STORMWATER SEWER IMPROVEMENTS TO SERVE
LOT18 BLOCK 1 INDUSTRIAL AIR CENTER
N.M.F. AMERICA INC.

Project Number
1000 PPS (807861)

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 887-2470

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

Multimedia Cablevision	262-4270
or	263-2061
Kansas Gas Service Company	832-3168
K.G.E.	383-8600
Peoples Natural Gas	942-8350
or	263-8161
Southwestern Bell Telephone Company	1-571-2611
City of Wichita Water Department	268-4908
City of Wichita Sewer Department	268-4071

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:

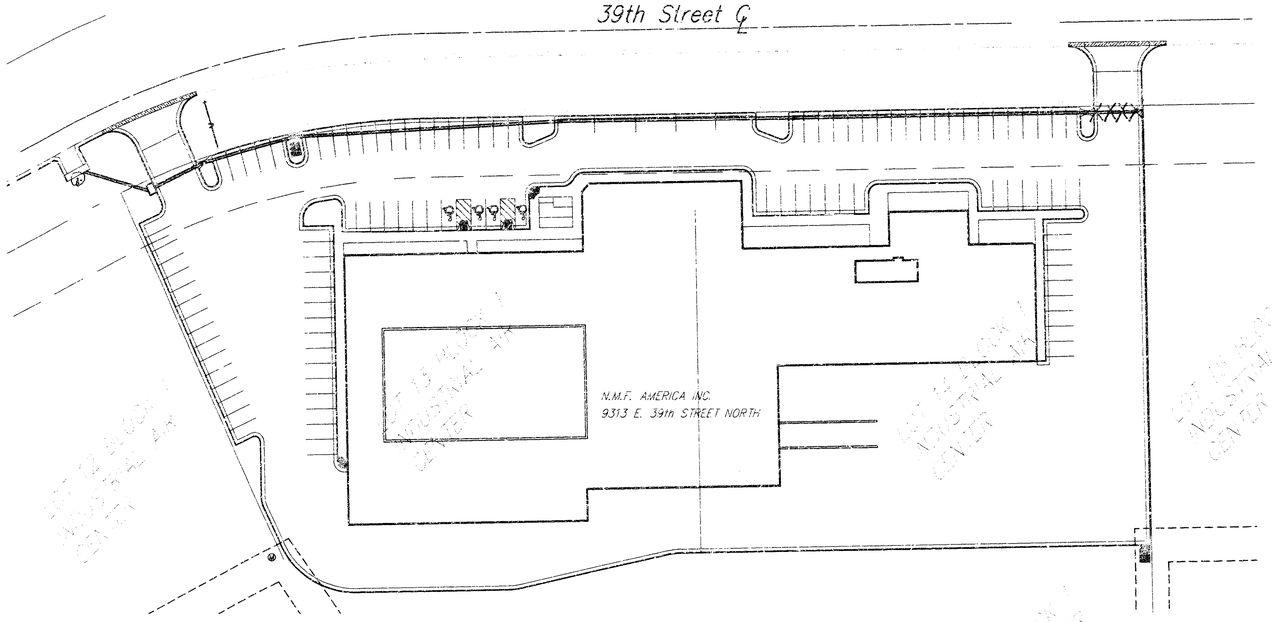
KG&E Gas	Shane Price	261-6867
K.G. & E.	Miles Capps	261-6434
Wichita Water	Paul Bryant	268-4555
	Bill Perkins	268-4908
Southwestern Bell	Greg Sharpe	268-2759

5. All areas disturbed by construction operations shall be seeded with rye grass at a rate of 300 lbs/acre immediately following construction in that area. Ground shall be prepared per City of Wichita specifications prior to seeding.
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. Pipe and Drain Basin materials to be installed per Manufacter's Specifications. Pipe and Drain Basin material is per owner requirement. Engineer does not accept responsibility for use of products.

