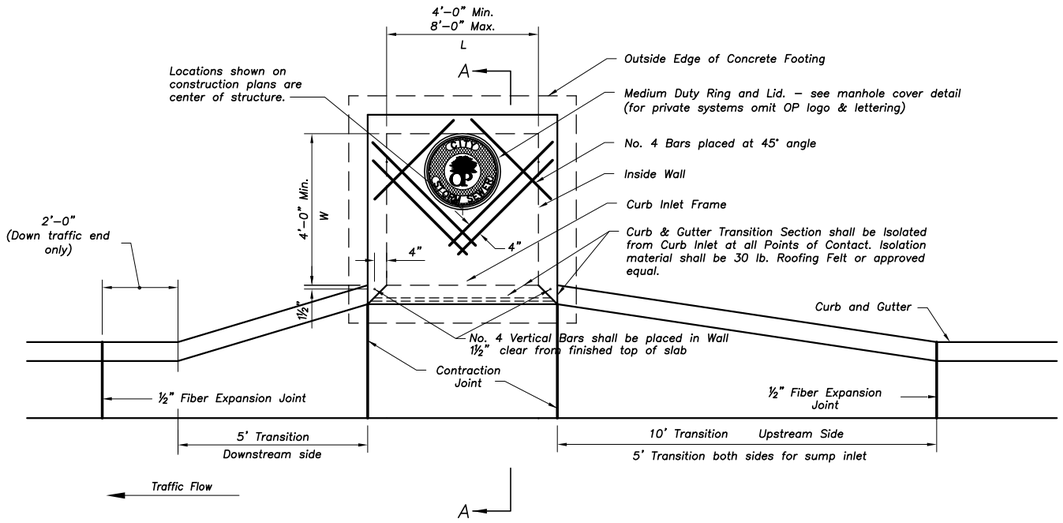
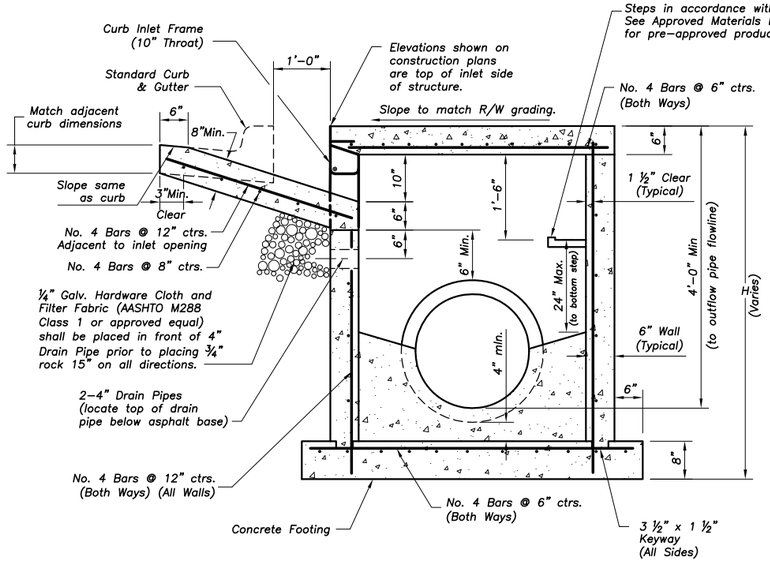


Plan
Not to Scale



Section A–A
Not to Scale

CURB INLET (10" THROAT)

(2008 Edition)

Curb Inlet Notes

General

1. All storm sewer structures shall be pre–cast or poured in place. If pre–cast structures are used, the tops shall be poured in place and the wall steel shall be left exposed to a height 2" below the finish top elevation, or as directed by the City Engineer.
2. Pre–cast shop drawings are to be approved by the City Engineer for publicly financed or administered projects. Pre–cast shop drawings for privately financed projects are to be submitted to the Engineering Services Division of the Planning and Development Services Department.
3. Do not scale these drawings for dimensions or clearances. Any questions regarding dimensions shall be brought to the attention of the City Engineer prior to construction.
4. On–grade inlets shall conform to the street grade and sump inlets shall be level.
5. The first dimension listed in the construction notes is the "L" dimension. The second dimension is the "W" dimension. The concrete thickness and reinforcement shown is for boxes with ("L"+"H") and ("W"+"H") less then or equal to 20. For boxes with either of these calculations greater than 20, a special design is required.

