

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 CRETE REDLINE OR SIMILAR
APPROVED MATERIAL CAN BE USED, MAXIMUM OF 2" THICKNESS. NO SHIMS, BRICK OR CONCRETE UNDER CASTING

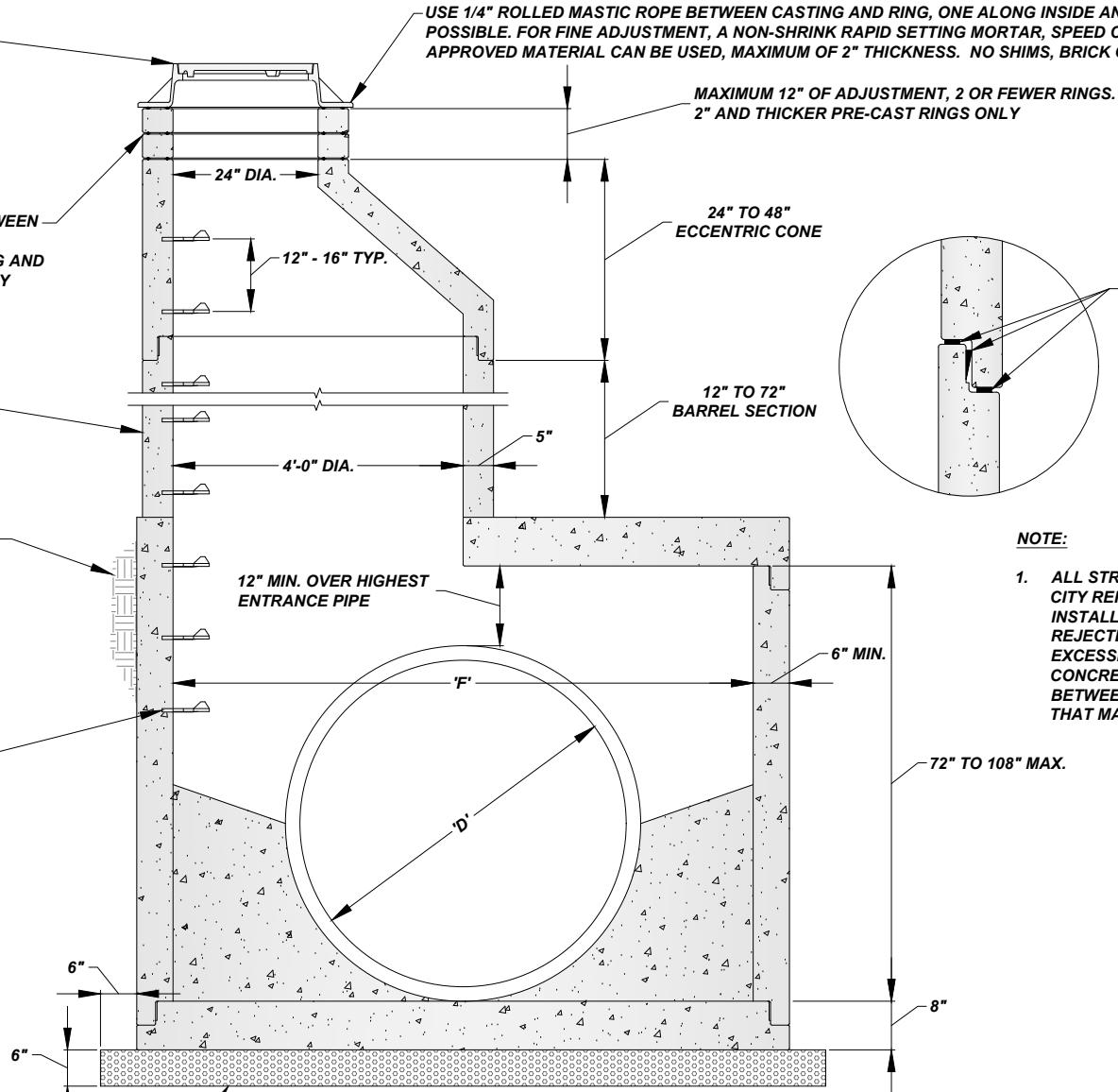
MAXIMUM 12" OF ADJUSTMENT, 2 OR FEWER RINGS.
2" AND THICKER PRE-CAST RINGS ONLY

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



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

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"

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

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

NOT TO SCALE

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

204 East Jefferson, Suite 1 Street, Goshen, Indiana 46528
Phone: 574-534-2201 Fax: 574-533-8626
Web: goshenindiana.org

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CITY OF GOSHEN, INDIANA
STANDARD DETAIL

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

Drawing Number:

SW-210