

PROVIDE 1/2 INCH AIR GAP ON ALL FOUR SIDES BETWEEN SQ. STEEL RISER TUBE AND STEEL VENT COVER CAP (MIN. OF 18-SQ. IN. OF CROSS SECTIONAL VENTILATION AREA).

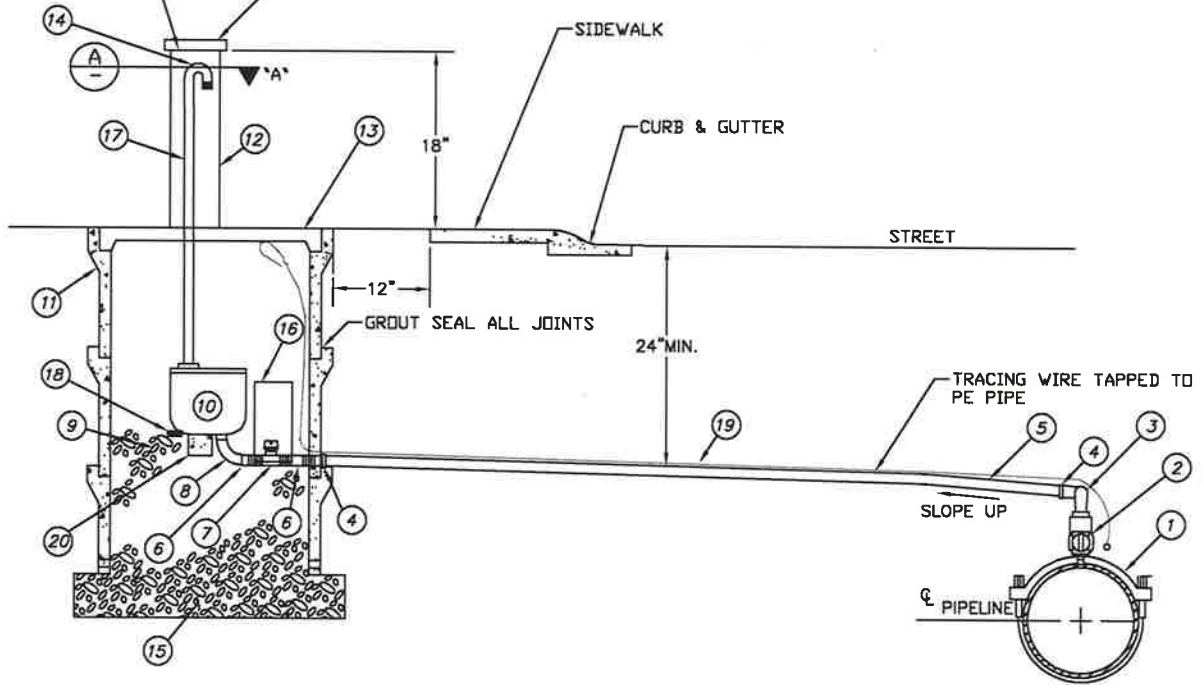
9-IN X 11-IN SQ. X 3/16-IN THICK WELDED ON STEEL VENT COVER CAP, WITH 1-1/2 INCH LONG SIDE EARS FOLDED DOWN OVER FOR RAIN DRIP. WELD CAP TO RISER TUBE

180° RETURN BEND (IN VENT TUBE, BELOW VENT COVER CAP)

