STORM SEWER NO. 413

NORTHBROOK MEADOW 2ND. ADDITION

PROJECT NO.
468-82089

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER

INDEX NO. 750190

GENERAL NOTES

1. UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA SPECIFICATIONS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO REESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE REESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.

3. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.

4. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE-CALL	1-800-344-7233
	OR 687-2470 (LOCAL WICHITA)

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

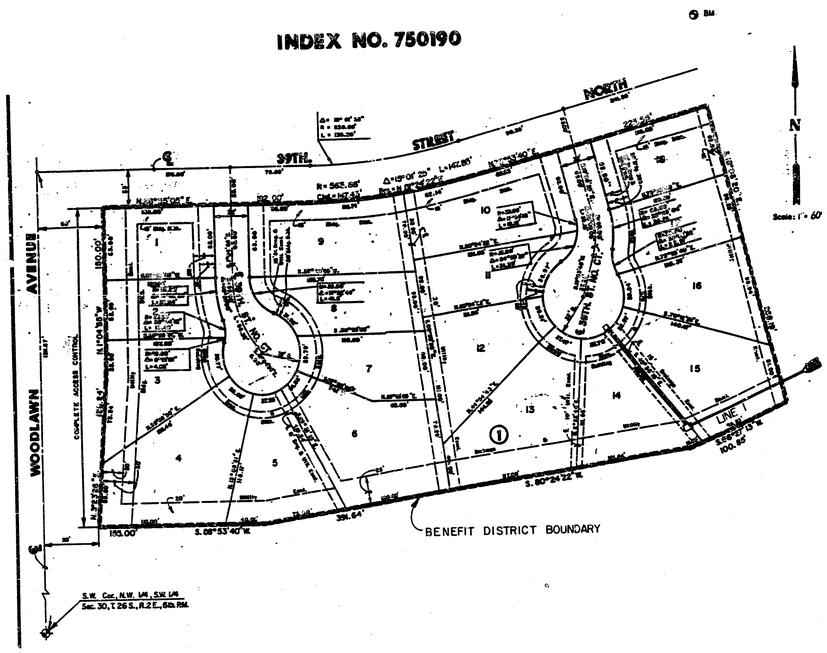
SOUTHWESTERN BELL TELEPHONE COMPANY	1-571-2115
CABLEVISION	262-4270 OR 263-2061
KPL GAS SERVICE COMPANY	263-7511
KANSAS GAS & ELECTRIC	264-1141
CITY OF WICHITA WATER DEPARTMENT	268-4908
CITY OF WICHITA SEWER MAINTENANCE	268-4908
ARKLA GAS COMPANY	942-8350 OR 263-8151

5. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED.

6. THE TOPS OF INLETS AND MANHOLES AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS AND MANHOLES WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS. INLET DEPRESSIONS NEED TO BE TIED TO CURB, GUTTER, AND PAVING.

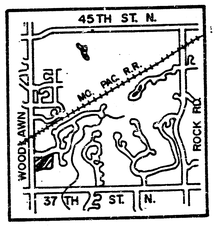
BENCH MARKS

"□" CUT ON N.W. COR. OF R.C.B. ON 39TH ST NO.
AT S.E. COR. OF NORTHBROOK MEADOW
ELEV. = 1183.45 CITY DATUM



INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	Title Sheet
2	Line1 - Plan & Profile
3	Detail Std. Type IA Curb Inlet
4	Drop Inlet Details
5	Northbrook Meadow 2nd Add. Final Plat



LOCATION MAP

Booked 7-91 MCG

GREGORY J. ALLISON LICENSED 11159 KANSAS PROFESSIONAL ENGINEER

MKEC PROJ. NO. 91-21-115 D

MK EC

NORTHBROOK MEADOW 2ND. ADDITION STORM WATER SEWER PLANS

Design: GJA
Drawn by: DPR
Checked by: DSS
Date: APRIL 1991
Job no:

