STORM WATER SEWER

TO SERVE LOT 1, NEW WESTERN 4TH ADDITION
WICHITA, SEDGWICK COUNTY, KANSAS

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers VRH 8/2/96
Driveway Approaches _____
Water Mains _____
Paving _____

NOTE TO CONTRACTOR

INSPECTION AND TESTING FOR THIS PROJECT IS TO BE PROVIDED BY A LICENSED CONSULTING ENGINEERING FIRM UNDER CONTRACT WITH THE OWNER/DEVELOPER. SAID INSPECTION IS TO BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD CONSTRUCTION ENGINEERING PRACTICES AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER. NO WORK SHALL BE PERFORMED IN DEDICATED EASEMENTS OR THE PUBLIC RIGHT-OF-WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.

CITY OF WICHITA, KANSAS

M.E. LINDEBAK — CITY ENGINEER

PRIVATE PROJECT NO. 647PPS
INDEX NO. 607861

Juiy 1996

NOTES

1. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE ADVANCE NOTICE OF TWENTY-FOUR (24) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

   KANSAS ONE-CALL 687-2470

   THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF EMERGENCY:

CABLEVISION	262-4270 OR 263-2061
KANSAS GAS & ELECTRIC (GAS)	263-7511
KANSAS GAS & ELECTRIC (ELECTRIC)	264-1141
ARKLA GAS COMPANY	942-8350 OR 263-8161
SOUTHWESTERN BELL TELEPHONE	1-571-2611
CITY OF WICHITA WATER DEPT.	268-4908
CITY OF WICHITA SEWER MAINTENCE	268-4071

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

3. INTERURBAN TRAFFIC GENERATED OUTSIDE THE PROJECT AREA IS NOT TO BE CARRIED THROUGH CONSTRUCTION.

4. EXISTING UTILITIES AND THEIR LOCATION, 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 CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

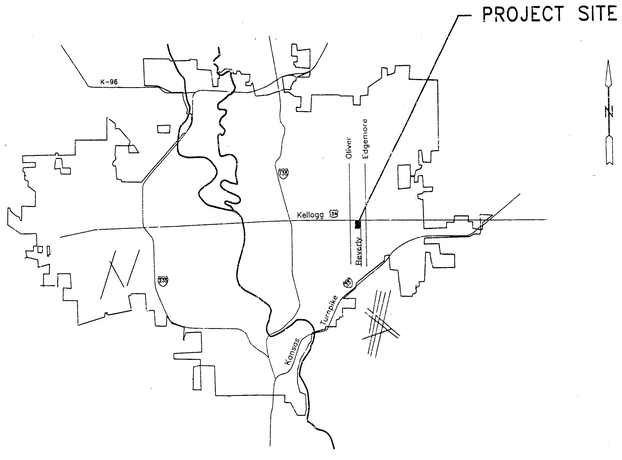
5. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER,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

   ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR IN A FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS. OF ENGINEER PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.

6. THE CONTRACTOR SHALL NOTIFY PIPELINE COMPANIES AT LEAST 24 HOURS IN ADVANCE OF ANY WORK BEING PERFORMED ACROSS AND/OR ADJACENT TO PIPELINES.

7. TREES & SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES & SHRUBS WHICH ARE NOT IN CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.

8. CONTRACTOR SHALL GIVE THE OWNER OF PROPERTY ABUTTING THIS PROJECT, WHOSE YARDS WILL BE LOWER THAN THE NEW FINISHED GRADE ELEVATIONS AT THE RIGHT-OF-WAY LINE, AN OPPORTUNITY TO UTILIZE EXCESS EXCAVATED MATERIAL FROM THE PROJECT TO REGRADE THOSE YARD TO DRAIN TO THE NEW PAVEMENT. CONTRACTOR WILL BE REQUIRED TO DUMP AND SPREAD THE EXCESS MATERIAL AS REQUIRED BY THE SPECIFICATIONS WHEN REQUESTED BY THE PROPERTY OWNER. THE CONTRACTOR SHALL BE FURNISHED A WRITTEN REQUEST FROM THE PROPERTY OWNER BEFORE ANY SUCH EXCESS MATERIAL IS DELIVERED TO SUCH PROPERTIES.



BENCHMARK

1. "□" on Top of Curb W. Side Storm Wash in Kellogg Median. 44' N. and 20' E. of NW Cor. Lot 1, New Western 4th Addition. Elev = 153.43 City Datum

