

EXISTING DRAINAGE PIPE REPAIR

****From Brandon NH 019-3(495)**

xx. DESCRIPTION. This work shall consist of repairing and grouting separated joint(s) in existing reinforced concrete drain pipe(s) at the location(s) indicated in the Plans. This work also includes the application of an elastomeric polyurethane spray-on coating to the pipe(s) at the same location(s).

xx. MATERIALS.

(a) Repair and Grouting. Material used for repair and grouting of separated pipe joints shall meet the requirements of Section 541 for Concrete, Class B.

(b) Pipe Coating. Material used for spray-on pipe coating shall be a polyurethane based elastomer acceptable for use on reinforced concrete pipe per ASTM D 16, Type V.

The Contractor shall submit product data for all materials proposed for use in the work. Submittals shall include manufacturer's requirements for substrate preparation, material application, weather, temperature and moisture restrictions, curing after placement, all health and safety precautions, and applicable Material Safety Data Sheet(s) (MSDS).

All manufacturers' recommendations for approved products shall be strictly followed for all elements of material application.

xx. CONSTRUCTION REQUIREMENTS. Separated pipe joints shall be repaired from within the pipe. The Contractor shall perform all work in strict accordance with local, state, and federal safety provisions for confined space entry.

All separated joints shall be acceptably repaired and cured prior to application of elastomeric polyurethane coating. Elastomeric polyurethane coating shall be applied to the entire interior surface area of the existing pipe and all new sections of pipe extensions. The coating shall be applied to a minimum thickness of 2 mm (80 mils).

xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Pipe Joint Repair, RCP) to be measured for payment will be the number of cubic meters (cubic yards) of grout material furnished and placed in the complete and accepted work.

The quantity of Special Provision (Elastomeric Polyurethane Pipe Coating) to be measured for payment will be the number of liters (gallons) of coating material furnished and applied in the complete and accepted work.

xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Pipe Joint Repair, RCP) will be paid for at the Contract unit price per cubic meter (cubic yard). Payment will be full compensation for furnishing, transporting, handling, and placing

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the materials specified including and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

The accepted quantity of Special Provision (Elastomeric Polyurethane Pipe Coating) will be paid for at the Contract unit price square meter (square foot). Payment will be full compensation for furnishing, transporting, handling, and applying the materials specified 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>
900.608 Special Provision (Pipe Joint Repair, RCP)	Cubic Meter (Cubic Yard)
900.675 Special Provision (Elastomeric Polyurethane Pipe Coating)	Square Meter (Square Foot)