STORM WATER SEWER NO. 279

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

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SYMBOLS

GAS LINE	—G—
WATER LINE	—W—
SANITARY SEWER	—S—
[illegible] JOINT	
P[illegible]ENT REMOVAL	

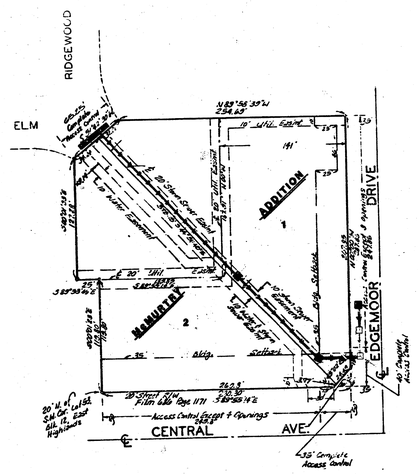
BENCH MARK

Rim of Manhole located 8' 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

N

SCALE 1"=60'



BENEFIT DISTRICT

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
9/85
GREENE

CITY OF WICHITA, KS

MICHAEL E. LINDEBAK CITY ENGINEER

KANSAS LICENSED 8470 PROFESSIONAL ENGINEER

APRIL 1985

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/262-7271 • 330 LAURA • WICHITA, KANSAS 67211

1/6

FILMED FROM THE BEST

BENCH MARKS

Rim of Manhole located 9' left of Sta. 1+88 Line 2
Elevation = ~~188.46~~ 189.13

'+' cut located at the back of the sidewalk approximately 55' west and 50' north of the CL of Central & Edgemoor
Elevation = 187.09

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

CENTRAL

EDGEMOOR

McMURRAY

ADJUST SANITARY SEWER MANHOLE TOP TO ~~188.8~~ ELEVATION. 189.13

REMOVE CONCRETE PAVEMENT. DO NOT REPLACE.

STATION 0+42.4 CONST. DOUBLE DROP INLET TOP= ~~186.20~~ (DETAIL SHT. 5) 186.18

WATER & STORM SEWER EASEMENT

PROPOSED 8" WATER MAIN (BY OTHERS)

LINE 2

LOT LINE

10' STORM SEWER EASEMENT

STATION 1+70. CONST. ~~48"~~ STD CITY OR WICHITA DOUBLE DROP INLET TOP= ~~188.87~~ 188.81

REMOVAL LIMIT

REMOVE EXISTING SIGN & BASE. COST OF SIGN REMOVAL TO BE INCIDENTAL TO PROJECT.

STATION 0+36.0 LINE 1

LINE 1

STATION 0+36.0 LINE 1 CONSTRUCT STD TYPE I CURB INLET, OPENING = 5' V.G.11" TOP= ~~186.72~~ (W=5'6") 186.34

Caution: Locate Water Lines Prior to Construction.

REMOVE & RESET THE EXISTING 30 RCP PIPES TO THE NEW ALIGNMENT.

STATION 0+00 LINE 1 CONNECT TO EXISTING TYPE I CURB INLET

REMOVE TO LF 15" RCP

20' UTILITY EASEMENT

ADDITION

10' WATER EASEMENT

20' STORM SEWER EASEMENT

REMOVE CONC. PVMT. DO NOT REPLACE.

REMOVAL LIMIT

SEE SHEET 5 FOR DETAIL.

Caution: 4" gas line needs to be relocated by The Gas Service Co. simultaneously with the sewer construction. Contact Gas Co.

