

## REQUEST FOR COUNCIL ACTION

**SUBJECT:** Award and Execute a Contract for the Calsense Central Irrigation Control System and Backflow Replacement Project

**SUMMARY:** Award a contract to Turf Sprinkler Company and authorize the Mayor to execute a contract with Turf Sprinkler Company for the Calsense Central Irrigation Control System and Backflow Replacement project in an amount not to exceed \$616,050.00.

**FISCAL AND/OR**

**ASSET IMPACT:** Funding for this project is available from the Parks budget.

**STAFF RECOMMENDATION:**

Staff recommends approval of a contract to Turf Sprinkler Company and authorize the Mayor to execute a contract with Turf Sprinkler Company for the Calsense Central Irrigation Control System and Backflow Replacement project in an amount not to exceed \$616,050.00.

**MOTION RECOMMENDED:**

"I move to adopt Resolution No. 19-158 awarding a contract to Turf Sprinkler Company and authorize the Mayor to execute a contract with Turf Sprinkler Company for the Calsense Central Irrigation Control System and Backflow Replacement project in an amount not to exceed \$616,050.00."

Roll Call vote required.

**Prepared and Presented by:**

Dave Naylor

Dave Naylor (Aug 13, 2019)

Dave Naylor  
Parks Manager

**Recommended by:**

Brian Clegg

Brian Clegg (Aug 13, 2019)

Brian Clegg  
Public Works Director

**Authorized for Council Consideration:**

David R. Brickey

David R. Brickey (Aug 13, 2019)

David R. Brickey  
City Manager

*DRB*

**Reviewed as to Legal Sufficiency:**

Jared C. Tingey

Jared C. Tingey (Aug 13, 2019)

City Attorney's Office

## **BACKGROUND DISCUSSION:**

In order to further conserve water and better control the many irrigation systems throughout the City from one central site, the City has completed the initial phase of the Calsense Central Irrigation Control System project, which converted most city-maintained properties. There is a continued effort to conserve water resources and as funding becomes available the City has been converting outdated systems to this new system.

Funding is also currently available to replace double check valve backflow prevention devices in the parks and park strips to become compliant with current codes and regulations.

The City of West Jordan received bids from two suppliers: Zavala Landscape and Turf Sprinkler. Turf Sprinkler was the lowest responsible bidder.

### **Attachments:**

Resolution

Contract

THE CITY OF WEST JORDAN, UTAH

A Municipal Corporation

RESOLUTION NO. 19-158

**A RESOLUTION AWARDING A CONTRACT WITH TURF SPRINKLER COMPANY AND  
AUTHORIZING THE MAYOR TO EXECUTE A CONTRACT BETWEEN  
THE CITY AND TURF SPRINKLER COMPANY  
FOR THE CALSENSE CENTRAL IRRIGATION CONTROL SYSTEM AND BACKFLOW  
REPLACEMENT PROJECT**

Whereas, the City of West Jordan has received proposals for the Calsense Central Irrigation Control System and Backflow Replacement project. Based on the City's selection criteria Turf Sprinkler Company is the recommended contractor for the Calsense Central Irrigation Control System and Backflow Replacement project in an amount not to exceed \$616,050.00; and

Whereas, the City Council desires to execute a Contract with Turf Sprinkler Company which award shall not be binding upon the City of West Jordan unless and until the Contract is fully executed by the parties; and

Whereas, the proposed Contract between the City of West Jordan and Turf Sprinkler Company (a copy of which is attached as **Exhibit A**) for the Calsense Central Irrigation Control System and Backflow Replacement project has been reviewed; and

Whereas, the City Council of the City of West Jordan has determined that the attached Contract with Turf Sprinkler Company for the Calsense Central Irrigation Control System and Backflow Replacement project, in an amount not to exceed \$616,050.00, is acceptable.

NOW, THEREFORE, IT IS RESOLVED BY THE CITY COUNCIL OF WEST JORDAN, UTAH; THAT:

- Section 1. The Contract for the Calsense Central Irrigation Control System and Backflow Replacement project is hereby awarded to Turf Sprinkler Company, which award shall not be binding upon the City of West Jordan until the Contract is fully executed by the parties.
- Section 2. The Mayor is hereby authorized to execute the attached Contract between the City of West Jordan and Turf Sprinkler Company for the Calsense Central Irrigation Control System and Backflow Replacement project in the amount of \$616,050.00; and
- Section 3. This Resolution shall take effect immediately.

Adopted by the City Council of West Jordan, Utah, this 27<sup>th</sup> day of August 2019.

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Jim Riding  
Mayor

ATTEST:

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Jamie Brooks, CMC  
Interim City Recorder

RESOLUTION NO. 19-158

**A RESOLUTION AWARDED A CONTRACT WITH TURF SPRINKLER COMPANY AND  
AUTHORIZING THE MAYOR TO EXECUTE A CONTRACT BETWEEN  
THE CITY AND TURF SPRINKLER COMPANY  
FOR THE CALSENSE CENTRAL IRRIGATION CONTROL SYSTEM AND BACKFLOW  
REPLACEMENT PROJECT**

Voting by the City Council	"YES"	"NO"
Council Member Alan Anderson	_____	_____
Council Member Dirk Burton	_____	_____
Council Member Zach Jacob	_____	_____
Council Member Chad R. Lamb	_____	_____
Council Member Chris McConnehey	_____	_____
Council Member Kayleen Whitelock	_____	_____
Mayor Jim Riding	_____	_____



**CITY OF WEST JORDAN CONTRACT**

1. **CONTRACTING PARTIES:** This contract is between the City of West Jordan, a municipality and political subdivision of the State of Utah and the following CONTRACTOR:

**Turf Sprinkler Company  
2808 East Mt. Jordan Road  
Sandy, UT 84092**

2. **GENERAL PURPOSE OF CONTRACT:** The general purpose of this contract is to install Calsense Central Irrigation Control System for projects listed in Attachment 1 of the IFB, and to replace deficient backflow prevention devices for projects identified in Attachments 2 and 3 of the IFB

3. **PROCUREMENT:** This contract is entered into as a result of the Bid which was submitted to the City on July 31, 2019, by the contractor.

4. **CONTRACT PERIOD: Effective date:** August 28, 2019 **Termination date:** April 1, 2020, unless terminated early or extended in accordance with the terms and conditions of this contract.

5. **CONTRACT COSTS:** CONTRACTOR will be paid a maximum of **\$616,050.00** for costs authorized by this contract.

6. **INSURANCE:** The contractor shall maintain not less than (a) \$5,000,000.00 automobile insurance, (b) \$5,000,000 general liability insurance with \$7,000,000 general aggregate, and (c) worker's compensation as required by state statute, during the duration of this contract.

7. **ATTACHMENT A:** Standard Terms and Conditions  
**ATTACHMENT B:** Scope of Work  
**ATTACHMENT C:** Insurance Certificate  
**ATTACHMENT D:** Payment Bond – N/A  
**ATTACHMENT E:** Performance Bond Equal to Contract amount  
**Any conflicts between Attachment A and other Attachments will be resolved in favor of Attachment A.**

8. **DOCUMENTS INCORPORATED INTO THIS CONTRACT BY REFERENCE BUT NOT ATTACHED:**  
a. All other governmental laws, regulations, or actions applicable to the goods and/or services authorized by this contract.  
b. City of West Jordan's Procurement Policies, and the Proposal which was submitted to the City on July 31, 2019, by the contractor.

IN WITNESS WHEREOF, the parties sign and cause this contract to be executed.

**CITY OF WEST JORDAN**

\_\_\_\_\_  
Mayor's signature

**Attest:**

\_\_\_\_\_  
City Recorder

Date: \_\_\_\_\_

**Approved As To Form:**

*Jared C. Tingey*  
\_\_\_\_\_  
Jared C. Tingey (Aug 13, 2019)

\_\_\_\_\_  
City Attorney

Date: 8-13-2019 (per m.c.)



