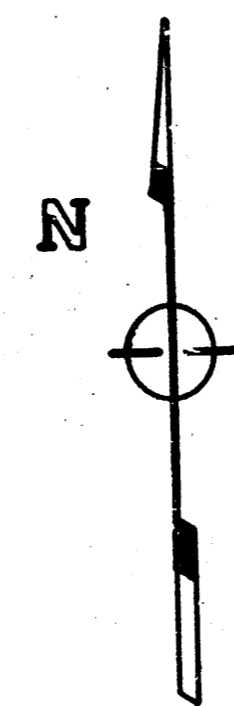


# STORM WATER SEWER NO. 279

PROJECT NO. 468-76-245-81429-000-000-001

**INDEX**

TITLE SHEET	1
STORM SEWER PLAN	2
INLET LOCATION DETAIL	3
MODIFIED TYPE I INLET DETAIL	4-5
DROP INLET DETAIL	6



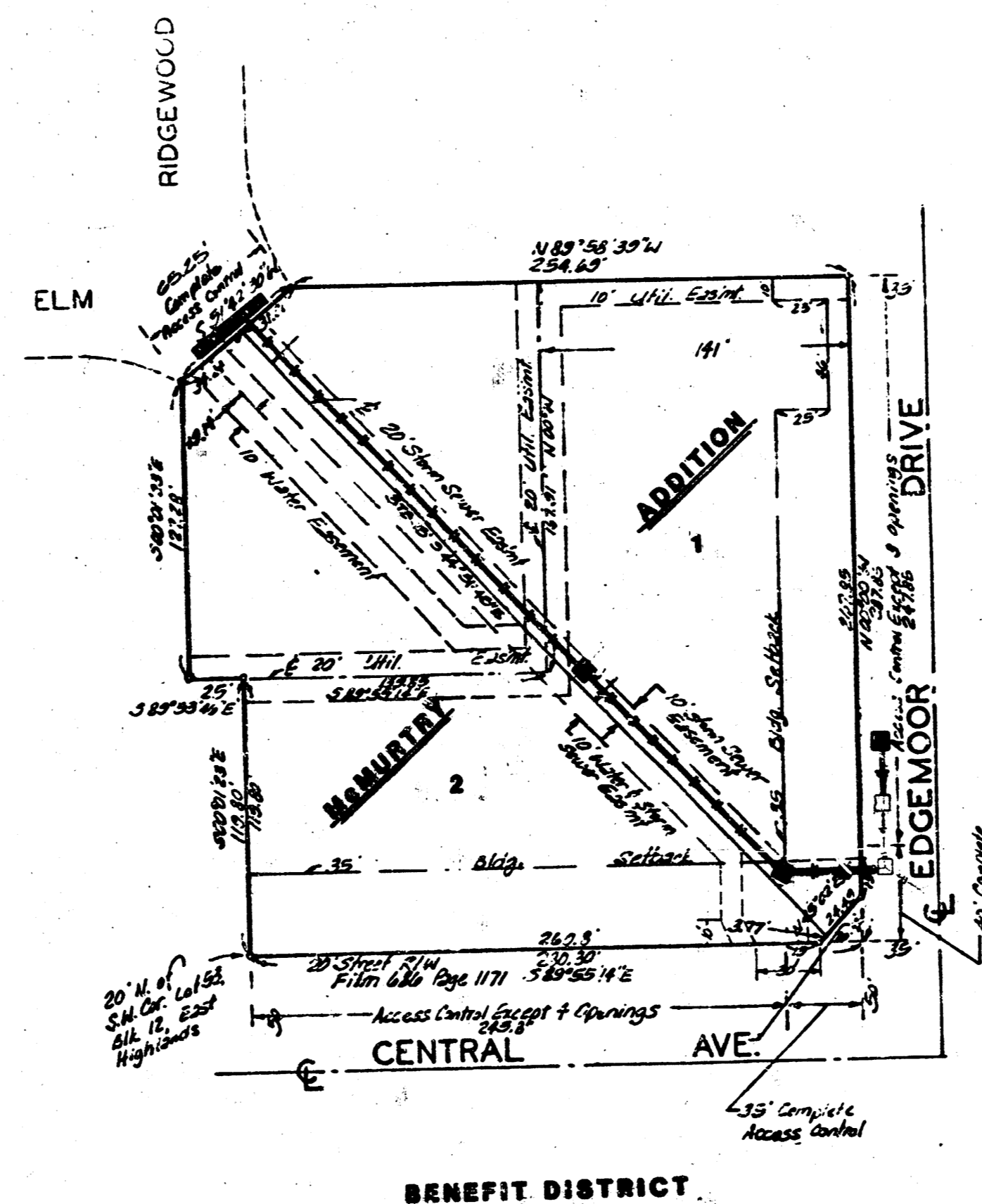
SCALE 1"=60'

**SYMBOLS**

GAS LINE	— G —
WATER LINE	— W —
SANITARY SEWER	— S —
MAN JOINT	— S —
PAVEMENT REMOVAL	▨

**BENCH MARK**

Rim of Manhole located 3' left of Sta. 1+88 Line 2  
Elevation = 188.45'  
"+" cut located at the back of the sidewalk approximately  
55' west and 50' north of the CL of Central & Edgemoor  
Elevation = 187.09

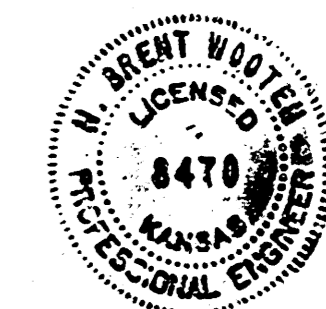


**GENERAL NOTES**

The contractor shall co-ordinate the storm sewer construction with the contractor of the 6" water main relocation.  
The contractor shall notify all the necessary utility companies for verification of their underground lines in the field prior to construction.  
The contractor shall also notify specifically The Gas Service Company in order to closely co-ordinate the relocation of their line at Elm and Ridgewood simultaneously with the storm sewer construction and street removal at that location.  
The contractor shall use saw joint where necessary for pavement removal. The cost of any sawed joint shall be considered as incidental to the cost of pavement removal.  
The contractor shall remove and reset the 30" RCP stub at Sta. 0+39.4 Line 1. The cost shall be considered as incidental to the cost of the 30" RCP.  
The contractor shall regrade all disturbed areas within the street RW back in good finished condition. The trench areas and other areas of pavement removal shall be graded back to an even grade.  
The intersection at Elm and Ridgewood shall be properly signed and barricaded to traffic during construction at this location.  
The contractor shall remove one sign as indicated on the plans. The cost of the sign removal shall be considered as incidental to the project.

*AS BUILTS  
9/BS  
GREENE*

**CITY OF WICHITA, KS**  
**MICHAEL E. LINDEBAK** CITY ENGINEER

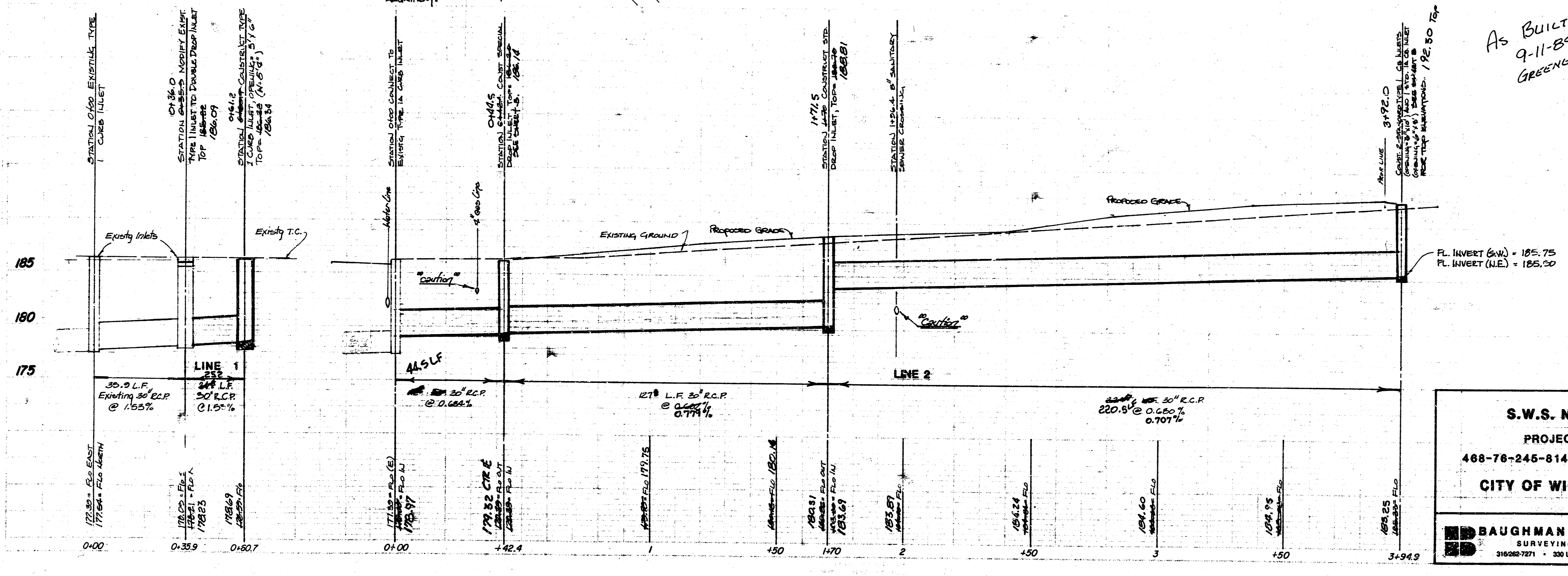
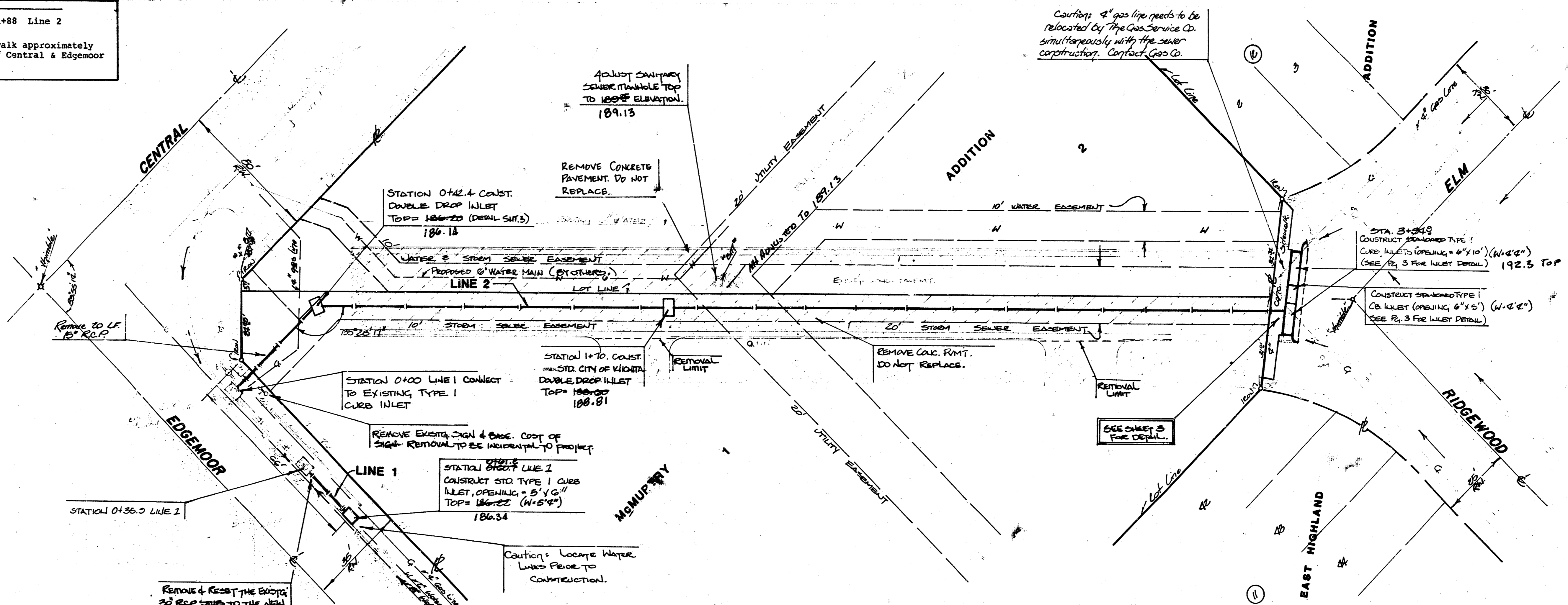


