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SAMPLE PROPOSAL

EXISTING SPRINKLER SYSTEM ASSESSMENT

- (1) Pre-Assessment
 - ✓ Consult with the superintendent to determine the most suitable time of year to conduct the assessment

- (2) Assessment Areas
 - a. Background Information
 - ✓ Consult with the superintendent when the system was installed, who installed it, and what equipment was originally installed.
 - ✓ Review any significant changes, additions or repairs made since the original installation
 - ✓ Determine the yearly cost to adjust and repair the existing irrigation system

 - b. Sprinklers and Swing Joints
 - ✓ Check the sprinklers for consistency of spacing, rotation speed and operating pressure

 - c. Pipe and Fittings
 - ✓ Conduct a hydraulic analysis of all mainline piping to calculate the water velocity and pressure loss throughout the golf course during a typical night time watering cycle

 - d. Valves and Valve Boxes
 - ✓ Determine the amount, location and condition of all types of valves used on the golf course.

 - e. Field Controllers and Wiring
 - ✓ Check the field controllers for age, condition, proper grounding and lightning protection
 - ✓ Check the field controllers for proper 120 volt wire sizing, wire connections and amperage draw during typical night time watering

 - f. Central Irrigation Computer
 - ✓ Determine if the superintendent's irrigation schedule matches the hydraulic capabilities of the mainline piping system

 - g. Pumps and Pump Controls
 - ✓ Evaluate the methodology used in controlling the pumps operation, and sequencing

- (3) Report
 - a. Conclusions
 - ✓ Highlight the positive and negative aspects of the existing irrigation system

 - b. Recommendations
 - ✓ Prioritize short and long term objectives to upgrade or replace the existing irrigation system
 - ✓ Estimate budget costs for each objective