

SECTION 116 – VALVES

1. GENERAL

Valves shall be furnished and installed where called for on the drawings, and shall be the same size as the pipeline in which they are placed. Valves shall have the same type of joint as used in the pipeline unless otherwise shown. All valves shall be factory tested to double working pressure. Each valve shall have the working pressure and the manufacturer's name or initial cast on the body. All valves shall open when turned to the left.

When installed with a valve box, valves shall be equipped with a two-inch square wrench nut and with extension stems terminating the wrench nut approximately 48 inches below the surface to permit use of the operating wrench.

2. RESILIENT SEAT/WEDGE VALVES

Resilient seat or wedge valves shall meet AWWA Specification C509 or C515; working pressure, iron body, non-rising stems with double O-ring seals, and be equipped with a square wrench nut. Flanges shall be faced and drilled to American 125-pound standard. Stems shall be solid bronze or stainless steel and stem nuts shall be solid bronze. Bonnet nuts and bolts shall be 304 stainless steel. The interior and exterior surfaces of the valves shall be protected with an epoxy coating. All Resilient Seat/Wedge Valves shall be manufactured by either of the following firms: Mueller, AVK, American Flow Control, or Clow.

3. VALVE BOXES

Valve boxes and lids shall be cast iron (Tyler Series 6850 or approved equal), of the extension type, of suitable length and diameter for the individual location, and equipped with removable cast iron covers. Sewer valve box lids shall be marked "Sewer".