

UNITED STATES DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE

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**CONSTRUCTION SPECIFICATION**

**CS-53: "VALVES AND METERS"**

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53.1 SCOPE

The work shall consist of furnishing and installing valves and/or meters at the location as shown on the drawings.

53.2 MATERIALS

The valves and/or meters shall conform to applicable material requirements of MS-218 for the type, capacity and the pressure rating as specified.

53.3 INSTALLATION

Valves and/or meters shall be installed according to the manufacturer's recommendations with no leakage at the maximum operating pressure. Align the valve or meter to the adjoining pipe to prevent damage to the threads or flanges during installation. All sealing materials or gaskets shall be in accordance with the manufacturer's recommendations.

Care shall be taken to prevent damage to factory coatings during storage, handling and/or installation.

Anchor bolts and other items embedded in concrete shall be held in alignment and secured in true position during concrete placement.

53.4 OPERATIONAL TESTS

Valves, meters, and appurtenances that have been installed shall be cleaned, lubricated, and serviced in accordance with the manufacturer's instructions. The equipment shall be tested throughout its full range of operation and adjusted as necessary for pressure and flow prior to use.