INDEX

1. Title Sheet
2. Key Map
3,4. Inlet Standard Details
5. Plan & Profile
6. Final Plat - New Western 4th

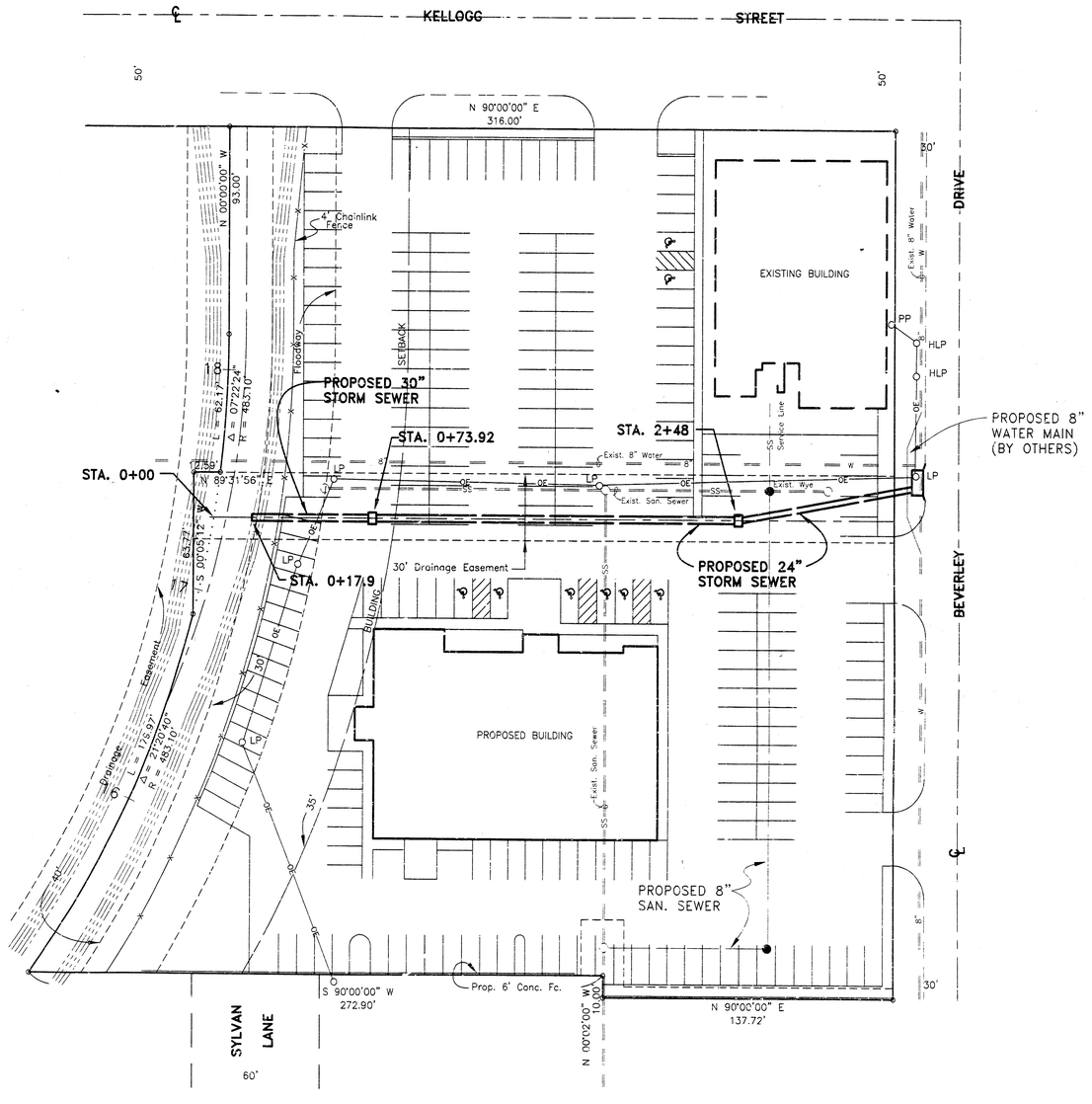
BOOKED
E-2
8/13/03
RDL

"AS-BUILT"

DON C. MOEHRING II
LICENSED
3463
PROFESSIONAL ENGINEER

MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA

N
W E
S
1" = 30'



" AS-BUILT "

