STORMWATER SEWER IMPROVEMENTS TO SERVE

BOMBARDIER LEARJET

Project Number

1020 PPS (607861)

CITY OF WICHITA, KANSAS

Michael E. Lindebak, P. E., City Engineer

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
K.P.L. Gas Service Company	383-8650
Kansas Gas & Electric Company	383-8500
Peoples Natural Gas Gas	942-8811
or	1800-303-0357
Southwestern Bell Telephone Company	1-571-2611
City of Wichita Water Department	268-4908
City of Wichita Sewer Department	268-4071
Kansas Gas Service	832-3168
or	832-3167

2. Exist 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 Contractor will be required to work around existing utilities which do not conflict with proposed construction.

3. The Contractor to verify utility locations prior to construction of this project.

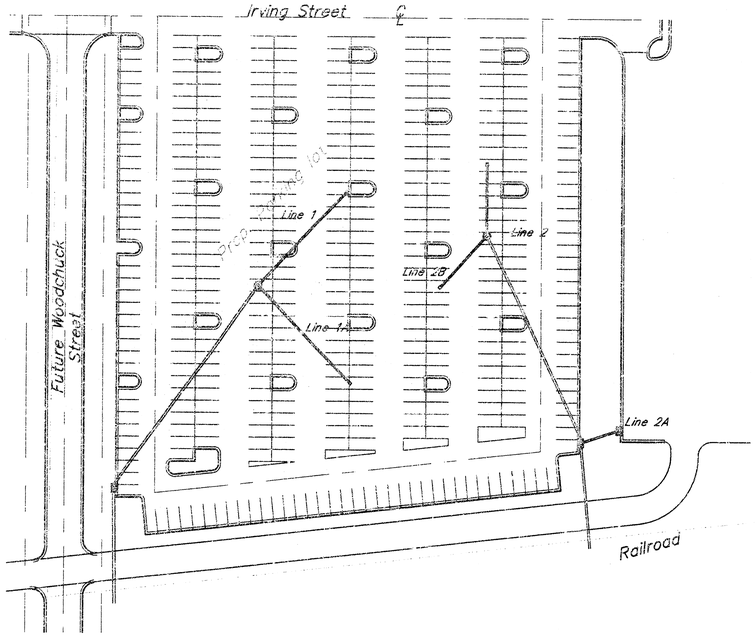
4. Utility service and installation shall be coordinated with the respective utility owners. Contacts are:

Kansas Gas Service	Jim Stoltz	832-3122
K.G.E.	Russ Chitwood	261-6251
Wichita Water	Paul Bryant	268-4555
	Bill Perkins	268-4908
Southwestern Bell	Gary Sharpe	268-2759

5. All areas disturbed by construction shall be seeded with rye Rebel II Fescure grass at a rate of 350 lbs./acre immediately following construction in that area.

6. Traffic affected by the construction of this project shall be handled in accordance with the latest edition of the Manual on Uniform Traffic Control Devices.

7. All lawn/turf areas disturbed by construction of proposed improvements shall be restored with the same grass/ sod as existing. Restoration of disturbed areas shall include, but not be limited to, top soil preparation, seeding, mulch and/or reseeding. All seeding/sodding work shall be in accordance with the City of Wichita standard specifications and the City of Wichita administrative regulation No. AR78 which governs cleanup and replacement following construction. All costs for this work shall be subsidiary to the lump sum price bid for "Site Restoration."



BENCHMARK:

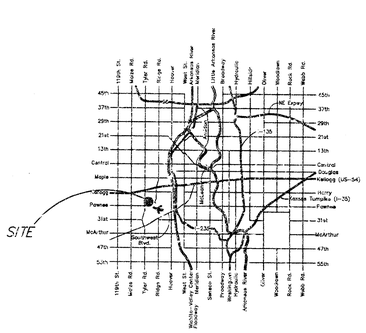
C.O.W. Disc @ SW Corner intersection of Woodchuck and Kellogg Dr. 27' West and 150' S. of Center Line Both 5.5' E. of Chain link Fence Corner And 41' SSW. of PP.
Elev.=139.91 City Datum
1327.31 M.S.L.

