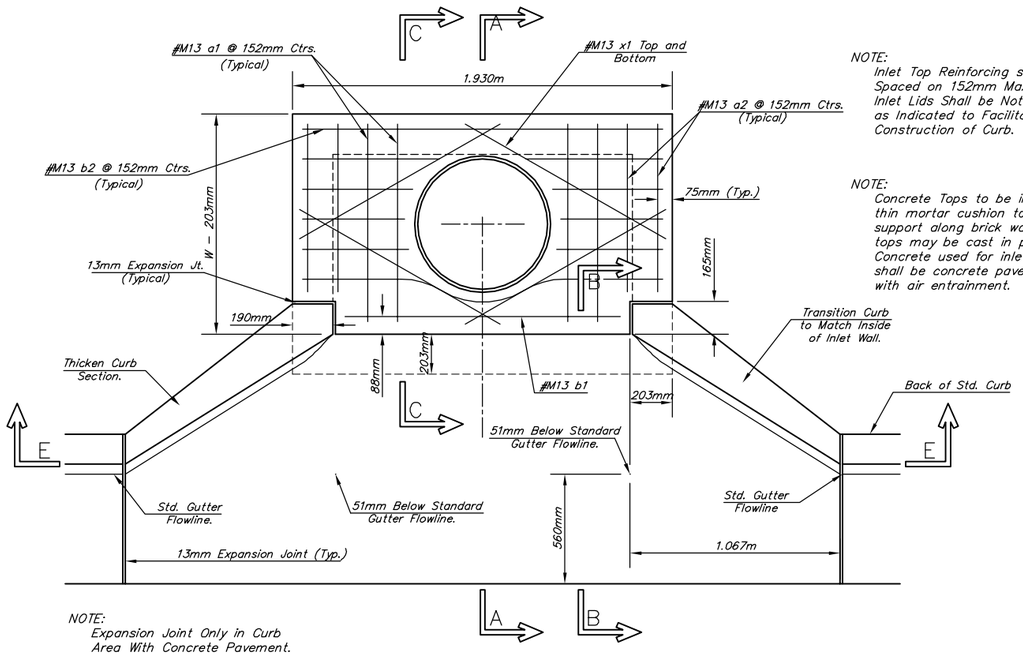
FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTA SHEET
7	KANSAS	87 N-0226-01	2006	40	118

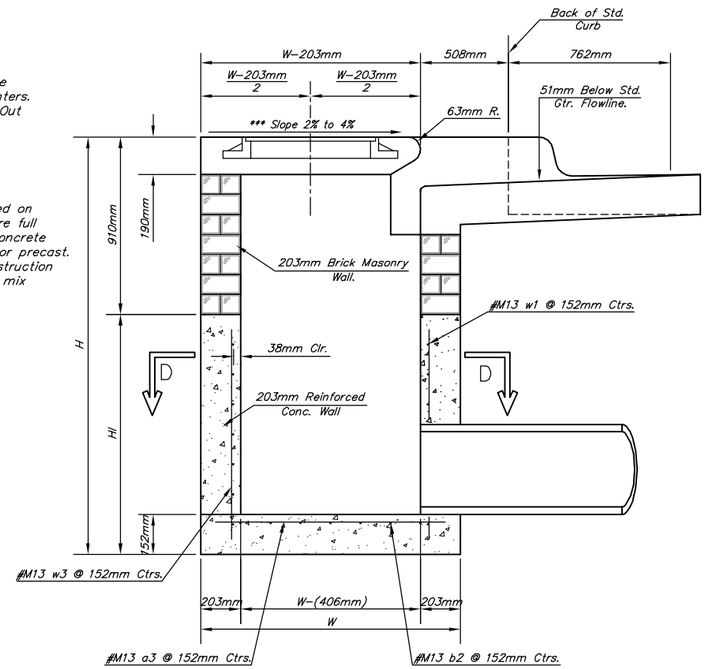


NOTE:
Expansion Joint Only in Curb Area With Concrete Pavement.

