



**NO. DESCRIPTION:**

1. 5" DIAMETER STEEL PIPE.
2. SEE BOLT ON BIRD SCREEN DETAIL THIS SHEET.
3. WATERTIGHT FRAME AND COVER (BOLTED DOWN).
4. PIPE BRACKET FABRICATED FROM 1/4" STEEL PLATE (SEE THIS SHEET).
5. PRECAST CONCRETE MANHOLE.
6. 1/4" STEEL PLUG.
7. TYPE 316 STAINLESS STEEL MESH BIRD SCREEN BOLTED BETWEEN TWO STAINLESS STEEL PLATES AND WELDED TO VENT PIPE AS SHOWN. USE ALL TYPE 316 STAINLESS STEEL BOLTS, NUTS AND WASHERS. SCREEN SHALL BE CONSTRUCTED OF 1/4" STAINLESS STEEL MESH BIRD SCREEN (WIRE DIAMETER 0.047").
8. 11/16" DIAMETER HOLES DRILLED AS SHOWN.
9. 5/8" x 4" TYPE 316 S.S. ALL THREAD ROD.
10. TYPE 316 STAINLESS STEEL NUT AND WASHER WITH ANTI-SEIZE COMPOUND.
11. 1/4" TYPE 304 STAINLESS STEEL SPACER PLATE.
12. 1/4" TYPE 304 STAINLESS STEEL WASHER PLATES TO PLUMB VENT.

**NOTES:**

- A. 2' ABOVE 100 YEAR FLOOD ELEV. OR 6' ABOVE FRAME (WHICHEVER IS GREATER).
- B. 1'-3" (MAX SPACING). AVOID PLACING PIPE BRACKET AT MANHOLE JOINTS OR STEPS. MINIMUM OF 3 PIPE BRACKETS REQUIRED PER VENT PIPE.
- C. STEPS AND VENT INSTALLED ON STRAIGHT WALL OF MANHOLE.
- D. USE EPOXY ADHESIVE, IN CLEANED DRILLED HOLE.
- E. ANGLE AS REQUIRED TO SEAT SQUARELY ON MANHOLE.
- F. VENT SHALL BE ON STRAIGHT WALL SIDE AND POINT DOWNSTREAM.
- G. VENT AND BRACKETS SHALL BE PAINTED PER SPECS. VENT SHALL HAVE FACTORY APPLIED INTERIOR LINING.
- H. ALL THREAD ROD, WASHER, AND NUT SHALL BE STAINLESS STEEL.
- I. ACCORDING TO THE TYPE OF PRECAST MANHOLE, WASHER SPACERS MAY BE REQUIRED ON LOWER BRACKETS. VENT SHALL BE PLUMB AND STRAPS SHALL PULL VENT TIGHT AGAINST THE MANHOLE WALL.