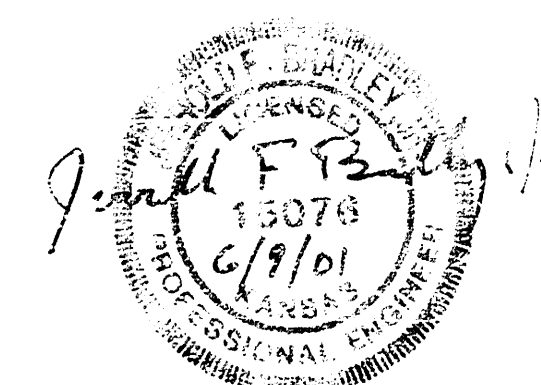


1416 2PP (007855)
806 PFW (007858)

[illegible]

As Built 8/01 KK



06/08/2001

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-3271 • 315 ELLIS • WICHITA, KANSAS 67211
F:\ENG\YORK\SWSC\YORDG - SOL

BENCHMARK:
 "C" Located on the Top of Curb West Side of Mead Ave. Adjacent to Common Lot Line Between Lots 1 & 2, Coleman Company Addition. Elev. 127.92 (City Datum)

Remove & Replace Fence As Necessary For Construction.

Sta. 0+66.3, End Line 1. Construct Standard 2'x4' Drop Inlet Per Detail. Hand Form 9" Apron w/ Curb Line. Install Sediment Barrier Per Detail This Sheet. Top = 123.20

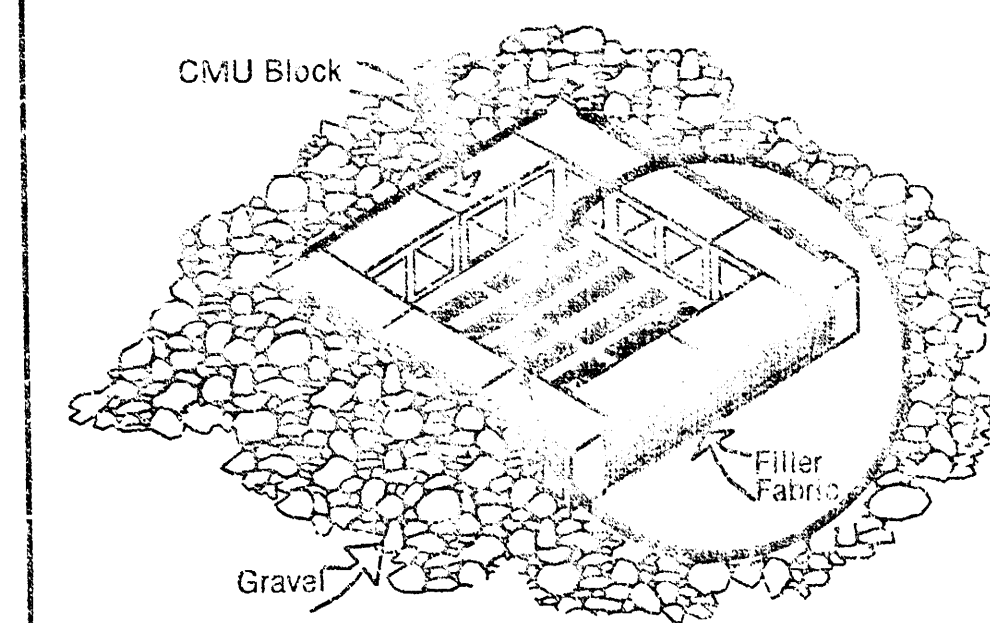
Remove & Replace Fence As Necessary For Construction.

Sta. 0+71.6, End Line 2. Construct Standard 2'x4' Drop Inlet Per Detail. Hand Form 9" Apron w/ Curb Line. Install Sediment Barrier Per Detail This Sheet. Top = 124.29

SCALE:
 1" = 20' HORIZONTAL
 1" = 5' VERTICAL
 • = IRON

Sta. 0+00, Begin Construction of Line 1 w/24" Concrete Head Wall With Nennon R-5050-SF Automatic Drainage Gate. Attach Gate to Concrete headwall Per Manufacturer's Specifications. Install 20 S.Y. of Heavy Stone Rip Rap Per City of Wichita Specifications. Flow = 120.00

Sta. 0+00, Begin Construction of Line 2 w/24" Concrete Head Wall With Nennon R-5050-SF Automatic Drainage Gate. Attach Gate to Concrete Headwall Per Manufacturer's Specifications. Install 20 S.Y. of Heavy Stone Rip Rap Per City of Wichita Specifications. Flow = 121.00



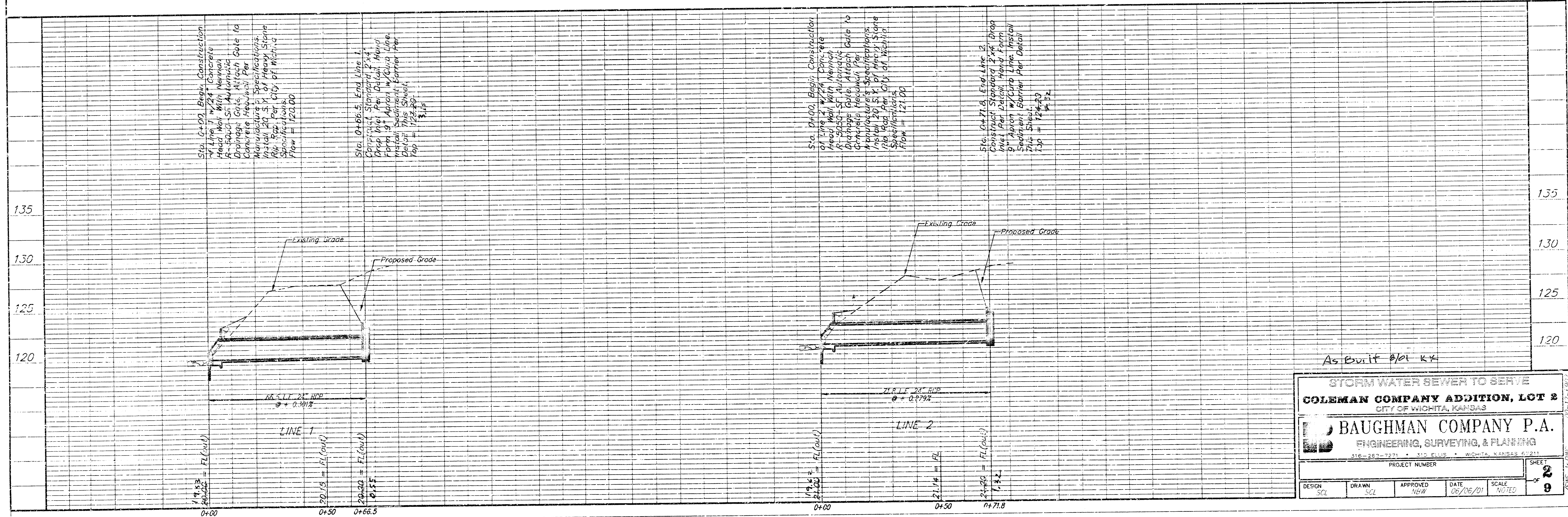
NOTES:
 Frequent maintenance is required to minimize short-circuiting and to remove sediment deposits and buildup.

Wrap filter fabric around all CMU block and backfill with 2"-3" gravel rock to allow sediment deposits.

DO NOT cover inlet or grate with filter fabric.

INLET PROTECTION

Storm Drain with Gravel Apron



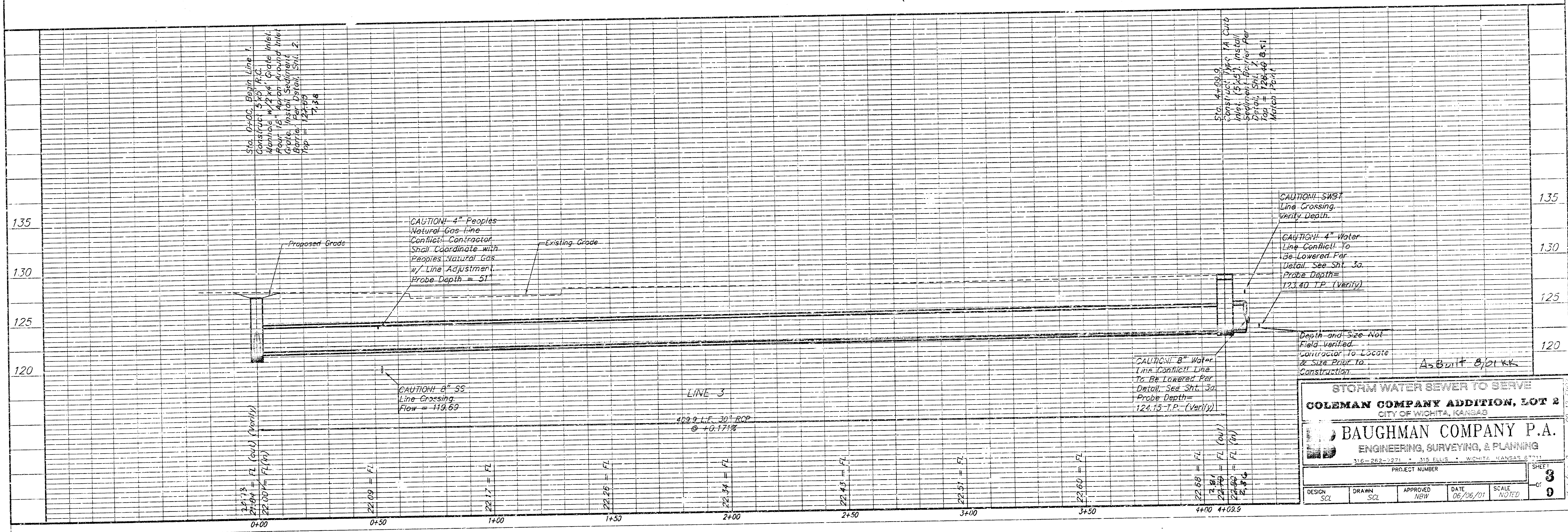
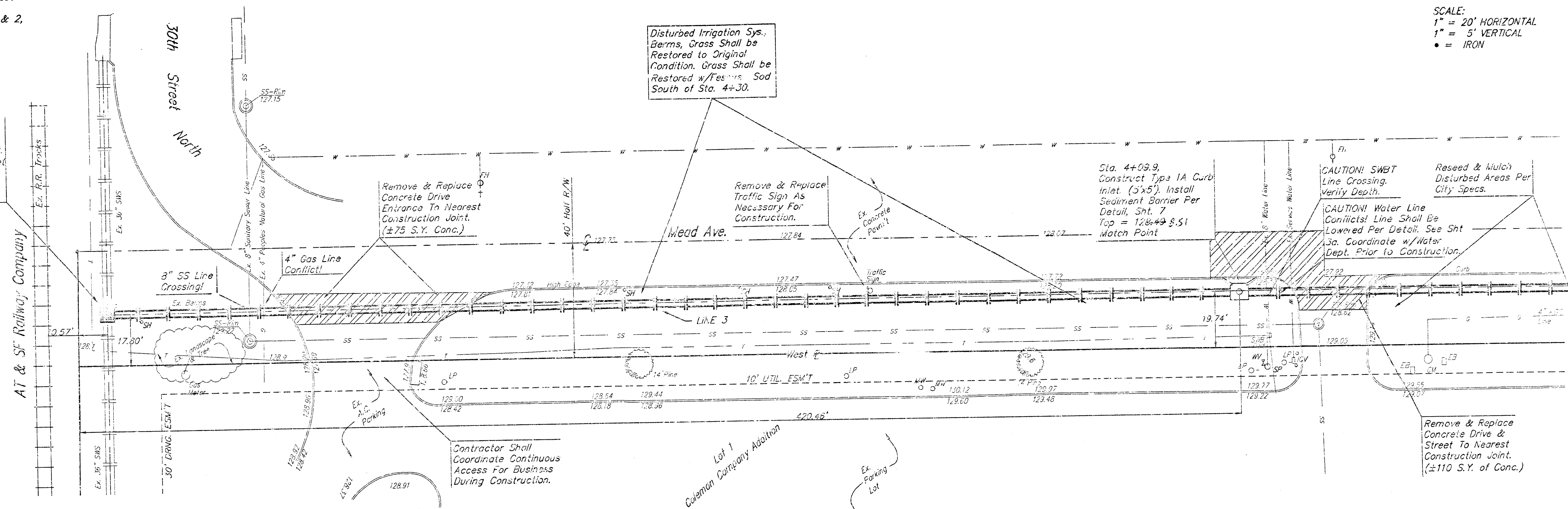
As Built 8/01 KK

STORM WATER SEWER TO SERVE					
COLEMAN COMPANY ADDITION, LOT 2					
CITY OF WICHITA, KANSAS					
BAUGHMAN COMPANY P.A.					
ENGINEERING, SURVEYING, & PLANNING					
316-267-7271 • 310 E. 15th • WICHITA, KANSAS 67211					
PROJECT NUMBER					
DESIGN	DRAWN	APPROVED	DATE	SCALE	SHEET
SCL	SCL	NW	06/06/01	NOTED	2 OF 9

BENCHMARK:
 "B" Located on the Top of Curb West Side of Mead Ave. Adjacent to Common Lot Line Between Lots 1 & 2, Coleman Company Addition. Elev. 127.52 (City Datum)

SCALE:
 1" = 20' HORIZONTAL
 1" = 5' VERTICAL
 • = IRON

Sta. 0+00, Begin Line 1.
 Construct 5x5' R.C. Manhole w/2x4' Grate Inlet. Four 18" Apron Around Inlet Grate. Install Sediment Barrier Per Detail, Sht. 2. Top = 127.60