INDEX

1 Cover
2 Plan and Profile
3 Plan and Profile
4 5' Type 1 Curb Inlet
5 2'x2' Drop Inlet
6 Erosion
7 Erosion Detail

SCALE

50' 0 50' 100'



LOCATION MAP

KIRK E. MILLER
LICENSED
11-26-00
KANSAS
PROFESSIONAL ENGINEER

APPROVED AS NOTED BY CITY ENGINEER OF WICHITA

STORM SEWERS Julianne Kallman 9-28-00

Inspection and testing for this project are 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 Proj Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection nor shall 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).

FILENAME: 00133\TITLE

AUSTIN MILLER P.A.
ENGINEERING SERVICES
355 N. Waco, Suite 200 Wichita, KS 67202
316/262-1281 fax: 316/262-6773

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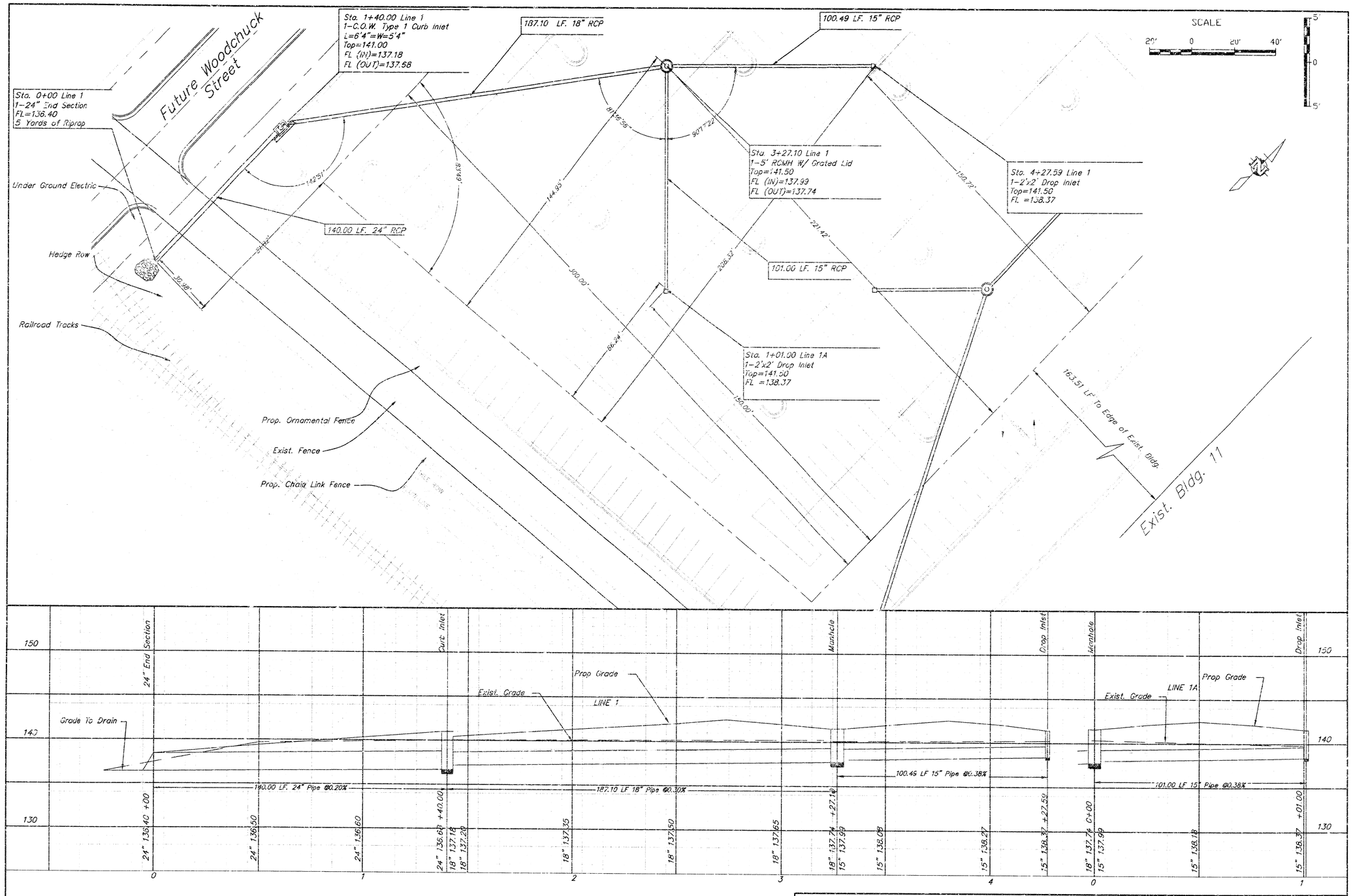
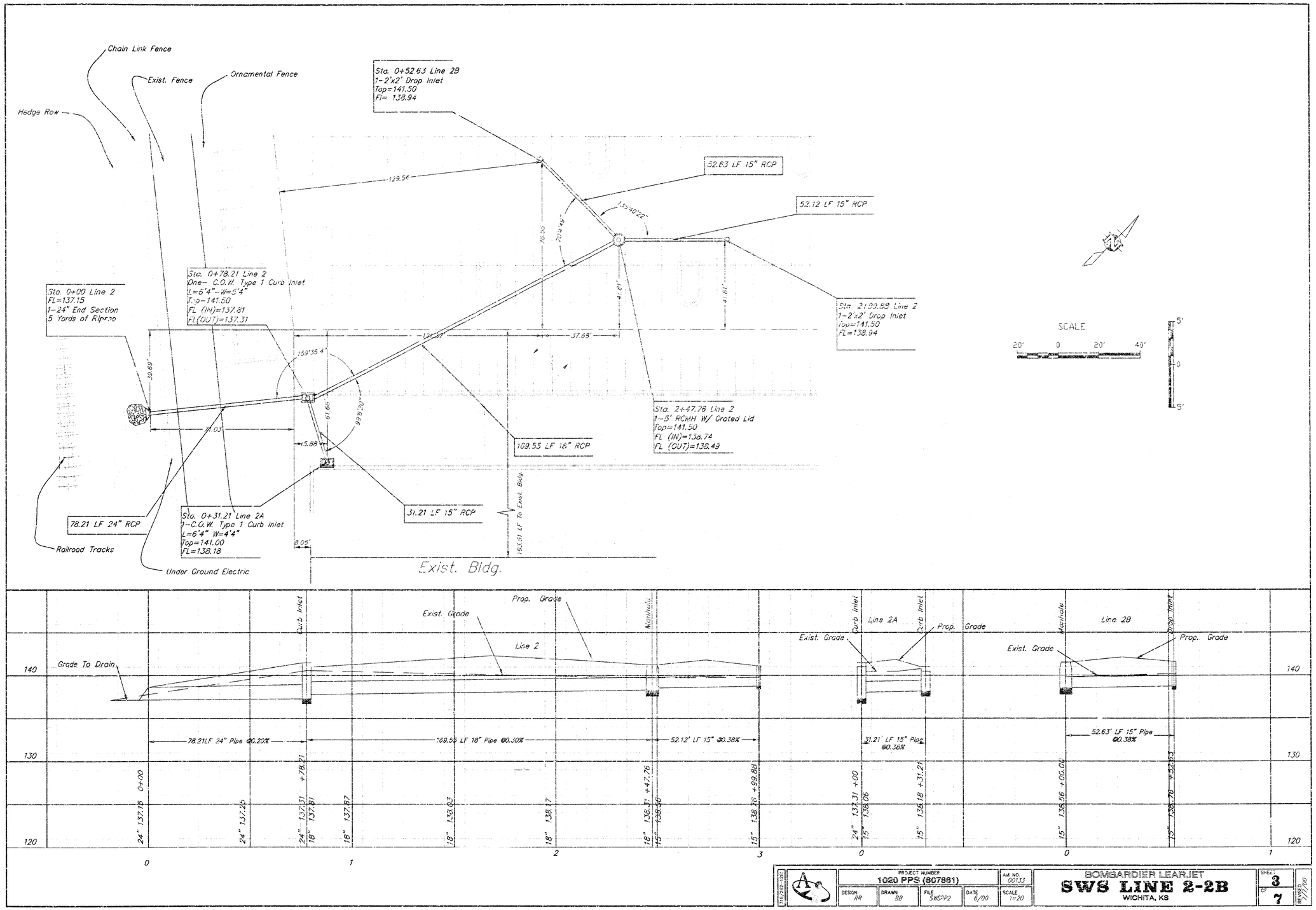
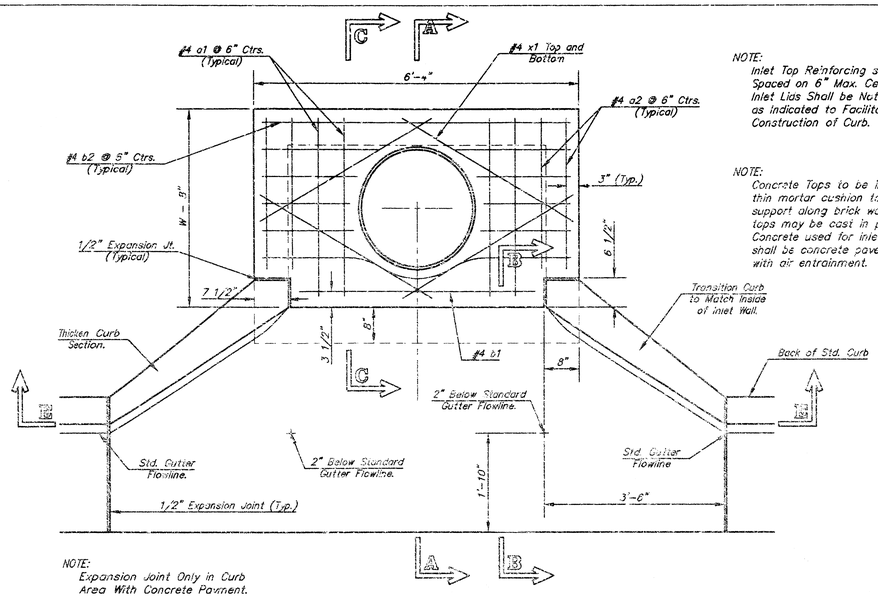