APRIL 1985

**BAUGHMAN COMPANY, P.A.**  
SURVEYING & ENGINEERING  
31623-7271 • 320 LAURA • WICHITA, KANSAS 67211

**BENCH MARKS**  
 Rim of Manhole located 5' left of Sta. 1+88 Line 2  
 Elevation = 189.44 *189.13*  
 1" x 1" cut located at the back of the sidewalk approximately  
 55' west and 50' north of the C.I. of Central & Edgemoor  
 Elevation = 187.09

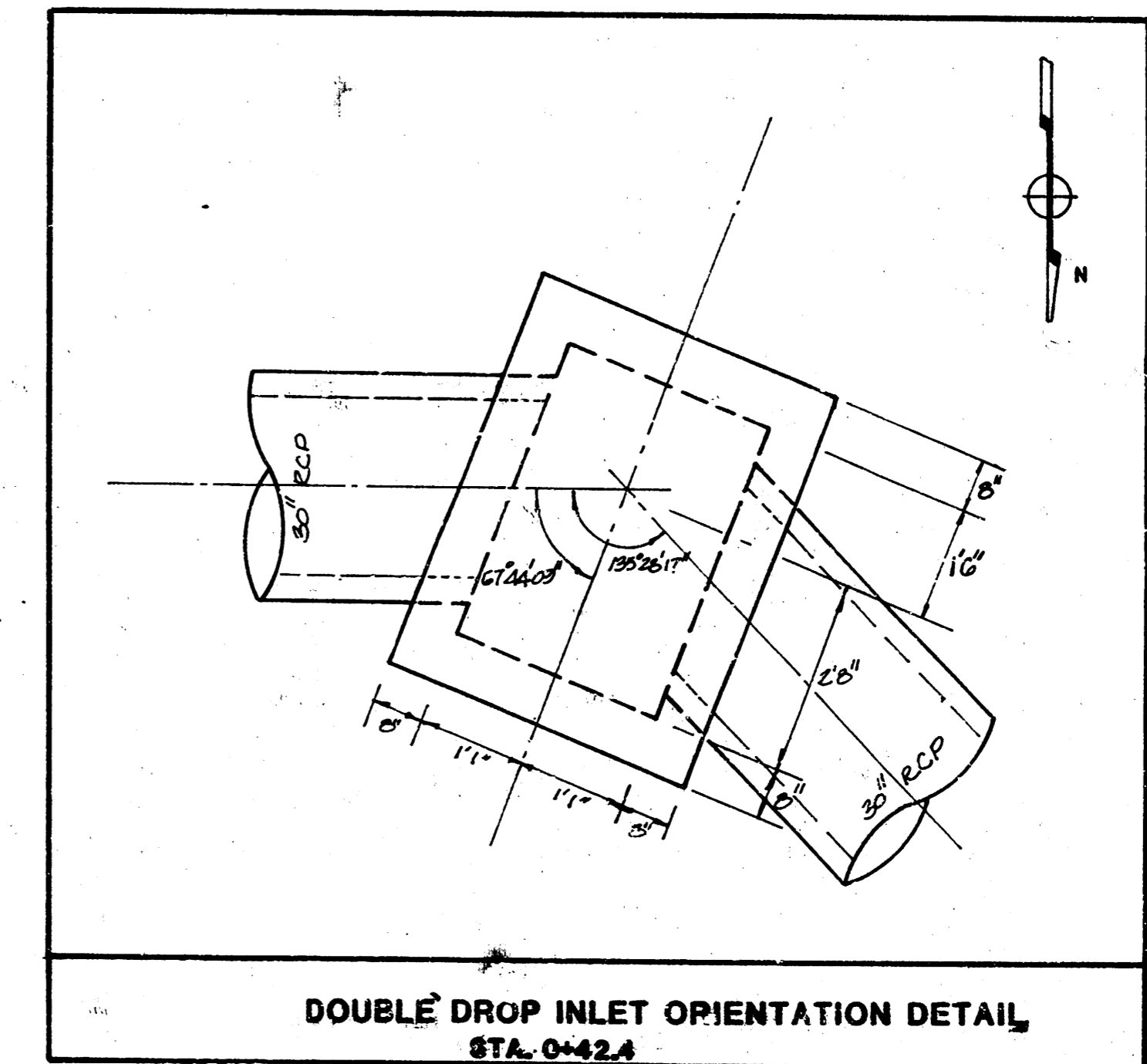
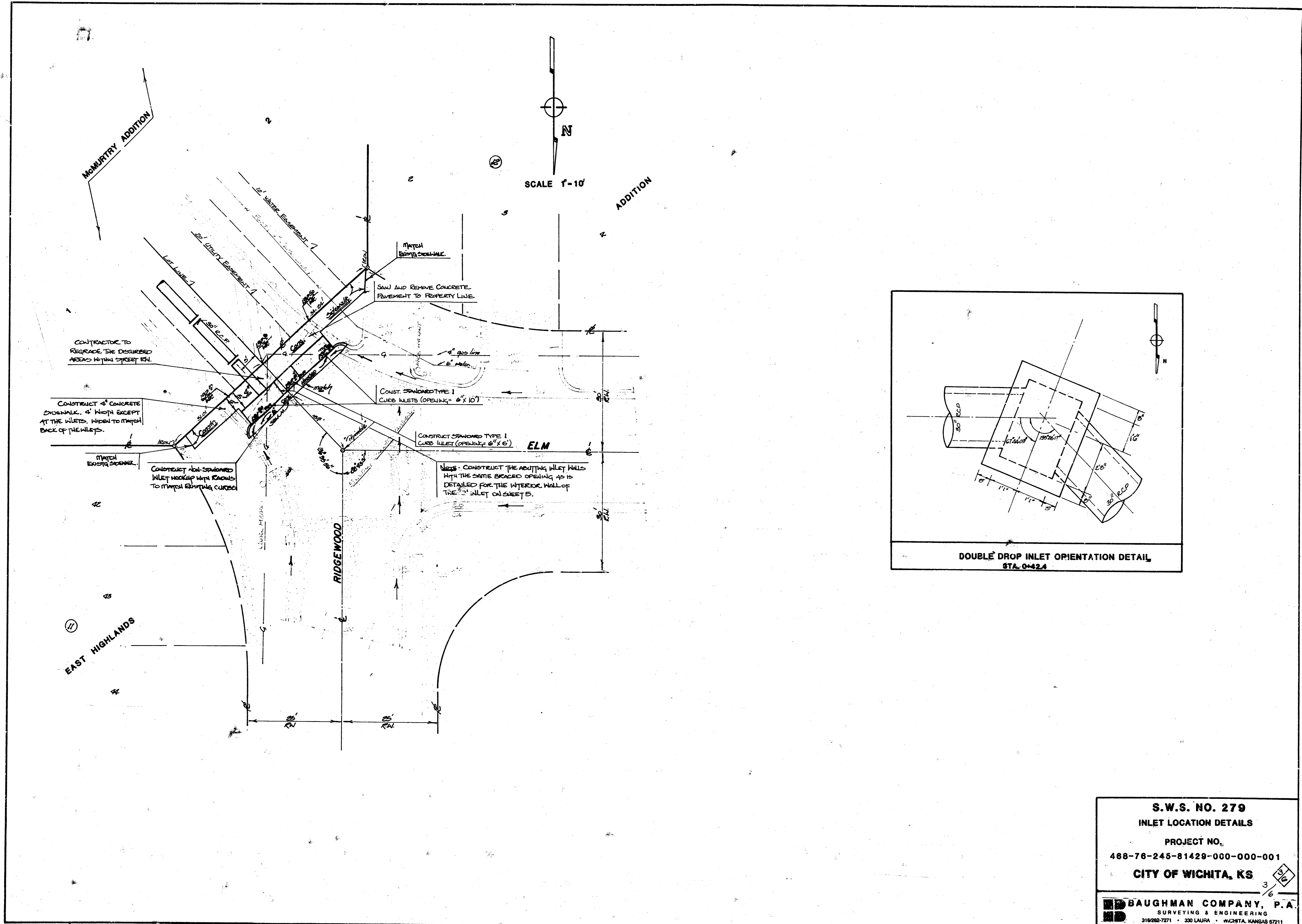
SCALE: 1"=20' PLAN  
 1"=5' PROFILE



As BUILT PLAN  
 9-11-85  
 GREENE

**S.W.S. NO. 279**  
 PROJECT NO.  
 488-76-245-81428-000-000-001  
 CITY OF WICHITA, KS

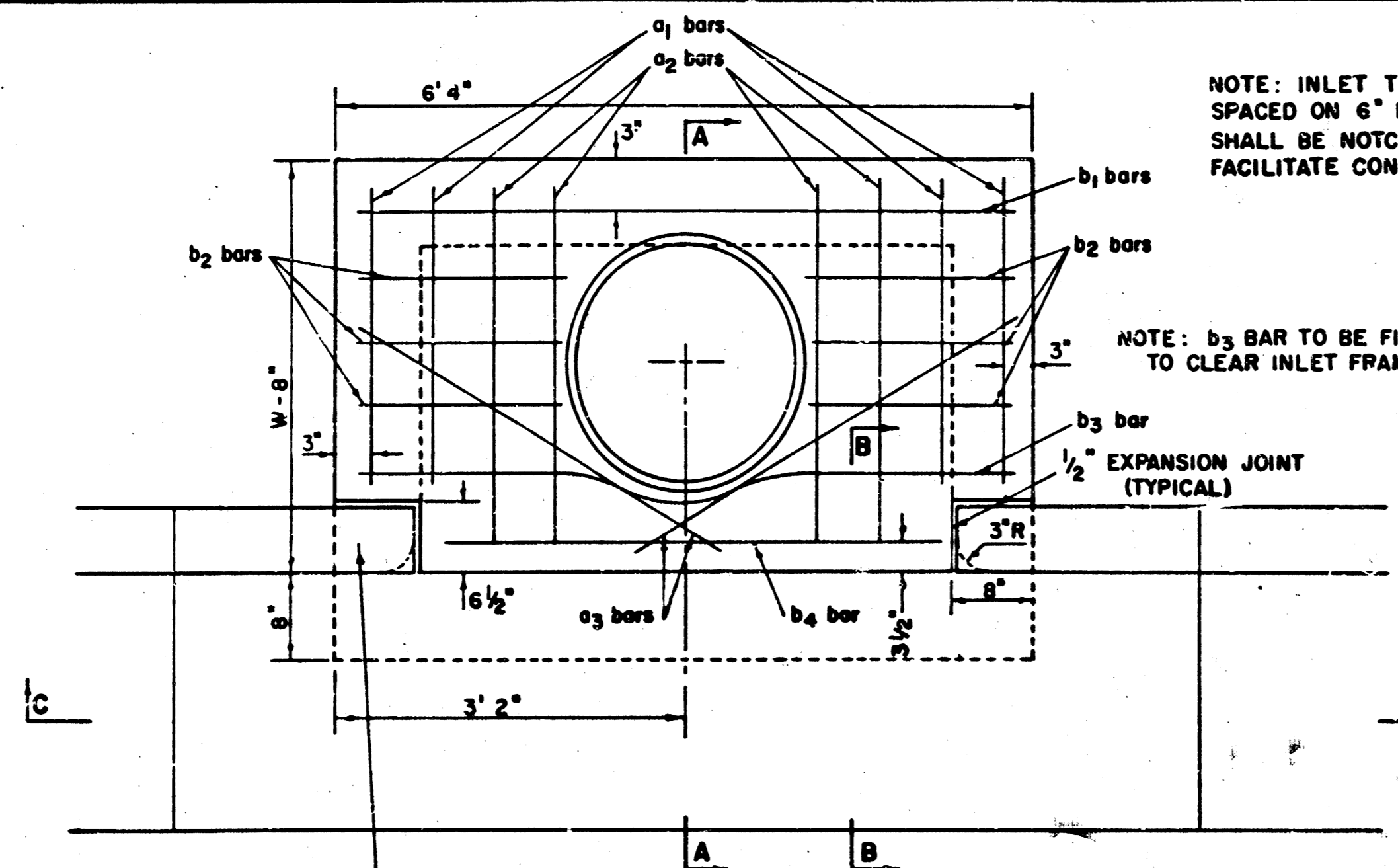
**BAUGHMAN COMPANY, P.A.**  
 SURVEYING & ENGINEERING  
 316082-7211 • 330 LAURA • WICHITA, KANSAS 67211



