PRIVATE STORM WATER SEWER TO SERVE
LOT 1, TIMBER RIDGE 3rd ADDITION
CITY OF WICHITA, KANSAS

Michael E. Lindebak, P.E. City Engineer

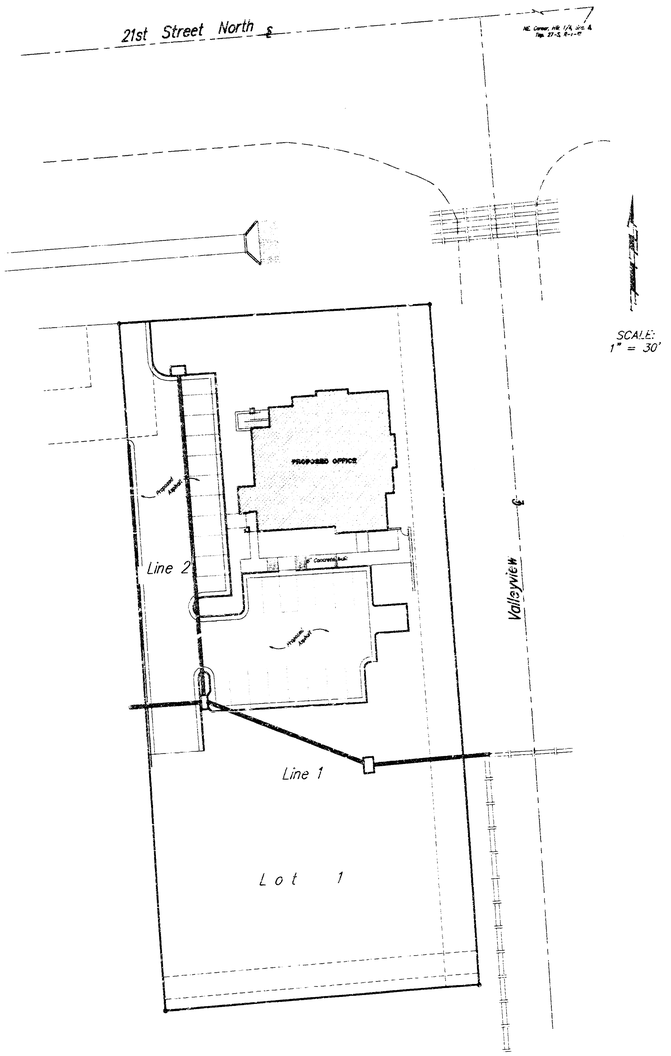
Private Project Number

851 PPS (607881)

OCTOBER, 1998

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Plan / Profile	2
Curb Inlet Detail	3
Drop Inlet Detail	4
Double Faced Inlet Detail	5
Copy Of Plat	6



General Notes:

1. Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:

   Kansas One-Call 687-2470

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

Cablevision	262-4270
or	263-2061
Kansas Gas Service Company	832-3121
Kansas Gas & Electric Company	261-6512
Peoples Nat. Gas Company	942-9811
Southwestern Bell Telephone Company	268-2245
City of Wichita Water Department	263-4908
City of Wichita Sewer Maintenance	268-4071

2. Utility service lines, poles, valve boxes, meters, and etcetera 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. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

3. 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 stockpiles or disposed of in a flood plain would 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.

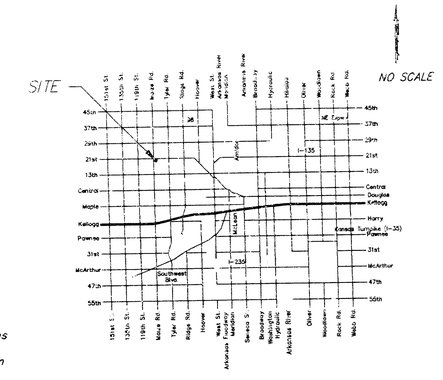
4. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state law.

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Storm Sewers VRH 10/1/98

NOTE TO CONTRACTORS

installation, inspection and testing for this project 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).



