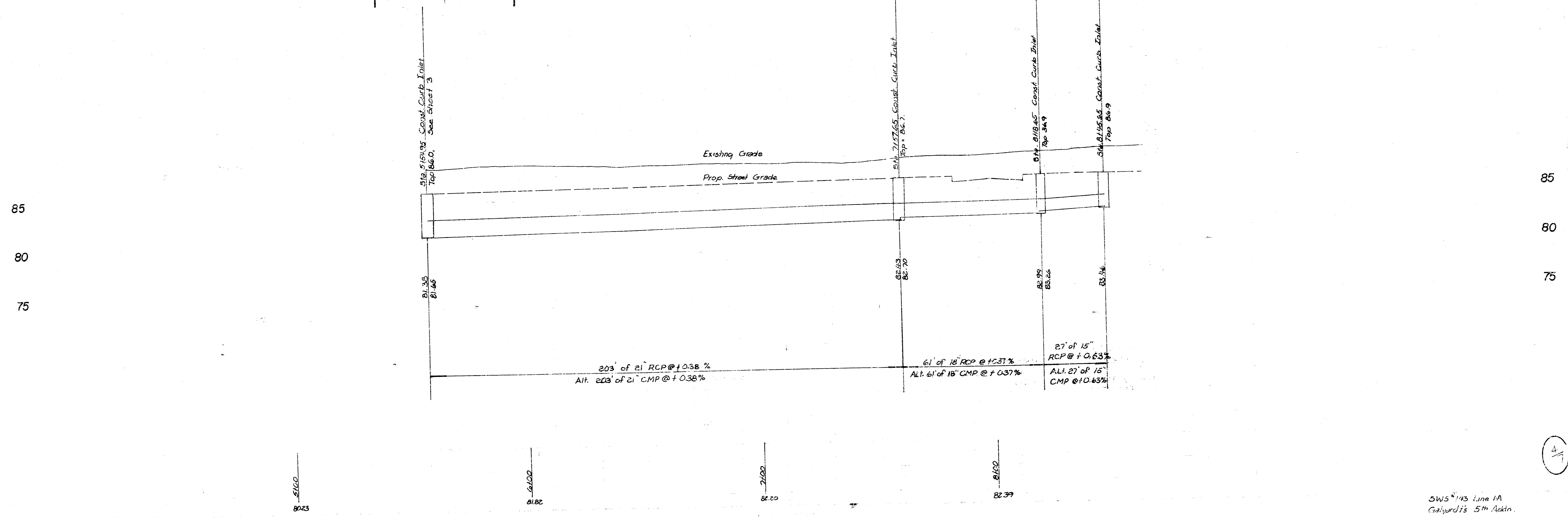


SWS 143 Line 1-A  
Gayard's 5th Addn.

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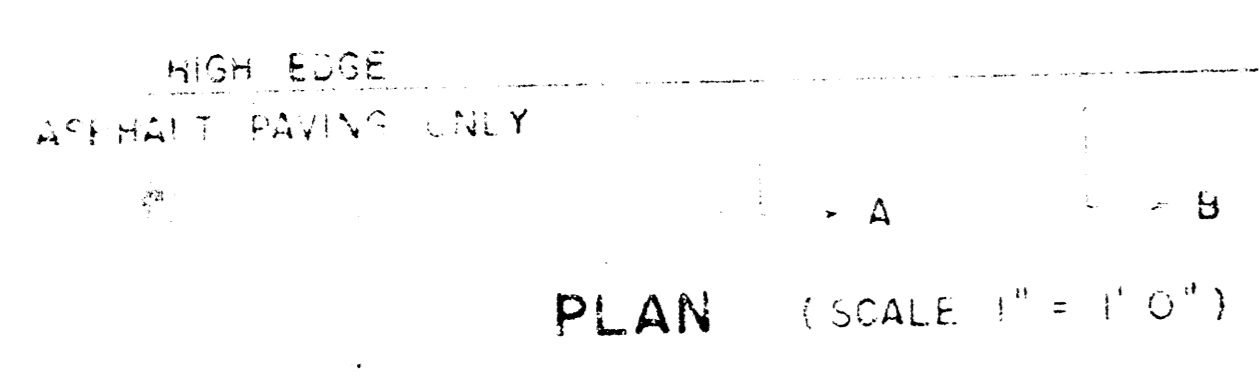
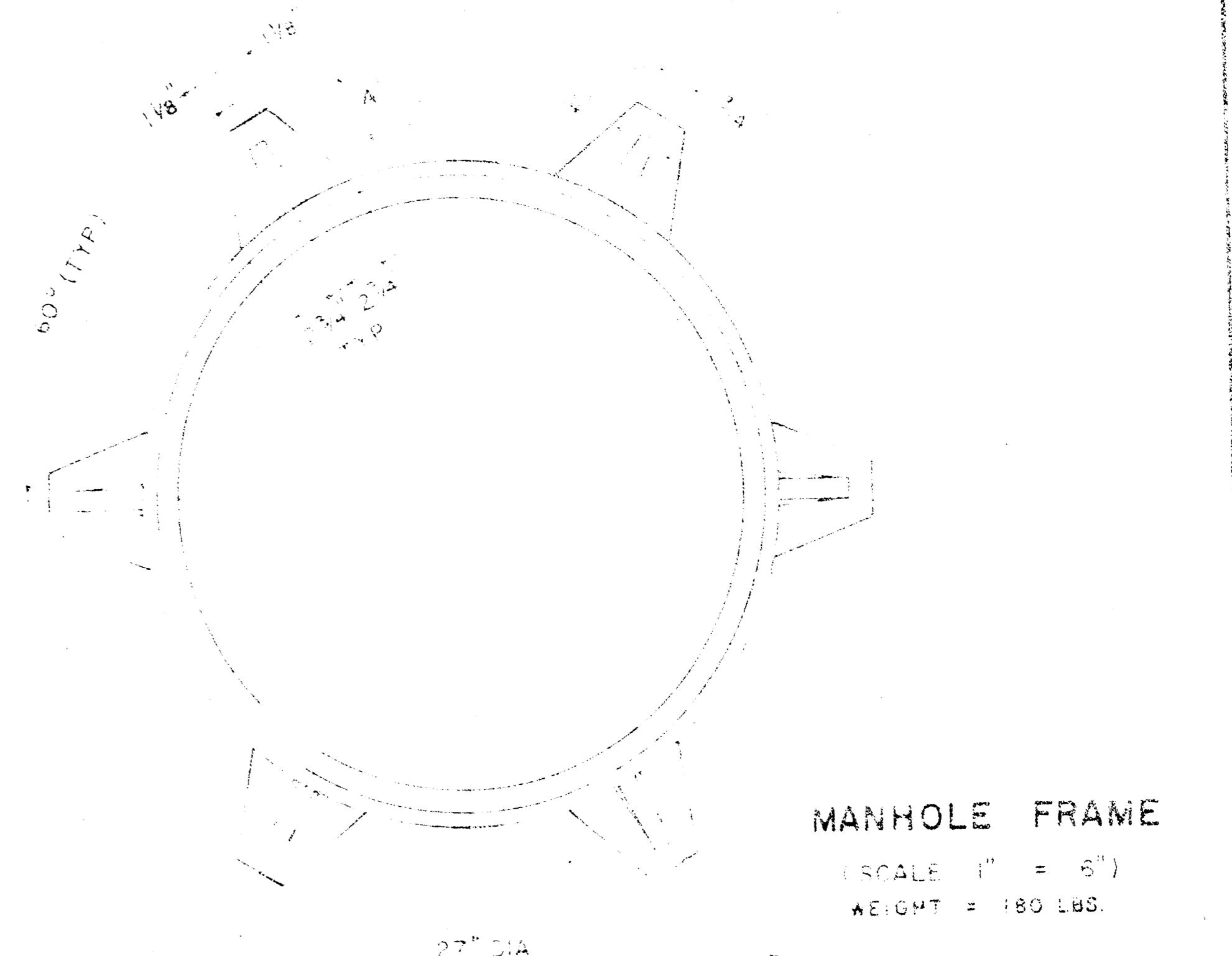
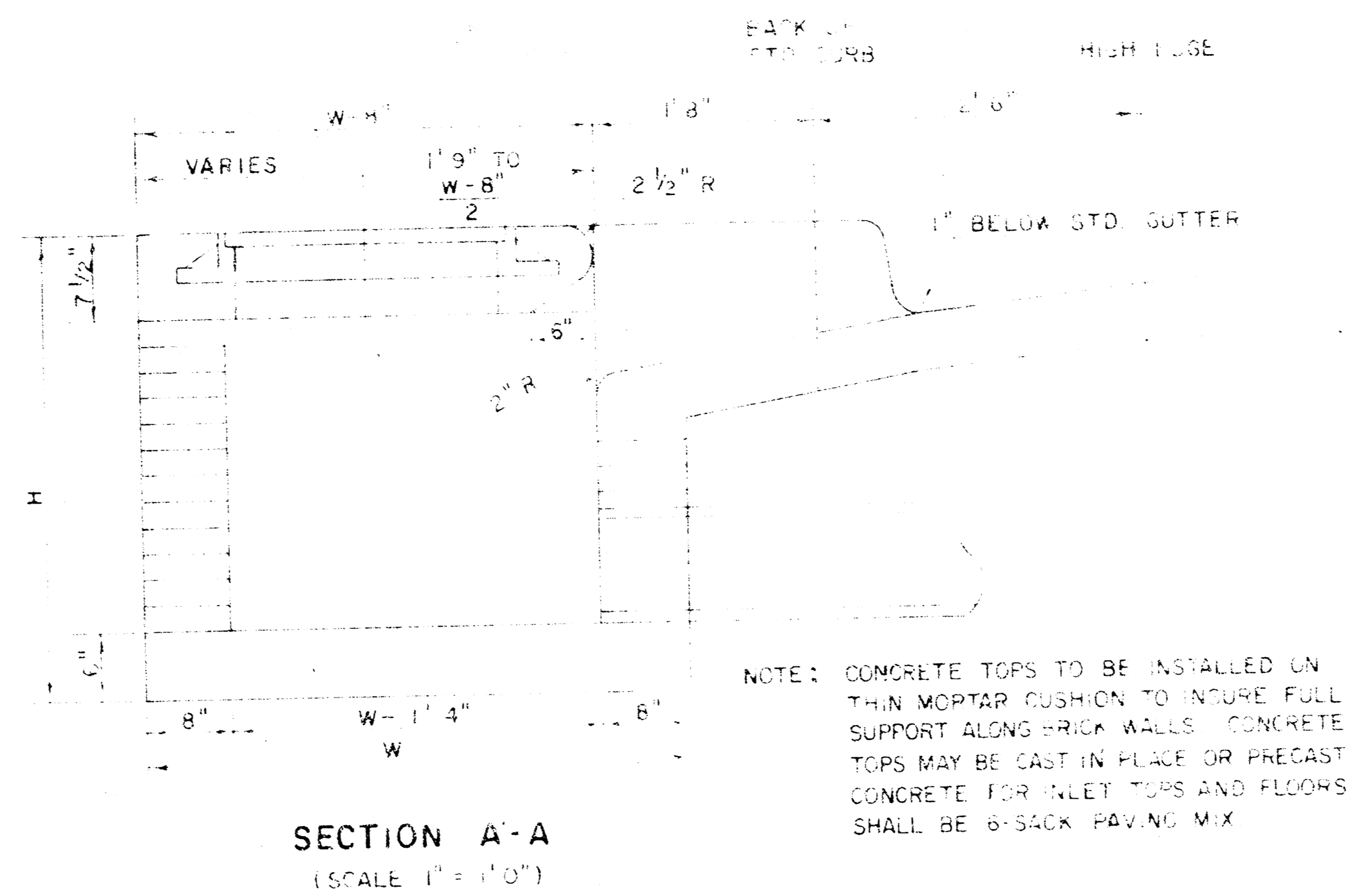
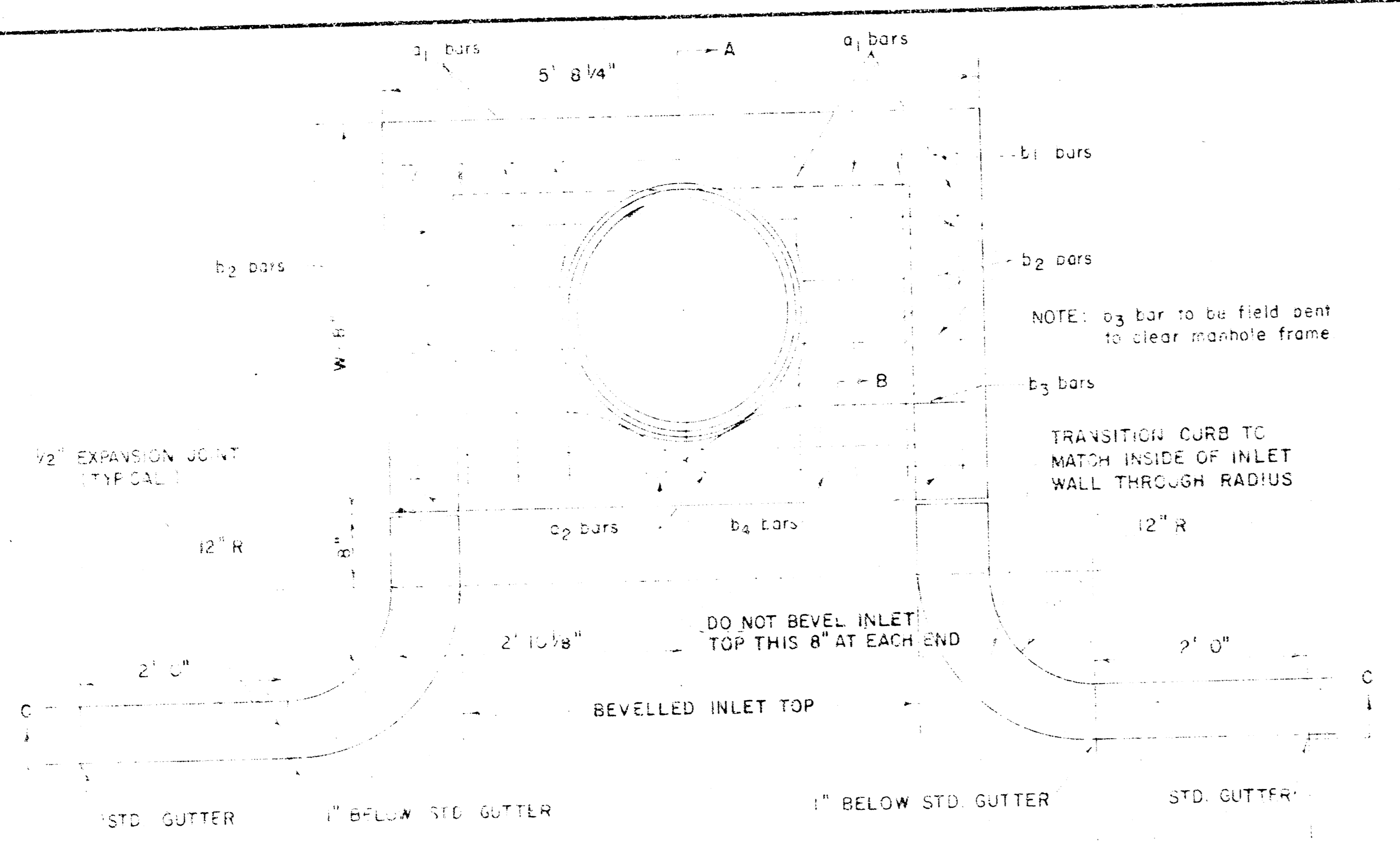


