**SECTION 5.2**

**TECHNICAL SPECIFICATION FOR**

**WASTEWATER MAIN AND MANHOLE CLEANING**

**PART 1: GENERAL**

**1.1 Scope of Work**

Furnish all the necessary materials, equipment, tools, labor, and associated appurtenances for cleaning the wastewater mains and manholes to be rehabilitated as shown on the drawings and specified herein. Cleaning includes, but not limited to, removing foreign materials from the mains and manholes in preparation for cured-in place pipe (CIPP), pipe bursting (PB), manhole coating and other trenchless or open cut applications as necessary.

* 1. **Related Work**
* Technical Specification for Television Inspection of Wastewater Mains
* Technical Specification for Rehabilitation of Existing Wastewater Main by Pipe Bursting (PB)
* Technical Specifications for Rehabilitation of Existing Wastewater Main by Cured-in-Place Pipe (CIPP)

**PART 2: PRODUCTS**

**2.1 Cleaning Equipment**

Selection of cleaning equipment and method of cleaning must be based on the condition of the wastewater mains at the time work commences and subject to the Owner's approval. All cleaning equipment and devices shall be operated by experienced personnel. The Owner may require the Contractor to demonstrate the performance capabilities of the proposed cleaning equipment. If the cleaning equipment does not give the desired results required by the Owner, different equipment shall be used to achieve the desired result. More than one type of equipment/attachments may be required at any particular location(s).

**PART 3: EXECUTION**

**3.1 Wastewater Main Cleaning**

Base selection of the equipment on the conditions of mains at the time work commences. The equipment and methods selected are subject to the Owner’s approval. The equipment must be capable of removing dirt, grease, rocks, sand, and other materials and obstructions from the wastewater mains and manholes.

**3.2 Repair and Damaged Main**

If the main is damaged and requires repair prior to rehabilitation, make such repairs as directed by the Owner. Any pavement cut excavation and repair must comply with the City of Dallas Street Cut and Repair Manual, Latest Edition. If the main is damaged through the negligence of the contractor, make adequate repairs as approved by the Owner at no additional cost to the Owner.

**3.3 Final Acceptance**

The final inspection of the main will be either a television inspection, on­site inspection, or a combination of both methods as determined by the Owner. The cleaning must be to the satisfaction of the Owner. If inspection shows the cleaning to be insufficient, re-clean and re-inspect the main until cleaning is approved by the Owner.

**PART 4: METHOD OF MEASUREMENT AND PAYMENT**

 Method of Measurement and Payment for providing the Wastewater Main and Manhole Cleaning as specified in this section shall be incidental and inclusive in the applicable unit price bid item.

 **\*END OF SECTION\*\***