Vicinity Map:

Legal Description:

LOT 1, TIMBER RIDGE 3RD ADDITION, WICHITA, SEDGWICK COUNTY, KANSAS

BOOKED 6-7-00 MC6 D-463

Benchmarks:

CITY OF WICHITA DISC LOCATED ON TOP OF CURB ON WEST END OF MEDIAN, 61' EAST OF MAIZE ROAD & STERLING STREET INTERSECTION.
ELEVATION = 166.17 CITY DATUM

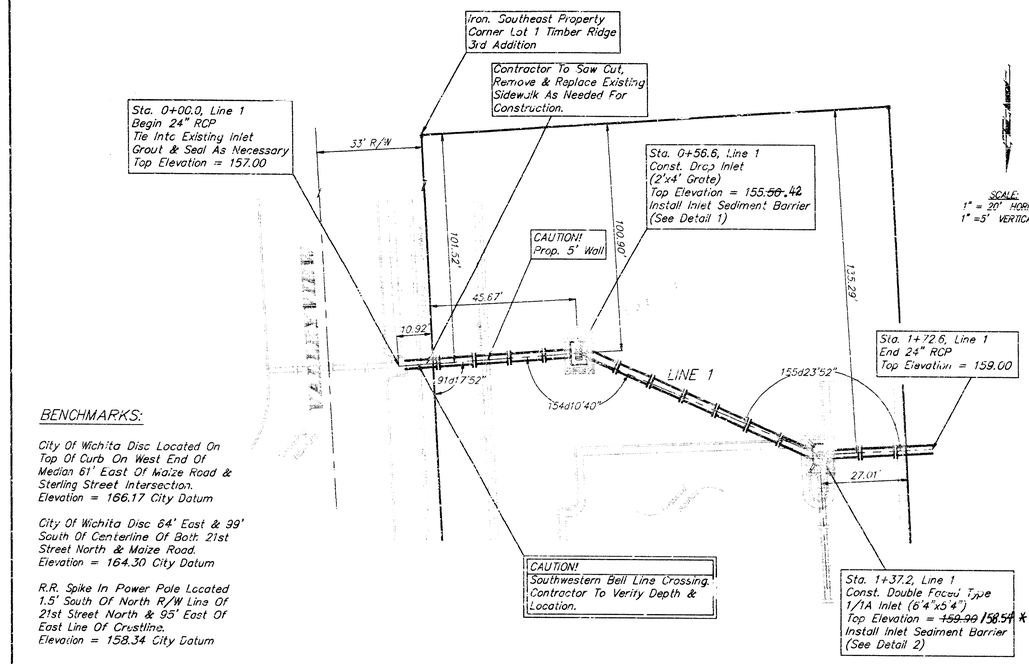
CITY OF WICHITA DISC 64' EAST & 99' SOUTH OF CENTERLINE OF BOTH 21st STREET NORTH & MAIZE ROAD.
ELEVATION = 164.30 CITY DATUM

R.R. SPIKE IN POWER POLE LOCATED 1.5' SOUTH OF NORTH R/W LINE OF 21st STREET NORTH & 95' EAST OF EAST LINE OF CRESTLINE.
ELEVATION = 158.34 CITY DATUM

