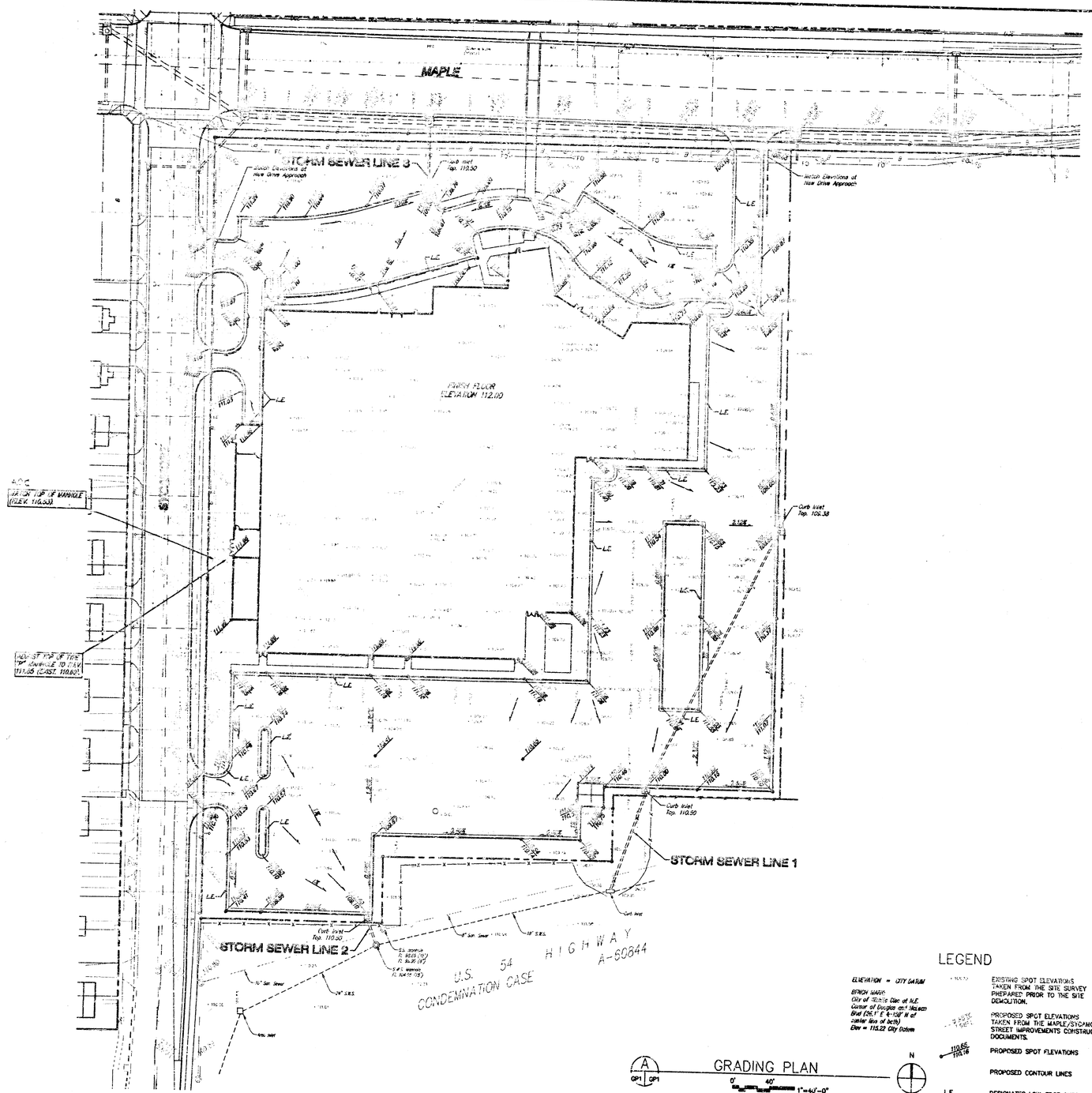


GENERAL NOTES

1. ALL WORK ON THIS PROJECT SHALL CONFORM TO STANDARD SPECIFICATIONS FOR STORM SEWER CONSTRUCTION OF THE CITY OF WICHITA.
2. ALL UNPAVED AREAS WITHIN PUBLIC RIGHT-OF-WAY WHICH MAY BE DISTURBED BY CONTRACTOR'S OPERATIONS SHALL BE RESTORED IN ACCORDANCE WITH CITY OF WICHITA ADMINISTRATIVE REGULATION AR-78
3. THE CONTRACTOR SHALL NOTIFY KANSAS ONE-CALL (687-2470) A MINIMUM OF 24 HOURS PRIOR TO ANY EXCAVATION.
4. TRAFFIC WILL NOT BE AFFECTED BY CONSTRUCTION OF THIS PROJECT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY MONUMENTS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY MONUMENTS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH MONUMENTS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KANSAS DEPARTMENT OF TRANSPORTATION PERMIT FOR WORK WITHIN U.S. 54 HIGHWAY R/W.

INDEX OF SHEETS

1. SITE GRADING PLAN (GP1.2)
2. STORM SEWER PLAN/PROFILE (GP1.3)
3. TYPE I INLET DETAILS (GP1.4)
4. STANDARD DROP INLET DETAILS (GP1.5)

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers VRH 11/6/95
Driveway Approaches _____
Water Mains _____
Paving _____

NOTE TO CONTRACTORS

Inspection and testing for this project are 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.

BOOKED 2-3-97 MCG D-325

LEGEND

ELEVATION = CITY DATUM

BENCH MARK: City of Wichita Disc at N.E. Corner of Douglas and Volutsia Blvd (26.1' E & 9.08' N of center line of both) Elev = 113.22 City Datum

