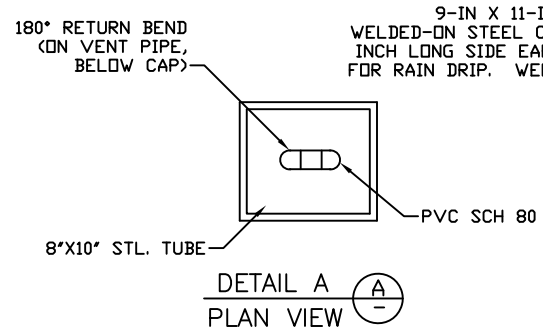
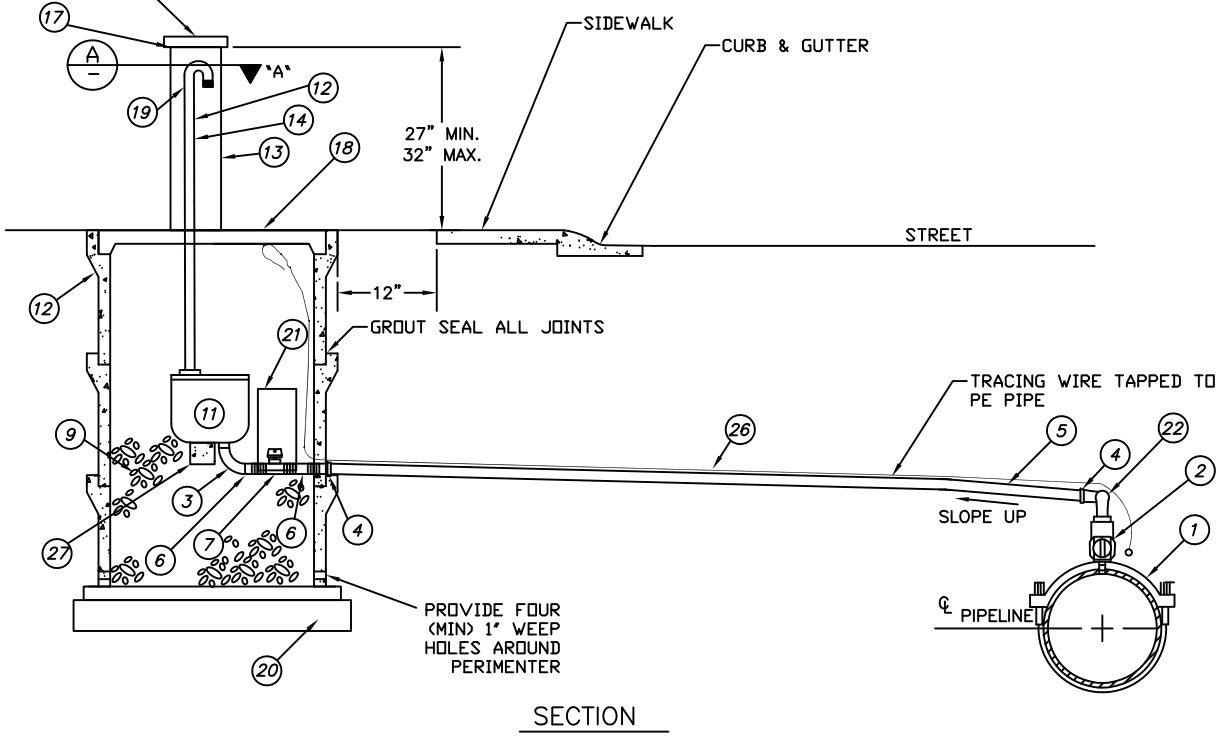


DETAIL A (A–) PLAN VIEW



SECTION

MATERIALS – LIST	
ITEM	DESCRIPTION
1	BRONZE SADDLE (JONES J-979, J-996 OR EQUAL)
2	CORPORATION STOP – JONES E-1931, 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/AWWA 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	CHRISTY B40 ENCLOSURE
13	8" X 10" X 3/16" WALL STEEL TUBE 32" LONG, POWDER COATED.
14	AVRV 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 CONC. BASE USING 1/2-IN DIA. X 6-IN L SST. J-ANCHORS.
18	Placer Waterworks AIR RELEASE VALVE ENCLOSURE, AE318-MSJ.
19	180° RETURN WITH STAINLESS MESH SCREEN ATTACHED TO OUTLET 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 POSTIVE SLOPE
23	SCHEDULE 80 PVC WITH SCHEDULE 80 MIP x SLIP ADAPTER
24	SCHEDULE 80 PVC 90° ELBOW
25	BRASS UNION
26	LOCATING WIRE TAPED TO TOP OF PIPE
27	CONC. 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 AWG 10 GUAGE, 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 CONC. BASE (20) ON UNDISTURBED NATIVE OR SELECT ENGINEERED FILL AT 95% MIN. R.C.
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.

NO	DATE	REVISIONS	APP	BY
1	3/14	BOX & LID POSITIONS	APP	SE

SAN JUAN WATER
ENGINEERING DEPT

1" & 2" AIR VACUUM RELEASE VALVE

SAN JUAN WATER DISTRICT

APPROVED

SCALE: NTS | PRINT DATE: 03/14/2019 | DETAIL NO: SHT 10 OF 27