STORM WATER SEWER TO SERVE

L.R. Jones Third Addition

LOT 1

Private Project Number

961 PPS (607861)

CITY OF WICHITA, KANSAS

Michael E. Lindebak, P.E. City Engineer

January 2000

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Title Sheet	1
Plan/Profile Sheet	2
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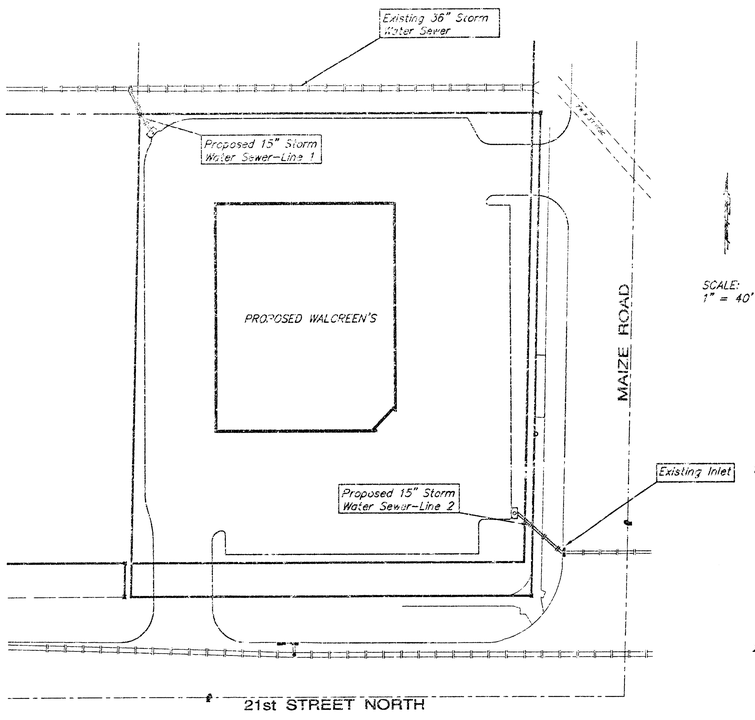
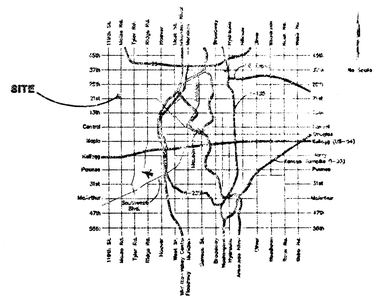


Location Map



General Notes

1. Contractor will be required to provide notice to utility companies a minimum of forty-eight (48) hours prior to any excavation, as follows:

   Kansas One-Call 687-2470

   The Contractor must notify the following in case of an emergency:

MultiMedia Cablevision	262-4270
Kansas Gas Service Company	383-8600
Kansas Gas & Electric Company	383-8650
Peoples Gas Company	942-7600
Southwestern Bell Telephone Company	1-571-2611
City of Wichita Water Department	268-4903
City of Wichita Sewer Department	268-4071

2. Utility service lines, poles, valve boxes, meters, et cetera are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans represent the best information obtainable for design and shall be field verified. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

3. Trees and 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 and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

4. Contractor shall not start work on the project until the project inspector is assigned to the project and is present on the site. Any work done without inspection will be required to be uncovered for inspection.

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 disposed of 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 Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archaeological investigations unless buried in a previously approved borrow location.

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Storm Sewers VRH 1/7/2000

NOTE TO CONTRACTORS

Installation, inspection and testing for the waterline is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said Inspection 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 public right-of-way by the Contractor without such inspection nor shall any work be commenced without written authorization by the City Engineer. All Construction and Materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).

Legal Description

The East 248.60 feet of Lot 1, Block A, L.R. Jones Third Addition, Sedgwick County, Kansas.

Benchmark:

City of Wichita Disc 64' East and 99' South of SE Corner 21st Street and Maize Road.

Elevation: 164.30 City Datum

As Built 7/00 KK

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

LEGAL DESCRIPTION:

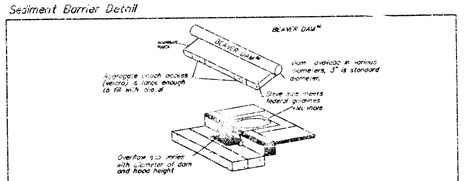
The East 218.60 feet of Lot 1, Block A, L.R. Jones Third Addition, Sedgwick County, Kansas.