S.W.S. NO. 279  
 INLET LOCATION DETAILS  
 PROJECT NO.  
 488-76-245-81429-000-001  
 CITY OF WICHITA, KS

3/16

BAUGHMAN COMPANY, P.A.  
 SURVEYING & ENGINEERING  
 316/282-7271 • 330 LAURA • WICHITA, KANSAS 67211



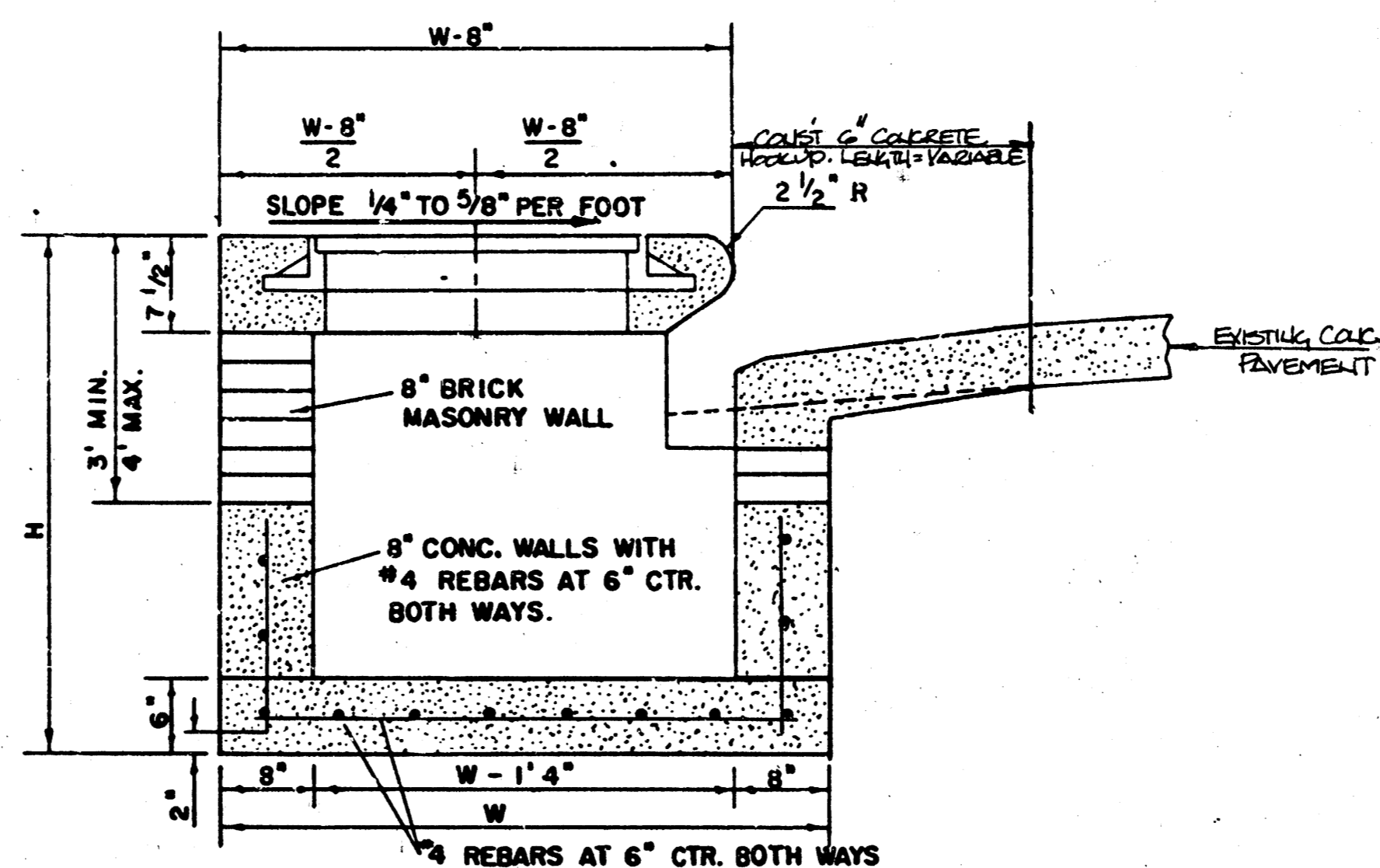
WARP CURB TO MATCH INLET TOP WITH 1' MIN. TRANSITION LENGTH

PLAN

NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

NOTE: b3 BAR TO BE FIELD BENT TO CLEAR INLET FRAME.

1/2" EXPANSION JOINT (TYPICAL)



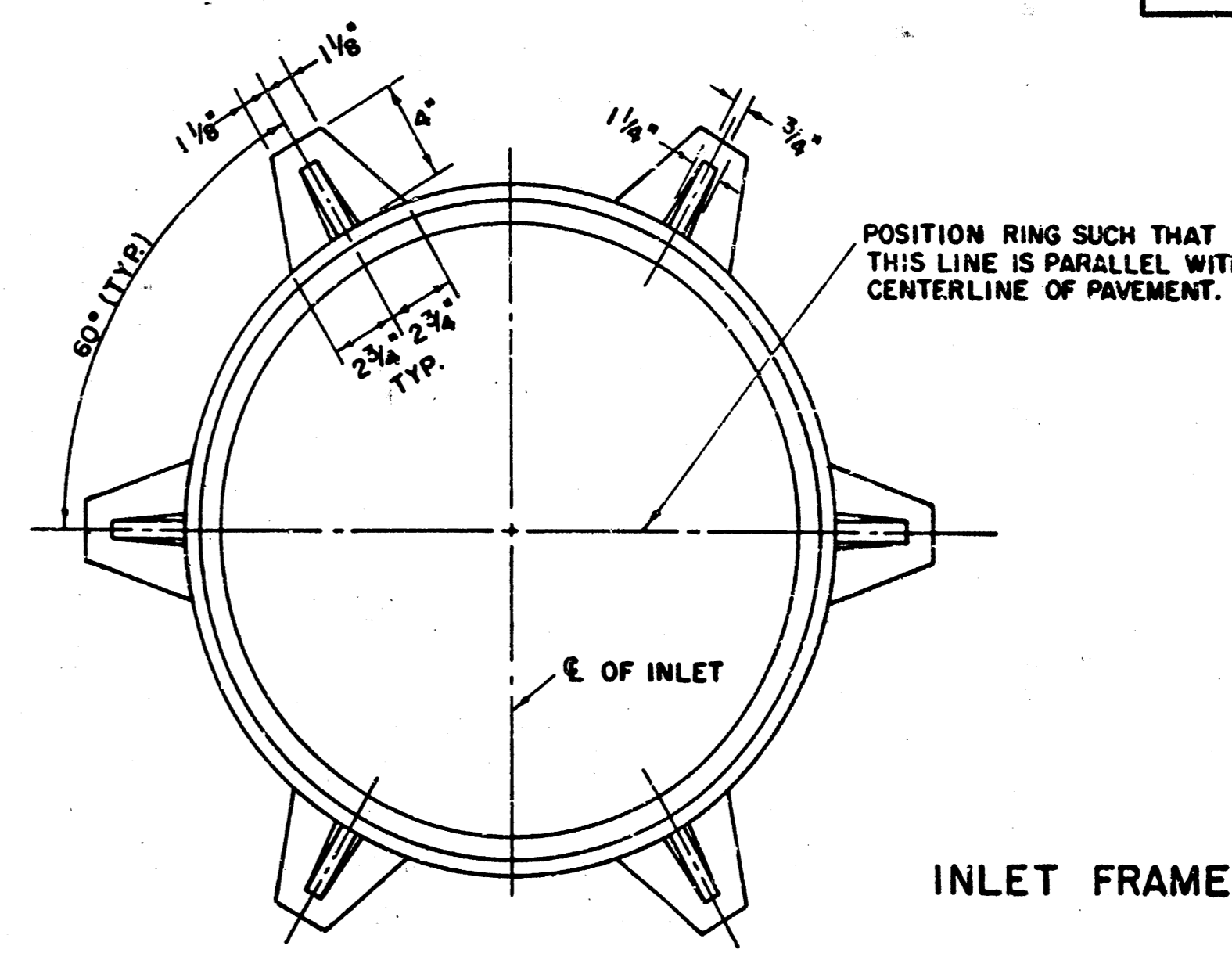
SECTION A-A

NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.

NOTE CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8\"/>

INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.



INLET FRAME

WEIGHT - 180 LBS.

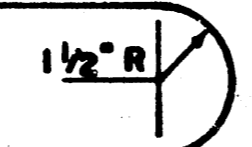
STEEL SCHEDULE

BAR NUMBER	a1	a2	a3	b1	b2	b3	b4	WT. LBS.
SIZE	"4	"4	"4	"4	"4	"4	"6	
W=4'4"	5'7"	6'7"	4'0"	6'1"	-	-	-	1'9" 6'2" 4'8" 60.2
W=5'4"	7'7"	8'7"	5'0"	6'1"	-	-	-	1'9" 6'2" 4'8" 81.2
W=6'4"	9'7"	10'7"	6'0"	6'1"	-	-	-	1'9" 6'2" 4'8" 101.2
W=7'4"	11'7"	12'7"	7'0"	6'1"	-	-	-	1'9" 6'2" 4'8" 121.2
W=8'4"	13'7"	14'7"	8'0"	6'1"	1'9"	6'2"	4'8"	141.2

NOTE: a3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER.