STORM WATER SEWER TO SERVE COLEMAN COMPANY ADDITION, LOT 2
 CITY OF WICHITA, KANSAS

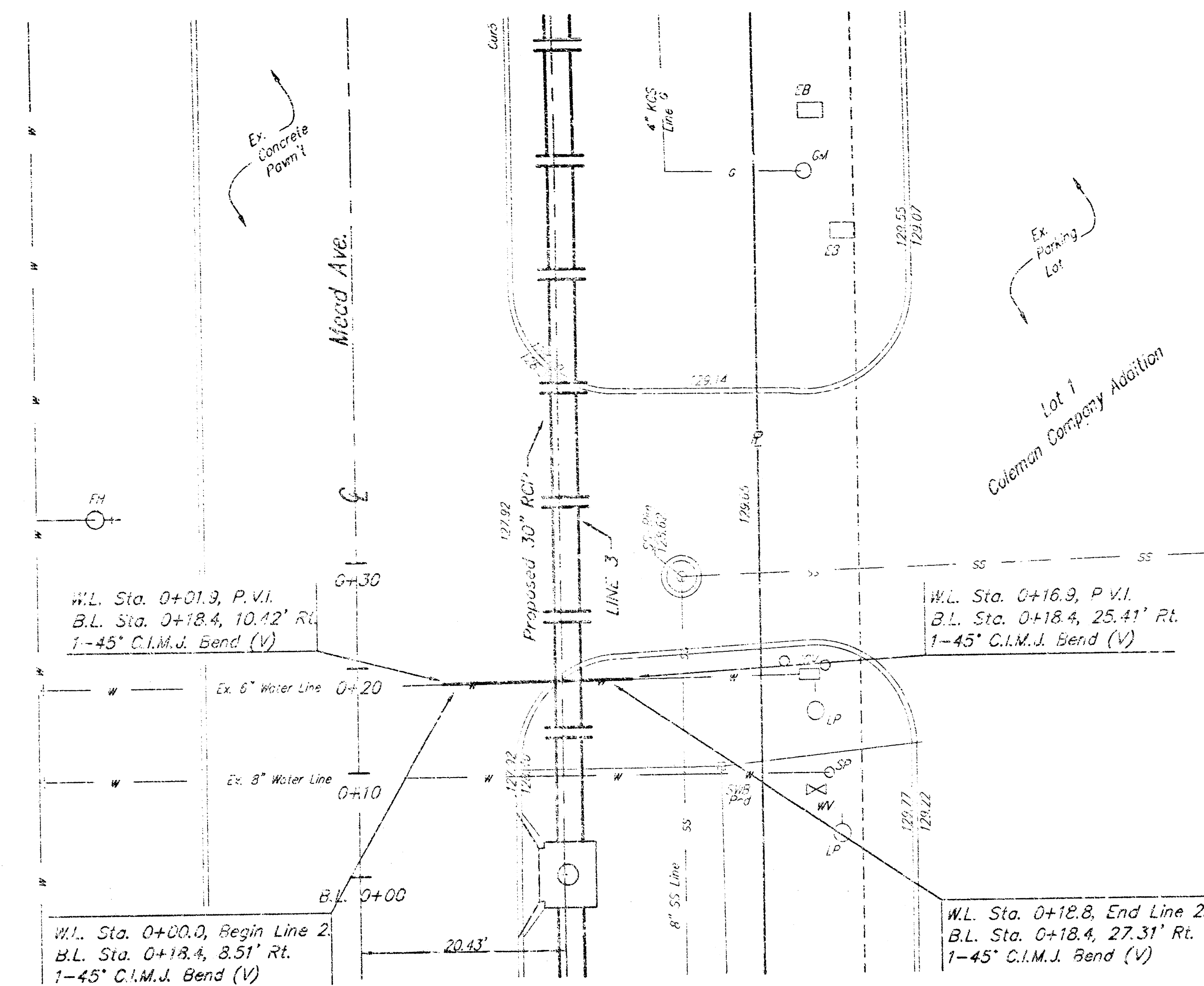
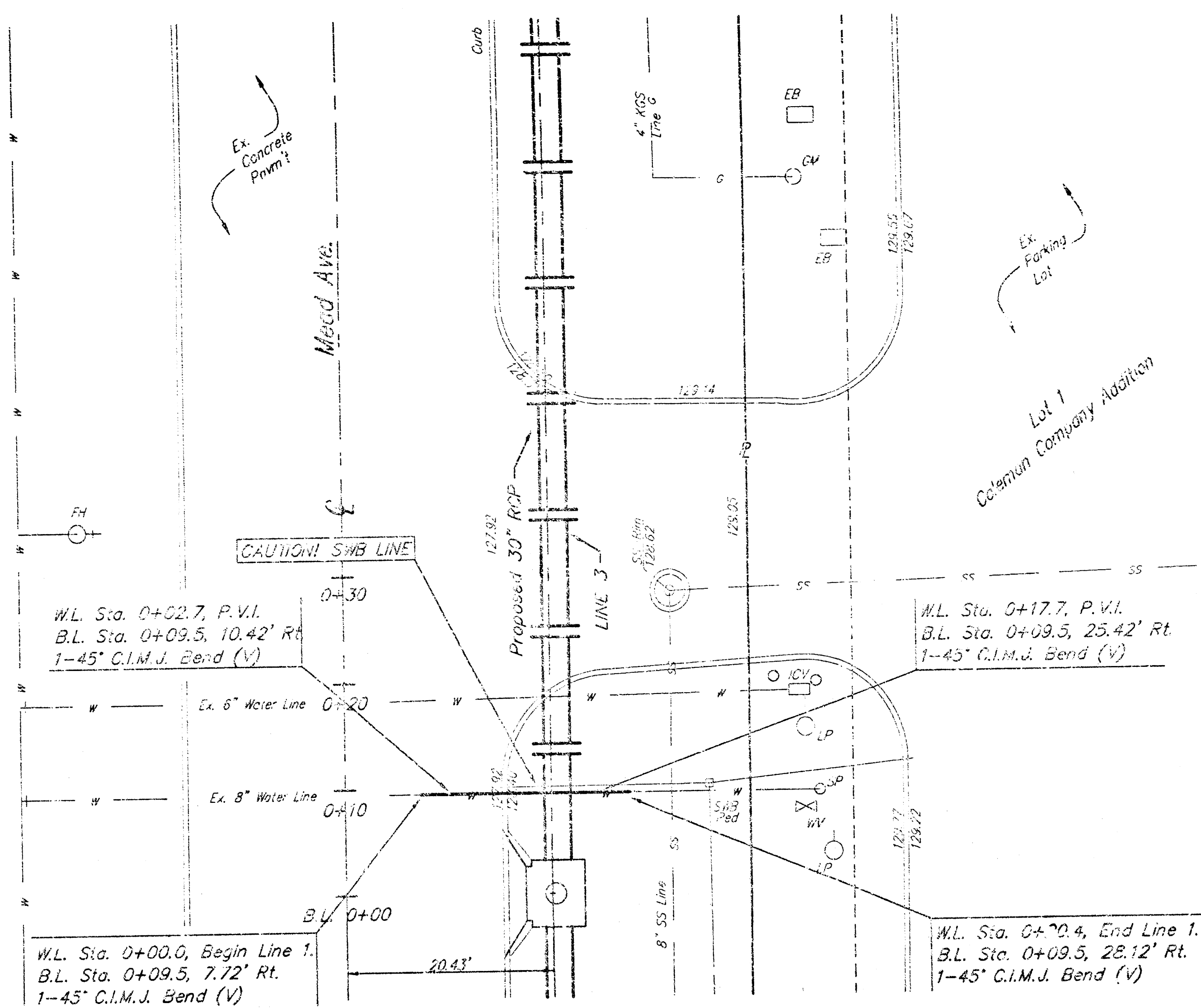
BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 316-263-1271 • 316 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER: _____

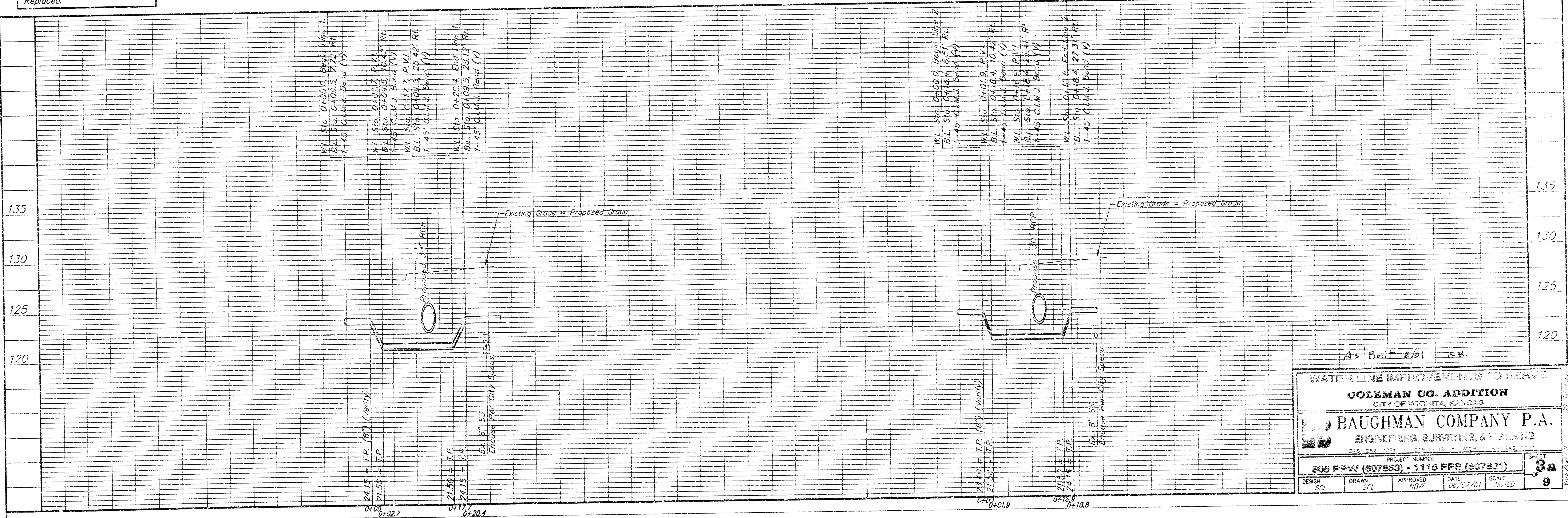
DESIGN: SCL	DRAWN: SCL	APPROVED: NEW	DATE: 06/06/01	SCALE: NOTED
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SHEET 3 OF 9

BENCHMARK:
 "C" Located on the Top of Curb West Side of Mead Ave. Adjacent to Common Lot Line Between Lots 1 & 2, Coleman Company Addition. Elev. 127.92 (City Datum)



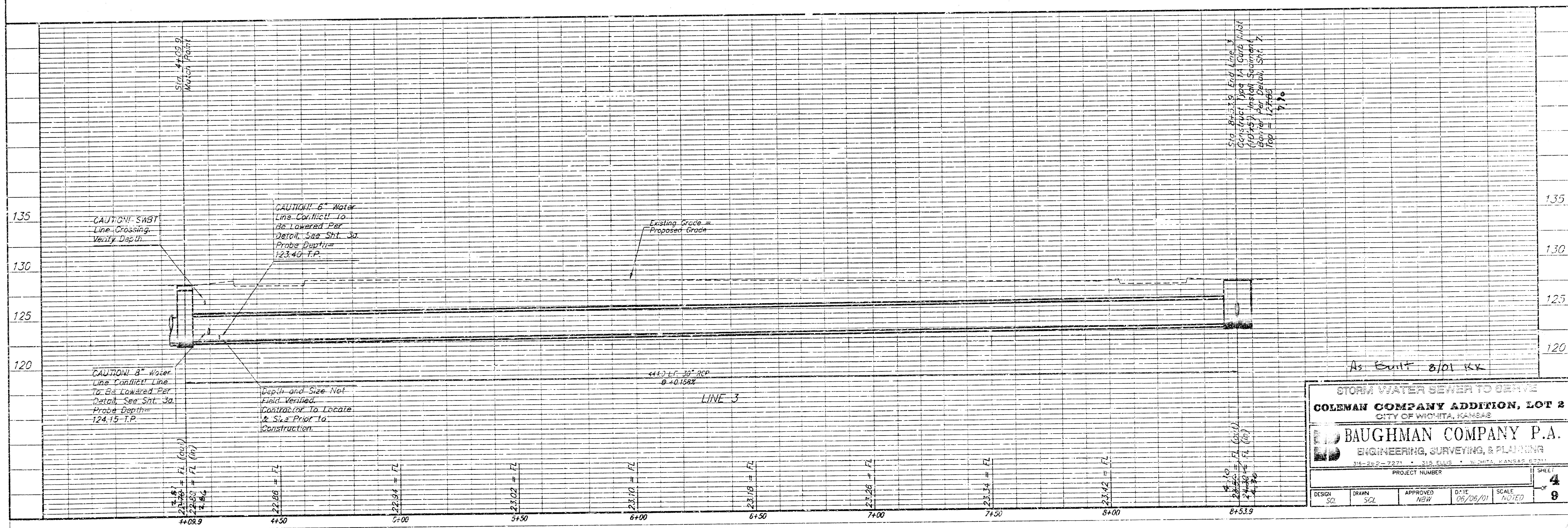
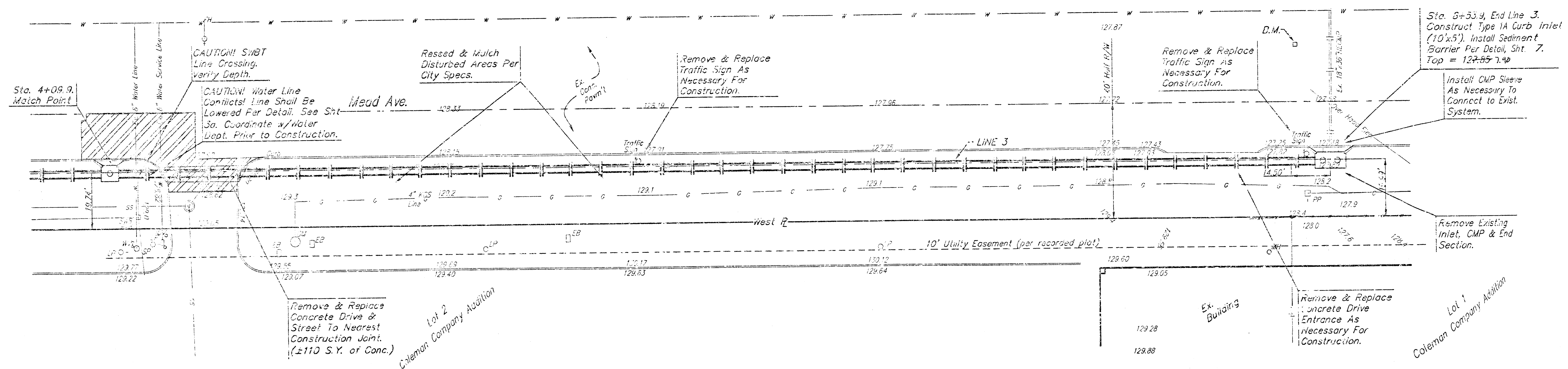
SCALE:
 1" = 10' HORIZONTAL
 1" = 5' VERTICAL
 • = ROW



WATER LINE IMPROVEMENTS TO SERVE			
COLEMAN CO. ADDITION			
CITY OF WICHITA, KANSAS			
BAUGHMAN COMPANY P.A.			
ENGINEERING, SURVEYING, & PLANNING			
PROJECT NUMBER			
805 PPW (607853) - 1115 PPS (607831)			
DESIGN	DRAWN	APPROVED	DATE
SC	SC	NSW	06/07/01
SCALE			NOTED
3/4"			9