BENCHMARK:

City of Wichita Disc 64' East and 59' South of SE Corner 21st Street and Maize Road

Elevation: 164.30 City Datum

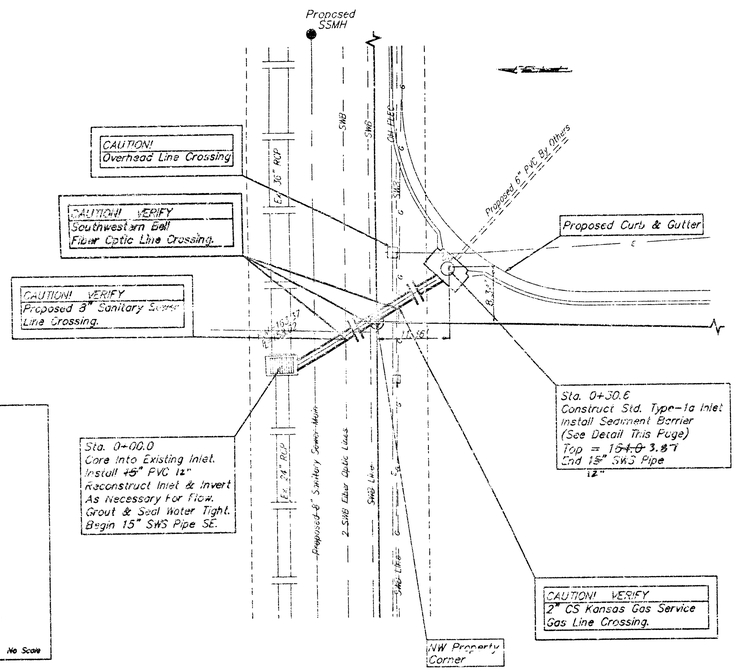
Sediment Barrier Detail

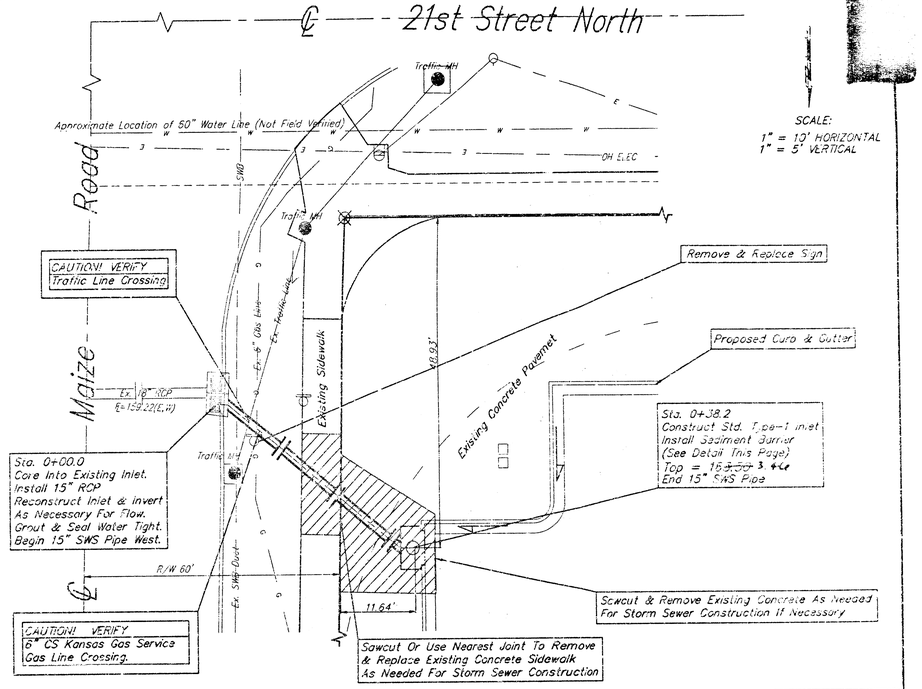


CURB INLET PROTECTION
DANDY PRODUCTS – BEAVER DAM

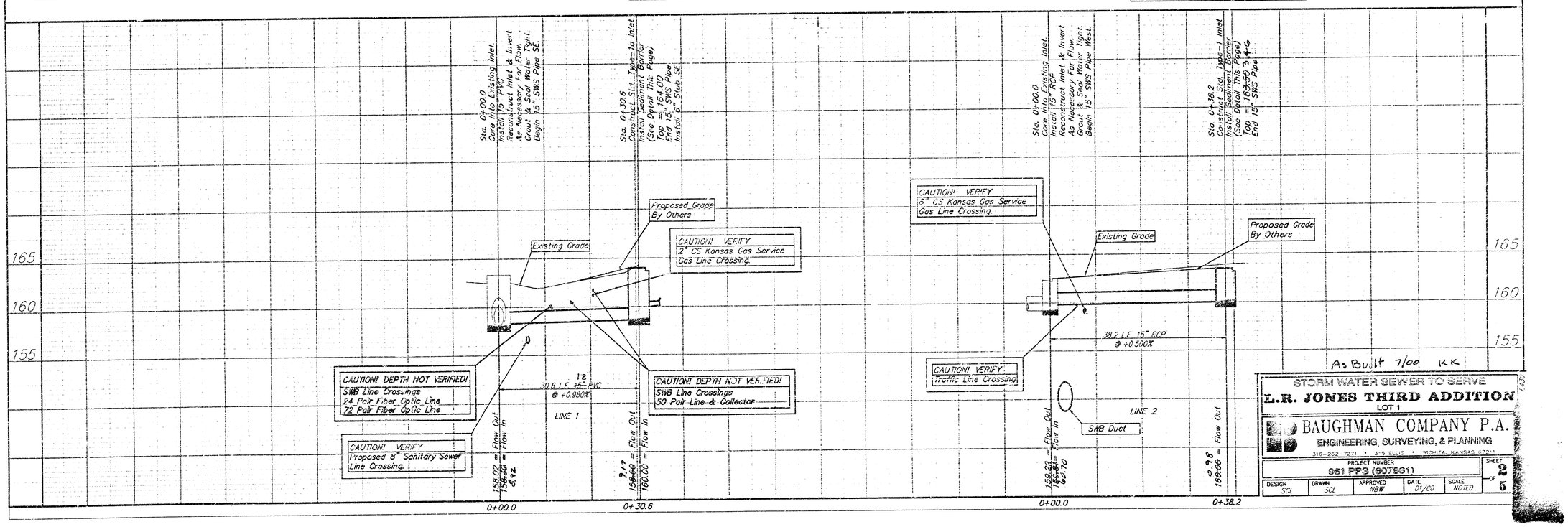
Note: A substitute to the "Dandy Bags" or Inc "Beaver Dam" must be comparable and approved by the engineer in charge. For more information