

San Antonio Water System Standard Specifications for Construction

ITEM NO. 846
Air Release Assemblies

846.1 DESCRIPTION: This item shall consist of air release assemblies installed in accordance with these specifications and as directed by the Engineer.

846.2 REFERENCED STANDARDS: Reference standards cited in this Specification Item No. 846 refer to the current reference standard published at the time of the latest revision date of this Specification Item No. 846, unless a date is specifically cited.

1. San Antonio Water System (SAWS):
 - a. Specifications for Water and Sanitary Sewer Construction
 - b. SAWS Materials Specifications
2. City Of San Antonio (COSA):
 - a. Standard Specifications for Construction
3. American Society for Testing and Materials International (ASTM)
 - a. ASTM A 48 - Standard Specification for Gray Iron Castings.
 - b. ASTM A 126 - Standard Specification for Gray Iron Castings for Valves, Flanges, and Pipe Fittings.
 - c. ASTM A 240 - Standard Specification for Heat-Resisting Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels.
 - d. ASTM A 276 - Standard Specification for Stainless Steel Bars and Shapes. ASTM A 313 - Standard Specification for Stainless Steel Spring Wire.
 - e. ASTM B 584 - Standard Specification for Copper Alloy Sand Castings for General Applications.
 - f. ASTM A 48 - Standard Specification for Gray Iron Castings
 - g. .ASTM A 126 - Standard Specification for Gray Iron Castings for Valves, Flanges, and Pipe Fittings ASTM A 240 - Standard Specification for Heat-Resisting Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels.
 - h. ASTM A 276 - Standard Specification for Stainless Steel Bars and Shapes.
 - i. ASTM A 313 - Standard Specification for Stainless Steel Spring Wire.
 - j. ASTM B 584 - Standard Specification for Copper Alloy Sand Castings for General Applications.

846.3 SUBMITTALS: Contractor shall submit manufacturer's product data, instructions, recommendations, shop drawings, and certifications. All submittals shall be in accordance with Engineer's requirements and submittals shall be approved prior to delivery.

846.4 MATERIALS: The materials for air release assemblies installation and adjustment shall conform to the specifications contained within the latest revision of SAWS' Material Specification 29-01, "Air Release, Vacuum and Combination Air Valves."