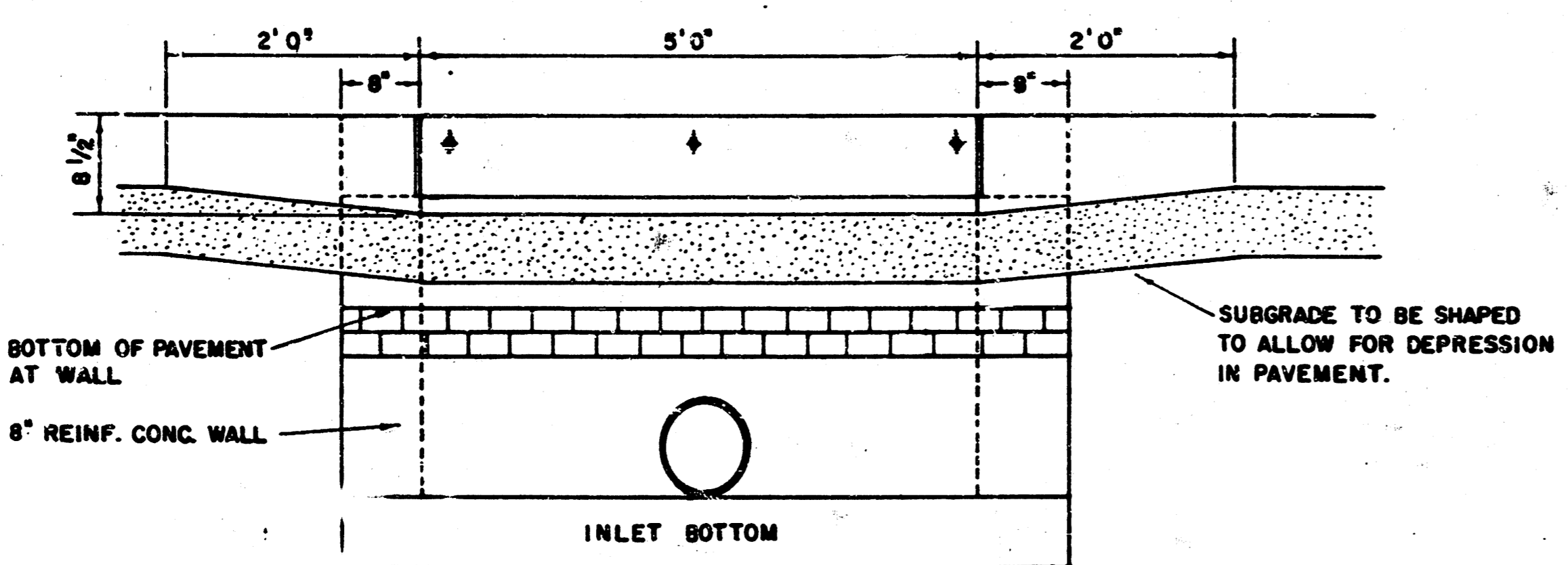
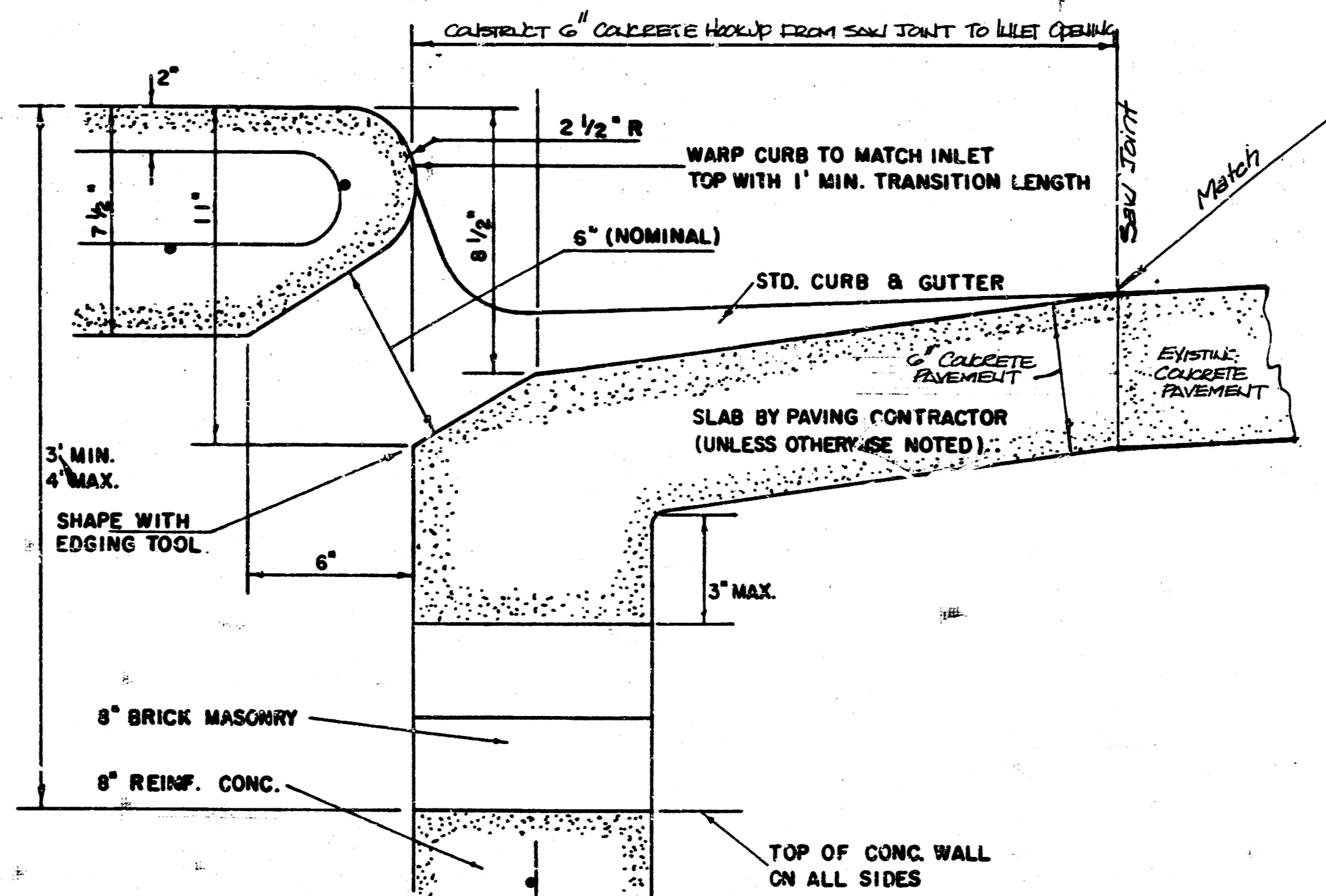
W	PRECAST TOP SIZE	PIPE SIZE	CLYD. CONC.
4'4"	3'8" 6'4" 7 1/2"	21" & SMALLER	0.38
5'4"	4'8" 6'4" 7 1/2"	24" & 30"	0.51
6'4"	5'8" 6'4" 7 1/2"	36" & 42"	0.64
7'4"	6'8" 6'4" 7 1/2"	48" & 54"	0.77
8'4"	7'8" 6'4" 7 1/2"	60" & 66"	0.90

a1 bar = W-21"  
a2 bar = W-15"



BENDING DIAGRAM

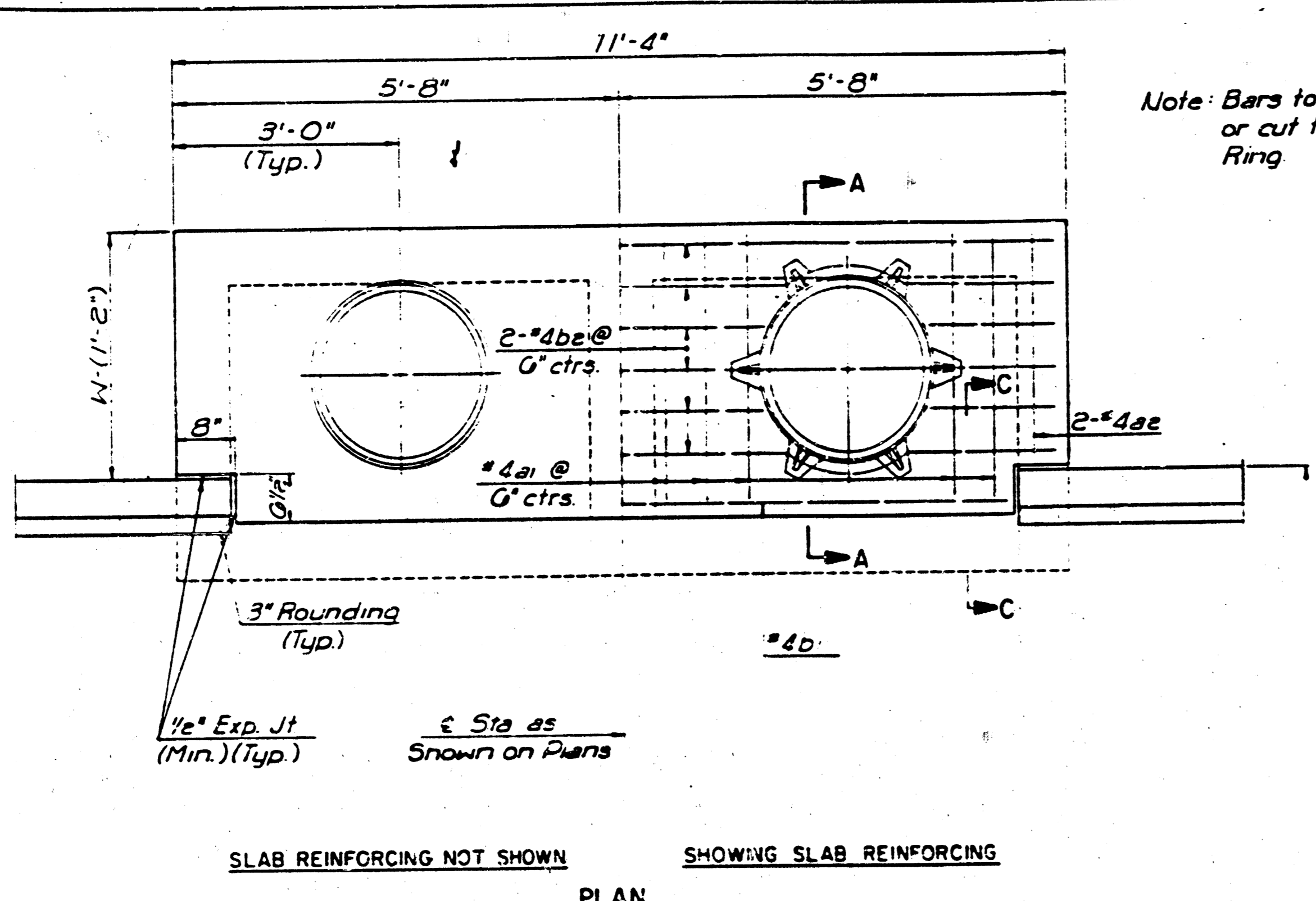
SECTION B-B



SECTION C-C

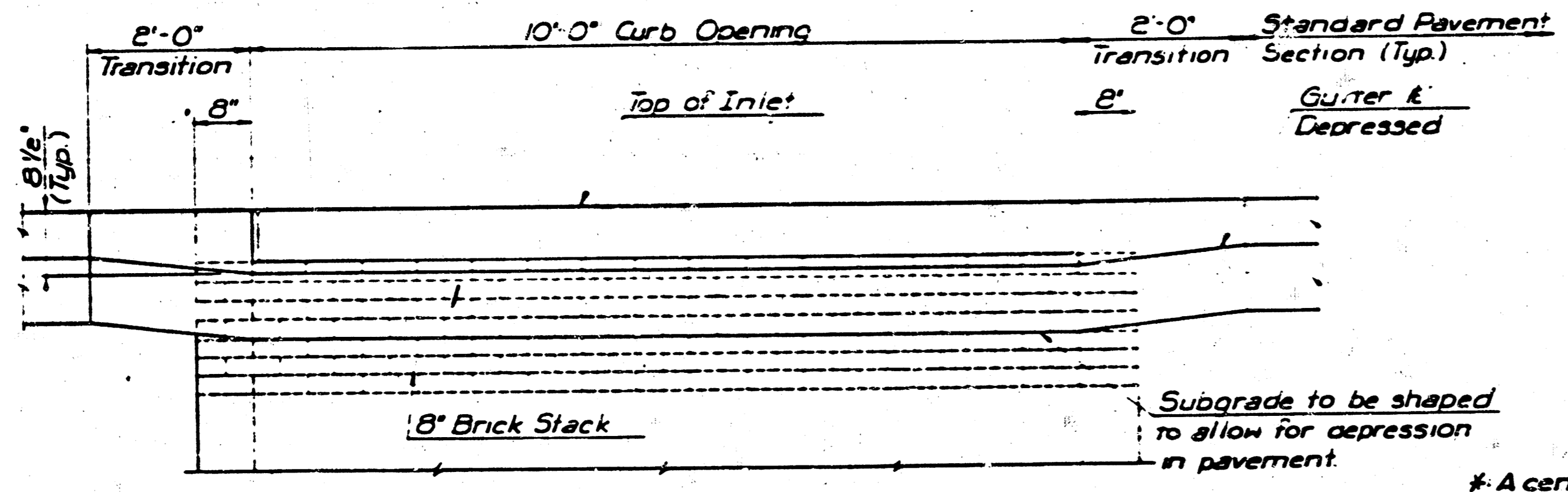
REVISED 12-21-1984  
**DETAIL STANDARD TYPE I CURB INLET**  
 CITY OF WICHITA, KANSAS  
 INLET OPENING = 6" x 5'0"  
 JUNE 1984