For bench mark, see pg. 2



SW 1/4 143 Line 1A  
Gaijurd's 5th Addn.

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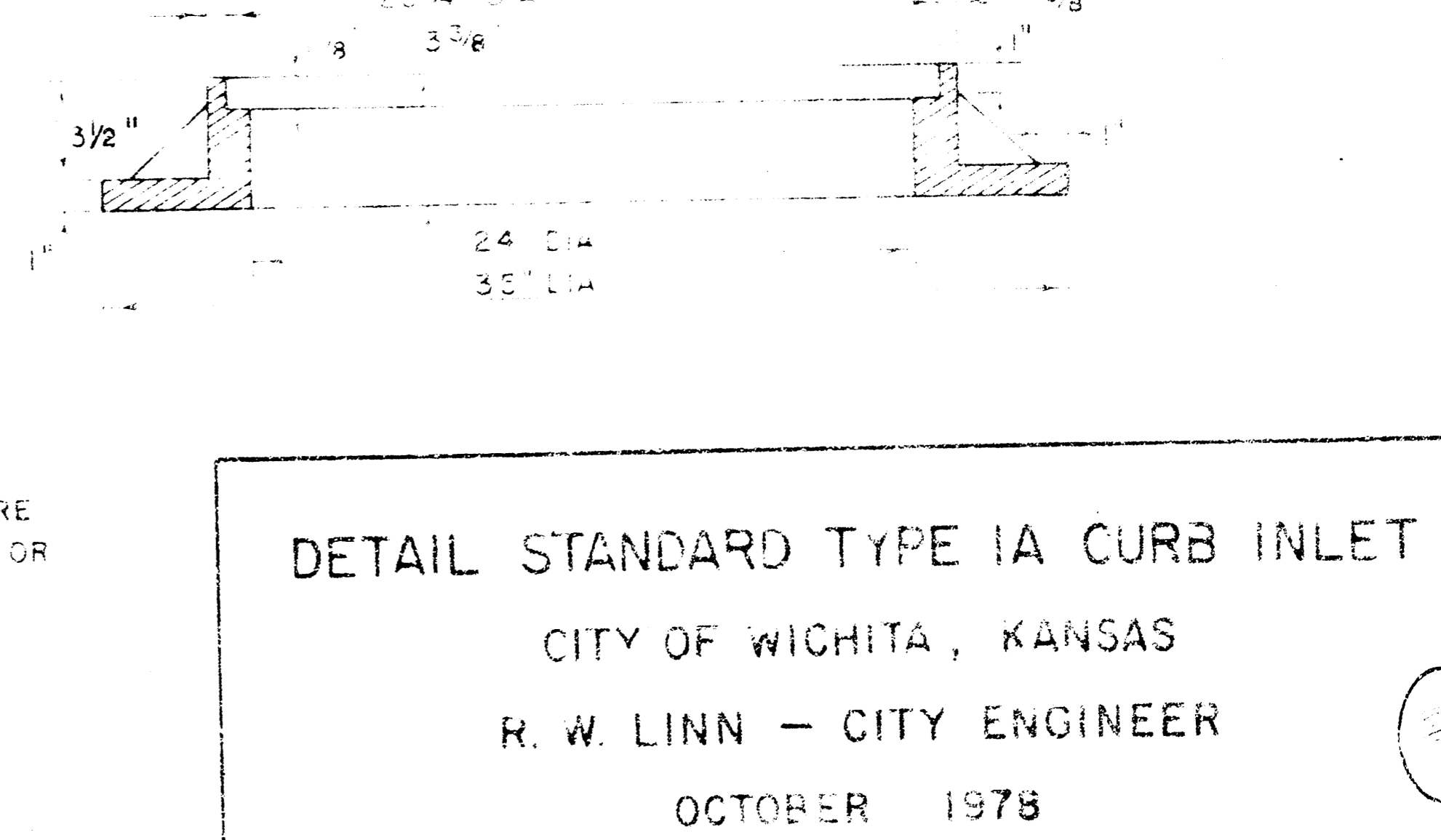
