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SECTION 644 – REPAIRING OF EXISTING SPRINKLER SYSTEM

644.01 Description. This section is for furnishing labor, materials, tools, and equipment necessary for repairing damaged sprinkler systems from the supply valves to the sprinkler heads within and adjacent to the construction projects limits as directed by the Engineer.

The work includes repairing existing damaged and/or malfunctioning parts of the sprinkler systems from supply valves to sprinkler heads or as directed by the Engineer.

644.02 Materials. The Contractor shall reuse salvageable materials wherever feasible. For replacement of sprinkler parts, the Contractor shall purchase all needed parts from any supplier; but prior to purchase, the Contractor shall submit a list of needed parts and their price to the Engineer for acceptance. Replacement sprinkler heads shall match existing sprinkler head type and specifications including pressure rating [PSI], spray radius, and range of motion. Any part of the irrigation system or salvageable materials damaged through the Contractor’s negligence or actions shall be replaced at no increase in contract price or contract time.

644.03 Construction Requirements. The repaired sprinkler systems shall operate as intended by the original design. Replace all capped irrigation risers with sprinkler heads to match existing sprinkler head type existing on same irrigation valve. Contractor shall remove all abandoned above ground irrigation pipes and abandoned temporary irrigation systems. All work shall be in accordance with the latest Section 616 – Sprinkler System. At the conclusion of the contract period, the Engineer will conduct an inspection of the sprinkler system as part of the project final inspection.

644.04 Method of Measurement. The Engineer will measure repair of existing sprinkler system within and adjacent to the project limits on a force account basis in accordance with Subsection 109.06 - Force Account Provisions and Compensation and as ordered by the Engineer.

644.05 Basis of Payment. The Engineer will pay for the accepted repair of existing sprinkler system within and adjacent to the project limits at the contract price per pay unit. Payment will be full compensation for the work prescribed in this section, by the Engineer, and the contract documents.

The Engineer will pay for the following pay item when included in the proposal schedule:

Pay Item	Pay Unit
Repair of Existing Sprinkler Systems	Force Account

48 An estimated amount for the force accounts allocated in the proposal
49 schedule under 'Repair of Existing Sprinkler Systems', but the actual amount to
50 be paid will be the sum shown on the accepted force account records, whether
51 this sum be more or less than the estimated amount allocated in the proposal
52 schedule.

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END OF SECTION 644