## ATTACHMENT A: STANDARD TERMS AND CONDITIONS

1. **AUTHORITY:** Provisions of this Contract are pursuant to the authority set forth in the West Jordan Municipal Code Section 3-1-2 et seq. Mandatory applicable state and federal law and regulations also apply.
- 2.
3. **CONTRACT JURISDICTION, CHOICE OF LAW, AND VENUE:** The provisions of this Contract shall be governed by the laws of the State of Utah. The parties will submit to the jurisdiction of the courts of the State of Utah for any dispute arising out of this Contract or the breach thereof. Venue shall be in Salt Lake County.
4. **RECORDS ADMINISTRATION:** The CONTRACTOR shall maintain, or supervise the maintenance of all records necessary to properly account for the payments made to the CONTRACTOR for costs authorized by this contract. These records shall be retained by the CONTRACTOR for at least four years after the contract terminates, or until all audits initiated within the four years, have been completed, whichever is later.
5. **AUDIT OF RECORDS:** The CONTRACTOR agrees to allow City, State, and Federal auditors, access to all the records to this contract, for audit and inspection, and monitoring of services. Such access will be during normal business hours, or by appointment.
6. **CONFLICT OF INTEREST:** Contractor represents that none of its officers or employees are officers or employees of the City of West Jordan unless disclosure has been made in accordance with City ordinances and policies. Further, contractor certifies that it has not offered or given any gift or compensation prohibited by local, state, or federal law, to any officer or employee of the City of West Jordan to secure favorable treatment with respect to being awarded this Contract.
7. **INSURANCE:** The contractor shall maintain not less than (a) \$3,000,000.00 automobile insurance, (b) \$2,000,000.00 general liability insurance with \$3,000,000.00 general aggregate, and (c) worker's compensation as required by state statute, during the duration of this contract.
8. **CONTRACTOR, AN INDEPENDENT CONTRACTOR:** Contractor shall be an independent contractor, and as such shall have no authorization, express or implied to bind the City of West Jordan to any agreements, settlements, liability or understanding whatsoever, and agrees not to perform any acts as agent for the City, except as expressly set forth herein. The CONTRACTOR shall be responsible for the payment of all income tax and social security amounts due as a result of payments received from the CITY for these contract services. Persons employed by the CITY and acting under the direction of the CITY shall not be deemed to be employees or agents of the CONTRACTOR.
9. **INDEMNITY CLAUSE:** The CONTRACTOR agrees to indemnify, save harmless, and release the CITY OF WEST JORDAN, and all its officers, agents, volunteers, and employees from and against any and all loss, damages, injury, liability, suits, and proceedings arising out of the performance of this contract which are caused in whole or in part by the negligence of the CONTRACTOR'S officers, agents, volunteers, or employees, but not for claims arising from the City's sole negligence.
10. **EQUAL OPPORTUNITY CLAUSE:** The CONTRACTOR agrees to abide by the provisions of Title VI and VII of the Civil Rights Act of 1964 (42USC 2000e) which prohibits discrimination against any employee or applicant for employment or any applicant or recipient of services, on the basis of race, religion, color, or national origin; and further agrees to abide by Executive Order No. 11246, as amended, which prohibits discrimination on the basis of sex; 45 CFR 90 which prohibits discrimination on the basis of age; and Section 504 of the Rehabilitation Act of 1973, or the Americans with Disabilities Act of 1990 which prohibits discrimination on the basis of disabilities. Also, the CONTRACTOR agrees to abide by Utah's Executive Order, dated June 30, 1989, which prohibits sexual harassment in the workplace.
11. **SEPARABILITY CLAUSE:** A declaration by any court, or any other binding legal source, that any provision of this contract is illegal and void shall not affect the legality and enforceability of any other provision of this contract unless the provisions are mutually dependent.
12. **RENEGOTIATION OR MODIFICATIONS:** This contract may be amended, modified, or supplemented only by written amendment to the contract, executed by the parties hereto, and attached to the original signed copy of the contract.
13. **DEBARMENT:** The CONTRACTOR certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction (contract), by any governmental department or agency. If the CONTRACTOR cannot certify this statement, attach a written explanation for review by the City.
14. **TERMINATION:** Unless otherwise stated in the Special Terms and Conditions, this contract may be terminated, with cause by either party, in advance of the specified termination date, upon written notice being given by the other party. The party in violation will be given ten (10) working days after notification to correct and cease the violations, after which the contract may be terminated for cause. This contract may be terminated without cause, in advance of the specified expiration date, by either party, upon 30 days prior written notice being given the other party. On termination of this contract, all accounts and payments will be processed according to the financial arrangements set forth herein for approved services rendered to date of termination.
15. **SALES TAX EXEMPTION:** The City of West Jordan's sales and use tax exemption number is E39555. The tangible personal property or services being purchased are being paid from City funds and used in the exercise of the City's essential functions. If the items being purchased are construction materials, they will be converted into real property by employees of the City.
16. **WARRANTY:** The contractor agrees to warrant and assume responsibility for all products or services that it licenses, contracts, or sells to the City of West Jordan under this contract for a period of one year unless otherwise specified and mutually agreed upon elsewhere in this contract. Product liability disclaimers and/or warranty disclaimers from the seller are not applicable to this contract unless otherwise specified and mutually agreed upon elsewhere in this contract. In general, the contractor warrants that: (1) the product or services will do what the salesperson said it would do, (2) the product or services will live up to all specific claims that the manufacturer makes in their advertisements, (3) the product or services will be suitable for the ordinary purposes for which such product is used, (4) the product or services will be suitable for any special purposes that the City of West Jordan

has relied on the contractor's skill or judgment to consider when it advised the City about the product or services, (5) the product has been properly designed and manufactured, and (6) the product is free of significant defects or unusual problems about which the City has not been warned. Remedies available to the City of West Jordan include the following: The contractor will repair or replace (at no charge to the City) the product or services whose nonconformance is discovered and made known to the contractor in writing. If the repaired and/or replaced product or services prove to be inadequate or fails of its essential purpose, the contractor will refund the full amount of any payments that have been made. Nothing in this warranty will be construed to limit any rights or remedies the City of West Jordan may otherwise have under this contract or provided under the Uniform Commercial Code of the State of Utah.

## ATTACHMENT B: SCOPE OF WORK



**Calsense Central Irrigation Control System and Backflow Replacement Project**

**INVITATION FOR BID SUBMITTAL CHECKLIST**

Company: Turf Sprinkler Company

**BIDDER'S CHECKLIST**

In an effort to assist the Bidder in properly completing all documentation required, the following checklist is provided for the Bidder's convenience. The Bidder is solely responsible for verifying compliance with bid submittal requirements, including those not specifically stated below.

Submit this checklist with your electronic bid submission.

- Invitation for Bid form
- Proof of a minimum of 10 years of experience
- References (3 minimum)
- Copy of business license
- Copy of Contractors license
- Insurance certificate
- Certified Irrigation Contactor Certification
- Attachment 1
- Attachment 2
- Attachment 3
- List of similar projects that span a period of 5-years or longer that are similar to the work required in this Scope of Work. Provide details of projects with contact information for similar projects
- City Non-Collusion Affidavit form

**TURF SPRINKLER COMPANY**  
2808 East Mt. Jordan Road, Sandy, Utah 84092  
(801) 943-5055 FAX: (801) 942-8978  
[turfsprinkler@comcast.net](mailto:turfsprinkler@comcast.net)

**Turf Sprinkler Company has:**

> been in business for 53 years (since 1966) and has installed many of the finest customized landscape irrigation systems in the Intermountain Area. The company is still locally owned and operated by the same family that founded it.