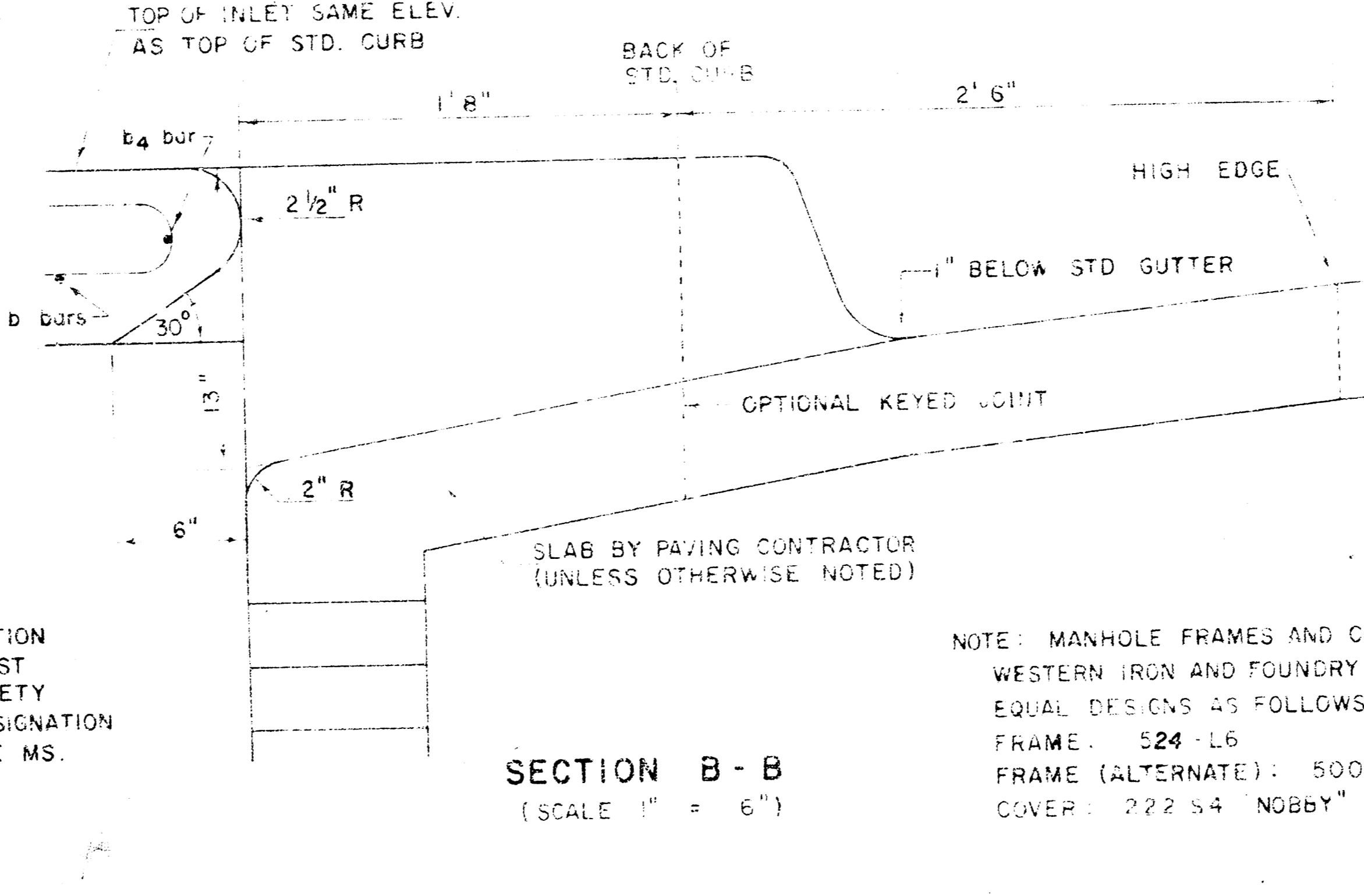
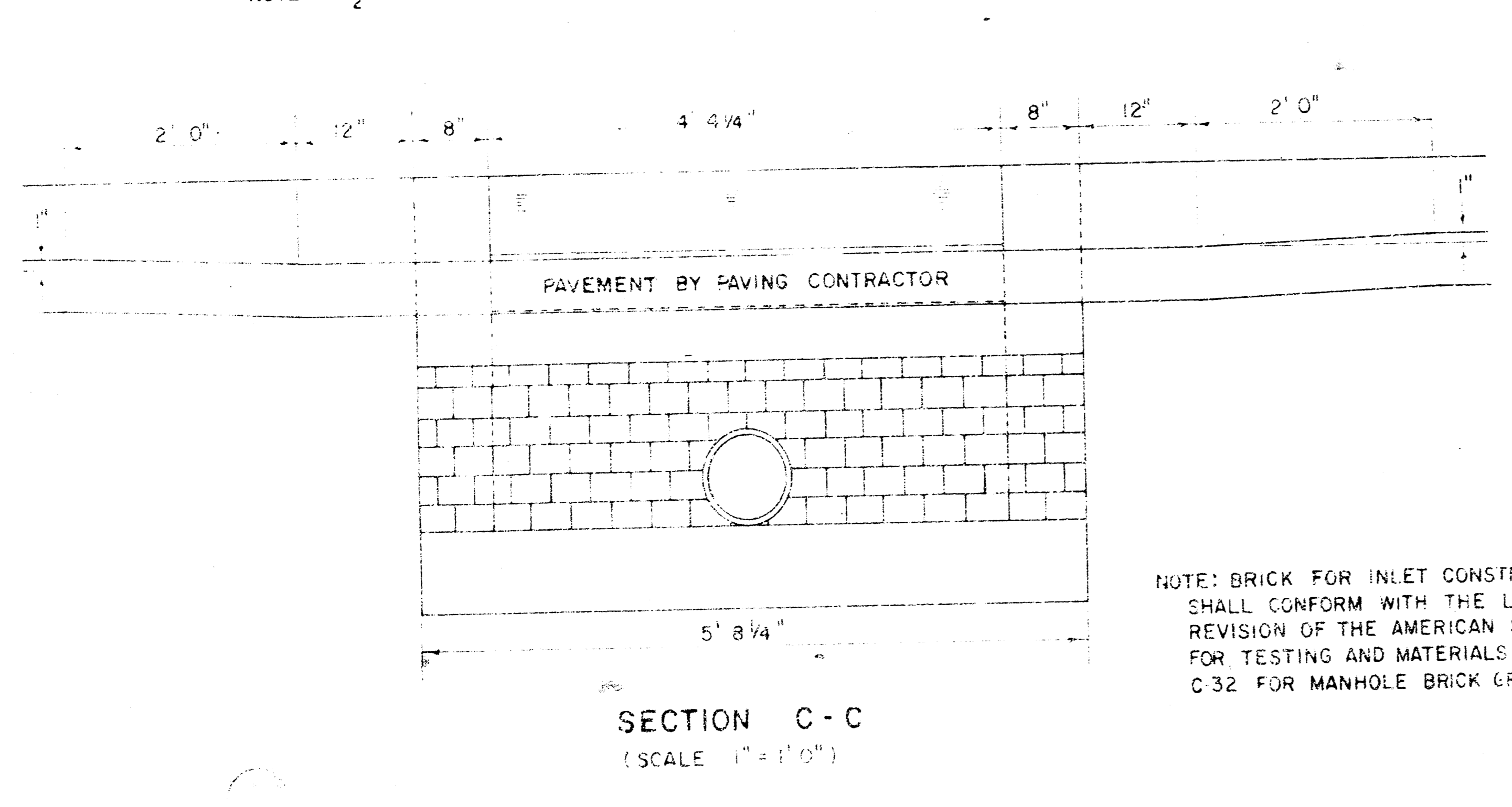
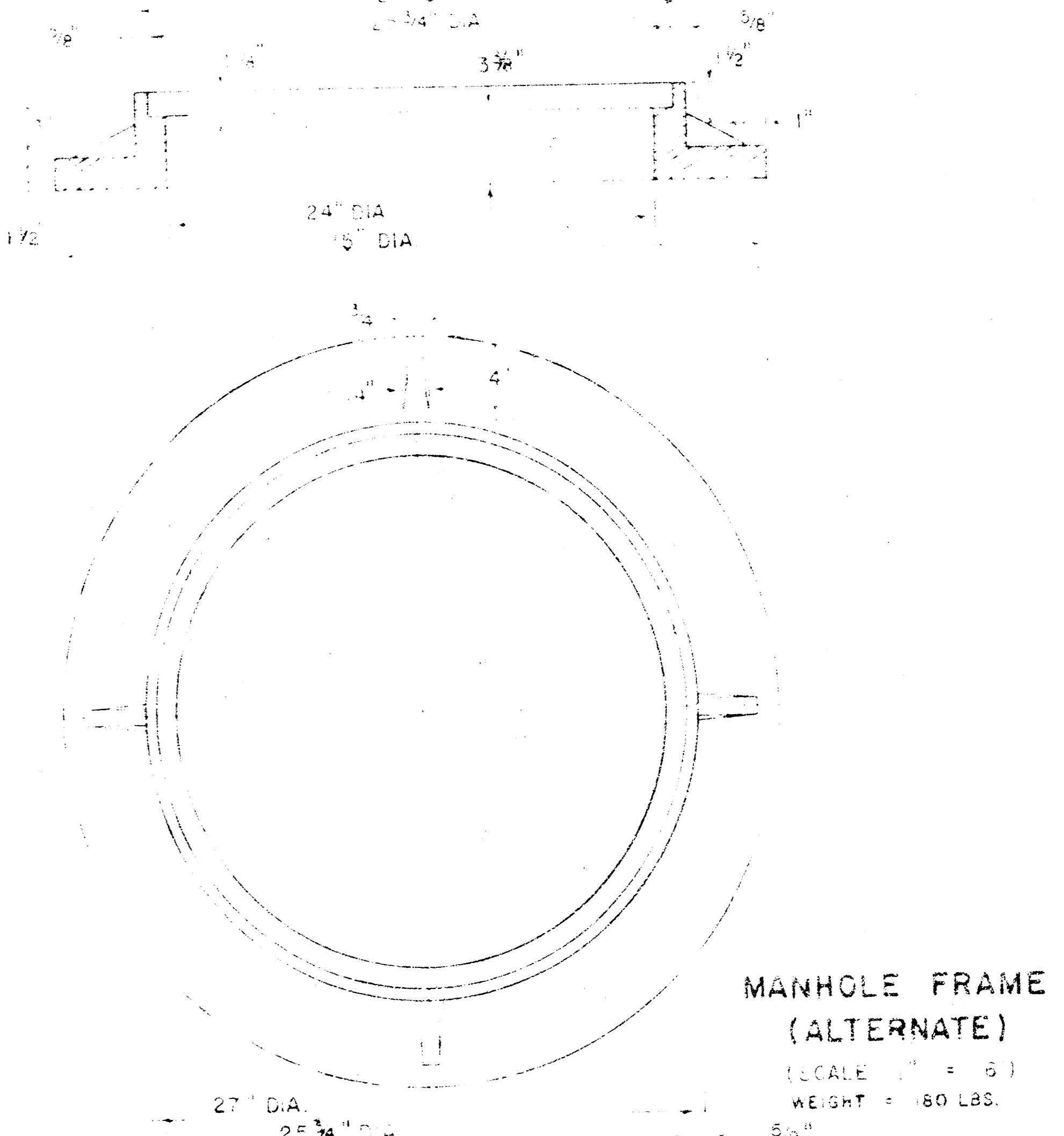
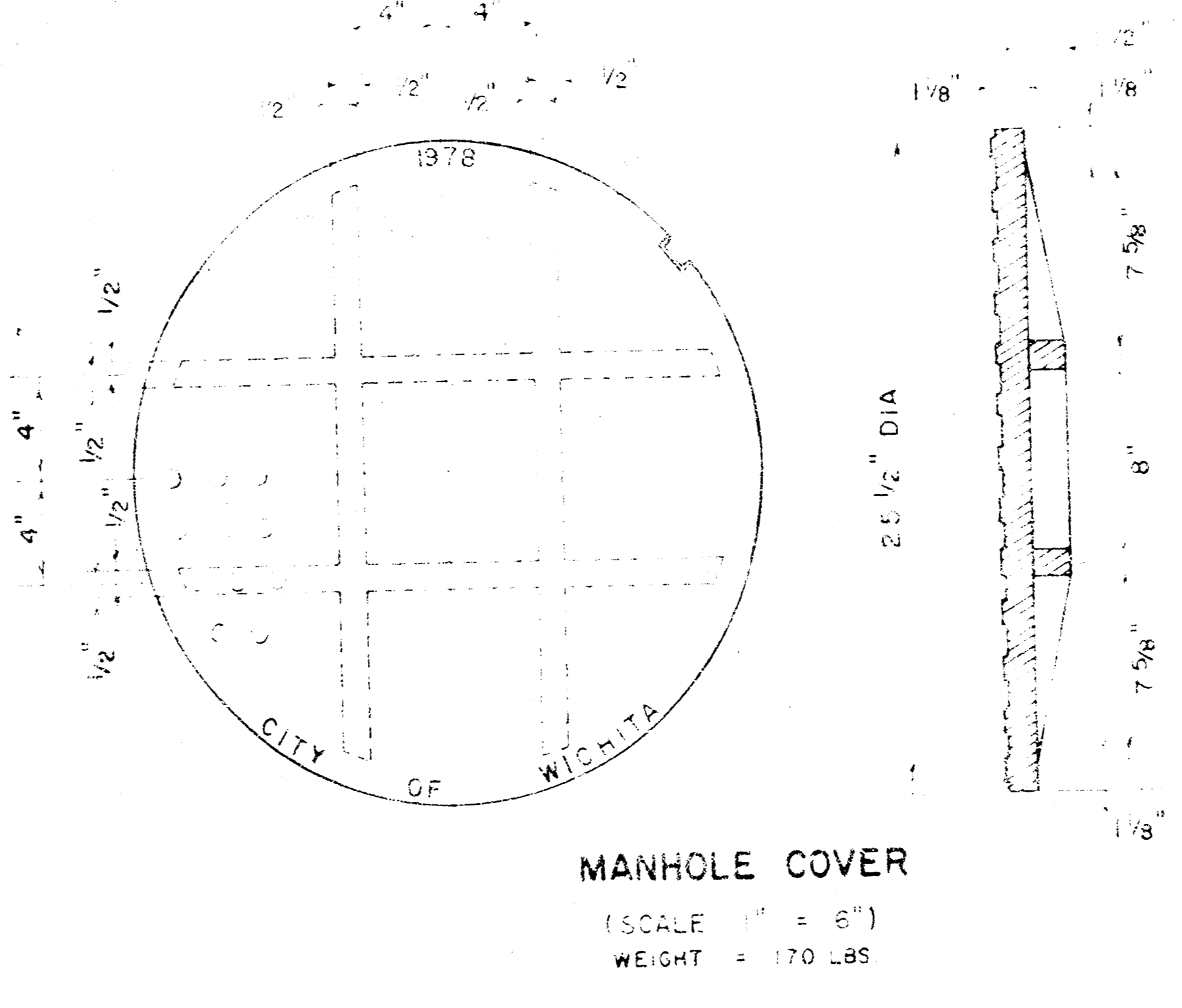
**STEEL SCHEDULE**