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
636-5566

Sheet 1 of 5

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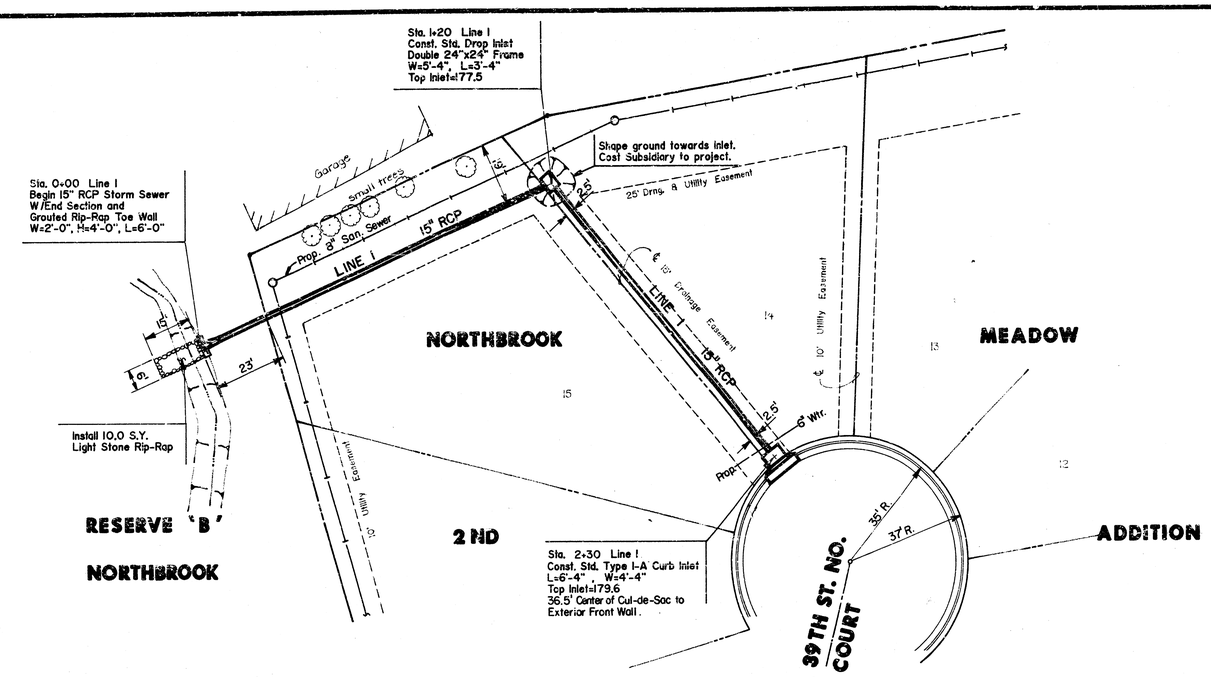
NORTHBROOK MEADOW 2ND ADDITION
STORM WATER SEWER - LINE I
PROJ. NO. 468-82089