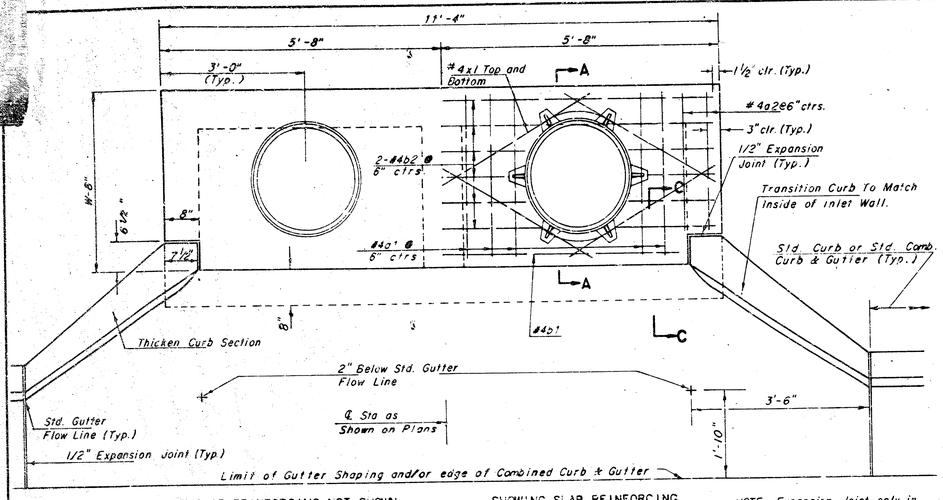
STORM SEWER KEY MAP

MOEHRING & ASSOCIATES
CONSULTING ENGINEERS – SURVEYORS
433 S. HYDRAULIC WICHITA, KS.
(316) 263-8291

PRIVATE PROJ. NO. 647PPS / INDEX NO. 607861

DATE: JULY 1996 SHEET 2

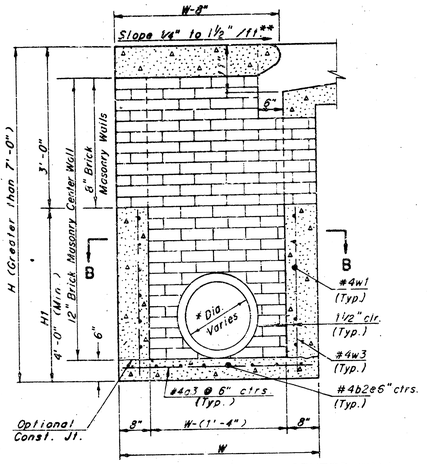
PROJECT NO.	SHEET NO.	TOTAL SHEETS



SLAB REINFORCING NOT SHOWN — SHOWING SLAB REINFORCING

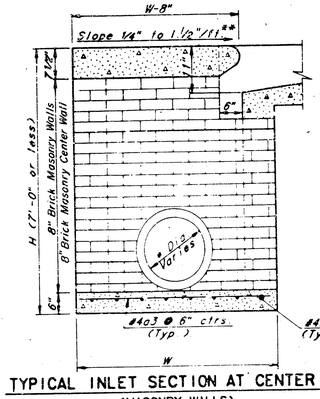
PLAN

NOTE Expansion Joint only in Curb Area with Conc. Pavement.



TYPICAL INLET SECTION AT CENTER WALL

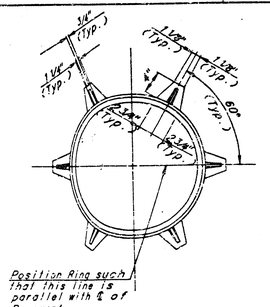
(REINFORCED CONCRETE WALLS)



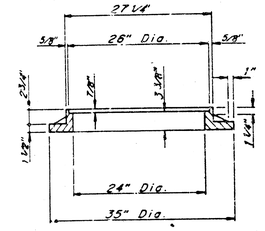
TYPICAL INLET SECTION AT CENTER WALL

(MASONRY WALLS)

* A center wall opening shall be provided by means of a section of reinforced concrete pipe. See Case I and Case II Below.



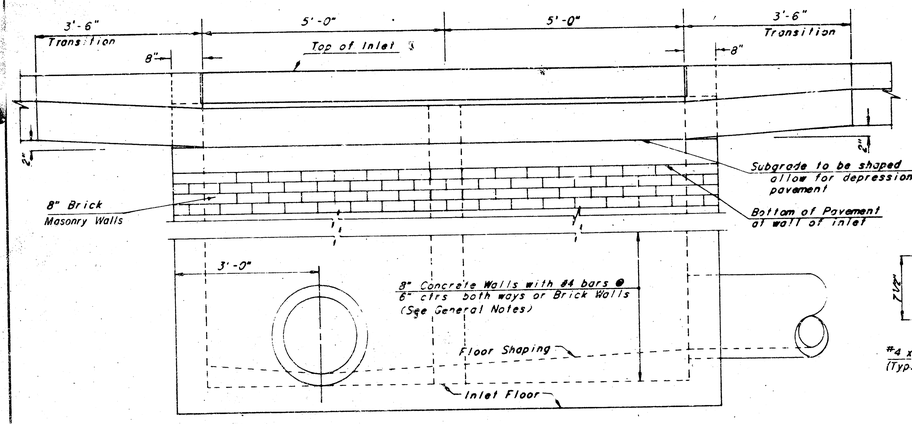
Position Ring such that this line is parallel with ℄ of Pavement



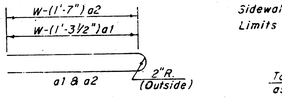
CAST IRON INLET RING

Wt.-180 lbs.

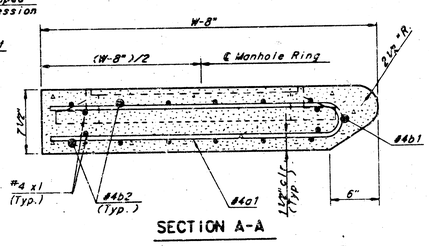
See City of Wichita Standard Manhole Frame and Cover Detail Sheet for Cover Details to be used with Inlet Frame.