on the "Dandy Bag" and the "Beaver Dam" call Hendrith Brothers, Inc., Suppliers of Dandy Products at 1-800-591-2284. Dandy Products or alternative to be paid per each as Sediment Barriers.

No Scale





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

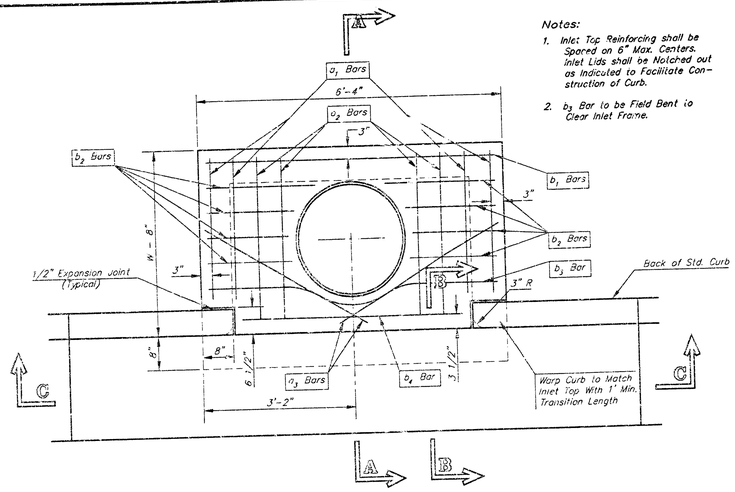


As Built 7/00 KK

STORM WATER SEWER TO SERVE
L.R. JONES THIRD ADDITION
LOT 1

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 313 ELLIS • WICHITA, KANSAS 67211