- EXISTING SPOT ELEVATIONS TAKEN FROM THE SITE SURVEY PREPARED PRIOR TO THE SITE DEMOLITION.
- PROPOSED SPOT ELEVATIONS TAKEN FROM THE MAPLE/SYCAMORE STREET IMPROVEMENTS CONSTRUCTION DOCUMENTS.
- 110.65 / 110.16 PROPOSED SPOT ELEVATIONS
- PROPOSED CONTOUR LINES
- L.E. DESIGNATES LOW-EDGE CURB

Rev. general notes - Oct. 6, 1995 Rev. As Built 6-17-96

LOT 1, BLK. A, WEST LINK 1st ADDITION
SITE PLAN/GENERAL NOTES
WICHITA, KANSAS

SRB
924 NORTH MAIN
WICHITA, KANSAS 67203
316-264-8008
FAX 264-4621
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER: 587 PPS (607661)

DRAWN	DESIGN	REVIEW	DATE	UTILITY	SRB JOB
J. Lang	T.C.R.		Sep. 12, 1995	T.C.R.	333E

REVISED

SHEET GP 1.2

DWG FILE: C:\MCLEAN\SPROJECT

3332

SRB

SCALE:
1"=20' PLAN
1"=5' PROFILE" (V.)

STATION 0+00, LINE 1
REMOVE EXISTING INLET. CONSTRUCT STANDARD 2'x4' DROP INLET AND BEGIN 18" SWS CONSTRUCTION. TOP ELEV. ~~110.00~~ 108.00

STATION ~~0+81.2~~ 0+81.3 LINE 1
CONST. STD TYPE 1
INLET (6'-4" x 4'-4")
TOP ELEV. ~~110.00~~
110.81

STATION ~~3+08.2~~ 3+08.3 LINE 1
CONST. STD TYPE 1
INLET (6'-4" x 4'-4")
TOP ELEV. ~~110.00~~
109.03

22.8'
26.0'
4.4'
Exist. 18" S.S.
17°-7'-48"
12°58'25"
SWS
Proposed Pavement
WICHITA ICE
ICE ADMINISTRATION
U.S. 54 (KELLOGG)
RIGHT-OF-WAY
S.E. Corner Lot 1, Blk. A, West Bank 1st Addition
208.9'
4.0'

LINE 1

SRB

SCALE:
1"=20' PLAN
1"=5' PROFILE (V.)

Exist. 18" S.S.
24°
SWS
18"
4.1'
160'6"
10.8'

STATION 0+00, LINE 2
CONNECT TO EXISTING MANHOLE. BEGIN 18" SWS CONSTRUCTION.