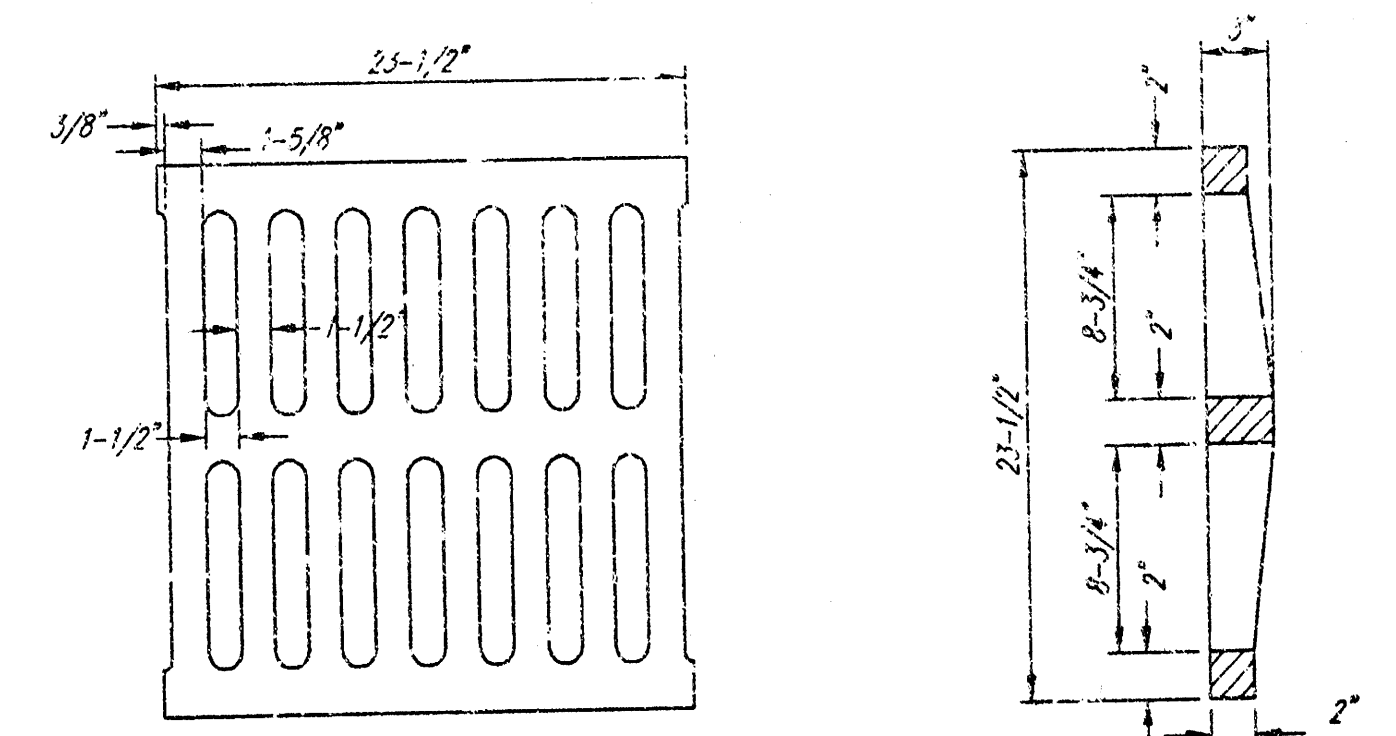
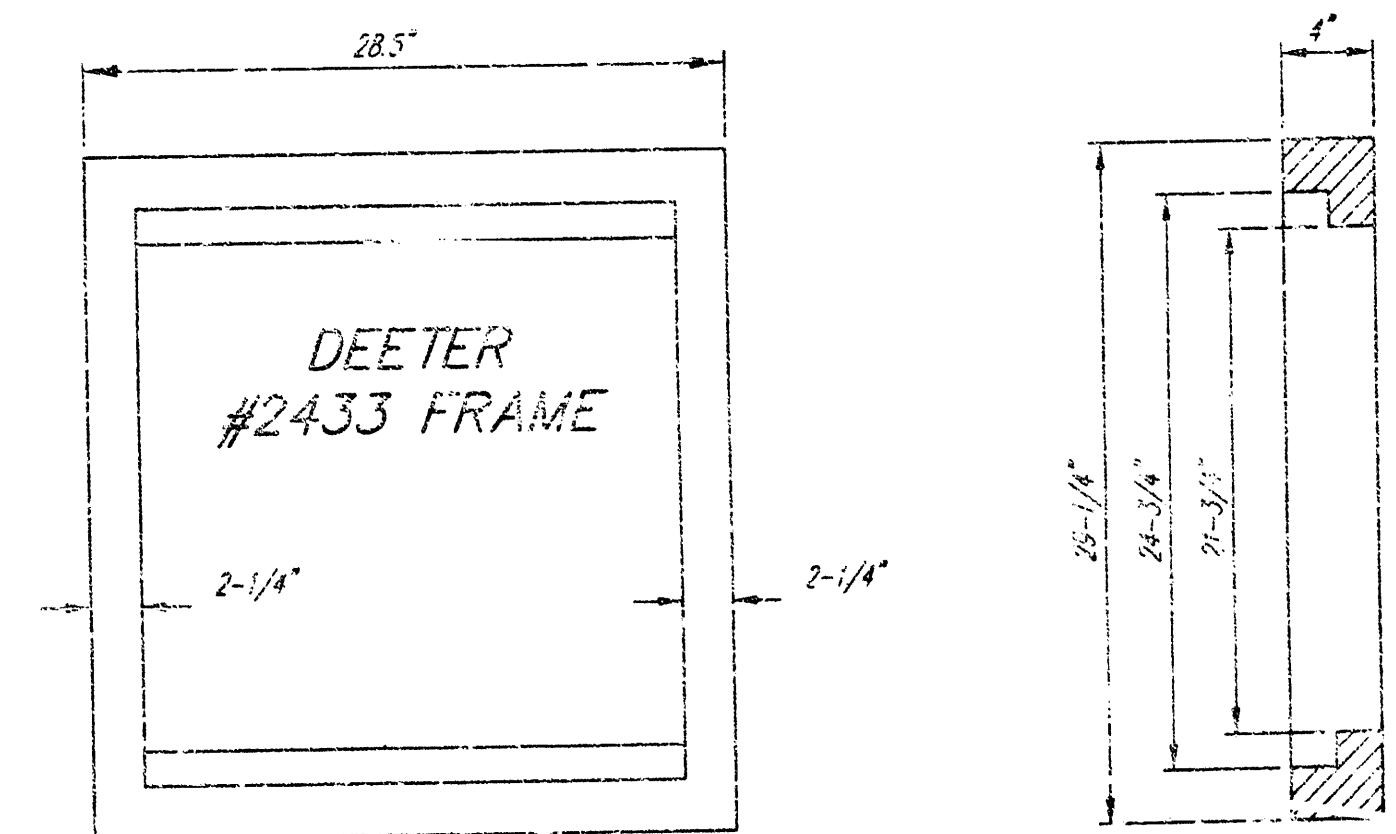
BENCHMARK:
 "1" Located on the Top of Curb West
 Side of Mead Ave. Adjacent to
 Common Lot Line Between Lots 1 & 2,
 Coleman Company Addition.
 Elev. 127.92 (City Datum)

SCALE:
 1" = 20' HORIZONTAL
 1" = 5' VERTICAL
 • = IRON



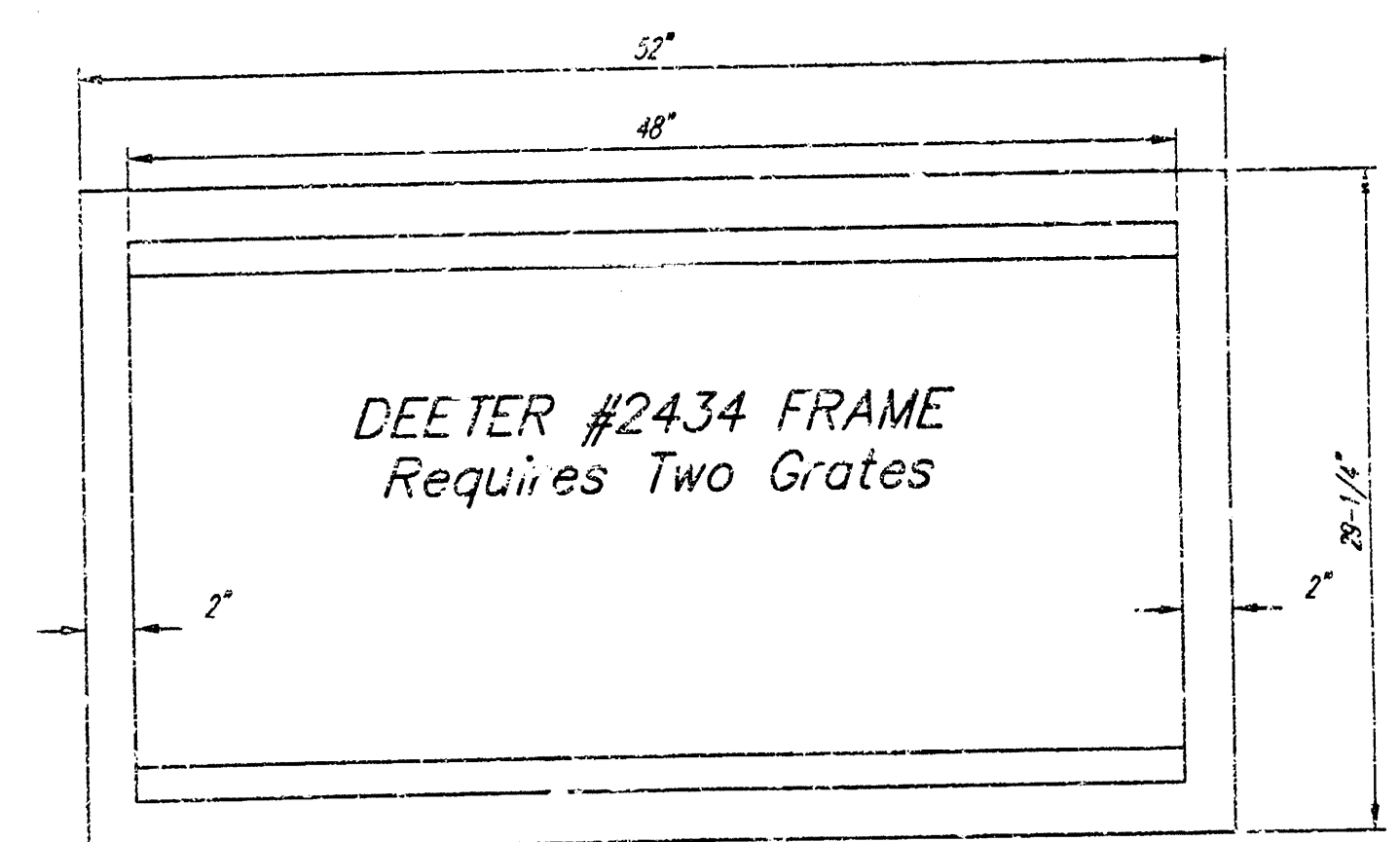
As. Built 8/01 KK

STORM WATER SEWER TO SERVE				
COLEMAN COMPANY ADDITION, LOT 2				
CITY OF WICHITA, KANSAS				
BAUGHMAN COMPANY P.A.				
ENGINEERING, SURVEYING, & PLANNING				
PROJECT NUMBER				
DESIGN	DRAWN	APPROVED	DATE	SCALE
SC	SQL	NGW	08/06/01	NOTED
SHEET				4
OF				9



DEETER #2433 GRATE

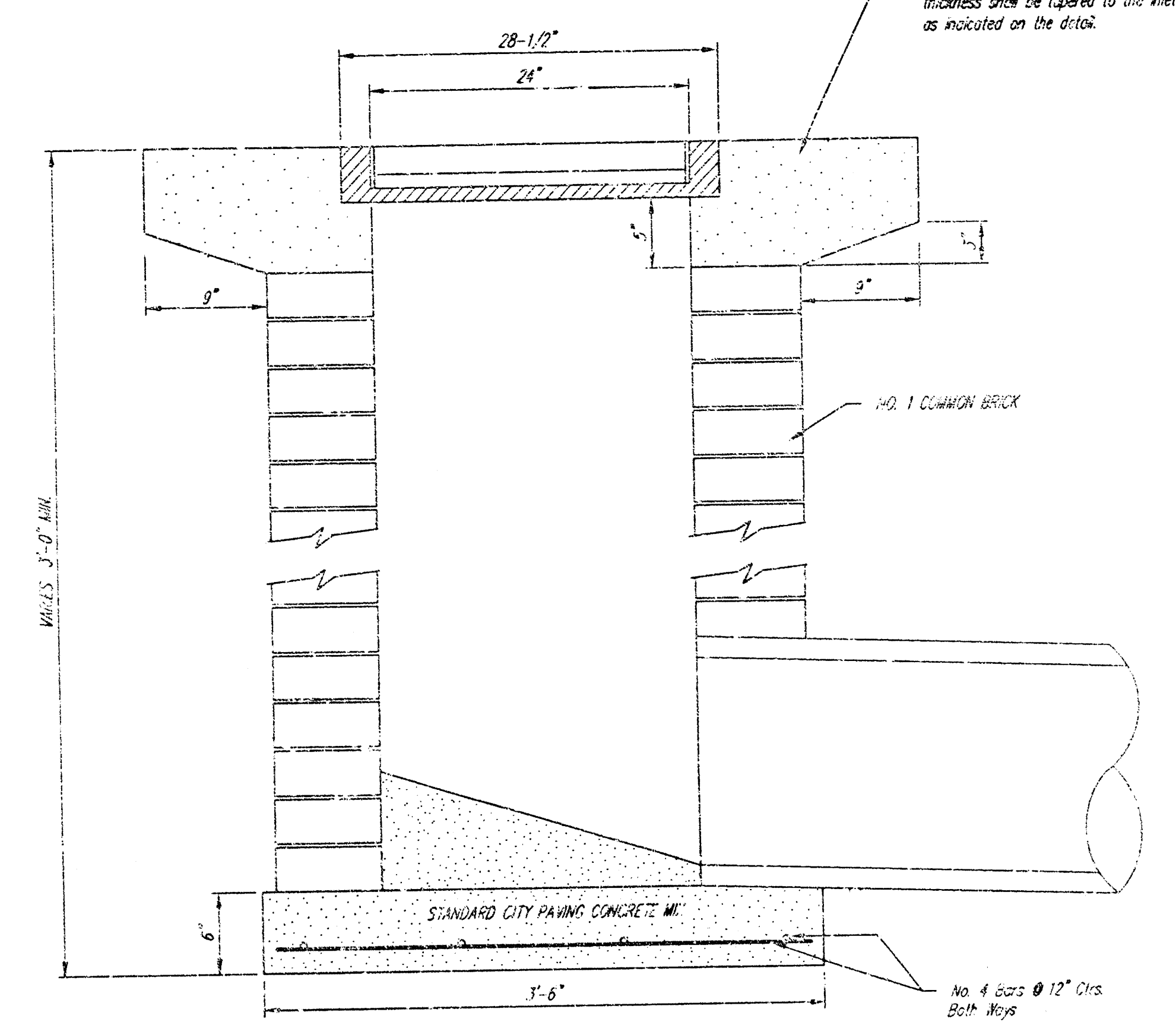
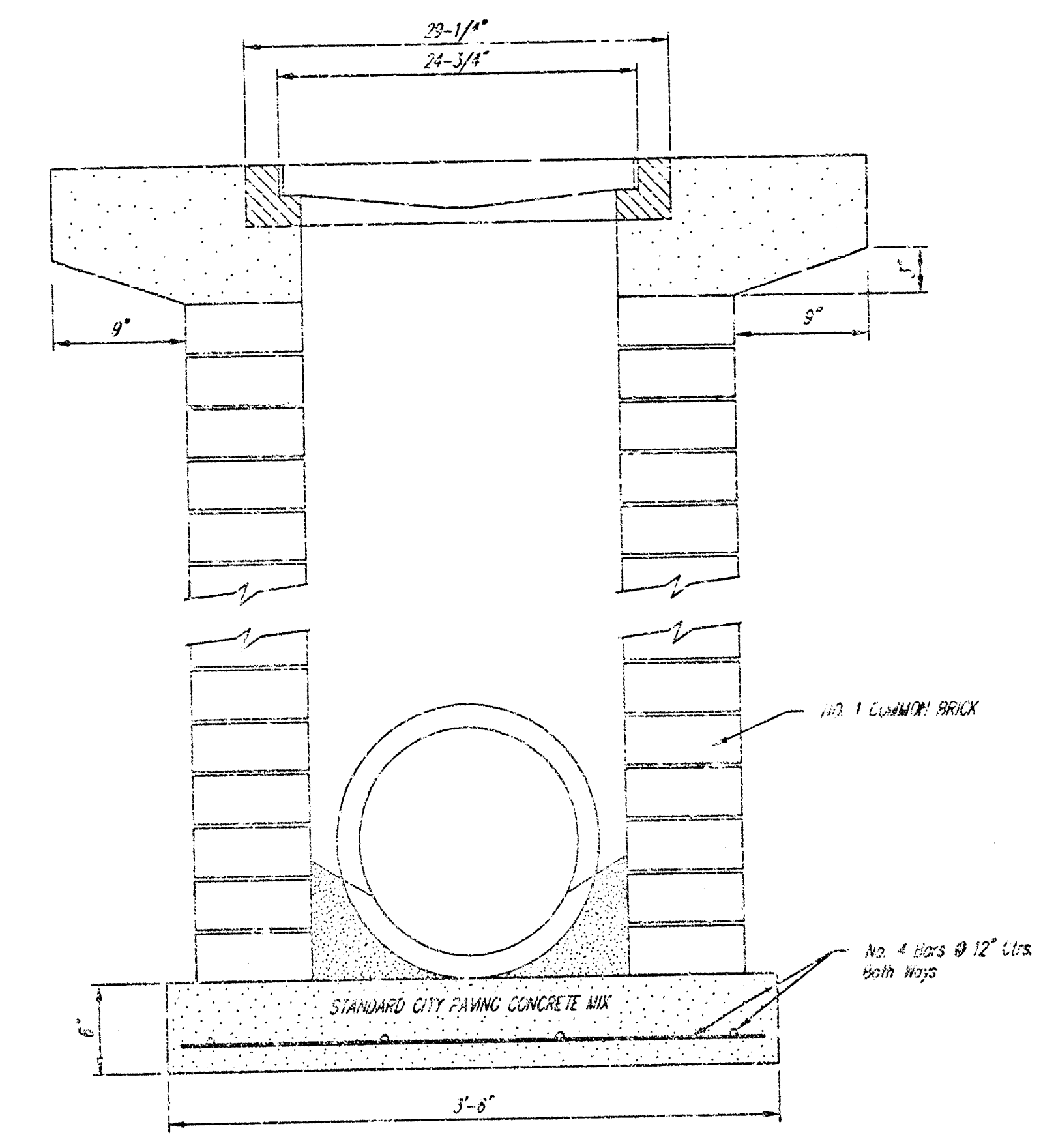
24" x 24" Frame and Grate Detail