APPROVED AS NOTED BY CITY ENGINEER OF WICHITA

STORM SEWERS VRH 6/23/00

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 Professional 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).

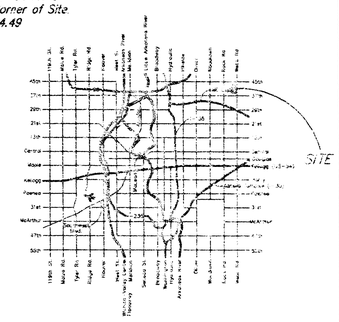


AS-BUILT
Date: 8/23/02
Signed: Melissa L. Ensz

BENCHMARK

Step Bench in LP 50' West of East 1/4 Cor. of Sec.2. Elev.=1418.42

"O" of "Open" on FH @ Northeast Corner of Site. Elev. = 1424.49



LOCATION MAP

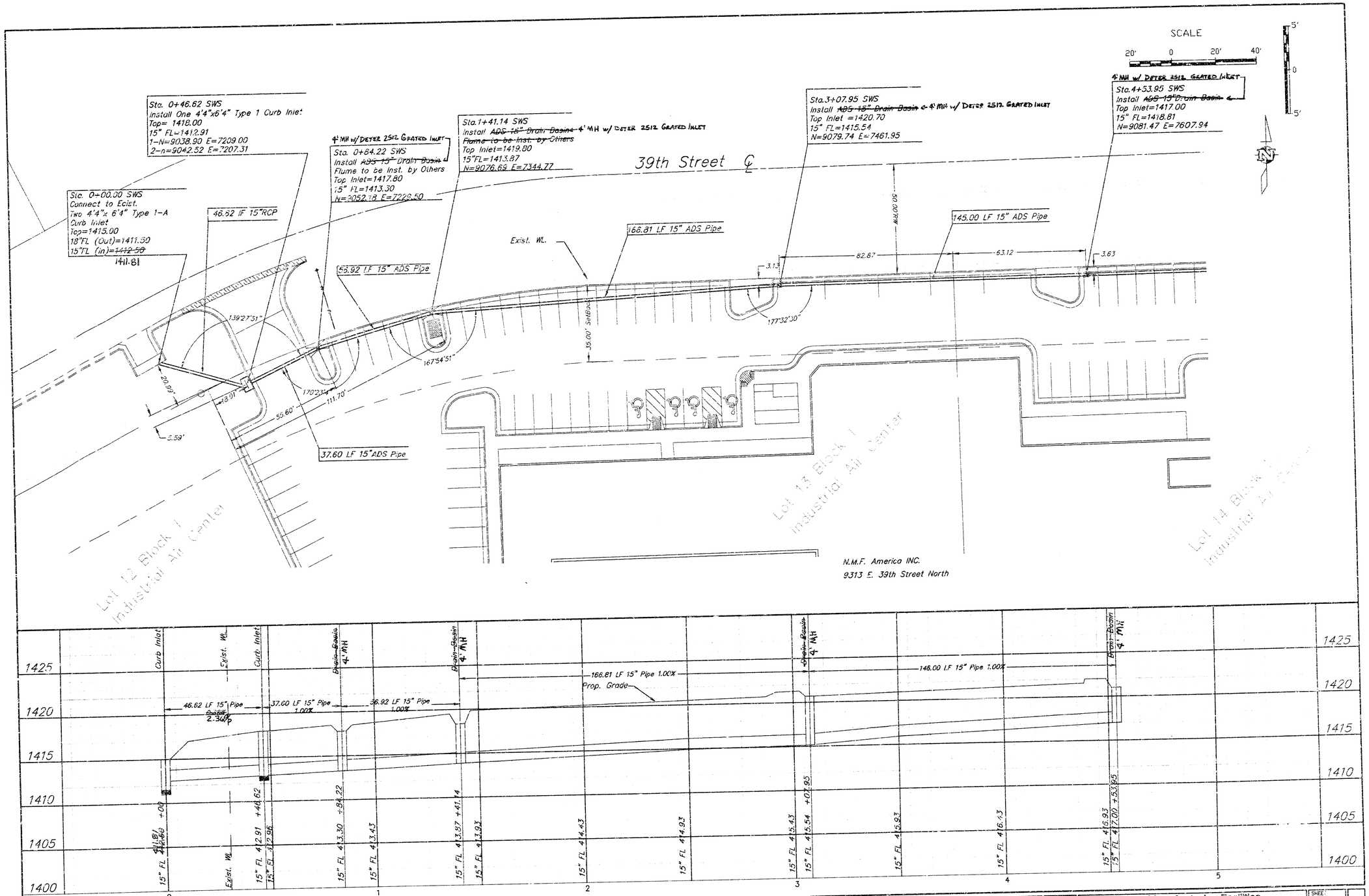
LEGEND

1. TITLE
2. STA. 0+00 TO 4+53.95
3. STA. 4+53.95 TO STA. 6+68.92
4. STANDARD TYPE 1 CURB INLET

BLOCKED 11-22-02 MCS D-1866

ERNIE E. PHILLIS — 17288 — 6/23/00 — KANSAS — PROFESSIONAL ENGINEER

ENGINEERING SERVICES
254 S. Laura, Suite 210 Wichita, KS 67211
316/262-1281 fax: 316/262-6773