10-1-98

PROJECT INSPECTED BY BAUGHMAN CO.
ASBUILT 11/99 TDG

BAUGHMAN COMPANY P. A.
ENGINEERING, SURVEYING, & PLANNING
316-262-1271 • 315 ELLIS • WICHITA, KANSAS 67211

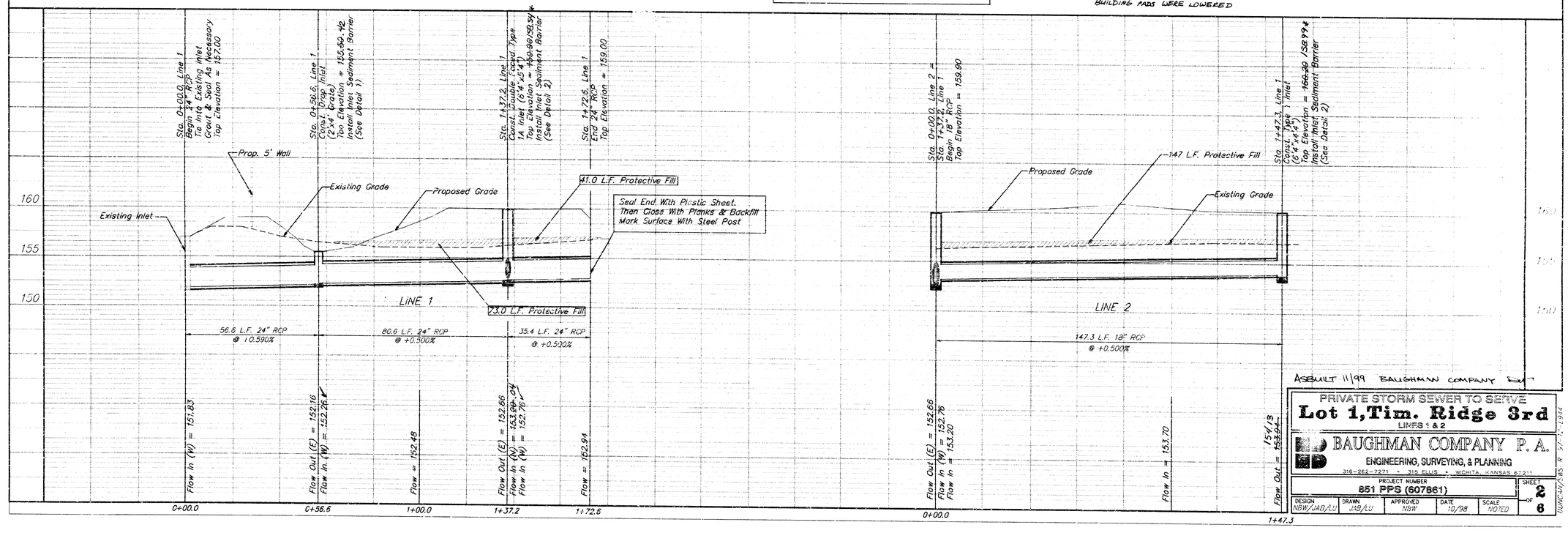


BENCHMARKS:

City Of Wichita Disc Located On Top Of Curb On West End Of Median 61' East Of Maize Road & Sterling Street Intersection.
Elevation = 166.17 City Datum

City Of Wichita Disc 64' East & 39' South Of Centerline Of Both 21st Street North & Maize Road.
Elevation = 164.30 City Datum

R.R. Spike In Power Pole Located 1.5' South Of North R/W Line Of 21st Street North & 95' East Of East Line Of Crustline.
Elevation = 158.34 City Datum



ASBUILT 11/99 BAUGHMAN COMPANY P.A.

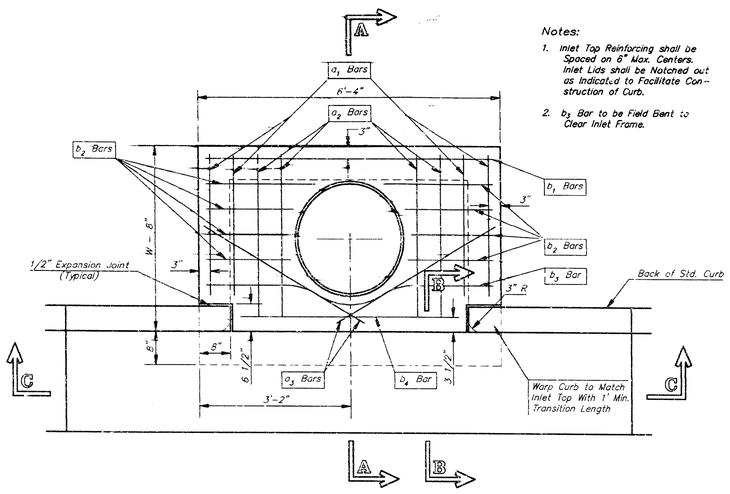
PRIVATE STORM SEWER TO SERVE
Lot 1, Tim. Ridge 3rd
LINES 1 & 2

BAUGHMAN COMPANY P. A.
ENGINEERING, SURVEYING, & PLANNING
316-262-2221 • 315 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER	SHEET
851 PPS (607861)	2 OF 6

