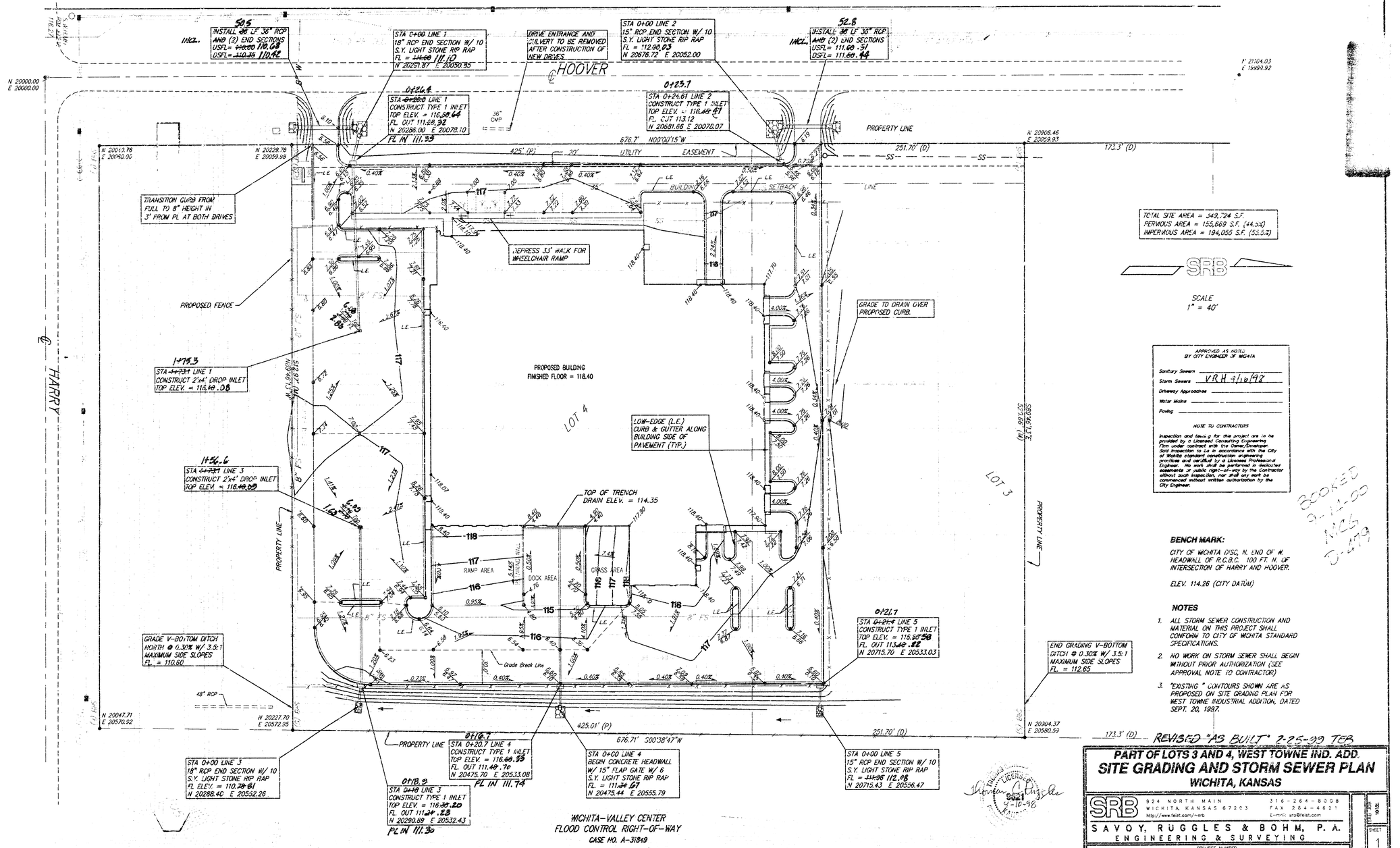
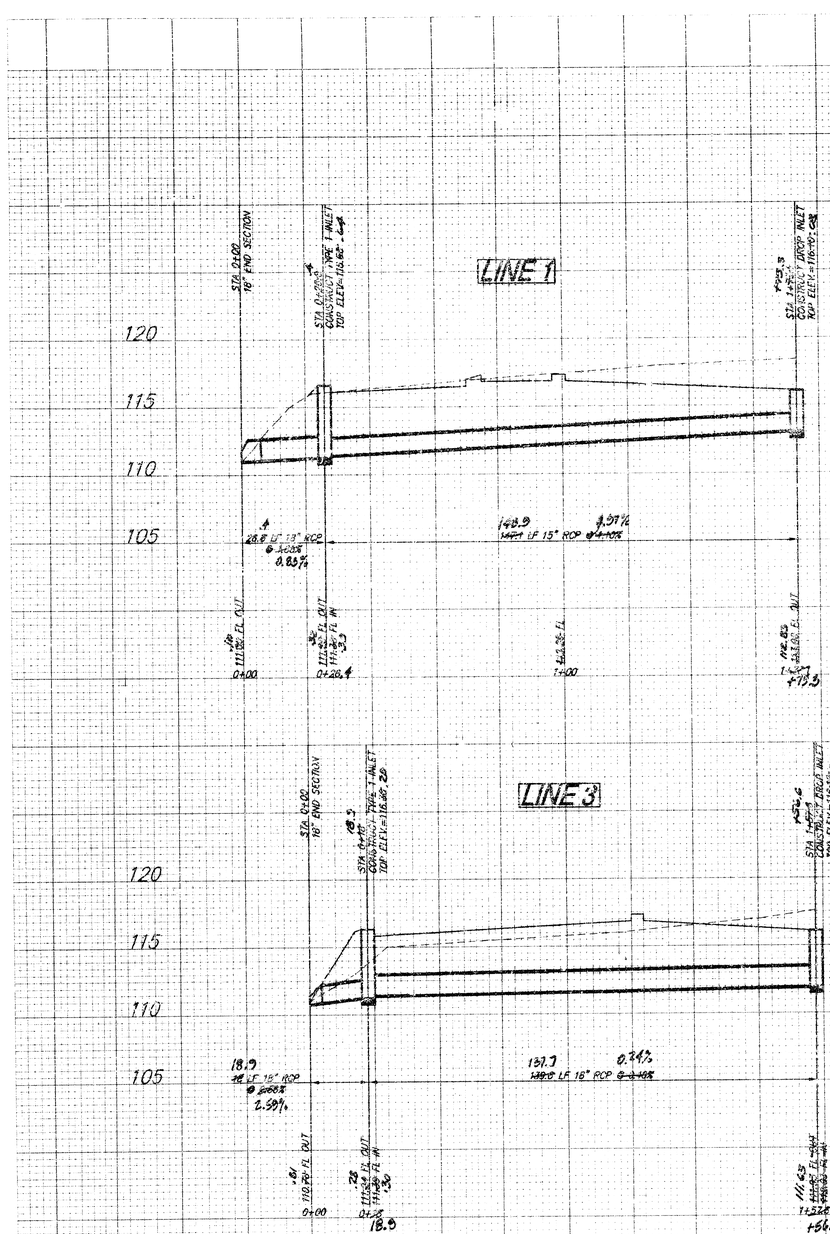
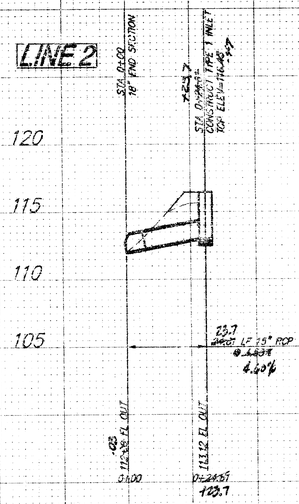