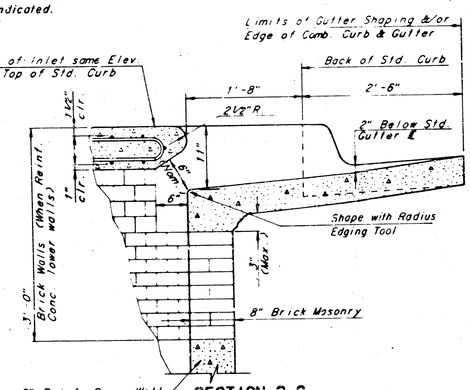
ELEVATION



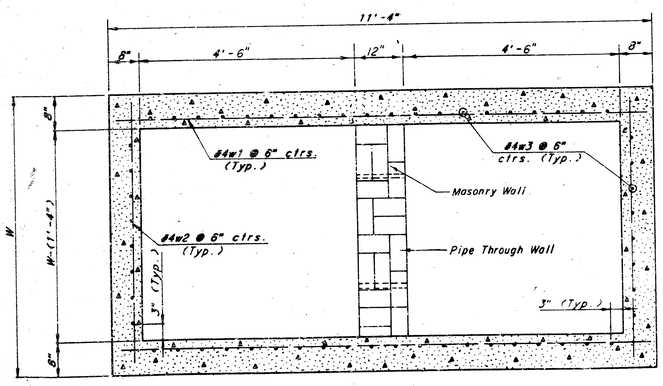
BENDING DIAGRAM



SECTION A-A



SECTION C-C



SECTION B-B

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'-7"	13	8'-7"	13	10'-7"	13	12'-7"	13	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	23	4'-1"	23	5'-1"	23	6'-1"	23	7'-1"	23	8'-1"
b1	#4	1	5'-9"	1	9'-5"	1	9'-9	1	9'-9"	1	9'-9"
*b2	#4	23	11'-1"	29	11'-1"	35	11'-1"	41	11'-1"	47	11'-1"
x1	#4	16	3'-10"	16	4'-2"	16	4'-6"	16	4'-10"	16	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	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	52	②	56	②	60	②	64	②	68	②

* Field bend or cut Reinforcing as required for clearance

① ½(H1-12") (H1-12") Rounded down to nearest 0.5'

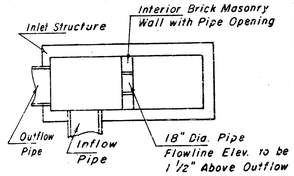
**NOTE: Slope of Inlet Tops to match Sidewalk or Parking Slopes within Limits indicated.

GENERAL NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W=6'-4" OR LESS AND H=7'-0" OR LESS. WHEN W IS GREATER THAN 6'-4" AND H IS LESS THAN 7'-0" THE OUTSIDE INLET WALLS BELOW THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION AND THE CENTER WALL SHALL BE OF MASONRY CONSTRUCTION AS SHOWN FOR THE MASONRY WALL OPTION.
2. 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.
3. 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.
4. INLET TOP REINFORCING SHALL BE SPACED ON 8" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB. BARS IN INLET TOP TO BE FIELD BENT OR CUT TO CLEAR MANHOLE RING.
5. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

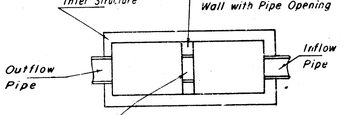
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	SIDE OR INTERIOR WALL PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8" x 11'-4" x 7 1/2"	21" & SMALLER	0.83 ±
5'-4"	4'-8" x 11'-4" x 7 1/2"	24" & 30"	1.09 ±
6'-4"	5'-8" x 11'-4" x 7 1/2"	36" & 42"	1.35 ±
7'-4"	6'-8" x 11'-4" x 7 1/2"	48" & 54"	1.61 ±
8'-4"	7'-8" x 11'-4" x 7 1/2"	60" & 66"	1.87 ±

CASE I



CASE II

NOTE Center Wall Pipe Size shall be as Specified in Inlet Construction Note on the Plan/Profile Sheets for those Cases not shown here.



Pipe Size to be the same as Outlet Pipe Size. Flowline Elev. to be Average of Lowest Inflow Pipe Elev. and Outflow Pipe Elev.

STANDARD TYPE 1A CURB INLET

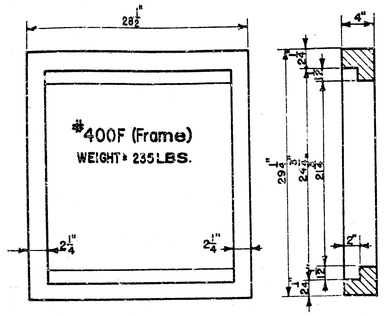
INLET OPENING = 6" x 10'-0"

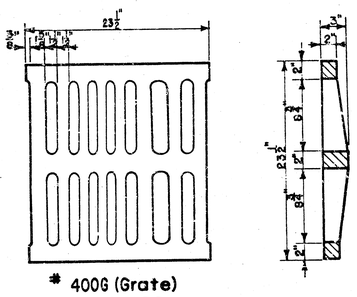
SHEET 3 OF 5

WICHITA, KANSAS

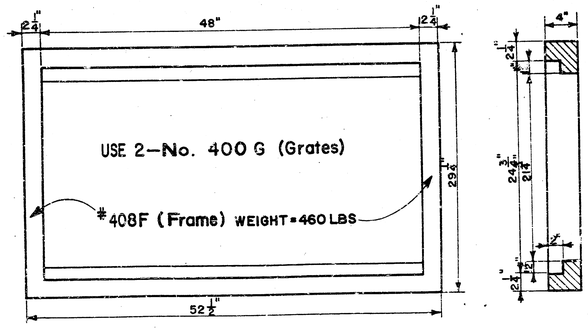
Drawn on by RFD K/C MAR — Checked by MAR

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.