DESIGN	DRAWN	APPROVED	DATE	SCALE
NBW/JAB/JU	JAB/JU	NBW	10/98	NOTED

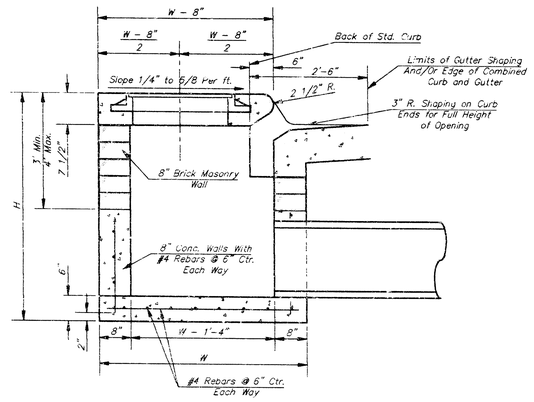
DUNCAN/MS R 97 1944



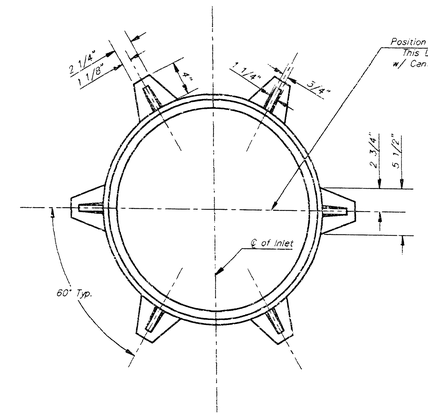
PLAN

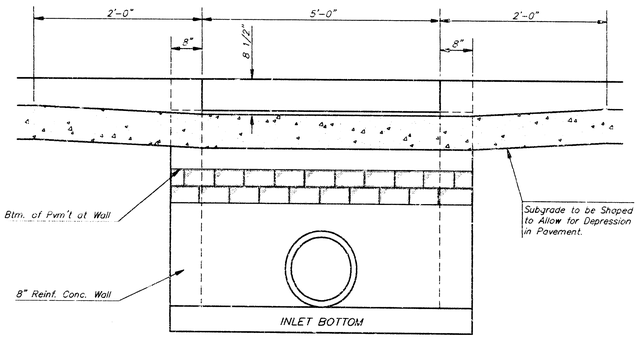
Notes:

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.

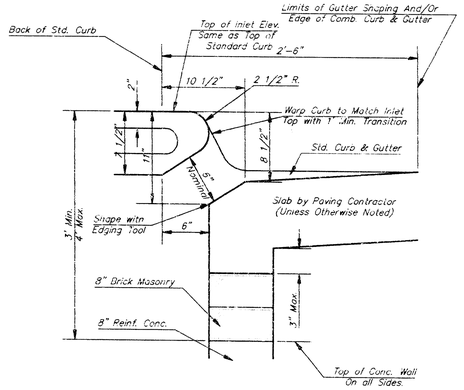


SECTION A–A

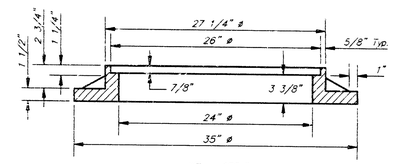




SECTION C–C



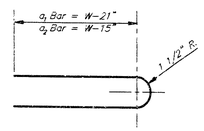
SECTION B–B



WT. = 180 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.

CITY OF WICHITA, KANSAS

TYPE 1 CURB INLET

INLET OPENING = 8'X5'-0"

BAUGHMAN COMPANY P. A.

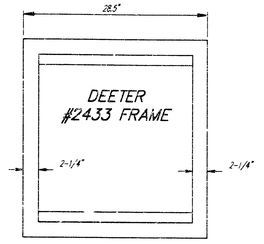
ENGINEERING, SURVEYING, & PLANNING

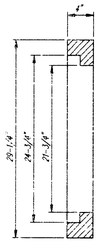
316-262-7271 • 310 ELLIS • WICHITA, KANSAS 67211

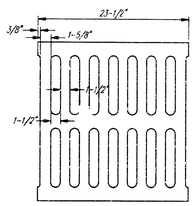
PROJECT NUMBER	SHEET
851 PPS (607861)	3 OF 6

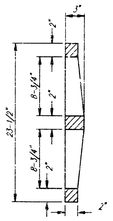
DESIGN	DRAWN	APPROVED	DATE	SCALE
C.O.W.	STAFF	NBW	10/98	NONE

DUNCAN/SYPES 97-2164





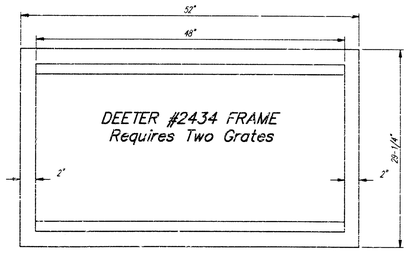




DEETER #2433 GRATE

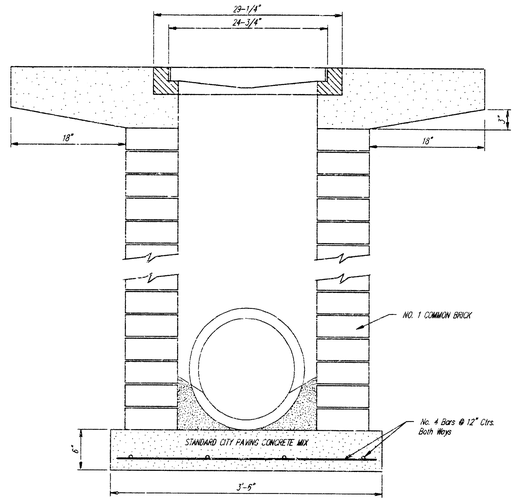
NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be approved by the engineer.