STATION ~~0+21.7~~ 0+21.9 LINE 2
CONST. STD TYPE 1
INLET (6'-4" x 4'-4")
TOP ELEV. ~~110.00~~
109.47

LINE 2

SRB

SCALE:
1"=20' PLAN
1"=5' PROFILE (V.)

STATION 0+25, LINE 3
REMOVE TEMP. PLUG AND CONNECT TO EXISTING 18" STUB. BEGIN 18" SWS CONSTRUCTION.

30.7'
30.5'
Sta. 0+00 = Center Prop. Type II Inlet.

STATION ~~0+55.9~~ 0+55.9 LINE 3
CONST. STD TYPE 1
INLET (6'-4" x 4'-4")
TOP ELEV. ~~110.00~~
109.97

LINE 3

FINISHED GRADE
Existing Ground

81.2 L.F. 18" RCP @ 0.31%
226.8 L.F. 15" RCP @ 0.36%
21.7 L.F. 18" RCP @ 0.32%
24.7 L.F. 18" RCP @ 0.49%

110
105
100

Fl. 104.04 Out (Exist.)
Fl. 104.10 In 18"
Fl. 104.41 Out 18"
Fl. 104.46 In 15"
104.99
Fl. 104.67
Fl. 105.05
Fl. 105.23
Fl. 104.02 Out
Fl. 104.45 In 18"
104.47
Fl. 102.75 In 18"
Fl. 101.15
103.82

0
+81.2
1
2
3 +08.0
0
+21.7

Rev. As-built - June 17, 1996
Rev. structure @ 0+00, top & bottom, pipe grade from 0+81.2 to 3+08.2 Line 1 - Oct. 6, 1995

PRIVATE STORM SEWER TO SERVE
WICHITA ICE FACILITY
LOT 1, WEST BANK 1st ADDITION

SRB
924 NORTH MAIN
WICHITA, KANSAS 67203
316-264-8008
FAX 264-4621

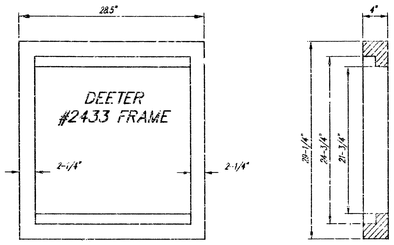
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

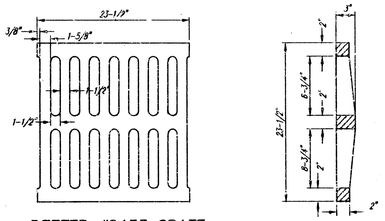
PROJECT NUMBER
587 PPS (607861)