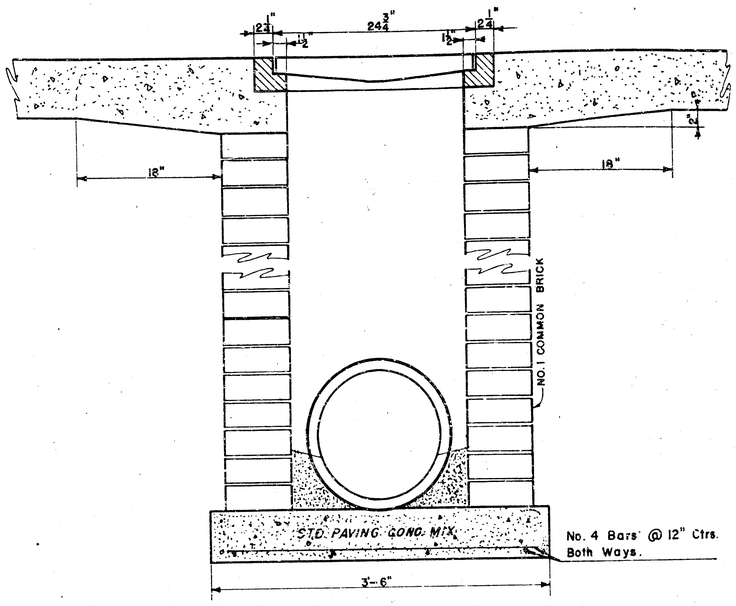


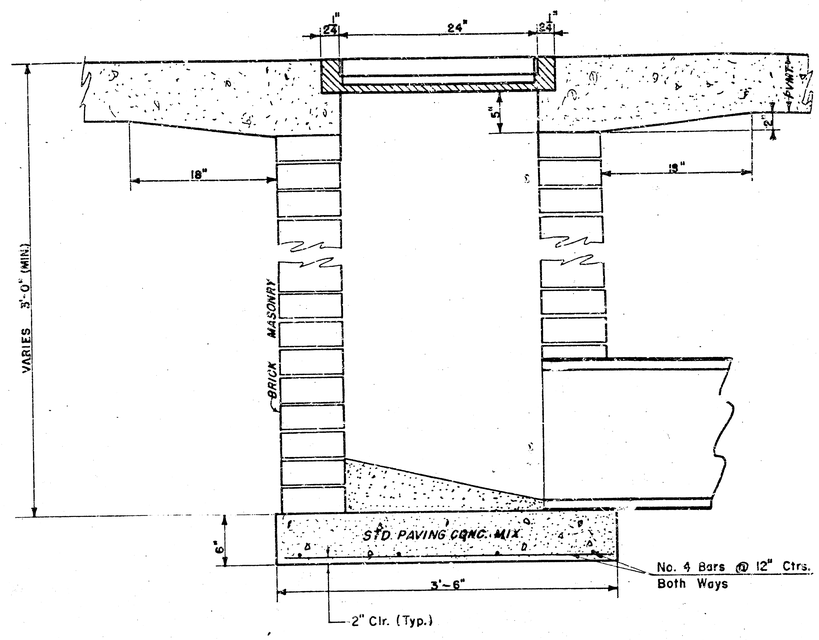


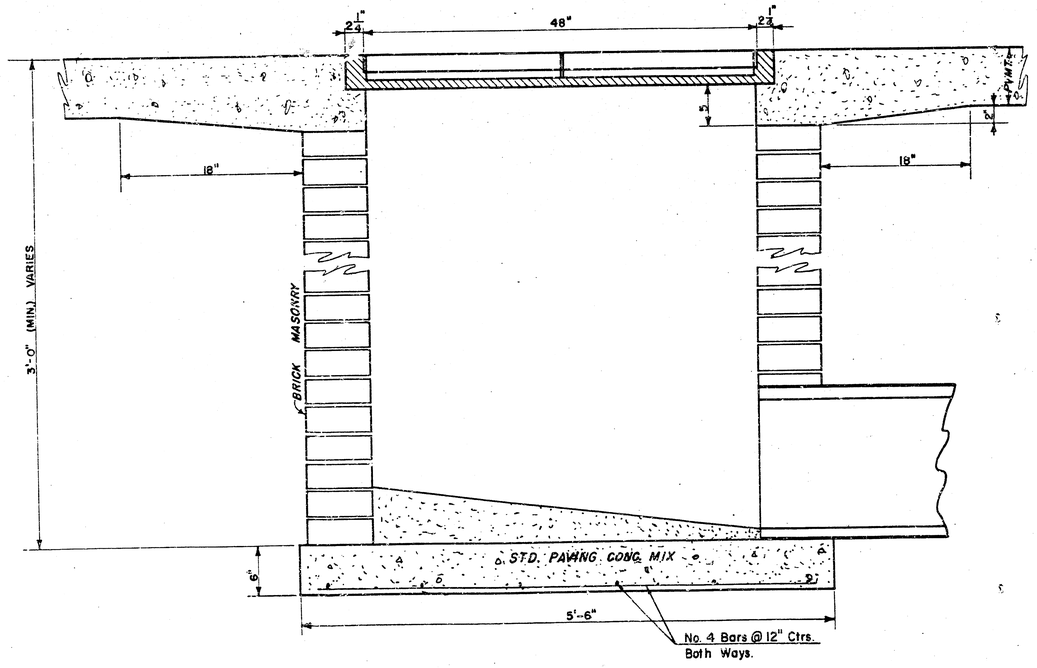
24"x24" Frame & Grate Detail



Double 24"x24" Frame Detail



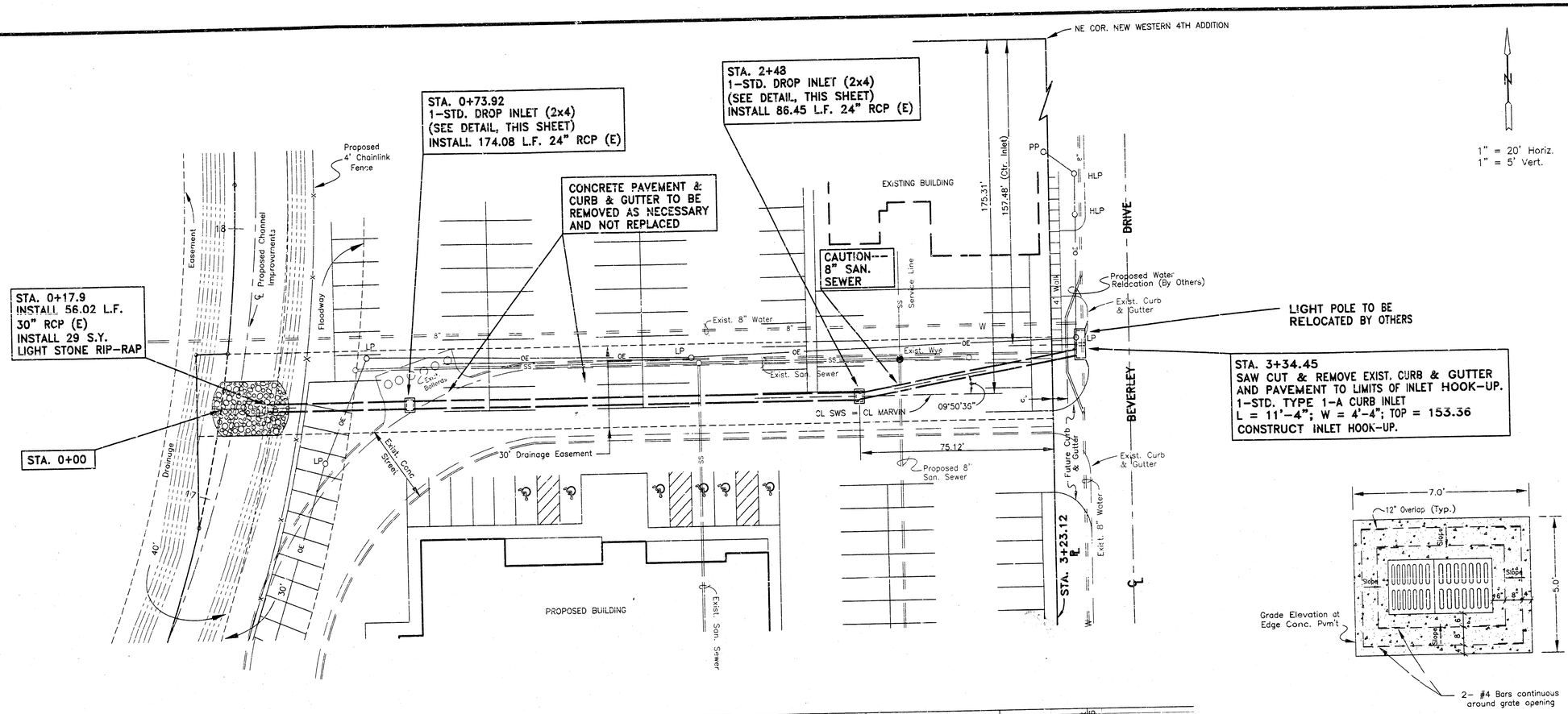




SHEET 4 OF 5

DROP INLET DETAILS

M.E. Lindebak, City Engineer
City of Wichita, Kansas
Project
Project No.
Date:
Scale: 1-1/2" = 1'-0"



"AS-BUILT"

STORM SEWER PLAN & PROFILE

MOEHRING & ASSOCIATES
CONSULTING ENGINEERS – SURVEYORS
433 S. HYDRAULIC WICHITA, KS.
(316) 263-8291

PRIVATE PROJ. NO. 647PPS / INDEX NO. 607861

DATE: JULY 1996 SHEET

NEW WESTERN 4TH ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

State of Kansas) SS
Sedgwick County)

