

SECTION 3320 – ECCENTRIC PLUG VALVES

PART 1 - GENERAL

1.1 SCOPE OF WORK:

Provide all labor, materials, equipment and services required to furnish and install all eccentric plug valves shown on the drawings and/or specified herein.

1.2 SUBMITTALS:

- A. Descriptive literature, catalog cuts, and dimensional prints clearly indicating all dimensions and materials of construction, shall be submitted on all items specified herein to the ENGINEER for review before ordering.
- B. At the time of submission, the CONTRACTOR shall, in writing, call ENGINEER's attention to any deviations that the submittals may have from the requirements of the ENGINEER's Contract drawings and specifications.

PART 2 - PRODUCTS

2.1 ECCENTRIC PLUG VALVES:

- A. All eccentric plug valves shall be of the welded-in nickel seat type, cast iron body, and suitable for operating pressures of at least 175 psi (4"-12") or 150 psi (over 12"). Valves shall be of standard manufacturer and of the highest quality both as to materials and workmanship and shall be Dezurik or equal.
- B. All eccentric plug valves shall be furnished with mechanical joint end connections, unless otherwise shown on the drawings or specified hereinafter.
- C. An epoxy coating shall be applied to the interior and exterior ferrous surfaces of the eccentric plug valve except for finished or seating surfaces.
- D. All eccentric plug valves shall have the name or monogram of the manufacturer, the year the valve casting was made, the size of the valve, and the operating pressure cast on the body of the valve.
- E. Each buried eccentric plug valve shall be installed in a vertical position with a roadway type valve box. Eccentric plug valves set with valve boxes shall be provided with a 2-inch square operating nut and shall be opened by turning to the left (counter clockwise). There shall be a maximum 48" depth of valve operating nut. The CONTRACTOR must use extension stems, if necessary, to raise operator nut within 48" of final grade. Extensions must be securely attached to the operating nut so the shaft will not pull off of the operator.
- F. Each 6" or smaller eccentric plug valve in a pit or open installation shall have a lever actuator. Eccentric plug valves larger than 6" shall have a handwheel actuator.

PART 3 - BASIS OF PAYMENT

Payment for furnishing and installing eccentric plug valves and boxes will be made at the Contract unit price each, complete in place, which price shall include compensation for furnishing, hauling, excavation, installation, and backfilling.

END OF SECTION