**Turf Sprinkler Company employs:**

>8 first-rate foremen/service technicians with over 225 years of combined experience—of which 175 years are with our company! (This does not include the 60+ years of experience of the original founder who still works for the company as a consultant!)

>An office manager/receptionist who knows our customers by name, is part owner, and has over 40 years' experience with our company.

>3 Certified Irrigation Contractors

>4 Certified Landscape Irrigation Auditors

>1 Certified Irrigation Designer

>2 Golf Course Irrigation Auditors

>2 Certified Backflow Technicians

>We are the only company in the state with all the above credentials

**Turf Sprinkler Company is:**

- >Licensed for landscaping and irrigation in Utah
- >Also licensed for landscape irrigation contracting in Wyoming & Idaho
- >A member of the Utah Irrigation Association, the Utah Nursery & Landscape Association, The Irrigation Association, The Intermountain Golf Course Superintendents' Association, and the Better Business Bureau.

**Turf Sprinkler Company can:**

- >Handle any size irrigation project, from residential repairs to golf course irrigation installations
- >Handle all your trenching/pipe pulling, and wire laying needs
- >Trouble-shoot electrical problems, track wire, and locate broken wires
- >Test backflow prevention assemblies
- >Perform water audits to determine precise, customized watering schedules

**Turf Sprinkler Company will:**

- >Install high-quality, efficient, water-wise, and dependable landscape irrigation systems at competitive prices
- >Guarantee satisfaction and be there to serve your future needs as well!



**INVITATION FOR BIDS**

**BID No.: PW20071601 -Addendum #1**

**BID DUE DATE: July 31, 2019**

**QUESTIONS DEADLINE: July 23, 2019 @ 10:00 a.m. MST**

**Calsense Central Irrigation Control System and  
Backflow Replacement Project**

**Please complete:**

Fed Tax ID No.: 87-0271767

COMPANY Name: Turf Sprinkler Company Contact Person: Kurt Young

Phone Number: 801 943 5055 Email Address: turfsprinkler@comcast.net

Address (orders): 2808 East Mt Jordan Road City: Sandy State: Utah Zip: 84092

Remit Address: Same City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**GENERAL INFORMATION**

West Jordan City (OWNER) is seeking bids from qualified irrigation contractors for the Calsense Central Irrigation Control System Controllers and Backflow Replacement Project at various locations throughout the City of West Jordan.

The City has completed an initial phase of the Calsense Central Irrigation Control System, which converted most city-maintained properties to the Calsense Central Irrigation Control System. There is a continued effort to conserve water resources and as funding becomes available the city has been converting outdated systems to the Calsense Central Irrigation Control System. Funding is also available to replace double check valve backflow prevention devices to become compliant with current codes and regulations.

Qualified irrigation contractor shall submit bids to install Calsense Central Irrigation Control Systems and to replace deficient backflow prevention devices.

**DETAILED SCOPE OF WORK (WORK)**

The objective of the City is to convert various properties in the City to the Calsense Central Irrigation Control System to utilize water resources more efficiently. This project also

incorporates the replacement of double check valve backflow prevention devices. The objective of this portion of the project is focused on replacing double check vane backflow prevention devices into compliance with current codes and regulations. The separate elements of this project have been combined into one bid because ten sites require both elements to be performed. On the sites that require the installation of both elements, it is the City's desire to complete the projects simultaneously to capture cost savings on the project. The backflow replacement portion of this proposal is to be completed prior to the Calsense Central Irrigation Control System portion of the project. The entire project shall be completed on or before April 1, 2020.

The Bidder shall familiarize itself with the nature and extent of the project's requirements, work site, legal requirements including state and local laws, ordinances, rules and regulations, and the conditions affecting cost, progress of performance of the work, and shall make all such independent investigations, as Bidder deems necessary to submit a responsible bid.

To be considered as a qualified bidder, all Bidders must meet the following requirements:

1. Bidder must be a Certified Irrigation Contactor with certification through the Irrigation Association.
2. Bidder must be a licensed contractor with the State of Utah with a minimum of 10-years as an Irrigation Contractor.
3. Bidder must have 5-years of similar experience to the work required in this Scope of Work. Provide details of projects with contact information for similar projects.
4. Provide three (3) references.

**A copy of your Certification, Contractors and Business License should be provided at the time of bid submittal.** The City reserves the right to contact any project contact(s) and reference(s).

## **PROJECT OBJECTIVES AND SCHEDULE – Calsense Central Irrigation Control System**

### **SCOPE OF WORK**

#### **Calsense Central Irrigation Control System**

1. The Contractor will be required to install the Calsense Central Irrigation Control System at eighteen locations as specified in "Attachment 1". It is the intent of the City to complete as many Calsense Central Irrigation Control Systems as funding allows. The contractor is to provide an itemized cost for each location as outlined in "Attachment 1".
2. The contractor will be required to supply all materials and labor required to complete the project as per the specifications and details. All controllers to be installed shall be Calsense model CS3000 irrigation controllers. The Contractor shall install controllers as specified in "Attachment 1" under "Complete Controller Schedule" and controller shall be approved by the City prior to the purchase of the controllers. Refer to attachment "Area 2", "Area 4", "Area 5a", "Area 5b", "Area 6", and "PK Drawings" for details and

specifications. All project locations are existing sites with established landscape, power source, and water connection. The Contractor is encouraged to visit the sites to familiarize themselves with the site conditions that exist at each project location.

3. The Contractor is responsible for obtaining utility markings by contacting Blue Stakes and all applicable utility providers. It will be the Contractor's Sole responsibility to directly contact any utility companies that are not members of Blue Stakes. It shall be the Contractor's sole responsibility to protect all existing utilities so that no damage results to them during the performance of this contract. Any repairs necessary to damaged utilities shall be paid for by the Contractor. The Contractor shall be required to acquire all applicable permits to work in the road right of ways. The Contractor shall be required to supply any traffic control devices to conform to current West Jordan City and MUTCD Standards. The Contractor shall be responsible for all flagging, caution signs, lights, barricades, flagmen, and all other devices necessary for public safety.

All controllers shall be commissioned prior to the release of the project. Commissioning shall be performed by a City designee to ensure proper installation, workmanship, and communications. The contractor shall be required to make corrections as identified by the City designee at the contractor's expense.

**Irrigation Central Control System**

All control wire shall be 14-gauge solid core or greater. Controller wire colors are as follows:

**Irrigation Wire Color Coding**

Common	White
Valve Wire	Red
Spare	Orange
Tracer	Green
Master Valve	Blue and yellow
Flow Meter	Black and Purple

**Automatic Controller**

1. Controller(s) shall be the Calsense model CS3000 irrigation controller as indicated in "Attachment 1", and shall be installed per manufacturer's specifications, as shown on the drawings, and as specified herein.
2. The irrigation controller shall have a 10-year, limited warranty.