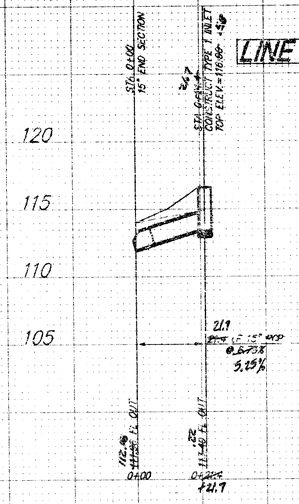
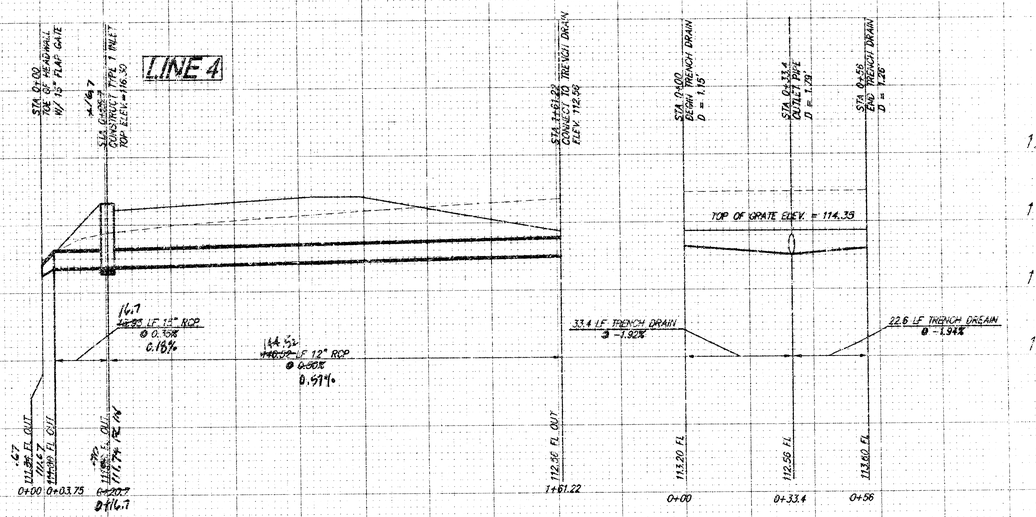