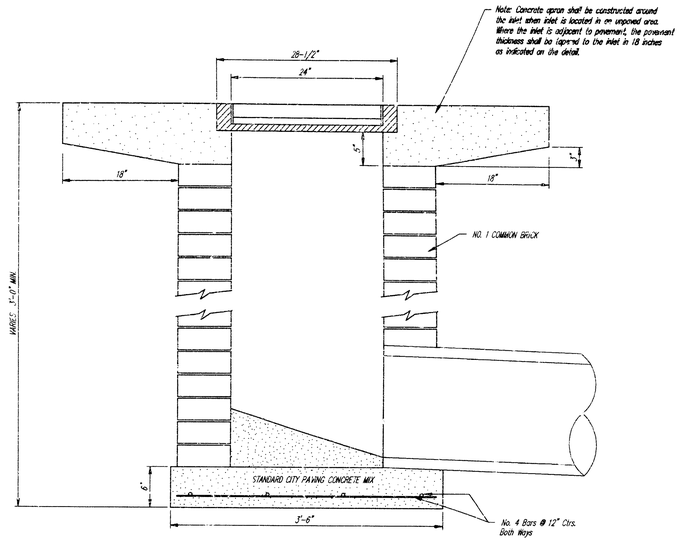
24" x 24" Frame and Grate Detail

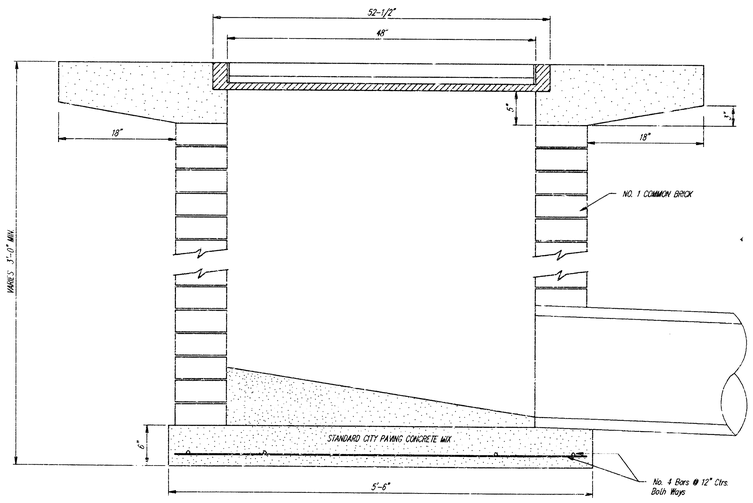




Double 24" x 24" Frame Detail







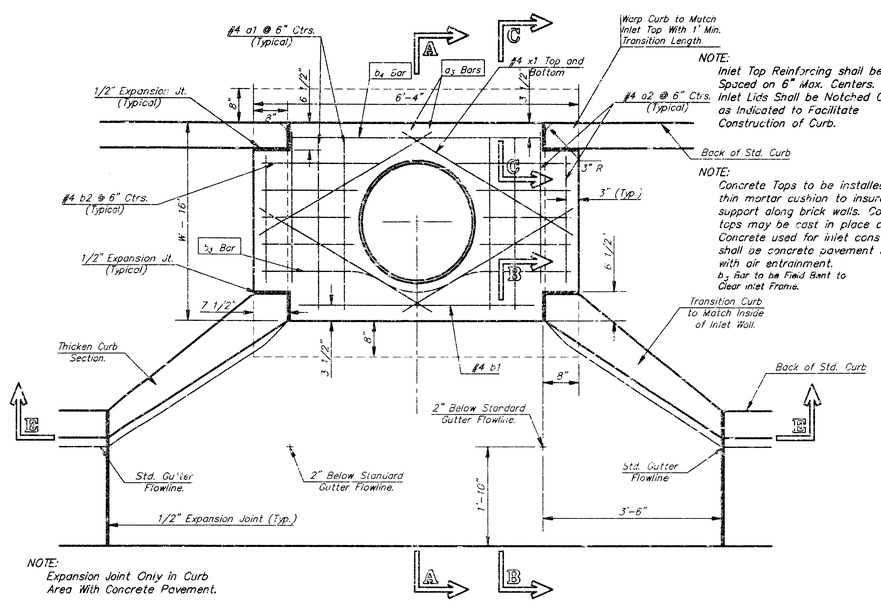
City of Wichita Standard
Drop Inlet
DETAIL

