RUBBER O-RING (TYP.)

USE STANDARD NEOPRENE PIPE
GASKET OR FLEXIBLE "SEAL
BOOT" RESILIENT CONNECTOR,
AS PER DETAIL WW-10

6" MINIMUM

PERMISSIBLE
CONSTRUCTION JOINT

3"

24" MINIMUM

#5 BARS @ 8" O.C.E.W.

BED MANHOLE AND PIPE WITH MINIMUM 8" THICK, 3/4"
WASHED ROCK GRAVEL OR OTHER CRUSHED STONE
ACCEPTABLE TO THE CITY OF ROUND ROCK
(SEE DETAIL WW-01, FOR BEDDING LIMITS)

UNLESS NOTED OTHERWISE

4'-0"

GROUT WATERTIGHT

INVERT CHANNEL
(SEE NOTE #4 AND
DETAIL BELOW)

#3 BARS @ 6" O.C. (RINGS)
AROUND VERTICALS

#5 BARS @ 8" O.C. (VERTICALS)

BACKFILL WITH PIPE BEDDING, AS
PER DETAILS WW-17 & WW-18

BOTTOM SECTION OF RISER PIPE IS
BUTT AND GROOVE (SEE NOTE #3)

PERMISSIBLE CONSTRUCTION JOINT

2" COVER

CONCRETE BASE FOR MANHOLE
SHALL BE FORMED AND
CAST-IN-PLACE BY THE
CONTRACTOR

RADIUS IS EQUAL TO 1/4
DIAMETER OF PIPE

2:1 SLOPE TO MANHOLE
WALL FROM TOP OF
INVERT CHANNEL

INVERT CHANNEL DEPTH
SHALL BE A MINIMUM 1/2
THE DIAMETER OF THE
LARGEST PIPE OR FOUR
INCHES (4") DEEP

NOTES:

1. CAST-IN-PLACE BASE SHALL BE 4000 TO 4500 P.S.I. CONCRETE, 28 DAY STRENGTH.
2. STEEL SHALL BE GRADE 60.
3. MANHOLE RISER PIPE FURNISHED IN LENGTHS OF ONE (1), TWO (2), THREE (3), FOUR (4) OR SIX (6) FEET AND
   SHALL BE IN ACCORDANCE WITH A.S.T.M. C478.
4. INVERT CHANNEL SHALL BE PROVIDED THAT AS MUCH AS POSSIBLE, FORMS A SMOOTH CONTINUATION OF INLET
   AND OUTLET PIPES.
5. BASE SHALL BE PROPERLY FORMED IN THE FIELD WITH WOOD OR OTHER APPROVED FORMS.
6. VERTICAL BARS MAY BE EXTENSIONS OF BOTTOM STEEL OR SEPARATE FROM, BUT TIED TO BOTTOM HORIZONTAL
   STEEL.

RECORD SIGNED COPY
ON FILE AT U&ES DEPARTMENT
APPROVED
03-01-18
DATE

THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR THE APPROPRIATE
USE OF THIS DETAIL (NOT TO SCALE)

CITY OF ROUND ROCK

CAST-IN-PLACE BASE
FOR CONCRETE WASTEWATER
MANHOLE DETAIL

DRAWING NO:
WW-04