

NEENAH R-1772 W/ TYPE 'B' LID OR APPROVED EQUAL. INSTALL TOP OF CASTING 1/4" BELOW FINISHED PAVEMENT. FLUSH WITH FINISHED GRADE IN YARD/LANDSCAPED AREAS

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

USE 1/4" ROLLED BUTYL 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)

PRE-CAST REINFORCED CONCRETE MANHOLE PER ASTM C-478

12" MIN.

24" DIA.

24" TO 48" ECCENTRIC CONE

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

SEE CASING DETAIL

OFF SET CASING TO ALLOW FOR ACCESS AND CLEANING OF STRUCTURE

PLAN VIEW

USE C-900 PRESSURE CLASS 350 OR APPROVED MATERIAL FOR CASING

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

PRECAST INVERT AND BENCH

VARIES

5"

PLACE SOLID CONCRETE BRICK UNDER EACH END FOR SUPPORT AND FILL VOID AROUND PIPE WITH PEA STONE

CORE AND BOOT STRUCTURE

VARIES BASE

6"

6"

6"

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

UTILITY CONFLICT STRUCTURE (TYPE Q)

NOT TO SCALE