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

PROJECT NUMBER	SHEET
851 PFS (607861)	4 OF 6

DESIGN	DRAWN	APPROVED	DATE	SCALE
Staff	Staff	NBW	10/98	NONE

01-12-1944

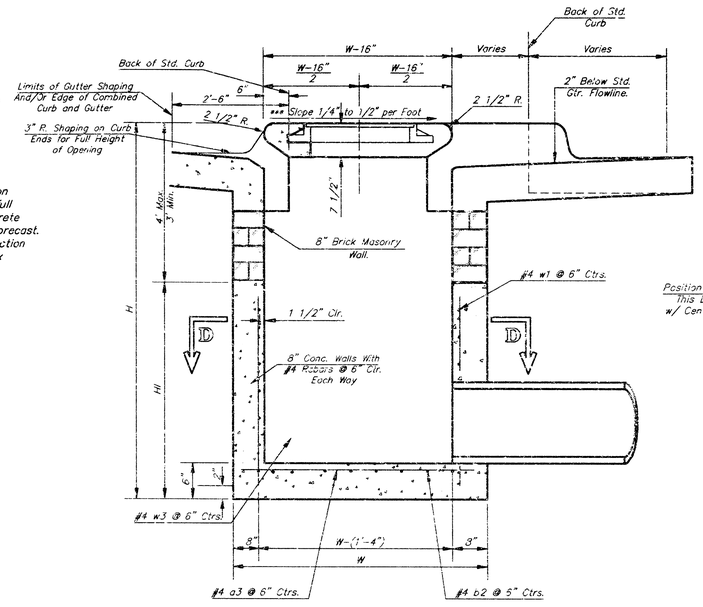


NOTE:
Inlet Top Reinforcing shall be Spaced on 6" Max. Centers. Inlet Lids Shall be Notched Out as Indicated to Facilitate Construction of Curb.

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.
b_3 Bar to be Field Bent to Clear Inlet Frame.

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

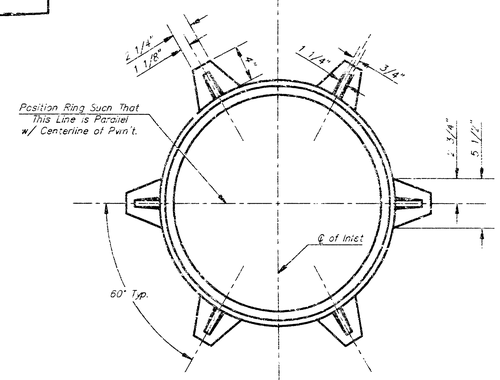
PLAN

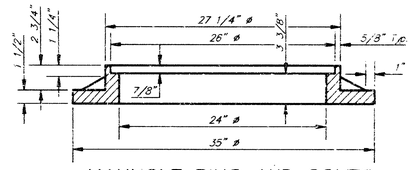


SECTION A–A

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

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	0.38±
5'-4"	4'-8" x 5'-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±

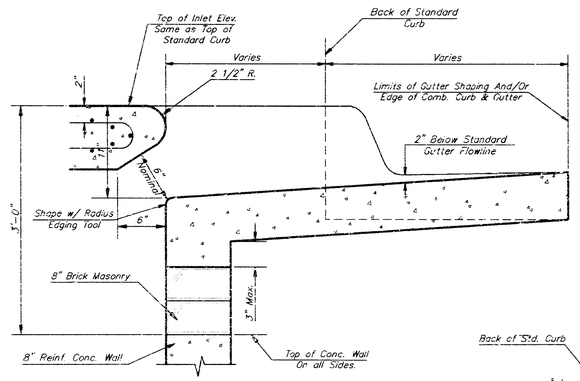




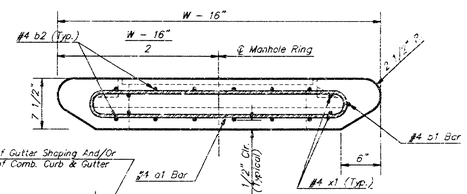
MANHOLE RING AND COVER

Weight = 180 Lbs.

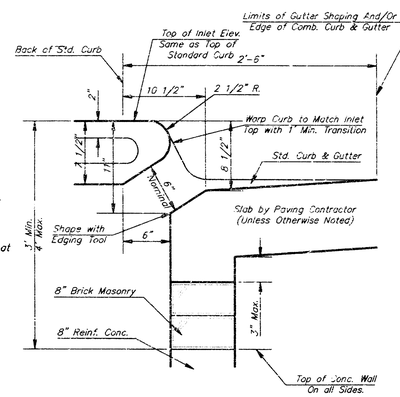
*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.



