

SECTION S925 – YARD HYDRANT

S925-1 DESCRIPTION

Work consists of the installation of a yard hydrant as required in the Contract Documents and as directed by the Project Manager.

Work is to be in conformance with the requirements of Section S900 General Water Provisions, Section S913 Water Service (2 Inch and Smaller) and Section S924 Water Meter Pit (2 Inch and Smaller).

S925-2 MATERIALS

S925-2.01 Yard Hydrant

Yard hydrant shall be non-freeze type with cast iron, above ground, lockable operating head and lift handle, 3/4 inch brass male hose nozzle, 1 inch galvanized steel casing, shutoff valve that operates below the frost line and is capable of draining when closed and shall have a 5 feet minimum bury depth. The hydrant shall be capable of operating at working pressures up to 125 p.s.i.

S925-2.02 Water Meter Pit

Water meter pit furnished for water services installed exclusively to supply yard hydrants shall be in conformance with Section S924 Water Meter Pit (2 Inch and Smaller), with meter size no larger than 1 inch. Meter pit setter shall be furnished with one angle ball valve on the meter inlet and one angle cartridge dual check valve on the meter outlet (for backflow protection).

S925-2.03 Washed Stone Drain

Washed stone shall be 3/8 inch to 1/2 inch diameter washed pea stone or gravel.

S925-3 CONSTRUCTION DETAILS

When a yard hydrant is installed on a water service, the water service is to be furnished with a backflow prevention device, as approved by the Water Bureau.

When a water service is installed exclusively to supply a yard hydrant, a water meter pit must be installed. Whenever possible, the meter pit is to be located on private property, as close as possible to the right-of-way line.

Yard hydrant shall be installed in accordance with manufacturer's specifications. The nozzle shall be located at least 24 inches above finished grade and the shutoff valve installed at least 5 feet below finished grade.

The water service shall be connected to the base of the hydrant using appropriate fittings. One cubic foot of washed stone drain material shall be installed around the valve at the base of the hydrant.

Overall installation shall be tested for leaks under line pressure in the presence of the Project Manager prior to backfilling, and all connections made watertight and free from leakage.

Yard hydrant shall be carefully set and braced to insure that it remains in a vertical position during and after backfilling. Excavation shall be backfilled and disturbed surface area restored.

S925-4 METHOD OF MEASUREMENT

Quantity to be measured for payment will be number of yard hydrants installed.

S925-5 BASIS OF PAYMENT

Unit price bid includes cost of: excavating, furnishing and installing yard hydrant, washed stone drain, connecting yard hydrant to water service, backfill; and furnishing all labor, material and equipment necessary to complete the work.

Furnishing and installation of corporation stop and connection, water service, curb stop and box, and water meter pit and backflow prevention device will be paid for under separate bid items.

Payment will be made under:

ITEM NO.	ITEM	PAY UNIT
S925.01	Yard Hydrant	Each