

SECTION 2270 - LAB SAMPLING STATIONS AND PURITY TEST STATIONS

PART 1 - GENERAL

1.1 SCOPE OF WORK:

Provide all labor, materials, equipment and services required to furnish and install all Purity Test Stations where shown on the drawings as specified herein. Provide all labor, materials, equipment and services required to furnish and install any Lab Sampling Stations where shown on the drawings as 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. Comply with provisions of Section 1010.
- 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 LAB SAMPLING STATION FOR DAILY CHLORINE RESIDUAL TESTING:

Daily chlorine residual testing stations shall be 4' bury, with a 3/4" FIP inlet, and a 3/4" hose or unthreaded nozzle. All stations shall be enclosed in a lockable, nonremovable, aluminum-cast housing. When opened, the station shall require no key for operation, and the water will flow in an all-stainless steel waterway. All working parts will also be of stainless steel and be removable from above ground with no digging. A stainless steel pet cock located below the sampling bibb will enable each station to be pumped free of standing water to prevent freezing and to minimize bacteria growth. The exterior piping shall be stainless steel. Station shall be Eclipse Model No. 88-SS, as manufactured by Kupferle Foundry Company, or approved equal. A curb stop and box must be installed between the main and the station with a 12" x 12" x 4" thick concrete pad around the curb stop box and sampling station.

2.2 PURITY TEST STATION FOR CONSTRUCTION TESTING:

- A. Temporary purity test stations for construction testing shall be located at least every one thousand two hundred feet (1,200') or where shown on the Plans or directed by the ENGINEER.
- B. Temporary purity test stations shall consist of a 3/4" corporation stop, 3/4" service piping, 3/4" curb stop valve, six to eight inch (6-8") bent length of 3/8" copper tubing, stake, and other materials to complete the installation as shown on the standard detail.
- C. Installation shall be located in such a position that the sampler can stand in a relatively dry location to obtain a sample.
- D. During freezing weather conditions, the 3/4" line shall be drained by the CONTRACTOR at the corporation stop and retightened, then reactivated by the CONTRACTOR when samples are obtained.
- E. Temporary purity test stations shall be removed upon completion of the project and the area restored. The corporation stops shall be turned off and all piping removed.

PART 3 - BASIS OF PAYMENT

Payment for Purity Test Stations shall be made at the Contract unit price each, complete in place, which price shall include furnishing and installing corporation stops, service piping, curb stops, boxes and all other material

and equipment, and all installation requirements for connection to the main. Lab Sampling Stations are not required unless a separate pay item is included on the Proposal Forms.

END OF SECTION