BAR NUMBER	SIZE	LENGTH	WT. LBS.
1	1/2"	12'	1.10
2	1/2"	12'	1.10
3	1/2"	12'	1.10
4	1/2"	12'	1.10
5	1/2"	12'	1.10
6	1/2"	12'	1.10
7	1/2"	12'	1.10
8	1/2"	12'	1.10
9	1/2"	12'	1.10
10	1/2"	12'	1.10
11	1/2"	12'	1.10
12	1/2"	12'	1.10

**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"	0.84 *
8' 0"	74" x 5' 8 1/4" x 7 1/2"	60" & 66"	0.97 *

\* GROSS VOLUME



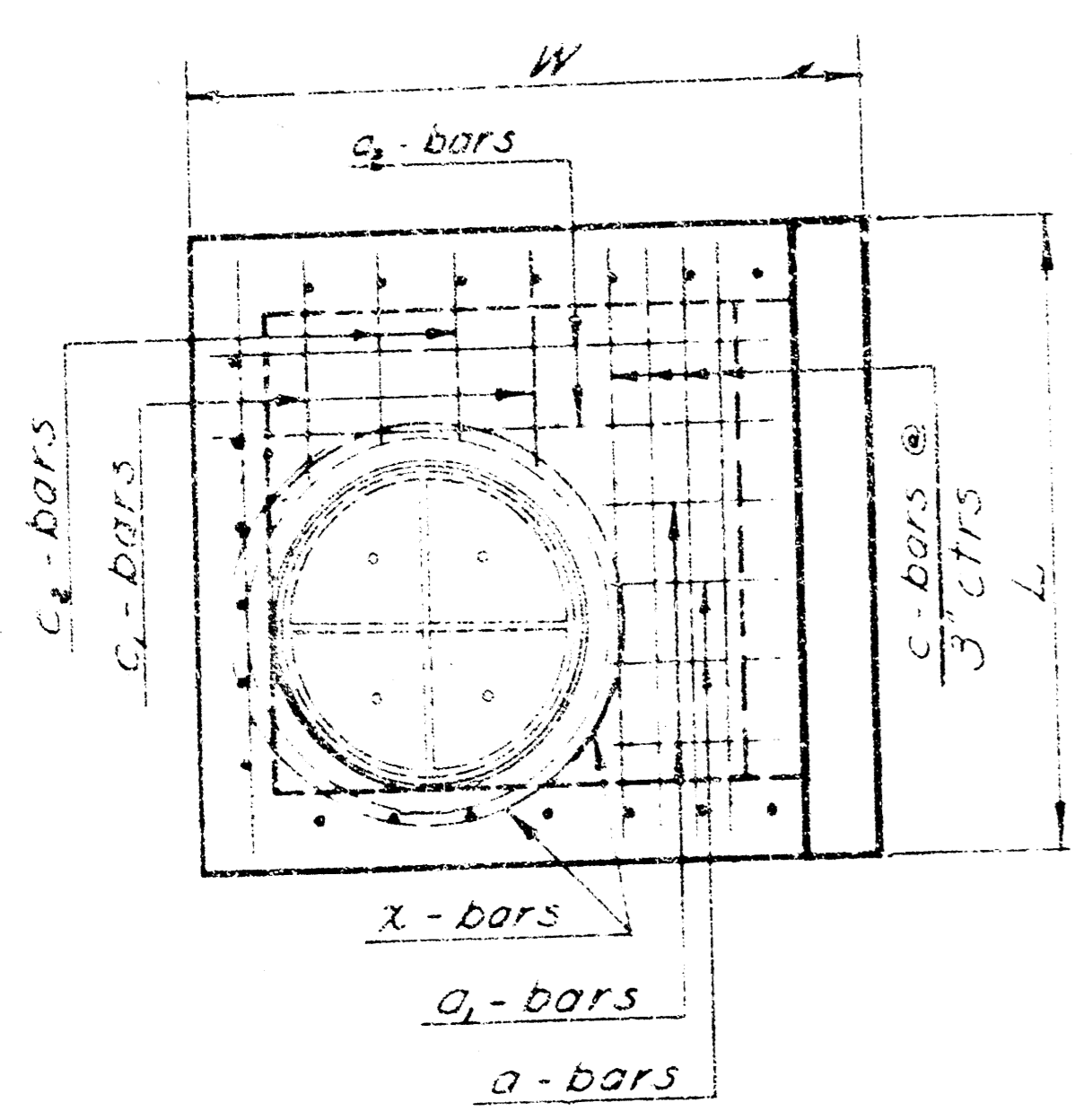
NOTE: BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C-32 FOR MANHOLE BRICK GRADE MS.

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-S4-N08BY"