ADDITION

ELM

STA. 3+08.8 CONSTRUCT STD TYPE I CURB INLET TO OPENING = 6'X10' (W=8'6") (SEE PG. 3 FOR INLET DETAIL) 192.3 TOP

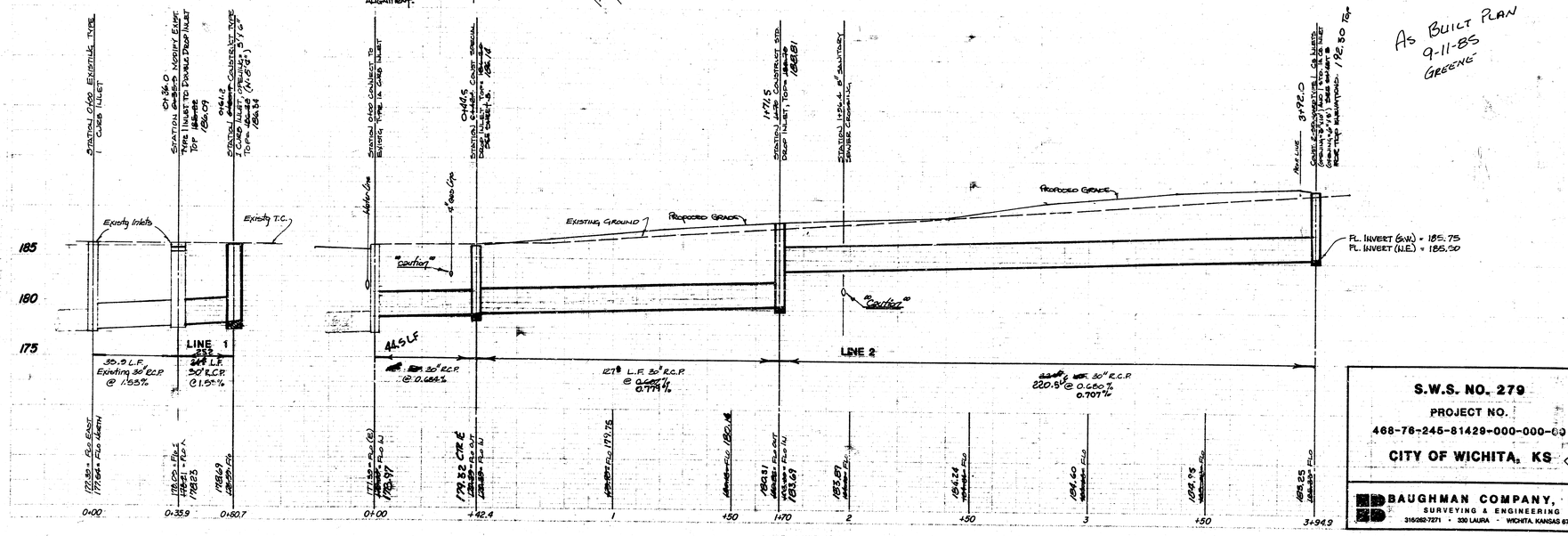
CONSTRUCT STD TYPE I CB INLET (OPENING 6'X5') (W=8'6") (SEE PG. 3 FOR INLET DETAIL)

RIDGEWOOD

EAST HIGHLAND

STA. 3+92.0 CONSTRUCT STD TYPE I CB INLET (OPENING = 6'X5') (W=8'6") SEE SHT. 5 FOR DETAIL RESET TOP ELEVATION: 192.50 TOP