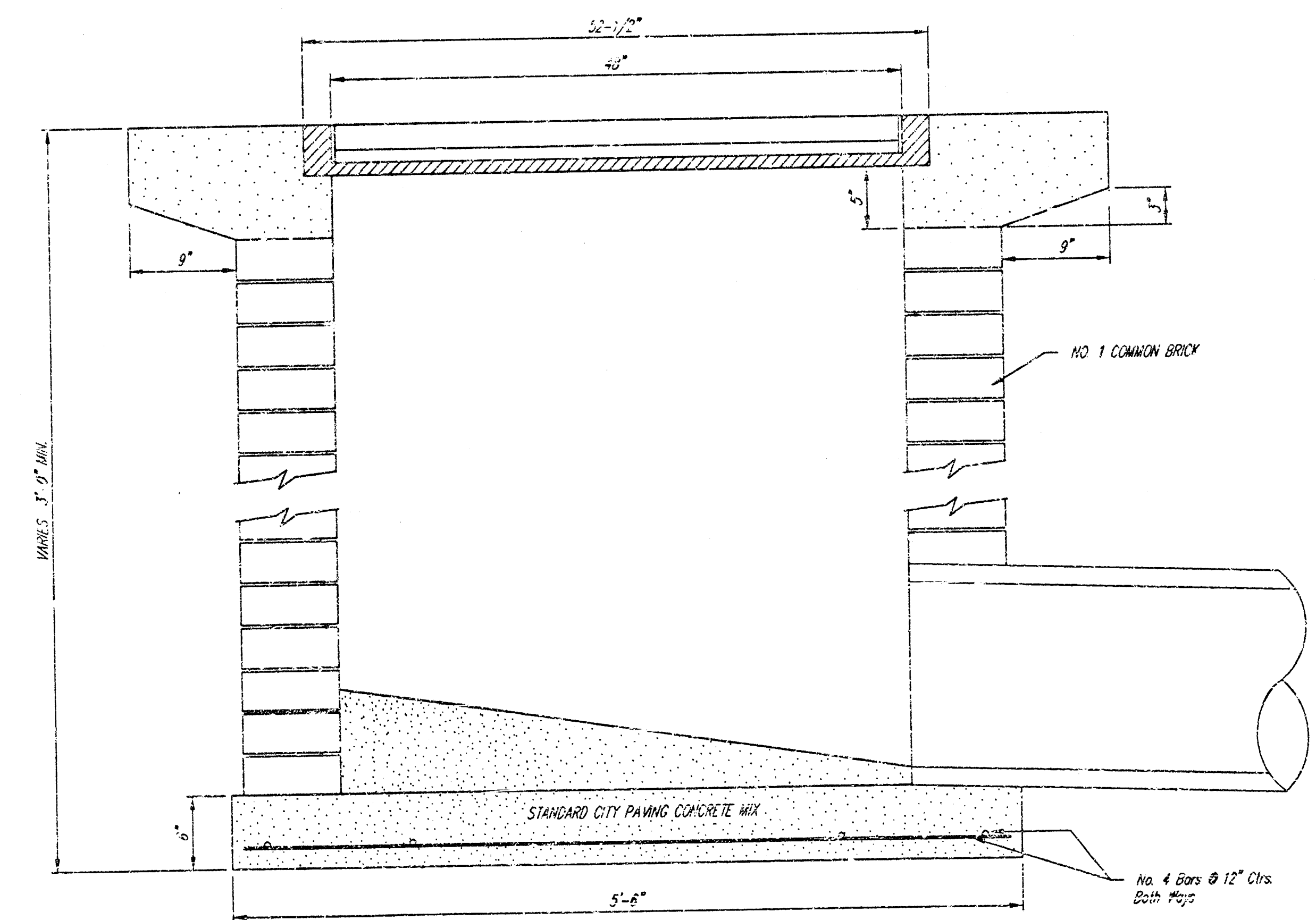
DEETER #2434 FRAME
Requires Two Grates

Double 24" x 24" Frame Detail

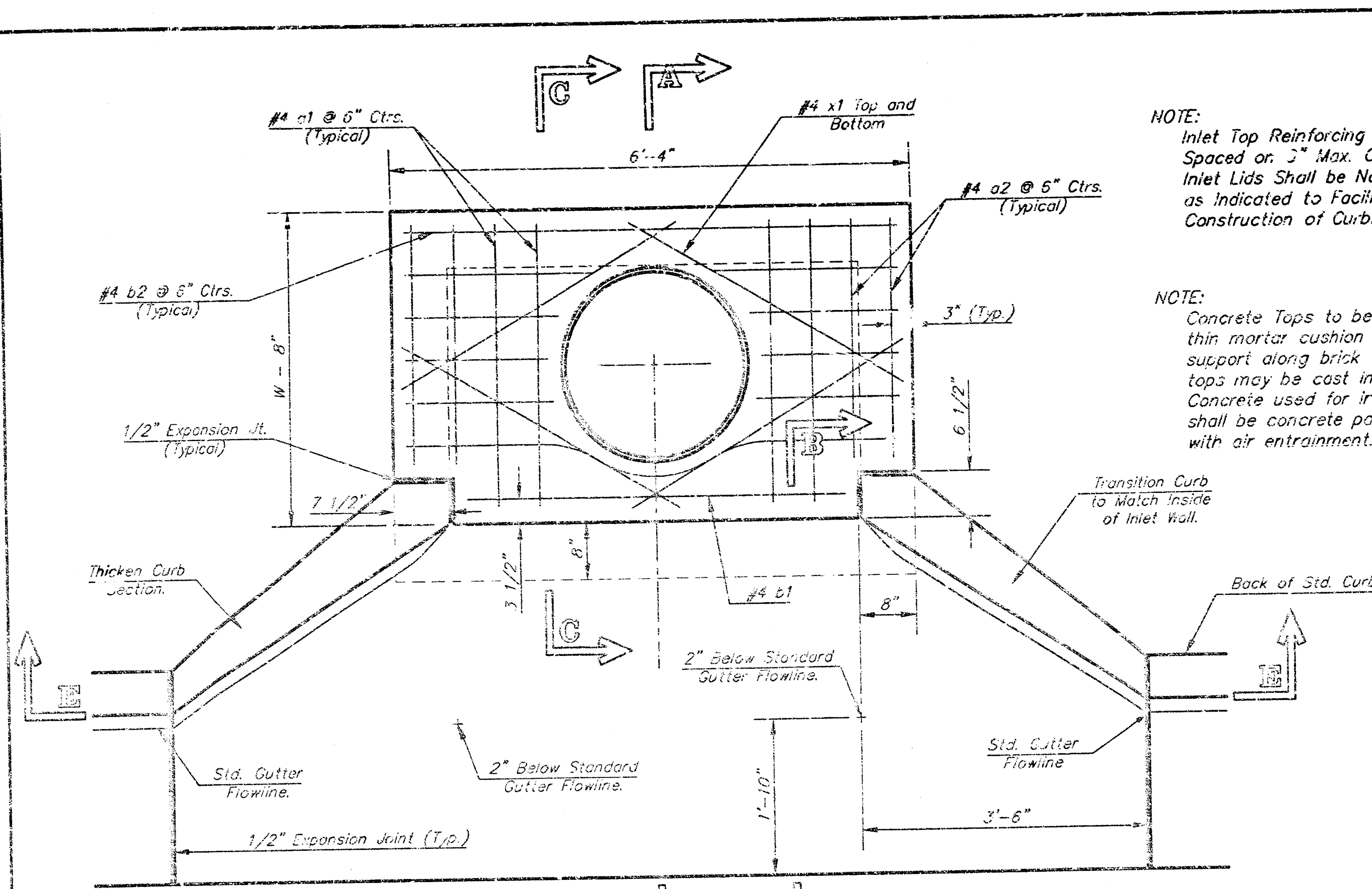
NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be approved by the engineer.



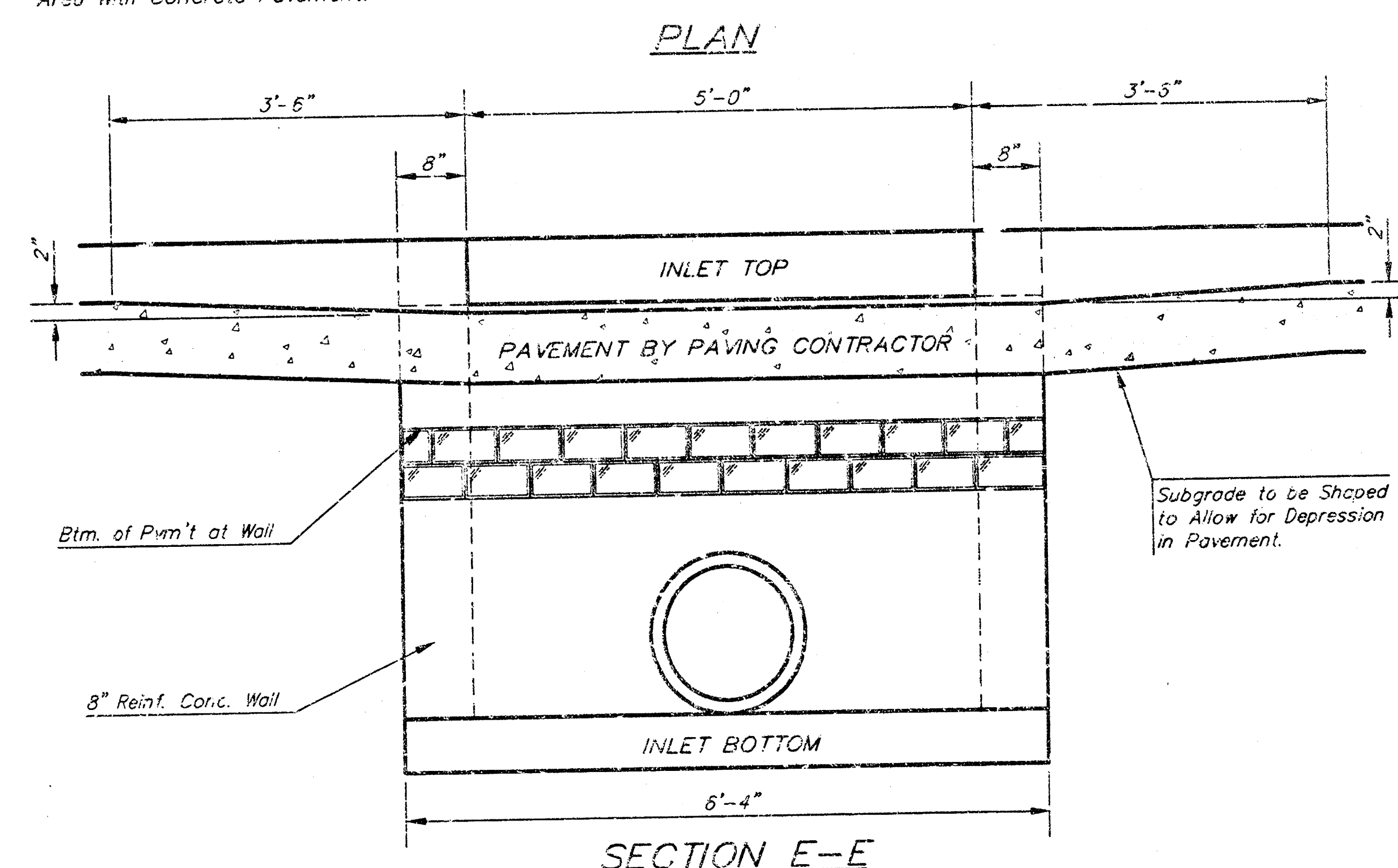
Note: Concrete apron shall be constructed around the inlet when inlet is located in an unspaced area. Where the inlet is adjacent to pavement, the pavement thickness shall be tapered to the inlet a 9 inches as indicated on the detail.



