

TELESCOPING VALVES    MUD VALVES    FLAP VALVES    SHEAR GATES

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**SECTION \_\_\_\_\_**

**MUD VALVES**

**1.0 GENERAL CONDITIONS**

**1.1 SCOPE OF WORK**

- A. The contractor shall furnish all labor, materials, equipment and incidentals required for installation of mud valves.

**1.2 QUALITY ASSURANCE**

- A. The manufacturer shall have experience 10 years manufacturing mud valves and shall show evidence of satisfactory operation in at least 5 installations. The manufacturer must be ISO 9001:2008 certified.

**1.3. SUBMITTALS**

- A. The manufacturer shall submit drawings showing critical dimensions, general construction, and materials used in the valve.

**2.0 PRODUCT**

**2.1 GENERAL DESIGN FOR MODEL A2500**

- A. The Mud Valve shall be of the heavy duty flanged type designed to provide a positive seal under both seating and unseating head conditions. The valves shall be (non-rising, rising) stem style as detailed on the schedule or the plans. The frame, plug, and yoke shall be cast iron (A126B). The seat ring shall be bronze (B62), with an accurately machined tapered seating face. The valve operating stem and lift nut shall be bronze (B421). The plug seat shall be a seamless molded, tapered resilient ring of BUNA-N, designed to accurately mate with the seat ring for a positive seal.

- B. The valve stem shall be machined.
- C. The plug stem shall have hydraulic relief slots to prevent sediment from building up in the plug stem area.
- D. The plug base shall have no thru holes as to prevent any possible leak path.
- E. The valve shall be machined, assembled, and tested in the USA for quality assurance.
- F. The manufacturer shall show proof of ISO 9001:2008 certification.
- G. Where required, the manufacturer shall provide valve operating stems, floor stands, and stem guides as specified in the valve schedule or plans.
- H. Valve and accessories shall be manufactured by Troy Valve Model A2500 (non-rising) or A2512 (rising) or approved equal.