As Built Plan
9-11-85
Greene

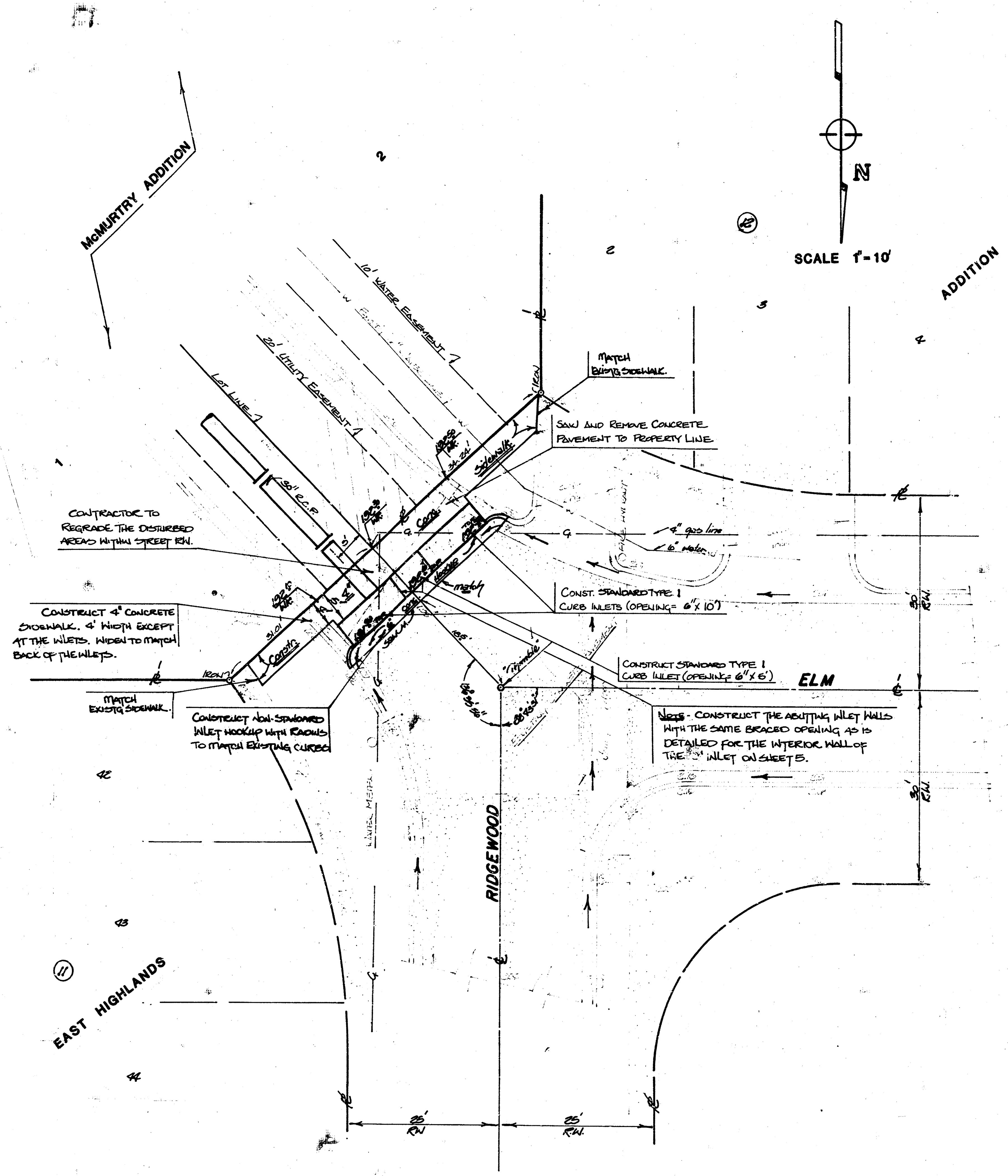


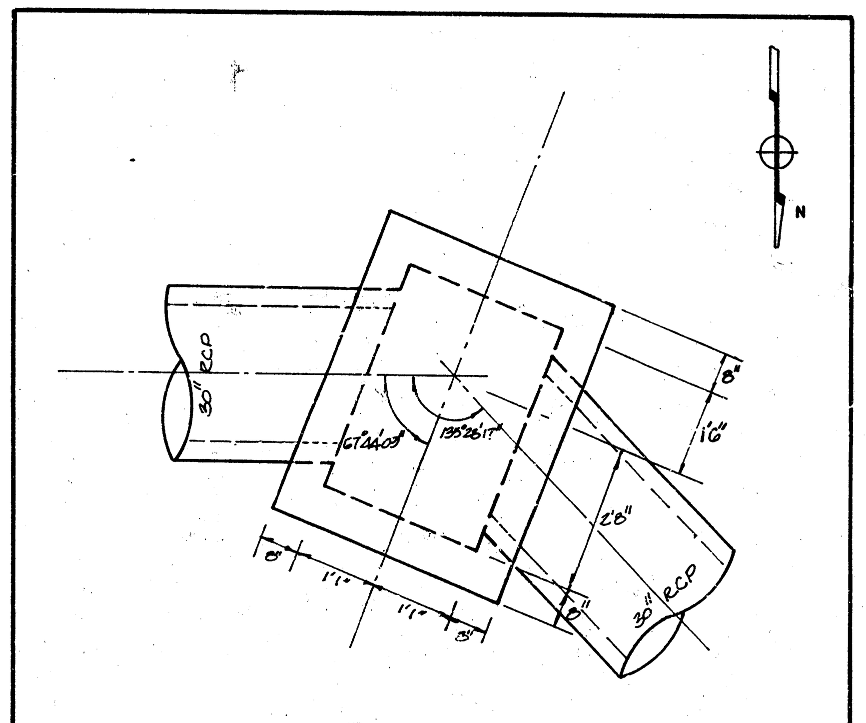
S.W.S. NO. 279

PROJECT NO.
468-78-245-81429-000-000-001

CITY OF WICHITA, KS

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
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DOUBLE DROP INLET ORIENTATION DETAIL
STA. 0+42.4

S.W.S. NO. 279

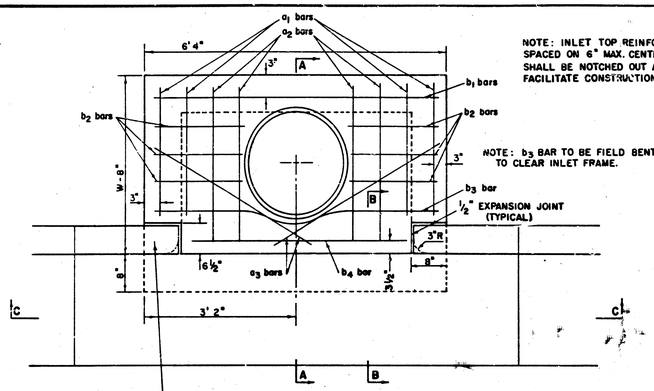
INLET LOCATION DETAILS

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

CITY OF WICHITA, KS

3/6

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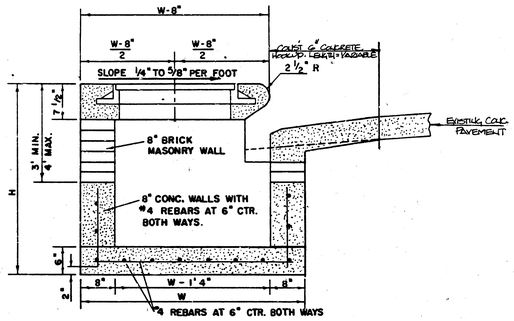


PLAN

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

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: b_3 BAR TO BE FIELD BENT TO CLEAR INLET FRAME.



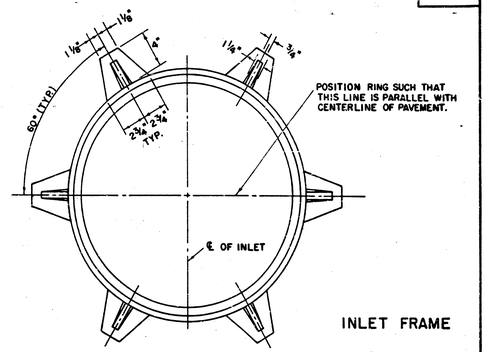
SECTION A-A

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" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W = 6'4" AND H = 7'0" OR LESS.

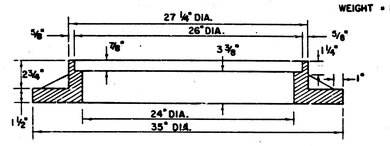
INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

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.