8"X10" STL. TUBE

PVC SCH 80

SECTION A  
PLAN VIEW



SECTION

**CONSTRUCTION NOTES:**

1. SIZE OF PIPING SHALL MATCH SIZE OF AIR VALVE.
2. AIR VALVE VENT SHALL BE PLACED OUTSIDE OF TRAFFIC AREAS AND WITH-IN EASEMENT AND/OR RIGHT OF WAY.
3. AVRV STEEL TUBE AND BOX COVER PLATE TO BE PREPPED, CLEANED AND POWDER COATED (FOREST GREEN) TO A DRY THICKNESS OF 3 MIL. (MIN.) BY MANUFACTURER
4. PLACE LOCATING TAPE 6" ABOVE THE TOP OF BURIED ARV PIPE.
5. PLACE AWG 10 GAUGE, INSULATED COPPER TRACING WIRE FROM MAIN TO RISER IN BOX.
6. BOLLARDS MAY BE REQUIRED IN CRITICAL TRAFFIC AREAS PER FIELD DIRECTION OF DISTRICT OR PROJECT PLANS.
7. INSTALL BRASS NIPPLE AND/OR BRASS 90 ELOBOW IN AIR RELEASE VALVE DRAIN AS REQUIRED FOR BALL VALVE TO BE IN HORIZONTAL POSITION.
8. AVRV TO BE LOCATED AT HIGH POINT OF MAIN OR AS INDICATED ON PLANS OR PER DISTRICT DIRECTION.
9. CORP STOP OR SADDLE TO BE LOCATED AT LEAST 2-FT FROM END OF MAIN, JOINT OR OTHER FITTINGS.
10. PIPING TO BE INSTALLED TO MAINTAIN A POSITIVE GRADE UPWARD FROM MAIN TO AVRV AND VENT.
11. TIGHTLY WRAP BURIED FITTINGS WITH 3-MIL POLY TAPE AFTER INSPECTION, PRIOR TO BACKFILL.

| MATERIALS - LIST |  |
|------------------|--|
| ITEM             | DESCRIPTION  |
| 1                | BRONZE SADDLE PER DETAIL SHEET 6   |
| 2                | CORPORATION STOP PER DETAIL SHEET 6  |
| 3                | TWO 90° BRASS ELBOWS TO PROVIDE POSITIVE SLOPE   |
| 4                | BRASS ADAPTER, MIP x POLYETHYLENE  |
| 5                | POLYETHYLENE PIPE (1" IPS) (2" CTS)  |
| 6                | BRASS NIPPLE   |
| 7                | BRASS BALL VALVE OR BALL CURB STOP - W/AWNA C500 NUT   |
| 8                | 90° BRASS ELBOW  |
| 9                | 3/4" CRUSHED ROCK, FILL TO BOTTOM OF VALVE   |
| 10               | COMBINATION AIR VACUUM VALVE - APCO, CRISPIN, OR EQUAL   |
| 11               | CHRISTY B40 ENCLOSURE  |
| 12               | 8"X10"X3/16" WALL STEEL TUBE 18" LONG. JTS MANUFACTURING MODEL AVC10-N OR APPROVED EQUAL. POWDER COATED. SEE NOTE 3  |
| 13               | AIR VALVE BOX COVER-STEEL CHECKERED PLATE TO FIT. JTS MANUFACTURER, MODEL 440-ARV OR APPROVED EQUAL. POWDER COATED. SEE NOTE 3   |
| 14               | 180° SCH. 80 PVC RETURN WITH STAINLESS MESH SCREEN ATTACHED TO OUTLET. FOR 1" END VENT W/ MESH SCREEN 4" BELOW VENT CAP, FOR 2" END VENT W/ MESH SCREEN 6" BELOW VENT CAP. |
| 15               | 3/4" CRUSHED ROCK TO 6" DEPTH (MIN.)   |
| 16               | 6" PVC SLEEVE (CENTERED OVER VALVE HANDLE)   |
| 17               | SCHEDULE 80 PVC PIPE (SOLVENT WELDED)  |
| 18               | BRASS BALL VALVE AND BRASS NIPPLE AND/OR BRASS 90° ELBOW. SEE NOTE 7   |
| 19               | LOCATING WIRE TAPED TO TOP OF PIPE   |
| 20               | CONC. OR BRICK SUPPORT BLOCK   |

| NO | DATE | REVISIONS           | APP | BY |
|----|------|---------------------|-----|----|
| 2  | 3/24 | DETAIL UPDATE       | MH  | SE |
| 1  | 3/14 | BOX & LID POSITIONS | RW  | SE |



# 1" & 2" AIR VACUUM RELEASE VALVE

SAN JUAN WATER DISTRICT

|          |             |              |  |
|----------|-------------|--------------|--|
| APPROVED |             |              |  |
| _____    |             |              |  |
| SCALE:   | PRINT DATE: | DETAIL NO:   |  |
| NTS      | 03/22/2024  | SHT 10 OF 27 |  |