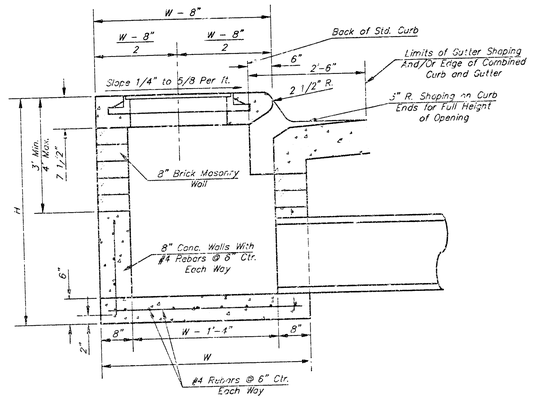
PROJECT NUMBER					SHEET
961 PPS (907681)					2 OF 5
DESIGN	DRAWN	APPROVED	DATE	SCALE	
SCL	SCL	NBW	01/00	NOTED	



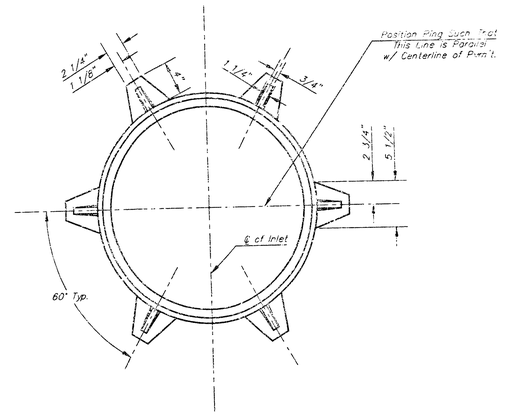
Notes:

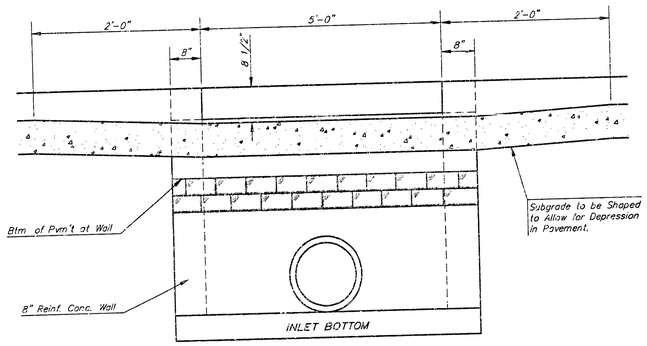
1. Inlet Top Reinforcing shall be Spaced on 6" Max. Centers. Inlet Lids shall be Notched out as Indicated to Facilitate Construction of Curb.
2. b_3 Bar to be Field Bent to Clear Inlet Frame.

PLAN

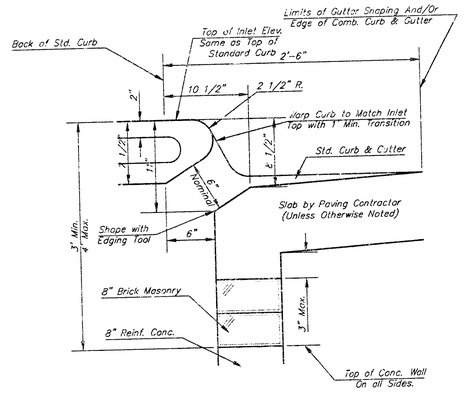


SECTION A–A

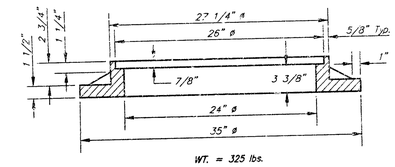




SECTION C–C



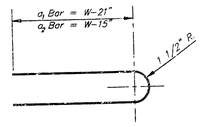
SECTION B–B



WT. = 325 lbs.

MANHOLE RING AND COVER

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



BENDING DIAGRAM

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	#4	#4	#4	#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"	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±

GENERAL NOTES

1. 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.
2. 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.
3. 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.
4. The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall.