DRAWN	DESIGN	REVIEW	DATE	UTILITY	SRB JOB
J. Lang	T.C.R.		Sep. 12, 1995	T.C.R.	333E

REVISED

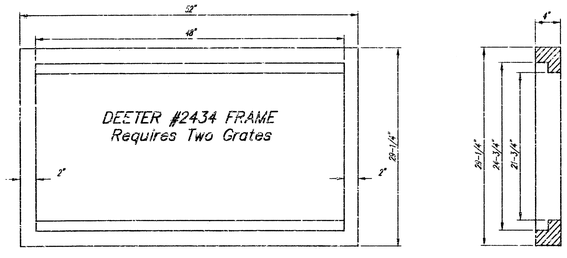
SHEET GP
1.3



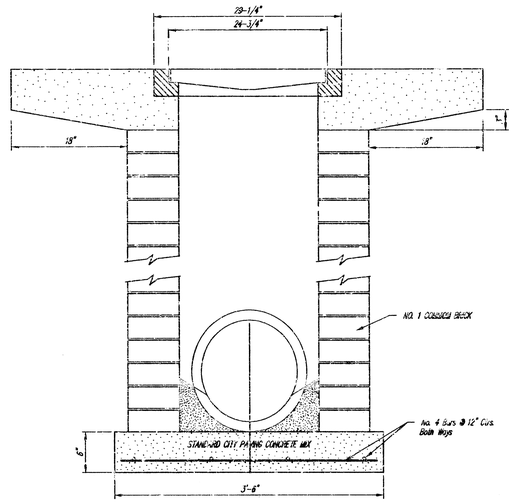


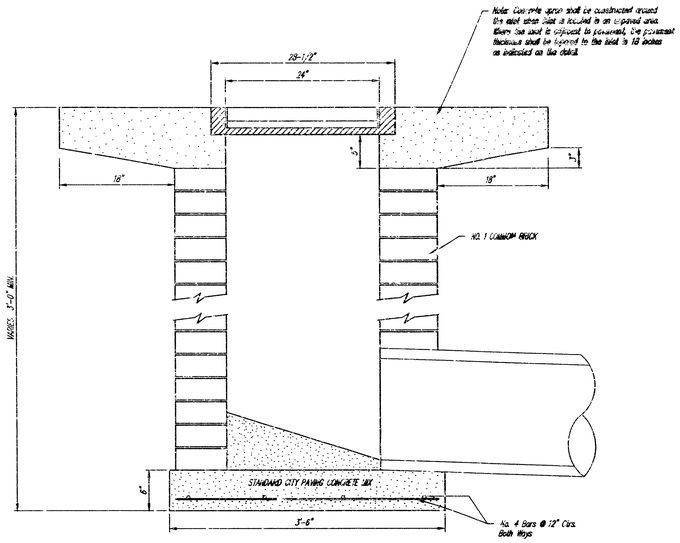
DEETER #2433 GRATE

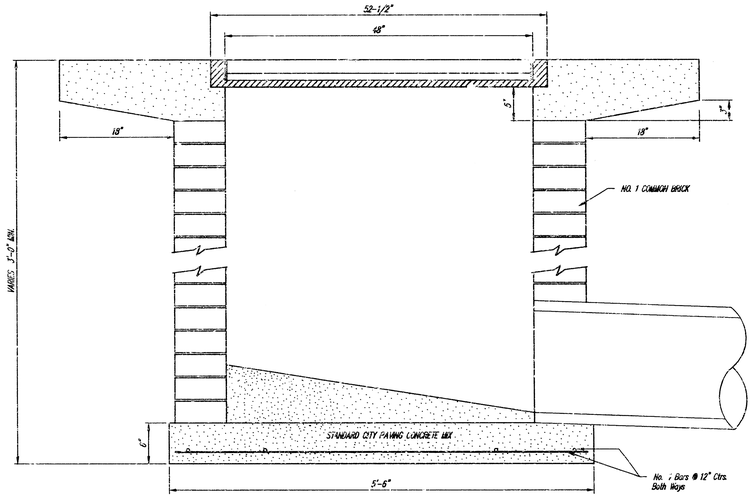
24" x 24" Frame and Grate Detail



Double 24" x 24" Frame Detail







LOT 1, BLK. A, WEST BANK 1st ADDITION
STANDARD DROP INLET DETAILS
WICHITA, KANSAS

SRB
924 NORTH MAIN
WICHITA, KANSAS 67203
316-264-8008
FAX 264-4621
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER
587 PPS (607861)

DESIGN	DRAWN	UTILITY	REVIEW	DATE	REVISED
	C.O.W.		Oct. 6, 1995		3-3-E

SHEET 5 OF 5 SHEETS

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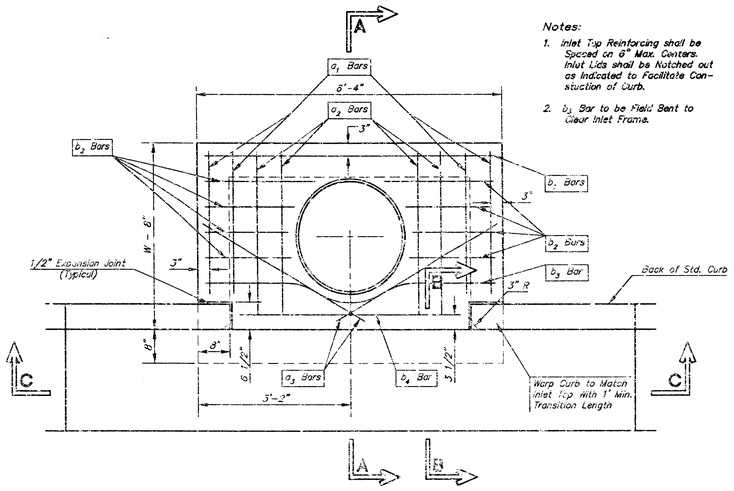
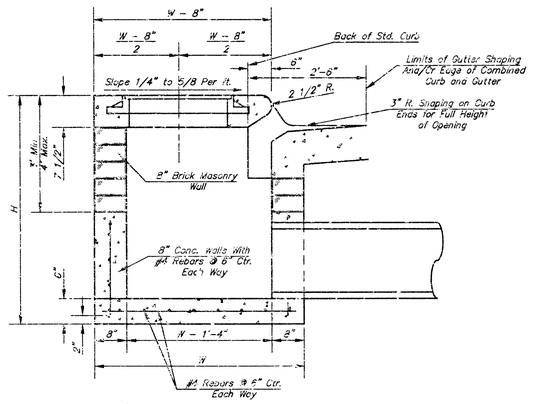