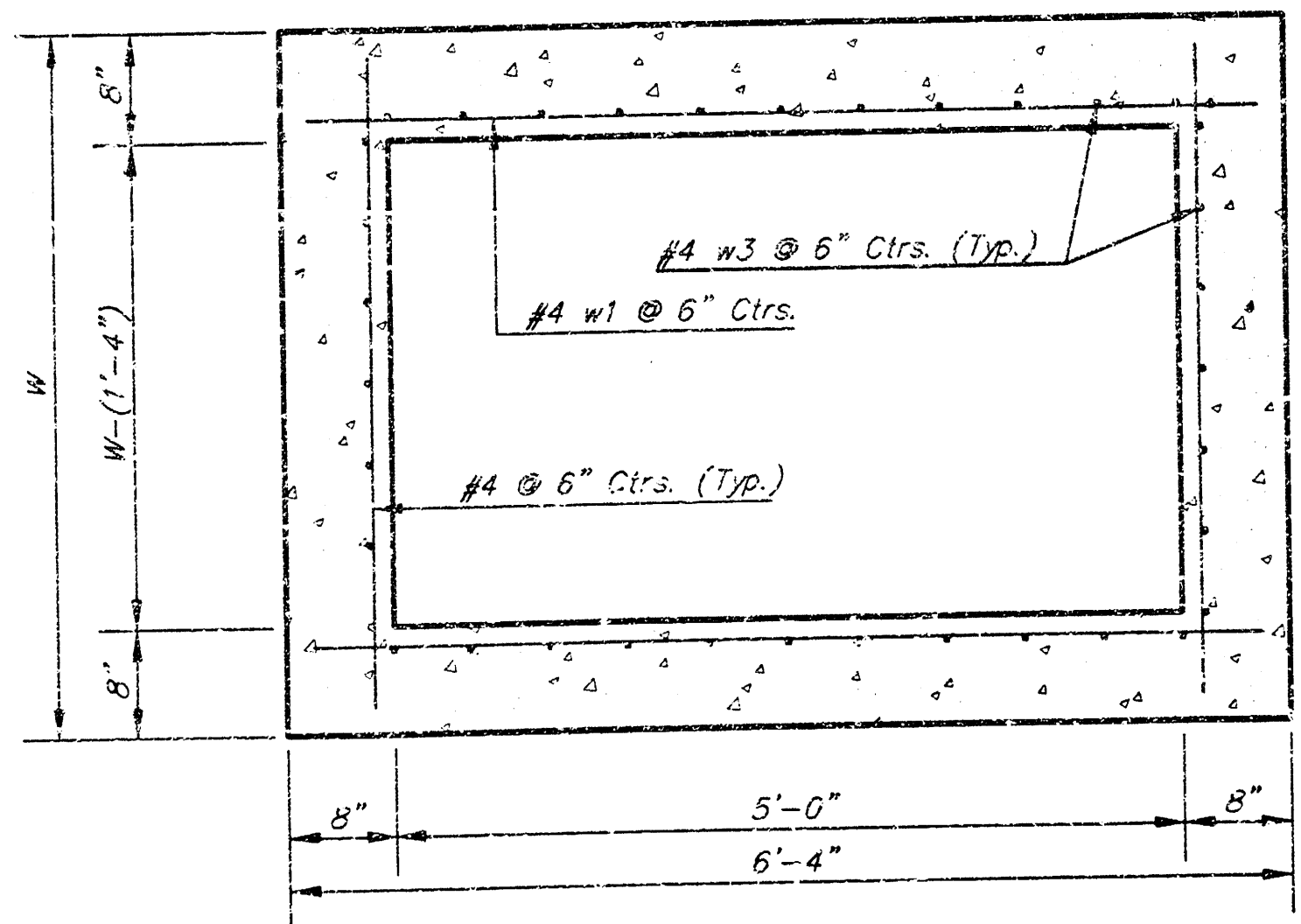
City of Wichita Standard					
Drop Inlet					
BAUGHMAN COMPANY P.A.					
ENGINEERING, SURVEYING, & PLANNING					
116-282-1201 • 215 E. 15th St. • WICHITA, KANSAS 67201					
PROJECT NUMBER				SHEET	
				5	
DESIGN				OF	
C.O.W.				9	
DRAWN	APPROVED	DATE	SCALE		
Staff			AS SHOWN		



NOTE: Expansion Joint Only in Curb Area With Concrete Pavement.



SECTION E-E



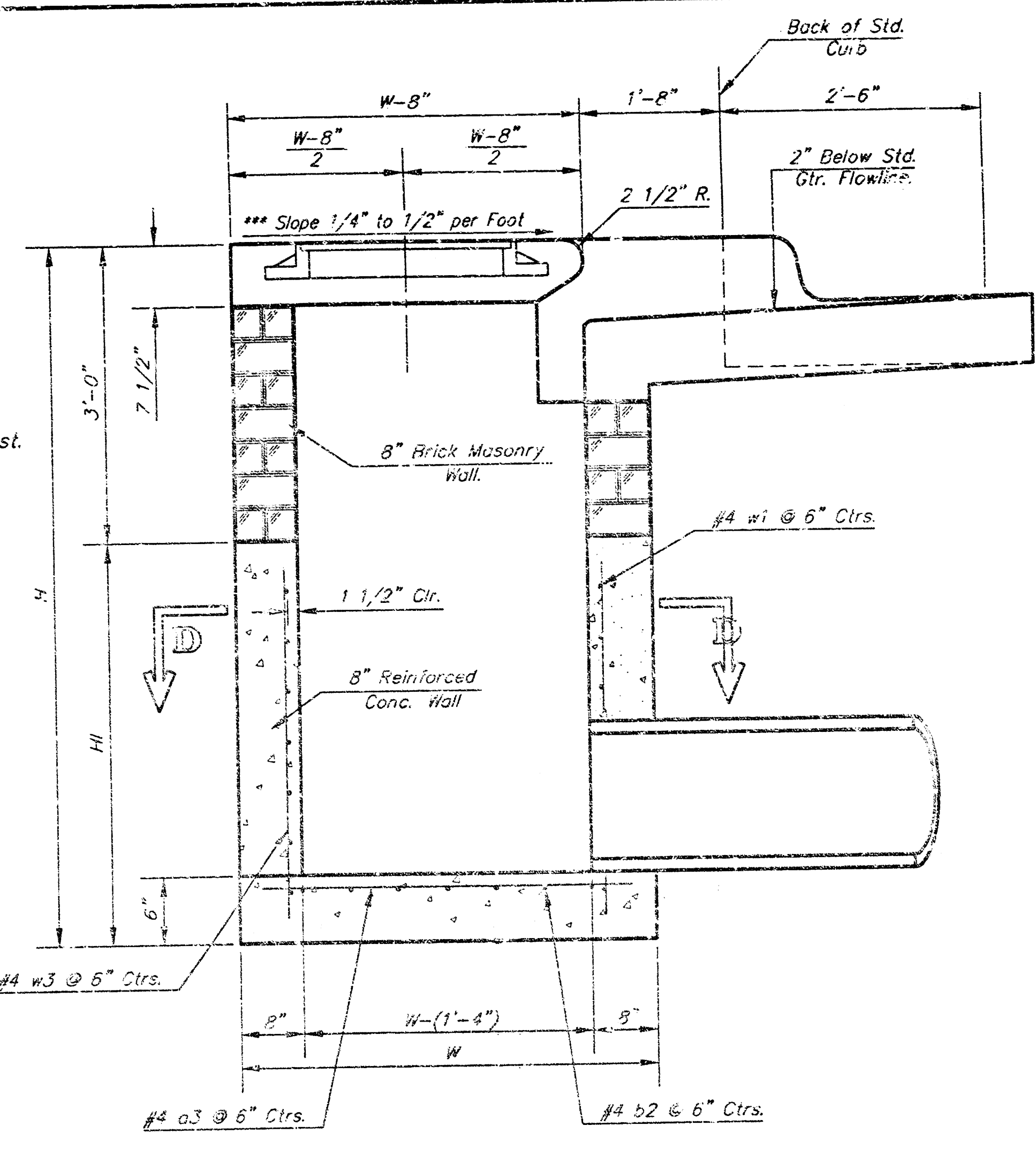
SECTION D-D

NOTE: Contractor shall have the option of constructing 8" brick masonry walls between the concrete inlet base and top on this inlet when W=6'-4" and H=7'-0" or less.

Additional curb and gutter construction necessary to connect set-back inlet to pavement will be paid for at the unit price bid for each inlet hookup.

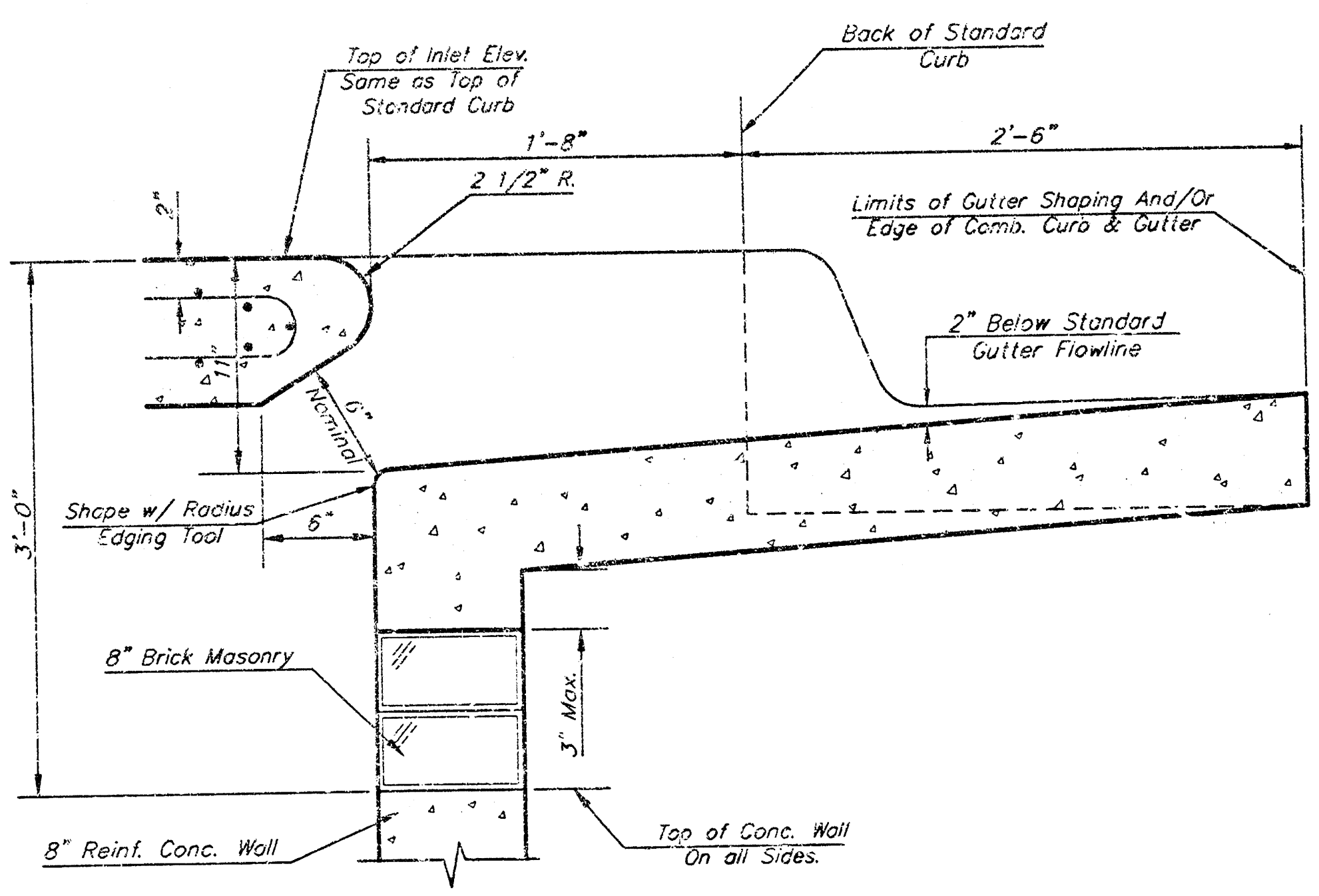
Inlet invert shall be shaped with 8 sack sand mix concrete to create flow channels and to increase hydraulic efficiency such that the inlet will be self-cleaning between all inlet and/or outlet pipes.

The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall.