NOTE:
Inlet Top Reinforcing shall be Spaced on 152mm Max. Centers. Inlet Lids Shall be Notched Out as Indicated to Facilitate Construction of Curb.

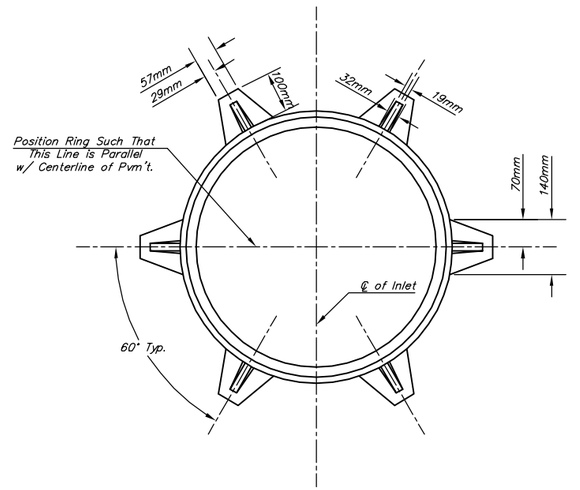
NOTE:
Concrete Tops to be installed on thin mortar cushion to insure full support along brick walls. Concrete tops may be cast in place or precast. Concrete used for inlet construction shall be concrete pavement mix with air entrainment.

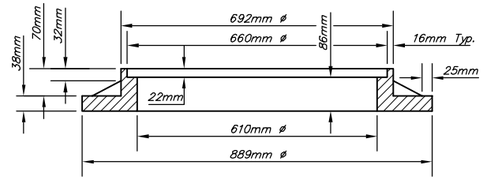
PLAN



SECTION A–A

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

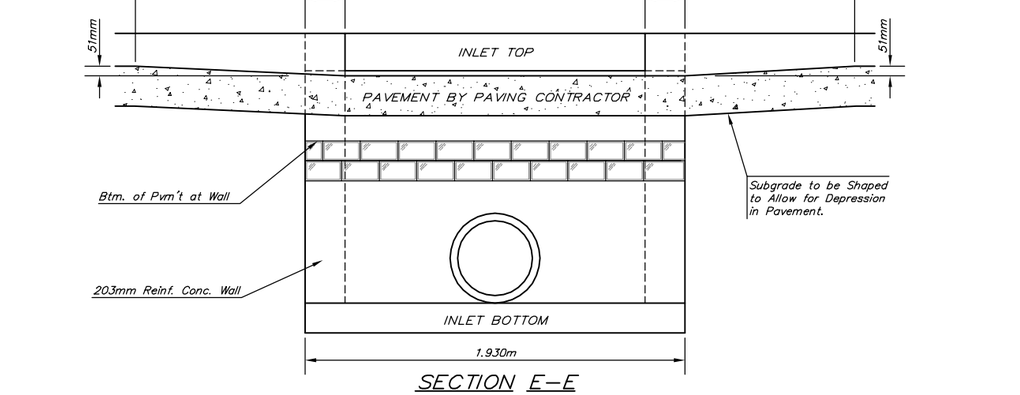




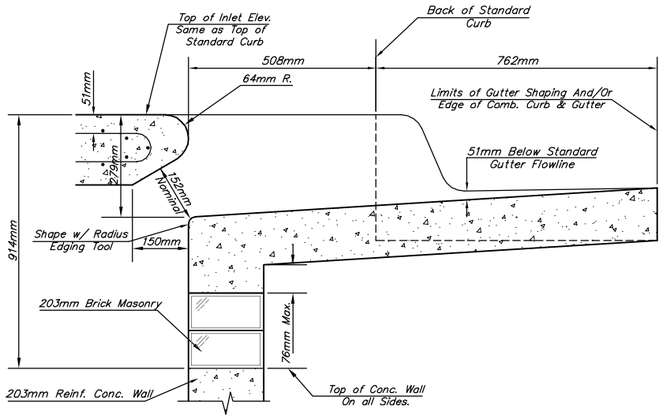
MANHOLE RING AND COVER

Weight = 81.6kg

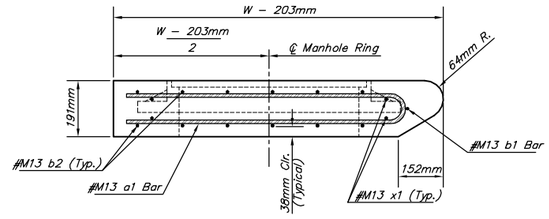
*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.