Concrete

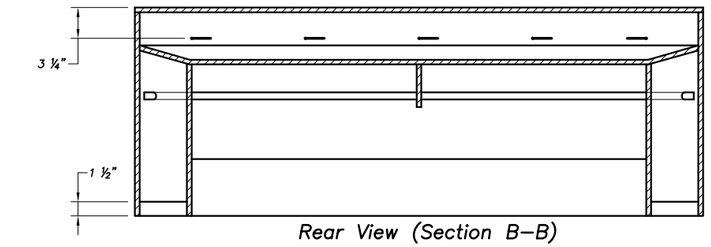
6. Concrete used in this work shall be KCMMB4K, as approved by the Kansas City Metropolitan Materials Board, and shall meet the requirements of the Overland Park Municipal Code.
7. Concrete construction shall meet the applicable requirements of Standard Specifications for State Road and Bridge Construction, Kansas Department of Transportation, latest edition, except as modified in the Overland Park Municipal Code.
8. Inlet floors shall be shaped with non–reinforced concrete inverts to provide smooth flow.
9. Bevel all exposed edges with ¾" triangular molding.

Reinforcing Steel

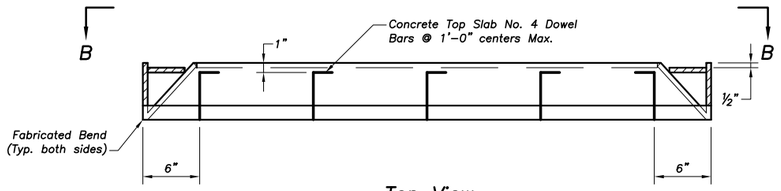
10. Reinforcing steel shall be new billet, minimum Grade 60 as per ASTM A615M, and shall be bent cold.
11. All dimensions relative to reinforcing steel are to centerline of bars. 2" clearance shall be provided throughout unless noted otherwise. Tolerance of +/– ⅛"shall be permitted.
12. All lap splices not shown shall be a minimum of 40 bar diameters in length.
13. All reinforcing steel shall be supported on fabricated steel bar supports @ 3'–0" maximum spacing.
14. All dowels shall be accurately placed and securely tied in place prior to placement of bottom slab concrete. Sticking of dowels into fresh or partially hardened concrete will not be acceptable.

Construction

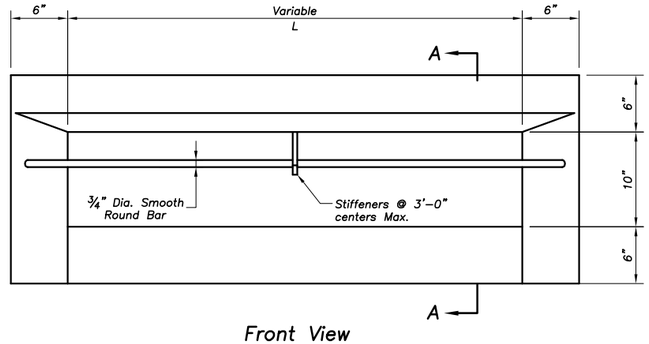
15. The bottom slab shall be at least 24 hours old before placing sidewall concrete. All sidewall forms shall remain in place a minimum of 24 hours after sidewalls are poured before removal, and after removal shall be immediately treated with membrane curing compound.
16. All curb inlet tops are to be constructed after final curb string line has been approved by the Engineer and prior to curb construction, or as directed by the City Engineer.
17. Pipe connections to pre–cast structures shall have a minimum of 6" of concrete around the entire pipe within 2' of the structure.
18. Material selection and compaction requirements for backfill around structures shall be as specified in the Manual of Infrastructure Standards, as promulgated by the City Engineer.



Rear View (Section B–B)
Not to Scale



Top View
Not to Scale



Front View
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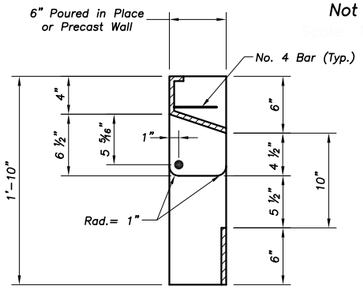

Side View (Section A–A)
Not to Scale

Steel Inlet Frame Notes

1. All welds shall be performed in accordance with appropriate AWS Specifications and Procedures.
2. All steel shall be 7 Gage or 3/16" thick.
3. All welds on exposed surfaces shall be dressed so as to provide a pleasing finished appearance.
4. The entire frame shall be hot dip zinc coated in accordance with ASTM A–123.

CURB INLET FRAME (10" THROAT)

(2008 Edition)

Year 2008 Edition

REVISIONS:	
07/01/03	Concrete Mix Designation;
March '05	Inlet Frame Details;
Jan. 2006	Miscellaneous;
RELATED ORDINANCES:	
OPMC Chapter 15.10	

CITY OF OVERLAND PARK
DEPARTMENT OF PUBLIC WORKS

STANDARD DETAILS

CURB INLET DETAILS

WEB SITE ADDRESS: http://www.opkansas.org/_bus/pre-construction_resources | DATE: 09/28/99 | SHEET: 12

DRAWING NAME: K:\Details_Specs\Detail_Drawings\details_english\revision_08\inlet–c.dwg