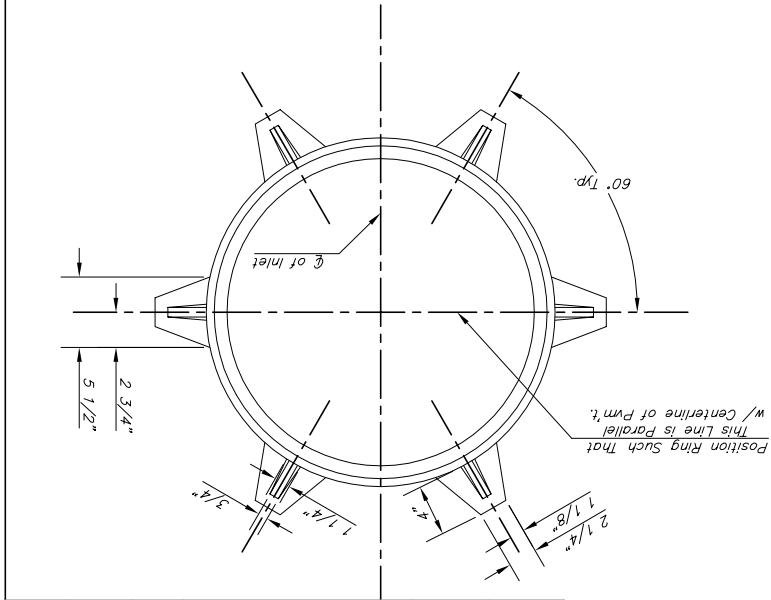


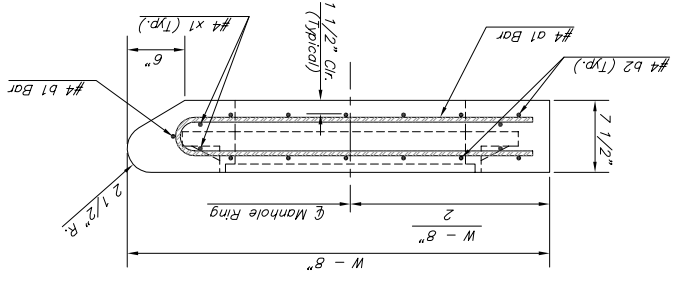
FHWA REG NO.	7
STATE	KANSAS
PROJECT NO.	87 N-0301-01
YEAR	2003
SHEET NO.	19
TOTAL SHEETS	36



MANHOLE RING AND COVER  
Weight = 180 lbs.  
\*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used with Inlet Frame.

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8" x 6'-4" x 7 1/2"	21" & SMALLER	0.384
5'-4"	4'-8" x 6'-4" x 7 1/2"	24" & 30"	0.514
6'-4"	5'-8" x 6'-4" x 7 1/2"	36" & 42"	0.644
7'-4"	6'-8" x 6'-4" x 7 1/2"	48" & 54"	0.774
8'-4"	7'-8" x 6'-4" x 7 1/2"	60" & 66"	0.904

SECTION A-A



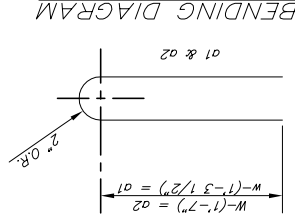
THE CITY OF WICHITA  
CITY ENGINEER'S OFFICE  
455 NORTH MAIN STREET  
WICHITA, KANSAS 67202  
(316) 268-4501  
(316) 268-4114 FAX