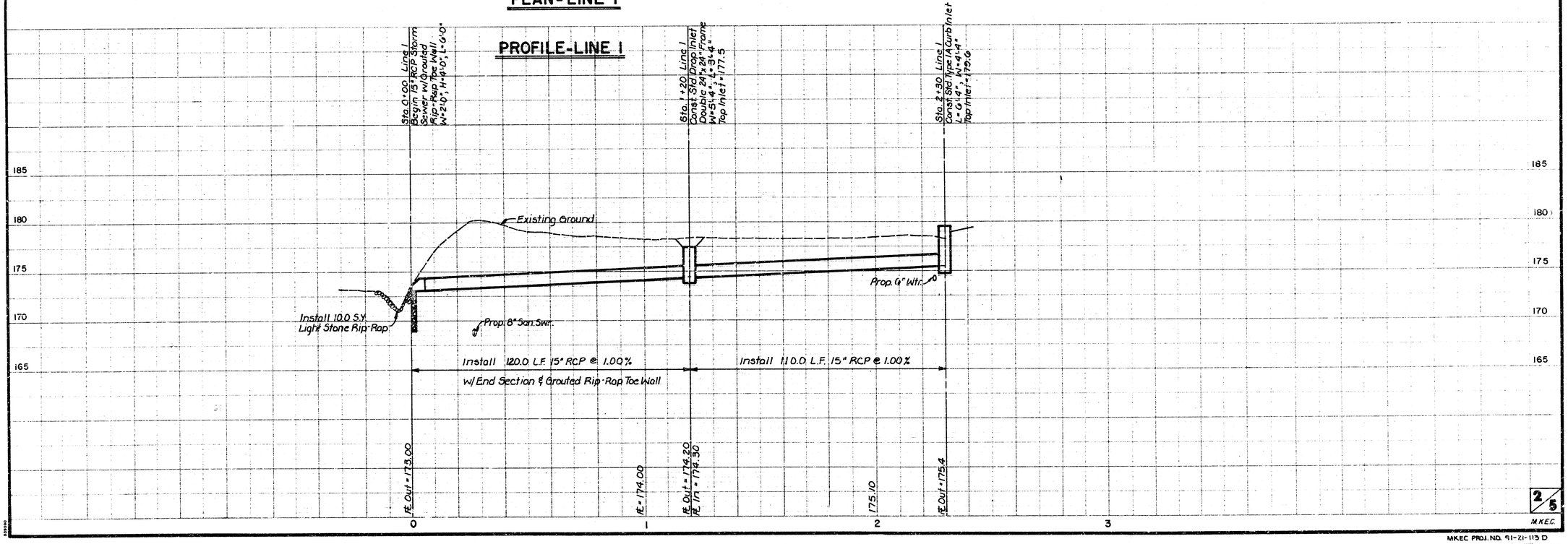


N

SCALE: 1" = 20' Horiz.
1" = 5' Vert.

PLAN - LINE I

PROFILE - LINE I



2/5

MKEC

MKEC PROJ. NO. 91-21-115 D

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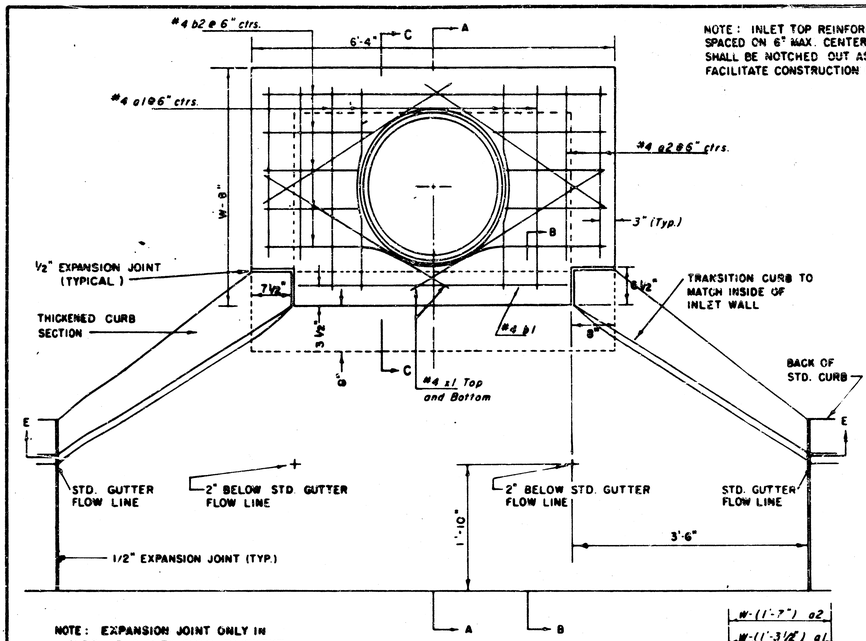
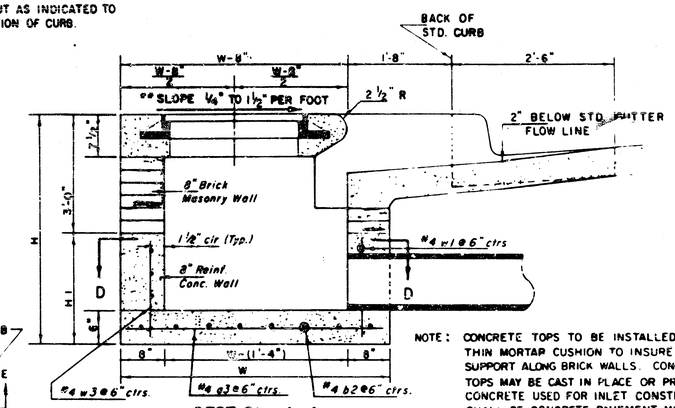


NOTE : EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

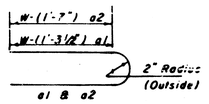
PLAN

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

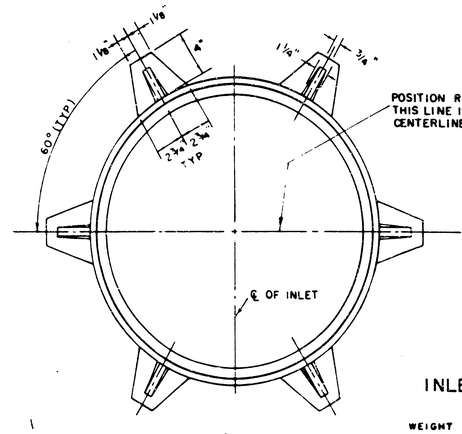


SECTION A-A

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 WITH AIR ENTRAINMENT.