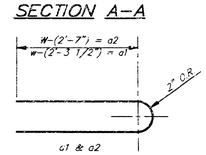
SECTION B–B



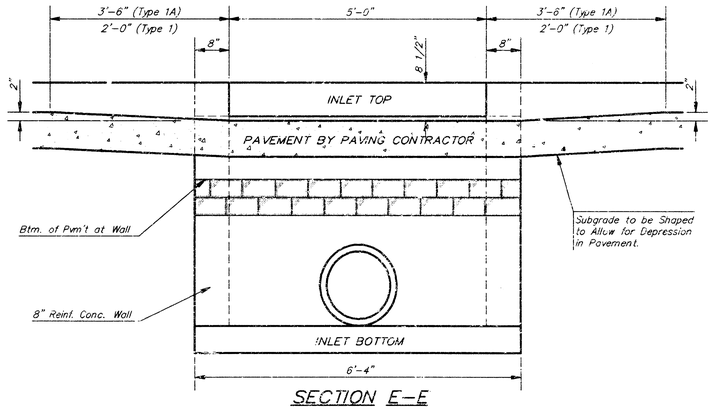
SECTION A–A



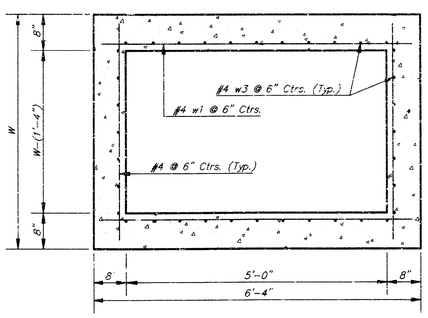
SECTION C–C



BENDING DIAGRAM



SECTION E–E



SECTION D–D

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"
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"
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	②	6'-1"	②	6'-1"	②	6'-1"	②	6'-1"	①	6'-1"
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	②	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"

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

CITY OF WICHITA
DOUBLE FACED TYPE 1/1A CURB INLET DETAILS

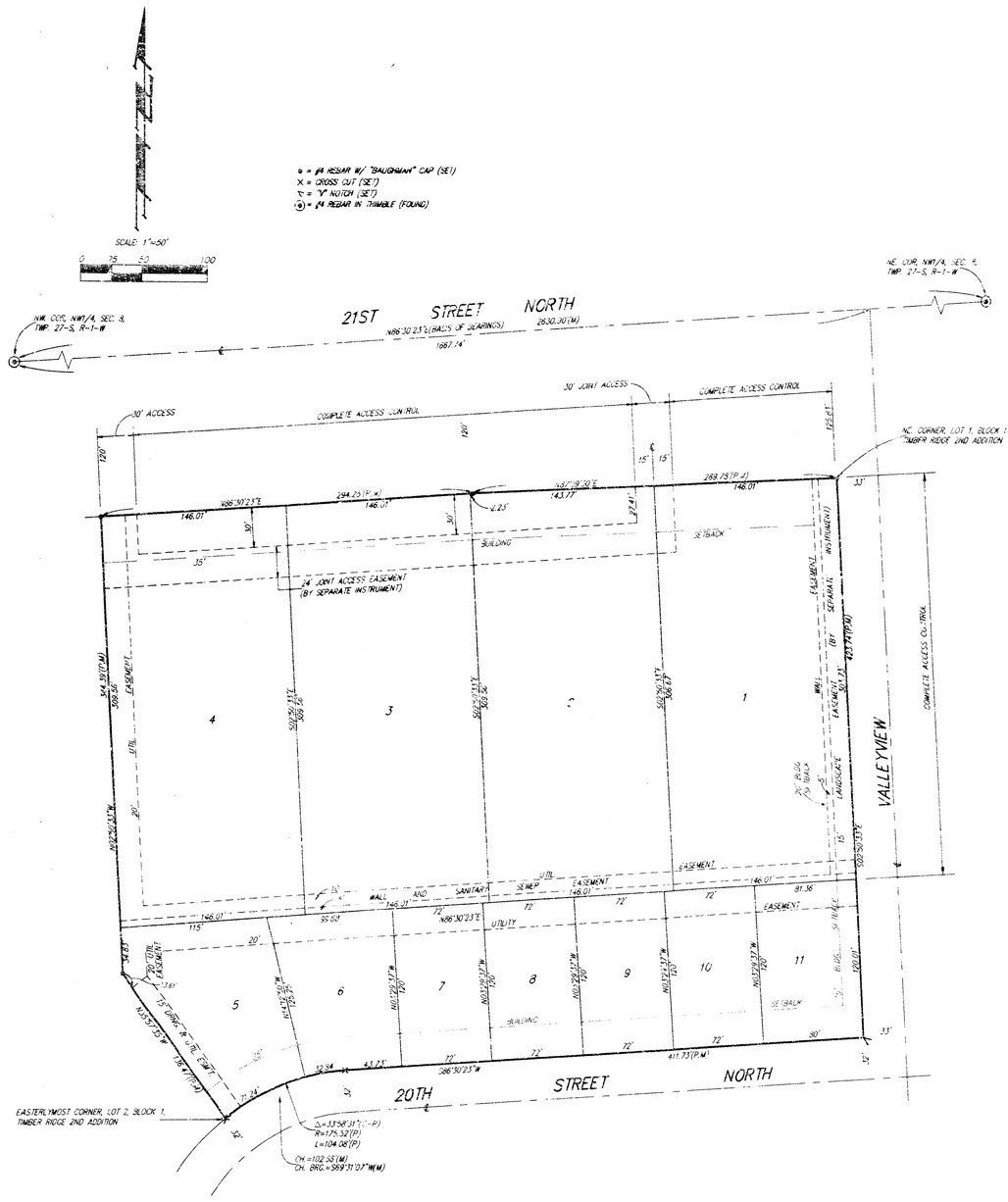
BAUGHMAN COMPANY P. A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 313 ELLIS • WICHITA, KANSAS 67211

