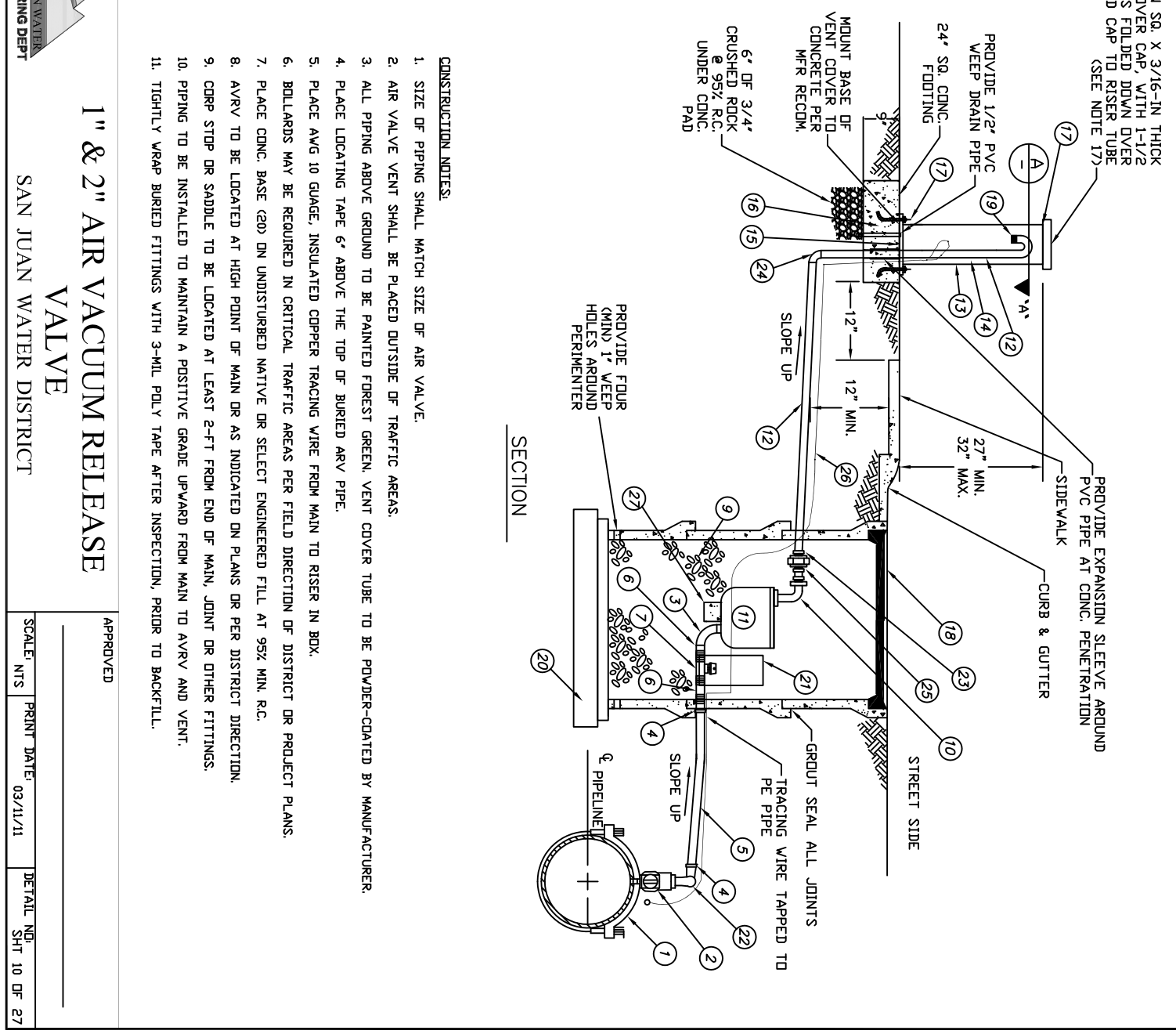


ITEM	DESCRIPTION
1	BRONZE SADDLE (JONES J-979, J-996 OR EQUAL)
2	CORPORATION STOP - JONES J-1930, FORD F-1101, OR EQUAL
3	90° BRASS ELBOW
4	BRASS ADAPTER, MIP x POLYETHYLENE
5	POLYETHYLENE PIPE (1" IPS) (2" CTS)
6	BRASS NIPPLE
7	BRASS BALL VALVE OR BALL CURB STOP - W/WAWA C500 NUT
8	3/4" CLEAN DRAIN ROCK
9	3/4" CRUSHED ROCK, FILL TO BOTTOM OF VALVE
10	STREET ELL (BRASS)
11	COMBINATION AIR VACUUM VALVE - APCO, CRISPIN, OR EQUAL
12	PVC SCH 80 (SIZED TO MATCH AVRY)
13	8" X 10" X 3/16" WALL STEEL TUBE 32" LONG, POWDER COATED.
14	AVRY COVER, TUBE AND BASE TO BE PREPPED, CLEANED AND POWDER COATED TO A DRY THICKNESS OF 3-MIL (MIN.)
15	1/2" REBAR LEGS, WELDED TO COUPLING FOR CONCRETE IN-BED
16	REBAR LEGS NOT TO BE MORE THAN 3" HIGH
17	PROVIDE 1/2-IN AIR GAP ON ALL FOUR SIDES BETWEEN SQ STEEL RISER TUBE AND STEEL TOP CAP (MINIMUM OF 18-SQ. IN OF CROSS SECTIONAL VENTILATION AREA). MOUNT TO CONG. BASE USING 1/2-IN DIA. X 6-IN L SST. J-ANCHORS.
18	CONG. BOX & CI TRAFFIC RATED LID WITH BOLT DOWN CHRISTY B17" X 30" - 51/4H MIN.
19	180° RETURN WITH STAINLESS MESH SCREEN ATTACHED TO OUTLET CAP FOR 1" (SEE SECTION A-A) END VENT W/MESH SCREEN 4" BELOW CAP FOR 2"