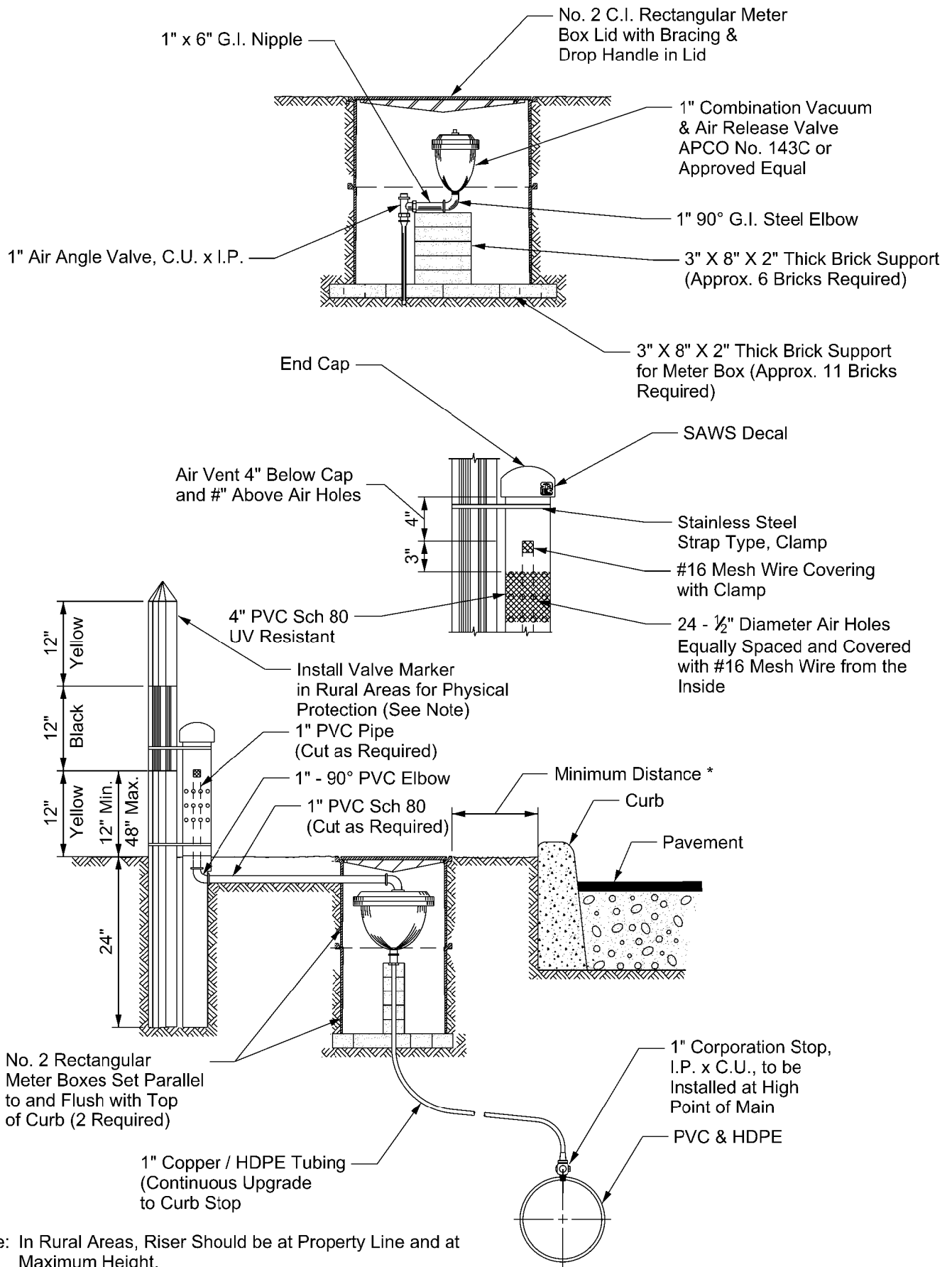
846.5 CONSTRUCTION: Air release assemblies shall be installed at the location shown in the contract documents or as directed by the Engineer.

1. Air release assemblies in an open trench water main installation shall be installed in accordance with DD 846 Drawing Series and shall include the valve, valve boxes, tapping saddle, pipe, fittings, accessories and appurtenances.
2. It shall include the service line and tap to the main line.
3. Air release assemblies installed in parkways or easements and adjacent to street pavements shall be installed in accordance with DD 846 Drawing Series regardless of size.
4. Air release assemblies installed on steel pipe attached to a bridge structure shall include the outlet on the steel pipe, valve, valve box, pipe, fittings, security enclosure, accessories and appurtenances.

846.6 MEASUREMENT: Air release assemblies will be measured by the unit of each such assembly of the various sizes of air release assemblies installed.

846.7 PAYMENT: Payment for air release assemblies will be made at the unit price bid for each such assembly of the various sizes installed in accordance with the details shown in the DD 846 Drawing Series. Such payment shall also include: excavation, selected embedment material, anti-corrosion embedment when specified, freeze protection for mains on bridges, hauling and disposition of surplus excavated materials, blocking, and various types and sizes of meter boxes.

End of Specification



Note: In Rural Areas, Riser Should be at Property Line and at Maximum Height.