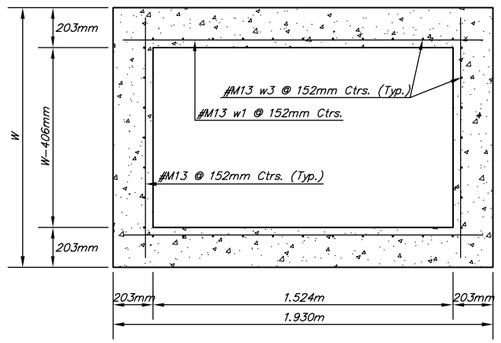
SECTION E–E



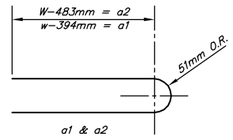
SECTION B–B



SECTION C–C



SECTION D–D



BENDING DIAGRAM

PRECAST SLAB AND FLOOR REINFORCING											
		W = 1.321m		W = 1.626m		W = 1.930m		W = 2.235m		W = 2.540m	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
* a1	#M13	6	2.007m	6	2.616m	6	3.226m	6	3.835m	6	4.445m
a2	#M13	4	1.829m	4	2.438m	4	3.048m	4	3.658m	4	4.267m
a3	#M13	13	1.245m	13	1.549m	13	1.854m	13	2.159m	13	2.464m
b1	#M13	1	1.448m	1	1.448m	1	1.448m	1	1.448m	1	1.448m
* b2	#M13	23	1.854m	29	1.854m	35	1.854m	41	1.854m	47	1.854m
x1	#M13	8	1.168m	8	1.270m	8	1.372m	8	1.473m	8	1.575m
WALL REINFORCING											
		W = 1.321m		W = 1.626m		W = 1.930m		W = 2.235m		W = 2.540m	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
w1	#M13	①	1.854m	①	1.854m	①	1.854m	①	1.854m	①	1.854m
w2	#M13	①	1.245	①	1.549	①	1.854m	①	2.159m	①	2.464m
w3	#M13	32	②	36	②	40	②	44	②	48	②

* Field Bend or Cut Reinforcing as Required for Clearance.
① 4 (HI – 305mm) (HI – 533mm) Rounded down to nearest 13mm
② HI – 152mm

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. m. CONC.
1.321m	1.118mm x 1.930m x 191mm	533mm & SMALLER	0.29±
1.626m	1.422m x 1.930m x 191mm	610mm & 762mm	0.39±
1.930m	1.727m x 1.930m x 191mm	914mm & 1.067m	0.50±
2.235m	2.032m x 1.930m x 191mm	1.219m & 1.372m	0.59±
2.540m	2.337m x 1.930m x 191mm	1.524m & 1.676m	0.69±

NOTE: Contractor shall have the option of constructing 203mm brick masonry walls between the concrete inlet base and top on this inlet when W=1.930m and H=2.134 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

KDOT METRIC

Revised - Feb. 16, 1989

PROJECT NUMBER	SHEET NAME	ENGINEERING DIRECTORY
472-83862	Mstyp1A-s	F:\\Hillside\Details

DESIGN	DRAWN	APPROVED	DATE	SCALE	BAUGHMAN NO
Staff	Staff	JFB	May 2006	None	01-03-E947

CAPITAL IMPROVEMENT PROJECT

STANDARD TYPE 1A SINGLE CURB INLET DETAILS

INLET OPENING - 152mm X 1.524m

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 * 315 ELLIS * WICHITA, KANSAS 67211

SHEET 40 OF 118