3. The irrigation controller shall have a large 5.7-inch backlit, ¼ VGA, LCD, sunlight readable display where information can be viewed on the same screen, and with a scrolling side menu design that makes programming intuitive and easy to follow.
4. The controller shall be available in multiple station counts including 8, 16, 24, 32, 40 or 48 stations. If less than 48 stations are purchased initially, additional stations can be added at any time in the field using 8-station kits.
5. The controller shall support up to 128-stations when using 2-Wire. This can be either 128, 2-Wire stations or a combination of up to 48 conventional-wired stations plus 80, 2-Wire stations.
6. The controller shall have unlimited programs known as Station Groups which can water individually or concurrently to maximize irrigation system capacity and reduce watering time.
7. The controller shall have the ability to assign landscape details as plant material, head type, soil type and exposure to each Station Group to simplify programming of stations with similar characteristics. Each group shall include a variety of other settings including irrigation schedule, percent adjust factor, line-fill times and one-at-a time rules.
8. The controller shall support up to four mainlines simultaneously for managing flow.
9. The controller shall support up to 12 points of connection shared among controllers.
10. The controller shall support up to 3 flow sensors and 3 master valves in a by-pass configuration so as to accurately measure and read the overall range of station flow rates from the lowest flowing station in GPM to the highest flowing station in GPM, using the 2-Wire option and the 2-Wire, POC decoders for all 3 flow devices and master valves.
11. The controller shall automatically calculate cycle and soak scheduling to water each station for a fixed cycle time and allow the water to soak in between cycles, maximizing infiltration and minimizing runoff.
12. The controller shall have a water budget feature that displays monthly water volume allotments in either HCF or gallons for each of the 12 calendar months labeled as January thru December. This monthly guideline shall be calculated three ways, either directly entered, calculated by the controller using a yearly budget and dividing that out to the 12 months proportionately using built-in historical ET, or by calculating the monthly numbers using total square footage and a user selected percent of historical ET.
13. The water budget shall be available per POC controlled and programmed for either every month or every other month pre-programmed as date ranges. If the expected water use for the period exceeds the water volume budget, the user shall be notified with an alarm before the period ends so changes to the program can be made. The controller shall not terminate irrigation automatically in this process, or if selected as an option, the controller shall

proactively and automatically decrease the scheduled irrigation for each station group using the percent reduction programmed, when approaching the set water budget limit with notification of said action.

14. The controller shall have a wide range of water reports and diagnostics available directly at the controller and shall include:
  - A summary of all usage for each irrigation mainline
  - Usage for each point of connection connected to the mainline
  - Station-by-station usage
  - A complete station-by-station history which includes the date and start time of each cycle, programmed minutes, programmed inches, number of cycles, actual flow rate, expected flow rate, and any alerts or issues that occurred during irrigation.
  - Unscheduled water usage and non-controller water usage including quick coupler use and bleeding valves manually
15. The irrigation controller shall have three separate mainline break settings available for proper flow detection of catastrophic issues without interfering with standard irrigation practices and shall be programmed for 1.) 'during irrigation', 2.) 'master valve override' functions and 3) 'all other times'.
16. The controller shall have flow management capability as a standard feature whereas the controller shall learn each station's expected GPM flow rate automatically at night over several irrigations, and use the mainline GPM capacity programmed, to operate up to six (6) valves at the same time to shorten the water window.
17. The controller shall have the ability to accommodate multiple types of irrigation schedules including irrigating even days, odd days, prescribed days of the week, and interval scheduling ranging from every other day up to every four weeks.
18. Several controllers, up to twelve shall be able to share one or multiple points of connection with multiple flow sensors and master valves. This option shall allow several controllers without the use of a central control computer to share the irrigation programs and flow information for:
  - Monitoring of system flows.
  - Shortening water windows by maximizing the number of valves on without exceeding system flow capacity.
  - Turning OFF valves with excessive flow rates due to broken lateral lines.
  - Tracking water usage and comparing to a water budget.
  - Eliminating relays when sharing pumps and master valves.
19. When more than one controller is sharing one or multiple points of connection and the controllers are communicating to each other through hardwire or radio, the data shall be

distributed as changes occur making the data available from any controller on the *FLOWSENSE™* chain so that the user shall be able to view and program a controller's information from any other controller in the group.

20. The controller shall provide permanent memory stores of all controller programming and setup data, including date and time, in non-erasable memory.
21. The controller shall have the ability to create and program an unlimited number of manual programs, which allow the user to schedule stations to run for a preset time, up to 6 –times per day, for hydro-seeding, new planting and fertilization scheduling.
22. Electrical alerts, such as short circuits and no currents, shall be standard to help the user troubleshoot field wiring and solenoid problems.
23. The irrigation controller shall provide an optional light feature to be used to operate up to four light, gate or water feature relays.

#### **Pedestal Enclosure**

1. The enclosure shall be of a vandal and weather resistant nature manufactured entirely of 304-grade stainless steel, and the top shall be 12 gauge and the body 14 gauge. The main housing shall be louvered upper and lower body to allow for cross-flow ventilation. A stainless-steel backboard shall be provided for the purpose of mounting electronic and various other types of equipment. The stainless-steel backboard shall be mounted on four stainless steel bolts that will allow for easy removal of the backboard.
2. The 38-inch height with flip top shall provide easy access for programming from a standing position under normal installations.
3. The pre-assembled vandal resistant enclosure factory pre-assembled and supplied by controller manufacturer shall come complete with 24 VAC lightning and surge protection and all terminals shall be factory labeled. The pre-assembled enclosure shall come provided with an on/off switch to isolate the controller along with a GFI receptacle. Specific radio antenna(s) shall be pre-mounted and connected on the enclosure. The enclosure shall include 2-7/8", 1-1/2" thick, 6-pin cylinder, die-cast steel padlock with unique shackles design.
4. Factory pre-assembled enclosure with controller shall carry a full UL listing.
5. Controller manufacturer shall offer a doublewide, pre-assembled vandal resistant enclosure, 38-inch height with a flip top for two controller placements side by side. All necessary wiring between the two controllers in order to share central communications and/or flow and weather data shall be pre-wired by the manufacturer for easy installation.

5. The factory pre-assembled enclosures shall carry a ten (10) year limited warranty.

### **Grounding**

1. Grounding shall consist of one 5/8-inch x 8-foot copper rod installed per irrigation controller and where multiple controllers *are not* connected to the same ground rod.
2. The top of each rod shall be installed inside a 10-inch round valve box, with the rod installed as close as practical to the controller. If a pedestal enclosure is used, the ground rod may be installed through the pedestal base. Under no circumstances shall the rods be shortened.
3. A #6 AWG solid copper wire shall be used to connect from the ground lug of the transient protection board to the copper rod. The copper wire must be cad welded to the grounding rod. There shall be no kinks or sharp bends in the wire. No clamps are to be used.
4. Each wire may be wrapped around the rod and brazed in place. Braze the wire to the rod for at least one circumference of the rod.

### **2-Wire Path & Decoders**

1. The 2-Wire option shall provide support for up to one-hundred and twenty-eight (128); 2-Wire stations connected to a single controller and shall provide support for up to 6 points of connection (POC's).
2. The 2-Wire cable shall either be Paige P7354D or Regency's Hunter® Decoder cable with a maximum length of 7,000 ft.
3. A ground rod, 5/8-inch x 8-ft solid copper shall be required every 300-feet along the 2-Wire path as well as a single ground rod at the end of the cable run.
4. The station decoder shall be a 2-station decoder and shall be able to operate up to 2-solenoids using unique colored wires for each.
5. A single controller shall be able to operate up to 70, 2-station decoders and it shall be intended that all wire runs between valves and 2-Wire decoders shall be direct pulls and have no splices except at the decoder location.
6. All electrical connections must be waterproof and moisture-resistant and shall be done with 3M™ Scotchcast™ 3570G Connector Sealing Packs.

7. The 2-Wire decoders shall use #14 AWG direct burial wires to connect to remote control valves and the maximum wire runs between the decoder and the valve shall be 100-feet.
8. The POC decoder shall operate a single master valve and flow meter (model FM). A single controller shall be able to operate up to six POC decoders with a maximum of 12-POC's in a chain, controllers using *FLOWSENSE™* technology.
9. The maximum wire run between the POC decoder and flow meter shall be 20-feet while the maximum wire run between the decoder and the master valve shall be 100-feet.