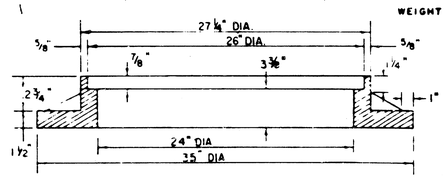


BENDING DIAGRAM



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.

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

** NOTE : Slope of Inlet Tops to match Sidewalk or Parking Slopes within Limits indicated.

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
a1	#4	6	6'-7"	8	8'-7"	6	10'-7"	6	12'-7"	6	14'-7"
a2	#4	4	3'-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"
b1	#4	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"
b2	#4	23	6'-1"	29	6'-1"	35	6'-1"	41	6'-1"	47	6'-1"
z1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"	8	5'-2"

WALL REINFORCING

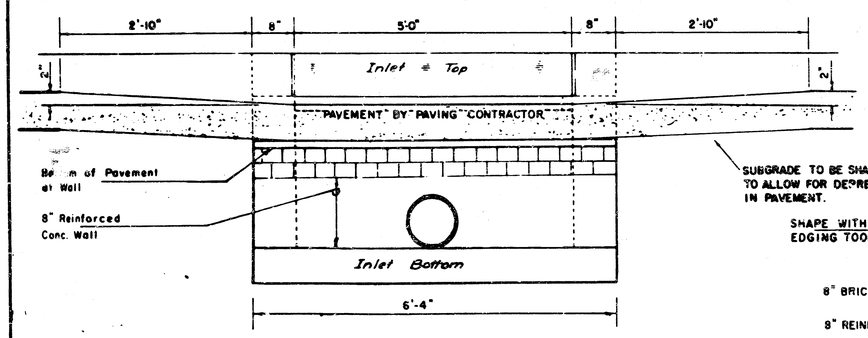
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
w1	#4	(1)	6'-1"	(1)	6'-1"	(1)	6'-1"	(1)	6'-1"	(1)	6'-1"
w2	#4	(1)	4'-1"	(1)	5'-1"	(1)	6'-1"	(1)	7'-1"	(1)	8'-1"
w3	#4	32	(2)	36	(2)	40	(2)	44	(2)	48	(2)

* Field bend or cut Reinforcing as required for clearance.

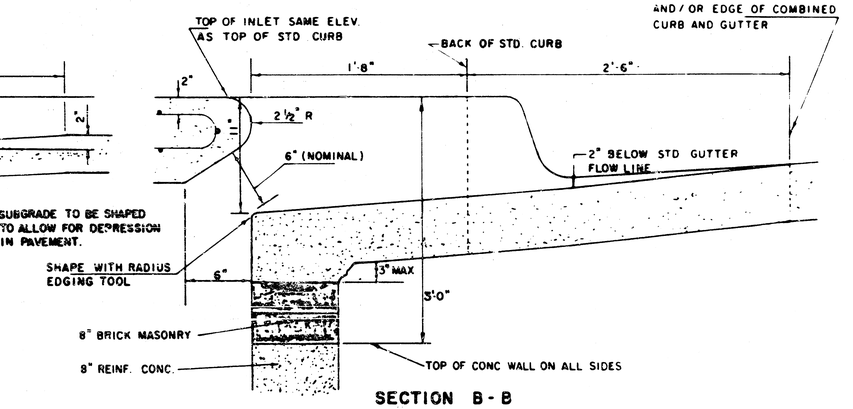
(1) 4(H1-12") ; (H1-12") Round down to nearest 0.5'

(2) H1-3"

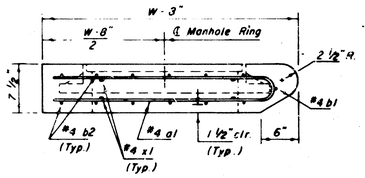
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU.YD. CONC.
4' 4"	3'6" x 6'4" x 7 1/2"	21" & SMALLER	0.38 ±
5' 4"	4'8" x 6'4" x 7 1/2"	24" & 30"	0.51 ±
6' 4"	5'8" x 6'4" x 7 1/2"	36" & 42"	0.64 ±
7' 4"	6'8" x 6'4" x 7 1/2"	48" & 54"	0.77 ±
8' 4"	7'8" x 6'4" x 7 1/2"	60" & 66"	0.90 ±