PROJECT NUMBER: 851 PPS (207331)
SHEET 5 OF 6

DESIGN	DRAWN	APPROVED	DATE	SCALE
Staff	Staff		9/98	NONE

9-12-1944
JUNCAN\DETAILS

TIMBER RIDGE 3RD 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 "TIMBER RIDGE 3RD 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, Block 1, Timber Ridge 2nd Addition, Wichita, Sedgwick County, Kansas.

All being situated in the NW1/4 of Sec. 8, Twp. 27-S, R-1-W of the 6th P.M., Sedgwick County, Kansas.

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

Baughman Co., P.A.

Michael G. Conrey 8-27-96
Michael G. Conrey, L.S. #974 — Surveyor

Know all men by these presents that we, the undersigned, have caused the land in the surveyors certificate to be platted into Lots to be known as "TIMBER RIDGE 3RD ADDITION", Wichita, Sedgwick County, Kansas. The utility easements are hereby granted as indicated for the construction and maintenance of all public utilities. The wall easement is hereby granted as indicated for the construction and maintenance of a private wall and utility service lines are allowed to cross this easement. The wall and sanitary sewer easement is hereby granted as indicated for the construction and maintenance of a private wall and utility service lines and sanitary sewer service lines are allowed to cross this easement. 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 shall be as depicted on the face of the plat and are hereby granted to the City of Wichita, Kansas. The permitted entrance locations shall be as determined by the City Engineer of the City of Wichita, Kansas.

B. & E. Investments, Inc.

Matthias F. Eck, President

T. K. Development, LLC

J. Kendall Dillehay, Member and Manager

Terry L. Duncan, Member and Manager

State of Kansas) SS
Sedgwick County)

The foregoing instrument acknowledged before me, this 8 day of March, 1996, by Matthias F. Eck, President of B. & E. Investments, Inc., on behalf of the corporation.

Theresa Murphy Notary Public
THERESA MURPHY

My App't. Exp. 8-16-99

THERESA MURPHY
Notary Public - State of Kansas
My Appt. Expires

State of Kansas) SS
Sedgwick County)

The foregoing instrument acknowledged before me, this 8 day of March, 1996, by J. Kendall Dillehay, Member and Manager of T. K. Development, LLC, on behalf of the company.

Theresa Murphy Notary Public
THERESA MURPHY

My App't. Exp. 8-16-99

THERESA MURPHY
Notary Public - State of Kansas
My Appt. Expires

We, the undersigned, holders of a mortgage on the above described property do hereby consent to the plat of "TIMBER RIDGE 3RD ADDITION", Wichita, Sedgwick County, Kansas.

First National Bank of Anthony

Richard Ciemny, V.P.
Richard Ciemny (Title)

State of Kansas) SS
Sedgwick County)

The foregoing instrument acknowledged before me, this 1st day of March, 1996, by Richard Ciemny, Vice President (Title) of First National Bank of Anthony, on behalf of the bank.

Doris M. McGinnis Notary Public
DORIS M. McGINNIS

My App't. Exp. 12-12-99

DORIS M. McGINNIS
State of Kansas
My Appt. Exp.

This plat of "TIMBER RIDGE 3RD 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 January, 1996.

Wichita-Sedgwick County Metropolitan Area Planning Commission

Susan Osborne-Howes, Chair

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 9th day of APRIL, 1996.

Bob Knight, Mayor

Pat Burnett, Deputy City Clerk
Pat Burnett

Entered on transfer record this 2nd day of July, 1996.

Susan E. Crockett-Spoon, Deputy 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 23rd day of July, 1996, at 10:00 o'clock A.M., and is duly recorded #154391

Pat Kettler, Register of Deeds
Pat Kettler

Phyllis Hernandez, Deputy
Ed Rosa PHYLLIS HERNANDEZ

State of Kansas) SS
Sedgwick County)

The foregoing instrument acknowledged before me, this 8 day of March, 1996, by Terry L. Duncan, Member and Manager of T. K. Development, LLC, on behalf of the company.

Theresa Murphy Notary Public
THERESA MURPHY

My App't. Exp. 8-16-99

THERESA MURPHY
Notary Public - State of Kansas
My Appt. Expires

T-266

PC67-