SHEET NO.	TOTAL SHEETS

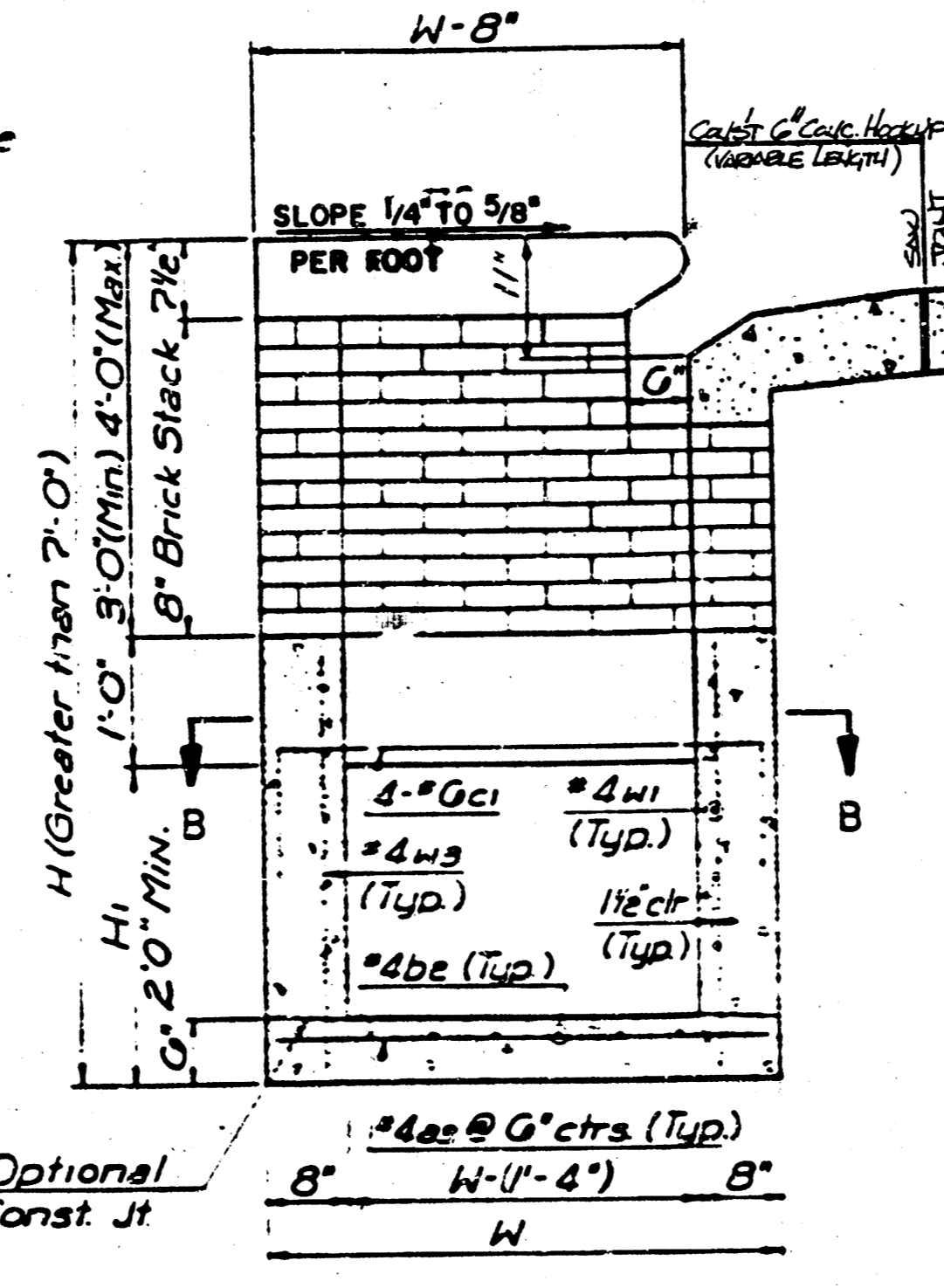


Note: Bars to be field bent or cut to clear Manhole Ring

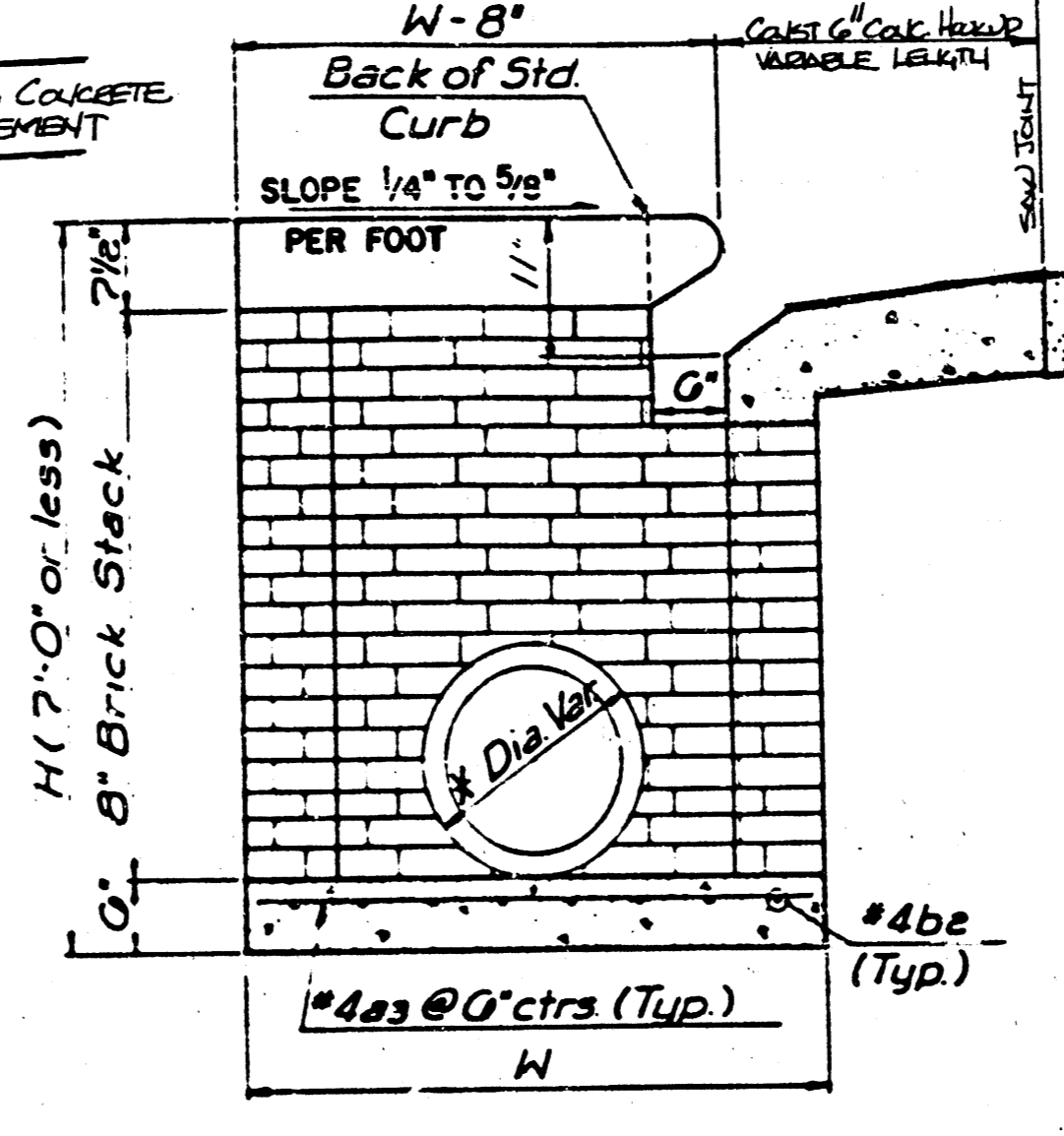
SLAB REINFORCING NOT SHOWN PLAN SHOWING SLAB REINFORCING



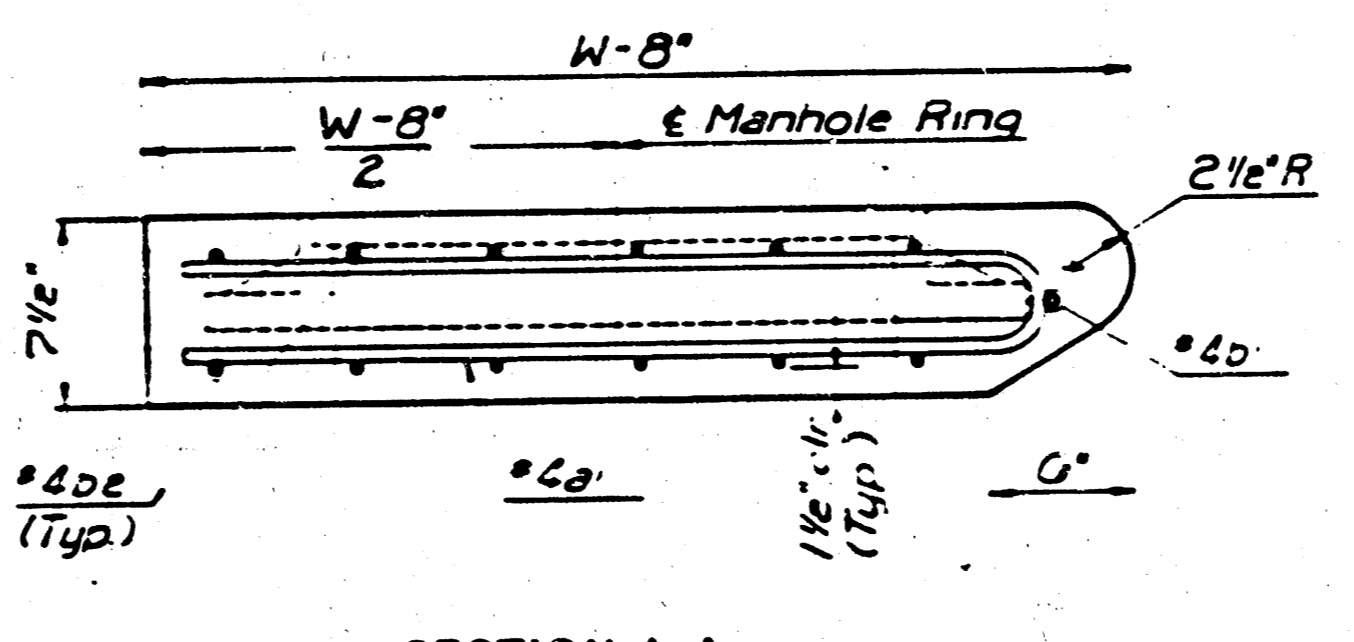
ELEVATION



TYPICAL INLET SECTION AT CENTER WALL (Reinforced Concrete Walls)