Revised – Dec. 21, 1984

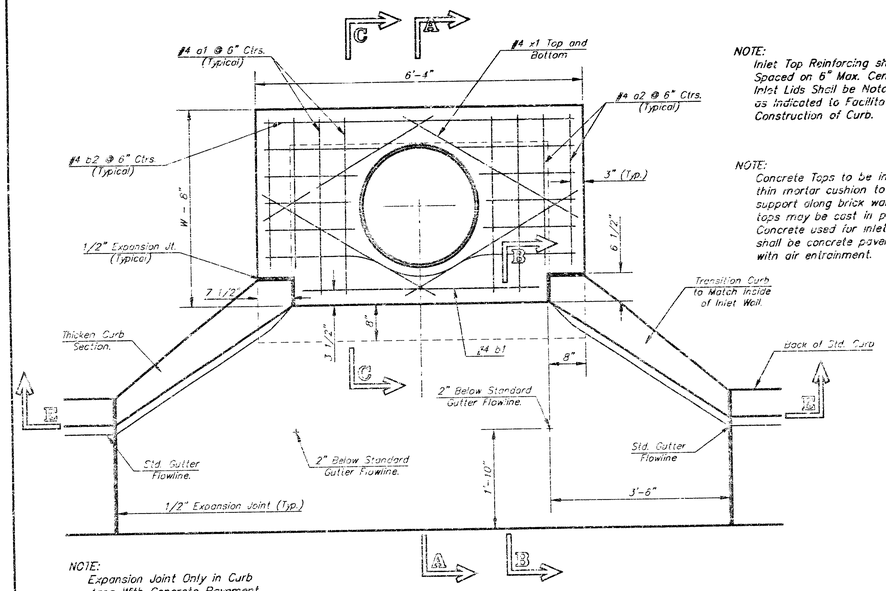
CITY OF WICHITA, KANSAS

TYPE 1 CURB INLET

INLET OPENING = 5'X5'-0"

BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER				SHEET
961 PPS (307881)				3 OF 5
DESIGN C.O.W.	DRAWN STAFF	APPROVED	DATE 12/18/98	SCALE NONE

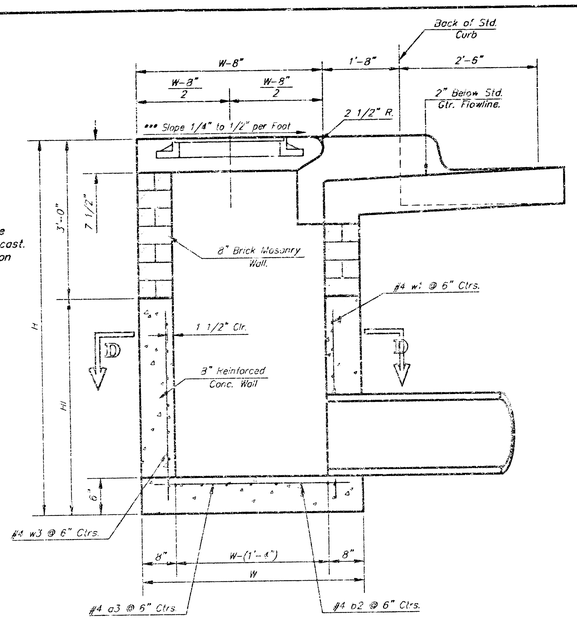


NOTE:
Expansion Joint Only in Curb Area With Concrete Pavement.

PLAN

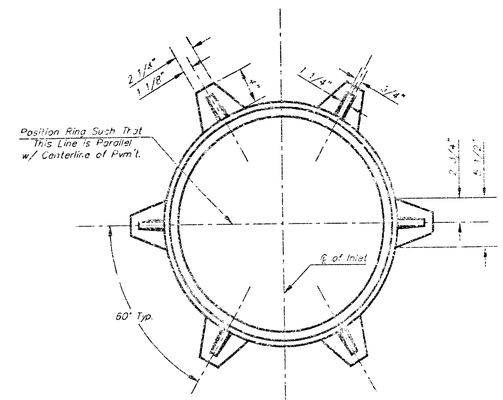
NOTE:
Inlet Top Reinforcing shall be Spaced on 6" Max. Centers. Inlet Lids Shall be Notched Out as Indicated to Facilitate Construction of Curb.