505
INCL. INSTALL 38 LF 36" RCP AND (2) END SECTIONS USFL= ~~110.00~~ 110.68 DSFL= ~~110.36~~ 110.42
STA 0+00 LINE 1 18" RCP END SECTION W/ 10 S.Y. LIGHT STONE RIP RAP FL = ~~111.00~~ 111.10 N 20251.87 E 20050.35
DRIVE ENTRANCE AND CULVERT TO BE REMOVED AFTER CONSTRUCTION OF NEW DRIVES
STA 0+00 LINE 2 15" RCP END SECTION W/ 10 S.Y. LIGHT STONE RIP RAP FL = 112.90.03 N 20876.72 E 20052.00
INCL. INSTALL 38 LF 36" RCP AND (2) END SECTIONS USFL= 111.60 .31 DSFL= 111.60 .44
52.8
HOOVER
0+26.4
STA ~~0+00.0~~ LINE 1 CONSTRUCT TYPE 1 INLET TOP ELEV. = 116.~~38~~.64 FL OUT 111.28.32 N 20286.00 E 20078.10 FL IN 111.33
0+23.7
STA 0+24.61 LINE 2 CONSTRUCT TYPE 1 INLET TOP ELEV. = 116.~~15~~.47 FL OUT 113.12 N 20581.86 E 20070.07
36" CMP
PROPERTY LINE
N 21104.03 E 19990.92
N 20000.00 E 20000.00
N 20010.76 E 20050.00
N 20229.76 E 20059.98
676.7' N00°00'15"W
425' (P)
20' UTILITY EASEMENT
251.70' (D)
N 20806.46 E 20059.93
173.3' (D)
BUILDING SETBACK LINE
TRANSITION CURB FROM FULL TO 8" HEIGHT IN 3' FROM PL AT BOTH DRIVES
DEPRESS 3.3' W.A.L.K FOR WHEELCHAIR RAMP
PROPOSED FENCE
GRADE TO DRAIN OVER PROPOSED CURB.
TOTAL SITE AREA = 349,724 S.F.
PERVIOUS AREA = 155,669 S.F. (44.5%)
IMPERVIOUS AREA = 194,055 S.F. (55.5%)
SRB
SCALE 1" = 40'
APPROVED AS NOTED BY CITY ENGINEER OF WICHITA
Sanitary Sewers
Storm Sewers VRH 3/16/98
Driveway Approaches
Water Mains
Paving
NOTE TO CONTRACTORS
Inspection and testing for the 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.
HARRY
PROPOSED BUILDING FINISHED FLOOR = 118.40
LOT 4
LOT 3
1+79.3
STA ~~1+73.1~~ LINE 1 CONSTRUCT 2'x4' DROP INLET TOP ELEV. = 116.~~19~~.08
1+56.6
STA ~~1+73.1~~ LINE 3 CONSTRUCT 2'x4' DROP INLET TOP ELEV. = 116.~~19~~.09
LOW-EDGE (L.E.) CURB & GUTTER ALONG BUILDING SIDE OF PAVEMENT (TYP.)
TOP OF TRENCH DRAIN ELEV. = 114.35
RAMP AREA
DOCK AREA
GRASS AREA
Grade Break Line
0+21.7
STA ~~0+21.4~~ LINE 5 CONSTRUCT TYPE 1 INLET TOP ELEV. = 116.~~87~~.58 FL OUT 113.~~46~~.22 N 20715.70 E 20533.03
