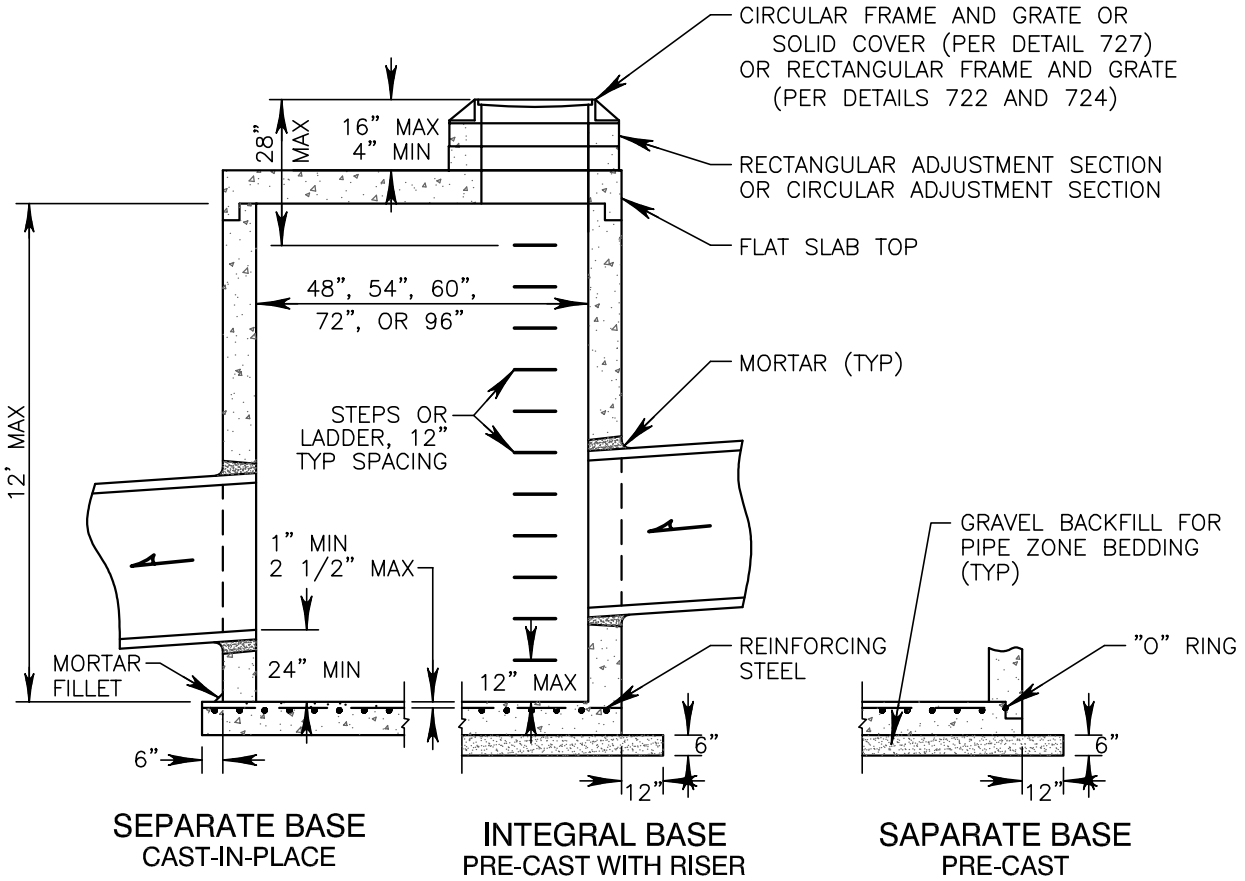


| CATCH BASIN DIMENSIONS | | | | | | | PIPE ALLOWANCES | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DIA | WALL THICKNESS | BASE THICKNESS | MAXIMUM KNOCKOUT SIZE | MINIMUM DISTANCE BETWEEN KNOCKOUTS | BASE REINFORCING STEEL $in^2/ft.$ IN EACH DIRECTION | | PIPE MATERIAL WITH MAXIMUM INSIDE DIAMETER | | | | |
| | | | | | SEPARATE BASE | INTEGRAL BASE | CORRUGATED PE | CONCRETE | CMP | DUCTILE IRON | PVC |
| 48" | 4" | 6" | 36" | 8" | 0.13 | 0.15 | 24" | 24" | 30" | 30" | 30" |
| 54" | 4.5" | 8" | 42" | 8" | 0.19 | 0.19 | 30" | 30" | 36" | 36" | 36" |
| 60" | 5" | 8" | 48" | 8" | 0.25 | 0.25 | 36" | 36" | 42" | 42" | 42" |
| 72" | 6" | 8" | 60" | 12" | 0.35 | 0.24 | 42" | 42" | 54" | 54" | 48" |
| 96" | 8" | 12" | 84" | 12" | 0.39 | 0.29 | 60" | 60" | 72" | 72" | 48" |

## DETAIL NOTES

No steps are required when the height is 4 feet or less.

The bottom of the pre-cast catch basin may be sloped to facilitate cleaning.

Knockouts shall have a wall thickness of 2" minimum to 2.5" maximum. Provide a 1.5" minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with Standard Specification 9-04.3.

The rectangular frame and grate may be installed with the flange up or down. The frame may be cast into the adjustment section (see Standard Detail 722).

All pick holes and joints shall be grouted, inside and out, after the basin has been placed.

City of Covington

Public Works

Community Development

DONALD M. VONDRAN
STATE OF WASHINGTON
38844
REGISTERED
PROFESSIONAL ENGINEER

CATCH BASIN
TYPE 2

This document has been signed electronically in accordance with WAC 196-23-070 and Chapter 19.34 RCW. Unauthorized alteration of any of the information on this document will invalidate the document, my certification and signature.

**716**

Revision Date
October 2009