

NEENAH R-1772 W/ TYPE 'B' LID
OR APPROVED EQUAL. INSTALL
TOP OF CASTING 1/4" BELOW
FINISHED PAVEMENT

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 CEMENT 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

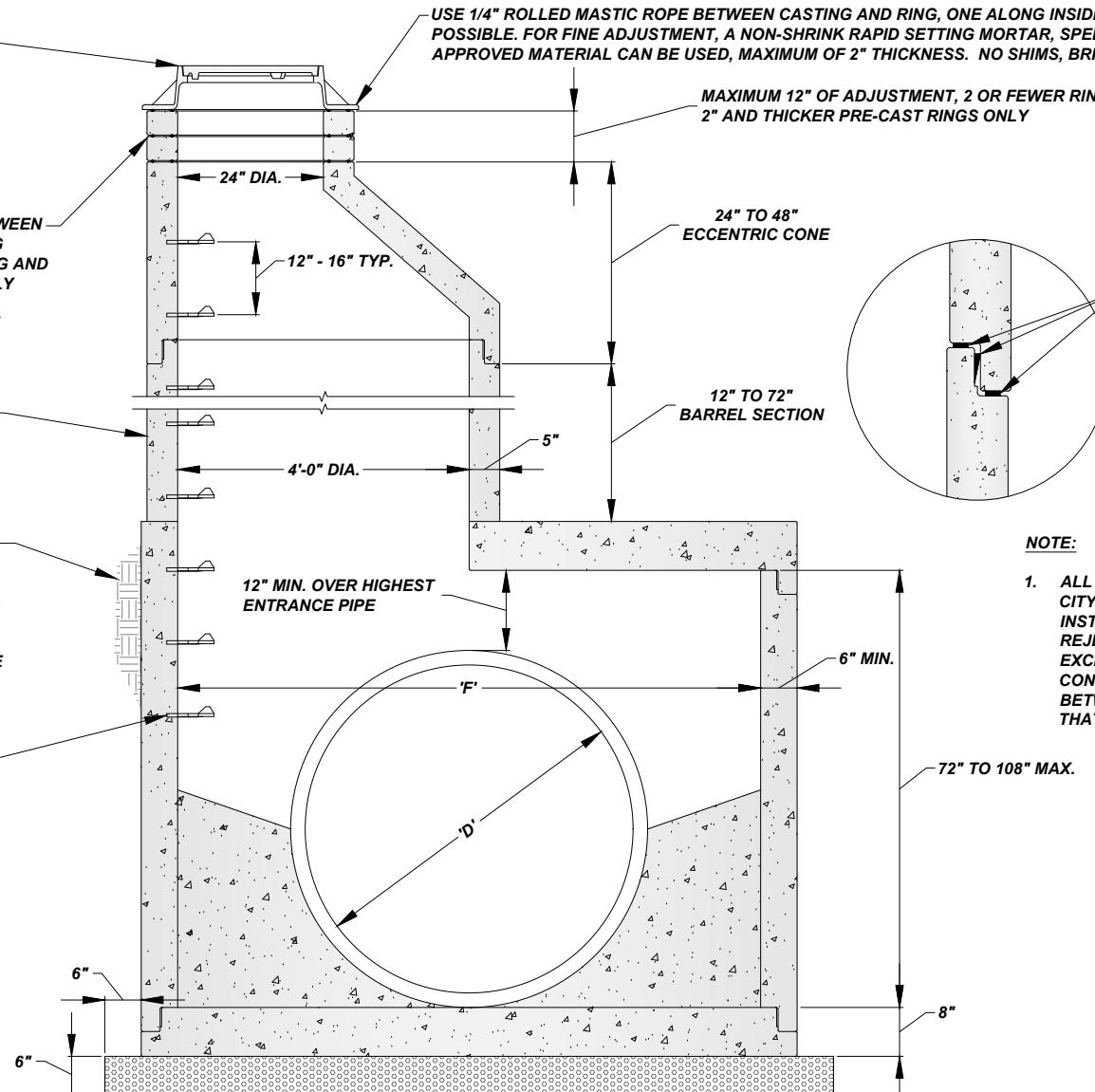
USE 1/4" ROLLED MASTIC ROPE BETWEEN
STRUCTURE AND RINGS, ONE ALONG
INSIDE AND OUTSIDE EDGE. CASTING AND
RINGS MUST BE ALIGNED VERTICALLY
AND HAVE NO CRACKS
(2.0" MAXIMUM HORIZONTAL OFFSET
ALLOWED IF PRE-APPROVED)

ALIGN RUNGS IN EACH STRUCTURE
SECTION AND OPENING

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

COPOLYMER POLYPROPYLENE
PLASTIC RUNGS WITH 1/2"
GRADE 60 REINFORCING STEEL

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



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

PIPE AND STRUCTURE SIZE	
'D'	'F'
24" to 36"	5'-0"
36" to 48"	6'-0"
48" to 54"	8'-0"
54" to 72"	8'-6"
72" to 84"	9'-0"

The City Of Goshen
Department of Public Works & Safety
Office of Engineering

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STEPPED SEWER MANHOLE (TYPE J) - CONE W/ MANHOLE CASTING

NOT TO SCALE

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-210