

NEENAH R-3070 W/ TYPE 'R' LID OR APPROVED EQUAL. INSTALL TOP OF CASTING 1/4" BELOW FINISHED PAVEMENT

USE 1/4" ROLLED MASTIC ROPE BETWEEN STRUCTURE AND RINGS, ONE ALONG INSIDE AND OUTSIDE EDGE. CASTING AND RINGS MUST BE ALIGNED VERTICALLY AND HAVE NO CRACKS (2.0" MAXIMUM HORIZONTAL OFFSET ALLOWED IF PRE-APPROVED)

4'-0" DIA. IF PIPE IS 12" OR SMALLER  
5'-0" DIA. IF LARGER THAN 12"

BACKFILL WITH B-BORROW OR APPROVED CLEAN SPOILS. COMPACT IN PROPER LIFTS BY MECHANICAL MEANS. IF UNABLE TO COMPACT BY MECHANICAL MEANS, PLACE No. 8 PEA GRAVEL BETWEEN EXCAVATION WALL AND STRUCTURE

2.5X PIPE DIAMETER  
(36" MIN. SUMP)

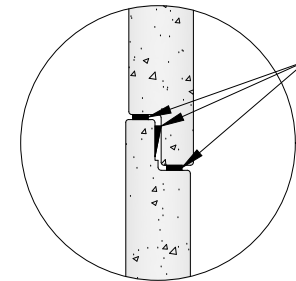
USE 1/4" ROLLED MASTIC ROPE BETWEEN CASTING AND RING, ONE ALONG INSIDE AND OUTSIDE EDGES WHEN POSSIBLE. FOR FINE ADJUSTMENT, A NON-SHRINK RAPID SETTING MORTAR, SPEED CRETE REDLINE OR SIMILAR APPROVED MATERIAL CAN BE USED, MAXIMUM OF 2" THICKNESS. NO SHIMS, BRICK OR CONCRETE UNDER CASTING

MAXIMUM 12" OF ADJUSTMENT, 2 OR FEWER RINGS.  
2" AND THICKER PRE-CAST RINGS ONLY

BOOT ON STORM PIPE CONNECTED TO COMBINED SEWER SYSTEM

STANDARD 90° PVC ELBOW, 12" OR SMALLER STORM PIPE. USE NEENAH R-3705 W/ CLEANOUT COVER, OR APPROVED EQUAL, FOR PIPES OVER 12" DIA.

REDLINER STAINLESS STEEL STRAPS SECURED TO STRUCTURE WITH STAINLESS STEEL FASTENERS, AT 4' INTERVALS (MIN. OF 1)



SECTIONS MAY BE SEALED WITH THE MANUFACTURER'S SUPPLIED GASKET OR MASTIC PLACED ON THE UPPER AND LOWER EDGES OF STRUCTURE

**NOTE:**

1. ALL STRUCTURES MUST BE INSPECTED BY A CITY REPRESENTATIVE PRIOR TO INSTALLATION. STRUCTURES WILL BE REJECTED IF REINFORCING STEEL IS EXPOSED, EXCESSIVE VOIDS ARE OBSERVED IN THE CONCRETE, DAMAGE TO CONCRETE EDGES BETWEEN SECTIONS AND ANY OTHER ITEM THAT MAY COMPROMISE THE STRUCTURE

No. 8 AGGREGATE, MAYBE ELIMINATED BY ENGINEER IF CONDITIONS DO NOT WARRANT THE 6" OF BASE MATERIAL

## SEWER CATCH BASIN (TYPE P) - COMBINED SEWER 90° ELBOW

NOT TO SCALE

*The City Of Goshen*  
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Office of Engineering

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Date Approved By The City Of Goshen Board Of Public Works & Safety and Approved Revisions

03/27/2025

**CITY OF GOSHEN, INDIANA**  
**STANDARD DETAIL**

Drafted By: J. Hoffman  
Approved By: D. Sailor, P.E.

Drawing Number:  
**SW-216**