PROJECT NUMBER 472-83890  
OCA NUMBER 706875

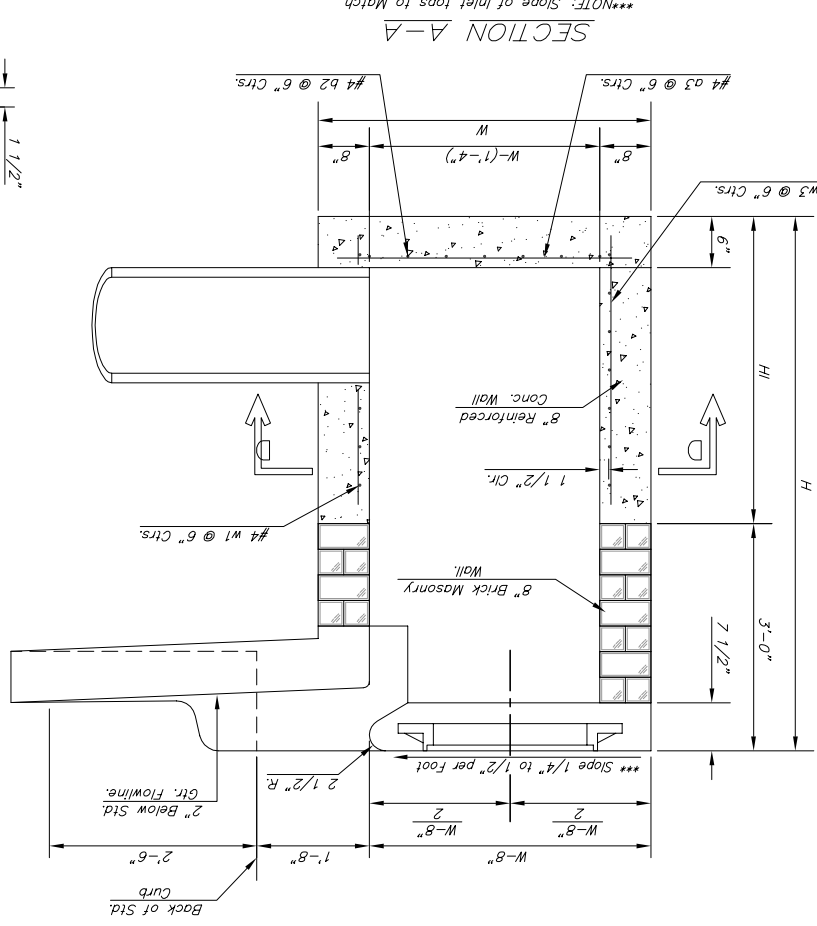
NEIL D CABLE P.E. - CITY ENGINEER

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

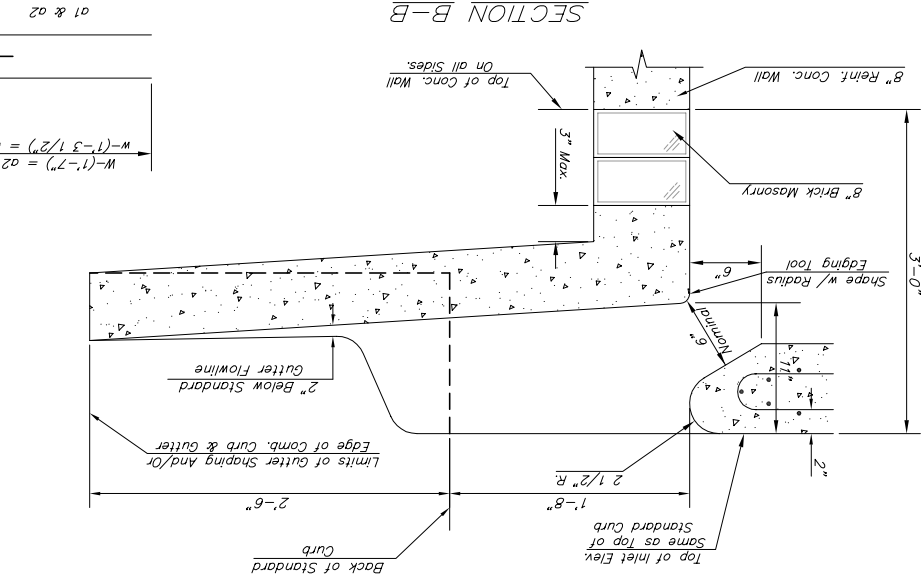
DATE JUN 01  
SHEET 19 OF 36



BENDING DIAGRAM



SECTION A-A  
\*\*\*NOTE: Slope of inlet tops to match Sidewalk or Parking Slopes within Limits indicated.