316/262-1281	PROJECT NUMBER 1020 PPS (607861)			AM NO. 00133	BOMBARDIER LEARJET **SWS LINE 1-1A** WICHITA, KS	SHEET 2 OF 7
	DESIGN RR	DRAWN BB	FILE SWSPP1	DATE 6/00	SCALE 1=20	REVISED 7/7/00



PROJECT NUMBER 1020 PPS (807861)			AM NO. 00133	BOMBARDIER LEARJET **SWS LINE 2-2B** WICHITA, KS	SHEET 3 OF 7
DESIGN RR	DRAWN BB	FILE SWSPP2	DATE 6/00	SCALE 1=20	REVISED 7/7/00

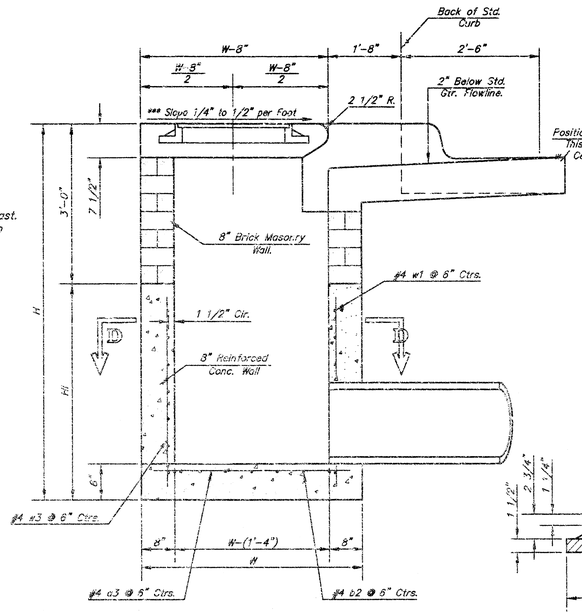


NOTE:
Expansion Joint Only in Curb Area With Concrete Pavement.

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

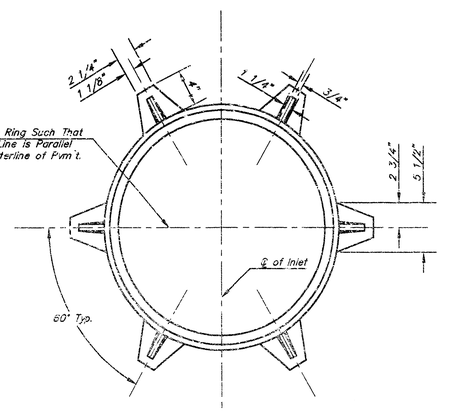
NOTE:
Concrete Tops to be installed on thin mortar cushion to insure full support along brick walls. Concrete tops may be cast in place or precast. Concrete used for inlet construction shall be concrete pavement mix with air entrainment.

