

YARD HYDRANT

****From Barre Town HES 026-1(38)**

- xx. DESCRIPTION. This work shall consist of furnishing and installing a yard hydrant as shown in the Plans and as directed by the Engineer.

The work under this Section shall be performed in accordance with these provisions, the Plans, and Sections 605 and 629 of the Standard Specifications.

- xx. MATERIALS. Materials shall meet the following requirements:

- (a) Yard Hydrant. The yard hydrant shall meet the following equipment requirements:

- (1) Woodford model Y2 yard hydrant with a bury depth of 1.8 m (6 feet), or approved equal;
- (2) Freezeless type with a backflow preventer. Hose connection backflow preventer shall be an ASSE 1052 approved NIDEL Model 37HF, or approved equal, with a 19 mm (¾") male hose thread and two check valves;
- (3) Automatically draining type with a drain;
- (4) Equipped for locking with a standard pad lock to prevent unauthorized usage;
- (5) Teflon impregnated packing with adjustable packing nut;
- (6) Variable flow plunger;
- (7) Air vent to allow draining, including with a hose attached;
- (8) 25 mm (1 inch) N.P.T. inlet;
- (9) Galvanized steel casing;
- (10) 10 mm (3/8") galvanized steel operating rod;
- (11) Capable of operating under pressure up to 860 kPa (125 psi) and at a temperature of up to 50°C (120°F).

- (b) Water Tube. The water tube shall be a 25 mm (1 inch) seamless copper water tube meeting the requirements of Subsection 740.04.

- (c) Geotextile. Geotextile shall meet the requirements of Section 649 for Geotextile for Underdrain Trench Lining.

- (d) Backfill. Backfill material shall meet the requirements of Subsection 704.16.

10/5/2011

- xx. CONSTRUCTION REQUIREMENTS. Hydrant installation shall be performed in accordance with the Plans and as directed by the Engineer.
- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Yard Hydrant) to be measured for payment will be the number of each yard hydrant installed in the complete and accepted work.
- xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Yard Hydrant) will be paid for at the Contract unit price for each. Payment will be full compensation for furnishing, transporting, handling, and placing the materials specified, including required unions or other fittings, geotextile fabric, and backfill; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Excavation for yard hydrant will be paid for as Trench Excavation of Earth.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.620 Special Provision (Yard Hydrant)	Each