



SHALLOW FLAT TOP JUNCTION BOX
(NOT FOR USE IN PAVED AREAS)

Shallow Flat Top Junction Box Notes

General

1. Overland Park Municipal Code (OPMC) and Overland Park Design and Construction Standards Manual (OPDCSM) are incorporated, except as otherwise noted.
2. All storm sewer structures shall be pre-cast or poured in place. If pre-cast structures are used for publicly financed, maintained or administered construction, 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.
3. No Structures shall be less than 4'-0" deep unless approved by Engineering Services.
4. 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.
5. 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.
6. 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 than or equal to 20. For boxes with either of these calculations greater than 20, a special design is required.

Concrete

7. 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.
8. Inlet floors shall be shaped with non-reinforced concrete inverts to provide smooth flow.
9. Bevel all exposed edges with 3/4" triangular molding.

Reinforcing Steel

10. Reinforcing steel shall be new billet, minimum Grade 60 as per ASTM A615, 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 +/- 1/8" 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. Pipe connections to pre-cast structures shall have a minimum of 6" of concrete around the entire pipe within 2' of the structure.
17. Material selection and compaction requirements for backfill around structures shall be as specified in the Manual of Infrastructure Standards for Right of Way Restoration, as promulgated by the City Engineer.

NOTE TO DESIGN PROFESSIONAL:

This supplemental detail has been prepared by the City of Overland Park Planning Department solely for the convenience of registered design professionals. The City disclaims all warranties and representations of any kind, expressed or implied, with regard to this supplemental detail, including but not limited to, any warranty related to the fitness for a particular purpose.

The design professional assumes all responsibility for verification that this supplemental design detail is suitable for use on any specific construction plan. By incorporation of this supplemental design detail into a construction plan, the design professional certifies that they have determined that this supplemental design detail is suitable for use on their specific construction plan.

REVISIONS:	
7/01/2003	
Mar 2005	Inlet Frame Details;
Jan 2006	Miscellaneous;
RELATED ORDINANCES:	
OPMC Title 15	



PLANNING DEPARTMENT
SUPPLEMENTAL DETAILS

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Year 2013 Edition