### **Flow Monitoring**

1. The flow sensor used shall be supplied by the same manufacturer as the irrigation controller.
2. The flow sensor shall be wired back to the irrigation controller using two #14 AWG wires, one red, and one black in 1" PVC conduit to connect to the irrigation controller. The maximum wire run between the flow meter and the controller shall be 2000 ft. The flow meter shall send low voltage digital pulses back to the controller and therefore all electrical connections must be waterproof and be resistant to any moisture entry.
3. It is intended that all wire runs between the controller and flow meter shall be direct pulls and have no splices. If wire splices are unavoidable, they must be installed in a valve box with Spears DS-100 connectors with Spears sealant or 3M Scotchlok No. 3570 connector sealing pack used.
4. Each flow sensor shall have the following characteristics:
  - Housing to be a Sch 80 polyvinyl chloride tee or bronze tee
  - Have a pulsing output that operates at 9VDC and a pulse rate that is proportionate to the GPM
  - Fully compatible with the internal interface at each field controller
  - Powered by the controller
  - Replaceable metering insert
  - Shall feature a six-bladed design with a proprietary, non-magnetic sensing mechanism
5. The irrigation controller shall include native support for Bermad 900-M Reed Switch and Netafim Pulse Reed Switch series hydrometers. Allowable hydrometer sizes shall range from 1.5" to 10". Reed Switches that are supported include 1-pulse per 1-gallon and 1-pulse per 10-gallon switches. Currently, only one hydrometer mentioned shall be able to interface with the controller.

### **Central Control Communication Options**

1. The field controller(s) shall come with (GPRS) 4G cellular radio with a (5) year communication package.

### **PROJECT OBJECTIVES AND SCHEDULE – Backflow Prevention Devices**

Replacement of double check valve backflow prevention devices. It is the intent of the City to complete as many backflow replacements as funding will allow. The Contractor is to provide an itemized cost for each location as outlined in “Attachment 2”, and “Attachment 3”. The Contractor will be required to remove the existing backflow device and install the new R.P.Z. as per attachment “PK-155 Highlight” detail, highlighted area/components only. Do not bid for Guardshack enclosure, this bid is only for backflow replacements on existing sites. The Contractor shall return all replaced devices to the City. The Contractor is to provide all labor and materials necessary for replacing the backflow devices. The Contractor is expected to restore all disturbed/damaged landscaped areas resulting from the installation of the new R.P.Z. devices. Note: project one through ten on “Attachment 3” are marked with an \* and highlighted in green, this indicates projects with Calsense and backflow replacements required at the same site. These projects are to be completed simultaneously to ensure the best value to the City.

### **SCOPE OF WORK**

General Requirements - To comply with the regulations of the State of Utah, which prohibits unprotected cross connections between the public water supply and any unapproved source or connection, the City’s Backflow Administrator requires the installation of an approved R.P.Z. Backflow device. The backflow prevention device is to be installed by the Contractor as per the attached details and as required in this Scope of Work. The Contractor is responsible for obtaining utility marking by contacting Blue Stakes and all applicable utility providers. It will be the Contractor’s sole responsibility to directly contact any utility companies that are not members of Blue Stakes. It shall be the Contractor’s sole responsibility to protect all existing utilities so that no damage results to them during the performance of this contract. Any repairs necessary to damaged utilities shall be paid for by the Contractor. The Contractor shall be required to supply any traffic control devices to conform to current West Jordan City and MUTCD Standards. The Contractor shall be responsible for all flagging, caution signs, lights, barricades, flagmen, and all other devices necessary for public safety.

General Installation – Generally, each site will require the removal of a double check backflow device. The Contractor will be required to cut the existing device out and install elbows and a new R.P.Z. device as shown in “PK-155 Highlight” and as specified in this Scope of Work. All new R.P.Z. devices shall be supported with bricks at the elbow soil interface at the time of installation to prevent settling. All backfill materials shall be compacted to provide stability to the device and to prevent settling of the landscaped area. Sites may vary in condition and the Contractor shall use best practices and workmanship to account for the conditions. It is recommended that the Contractor visit the locations to familiarize themselves with each site.

1. Concrete Removal – The Contractor will be required to remove concrete on eleven sites as listed in the notes in “Attachment 3”. The Contractor will be required to saw cut the concrete to ensure clean margins in the project areas. The Contractor shall compact fill materials and leave the soil grade 4” below the finish grade of the existing concrete. The City will furnish the replacement of the concrete in the disturbed areas, as they deem appropriate.
2. Backflow Requirements, Inspections and Tests -Reduced Pressure Assemblies (R.P.Z.) shall be the only accepted style of backflow prevention device.
3. Each device shall be installed in compliance with Utah State Plumbing Codes and Utah Division of Public Water Supplies regulations.
4. R.P.Z. Location - R.P.Z. locations are listed in “Attachment 2” and “Attachment 3”.
5. R.P.Z. Assemblies Devices – Shall be the Wilkins 975xl.
6. R.P.Z. Requirements
  - The bottom of the R.P.Z. assembly shall be a minimum of 12 inches above the ground.
  - The body of the R.P.Z. shall be a minimum of 12 inches from any walls, ceilings, or encumbrances and shall be readily accessible for testing, repair, and maintenance.
  - R.P.Z. shall not be installed in a pit.
  - The relief valve on the R.P.Z. shall not be directly connected to any waste disposal line, such as sanitary sewer, storm drains, or vents.
  - The R.P.Z. shall be maintained as an assembly.
  - The R.P.Z. shall be installed in a horizontal position only.
  - R.P.Z. device shall be tested after installation. The R.P.Z. device shall pass the testing requirements and a test report shall be turned in to the Parks Division representative.
  - The R.P.Z. installation and testing shall comply with Utah State Plumbing codes and Utah Division of Public Water Supplies regulations.

**TIME AND SCHEDULE TO COMPLETE THE WORK**

**BID SCHEDULE**

Bidders should use the provided Excel Spreadsheets to provide pricing.

- Attachment 1-Calsense Central Irrigation Control Systems
- Attachment 2-Parks Backflow Replacement
- Attachment 3-Greenscapes/Hardscape Backflow Replacement

## **AWARD**

The award of this project shall be given to the responsive and responsible qualified bidder who provides the overall lowest pricing in Attachments 1,2 and 3. All attachments 1-3 will be added together to determine the lowest bid price.

The selected contractor will be bound by provisions of the Sample Contract attached to this IFB.

## **GENERAL TERMS AND CONDITIONS**

The COMPANY shall maintain or supervise the maintenance of all records necessary to properly account for the payments made to the COMPANY for costs authorized by the City. The COMPANY shall retain these records for at least four years after this procurement terminates, or until all audits initiated within the four years have been completed, whichever is later.

The COMPANY agrees to allow City, State, and Federal auditors access to all records to this contract, for audit and inspection, and monitoring of services.

The COMPANY represents that none of its officers or employees are officers or employees of the City of West Jordan unless disclosure has been made in accordance with City ordinances and policies. Further, the COMPANY certifies that it has not offered or given any gift or compensation prohibited by local, state, or federal law, to any officer or employee of the City of West Jordan to secure favorable treatment with respect to being awarded this contract.

The COMPANY shall be an independent COMPANY and as such shall have no authorization, express or implied to bind the City of West Jordan to any agreements, settlements, liability or understanding whatsoever, and agrees not to perform any acts as an agent for the City, except as expressly set forth herein. The COMPANY shall be responsible for the payment of all income tax and social security amounts due as a result of payments received from the City for these contract services. Persons employed by the City and acting under the direction of the City shall not be deemed employees or agents of the COMPANY.

The COMPANY agrees to indemnify, save harmless, and release the City of West Jordan, and all its officers, agents, volunteers, and employees from and against any and all loss, damages, injury, liability, suits, and proceedings arising out of the performance of this contract which are caused in whole or in part by the negligence of the COMPANY's officers, agents, volunteers, or employees, but not for claims arising from the City's sole negligence.

## **BONDING AND INSURANCE REQUIREMENTS**

**Bonding:** Performance Bonds shall be required of the awarded contractor for this project.

**Liquidated Damages:** CONTRACTOR shall pay the CITY the sum of \$1200 for each calendar day that expires after the time specified above.