PROJECT NUMBER 1000 PPS (607861)				AM NO. 00186	New Manufacturing Facilities **N.M.F. America Inc.** 9313 E. 39th Street North
DESIGN PB	DRAWN BB	FILE PPS-1	DATE 6/22/00	SCALE 1=20	SHEET 2 OF 4

SCALE

20' 0 20' 40'

5' 0 5'

Sta.4+53.95 SWS

39th Street ℄

Exist. 8" WL.

181.35 LF 15" R.C.P.

4' MH w/ DOYER 25TL GRATED INLET
Sta.6+35.30 SWS
Install ~~ABS 15" Drain Basin~~
Flume to be inst. by Others
Top=1422.40
15" FL=1418.81
N=9086.11 E=7780.80

Sta.6+68.92 SWS
Install ADS 15" Drain Basin
Top Inlet=1422.10
15" FL=1419.15
N=9084.58 E=7811.92

M.S. 100.0'

3.63

3.63

3.00'

35.00' Set Back

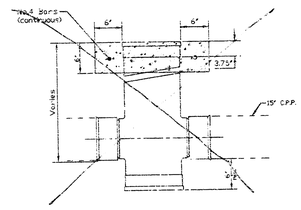
35.50'

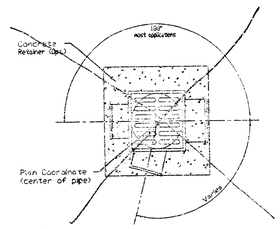
68.62 LF 15" ADS Pipe

Lot 15 Block 1
Industrial air center

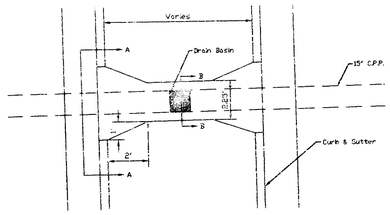
N.M.F. AMERICA INC.
PROP. N.M.F. AMERICA INC.