GRADE V-BOTTOM DITCH NORTH @ 0.30% W/ 3.5:1 MAXIMUM SIDE SLOPES FL. = 110.60
END GRADING V-BOTTOM DITCH @ 0.30% W/ 3.5:1 MAXIMUM SIDE SLOPES FL. = 112.65
48" RCP
N 20047.71 E 20570.92
N 20227.70 E 20572.95
425.01' (P)
676.71' S00°38'47"W
251.70' (D)
173.3' (D)
N 20304.37 E 20580.59
PROPERTY LINE
0+16.7
STA 0+20.7 LINE 4 CONSTRUCT TYPE 1 INLET TOP ELEV. = 116.~~69~~.53 FL OUT 111.~~48~~.76 N 20475.70 E 20533.08 FL IN 111.74
STA 0+00 LINE 4 BEGIN CONCRETE HEADWALL W/ 15" FLAP GATE W/ 6 S.Y. LIGHT STONE RIP RAP FL. = 111.~~34~~.67 N 20475.44 E 20555.79
STA 0+00 LINE 5 15" RCP END SECTION W/ 10 S.Y. LIGHT STONE RIP RAP FL = ~~111.96~~ 112.08 N 20715.43 E 20556.47
STA 0+00 LINE 3 18" RCP END SECTION W/ 10 S.Y. LIGHT STONE RIP RAP FL ELEV. = 110.~~78~~.61 N 20288.40 E 20552.26
0+18.8
STA ~~0+19~~ LINE 3 CONSTRUCT TYPE 1 INLET TOP ELEV. = 116.~~30~~.20 FL OUT 111.~~24~~.23 N 20290.89 E 20532.43 FL IN 111.30
WICHITA-VALLEY CENTER FLOOD CONTROL RIGHT-OF-WAY CASE NO. A-31849
BENCH MARK:
CITY OF WICHITA DISC, N. END OF W. HEADWALL OF R.C.B.C. 100 FT. N. OF INTERSECTION OF HARRY AND HOOVER.
ELEV. 114.26 (CITY DATUM)
NOTES
1. ALL STORM SEWER CONSTRUCTION AND MATERIAL ON THIS PROJECT SHALL CONFORM TO CITY OF WICHITA STANDARD SPECIFICATIONS.
2. NO WORK ON STORM SEWER SHALL BEGIN WITHOUT PRIOR AUTHORIZATION (SEE APPROVAL NOTE TO CONTRACTOR)
3. "EXISTING" CONTOURS SHOWN ARE AS PROPOSED ON SITE GRADING PLAN FOR WEST TOWNE INDUSTRIAL ADDITION, DATED SEPT. 20, 1997.
APPROVED 3-11-99 MCG D-479
REVISED "AS BUILT" 2-25-99 TCR
PART OF LOTS 3 AND 4, WEST TOWNE IND. ADD.
SITE GRADING AND STORM SEWER PLAN
WICHITA, KANSAS
SRB
924 NORTH MAIN WICHITA, KANSAS 67203 316-264-8008 FAX 264-6421 http://www.feist.com/~srb E-mail: srb@feist.com
SAVOY, RUGGLES & BOHM, P.A. ENGINEERING & SURVEYING
PROJECT NUMBER 843 PPS (607861)
DESIGN TCR DRAWN EJG/KWL UTILITY - REVIEW DATE Sept. 10, '97 REVISED
Site Grading
SHEET 1 OF 5
UNIT 1 OF 1 UNITS