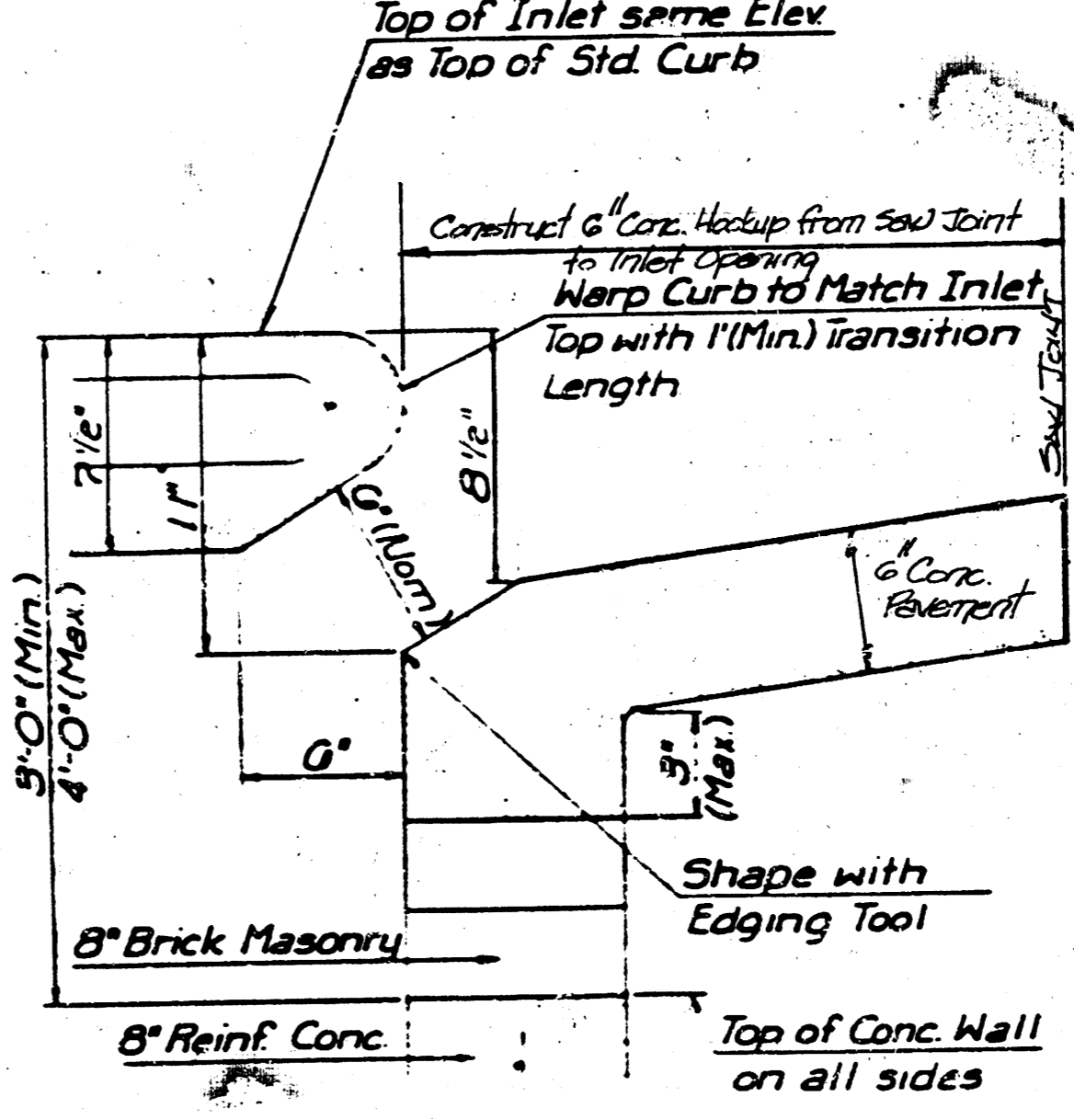
TYPICAL INLET SECTION AT CENTER WALL (Masonry Walls)



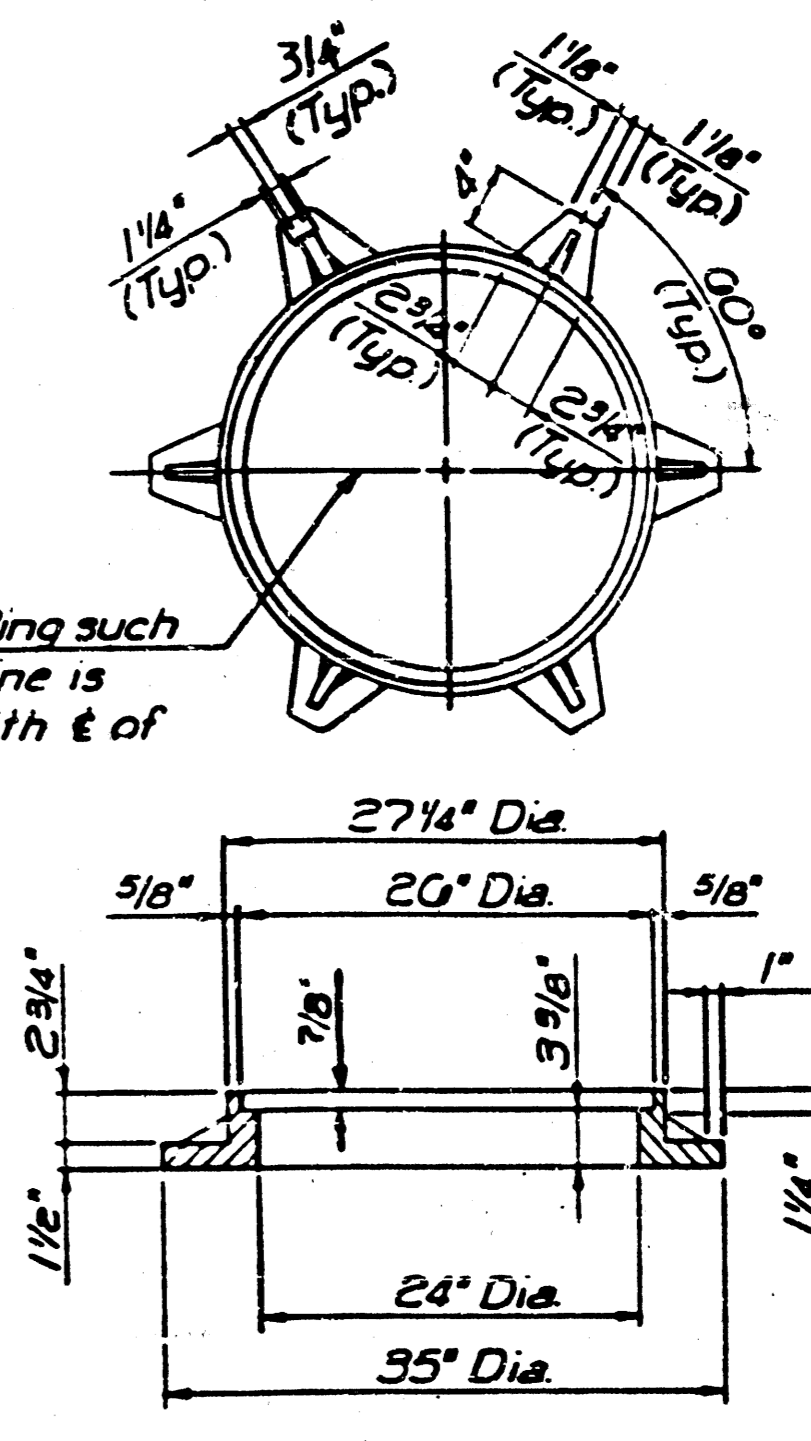
SECTION A-A

\* A center wall opening shall be provided by means of a section of reinforced concrete pipe. The minimum diameter used shall be that of the outlet pipe.

Note: Concrete top to be installed on thin mortar cushion to insure full support along walls.



SECTION C-C

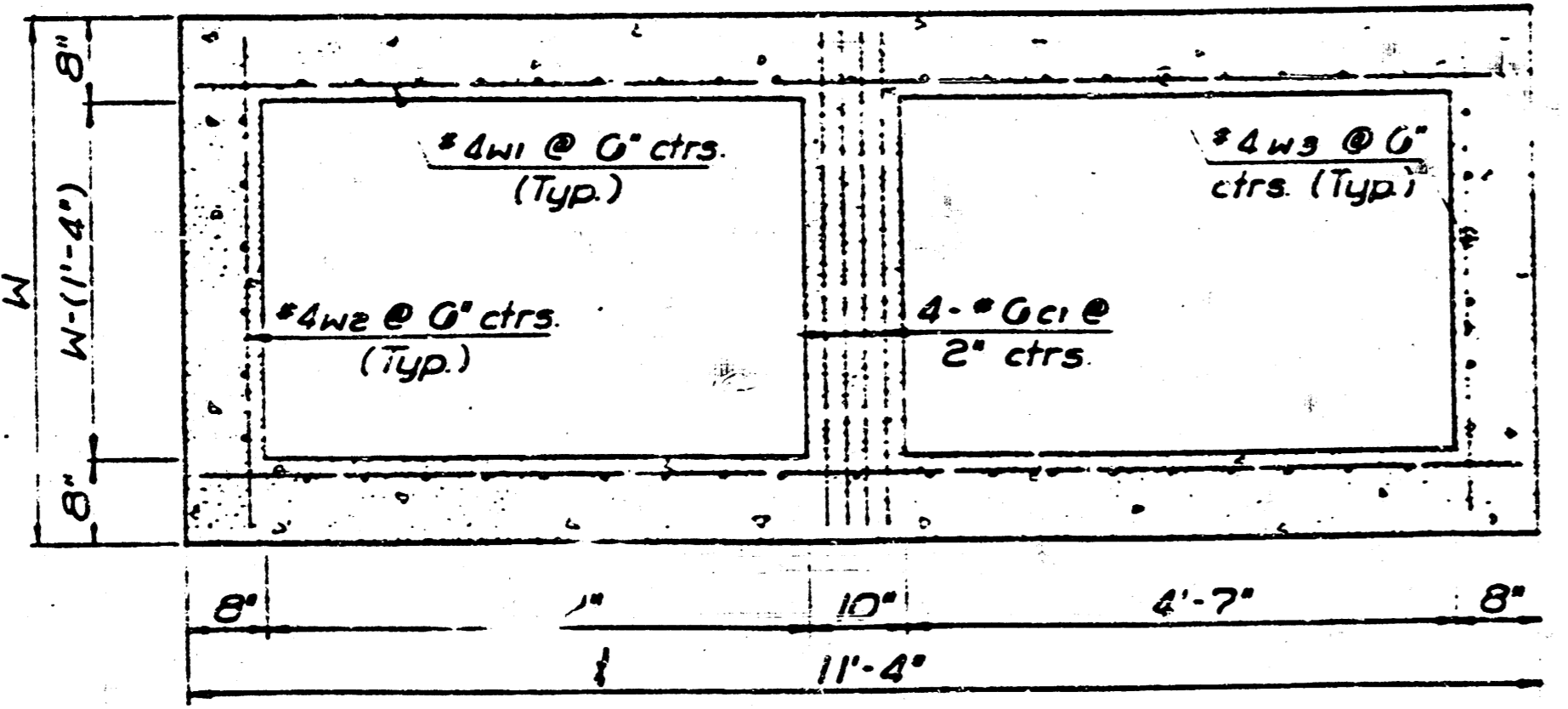


INLET FRAME (Weight = 180 LBS.)

SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.

**GENERAL NOTES**  
Concrete shall be C.O.W. Standard Paving Mix. All exposed edges shall be finished with an edging tool. Reinforcing Bars shall be field bent or cut to clear sides. All bars are #4 bars at G' Spacing and shall have a minimum clearance of 1/2" unless otherwise noted. Floors of inlet shall be shaped with 8 Sack Sand Mix Concrete to increase hydraulic efficiency such that the inlet will be self cleaning between the inlet and/or outlet pipe(s). The Contractor will be required to construct 8" Brick Masonry Walls between the concrete inlet base and top on this inlet when H=7'-0" or less and W=6'-4" or less.

THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.