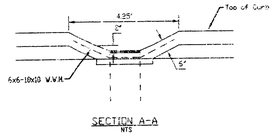
Lot 15 Block 1
Industrial Air Center



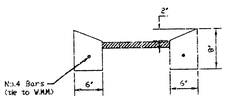


DRAIN BASIN DETAIL
NOT TO SCALE



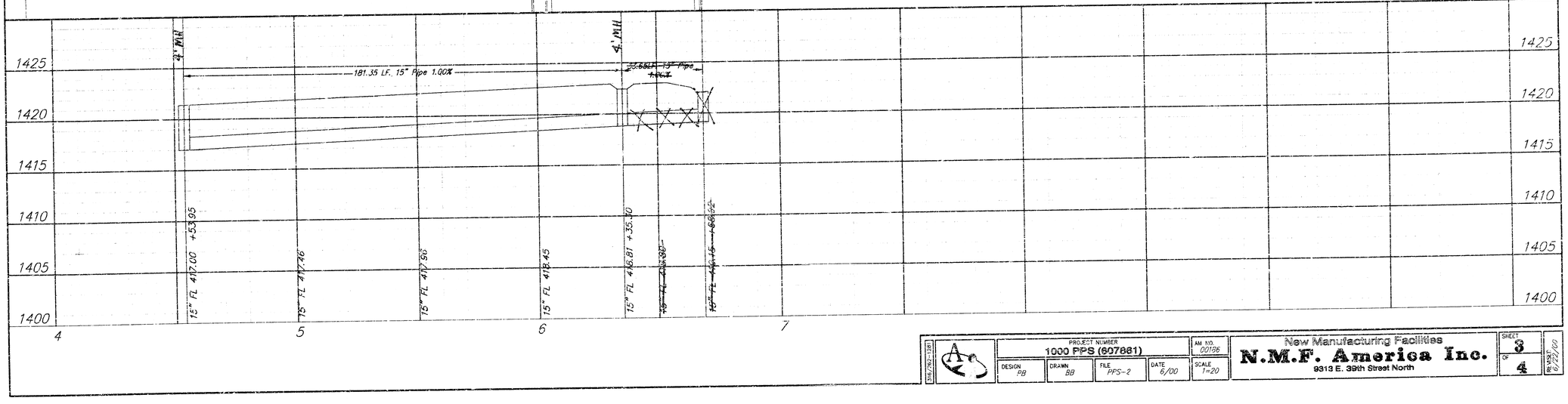


SECTION A-A
NTS

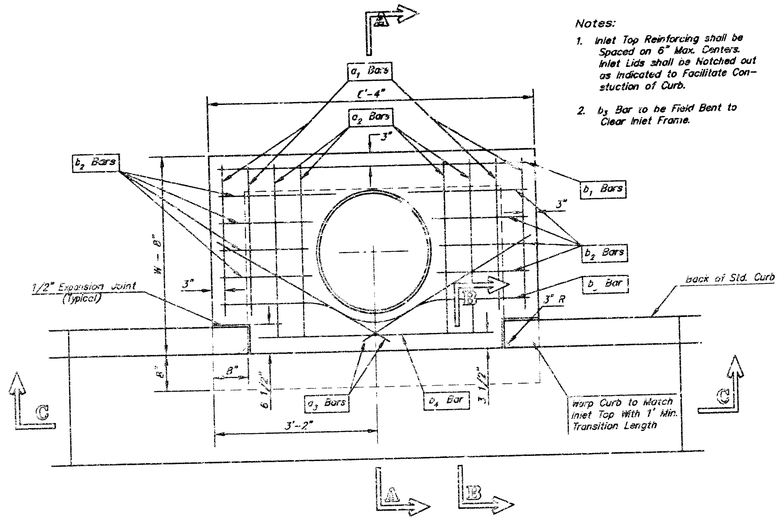


SECTION B-B
NTS

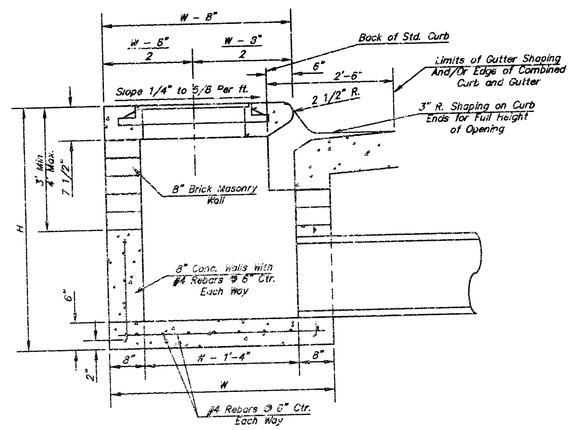
DRAIN BASIN FLUME INLET DETAIL
NOT TO SCALE