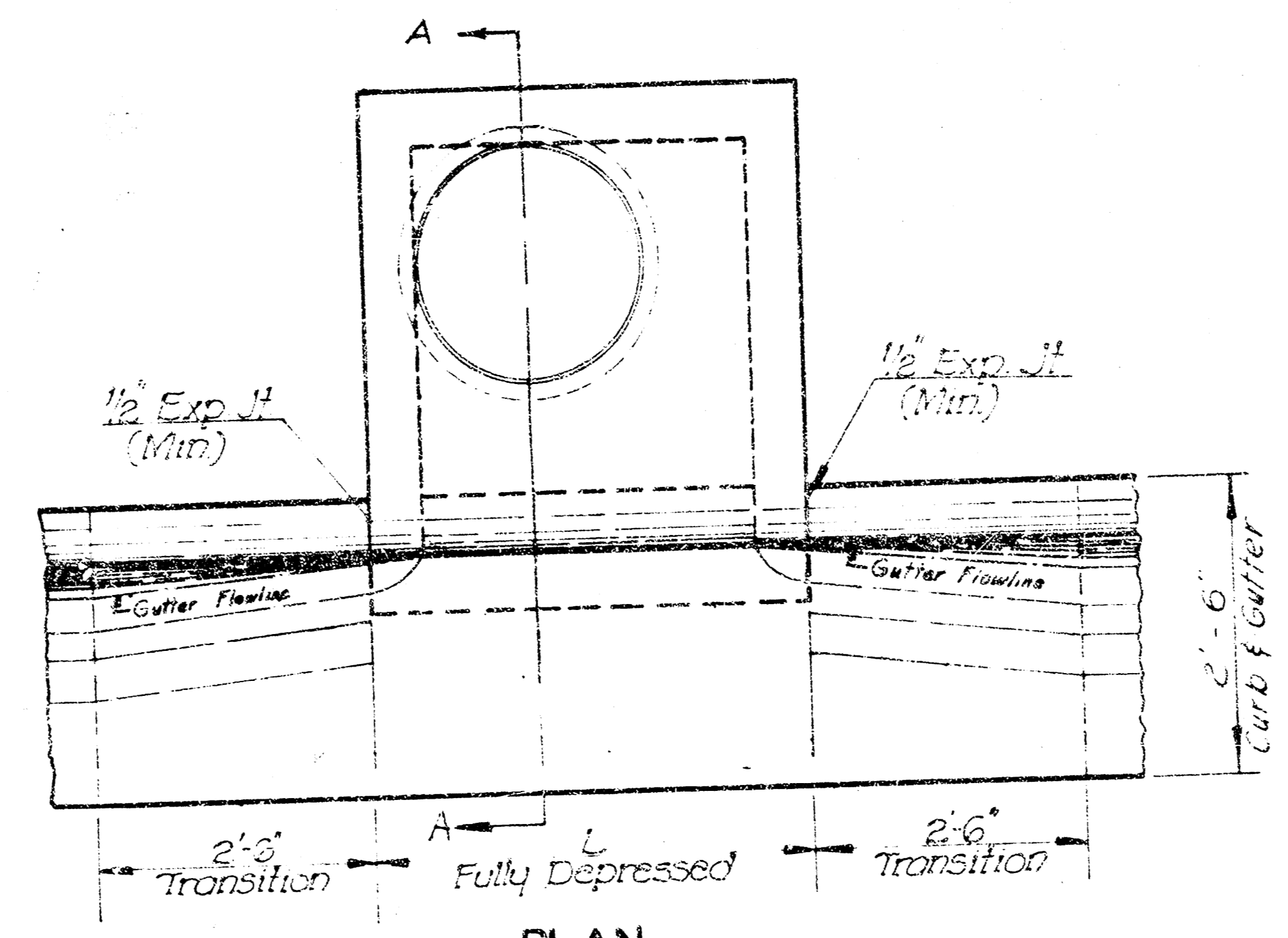
**DETAIL STANDARD TYPE IA CURB INLET**  
 CITY OF WICHITA, KANSAS  
 R. W. LINN - CITY ENGINEER  
 OCTOBER 1978

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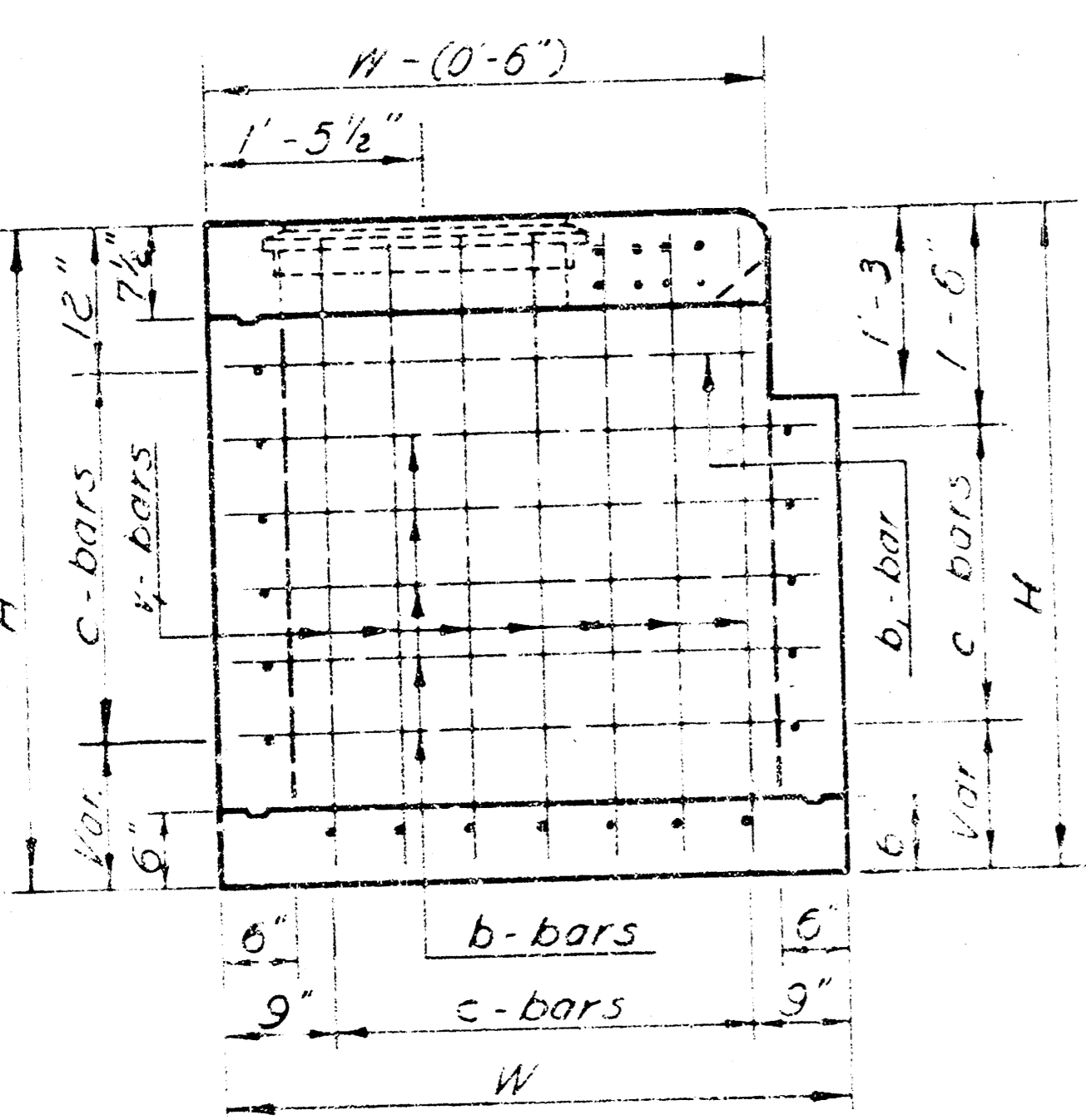
FHWA NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS		197		