**Workers' Compensation Insurance:** Statutory workers' compensation insurance (Part A). Such insurance shall also include employer's liability (Part B) insurance in a limit of no less than \$1,000,000 for each: accident, disease, employee. No owner or officer may be excluded.

**Professional Liability:** Professional errors and omissions insurance in the amount not less than \$3,000,000 each claim, \$3,000,000 aggregate; and

**General Liability Insurance:** Commercial general liability insurance on an occurrence basis arising out of claims for bodily injury (including death) and property damage. Such insurance shall provide coverage for ongoing operations and products-completed operations, blanket contractual, broad form property damage, personal and advertising injury, independent contractors and sudden and accidental pollution liability with at least \$5,000,000 per occurrence limit combined bodily injury and property damage, with at least \$7,000,000 minimum aggregate limit, provided the general policy aggregate shall apply separately to the Contractor on a per project basis. Any aggregate limit that does not apply separately to the premises shall be at least double the required per occurrence limit.

**Automobile Liability Insurance:** Automobile liability insurance for the Contractor's liability arising out of the use of owned (if any), leased (if any), non-owned and hired vehicles of the Contractor, with at least a \$5,000,000 minimum limit per accident for combined bodily injury and property damage and containing appropriate no-fault insurance provisions wherever applicable.

All insurance policies shall be issued by a financially responsible company or companies authorized to do business in the State of Utah which are carry a Moody's rating of not less than A. Consultant shall provide City with copies of certificates (on the City certificate form) for all policies reflecting the coverage, with an endorsement that they are not subject to cancellation without thirty (30) calendar days prior written notice to City.

The selected COMPANY's insurance shall at all times name the City of West Jordan, its officers, employees, and volunteers as additional insured with respect arising from any work that results from this bid/contract.

### **SUBMITTAL**

Bids will only be considered if they are submitted on the forms provided by the City.

**Submit your bids electronically through the Utah Public Procurement Place (U3P) by 2:00 p.m. current Mountain Time on July 31, 2019.** Proposals submitted electronically through the Utah Public Procurement Place may require uploading of electronic attachments. The Utah Public Procurement Place will accept a wide variety of document types as Word, Excel, and PDF attachments but not all. You **MAY NOT** submit documents that are embedded (zip files), movies, wmp and mp3 files or password protected files, etc. Such actions may cause your proposal(s) to be deemed as "Non-responsive".

When submitting an offer electronically through the Utah Public Procurement Place please allow sufficient time to complete the online forms and upload documents. The solicitation will end at the closing time listed in the offer. If you are in the middle of uploading your documents at the closing time, the system will stop the process and your offer will not be received by the system.

It is recommended the submission process be completed the day prior to the due date, with the knowledge that any changes/updates will be accepted through the due date and time.

Jaggaer customer support may be contacted at (800) 233-1112 for guidance on the Utah Public Procurement Place site.

Vendors are responsible for ensuring that their Utah Public Procurement Place registration information is current and correct. Stakeholders shall not be responsible for missing or incorrect information contained in the vendor registration in the Utah Public Procurement Place. Incorrect or missing vendor registration information may result in failure to receive notification from the Utah Public Procurement Place regarding this procurement.

Bids received after this deadline will be late and ineligible for consideration. Following the deadline, the names of those responding to the bid will be made public.

Questions arising subsequent to the issuance of this bid, that could have a significant impact on the responses to the bid, should be submitted in the bid Question and Answer section Event Number # **PW20071601** at the Utah Public Procurement Place. All such questions should be received by **July 23, 2019 @ 10:00 a.m. MST**. Answers to questions will be posted on the Utah Public Procurement Place which will then email the answer to all Vendors that downloaded the RFP.

Only written clarifications and addenda issued by the Purchasing Department will be binding for bid evaluation and award.

It is the intention of the City to issue a purchase order (or contract) to the lowest responsive and responsible bidder that meets the bid specifications, with reasonable promptness; however, the City does not guarantee to make any purchase based upon this Invitation for Bid.

### **PROTECTED INFORMATION**

(a) The Government Records Access and Management Act (GRAMA), codified as Utah Code Ann., Subsection 63G-2-101, et seq., as amended, allows for limited protection of disclosure of certain confidential records. Subject to Subsection (b), all information contained in any Bids submitted to the City shall be classified as public, but only after the City has awarded and executed a Contract with the winning Bidder.

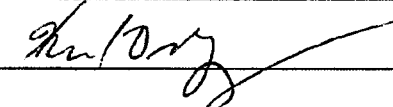
(b) Any Claim of Business Confidentiality submitted pursuant to Utah law and in accordance with GRAMA may, in the sole discretion of the City, be classified as protected information. By submitting this Bid, Bidder agrees to be bound by the City's classification of its information submitted with its Bid and releases from liability and agrees to indemnify the City for any disclosure of confidential information. To ensure the information is protected, the bidder must clearly identify in the Executive Summary and in the body of the proposal any specific information for which a bidder claims business confidentiality protection as "PROTECTED".

(c) All materials submitted become the property of the City, including originals, and will not be returned. Materials may be evaluated by anyone designated by West Jordan as part of the proposal evaluation committee.

All materials submitted become the property of West Jordan, Utah. Materials may be evaluated by anyone designated by West Jordan as part of the proposal evaluation committee. Informative Materials submitted may be returned only at West Jordan's option.

**Bidder's Authorized Representative**

Bidder's Name Kurt O Young Bidder's Title President

Signature  Date 7/31/19



NON-COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

Kurt O Young, being first duly sworn, deposes and says that he or she is President of Turf Sprinkler Company the party making the foregoing bid. The bidder, offeror, or contractor represents that it has not: 1) provided an illegal gift or payoff to a West Jordan City officer or employee or former West Jordan City officer or employee, or his or her relative or business entity; 2) retained any person to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, other than as exempted in the city conflict of interest ordinance; or 3) knowingly influenced (and hereby promises that it will not knowingly influence) a West Jordan City officer or employee or former West Jordan City officer or employee to breach any of the ethical standards set forth in the city conflict of interest ordinance, title 1, chapter 11 of the West Jordan city code.

Responsible Managing Officer Signature [Handwritten Signature]

Responsible Managing Officer Name (printed) Kurt O Young

Title President

Organization Turf Sprinkler Company

Address 2808 East Mt Jordan Road Sandy, Utah 84092

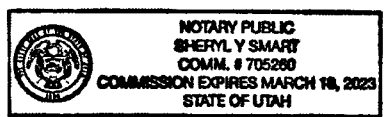
STATE OF Utah COUNTY OF Salt Lake :SS

On this 31st day of July, 2019, personally appeared before me, Kurt O Young who being by me duly sworn did say that he or she is the President of Turf Sprinkler and that the foregoing instrument was signed in behalf of said entity by proper authority, and he or she acknowledged to me that said entity executed the same.

[Handwritten Signature] NOTARY PUBLIC

My Commission Expires: 3/18/2023

Residing in Sandy, Utah county, Utah



# THE IRRIGATION ASSOCIATION

Certifies That On  
July 30, 2004

**Kenneth E. Young**

Candidate ID 004593

Successfully Completed All The Necessary Requirements  
And Should Henceforth Be Recognized As A

**CERTIFIED IRRIGATION CONTRACTOR**



A handwritten signature in black ink, appearing to read "Mark Hewitt".