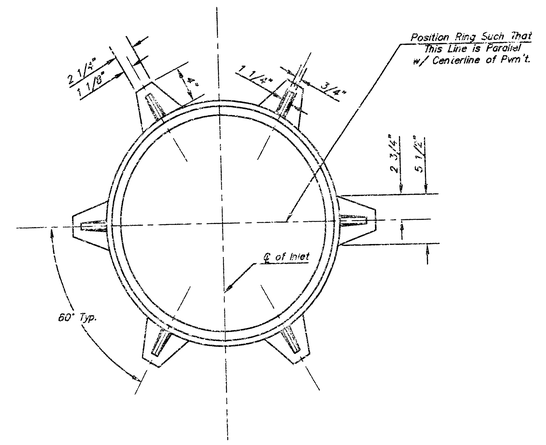
316/782-1281	PROJECT NUMBER 1000 PPS (607881)			AM. NO. 00196	New Manufacturing Facilities N.M.F. America Inc. 9313 E. 39th Street North	SHEET 3 OF 4	REVISED 11/22/00
	DESIGN PB	DRAWN BB	FILE PPS-2	DATE 6/00	SCALE 1"=20'		

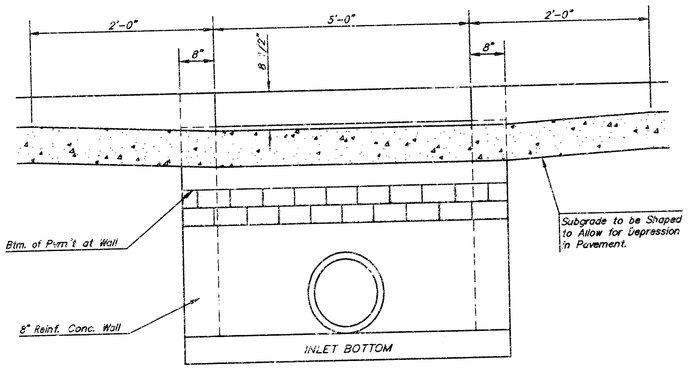


PLAN

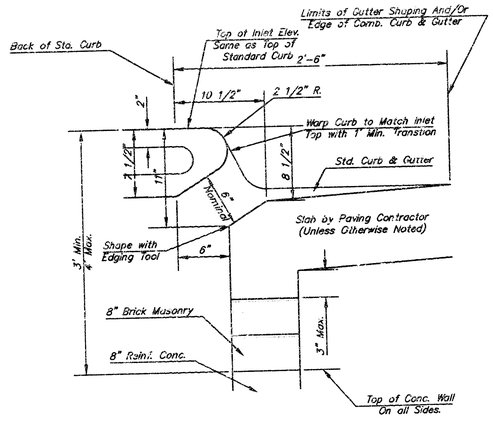


SECTION A–A

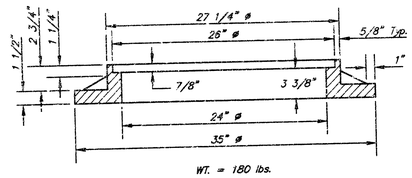




SECTION C–C



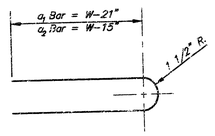
SECTION B–B



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	c_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"	5'-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"	–	–	8'-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 concreie 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.

THE CITY OF WICHITA

CITY ENGINEER'S OFFICE
CITY HALL – SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4504
(316) 268-4114 FAX

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

M. E. LINDEBAK P.E. – CITY ENGINEER

PROJECT NUMBER	INDEX CODE
XXX-XXXXX	XXXXXX
DATE: MAR 96	SHEET 4 OF 4

STYPT-S.DWG