

MAINTENANCE OF EXISTING WATER FLOWS

****From Shrewsbury STP 1443(44)**

- xx. DESCRIPTION. This work shall consist of maintaining existing water flows during construction as required by the Contract Documents and as directed by the Engineer.

The work under this Section shall be performed in accordance with these provisions, the Plans, State of Vermont Water Supply Division Standards, Town of Bristol Construction Ordinance, and Section 629 of the Standard Specifications.

- xx. GENERAL. The Contractor shall submit to the Engineer and Owner detailed plans and descriptions outlining all provisions and precautions to be taken by the Contractor regarding the handling of existing water flows. This plan shall be designed by a Vermont licensed professional engineer and must be specific and complete, including such items as schedules, locations, elevations, capacities of equipment, materials, and all other incidental items necessary and/or required to ensure proper protection of the facilities, and compliance with the requirements and permit conditions specified in the Contract Documents. No construction shall begin until all provisions and requirements have been reviewed and approved by the Engineer and Owner, and the Contractor applies for and receives a permit from the State of Vermont Water Supply Division.

The submitted plan shall include, but not be limited to, the following items:

- (1) Number, size, material, location, and method of installation of piping.
 - (2) Temporary pipe supports and anchoring.
 - (3) Schedule for installation of and maintenance of temporary piping.
 - (4) Method for protecting pipe from freezing if construction schedule requires temporary service to be in operation during freezing conditions.
- xx. QUALITY ASSURANCE. The Contractor shall provide all necessary means to safely convey flows past the work area.
- xx. CONSTRUCTION REQUIREMENTS. Maintenance of existing water flows shall be performed in accordance with the following requirements:
- (a) The Contractor shall assure that construction activities do not interrupt water flows throughout the construction period unless a minimum 48 hour notice has been given to the Engineer and the Owner. Interruption of water service is limited to 8 hours maximum unless otherwise approved by the Engineer and Owner.
 - (b) Prior to disconnection of the existing water main and transfer to the temporary water system, the Contractor shall pressure test and disinfect the temporary system. Transfer to the temporary system shall be made only under direction of the Engineer.

xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Maintenance of Existing Flows) to be measured for payment will be on a lump sum basis for maintaining existing water flows in the complete and accepted work.

xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Maintenance of Existing Flows) will be paid for at the Contract lump sum price. Payment will be full compensation for furnishing, transporting, handling, and installing the materials specified; all appurtenant work and materials necessary for a complete installation, including but not limited to pipe, fittings, joint restraints, expansion joints, insulation, jacket, pipe supports, and testing the system; for permitting the system; for making all necessary connections; for making the required submittals; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.645 Special Provision (Maintenance of Existing Flows)	Lump Sum