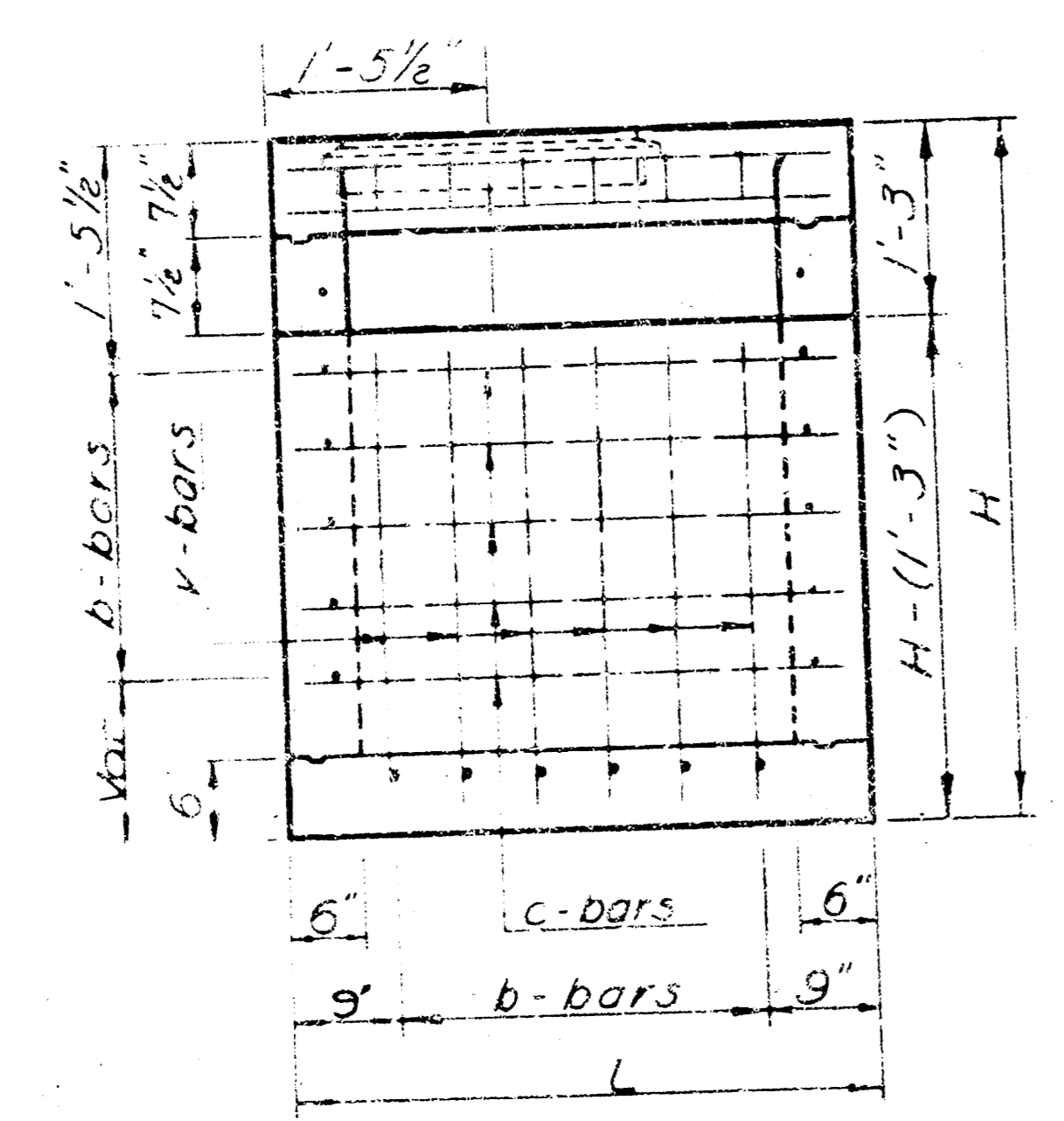
TOP VIEW



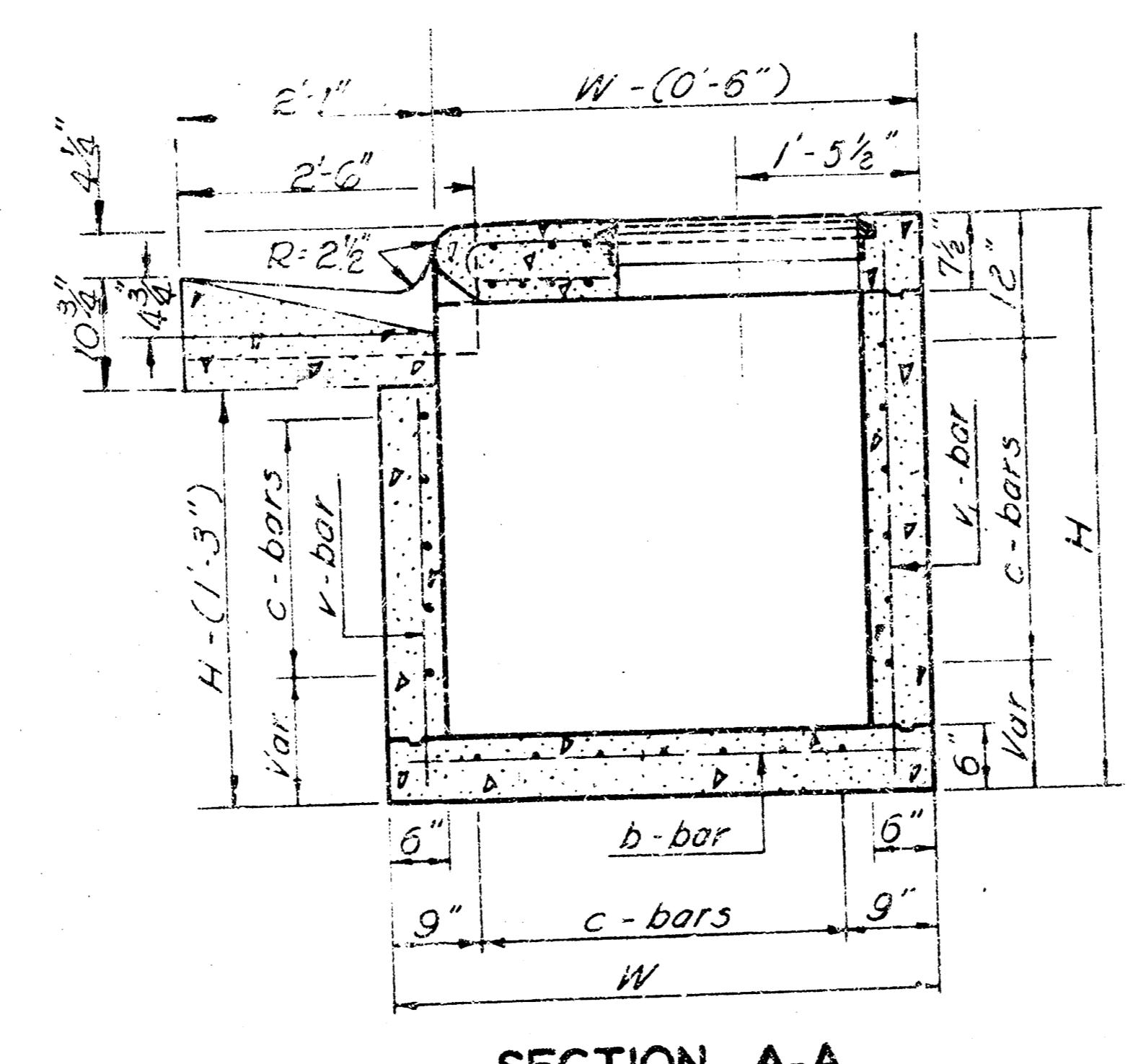
PLAN



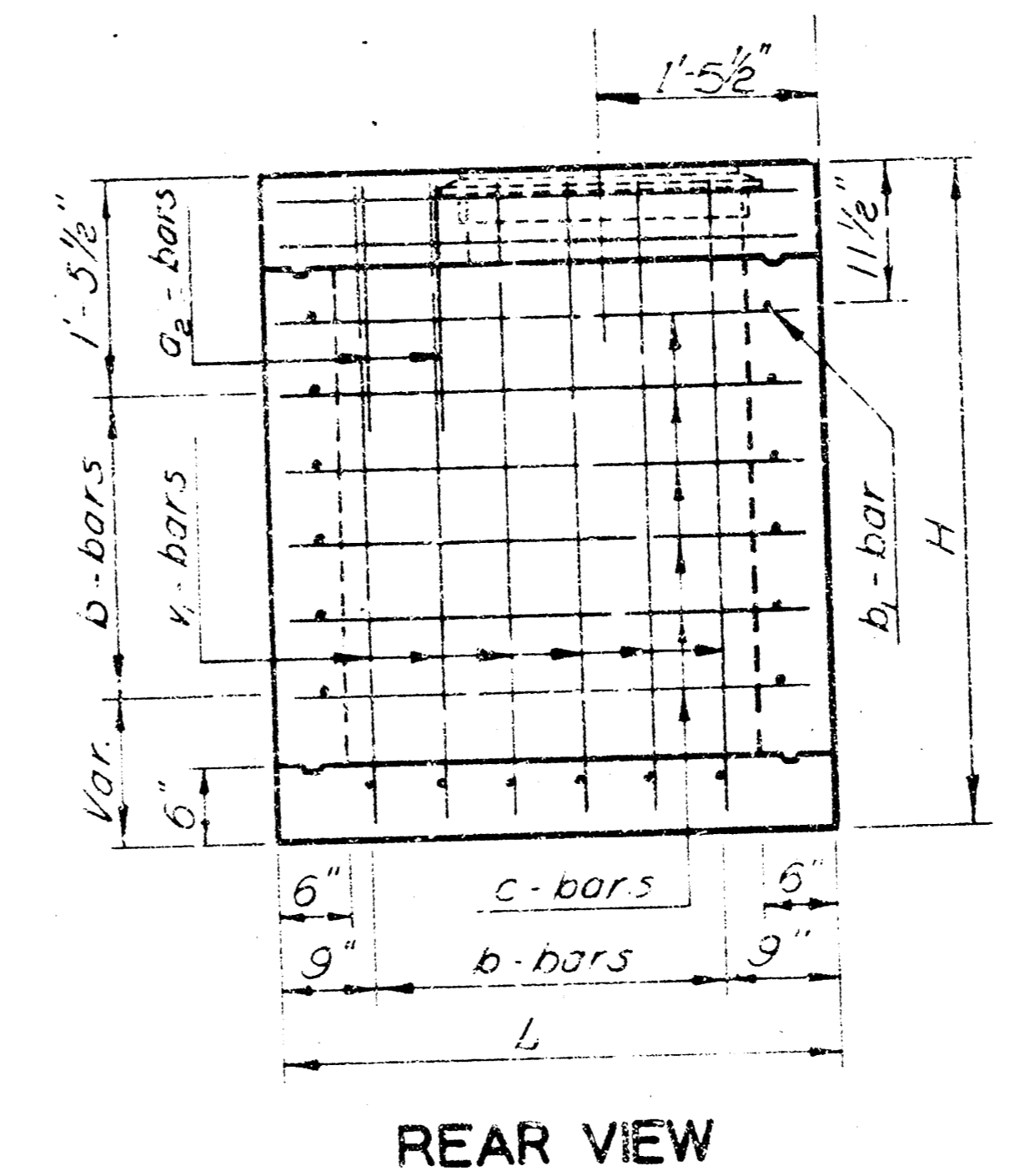
SIDE VIEW



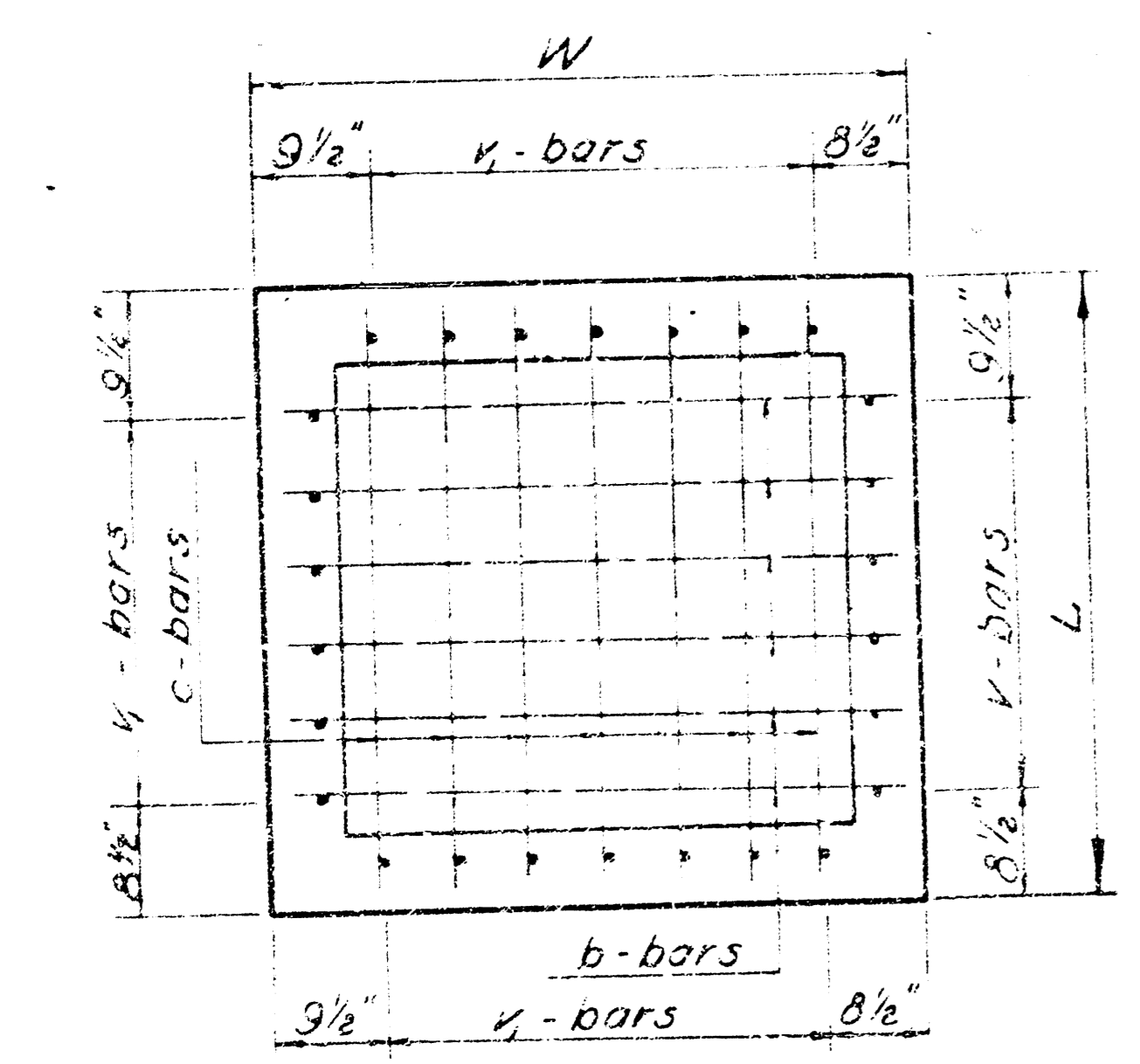
FRONT VIEW



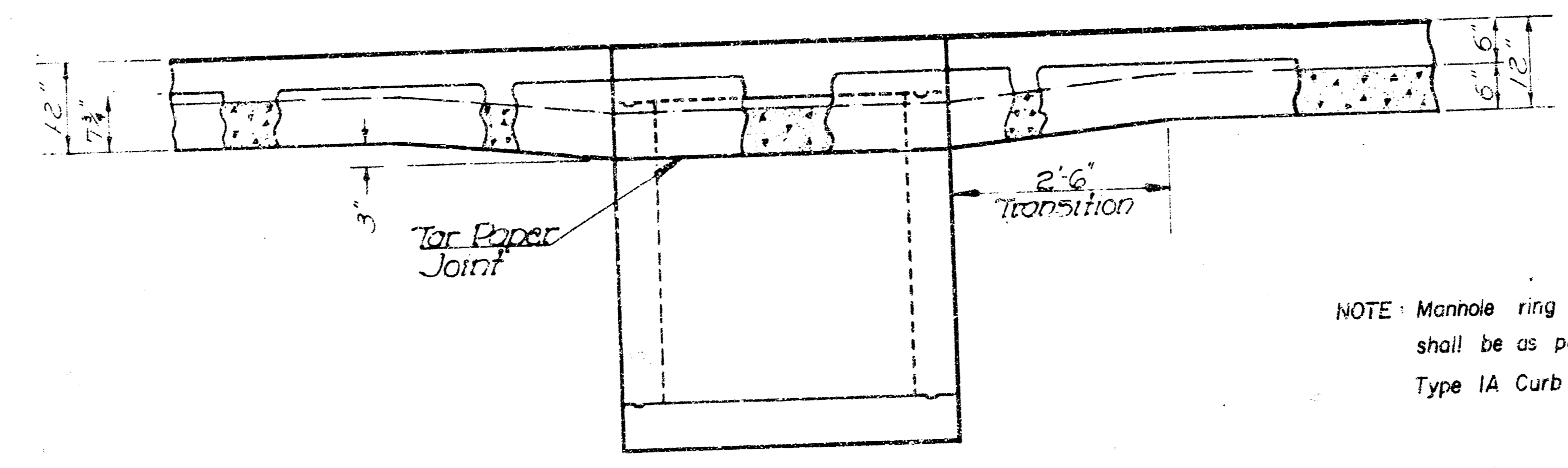
SECTION A-A



REAR VIEW



BOTTOM VIEW



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

