STANDARD 2" COMBINATION AIR RELEASE VALVE MANHOLE
(FOR FORCE MAINS)

NOTES:
1. ISOLATION VALVE TO BE SAME SIZE AS AIR VALVE.
2. ALL PIPING AND FITTINGS, IN THE MANHOLE, SHALL BE LINEN WITH APPROVED EPOXY LINING.
3. 2 INCH PIPE SHALL BE BRASS. 2 INCH VALVE AND BRASS PIPING SHALL CONNECT TO THE TEE VIA A TAPPED FLANGE, FLANGE FILLER OR FLANGE REDUCER.
4. MANHOLE INTERIOR SHALL BE COATED WITH MINIMUM 80 MILS OF AN APPROVED EPOXY COATING.
5. MINIMUM 6 INCH DIAMETER MANHOLE SHALL BE USED WITH FORCE MAINS 20 INCHES AND LARGER.
6. WHERE MANHOLE MUST BE LOCATED IN PAVED AREAS, PROVIDE TYPICAL ECCENTRIC TAPERED CONE SECTION.
7. VENT PIPE MAY BE OMITTED TO MEET RIGHT-OF-WAY REQUIREMENTS.
8. MANHOLES DEEPER THAN 12 FEET SHALL HAVE AN EXTENDED BASE.

EFFECTIVE: 05/15/20

MINIMUM 4" DUCTILE IRON PIPE (FLANGED)
INCREASE TO MATCH ARV SIZE

FINISHED GRADE IN R/W

FINISHED GRADE IN OUTFALL AREAS

THREADED CONNECTION
(ARV TO BALL VALVE)

VALVE CONNECTION
2" NPT

BLIND FLANGE
(MINIMUM 4" DIA.)
W/ NPT TAP FOR
2" NIPPLE

PIPE
MJ x FLG TEE WITH
BRANCH ≥ ½ THE
RUN DIAMETER

SUPPORT TEE AND
VALVE ASSEMBLY
WITH CONCRETE
BLOCKS OR PIPE
STAND

No. 57 STONE
MINIMUM 5'-0"

16" MIN.
6" MIN.
12" MINIMUM

VENT PIPE SHALL ONLY BE
INSTALLED IN ISOLATED AREAS AS
APPROVED. SEE DETAIL 07200.03
FOR ODOR CONTROL DEVICE.

Rohen CY
[87]

FILLETS @ R ½"
2 ¼" RAISED LETTERING
(RECESSED FLUSH)

(2) PICKHOLES
1" DIAMETER

COVER TOP VIEW (IN R/W)

COVER TOP VIEW (IN R/W)

R & C:
180
120
300

MINIMUM WEIGHTS
RING
COVER
TOTAL

RING & COVER SPECIFICATIONS:
1. CLASS 35 GREY IRON.
2. COMPLIES WITH ASTM A48 CL35B.
3. ALL LETTERING SHALL BE CLEAN, CRISP, AND CLEARLY LEGIBLE.
4. DOMESTICALLY MADE AND MANUFACTURED IN THE USA.
5. TYPE 2 OR 3 MANHOLE RING AND COVERS SHALL BE USED IN AREAS OUTSIDE THE RIGHT-OF-WAY.

1 ½" x 4 ½"
ANCHOR BOLTS

FIVE 1 ½" MINIMUM