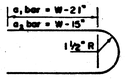
SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.

STEEL SCHEDULE

BAR		a_1	a_2	a_3	b_1 w=4'4"	b_1 w=5'4"	b_1 w=6'4"	b_1 w=7'4"	b_1 w=8'4"	b_2	b_3	b_4	WT. LBS.
NUMBER		4	4	2	1	3	5	7	9	6	1	1	
SIZE		#4	#4	#4	#8	#4	#8	#4	#4	#4	#4	#6	
LENGTH	W=4'4"	5'7"	6'7"	4'0"	6'1"	-	-	-	-	1'9"	6'2"	4'8"	60±
	W=5'4"	7'7"	8'7"	5'0"	--	6'1"	-	-	-	1'9"	6'2"	4'8"	81±
	W=6'4"	9'7"	10'7"	6'0"	-	-	6'1"	-	-	1'9"	6'2"	4'8"	101±
	W=7'4"	11'7"	12'7"	7'0"	-	-	-	6'1"	-	1'9"	6'2"	4'8"	121±
	W=8'4"	13'7"	14'7"	8'0"	-	-	-	-	6'1"	1'9"	6'2"	4'8"	141±

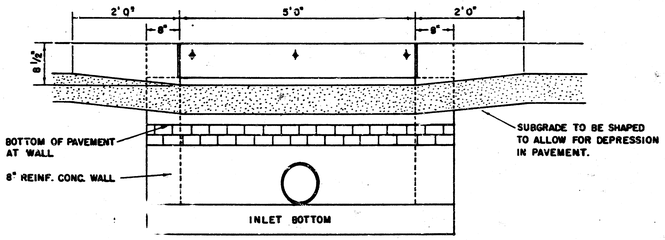
NOTE: a_3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER.

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU.YD. CONC.
4' 4"	5'8" 6'4" 7 1/2"	21" & SMALLER	0.38 ±
5' 4"	6'8" 6'4" 7 1/2"	24" & 30"	0.51 ±
6' 4"	7'8" 6'4" 7 1/2"	36" & 42"	0.64 ±
7' 4"	8'8" 6'4" 7 1/2"	48" & 54"	0.77 ±
8' 4"	9'8" 6'4" 7 1/2"	60" & 66"	0.90 ±

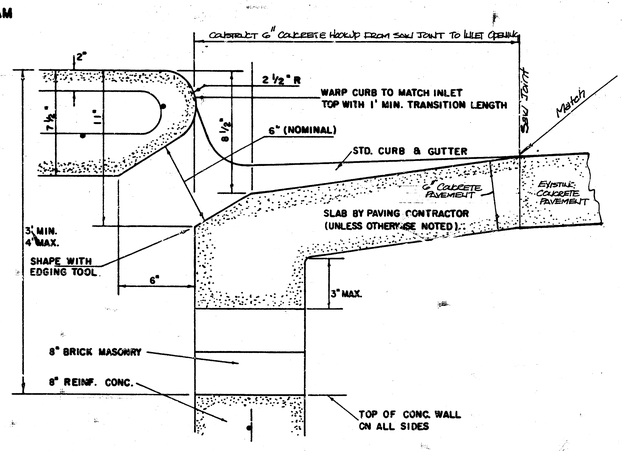


BENDING DIAGRAM

SECTION B-B



SECTION C-C



REVISED 12-21-1984

DETAIL STANDARD TYPE I CURB INLET

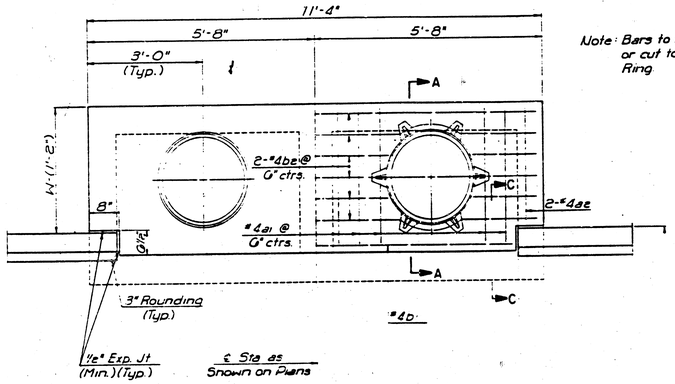
CITY OF WICHITA, KANSAS

INLET OPENING = 6" × 5'0"