SECTION A-A

***NOTE: Slope of Inlet tops to Match Sidewalk or Parking Slopes within Limits Indicated.

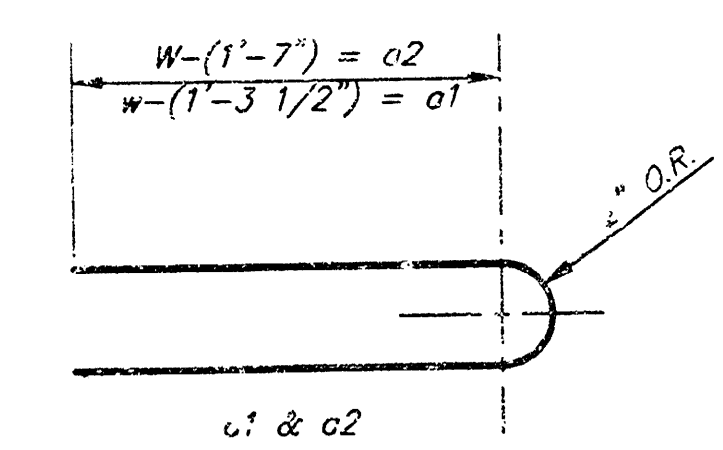


SECTION B-B

PRECAST SLAB AND FLOOR REINFORCING														
W = 4'-4"			W = 5'-4"			W = 6'-4"			W = 7'-4"			W = 8'-4"		
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	
a1	#4	6	6'-7"	6	8'-5"	6	10'-7"	6	12'-7"	6	14'-2"			
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"			
a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"	13	8'-1"			
a4	#4	1	4'-5"	1	4'-5"	1	4'-0"	1	4'-0"	1	4'-6"			
a5	#4	23	6'-1"	29	6'-1"	35	6'-1"	41	6'-1"	47	6'-1"			
x1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"	8	5'-2"			

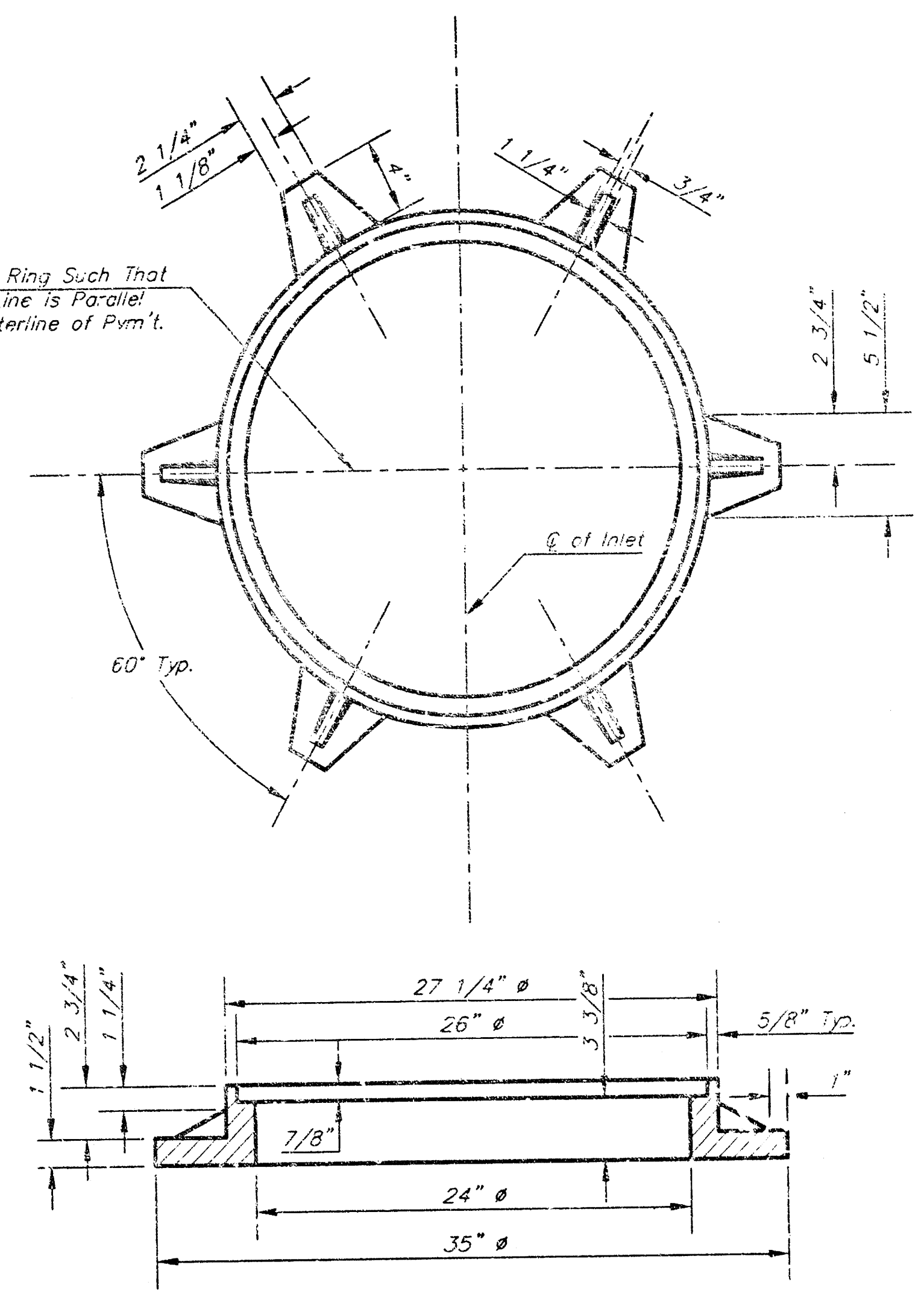
WALL REINFORCING														
W = 4'-4"			W = 5'-4"			W = 6'-4"			W = 7'-4"			W = 8'-4"		
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	
w1	#4	①	6'-1"	①	5'-1"	①	8'-1"	①	6'-1"	①	6'-1"	①	6'-1"	
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"	①	8'-1"	
w3	#4	32	②	36	②	40	②	44	②	48	②	48	②	

* Field Bend or Cut Reinforcing as Required for Clearance.
 ① 4 (H - 12") (H - 21") Rounded down to nearest 0.5"
 ② H - 3"



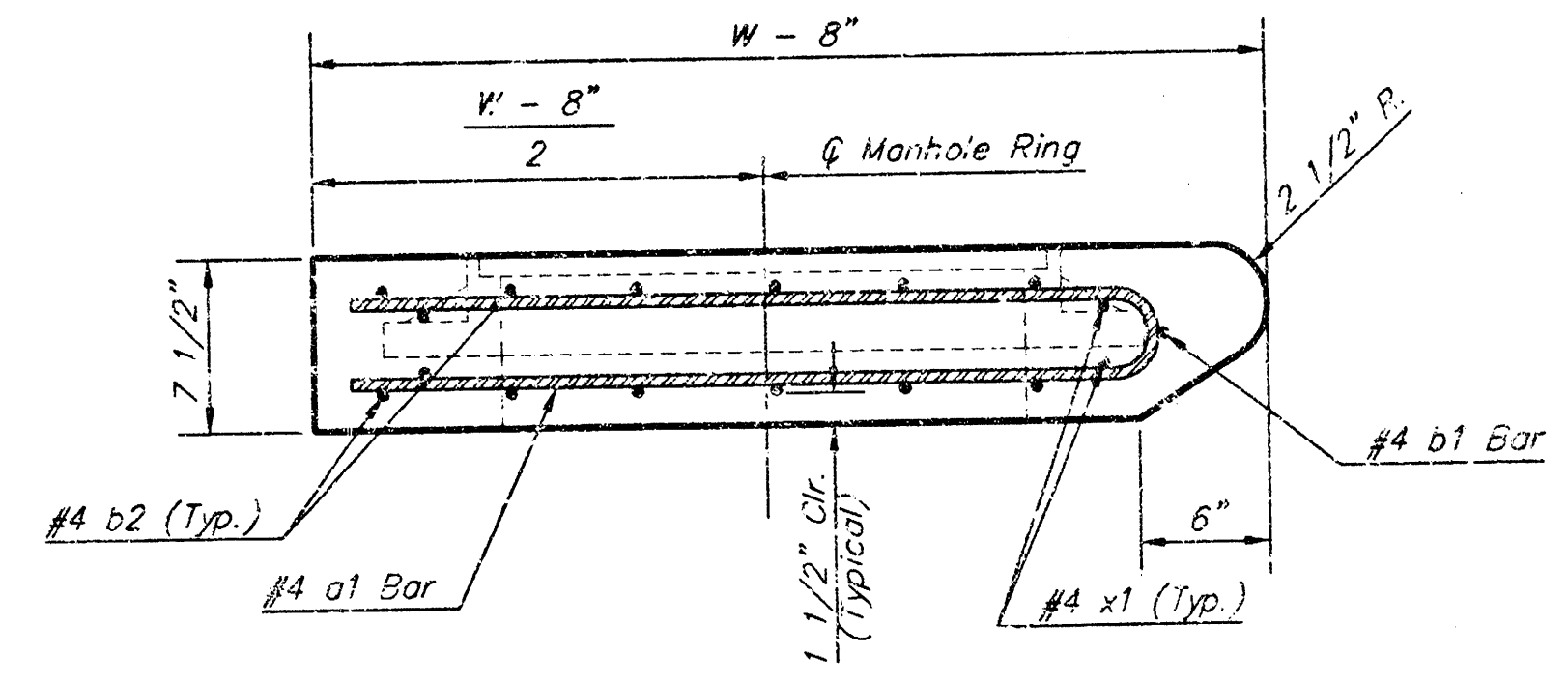
BENDING DIAGRAM

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8" x 6'-4" x 7 1/2"	21" & SMALLER	0.362
5'-4"	4'-8" x 6'-4" x 7 1/2"	24" & 30"	0.512
6'-4"	5'-8" x 6'-4" x 7 1/2"	36" & 42"	0.664
7'-4"	6'-8" x 6'-4" x 7 1/2"	48" & 54"	0.772
8'-4"	7'-8" x 6'-4" x 7 1/2"	50" & 66"	0.902



MANHOLE RING AND COVER

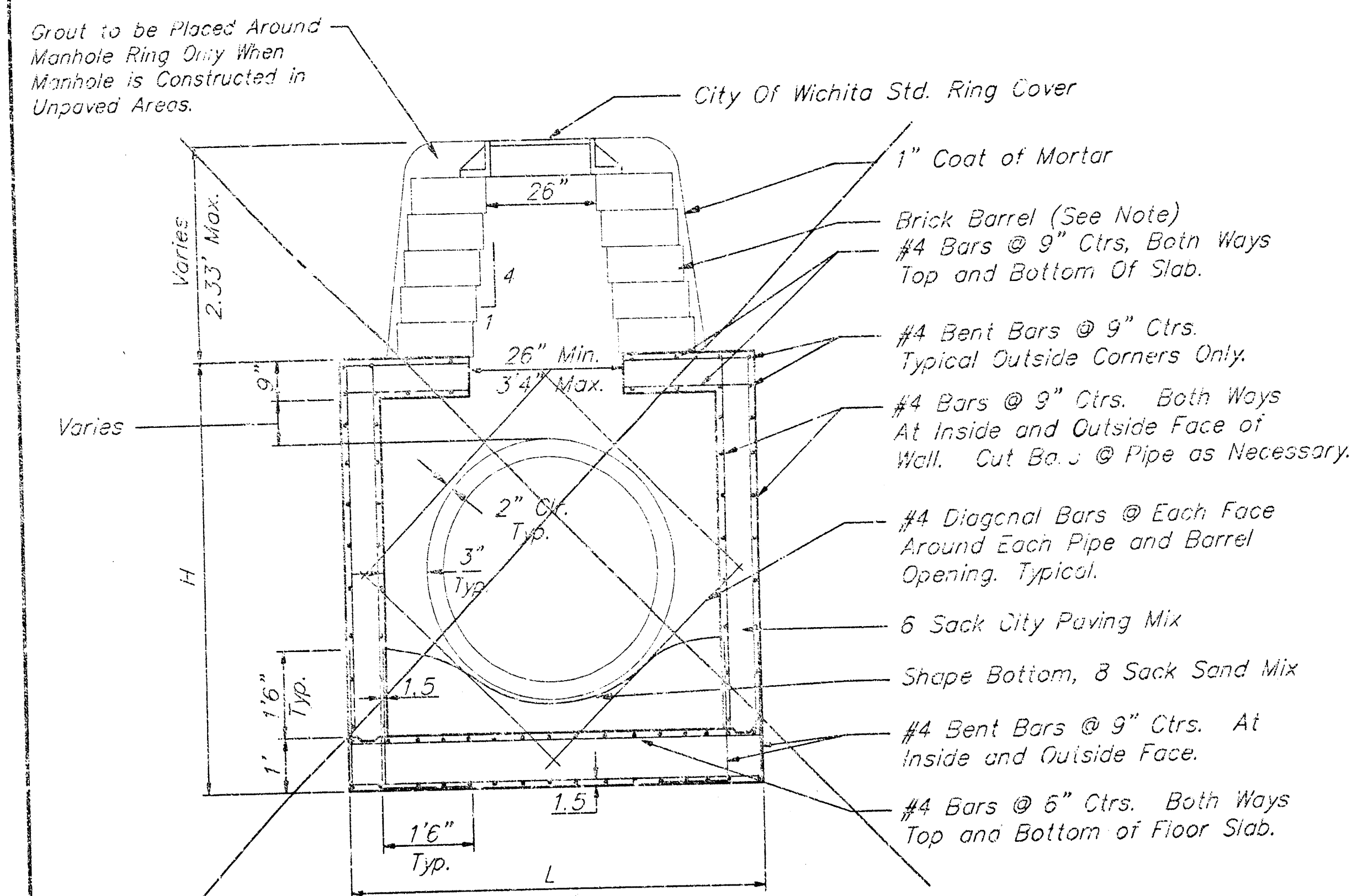
Weight = 180 Lbs.
 *See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.



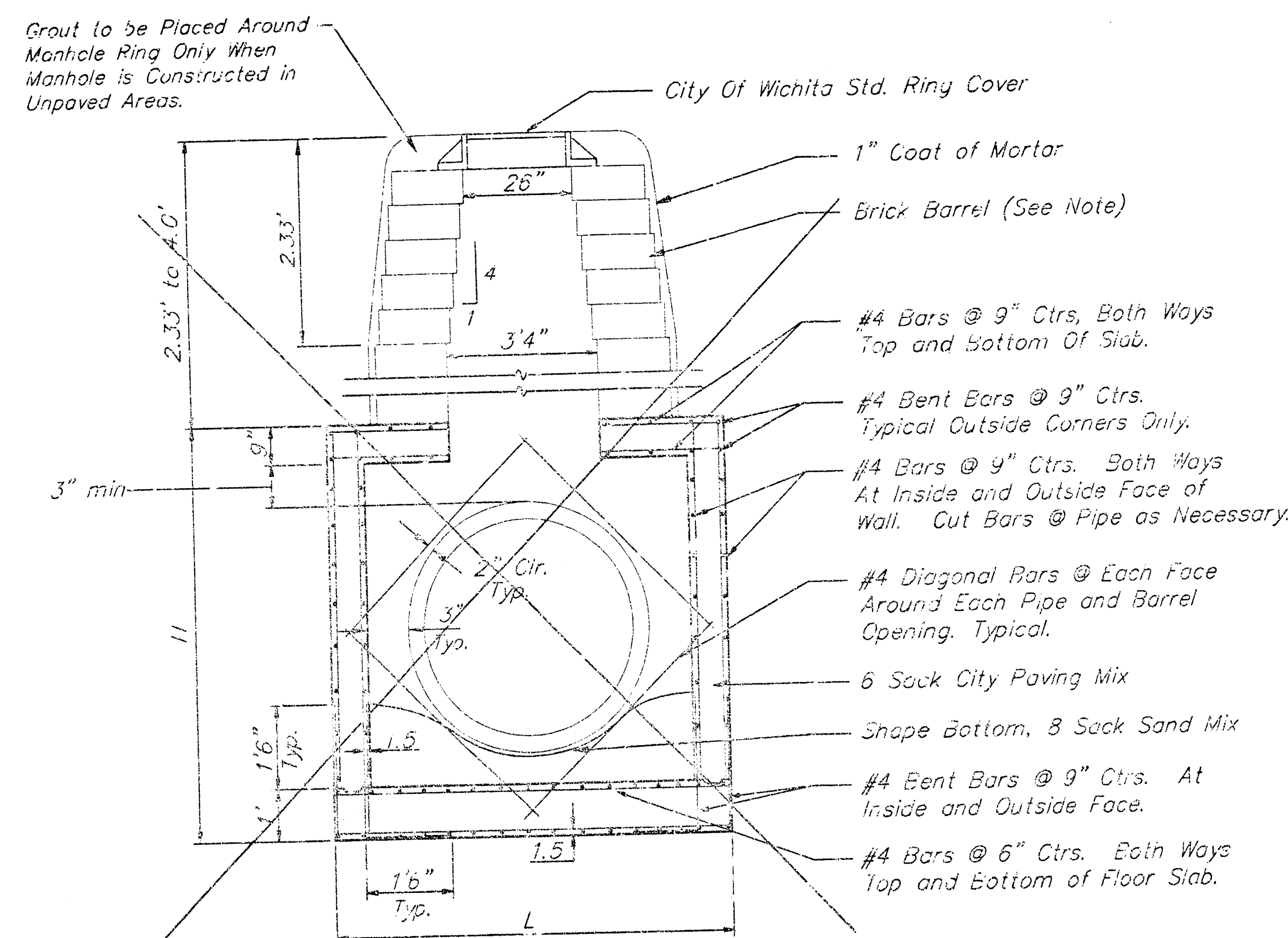
SECTION C-C

CITY OF WICHITA STANDARD TYPE 1A
Curb Inlet Details
 INLET OPENING = 8" X 8" X 3"
BAUGHMAN COMPANY P.A.
 ENGINEERING, SURVEYING, & PLANNING
 316-222-7221 • 316-222-7222 • WICHITA, KANSAS 67201
 PROJECT NUMBER _____ SHEET 8 OF 9
 DESIGN: C.O.W. DRAWN: Staff APPROVED: DATE: SCALE: None

