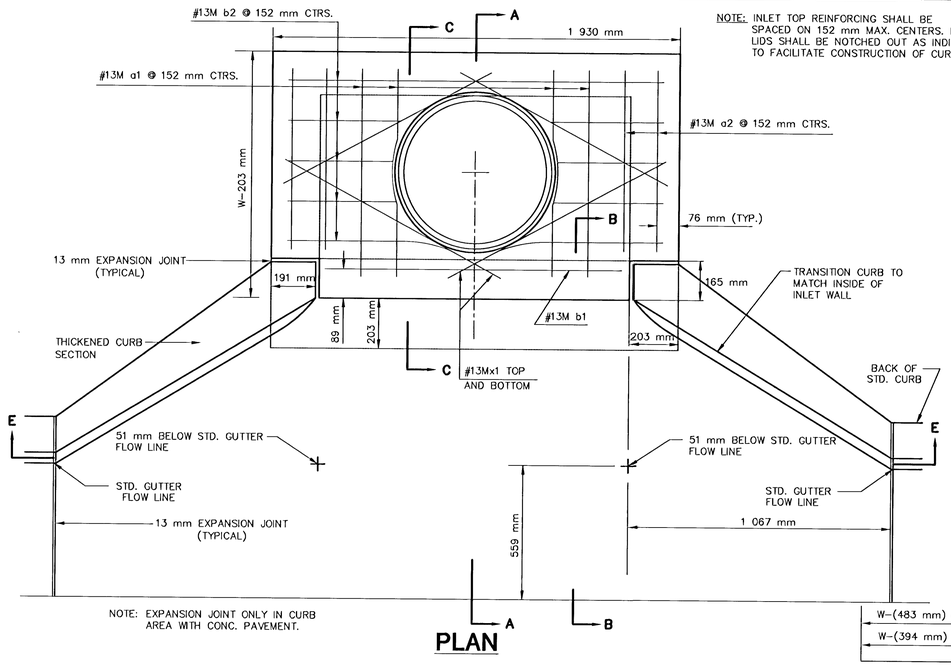
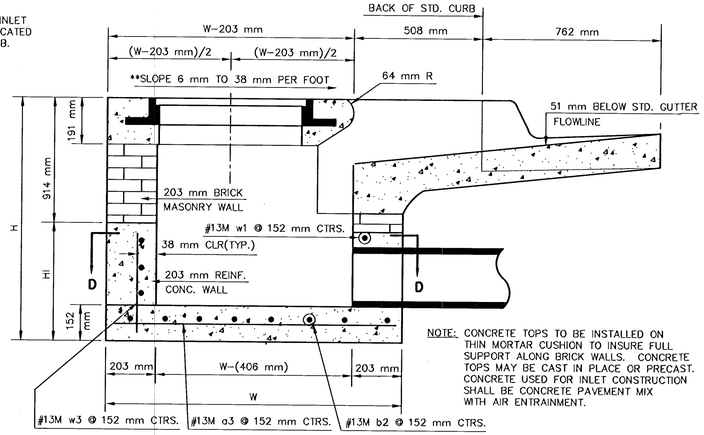
FHWA REG NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	SHEETS
7	KANSAS	STP-N012(901)	1999	51	131



NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 152 mm MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

PLAN



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.

SECTION A-A

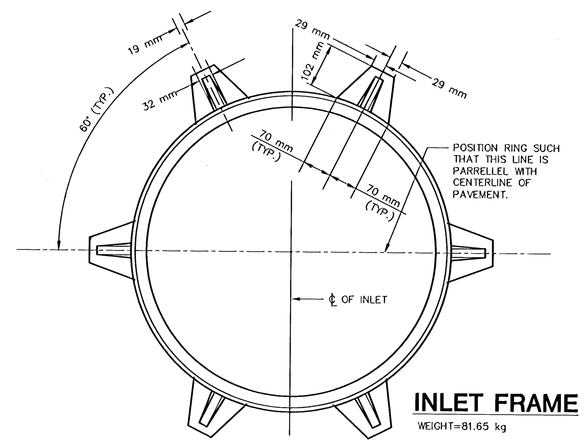
NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 203 mm BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W=1 930 mm AND H=2 134 mm OR LESS.

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.

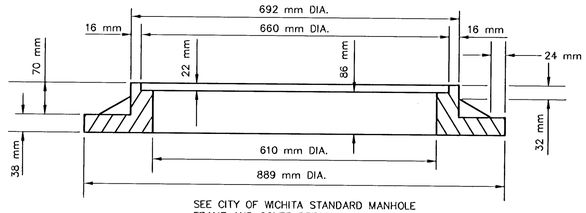
THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

**NOTE: SLOPE OF INLET TOPS TO MATCH SIDEWALK OR PARKING SLOPES WITHIN LIMITS INDICATED.



INLET FRAME

WEIGHT=81.65 kg



SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.