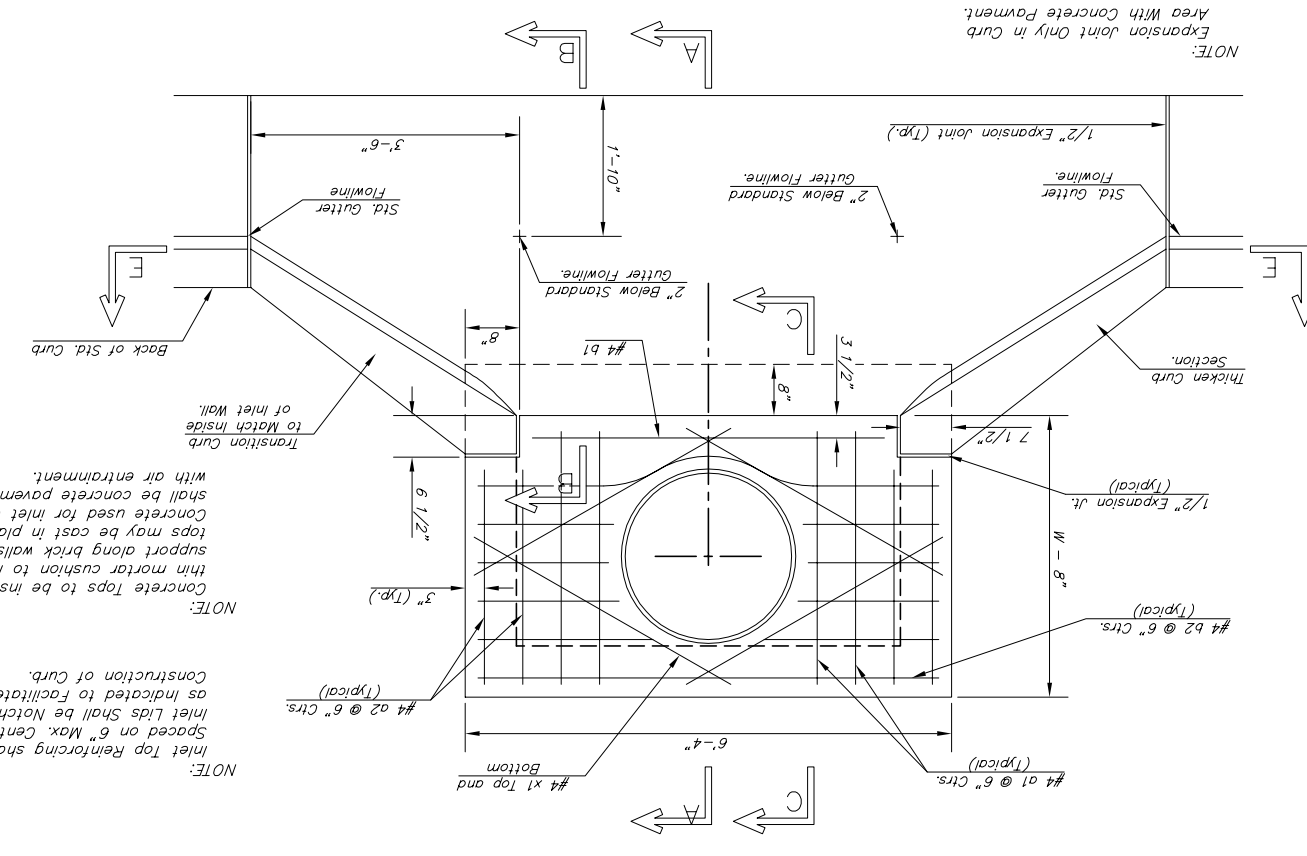


SECTION B-B

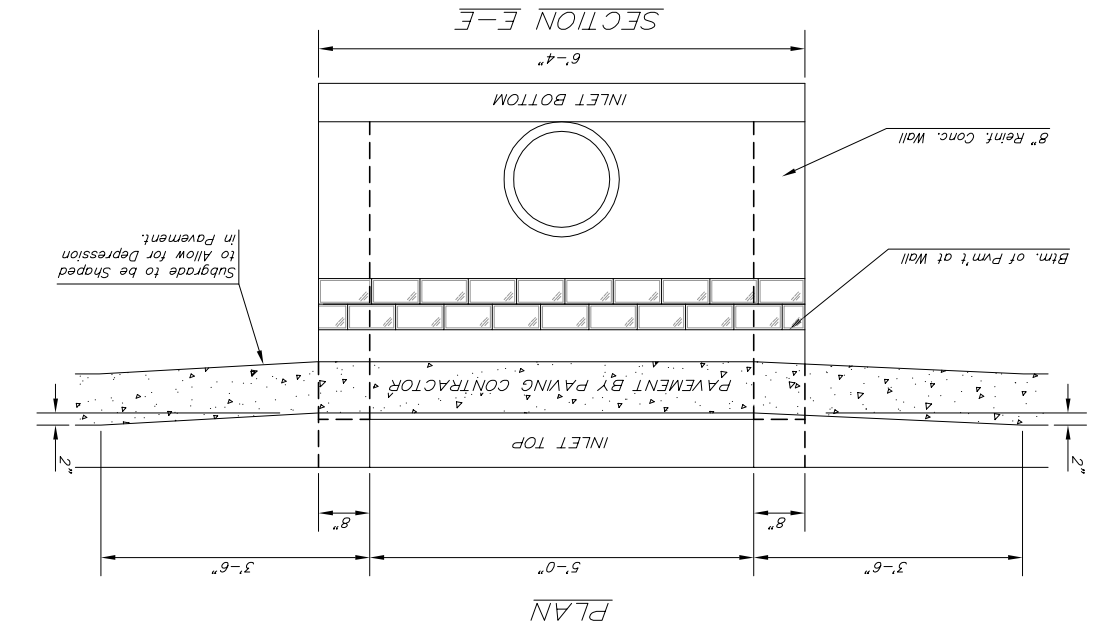
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
*a1	#4	6	6'-7"	6	10'-7"	6	12'-7"	6	14'-7"	6	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"	13	8'-1"
b1	#4	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"
*b2	#4	23	6'-1"	29	6'-1"	35	6'-1"	41	6'-1"	47	6'-1"
#4	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"	8	5'-2"
WALL REINFORCING											
W = 4'-4" W = 5'-4" W = 6'-4" W = 7'-4" W = 8'-4"											
PRECAST SLAB AND FLOOR REINFORCING											
W = 4'-4" W = 5'-4" W = 6'-4" W = 7'-4" W = 8'-4"											
#4	#4	32	4'-1"	36	4'-2"	40	4'-3"	44	4'-4"	48	4'-5"
w1	#4	1	6'-1"	1	6'-1"	1	6'-1"	1	6'-1"	1	6'-1"