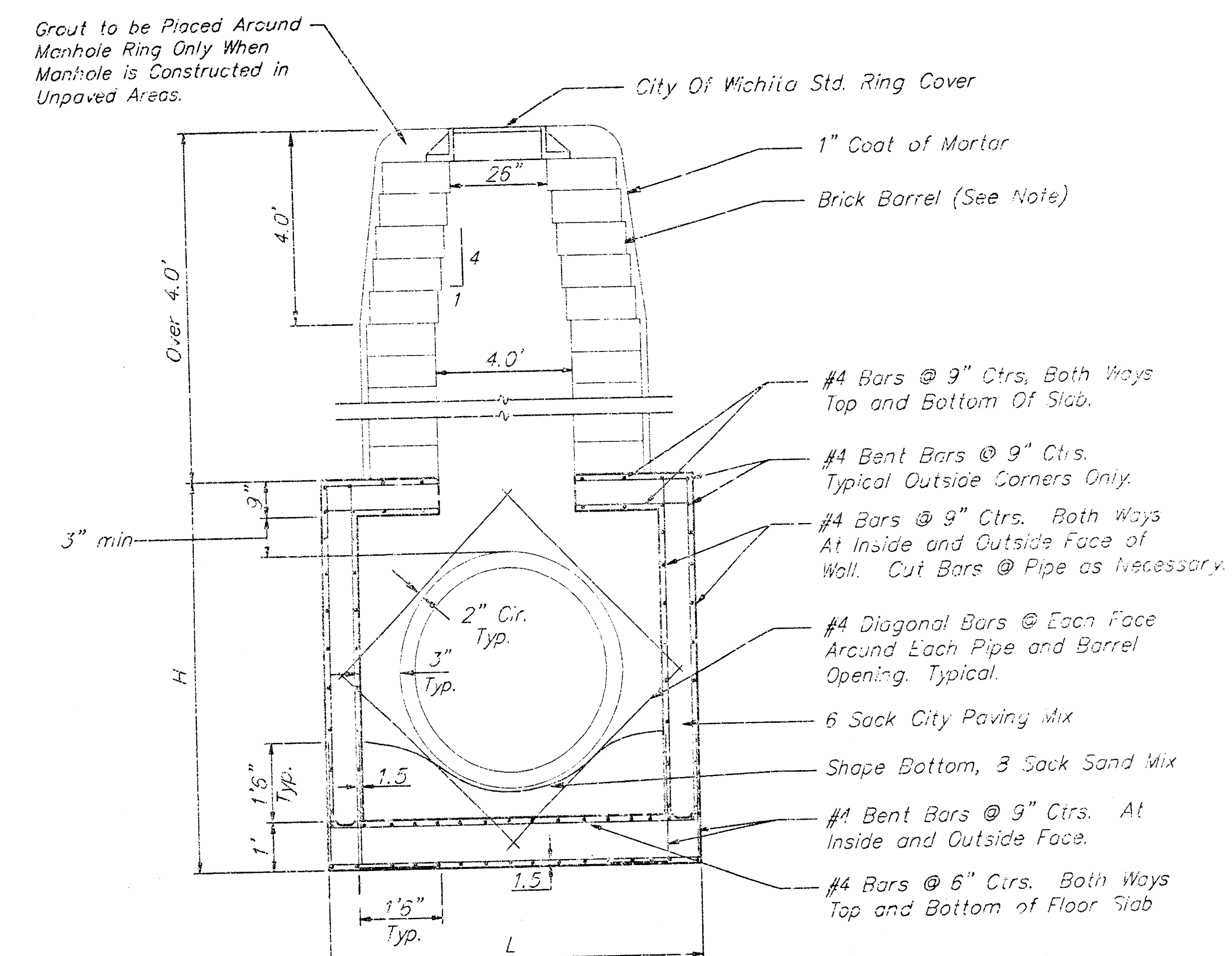
Revised - Feb. 16, 1989



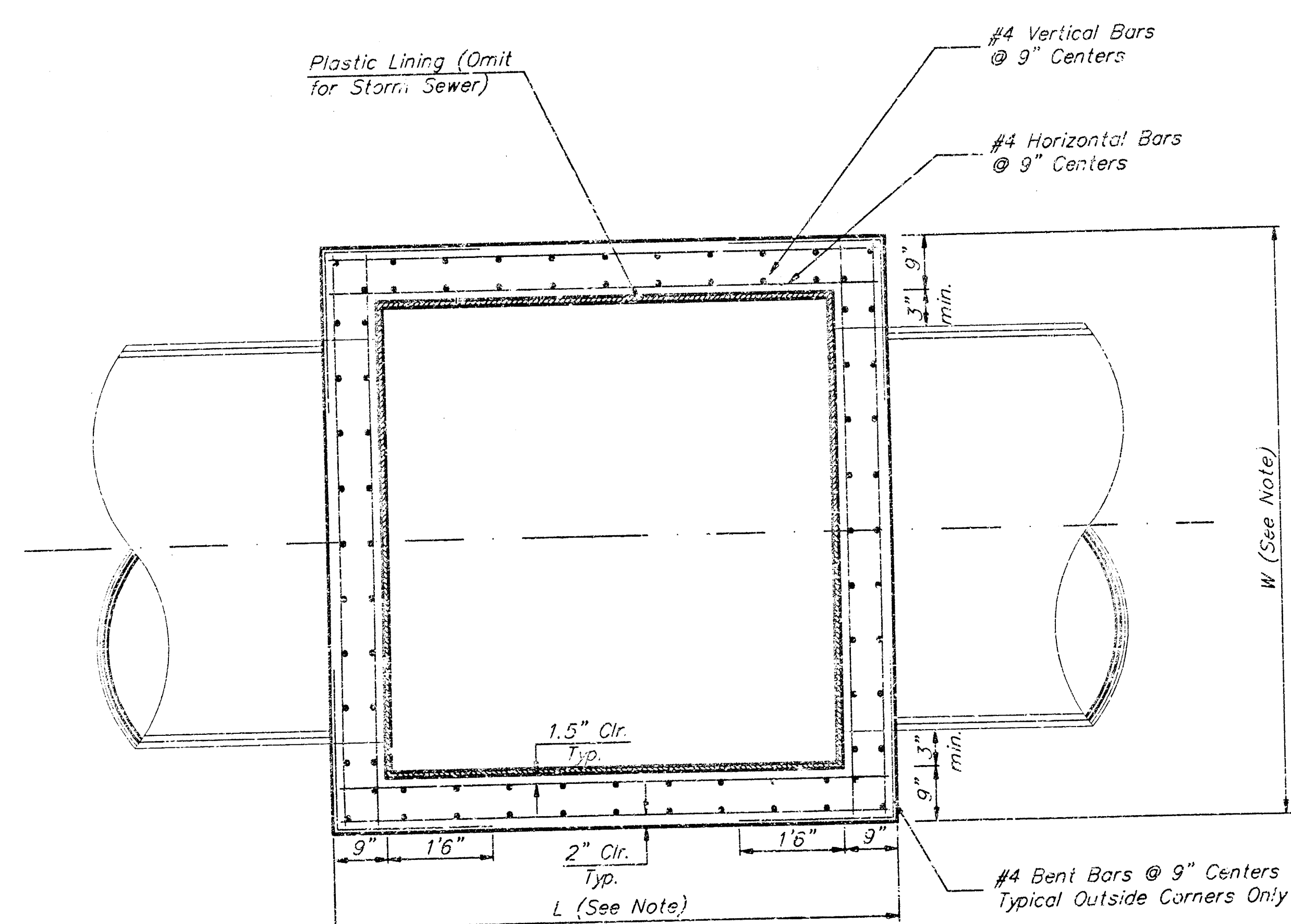
REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: 0' TO 2.33'



REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: 2.33' TO 4.0'



REINFORCED CONCRETE MANHOLE
DEPTH OF STACK: OVER 4.0'



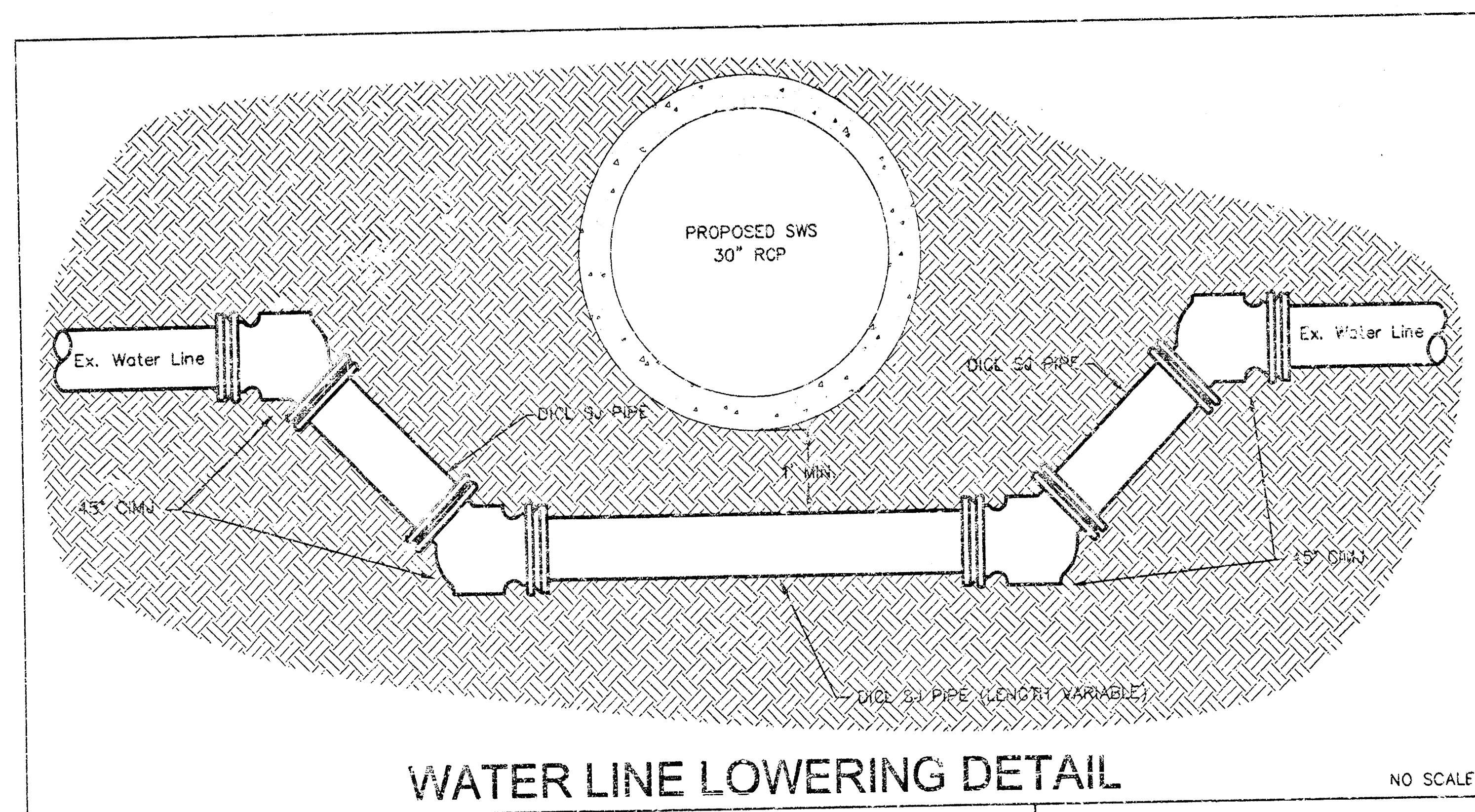
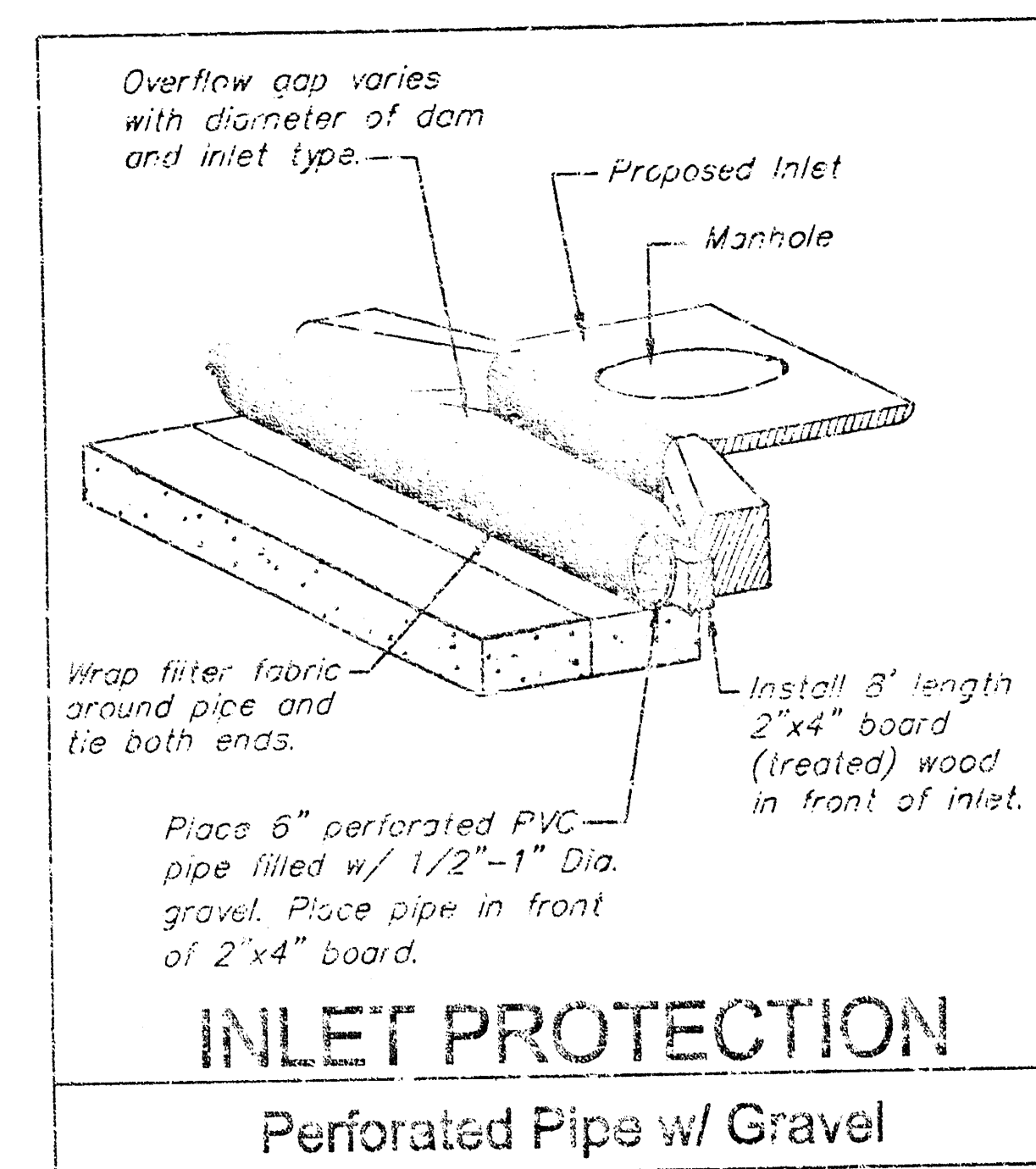
TOP VIEW