Mark Hewitt, CID  
Certification Board Chair

# THE IRRIGATION ASSOCIATION

Certifies That On  
April 28, 2000

## KURT O. YOUNG

Successfully Completed All The Necessary Requirements  
And Should Henceforth Be Recognized As A

### CERTIFIED IRRIGATION CONTRACTOR



Chair, Certification Board

## BUSINESS LICENSE

### Planning and Development Services

on behalf of your Metro Township  
2001 S. State Street #N-3600  
Salt Lake City, UT 84190-4050  
Phone: 385-468-6700  
FAX: 385-468-6674

Expires Last Day of  
September 2019

**License # 2406A**

**Building Occupancy: R3**

**Zone: R143**

#### Business Address

**TURF SPRINKLER & PLUMBING CO  
2808 E MT JORDAN RD  
SANDY CITY, UT 84092-0000**

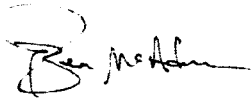
**Owner / Agent:  
EUGENE L YOUNG**

This license is only valid for the following business activity:  
**HOME OCC. SPECIAL TRADE CONTRACTOR**

**This license is non-transferable and only valid for the address shown.**

*This license is granted to the Named Company to do the specified business in Salt Lake County at the above address. This Company has complied with the provisions of the Ordinances of Salt Lake County governing this type of business and has paid the County Treasurer the necessary amount to operate such business for the period stated. It shall be unlawful for any person to engage in business within Salt Lake County without first procuring a business license.*

**- This License Must be Posted in a Conspicuous Place at the Business Location --**



**BEN McADAMS**  
Salt Lake County Mayor

**SL** SALT LAKE  
COUNTY  
PLANNING &  
DEVELOPMENT  
SERVICES

**STATE OF UTAH**  
**DEPARTMENT OF COMMERCE**  
**DIVISION OF OCCUPATIONAL & PROFESSIONAL LICENSING**  
**ACTIVE LICENSE**



**EFFECTIVE DATE:** 04/06/2016  
**EXPIRATION DATE:** 11/30/2019  
**ISSUED TO:** Turf Sprinkler Co  
2808 East Mt Jordan Road  
Sandy UT 84092

**REFERENCE NUMBER(S), CLASSIFICATION(S) & DETAIL(S)**

---

227535-5501      Contractor With LRF      DBAs: None Associated  
  
P200, P203, S330

**TURF SPRINKLER COMPANY**  
2808 East Mt. Jordan Road, Sandy, Utah 84092  
**(801) 943-5055 FAX: (801) 942-8978**  
[turfsprinkler@comcast.net](mailto:turfsprinkler@comcast.net)

**RECENT HIGH-PROFILE PROJECTS**  
**(not a complete list)**

**Mary Jackson Elementary**  
Irrigation

Salt Lake City School District  
2018  
Al Buhler 801-974-8369  
[al.buhler@slcschools.org](mailto:al.buhler@slcschools.org)  
Contract amount: \$189,750.00

**Highland High School**  
Irrigation/Landscape

Salt Lake City School District  
2018  
Al Buhler 801-974-8369  
[al.buhler@slcschools.org](mailto:al.buhler@slcschools.org)  
Contract amount: \$476,516.00

**Bennion Elementary School**  
Irrigation

Salt Lake City School District  
2017  
Al Buhler 801-974-8369  
[al.buhler@slcschools.org](mailto:al.buhler@slcschools.org)  
Contract amount: \$78,140.00

**Bates Elementary School**  
Irrigation

Weber School District, West Haven, Utah  
2017  
Jamie Henrie 801-476-7905  
Contract amount: \$32,585.00

**Calvin Smith Elementary**  
Irrigation/landscape upgrade

Granite School District, Taylorsville  
2017  
Bill Bedell 385-646-4278  
[bbedell@graniteschools.org](mailto:bbedell@graniteschools.org)  
Contract amount: \$345,595.00

**Founders Park**  
Irrigation

Syracuse City, Syracuse, Utah  
2017  
Brian Bloemen [bbloemen@syracuseut.com](mailto:bbloemen@syracuseut.com)  
Chad Smout [csmout@syracuseut.com](mailto:csmout@syracuseut.com)  
Contract amount: \$30,648.00

**Rock Creek Park**  
Irrigation

Syracuse City, Syracuse, Utah  
2016  
Chad Smout [csmout@syracuseut.com](mailto:csmout@syracuseut.com)  
Contract amount: \$100,112.00

**West Jordan City Calsense**

West Jordan City  
2015-2016  
Brian Clegg [brianc@wjordan.com](mailto:brianc@wjordan.com)  
Contract amount: \$1,382,700.00

**Wasatch Elementary**  
Irrigation

Salt Lake City School District  
2015  
Mark Ruff 801 886-8929, ext 164  
Contract amount: \$38,490.00

**Wasatch Jr High School Playfield**  
Landscape/Irrigation

Granite School District, Salt Lake City, Utah  
2015  
Bill Bedell 385-646-4278  
[bbedell@graniteschools.org](mailto:bbedell@graniteschools.org)  
Contract amount: \$88,320.00

**Murray City Cemetery**  
New irrigation system

Murray, City  
2015  
Russ Jacobsen 801-557-6672  
[russ@sprinklerdesign.net](mailto:russ@sprinklerdesign.net)  
Contract amount: \$553,836.00

**Fairmont Park**

Salt Lake City, Utah  
2015  
Ron Salisbury 801-535-6157  
[Ronald.salisbury@slcgov.com](mailto:Ronald.salisbury@slcgov.com)  
Contract amount: \$359,369.00

**Bennion Elementary**

Granite School District, Salt Lake  
2015  
Steve Erickson 801-918-0366  
[serickson@sge-associates.com](mailto:serickson@sge-associates.com)  
Contract amount: \$79,950.00

**Skaggs Ranch**

New irrigation system  
Polo Field, Race Track &  
Viewing Area: New construction

Declo, Idaho  
2014  
Mike Sowby, Sinc Constructors  
(801) 898-3515  
Contract Amount: \$133,000.00 (labor only)

**Salt Lake City Controllers**

43- IQ Rain Bird Controllers

Salt Lake City, Utah  
2013  
Gary Adler, Landscape Enterprises  
(719) 499-2748  
Contract Amount: \$25,000.00 (labor only)

**Weber State University Dee Events  
Center DFCM #12164810**

New irrigation system for entry to  
Dee Events Center

Ogden, Utah  
2013  
Greg Graves (801) 547-0393  
Contract Amount: \$226,190.00

**South Jordan City Backflow Testing**

South Jordan, Utah 2008-2013  
Contact: Daniel Allen, South Jordan City  
(801) 253-5230  
10966 South Redwood Road  
South Jordan, Utah 84095  
Contract amount: \$84,500.00 (2013 only)

**University of Utah Dee Glen Smith  
Practice Football Field**

New irrigation system

Salt Lake City, Utah  
2012

Sue Pope (801) 581-5358  
Contract amount: \$495,000.00

**Cottonwood Country Club**

New irrigation system in  
existing turf. 9 holes

Salt Lake City, Utah  
2009

Darrell Wilson 801-277-2691  
Contract amount: \$386,320.00

**University of Utah**

Central control, 110 Netafim  
Hydrometers &  
152 Maxi-Com Controllers,  
for entire campus

Salt Lake City, Utah  
2008-2009

Sue Pope (801) 581-5358  
Contract amount: \$1,325,740.00

**Flat Iron Park, Phase I & II**

New irrigation system in  
existing turf, approx. 30 acres

Sandy, Utah

Completed 2007-2008  
Dan Medina (801) 568-2911  
Chris Kirk (801) 201-2204  
Contract amount: \$431,668.00

**Weber State Bell Tower**

New irrigation system in  
existing turf.

