

ITEM 11615.1702 M - GENERAL PLUMBING CONSTRUCTION FOR NEW BUILDINGS

DESCRIPTION

Under this item, the Contractor shall furnish all labor and material for all plumbing work required to complete the new Buildings at the Arthur Kill and South Shore Park and Ride Facilities, in accordance with the Contract Drawings, specifications and/or as ordered by the Engineer.

The work includes, but is not limited to:

Furnish and install complete and operable domestic water supply system including all cold water and domestic hot water piping, domestic water heater, vents, pipe insulation, valves, flow meters, backflow preventers, and final valved connections to plumbing fixtures specified in Division 15 of this specification, and to all other fixtures furnished by other divisions.

Furnish and install a complete operable soil, waste and vent system for all fixtures. Install sanitary main to the limit of work as shown on the Contract Drawings and provide fresh air inlet and house trap.

Perform hydraulic calculations, design and install a complete wet and dry pipe fire protection sprinkler systems, Siamese connections, backflow preventers, fire protection panels and file with the building department.

Furnish and install all natural gas piping between the gas main located outside of the building, at the limit of work as shown on the Contract Drawings, and the duct furnaces and hot water heaters located inside the mechanical equipment rooms including metering devices, isolation valves and pressure regulators.

Obtain all permits and pay all fees required for installation of the systems.

Provide flushing, sterilization, testing, adjusting, and commissioning for the plumbing systems.

The work under this item does not include:

Site Work
General Buildings Construction Work
General Electrical Construction Work
General HVAC Construction Work

Limits of the Work, under this item, are shown in the Contract Drawings.

Whenever reference is made in the attached CSI specifications to an item in the "Standard Specifications", the Method of measurements and Basis of Payment requirements shall be omitted and the cost thereof included in the price bid for this item.

MATERIALS AND CONSTRUCTION DETAILS

The Contractor shall refer to the "products" and "Execution" portions included in the CSI specifications attached to this specification.

METHOD OF MEASUREMENT

This item shall be measured for payment on a lump sum basis for the work completed in accordance with the Contract Documents and as directed by the Engineer.

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BASIS OF PAYMENT

The lump sum price bid shall include the cost of furnishing all labor, material, equipment and appliances necessary to complete the work as indicated on the plans, and as specified under this item.

Monthly or semi-monthly payment will be made for this item in proportion to the total amount of work completed.

Before the first payment estimate is issued for work under this item, the Contractor shall furnish to the Engineer a detailed estimate of quantities and prices for all materials and labor included under this item, which shall aggregate the contract lump sum price bid for this item. This estimate shall be made out in such form as required and, if requested, supported by such evidence of its correctness as the Engineer may direct. This evidence shall include certified copies of subcontracts.

The Contractor agrees that this detailed estimate shall not become effective until it has been approved by the Engineer, who shall have the right to revise the estimate as, in his/her judgement, may be required to make the various subdivisions of work conform to their value. The approved detail estimate shall be used as a basis for monthly or semi monthly payments for work completed under this item. The proportionate share for bond premiums for this item shall not be listed as a separate item but its cost shall be distributed pro rate throughout the estimate for this item.