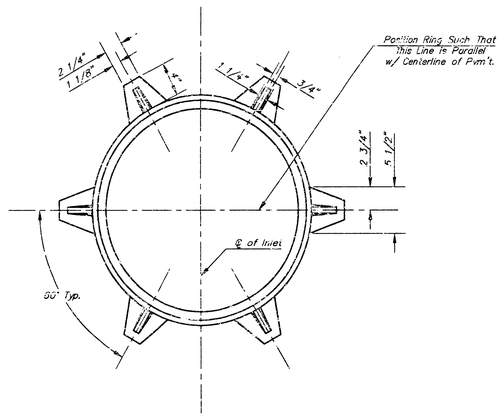
PLAN

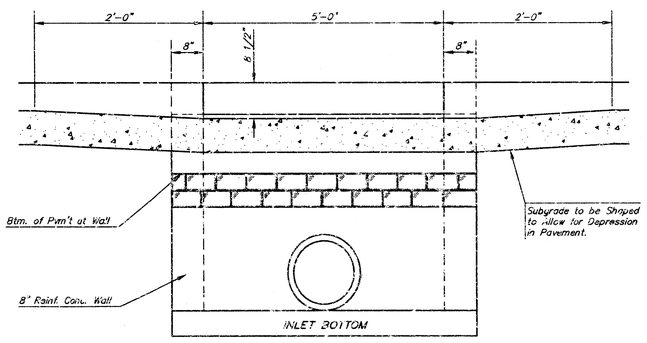
Notes:

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.

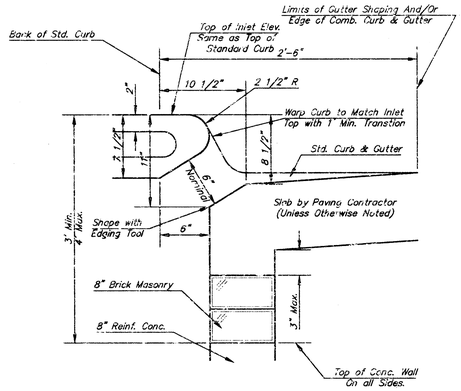


SECTION A-A

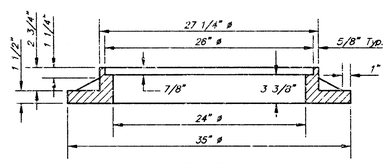




SECTION C-C



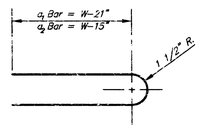
SECTION B-B



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"	5'-8"	81±
	W=6'-4"	9'-7"	10'-7"	6'-0"	–	–	8'-1"	–	–	1'-9"	6'-2"	6'-8"	101±
	W=7'-4"	11'-7"	12'-7"	7'-0"	–	–	–	10'-1"	–	1'-9"	6'-2"	7'-8"	121±
	W=8'-4"	13'-7"	14'-7"	8'-0"	–	–	–	–	12'-1"	1'-9"	6'-2"	8'-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.

LOT 1, BLK. A, WEST BANK 1st ADDITION

STANDARD TYPE 1 INLET DETAILS

WICHITA, KANSAS

SRB
926 NORTH MAIN
WICHITA, KANSAS 67203
316-264-8008
FAX 264-4621
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER: 587 PPS (607861)

DESIGN	DRAWN	UTILITY	REVIEW	DATE	REVISED
J. Lang	C.O.W.		Sep 11, 1995	T.C.R.	333E

SHEET 8 OF

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