PLAN



SECTION A-A

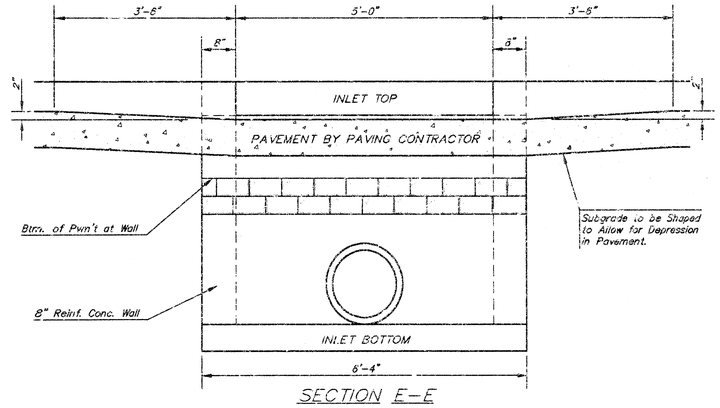
***NOTE: Slope of inlet tops to Match Sidewalk or Parking Slopes within Limits Indicated.



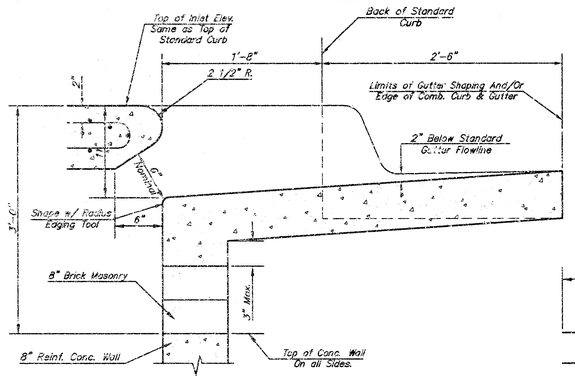
MANHOLE RING AND COVER

Weight = 180 Lbs.

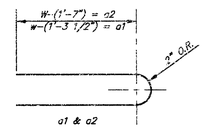
*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.



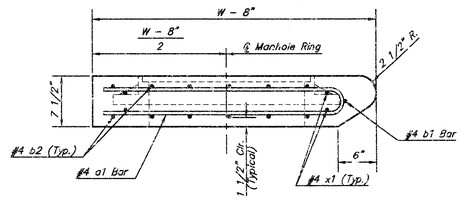
SECTION E-E



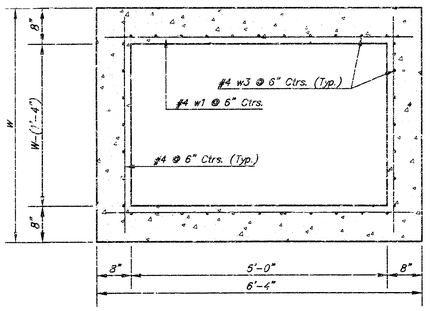
SECTION B-B



BENDING DIAGRAM



SECTION A-A



SECTION D-D

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

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	3'-1"	13	5'-1"	13	6'-1"	13	7'-1	13	8'-1"
b1	#4	1	4'-9"	1	6'-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	6	3'-10"	6	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"

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 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±

THE CITY OF WICHITA

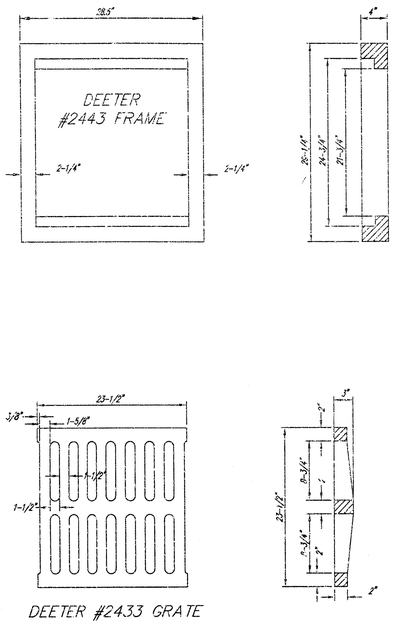
CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4501
(316) 268-4114 FAX

STANDARD TYPE 1-A CURB INLET OPENING = 6" x 5'-0"