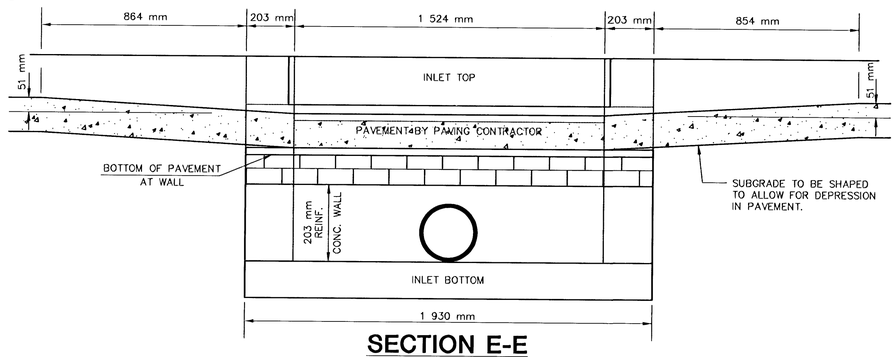
PRECAST SLAB AND FLOOR REINFORCING

		W=1 321 mm		W=1 626 mm		W=1 930 mm		W=2 235 mm		W=2 337 mm	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
*a1	#13M	6	2 007 mm	6	2 616 mm	6	3 226 mm	6	3 835 mm	6	4 445
a2	#13M	4	1 829 mm	4	2 438 mm	4	3 048 mm	4	3 658 mm	4	4 267 mm
a3	#13M	13	1 245 mm	13	1 549 mm	13	1 854 mm	13	2 159 mm	13	2 464 mm
b1	#13M	1	1 448 mm	1	1 448 mm	1	1 448 mm	1	1 448 mm	1	1 448 mm
*b2	#13M	23	1 854 mm	29	1 854 mm	35	1 854 mm	41	1 854 mm	47	1 854 mm
x1	#13M	8	1 168 mm	8	1 270 mm	8	1 372 mm	8	1 473 mm	8	1 575 mm

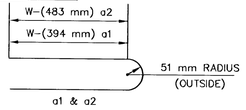
WALL REINFORCING

		W=1 321 mm		W=1 626 mm		W=1 930 mm		W=2 235 mm		W=2 337 mm	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
w1	#13M	①	1 854 mm	①	1 854 mm	①	1 854 mm	①	1 854 mm	①	1 854 mm
w2	#13M	①	1 245 mm	①	1 549 mm	①	1 854 mm	①	2 159 mm	①	2 464 mm
w3	#13M	32	②	36	②	40	②	44	②	48	②

* FIELD BEND OR CUT REINFORCING AS REQUIRED FOR CLEARANCE
① 4(HI-305 mm); (HI-305 mm) ROUND DOWN TO NEAREST 0.15 m
② HI-76 mm

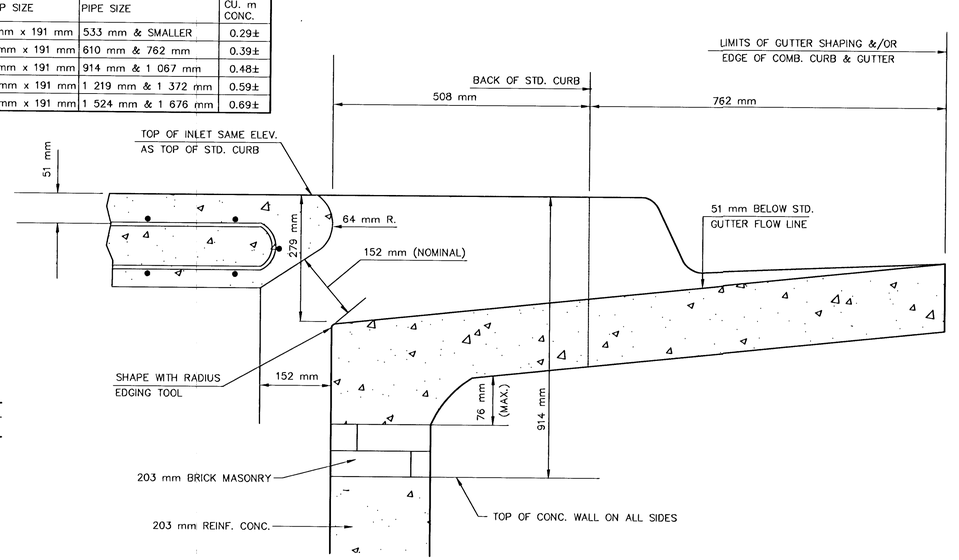


SECTION E-E

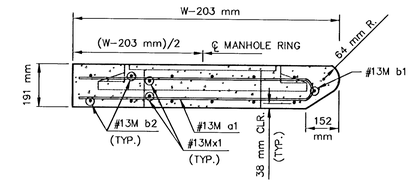


BENDING DIAGRAM

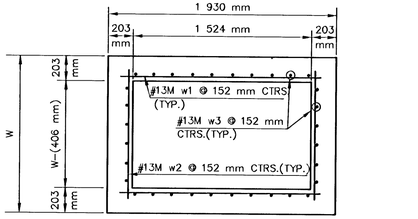
STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. m CONC.
1 321 mm	1 118 x 1 930 mm x 191 mm	533 mm & SMALLER	0.29±
1 626 mm	1 422 x 1 930 mm x 191 mm	610 mm & 762 mm	0.39±
1 930 mm	1 727 x 1 930 mm x 191 mm	914 mm & 1 067 mm	0.48±
2 235 mm	2 032 x 1 930 mm x 191 mm	1 219 mm & 1 372 mm	0.59±
2 540 mm	2 337 x 1 930 mm x 191 mm	1 524 mm & 1 676 mm	0.69±



SECTION B-B



SECTION C-C



SECTION D-D

KANSAS DEPARTMENT OF TRANSPORTATION

STANDARD TYPE 1A CURB INLET

INLET OPENING=152 mm x 1 524 mm

PROJ. NO. SEDGWICK CO.

MID-KANSAS ENGINEERING CONSULTANTS, INC.

WICHITA, KANSAS

DESIGNED BY:	MJV	CHECKED BY:	DCH
DRAWN BY:	DPG	DATE: MAY 1999	SHEET 51 OF 131

G:\CIVIL\PAN-WEBB\98171\DETAILS\16X5-1AS1.DWG Mon Jul 17 15:58:41 2000

E:\civil\case-webb\98171\details\16x5-1as1