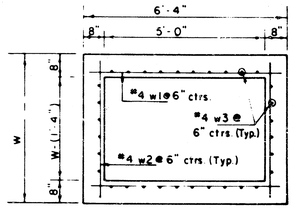
SECTION E - E



SECTION B - B



SECTION C-C



SECTION D-D

~~REVISED 11-30-88~~

~~REVISED 12-21-1984~~ Revised 2-16-1989

DETAIL STANDARD TYPE IA CURB INLET

CITY OF WICHITA, KANSAS

INLET OPENING = 6" x 5'0"

JUNE 1984

3/5

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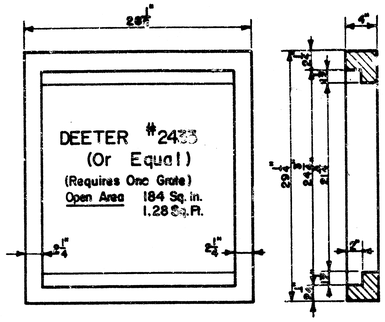
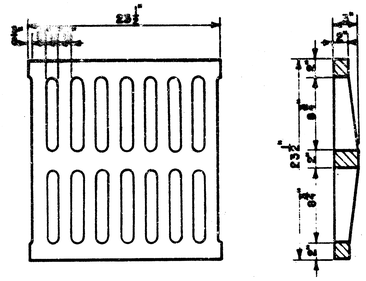
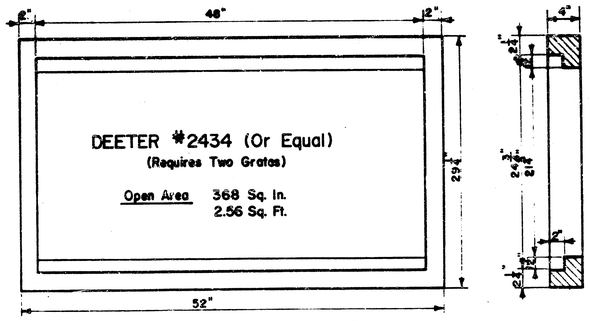
NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be used only if approved by the engineer.