SECTION B-B

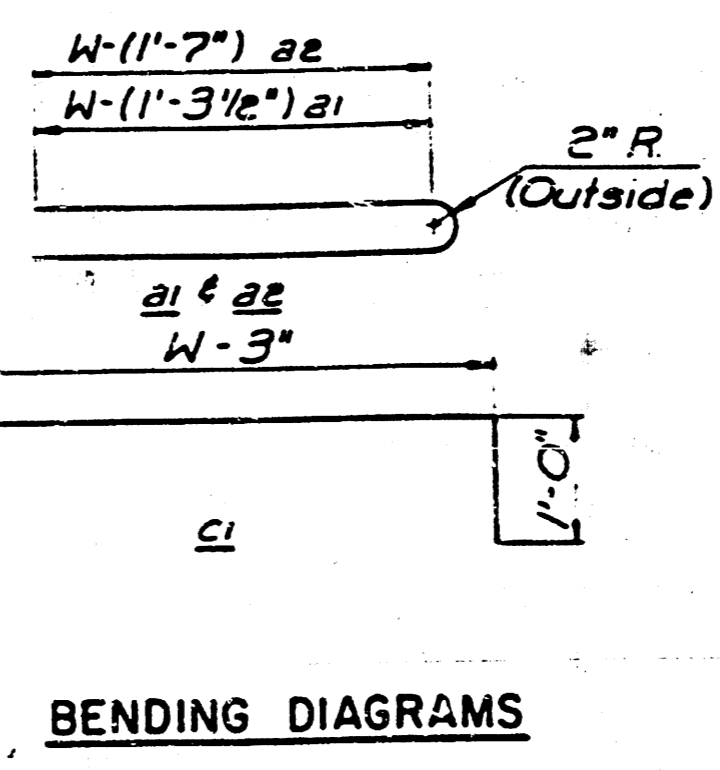
SLAB AND FLOOR REINFORCING											
Mark	Size	No	Length	No	Length	No	Length	No	Length	No	Length
a1	#4	13	0'-7 1/2"	13	8'-7 1/2"	13	10'-7 1/2"	13	12'-7 1/2"	13	14'-7 1/2"
a2	#4	2	0'-0"	2	8'-0"	2	10'-0"	2	12'-0"	2	14'-0"
a3	#4	20	4'-1"	20	5'-1"	20	6'-1"	20	7'-1"	20	8'-1"
b1	#4	1	0'-8"	1	0'-8"	1	0'-8"	1	0'-8"	1	0'-8"
b2	#4	18	11'-1"	22	11'-1"	30	11'-1"	36	11'-1"	42	11'-1"

WALL REINFORCING											
Mark	Size	No	Length	No	Length	No	Length	No	Length	No	Length
c1	#4	4	0'-1"	4	7'-1"	4	8'-1"	4	9'-1"	4	10'-1"
w1	#4	1	11'-1"	1	11'-1"	1	11'-1"	1	11'-1"	1	11'-1"
w2	#4	1	4'-1"	1	5'-1"	1	6'-1"	1	7'-1"	1	8'-1"
w3	#4	2	5'-1"	2	6'-1"	2	7'-1"	2	8'-1"	2	9'-1"

\* Field bend or cut Reinforcing as required for clearance

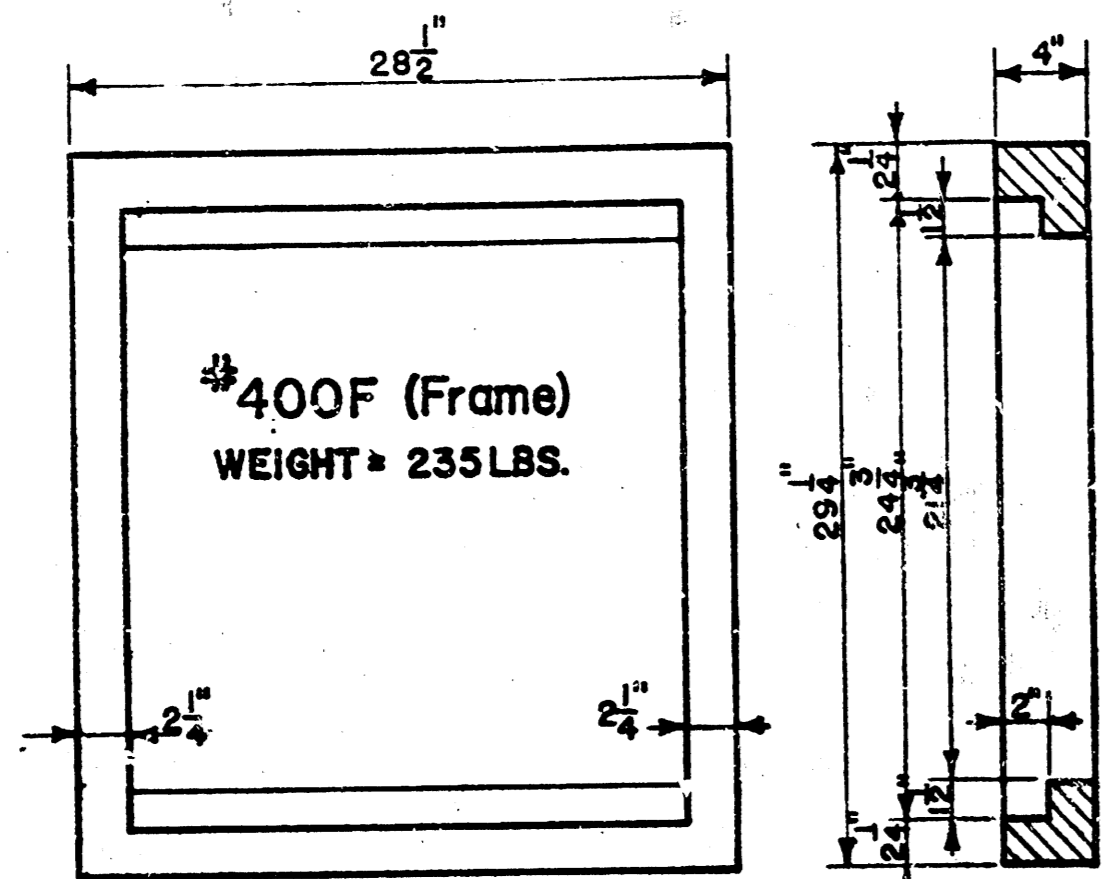
① 4 (H-1-G) ② 40 x 4 (W-1) ③ H-1 (D)



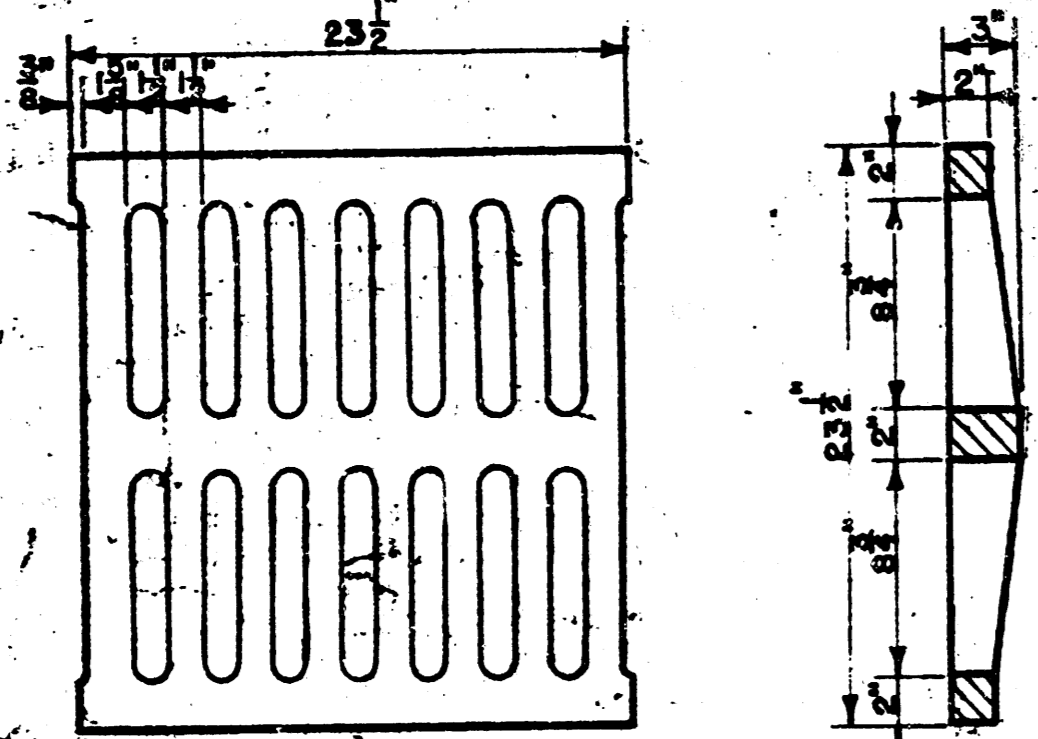
BENDING DIAGRAMS

REVISED 12-21-1984  
**DETAIL STANDARD TYPE I CURB INLET**  
INLET OPENING = 6' x 10'-0"  
CITY OF WICHITA  
M. E. LINDEBAK, CITY ENGINEER  
OCTOBER 1984

NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters of at least 1" in height. Other marking methods may be used only if approved by the engineer.

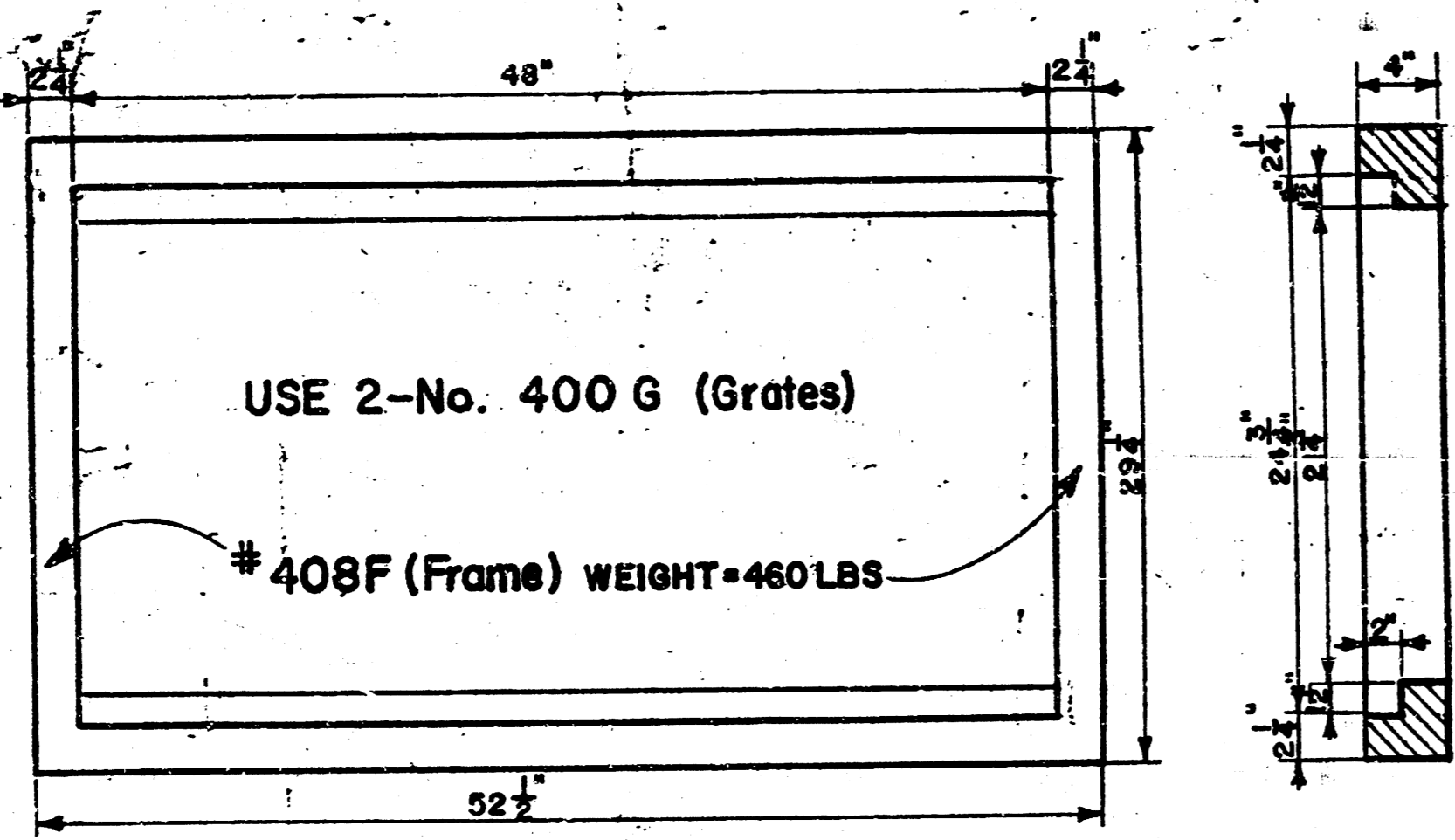


#400F (Frame)  
WEIGHT = 235 LBS.



#400G (Grate)  
WEIGHT = 235 LBS.