* Per Direction from Inspector

PROPERTY OF
SAN ANTONIO WATER SYSTEM
SAN ANTONIO, TEXAS

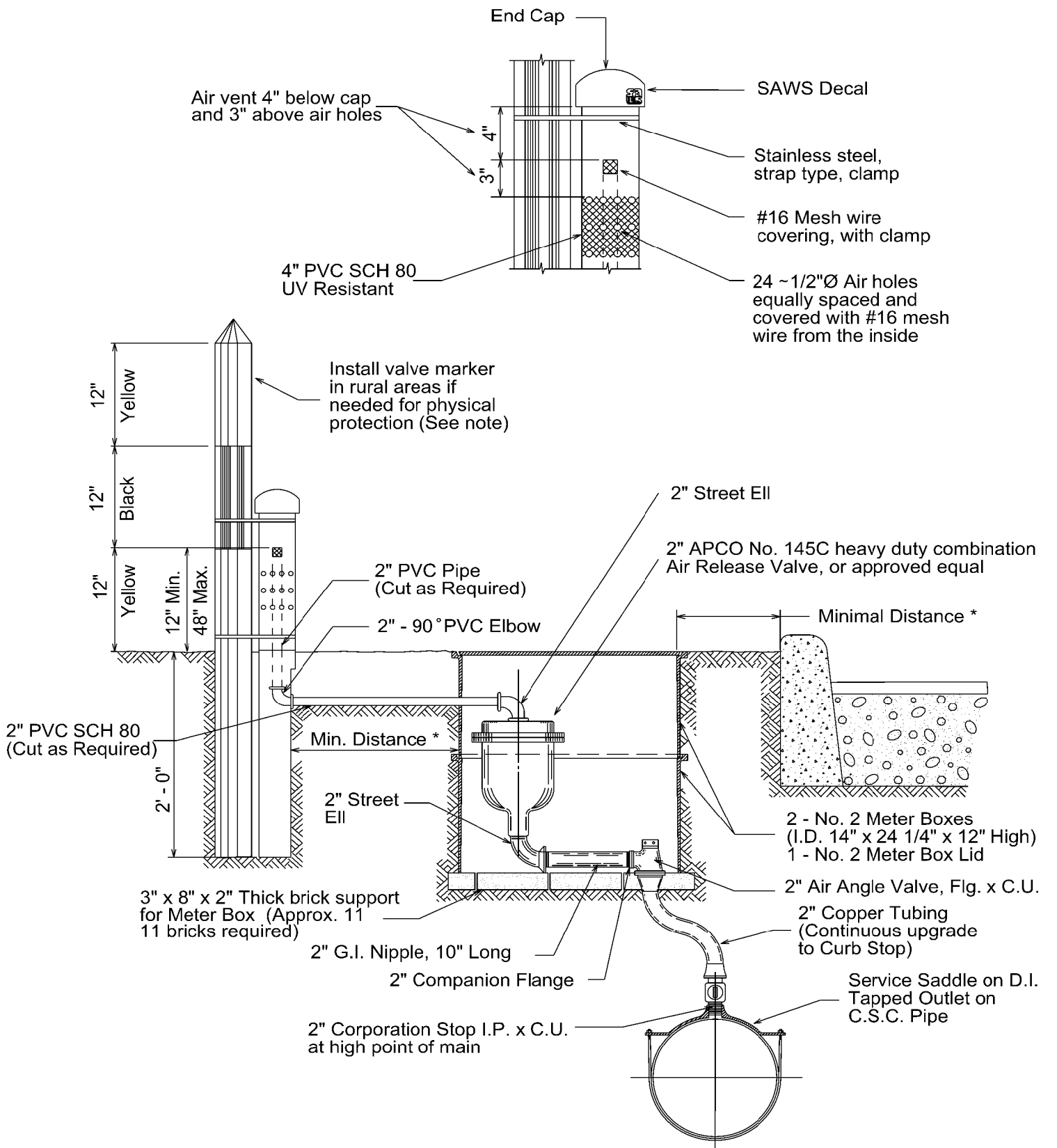
INSTALLATION OF
1" AIR RELEASE VALVE

APPROVED
MARCH 2008

REVISED
AUG 2019

DD 846-01

SHEET
1 OF 1



Note: In rural areas, riser should be at Property Line and at maximum height.

* Per direction from inspector.

PROPERTY OF SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	INSTALLATION OF 2" AIR RELEASE VALVE	APPROVED	REVISED
		March 2008	AUG 2019
		DD-846-02	
		SHEET <u>1</u> OF <u>1</u>	