We, Baughman Company, P.A., Surveyors in aforesaid County and State do hereby certify that we have surveyed and platted "NEW WESTERN 4TH ADDITION", Wichita, Sedgwick County, Kansas and that the accompanying plat is a true and correct exhibit of the property surveyed, described as and being a replat of Lot 1, New Western 3rd Addition, Wichita, Sedgwick County, Kansas, and a portion of Sylvan Lane, part of Block 3, Beverley Manor, Sedgwick County, Kansas, part of Reserve "A", Cain and Smith's Replat of a part of Block 3 in Beverley Manor, Sedgwick County, Kansas, and a part of Lot 10, Replat of a portion of Block Three of Beverley Manor to Wichita, Sedgwick County, Kansas further described as Commencing at the SE. Corner of Lot 10 in said Replat of a portion of Block Three of Beverley Manor to Wichita, Sedgwick County, Kansas; thence north along the east line of said Lot 10, 10 feet for a point of beginning; thence west parallel with the south line of said Lot 10 and extended west to a point on the centerline of a 40 foot drainage easement as recorded in Misc. Book 167, Page 134 and in Misc. Book 167, Page 132; thence northeasterly along the centerline of said drainage easement to the S.W. Corner of Lot 1, New Western 3rd Addition, Wichita, Kansas; thence east along the south line of said Lot 1, 240.51 feet to a deflection corner in the south line of said Lot 1; thence south 50 feet to the point of beginning.

All being situated in the NW1/4 of Sec. 25, Twp. 27-S, R-1-E of the 6th P.M., Sedgwick County, Kansas.

Existing public dedications and easements being vacated by virtue of K.S.A. 12-512(b).

Baughman Company, P.A.

Steven L. Willett LS-955 8/14/1995 Surveyor
Steven L. Willett

STEVEN L. WILLETT REGISTERED LAND SURVEYOR KANSAS LS-955

Know all men by these presents that we, the undersigned have caused the land in the surveyors certificate to be platted into a Lot, to be known as "NEW WESTERN 4TH ADDITION", Wichita, Sedgwick County, Kansas. The utility easements are hereby granted as indicated for the construction and maintenance of all public utilities. The drainage and utility easement is hereby granted as indicated for drainage purposes and for the construction and maintenance of all public utilities. All abutters rights of access to or from Kellogg Street over and across the north line of Lot 1 are hereby granted to the City of Wichita, Kansas provided, however, that Lot 1 shall have access to Kellogg Street at two locations as shall be determined by the City Engineer of the City of Wichita, Kansas. All abutters rights of access to or from Beverley Drive over and across the east line of Lot 1 and to or from Sylvan Lane over and across the south line of Lot 1 are hereby granted to the City of Wichita, Kansas provided, however, that Lot 1 shall have access to Beverley Drive at two locations over all except the south 60 feet of the east line of Lot 1 as shall be determined by the City Engineer of the City of Wichita, Kansas. No new building shall be constructed below a minimum building pad elevation of 1343.0 Mean Sea Level (155.60 City Datum). The floodway shall be the responsibility of the owner of Lot 1, until such time as the appropriate governing body elects to assume the responsibility for the maintenance and improvement of the drainage. No buildings shall be constructed on or within said floodway, nor shall any fill, change of grade, creation of a channel or other work be carried on without the permission of said appropriate governing body. additional improvements and/or activities may be permitted within said floodway, such as landscaping, and parking is permitted within said floodway.

New Western L.C.

Lindy Andeel, Member

Lindy Andeel

State of Kansas) SS
Sedgwick County)

The foregoing instrument acknowledged before me, this 15th day of August, 1995, by Lindy Andeel, Member, New Western L.C., on behalf of the company.

Carmen A. Erkbok Notary Public
CARMEN A. ERKBOK

My App't. Exp. Sept 10, 1997

State of Kansas) SS
Sedgwick County)

The foregoing instrument acknowledged before me, this 15th day of August, 1995, by Lindy Andeel, a single person.

Carmen A. Erkbok Notary Public
CARMEN A. ERKBOK

My App't. Exp. Sept 10, 1997

20.00 ck

We, the undersigned, holders of mortgages on the above described property do hereby consent to the plat of "NEW WESTERN 4TH ADDITION", Wichita, Sedgwick County, Kansas.

Southwest National Bank of Wichita

John W. Long, VICE-PRESIDENT
JOHN W. LONG (Title)

State of Kansas) SS
Sedgwick County)

The foregoing instrument acknowledged before me, this 15 day of August, 1995, by John W. Long, VICE-PRESIDENT (Title) of Southwest National Bank of Wichita, on behalf of the bank.

Moira Vanlandingham Notary Public
MOIRA VANLANDINGHAM

My App't. Exp. 10/21/97

This plat of "NEW WESTERN 4TH ADDITION", Wichita, Sedgwick County, Kansas has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 25th day of May, 1995.

Wichita-Sedgwick County Metropolitan Area Planning Commission

John W. McKay, Jr. Chairman
John W. McKay, Jr.

Marvin S. Krout Secretary
Marvin S. Krout

This plat approved and all dedications shown hereon accepted by the City Council of the City of Wichita, Kansas, this 29th day of August, 1995.