20	CONCRETE BASE PAD
21	6" PVC SLEEVE (CENTERED OVER VALVE HANDLE)
22	TWO BRASS STREET ELLS TO PROVIDE POSITIVE SLOPE
23	SCHEDULE 80 PVC WITH SCHEDULE 80 MIP x SLIP ADAPTER
24	SCHEDULE 80 PVC 90° ELBOW
25	BRASS UNION
26	LOCATING WIRE TAPPED TO TOP OF PIPE
27	CONG. OR BRICK SUPPORT BLOCK



- CONSTRUCTION NOTES:**
1. SIZE OF PIPING SHALL MATCH SIZE OF AIR VALVE.
  2. AIR VALVE VENT SHALL BE PLACED OUTSIDE OF TRAFFIC AREAS.
  3. ALL PIPING ABOVE GROUND TO BE PAINTED FOREST GREEN. VENT COVER TUBE TO BE POWDER-COATED BY MANUFACTURER.
  4. PLACE LOCATING TAPE 6" ABOVE THE TOP OF BURIED ARV PIPE.
  5. PLACE AVG 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. PLACE CONG. BASE (20) ON UNDISTURBED NATIVE OR SELECT ENGINEERED FILL AT 95% MIN. R.C.
  8. AVRY 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 AVRY AND VENT.
  11. TIGHTLY WRAP BURIED FITTINGS WITH 3-MIL POLY TAPE AFTER INSPECTION, PRIOR TO BACKFILL.

# 1" & 2" AIR VACUUM RELEASE VALVE

APPROVED \_\_\_\_\_

SCALE: \_\_\_\_\_ PRINT DATE: 03/11/11 DETAIL NO: SH1 10 OF 27



SAN JUAN WATER DISTRICT