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.

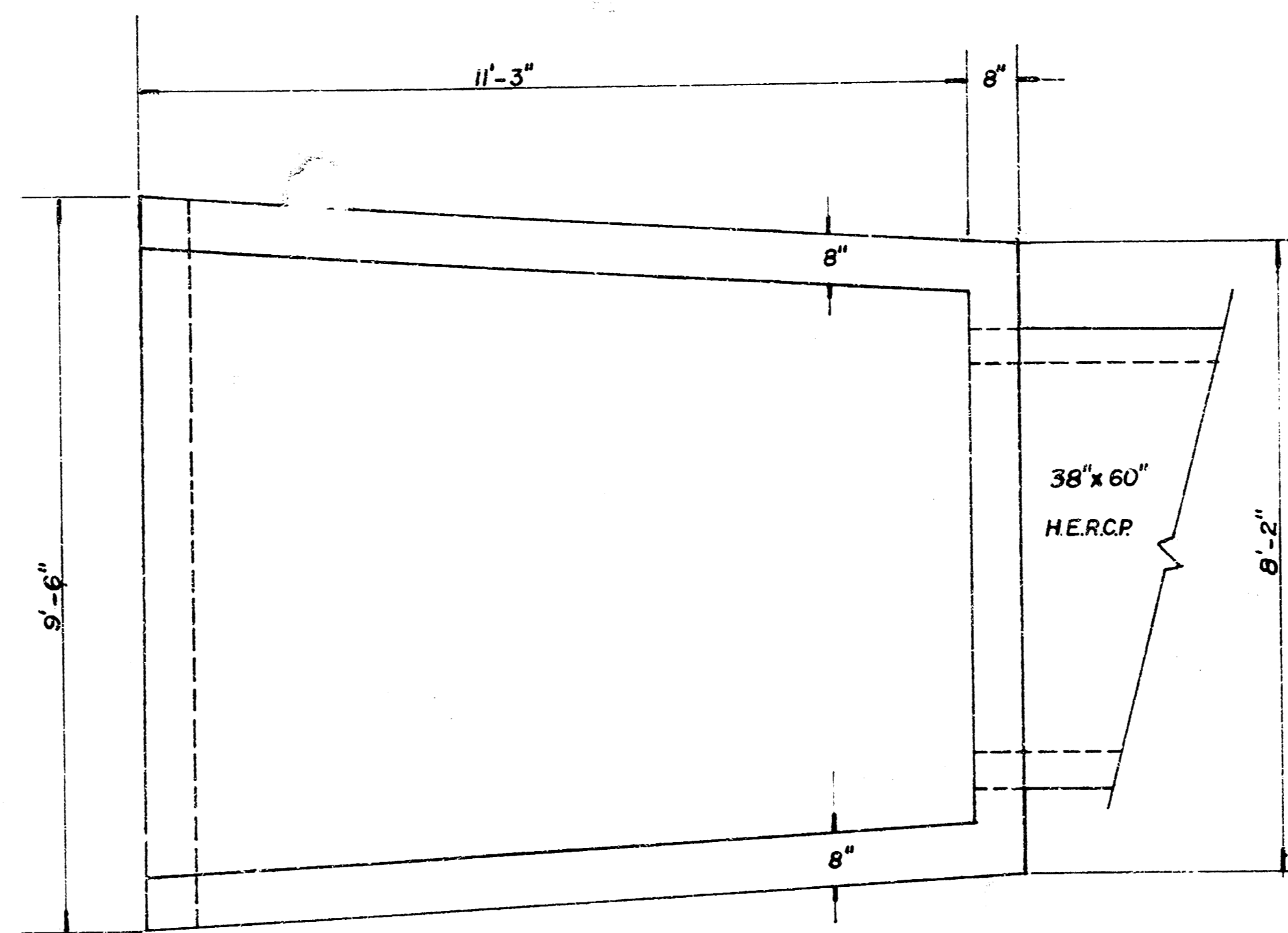
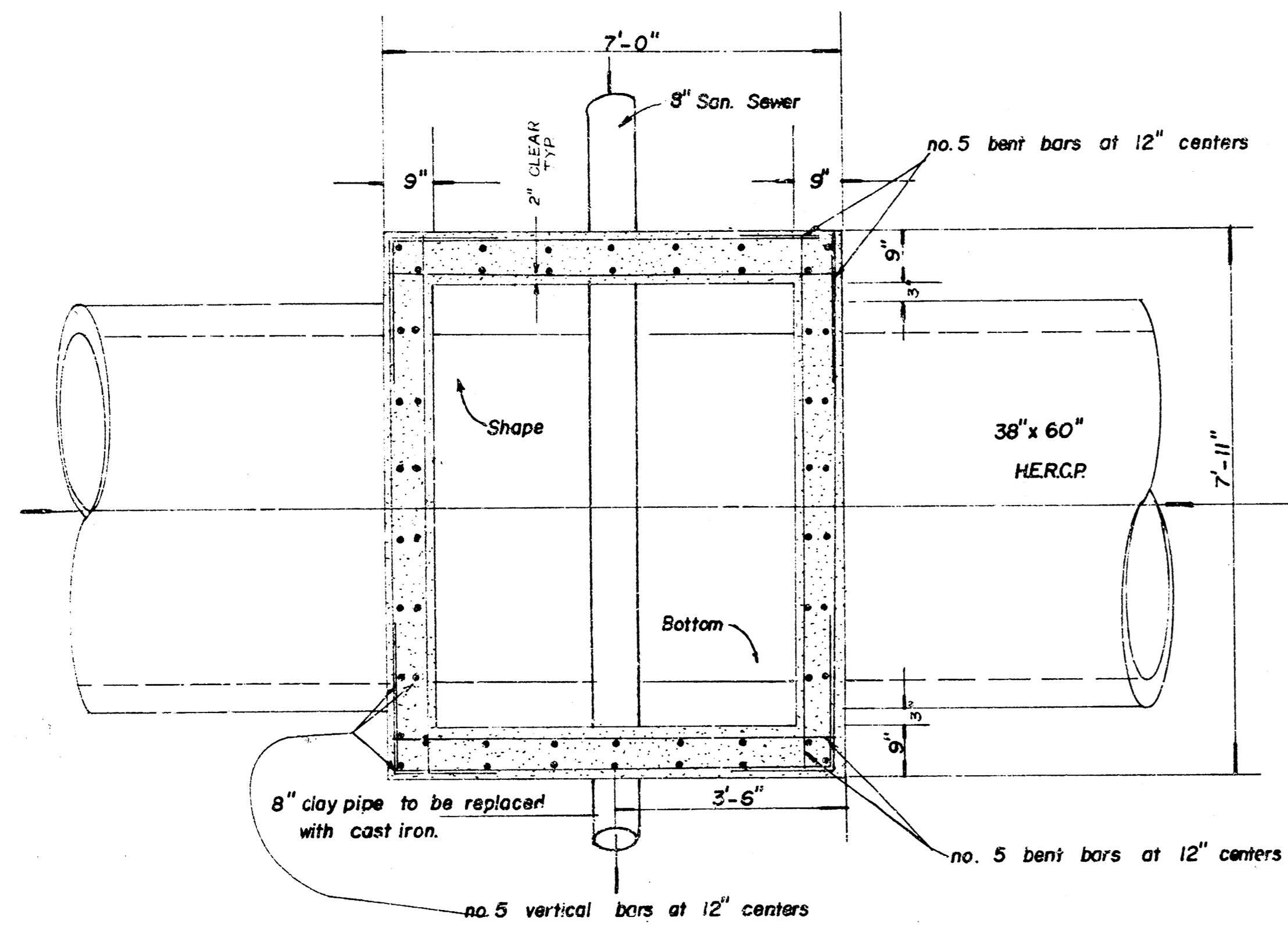
**CAST IRON**  
All exposed cast iron surfaces not subject to traffic shall receive a coat of a zinc dust paint applied either in the shop or in the field and two coats of aluminum paint applied in the field.

