

Handwheels and wrench nuts shall be marked per AWWA to indicate direction of opening.

All valves, including OS&Y, shall open right.

Tapping sleeves and crosses shall be mechanical joint type. Tapping valves shall be of the resilient wedge type. Valve, sleeves, and valve boxes shall meet all of the respective requirements of these specifications.

Valve chambers shall be Cincinnati standard precast concrete, valve chamber as manufactured by Duracrete, Inc. of Dayton, Ohio, or approved equal manhole frame and lid shall be EJIW 1045 or approved equal. A solid cover marked "Water" shall be furnished.

Valve boxes shall be adjustable, screw type cast iron consisting of two pieces (base, and top section) and a cover. The cover shall be marked "Water;" shaft diameter shall be five and one fourth (5 1/4) inches; length of the box and base size shall be as determined by conditions. The valve box shall not transmit shock or stress to the valve.

INSTALLATION

All valves, except as noted below, shall be installed in chambers.

Exceptions that may be installed with specified valve box:


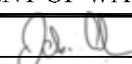
- Fire hydrant service line valves (watch valves)
- Tapping valves
- Valves on a service line off the main line and in proximity to a meter or other valve pit
- Mainline valves in pavement

Valves installed in chambers shall be set in accordance with the details shown on the applicable standard drawings. The valves shall be independently supported and braced in the chamber.

Valve boxes shall be set plumb and centered over the wrench nut of the valve. Box extension sections shall be used if required by depth of cover.

The manhole lids on valve chambers and the cover of the valve boxes shall be set flush in finished pavement areas and at the level as directed in other areas.

Valve boxes in isolated areas shall be furnished with a marker post set adjacent to the box marker posts may be ODOT 712.20 'drive posts'; channel section; post size no. 1 at 1.12 lb./ft. marker posts shall be painted "Water Works" blue.

	VILLAGE OF INDIAN HILL DEPARTMENT OF WATER WORKS	SPECIFICATIONS WATER MAIN AND APPURTENANCES	DRAWING NO.
	APPROVED  DATE November 2011		WW-115