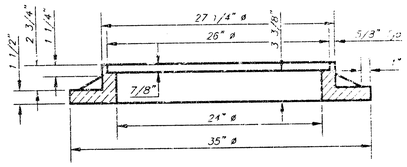
NOTE:
Concrete Tops to be installed on thin mortar cushion to insure full support along brick walls. Concrete tops may be cast in place or precast. Concrete used for inlet construction shall be concrete pavement mix with air entrainment.



SECTION A–A

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

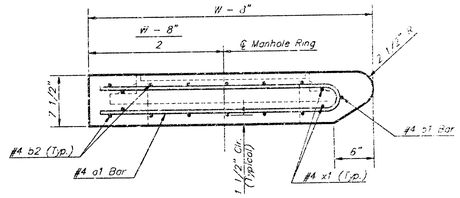




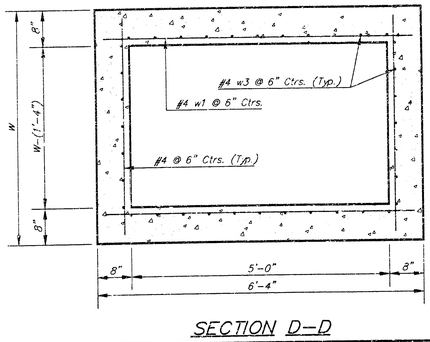
MANHOLE RING AND COVER

Weight = 180 Lbs.

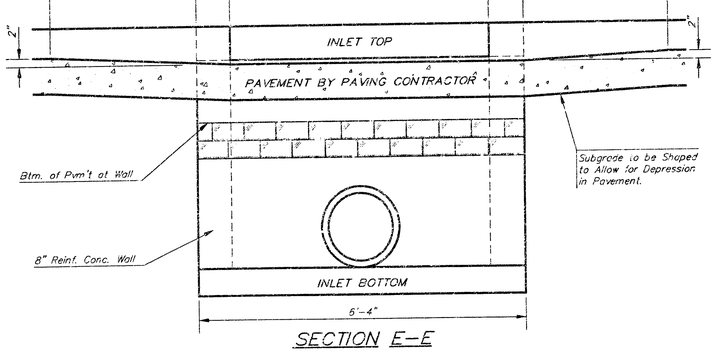
*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.



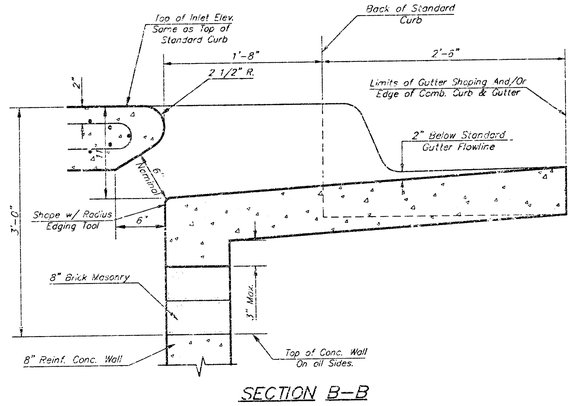
SECTION A–A



SECTION D–D



SECTION E–E



SECTION B–B

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 B 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

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"	6	8'-7"	6	10'-7"	6	12'-7"	6	14'-7"
c2	#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"
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"
x1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"	8	5'-2"

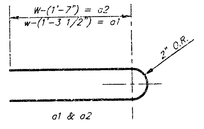
WALL REINFORCING

		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
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 (HI – 12") (HI – 21") Rounded down to nearest 0.5'

② HI – 3"



BENDING DIAGRAM

STANDARD CURB INLET PRECAST TOPS

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
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Revised – Feb. 15, 1989

CITY OF WICHITA STANDARD TYPE 1A

Curb Inlet Details

INLET OPENING = 6" X 5'-0"

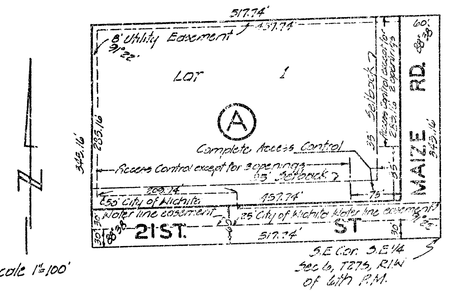
BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER 961 PPS (607861) SHEET 4 OF 5

DESIGN	DRAWN	APPROVED	DATE	SCALE
C.O.W.	Staff		11-30-98	None

L. R. JONES THIRD ADDITION

SEDGWICK COUNTY, KANSAS.