Notes:

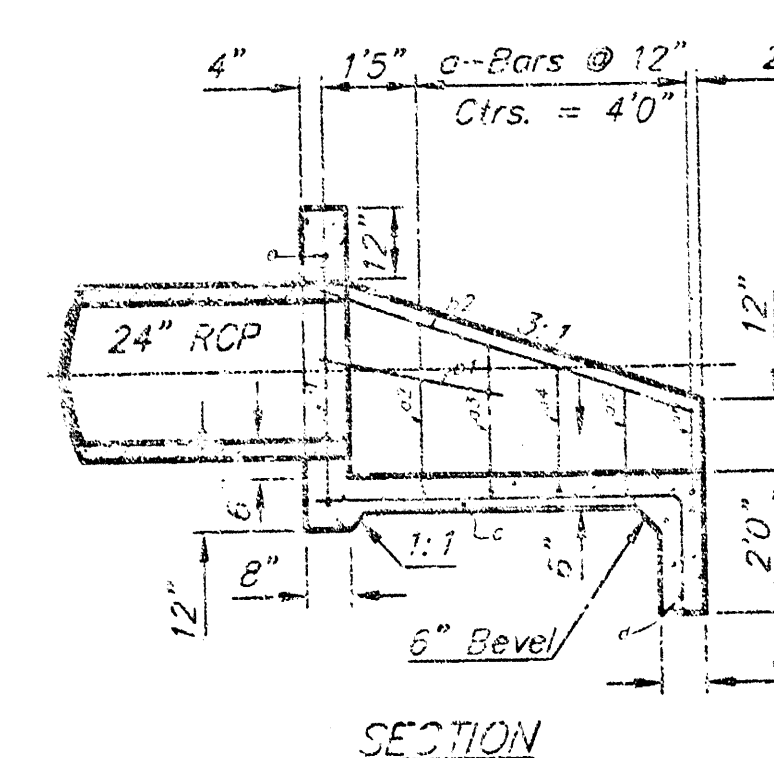
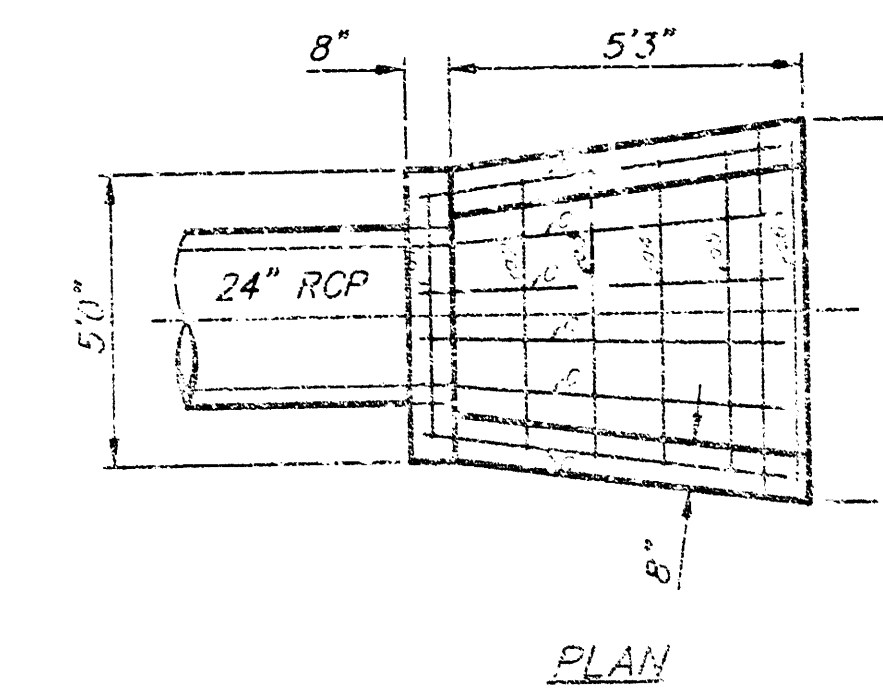
Brick barrels less than 16' deep shall have 8" walls except when located within public street or alley pavement; then the wall shall be 12". Brick barrels more than 16' deep shall have 12" walls. The "L" and "W" dimensions shall be a minimum of 5'6" for brick barrels with 8" walls and 6'2" for brick barrels with 12" walls when the brick barrels are over 4' in height. Completed manhole shall be without leaks and watertight.

Concrete wall thicknesses shown represents manhole type located within traffic bearing areas. Manhole wall, base, & top dimensions may be reduced when manholes are not subject to vehicle loads. Contractor shall be required to submit shop drawings to the Engineer for approval.

CITY OF WICHITA STANDARD					
REINFORCED CONCRETE MANHOLE					
BAUGHMAN COMPANY P.A.					
ENGINEERING, SURVEYING, & PLANNING					
PROJECT NUMBER					
DESIGN	DRAWN	APPROVED	DATE	SCALE	SHEET
C.O.R.	STAFF			AS NOTED	7 OF 9



ALL BENDS TO BE BLOCKED AS PER WATER DEPT SPECS. CONTRACTOR MAY ANCHOR BENDS TOGETHER ALONG PIPE W/ RODS & LUGS.



a-Bars	b-Bars
a1 4'3"	a1 3'6"
a2 4'4"	a2 2'5"
a3 4'5"	a3 2'1"
a4 4'7"	a4 1'9"
a5 4'9"	a5 1'7"
a6 4'9"	a6 1'2"

REBAR SCHEDULE

Bar	Shape	No.	Length	Weight
a1		1	11'3"	7.52
a2		1	9'2"	6.12
a3		1	8'7"	5.73
a4		1	8'1"	5.40
a5		1	7'10"	5.23
a6		1	7'1"	4.73
b1		2	2'9"	3.67
b2		2	5'10"	7.79
c		6	6'11"	27.72
d		1	3'0"	3.37
e		1	4'4"	2.89
Total Rebar			80.17 Lbs	
Concrete			+1.67 C.Y.	

A Deduction in Concrete Quantities Has Been Made for Pipe Openings Through the Headwall.

* Field Bend or Cut Reinforcing as Required for Clearance.

All Concrete Reinforcement to be #4 Rebar.

All Rebar to Have Min. of 1 1/2" Conc. Cover.

- ### GENERAL NOTES
- ALL PIPES SHALL BE FLUSH CUT PRIOR TO BEING CAST INTO CONCRETE HEADWALL.
 - CONCRETE USED IN HEADWALL CONSTRUCTION SHALL BE SAME AS PER CITY STANDARD PAVING MIX EXCEPT THAT IT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
 - ALL EXPOSED EDGES SHALL BE BEVELED 1/2".
 - REINFORCING STEEL SHALL COMPLY TO A.S.T.M. DESIGNATION A615 GRADE 60. ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTERLINE OF BAR UNLESS OTHERWISE NOTED.
 - THE "REM. CONC. HEADWALL" SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH IN PLACE WHICH SHALL INCLUDE ALL LABOR, MATERIALS, EXCAVATION, CONCRETE, REINFORCING STEEL AND ALL OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK. MATERIAL QUANTITIES SHOWN ARE FOR INFORMATION ONLY.

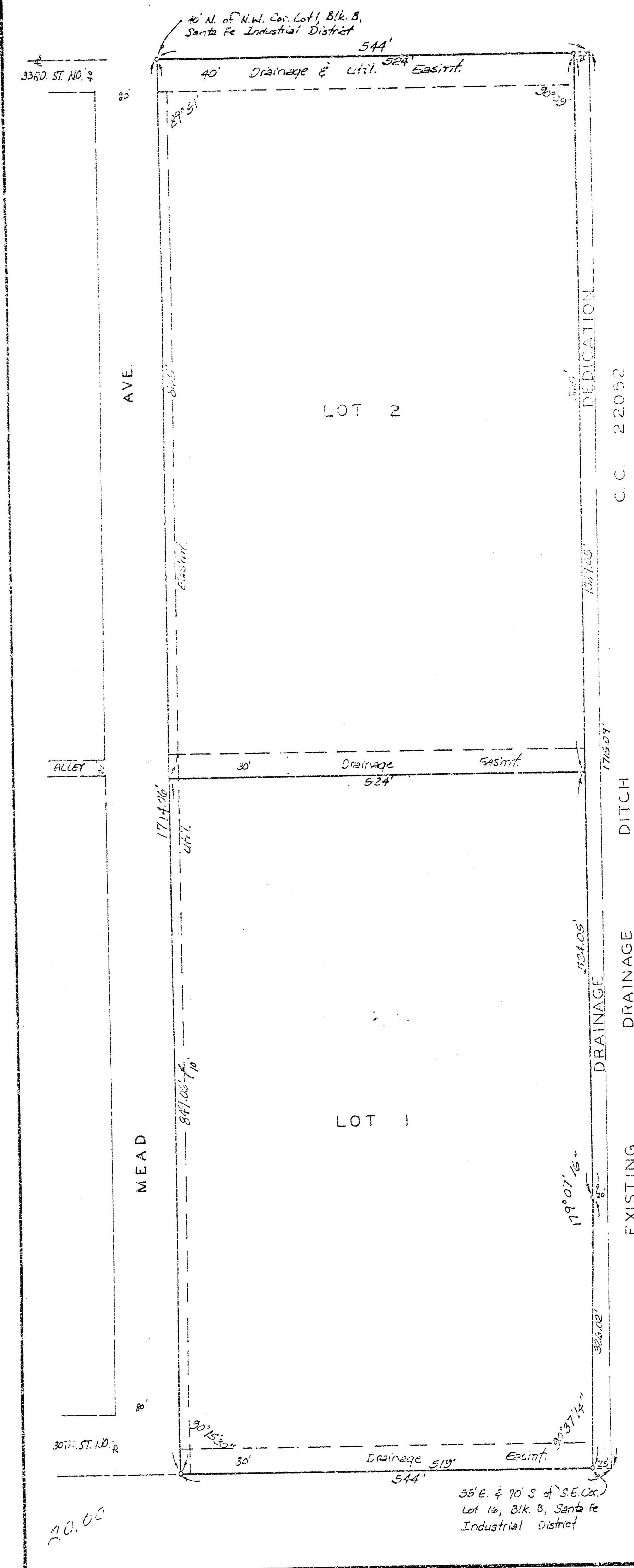
DETAILS

BAUGHMAN COMPANY P.A.				
ENGINEERING, SURVEYING, & PLANNING				
118-662-7231 • 118-662-7232 • 118-662-7233 • 118-662-7234 • 118-662-7235 • 118-662-7236 • 118-662-7237 • 118-662-7238 • 118-662-7239 • 118-662-7240				
PROJECT NUMBER				
DESIGN	DRAWN	APPROVED	DATE	SCALE
SCL	SCL	NRW	4/12/01	NONE
				SHEET 8 OF 8

HEADWALL FOR 24" RCP

COLEMAN CO. ADDITION

WICHITA, KANSAS.



State of Kansas, ss. We, Baughman Company, P.A. Surveyors in and for said county and state do hereby certify that we have surveyed and plotted "COLEMAN CO. ADDITION", Wichita, Kansas, and that the accompanying plat is a true and correct exhibit of the property surveyed, described as and being a replat of Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18, Block 3, Santa Fe Industrial District at Wichita, Kansas, together with all of the alley lying between said Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18, 30th St. No. 2 and all of Mosley Ave. adjacent thereto, being more particularly described as beginning at the N.W. Corner of said Lot 1; thence north, along the extended west line of said Block 3, 40 feet to the center line of said St. No. 2 as plotted in said Addition; thence north along the center line of said St. No. 2, 174 feet to the south line of said Mosley Ave. as plotted in said Addition; thence east along the center line of said Block 3, 40 feet to the east line of said Mosley Ave. as plotted in said Addition; thence south along the east line of said Mosley Ave. 174.00 feet to the south line of said St. No. 2 as plotted in said Addition; thence west along the south line of said Block 3, 40 feet to the west line of said Block 3, extended south; thence north 1674.06 feet to the place of beginning. The streets and alley being vacated by virtue of K.S.A. 1930 supp. 12-512(b).

Baughman Company, P.A.

Wichita City William C. Koser Surveyor
William C. Koser

Know all men by these presents that we, the undersigned, have caused the land described in the surveyors certificate to be plotted into a lot to be known as "COLEMAN CO. ADDITION" Wichita, Kansas. The easements are hereby granted as indicated, for the construction and maintenance of all public utilities. The drainage dedication is hereby dedicated for drainage purposes. The Coleman Co., Inc.

John M. Reiff Vice President

#525177

State of Kansas, ss. The foregoing instrument, was acknowledged before me this 10th day of October, 1930, by John M. Reiff, Vice-President.

My Comm. Exp. _____ Notary Public

This plat of "COLEMAN CO. ADDITION", Wichita, Kansas, has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas. Dated this 4th day of December, 1930.

Wichita-Sedgwick County Metropolitan Area Planning Commission

James Chairman
Richard Secretary

This plat approved and all dedications shown hereon accepted by the Board of Commissioners of the City of Wichita, Kansas, this 11th day of December, 1930.

Wichita Mayor
Wichita City Clerk

This plat approved and all dedications shown hereon accepted by the Board of Commissioners, Sedgwick County, Kansas, this 32nd day of December, 1930.

Wichita Commissioner
Wichita Commissioner
Wichita County Clerk

Entered on transfer record this 3 day of January, 1931.

Wichita County Clerk

State of Kansas ss. This is to certify that this Sedgwick County ss. This is to certify that this plat has been filed for record in the office of the Register of Deeds, this 3rd day of February, 1931, at 11:00 o'clock A.M. and is duly recorded.

Wichita Register of Deeds
Wichita Deputy