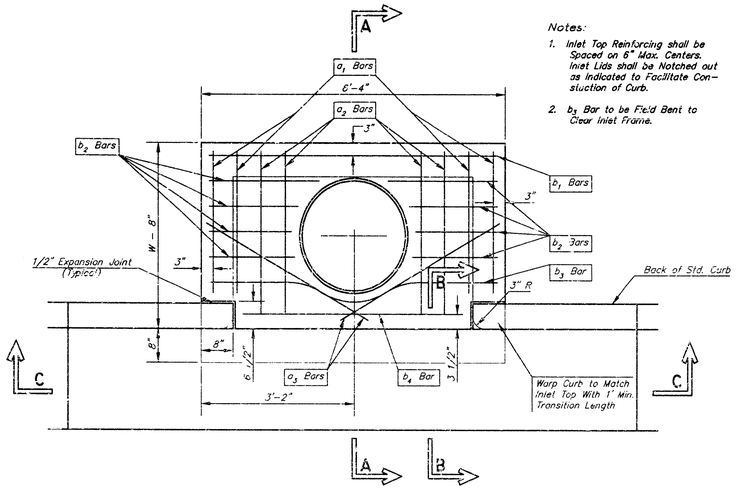
REVISED "AS BUILT" 2-23-99 TEB

STORM WATER SEWER PROFILES

LOTS 3 AND 4, WEST TOWNE INDUSTRIAL ADD.

843 PPS (607861)

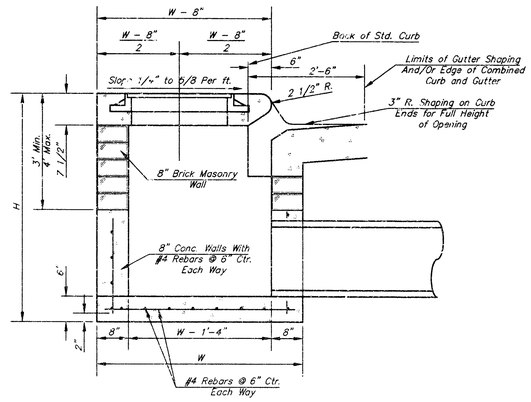
2/5



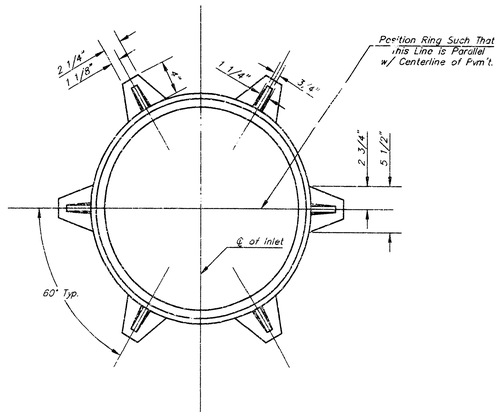
PLAN

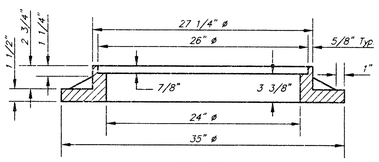
Notes:

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

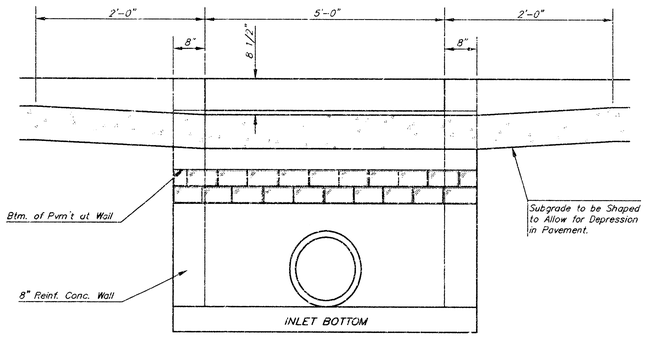




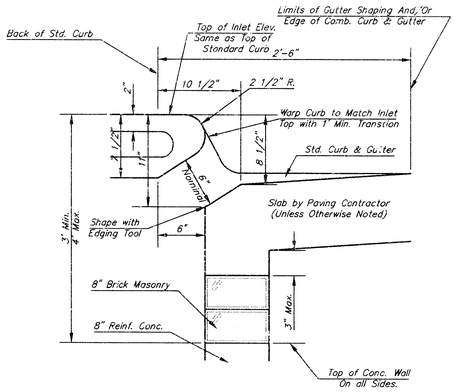
WT. = 180 lbs.