**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 1-1/2" 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-extending 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.

STATE HIGHWAY COMMISSION OF KANSAS				
TYPE 22 CURB INLET				
SHEET NO.	OF	SCALE	APP'D	TRK'D
DESIGNED	DETAIL'D	QUANT'Y	QUAN'TY	TRK'D
DESIGN CK	DETAIL CK	QUAN CK	QUAN CK	TRK'D CK

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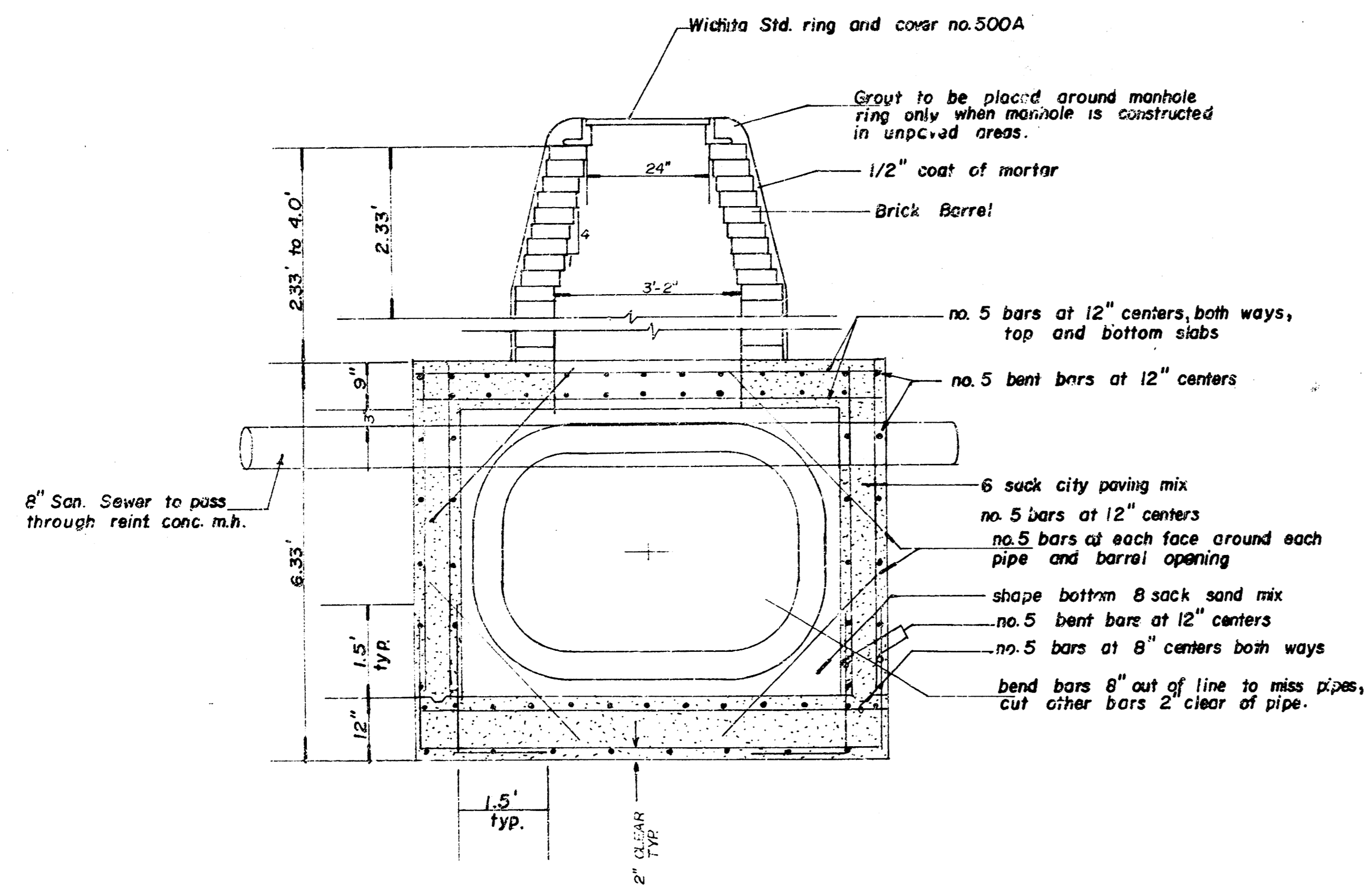


Plan

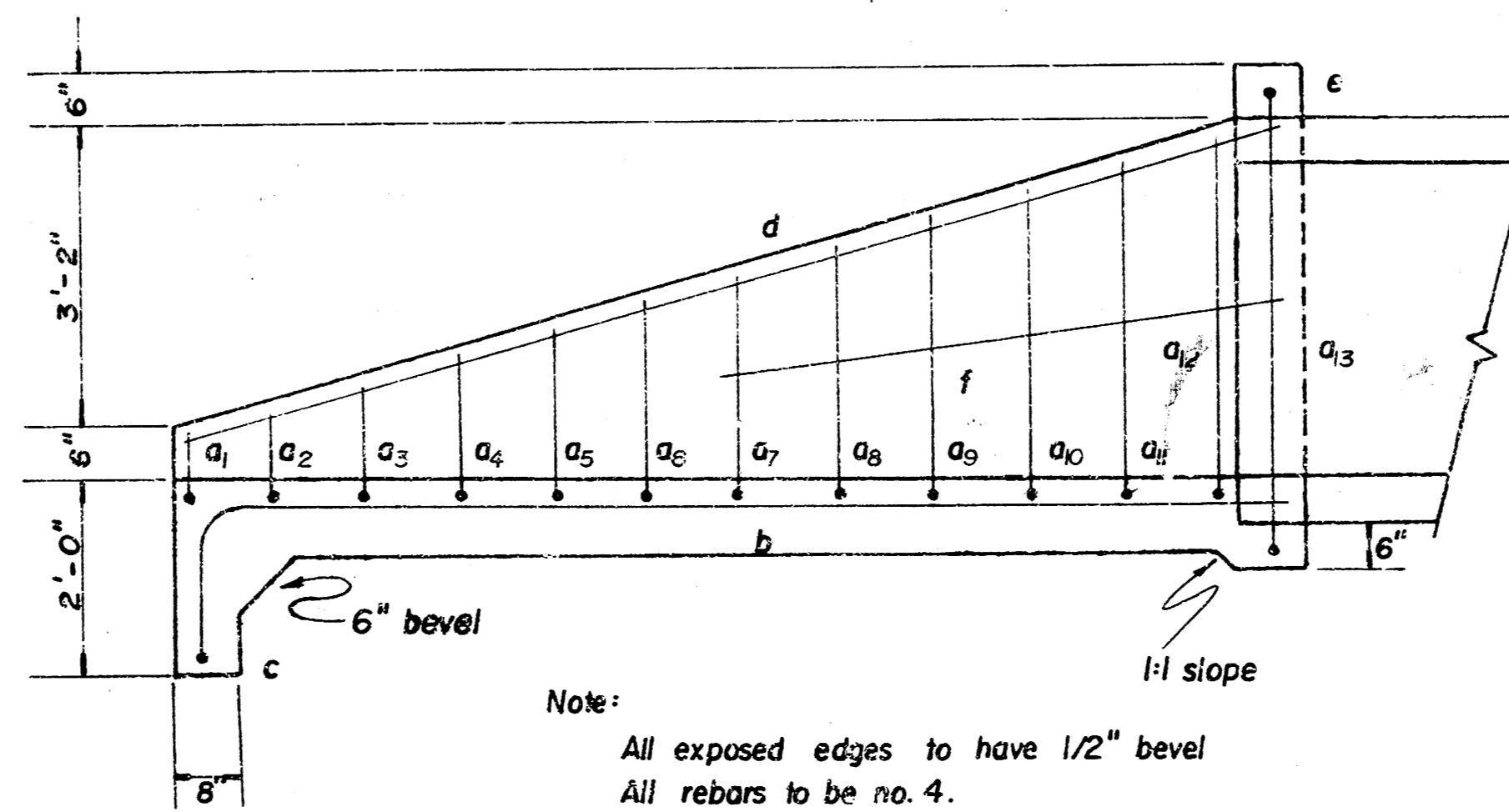
a bars	8"
a <sub>1</sub>	8'-10"
a <sub>2</sub>	8'-8"
a <sub>3</sub>	8'-7"
a <sub>4</sub>	8'-6"
a <sub>5</sub>	8'-5"
a <sub>6</sub>	8'-3"
a <sub>7</sub>	8'-2"
a <sub>8</sub>	8'-0"
a <sub>9</sub>	7'-11"
a <sub>10</sub>	7'-9"
a <sub>11</sub>	7'-8"
a <sub>12</sub>	7'-7"
a <sub>13</sub>	7'-6"

b bars	7'-6"
b	7'-6"



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



Note:  
All exposed edges to have 1/2" bevel  
All rebars to be no. 4.

Section

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

Table of Quantities				
Bars	Number	Length	Shape	Weight
a <sub>1</sub>	1	8'-6"		5.678
a <sub>2</sub>	1	8'-7"		5.734
a <sub>3</sub>	1	9'-8"		6.457
a <sub>4</sub>	1	9'-11"		6.624
a <sub>5</sub>	1	10'-1"		6.736
a <sub>6</sub>	1	10'-3"		6.847
a <sub>7</sub>	1	10'-5"		6.958
a <sub>8</sub>	1	10'-6"		7.014
a <sub>9</sub>	1	10'-8"		7.125
a <sub>10</sub>	1	10'-9"		7.181
a <sub>11</sub>	1	10'-11"		7.292
a <sub>12</sub>	1	11'-2"		7.459
a <sub>13</sub>	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