



City of
Casa Grande

City of Casa Grande

REQUEST FOR QUALIFICATIONS

**IRRIGATION DESIGN AND CONSULTING SERVICES
FOR DAVE WHITE GOLF COURSE
City of Casa Grande, Arizona**

Statement of Qualifications due by:

Tuesday, July 13, 2021 at 2:00pm

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INFORMATION AND INSTRUCTIONS

Material and/or Service: Request for qualifications for irrigation design services, consulting, and potential construction oversight services for Dave White Golf Course.

Submittal DUE DATE: July 13, 2021

Time: **2:00 P.M.**

RFP Delivery Location: Gloria Leija, City Clerk
City of Casa Grande
510 E. Florence Boulevard
Casa Grande, AZ 85122

SECTION ONE PROJECT DESCRIPTION

The City of Casa Grande owns and operates Dave White Golf Course, an 18-hole golf facility. The golf course is irrigated with effluent water from two pump stations. One pump station is located on the front nine and one on the back nine. Several small lakes are near each station and provide water for irrigation. Effluent water is provided by the City of Casa Grande's wastewater treatment plant located to the west of the golf course.

In approximately 2008, the City installed a central controller, satellites, irrigation lines, sprinkler heads and other related irrigation equipment for the golf course. The central controller and associated satellites have reached the end of their useful life. Irrigation lines and many of the individual sprinklers are functioning properly and have been replaced periodically over time.

The City of Casa Grande is seeking a qualified irrigation consultant to provide irrigation design services, consulting, and potentially construction oversight should changes be recommended in the irrigation system for Dave White Golf Course. The City is seeking to modernize the golf course irrigation system, incorporate new equipment where necessary, maximize efficient water usage and provide quality turf for golfers.

SECTION TWO SCOPE OF WORK

The Irrigation Design Consultant (IDC) will review the current irrigation system and recommend changes and modifications for improvement of the system. Should the City decide to move forward with recommended improvements, the IDC will design and provide construction administration services to oversee any improvements. The anticipated work should be scheduled for May of 2022 and after, in order to facilitate play throughout the winter golf season.

Design services by the IDC may include, but not necessarily be limited to:

Irrigation Design

- Irrigation designed for planned site conditions.
- Sprinkler head spacing, nozzle and pressure selections to ensure greatest uniform distribution of water.

- System should provide precise head control, weather station monitoring, flow management, and optimization of central control software.
- The control system should be modern cloud-based equipment.

Mapping

- Prepare course base information utilizing aerial and field surveying.
- Mapping should include identifiable features including greens, tees, fairways, perimeter turf lines, cart path, lakes, bunkers, and trees.
- All existing heads, valves, satellites and pump stations should be located, identified, and operated to provide current irrigation conditions.

Recommendations

- Upon reviewing current conditions of both the irrigation system and the desired turf, the IDC will recommend changes to the system.
- These changes should include any recommendations for a central control system, satellite system, irrigation head placement or other necessary changes to meet the needs of the City.

Construction Documents

- Should the recommendations include a new irrigation construction project, the IDC will provide detailed construction documents necessary for a successful project.
- These documents would include detailed design, specifications of equipment, construction timeline and estimate of probable cost.
- Provide a construction document package complete for bidding purposes.
- With City assistance, review and evaluate all bids and recommend the selection of a contractor.

Construction Oversight

- Participate in any pre-construction meetings.
- Review design with contractor and ensure a complete understanding of any recommended project.
- Field observation to verify proper system installation.
- Conduct reviews and testing of installed equipment.
- Conduct a final walk-through and sign off of any construction project.

Final Documents

- Provide all necessary drawings of any project in digital formats.
- Provide all mappings of the irrigation system in digital formats.
- Train existing staff and provide operations manuals.
- Program new systems and equipment to maximize design features.
- Create custom irrigation schedules with staff.
- Provide one year of operational consulting to ensure proper usage of new system.
- Final inspection of irrigation system following one year of operation.