MANHOLE RING AND COVER

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



SECTION C–C



SECTION B–B

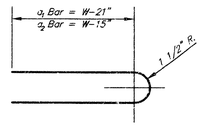
STEEL SCHEDULE

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±



BENDING DIAGRAM

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.

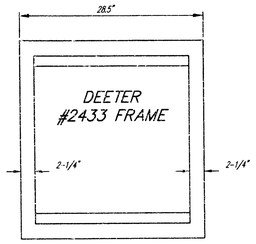
THE CITY OF WICHITA
CITY ENGINEER'S OFFICE
CITY HALL – SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4351
(316) 268-4114 FAX

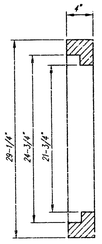
STANDARD TYPE 1 CURB INLET OPENING = 6"x5'-0"

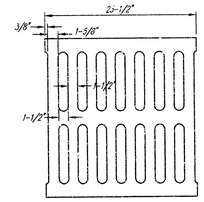
M. E. LINDEBAK P.E. – CITY ENGINEER

PROJECT NUMBER	INDEX CODE
843 PPS	(607861)

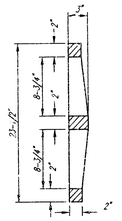
DATE MAR 96





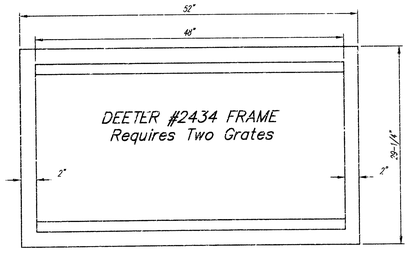


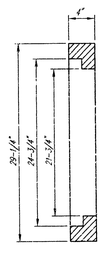
DEETER #2433 GRATE



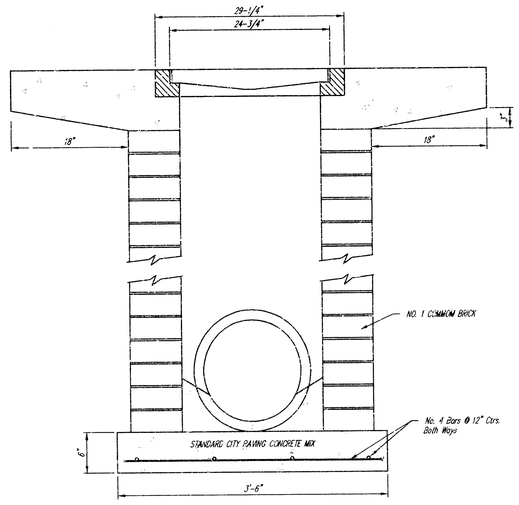
NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be approved by the engineer.