Scale 1"=100'

State of Kansas
County of Sedgwick } S.S.

I, Don C. Moehring C.E. a Civil Engineer in said State and County do hereby certify that I have surveyed and platted L.R. JONES THIRD ADDITION, Sedgwick County, Kansas, into a Lot, a Block, a Street and a Road the same being accurately set forth in the accompanying plat and described as: A tract of land in the S.E.1/4 of Section 6, Township 27, South Range 1 West of the 6th P.M., beginning at the S.E. Corner of the S.E.1/4 of Section 6, Township 27, South, Range 1 West of the 6th P.M. thence West along the South line of said Section 6, a distance of 517.74' feet; thence North parallel with the East line of Section 6, a distance of 345.16' feet; thence East a distance of 517.74' feet to a point in the East line of the S.E.1/4 of said Section 6; thence South 345.16' feet to the point of beginning.

Don C. Moehring C.E.
DON C. MOEHRING C.E. CONSULTING CIVIL ENGINEER

Know all men by these presents that we the undersigned property owners of the land as above set forth in the Civil Engineer's Certificate have caused the same to be surveyed and platted into a Lot a Block, a Street and a Road the same to be known as L.R. JONES THIRD ADDITION Sedgwick County, Kansas. The street and the road are hereby dedicated to and for the use of the public; easements as indicated for the construction and maintenance of public utilities, are hereby granted. The water line easement as indicated on the face of the plat is dedicated to the City of Wichita.

All abutters rights of access to or from Maize Rd. and 21st Street, over and across the East and South sides of Lot 1 Block A, are hereby granted to the public provided however that Lot 1 Block A, shall have access to Maize Rd. at two locations and access to 21st Street at three locations as may be established by the appropriate governing body.

Geneva G. Jones Lloyd R. Jones

State of Kansas
County of Sedgwick } S.S.

Be it remembered that on this 15 day of February 1966, before me, a Notary Public in and for said State and County came Lloyd R. Jones and Geneva G. Jones his wife, to me personally known to be the same persons who executed the foregoing instrument of writing and duly acknowledged the same as their voluntary act and deed.

Ambrose G. Prenger Notary Public.

My commission expires: 12-18-66

This plat of L. R. JONES THIRD ADDITION Sedgwick County, Kansas has been approved by The Wichita-Sedgwick County, Metropolitan Area Planning Commission, Wichita, Kansas and is hereby transmitted to the Board of Commissioners of the City of Wichita, Kansas with the recommendation that such plat be approved as proposed. Dated this 20th day of January 1966. The Wichita-Sedgwick County Metropolitan Area Planning Commission.

[signature], Chairman
C. Bickley Foster, Secretary

Approved by the Board of City Commissioners this 22nd day of March 1966.

[signature], Mayor
[signature], City Clerk

Approved by the Board of County Commissioners this [illegible] day of [illegible] 1966

[signature], Chairman.
[signature], Commissioner
[signature], Commissioner
[signature], County Clerk

Entered on tranfer record this 8th day of [illegible] 1966.

[signature], County Clerk

We The Wichita Perpetual Building and Loan Association, Wichita, Kansas mortgagee on part of the above described property, do hereby consent to the plat of L.R. JONES THIRD ADDITION to Wichita, Sedgwick County, Kansas.

[signature] Executive Vice President
[signature] Asst. Secretary

State of Kansas
County of Sedgwick } S.S.

Be it remembered that on this 17 day of December 1965, before me, a Notary Public in and for said State and County came Lewis Dannar Executive Vice President, and G. B. Hollinger, Assistant Secretary of The Wichita Perpetual Building and Loan Association, Wichita, Kansas, to me personally know to be the same persons who executed the foregoing instrument of writing and duly acknowledged the same as their voluntary act and deed and the voluntary act and deed of said Association.

Marie Welsh Notary Public

My commission expires: October 31, 1968

State of Kansas
County of Sedgwick

This is to certify that this instrument was filed for record in the Register of Deeds office this 8th day of July 1966, at 4:30 o'clock P. M. and is duly recorded.

Rufus E. Deering, Register of Deeds
Pearl Dillard, Deputy

18 02 03 08