w2	#4	1	6'-1"	1	6'-1"	1	6'-1"	1	6'-1"	1	6'-1"
w3	#4	1	6'-1"	1	6'-1"	1	6'-1"	1	6'-1"	1	6'-1"
* Field Bend or Cut Reinforcing as Required for Clearance											
① 4 (H - 12") (H - 21") Rounded down to nearest 0.5"											
② H - 3"											

NOTE: Inlet Top Reinforcing shall be Spaced on 6" 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 shall be cast in place or precast. Concrete used for inlet construction with air entrainment. Inlet shall be concrete pavement mix.



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



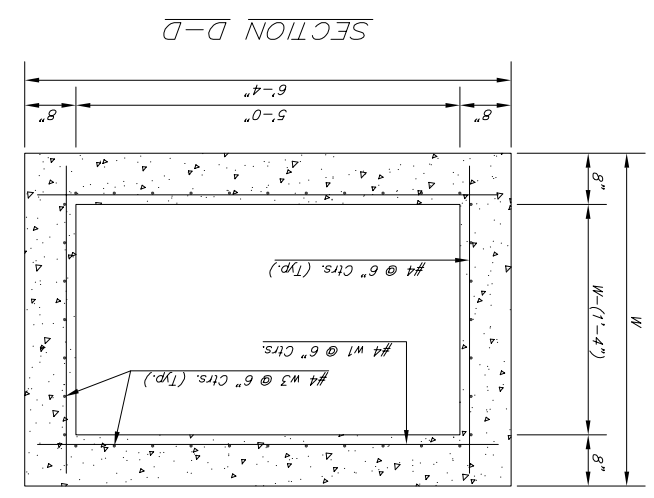
SECTION E-E

NOTE: 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.

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.



SECTION D-D