JUNE 1984

4/6

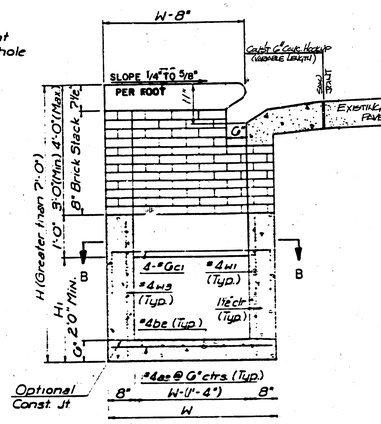
SHEET NO	TOTAL SHEETS



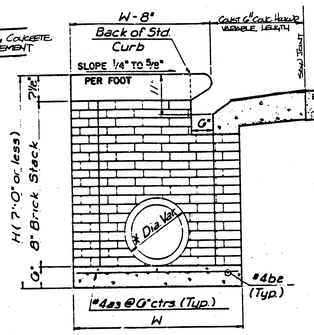
Note: Bars to be field bent or cut to clear Manhole Ring.

SLAB REINFORCING NOT SHOWN SHOWING SLAB REINFORCING

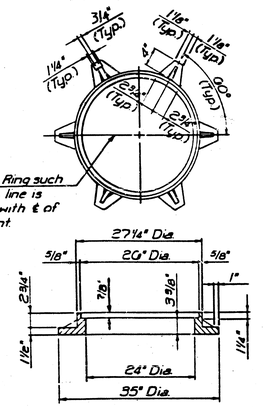
PLAN



TYPICAL INLET SECTION AT CENTER WALL
(Reinforced Concrete Walls)



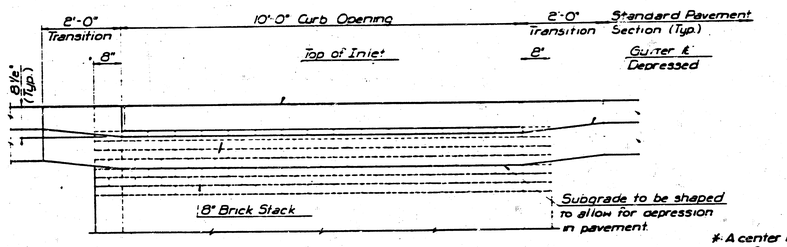
TYPICAL INLET SECTION AT CENTER WALL
(Masonry Walls)



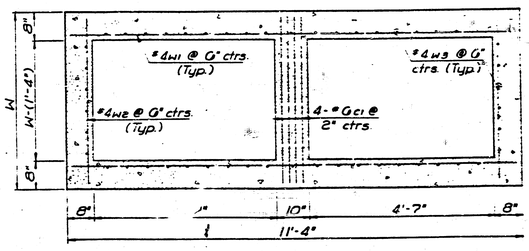
Position Ring such that this line is parallel with ℄ of Pavement.

INLET FRAME (Weight = 180 LBS.)

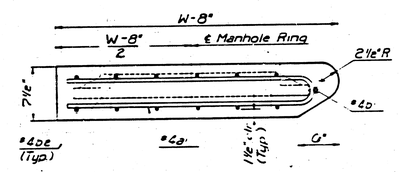
SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.



ELEVATION



SECTION B-B



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.