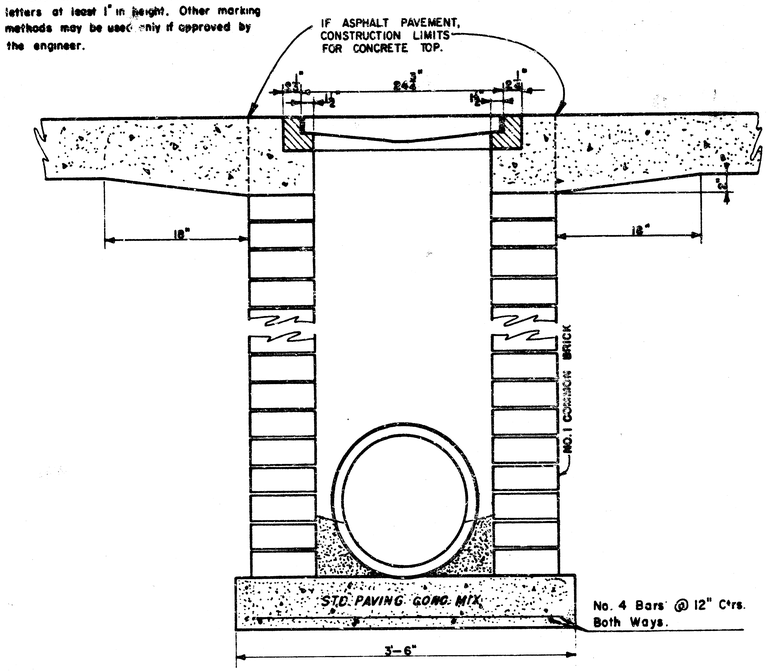


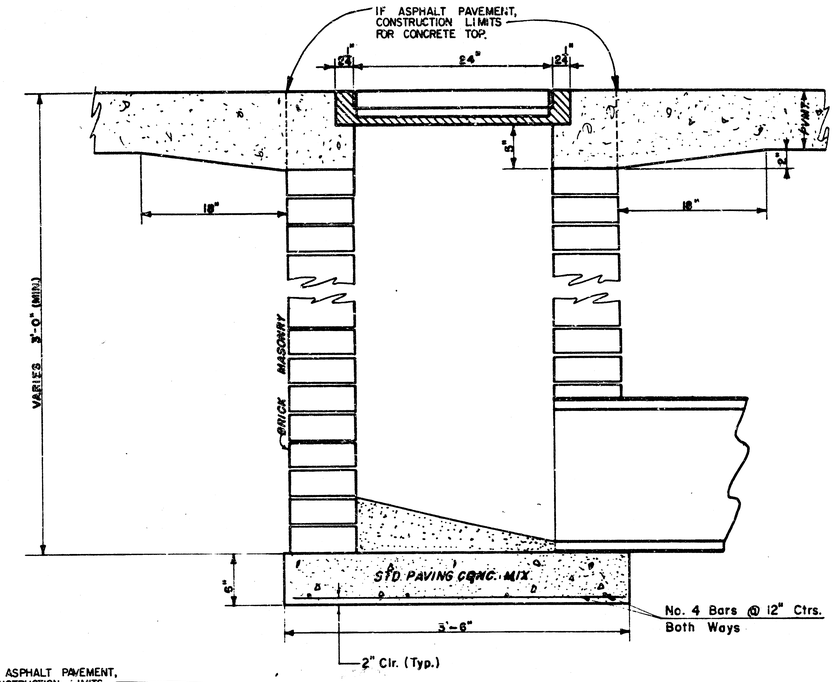
GRATE

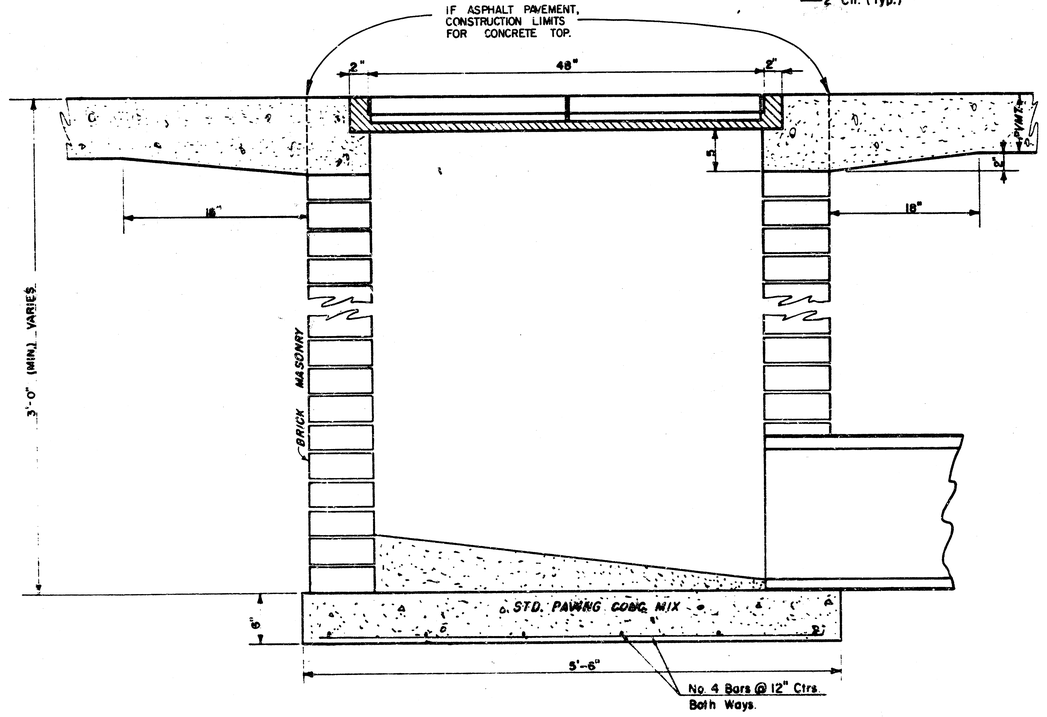
24"x24" Frame & Grate Detail



Double 24"x24" Frame Detail







ORIFICE EQUATION $Q = CA\sqrt{2gh}$ $C = 0.60$		
h (Depth	#2433 (single)	#2434 (double)
0.1	1.95 cfs	3.89 cfs
0.2	2.75 cfs	5.50 cfs
0.3	3.37 cfs	6.74 cfs
0.4	3.89 cfs	7.78 cfs
0.5	4.35 cfs	8.70 cfs
0.6	4.77 cfs	9.53 cfs
0.7	5.15 cfs	10.30 cfs
0.8	5.50 cfs	11.01 cfs
0.9	5.84 cfs	11.67 cfs
1.0	6.15 cfs	12.30 cfs

