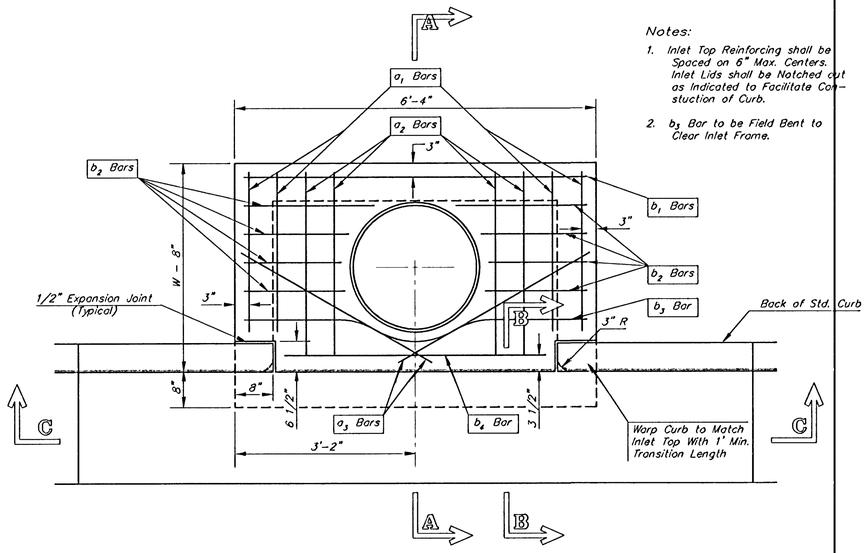
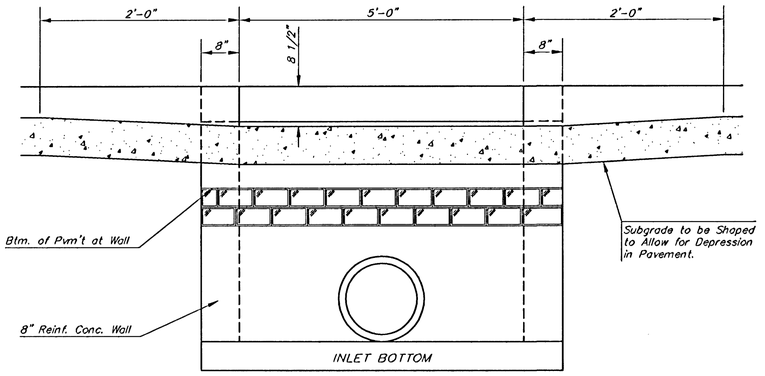



PLAN

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.



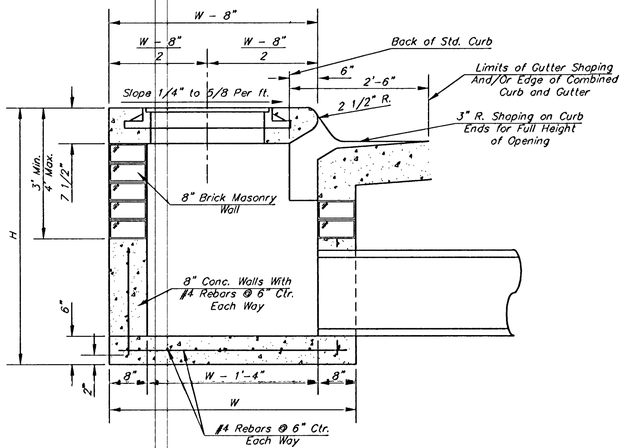

SECTION C–C

STEEL SCHEDULE

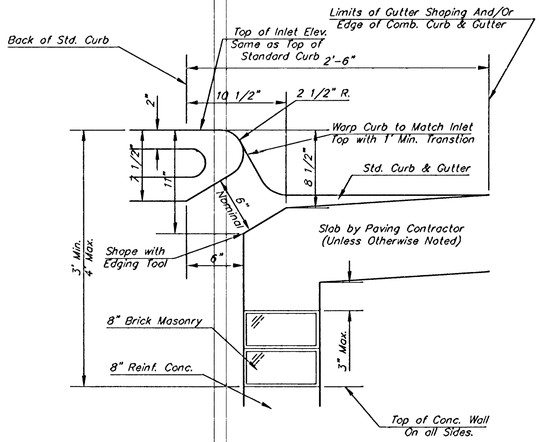
| BAR | | $a_1$ | $a_2$ | $a_3$ | $b_1$ W=4'-4" | $b_1$ W=5'-4" | $b_1$ W=6'-4" | $b_1$ W=7'-4" | $b_1$ W=8'-4" | $b_2$ | $b_3$ | $b_4$ | Wt. Lbs. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER | | 4 | 4 | 2 | 1 | 3 | 5 | 7 | 9 | 6 | 1 | 1 | |
| SIZE | | #4 | #4 | #4 | #4 | #4 | #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± |



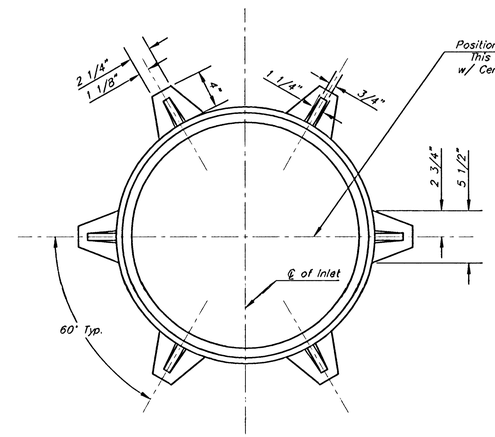

SECTION A–A

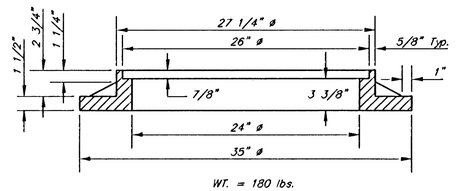



SECTION B–B

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.

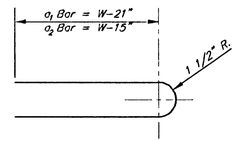



Wt. = 180 lbs.

MANHOLE RING AND COVER

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




BENDING DIAGRAM


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


# STANDARD TYPE 1 CURB INLET

## OPENING = 6" x 5'-0"

JAMES L. ARMOUR, P.E. – CITY ENGINEER

| PROJECT NUMBER | OCA NO. |
|---|---|
| 1675 PPS | (607861) |
| DATE: MAR 96 | SHEET C4.7 |


Saved 06-19-2006 4:07:40 PM by SAW
Plot Scale 1:1 06-22-2006 1:34:47 PM by SAW
A:\2006\06251\Std. Detail\Private Plans\SS\06251-C-Type 1 Curb Inlet