Ogden, Utah

Completed 2008  
Ron Tatton, Erickson Landscape  
(landscape general contractor)  
(801) 263-2462  
Dave Lang, Jacobsen Construction  
(general contractor) (801) 584-9961  
Contract amount: \$240,000.00

**Kendrick Golf Course**

New irrigation system,  
18 holes in existing turf

Sheridan, Wyoming  
Completed 2006

Brad Lopez (307) 752-9673  
Contract amount: \$974,474.00

**West Jordan Main Park**

West Jordan, Utah  
Completed 2005  
Jim Riding (801) 569-5070  
Contract amount: \$566,434.00

**TURF SPRINKLER COMPANY**  
2808 East Mt. Jordan Road, Sandy, Utah 84092  
(801) 943-5055 FAX: (801) 942-8978  
turfsprinkler@comcast.net

**Item #2: Scope of Work**

Install: Point of connections  
Wiring  
Calsense Controllers  
Backflow preventors  
All other items as required by scope of work in specs & details provided

**Item #3: Proposed Schedule**

Begin August 15<sup>th</sup>, 2019  
End April 15<sup>th</sup>, 2020

**Item #4: Schedule spreadsheet (see attached)**

**Item #5: Project team**

Superintendent:	Kurt Young	Same as Phase I, 2015-2016
Foreman:	Francisco Bustos	Same as Phase I, 2015-2016
Assist. Foreman:	Ernesto Bustos	Same as Phase I, 2015-2016
Laborer:	Alejandro Rivera	Same as Phase I, 2015-2016
Two additional laborers		
Three service technicians: after fall shut downs & and before spring turn ons		

**Item #6: Key Personnel availability**

Kurt Young:	50% of the time
Francisco Bustos:	100% of the time
Ernesto Bustos:	100% of the time
Alejandro Rivera:	100% of the time
Two additional laborers	100% of the time

**Item #7: References**

**West Jordan City Calsense**

West Jordan City  
2015-2016  
Brian Clegg [brianc@wjordan.com](mailto:brianc@wjordan.com)  
Contract amount: \$1,382,700.00

**University of Utah**

Central control, 110 Netafim  
Hydrometers &  
152 Maxi-Com Controllers,  
for entire campus

Salt Lake City, Utah  
2008-2009  
Sue Pope (801) 581-5358  
Contract amount: \$1,325,740.00

**Mary Jackson Elementary  
Irrigation**

Salt Lake City School District  
2018  
Al Buhler 801-974-8369  
[al.buhler@slcschools.org](mailto:al.buhler@slcschools.org)  
Contract amount: \$189,750.00

**Highland High School  
Irrigation/Landscape**

Salt Lake City School District  
2018  
Al Buhler 801-974-8369  
[al.buhler@slcschools.org](mailto:al.buhler@slcschools.org)  
Contract amount: \$476,516.00

## Attachment #1 Schedule

Project #	Crew (foreman, assist foreman, 3 laborers)	Man hours	# of days
1	Crew	195	3.9
2	Crew	255	5.1
3	Crew	110	2.2
4	Crew	165	3.3
5	Crew	186	3.72
6	Crew	215	4.3
7	Crew	122.5	2.45
8	Crew	309	6.18
9	Crew	277.5	5.55
10	Crew	120	2.4
11	Crew	170	3.4
12	Crew	130	2.6
13	Crew	120	2.4
14	Crew	155	3.1
15	Crew	172.5	3.45
16	Crew	120	2.4
17	Crew	120	2.4
18	Crew	120	2.4
	<b>Total</b>	<b>3,062.5 hours</b>	<b>61.25 days</b>

## Attachment #2 Schedule

Project #	Crew (foreman, assist foreman, 1 laborer)	Man hours	# of days
1	Crew	30	1
2	Crew	30	1
3	Crew	15	0.5
4	Crew	15	0.5
5	Crew	30	1
6	Crew	30	1
7	Crew	30	1
8	Crew	30	1
9	Crew	30	1
10	Crew	30	1
11	Crew	30	1
12	Crew	30	1
13	Crew	15	0.5
14	Crew	15	0.5
15	Crew	15	0.5
16	Crew	15	0.5
17	Crew	15	0.5
	<b>Total</b>	<b>405 hours</b>	<b>13.5 days</b>

Project #	Crew (foreman, assist foreman, 1 laborer)	Man hours	# of days
1	Crew	15	0.5
2	Crew	15	0.5
3	Crew	15	0.5
4	Crew	30	1
5	Crew	15	0.5
6	Crew	15	0.5
7	Crew	30	1
8	Crew	30	1
9	Crew	15	0.5
10	Crew	15	0.5
11	Crew	15	0.5
12	Crew	15	0.5
13	Crew	30	1
14	Crew	30	1
15	Crew	15	0.5
16	Crew	15	0.5
17	Crew	15	0.5
18	Crew	15	0.5
19	Crew	15	0.5
20	Crew	15	0.5
21	Crew	15	0.5
22	Crew	15	0.5
23	Crew	15	0.5
24	Crew	15	0.5
25	Crew	15	0.5
26	Crew	30	1
27	Crew	30	1
28	Crew	30	1
29	Crew	30	1
30	Crew	15	0.5
31	Crew	15	0.5
32	Crew	30	1
33	Crew	30	1
34	Crew	30	1
35	Crew	15	0.5
36	Crew	15	0.5
37	Crew	15	0.5
38	Crew	15	0.5
39	Crew	30	1
40	Crew	15	0.5
41	Crew	15	0.5
42	Crew	30	1
43	Crew	30	1
44	Crew	30	1
45	Crew	30	1

46	Crew	30	1
47	Crew	30	1
48	Crew	15	0.5
49	Crew	30	1
50	Crew	30	1
51	Crew	30	1
52	Crew	30	1
53	Crew	30	1
54	Crew	30	1
55	Crew	30	1
56	Crew	30	1
57	Crew	30	1
58	Crew	30	1
59	Crew	30	1
60	Crew	30	1
61	Crew	30	1
62	Crew	30	1
63	Crew	30	1
64	Crew	15	
65	Crew	30	1
66	Crew	30	1
67	Crew	30	1
68	Crew	30	1
69	Crew	15	0.5
70	Crew	15	0.5
71	Crew	15	0.5
72	Crew	15	0.5
73	Crew	15	0.5
74	Crew	15	0.5
75	Crew	15	0.5
<b>Total</b>		<b>1695 hours</b>	<b>56.5 days</b>
<b>Attachments 1, 2, 3 Totals</b>		<b>5162.5 hours</b>	<b>131.25 days</b>

**ATTACHMENT C: INSURANCE CERTIFICATE**



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
07/31/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Bennion-Taylor Insurance 461 W Murray Blvd  Murray UT 84123		<b>CONTACT NAME:</b> Mike Miller <b>PHONE (A/C, No, Ext):</b> (801) 263-9883 <b>E-MAIL ADDRESS:</b> mmiller@benniontaylor.com <b>FAX (A/C, No):</b> (801) 263-9878															
<b>INSURED</b> Turf Sprinkler and Plumbing 2808 Mount Jordan Road  Sandy UT 84092		<table border="1"> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A: EMC Insurance</td> <td></td> </tr> <tr> <td>INSURER B: UBIC Insurance Company</td> <td></td> </tr> <tr> <td>INSURER C: Hanover Insurance</td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: EMC Insurance		INSURER B: UBIC Insurance Company		INSURER C: Hanover Insurance		INSURER D:		INSURER E:		INSURER F:	
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INSURER D:																	
INSURER E:																	
INSURER F:																	

**COVERAGES**

CERTIFICATE NUMBER: CL1892506998

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			A787166-01	10/01/2017	10/01/2019	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Experience Mod Factor 1 \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			A787166-01	10/01/2017	10/01/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ PIP-Basic \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			A787166-01	10/01/2017	10/01/2019	EACH OCCURRENCE \$ 3,000,000 AGGREGATE \$ \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N N/A	WC0020052018a	10/01/2018	10/01/2019	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 100,000 E.L. DISEASE - EA EMPLOYEE \$ 100,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
C	Buildrs Risk/ Installation Floater			IH847131308	10/01/2018	10/01/2019	Per Occurrence \$200,000 Special Form \$1,000 Ded.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

West Jordan Calsense Project Bid

**CERTIFICATE HOLDER**

West Jordan

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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