REVISED: 8 MAY 1990 JNJ

DROP INLET DETAILS

M.E. Lindebak, City Engineer

City of Wichita, Kansas

Project

Project No. MKEC PROJ. NO. 91-21-115 D

Date:

Scale: 1-1/2" = 1'-0"

4/5

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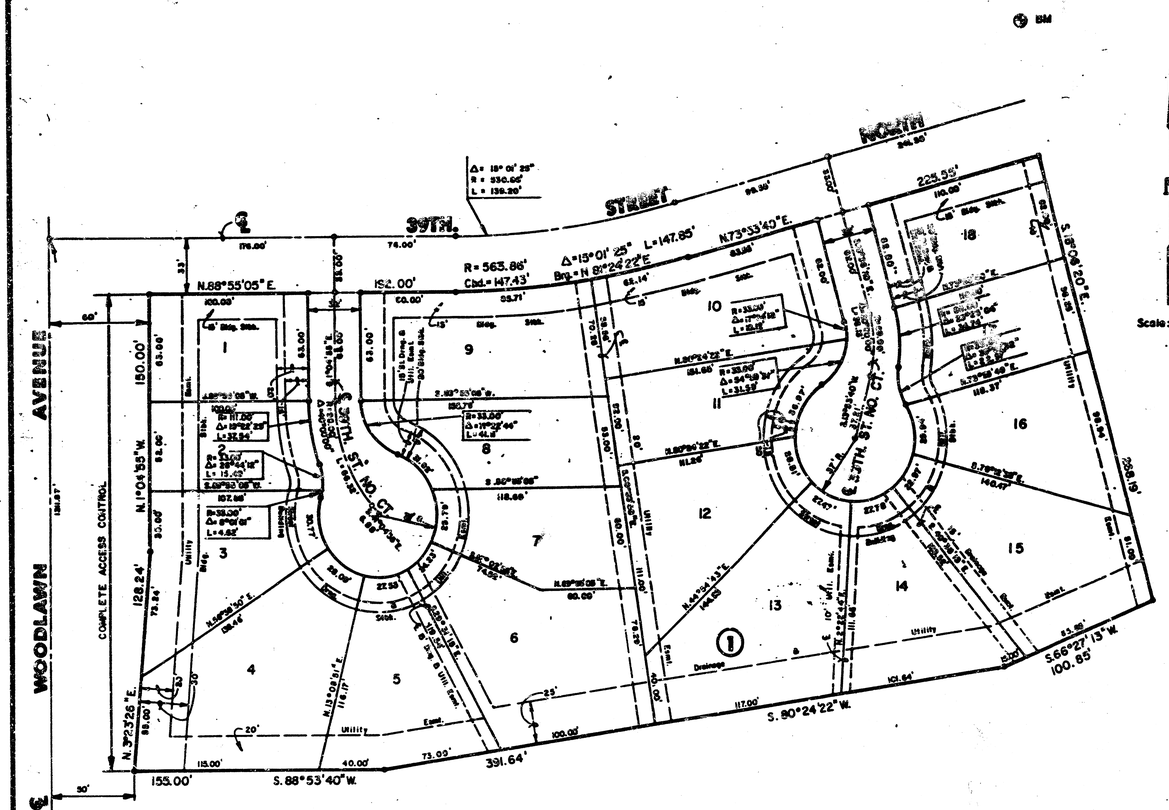
FINAL PLAT OF

NORTHBROOK MEADOW 2ND. ADDITION

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



Scale: 1" = 40'

S.W. Cor., N.W. 1/4, S.W. 1/4
Sec. 30, T. 26 S., R. 2 E., 6th P.M.