SLAB AND FLOOR REINFORCING

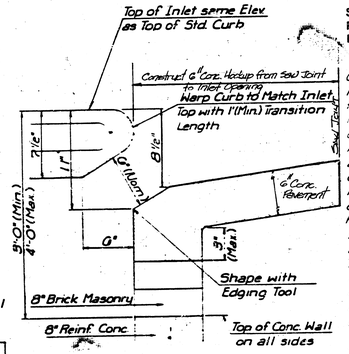
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
Mark	Size	No	Length	No	Length	No	Length	No	Length	No	Length
a1	#4	13	6'-7¼"	13	8'-7¼"	13	10'-7¼"	13	12'-7¼"	13	14'-7¼"
ae	#4	2	6'-0"	2	8'-0"	2	10'-0"	2	12'-0"	2	14'-0"
a3	#4	20	4'-1"	20	5'-1"	20	6'-1"	20	7'-1"	20	8'-1"
D1	#4	1	0'-8"	1	0'-8"	1	0'-8"	1	0'-8"	1	0'-8"
*be	#4	18	11'-1"	24	11'-1"	30	11'-1"	36	11'-1"	42	11'-1"

WALL REINFORCING

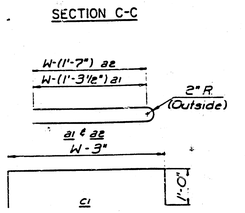
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
Mark	Size	No	Length	No	Length	No	Length	No	Length	No	Length
c1	#6	4	6'-1"	4	7'-1"	4	8'-1"	4	9'-1"	4	10'-1"
w1	#4	1	11'-1"	1	11'-1"	1	11'-1"	1	11'-1"	1	11'-1"
w2	#4	1	4'-1"	1	5'-1"	1	6'-1"	1	7'-1"	1	8'-1"
w3	#4	2	3	2	3	2	3	2	3	2	3

*Field bend or cut Reinforcing as required for clearance

①4(H1-6") ②40+4(W-1) ③H1-(0")



SECTION C-C



BENDING DIAGRAMS

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 pipes. All bars are #4 bars at 6" Spacing and shall have a minimum clearance of 1½" 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 all inlet and/or outfall 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.

REVISED 12-21-1984

DETAIL STANDARD TYPE I CURB INLET

INLET OPENING = 6' x 10'-0"