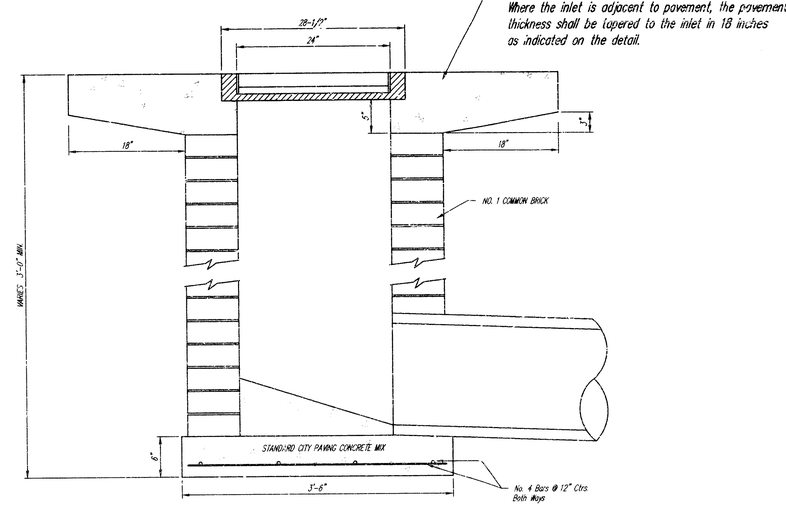
24" x 24" Frame and Grate Detail

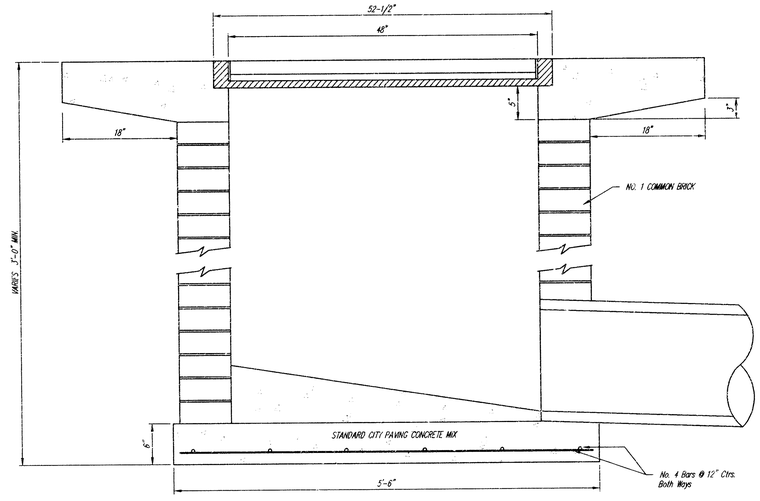




Double 24" x 24" Frame Detail





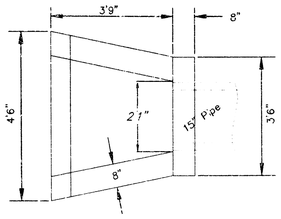


THE CITY OF WICHITA
CITY ENGINEER'S OFFICE
CITY HALL - 8TH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4691
(316) 268-4114 FAX

DROP INLET
2'x2' / 2'x4'

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

PROJECT NUMBER	INDEX CODE
843 PPS	(607861)
DATE MAR 96	SHEET 4 OF 5

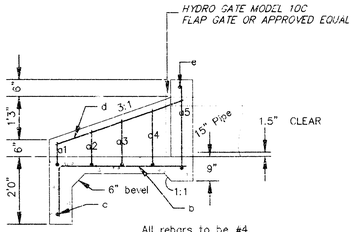


PLAN

TABLE OF CONTENTS				
BAR	NUMBER	LENGTH	SHAPE	WEIGHT
a1	1	5'0"		3.34
a2	1	5'3"		3.51
a3	1	5'8"		3.79
a4	1	6'1"		4.06
a5	1	7'2"		4.79
b	5	5'6"		18.37
c	1	4'0"		2.67
d	2	4'0"		5.34
e	1	3'2"		2.12
Total Rebar, lbs				47.99
Concrete, C.Y.				0.91

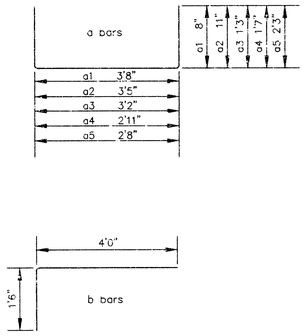
All rebars to be #4.

HEADWALL FOR 15" PIPE

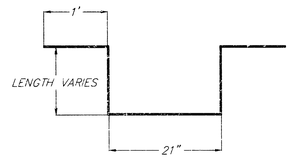


All rebars to be #4.
All exposed edges to have 1/2" bevel.

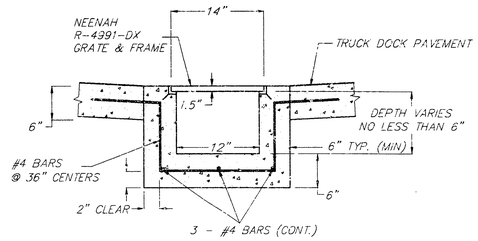
SECTION



HEAD WALL DETAIL WITH FLAP GATE



#4 BENT REBAR



TRENCH DRAIN DETAIL

Miscellaneous Storm Water Sewer Details
ICT (60 VAN) CITY STATION FACILITY
WICHITA, KANSAS

SRB
924 NORTH MAIN
WICHITA, KANSAS 67203
http://www.feist.com/~srb
316-264-8008
FAX 264-4621
E-mail: srb@feist.com
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER
843 PPS (607861)

DESIGN	DRAWN	UTILITY	REVIEW	DATE	REVISED
TCR	EJG			Sept. 10, 1999	

DETAILS
ISSUE JOB
SHEET 5 of 5