Bob Knight Mayor
Bob Knight

Pat Burnett Deputy City Clerk
Pat Burnett

Entered on transfer record this 19th day of September, 1995.

Susan E. Crockett-Spoon County Clerk
Susan E. Crockett-Spoon

State of Kansas) SS
Sedgwick County)

This is to certify that this plat has been filed for record in the office of the Register of Deeds, this 19th day of September, 1995, at 3 o'clock P.M. and is duly recorded.

1478811

Pat Kettler Register of Deeds
Pat Kettler by Ed Resa

Ed Resa Deputy
Ed Resa

SCALE
1" = 30'

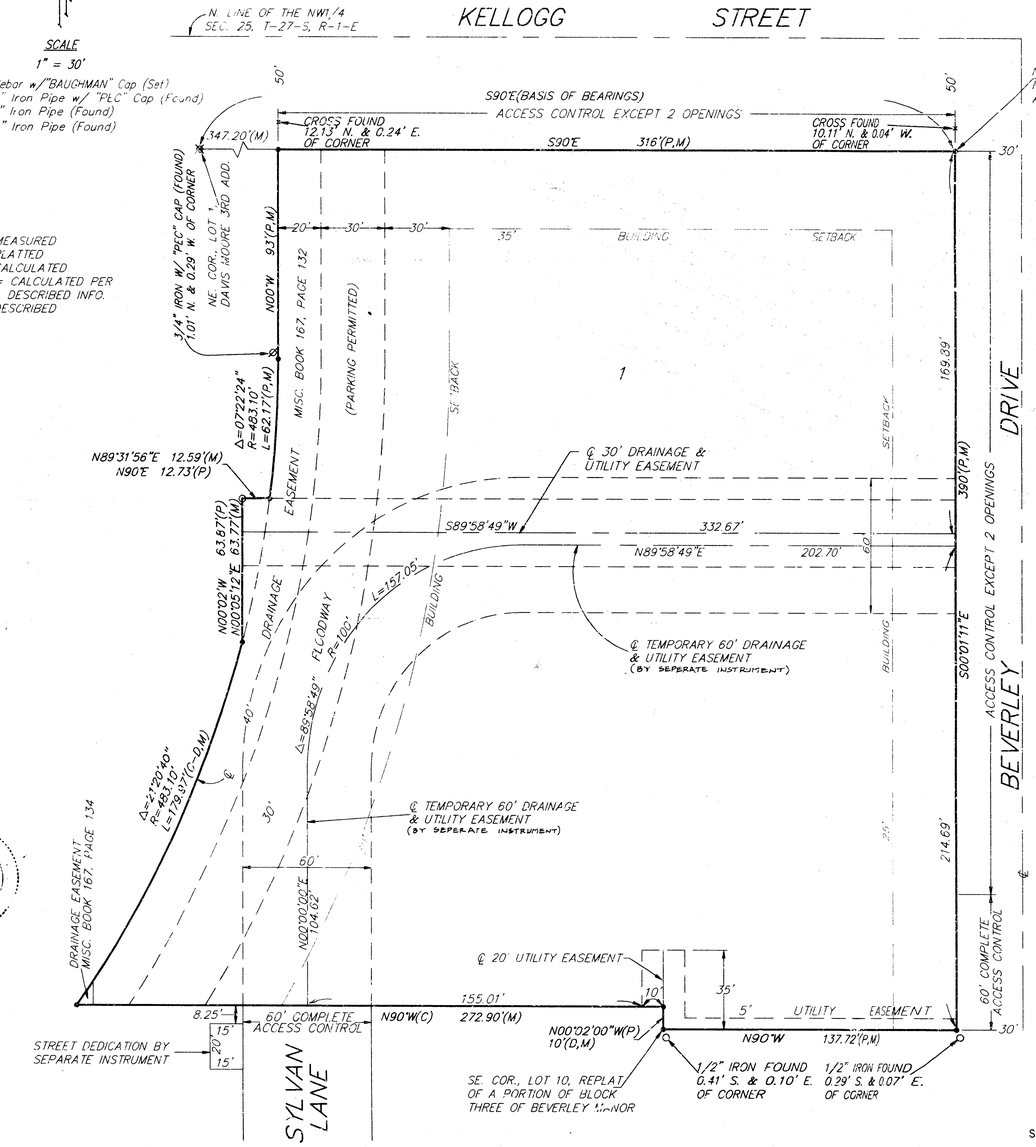
• = #4 Rebar w/"BAUGHMAN" Cap (Set)
Ø = 3/4" Iron Pipe w/ "PLC" Cap (Found)
O = 1/2" Iron Pipe (Found)
⊠ = 3/4" Iron Pipe (Found)

(M) = MEASURED
(P) = PLATTED
(C) = CALCULATED
(C-D) = CALCULATED PER DESCRIBED INFO.
(D) = DESCRIBED

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING OF STRUCTURE

Lot	Elevation	
	City Datum	M.S.L.
1	155.60	1343.00

BENCH MARK: City disc located on the N.E. Corner of RCBC at Pinecrest & Orme. Elev. = 151.61 (City Datum) 1339.01 (MSL)



14-5-5-