CITY OF WICHITA

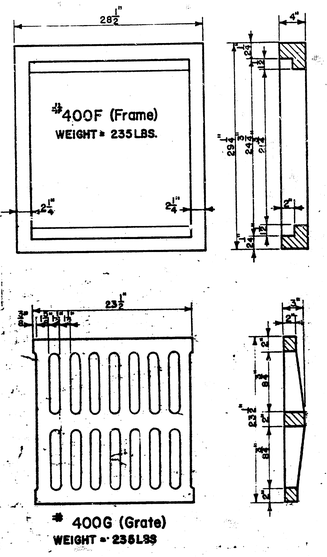
M. E. LINDEBAK, CITY ENGINEER

OCTOBER 1984

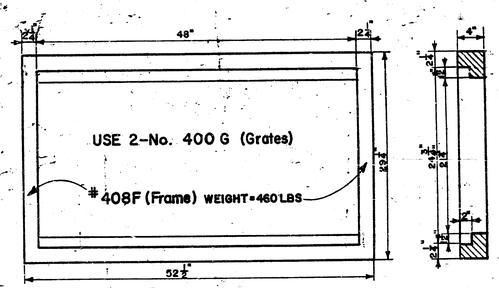
5/6

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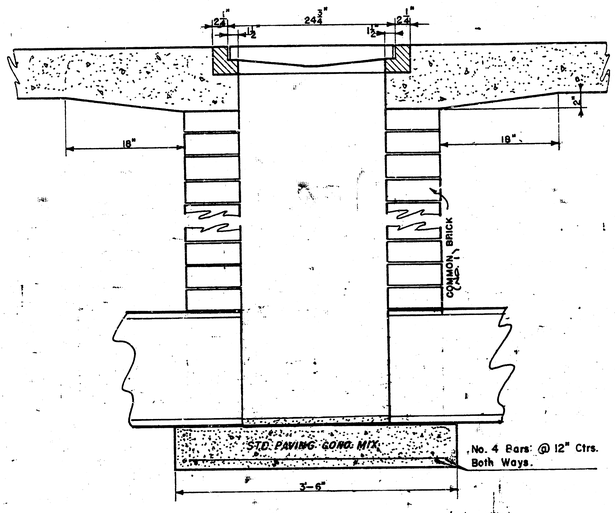
NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters of at least 1" in height. Other marking methods may be used only if approved by the engineer.

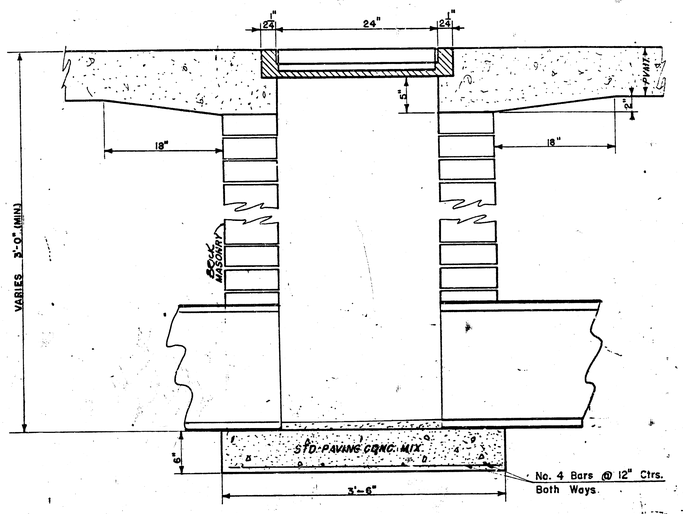


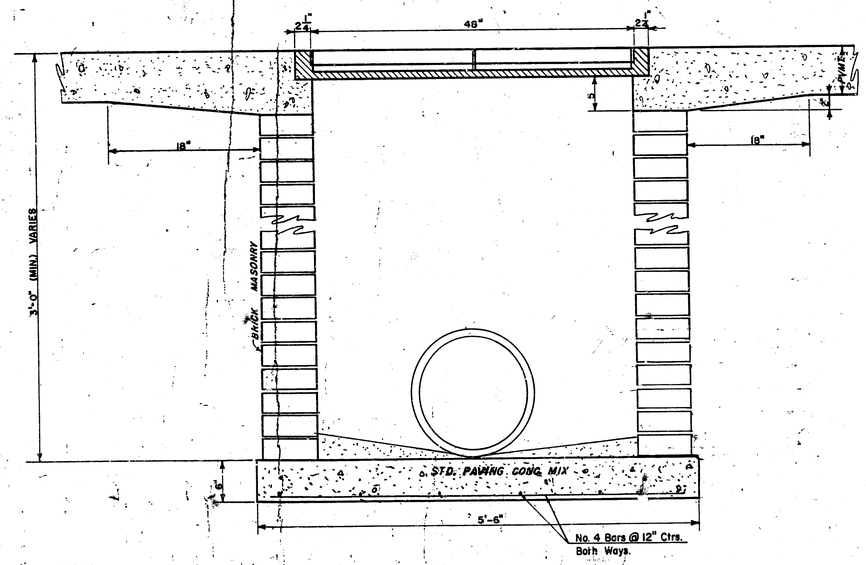
24"x24" Frame & Grate Detail



Double 24"x24" Frame Detail







DROP INLET DETAILS

M.E. Lindebak, City Engineer
City of Wichita, Kansas
Project SWS #259
Project #468-76-245-81429-000-000-001
Date: APRIL 1985
Scale: 1-1/2" = 1'-0"

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