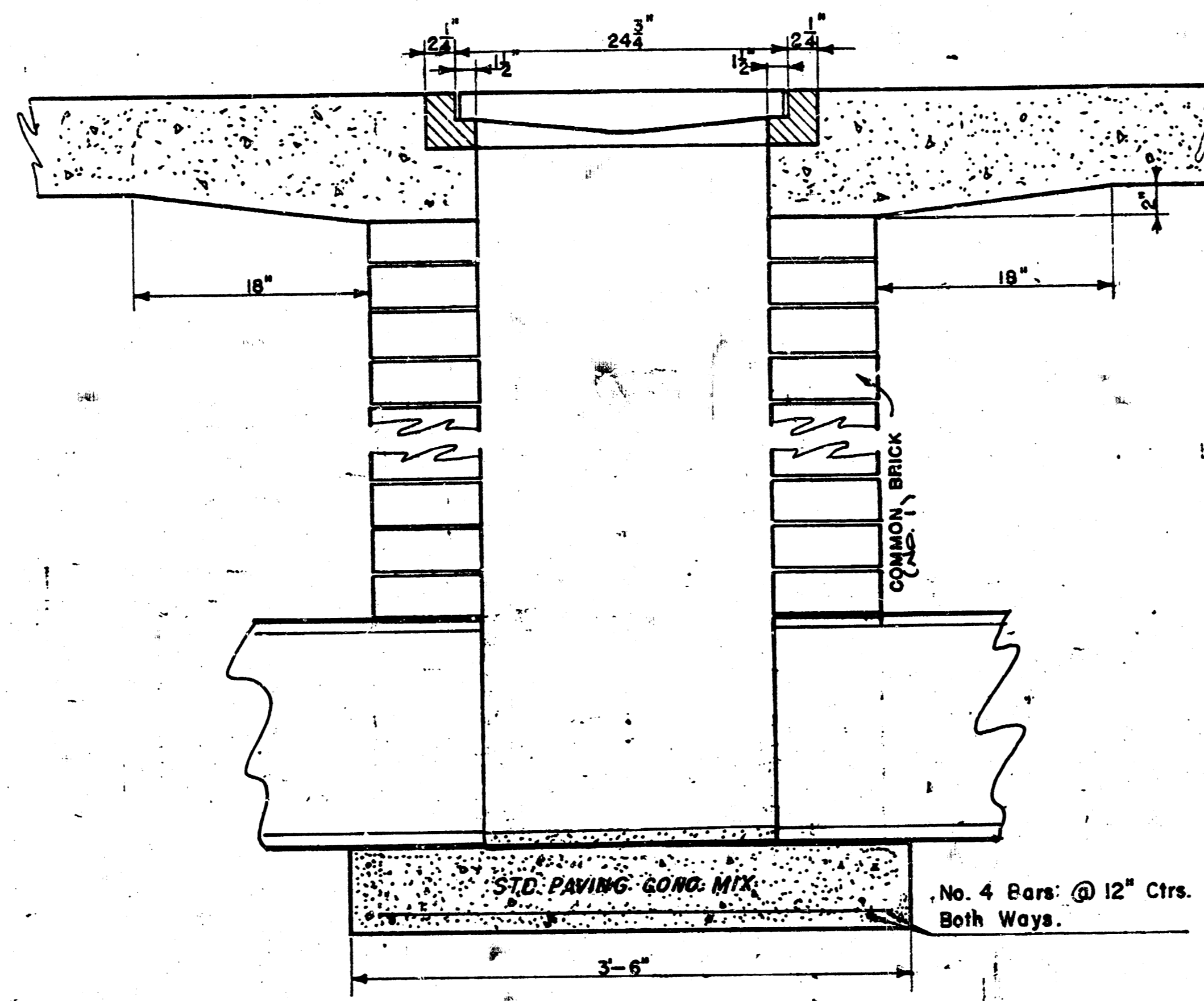
24"x24" Frame & Grate Detail



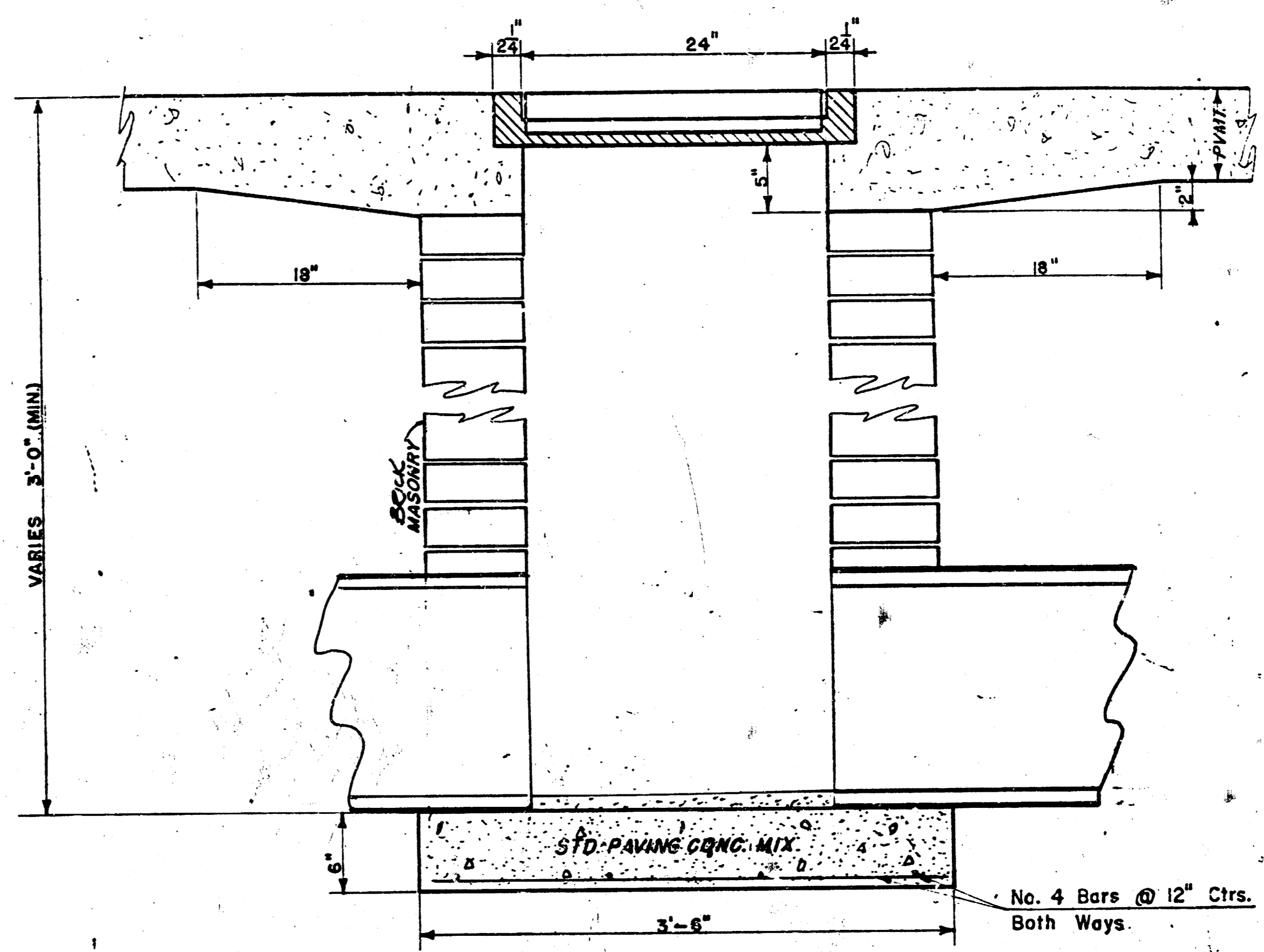
USE 2-No. 400 G (Grates)

#408F (Frame) WEIGHT = 460 LBS.

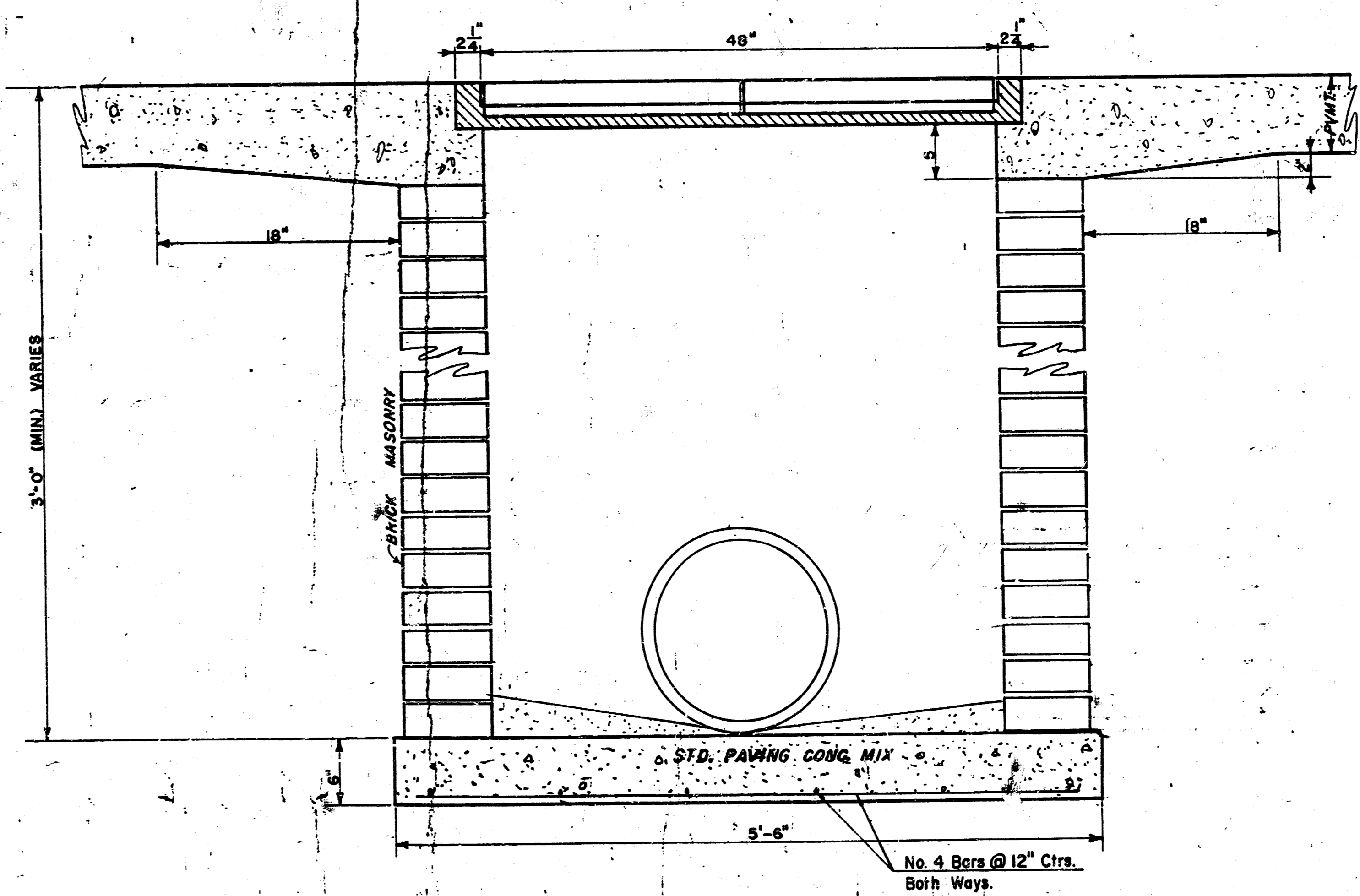
Double 24"x24" Frame Detail



No. 4 Bars @ 12" Ctrs.  
Both Ways.



No. 4 Bars @ 12" Ctrs.  
Both Ways.



No. 4 Bars @ 12" Ctrs.  
Both Ways.

**DROP INLET DETAILS**

M.E. Lindebak, City Engineer  
City of Wichita, Kansas  
Project SWS #259  
Project #468-76-245-91429-000-000-001  
Date: APRIL 1985  
Scale: 1-1/2" = 1'-0" 6/16