MIN. PAD ELEVATIONS (Minimum Opening)

LOTS 13, 14 & 15, BLOCK I - (180.6 CITY DATUM) (1368.0 MSL)
LOT 16, BLOCK I - (181.0 CITY DATUM) (1368.4 MSL)
LOTS 17 & 18, SLOCK I (181.6 CITY DATUM) (1369.0 MSL)

BENCH MARK

"□" CUT ON N.W. COR. OF R.C.B. ON 39TH ST. NO.
AT S.E. COR. OF NORTHBROOK MEADOW
ELEV. = 183.45 CITY DATUM

20.00 ck

I, Kenneth H. Benjamin, a Civil Engineer and Land Surveyor in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "NORTHBROOK MEADOW 2ND ADDITION", an addition to Wichita, Sedgwick County, Kansas, platted from Lots, block, and streets, the same being accurately set forth in the accompanying plat and described hereby.

A replat of Lot 62, Block 1, NORTHBROOK ADDITION, an addition to Wichita, Sedgwick County, Kansas.

All lots, blocks, streets, easements and building setbacks located within the above described property are being vacated and replatted by virtue of K.S.A. 12-512(b).

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 2nd day of November, 1990.

Kenneth H. Benjamin, P.E., L.S., PLS
Mid-Kansas Engineering Consultants, P.A.
3500 N. Rock Road, Building 900
Wichita, KS 67226

KENNETH H. BENJAMIN REGISTERED LS-922 KANSAS LAND SURVEYOR

KENNETH H. BENJAMIN LICENSED 7236 KANSAS PROFESSIONAL ENGINEER

Know all men by these presents that we the undersigned property owners of the land as shown set forth in the Civil Engineers and Land Surveyors Certificate have caused the same to be surveyed and platted into lots, a block and streets the same to be known as NORTHBROOK MEADOW 2ND ADDITION, an addition to Wichita, Sedgwick County, Kansas. The streets are hereby dedicated to and for the use of the public. Easements for construction and maintenance of public utilities, drainage, and streets are hereby granted. All abutters rights of access over and across the west line of Lots 1 through 4 inclusive, Block 1 are hereby granted to the City of Wichita. Minimum pad elevations are as indicated on the face of the plat.

#1112374

PORTER AND PLUMER HOMES
a Kansas General Partnership
J.M. Porter Enterprises, Inc., Partner

Plumer Construction, Inc., Partner

By: Merle E. Porter, President

By: Keith E. Plumer, President

Being all the partners of said partnership

STATE OF KANSAS ss:
SEDGWICK COUNTY

Be it remembered that on this 31st day of October, 1990, before me a Notary Public in and for said STATE and COUNTY, came Keith E. Plumer, President of Plumer Construction, Inc., Partner, and Merle E. Porter, President of J. M. Porter Enterprises, Inc., Partner, being all of the partners of Porter and Plumer Homes, a partnership, on behalf of the partnership and on behalf of the corporations, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof, I have hereunto set my hand and affixed my notarial seal the day and year above written.

Kathryn A. Bauman, Notary Public

My Appointment Expires: 1-24-91

KATHERYN S. BAUMAN NOTARY PUBLIC STATE OF KANSAS MY APPT. EXPIRES

This plat of "NORTHBROOK MEADOW 2ND ADDITION" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 21st day of June, 1990.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

Acting Chairman

Secretary
Marvin S. Kroat

SEAL

This plat approved and all dedications thereon hereby, if any, accepted by the City Council of the City of Wichita, Kansas, this 20 day of November, 1990.

Mayor

Deputy City Clerk

Entered on transfer record this 26 day of December, 1990.

County Clerk

STATE OF KANSAS ss:
SEDGWICK COUNTY

This is to Certify that this instrument was filed for record in the Register of Deeds office this 26TH day of DECEMBER, 1990, at 2 o'clock P.M.

Register of Deeds

Deputy
Ed Read

I, William L. Oliver, Jr., mortgagee on the above described property, do hereby consent to the plat of "NORTHBROOK MEADOW 2ND ADDITION".

William L. Oliver, Jr.

STATE OF KANSAS ss:
SEDGWICK COUNTY

Be it remembered that on this 5th day of November, 1990, before me, a Notary Public in and for said STATE and COUNTY, came William L. Oliver, Jr., to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof, I have hereunto set my hand and affixed my notarial seal the day and year above written.

Debra J. Wilmore, Notary Public

My Appointment Expires: 7-19-93

DEBRA J. WILMORE NOTARY PUBLIC STATE OF KANSAS My Appt. Exp.

CLERK OF SEDGWICK COUNTY KANSAS

5/5

MKEC PROJ. NO. 91-21-115 D

PC PRG 10 18-10

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