M. E. LINDEBAK P.E. - CITY ENGINEER

PROJECT NUMBER	INDEX CODE
1020 PPS (607861)	
DATE: JUN 9	SHEET 4 OF 7

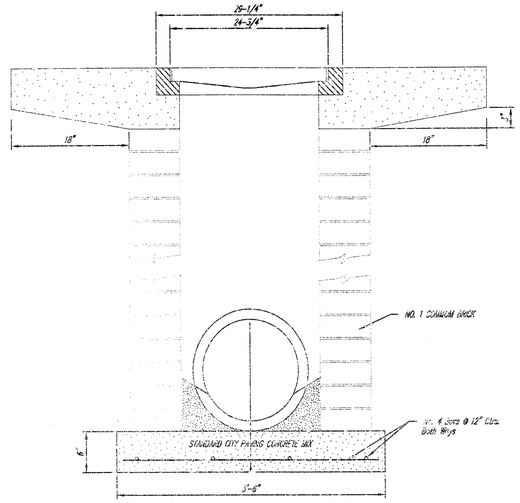
TYP1A-S.DWG

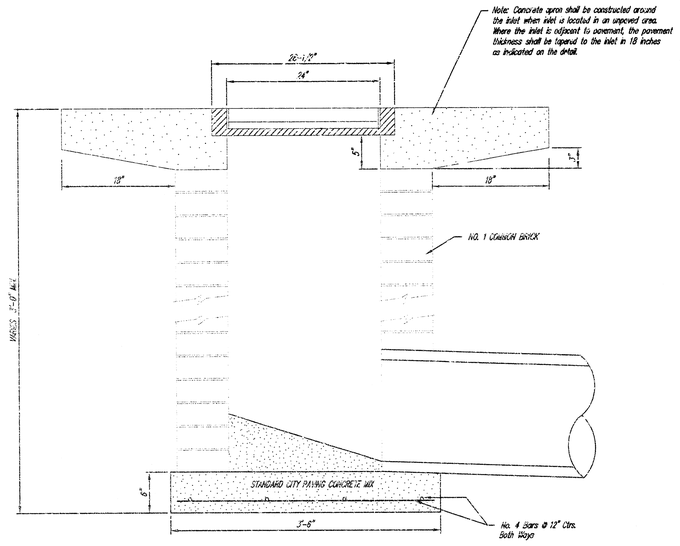


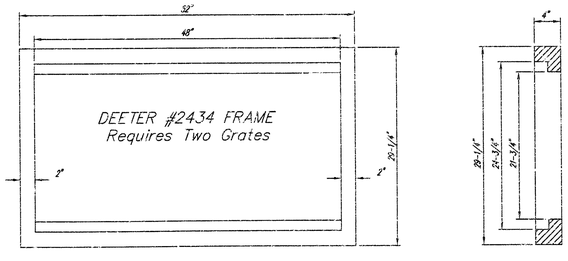
DEETER #2433 GRATE

24" x 24" Frame and Grate Detail

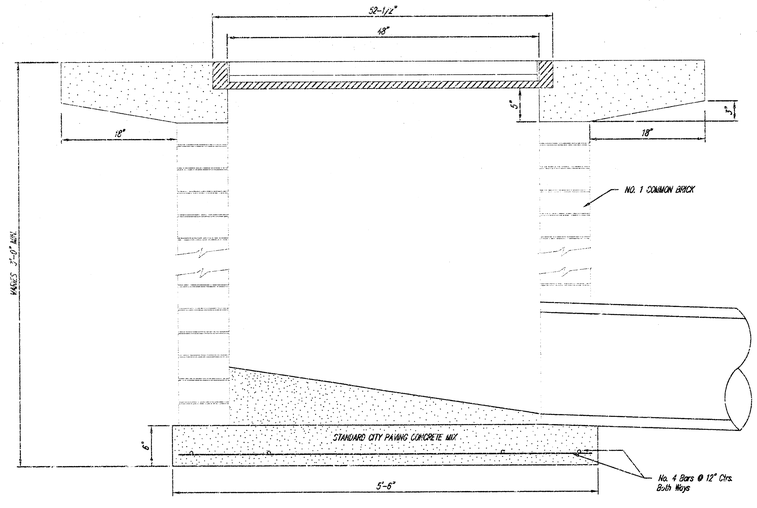
NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be approved by the engineer.







Double 24" x 24" Frame Detail



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DROP INLET
2' X 2'/2' X 4'

M. E. LINDEBAK P.E. – CITY ENGINEER

PROJECT NUMBER	INDEX CODE
797 PPS 607861	
DATE MAR 96	SHEET 5 OF 7

DROPINLT.DWG

70 40 90 81