

REQUEST FOR COUNCIL ACTION

SUBJECT: Amendment No. 1 with G. Brown Design, Inc. for the Calsense Irrigation Central Control Project

SUMMARY: Approve Amendment No. 1 to the Agreement with G. Brown Design, Inc. for additional design services for the Calsense Irrigation Central Control project, in an amount not-to-exceed \$7,825.00.

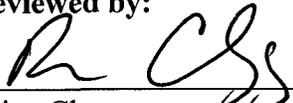
FISCAL IMPACT: Funding for this project would be from parks Capital account.

STAFF RECOMMENDATION:
Staff recommends approval of Amendment No. 1 to the Agreement with G. Brown Design, Inc. for additional design services for the Calsense Irrigation Central Control project, in an amount not-to-exceed \$7,825.00.

MOTION RECOMMENDED:
"I move to adopt Resolution No. 16-156 authorizing the Mayor to execute Amendment No. 1 to the Agreement with G. Brown Design, Inc. for additional design services for the Calsense Irrigation Central Control project, in an amount not-to-exceed \$7,825.00".

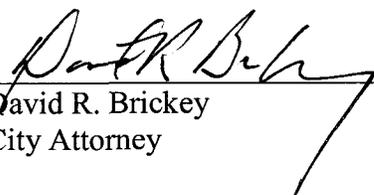
Roll Call vote required.

Reviewed by:



Brian Clegg
Parks Director

Reviewed as to Legal Sufficiency:



David R. Brickey
City Attorney

Recommended by:



Mark R. Paesh
City Manager

BACKGROUND DISCUSSION:

This amendment is for additional services necessary for the completion of the West Jordan Calsense Irrigation Central Control Project. City staff knew there would be a number of unknown elements in this project that could not be determined until construction work began. As a result, the overall construction duration has gone longer than anticipated and the initial contract amount has been exhausted. The City still requires additional assistance from the consultant for a number of key technical issues that have plagued some of the city irrigation systems for quite some time that still need to be worked through to insure the City has a fully functioning Calsense Central Control System upon project completion. Work is expected to continue for at least another month

Attachments:

G. Brown Design, Inc. letter
Amendment
Resolution

THE CITY OF WEST JORDAN, UTAH
A Municipal Corporation

RESOLUTION NO. 16-156

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE AMENDMENT NO. 1 TO THE
PROFESSIONAL SERVICES AGREEMENT BETWEEN
THE CITY AND G. BROWN DESIGN INC. FOR THE
WEST JORDAN CALSENSE IRRIGATION CENTRAL CONTROL PROJECT

WHEREAS, the City Council of the City of West Jordan has reviewed Amendment No. 1 to the Professional Services Agreement between the City of West Jordan and G. Brown Design Inc. (a copy of which is attached) to provide additional design services for the West Jordan Calsense Irrigation Central Control Project, in an amount not to exceed \$7,825.00; and

WHEREAS, the City Council of the City of West Jordan desires to approve Amendment No. 1 to the Professional Services Agreement with G. Brown Design Inc. to provide additional design services for the West Jordan Calsense Irrigation Central Control Project, in an amount not to exceed \$7,825.00.

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

Section 1. After approval as to legal form, the Mayor is hereby authorized and directed to approve Amendment No. 1 to the Professional Services Agreement with G. Brown Design Inc. to provide additional design services for the West Jordan Calsense Irrigation Central Control Project, in an amount not to exceed \$7,825.00.

Section 2. This Resolution shall take effect immediately upon passage.

Adopted by the City Council of West Jordan, Utah this 26th day of October 2016.

Kim V. Rolfe
Mayor

ATTEST:

MELANIE S. BRIGGS
City Recorder

Voting by the City Council	"AYE"	"NAY"
Council Member Dirk Burton	_____	_____
Council Member Jeff Haaga	_____	_____
Council Member Zach Jacob	_____	_____
Council Member Chris McConnehey	_____	_____
Council Member Chad Nichols	_____	_____
Council Member Sophie Rice	_____	_____
Mayor Kim V. Rolfe	_____	_____

AMENDMENT NO. 1

**City of West Jordan
Calsense Irrigation Central Control Project**

THIS AMENDMENT, made and entered into this 26th day of October 2016 by and between the CITY OF WEST JORDAN, a municipal corporation (hereinafter referred to as "City"), and G. Brown Design Inc. (hereinafter referred to as "Consultant").

The City and Consultant agree as to amend the following sections of the original Professional Services Agreement to provide additional design services for the Calsense Irrigation Central Control project. Except as expressly amended hereby, the Professional Services Agreement shall continue in full force and affect in accordance with the provisions thereof.

2. **DESCRIPTION OF SERVICES**

The services to be performed by Consultant are as follows:

Provide additional engineering services for the Calsense Irrigation Central Control project as described in the attached Consultant's proposal dated October 6, 2016.

3. **COMPENSATION AND PAYMENT**

The total compensation payable to Consultant by City for the services described in Paragraph 2 shall not exceed the sum of \$7,825.00 for Amendment No. 1 bringing the total not-to-exceed fee to \$119,415.00 for services under this contract.

In concurrence and witness whereof, this Agreement has been executed by the parties effective on the date and year first above written.

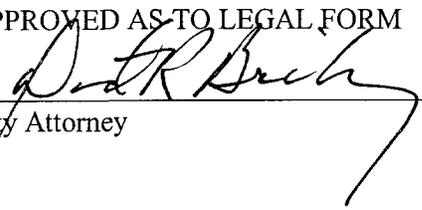
CITY OF WEST JORDAN

Kim V. Rolfe, Mayor

APPROVED AS TO ADMINISTRATION:

Melanie Briggs, City Recorder

APPROVED AS TO LEGAL FORM



City Attorney

CONSULTANT

Matthew Winward - President
G. Brown Design Inc.

STATE OF UTAH)

:SS

COUNTY OF SLC)

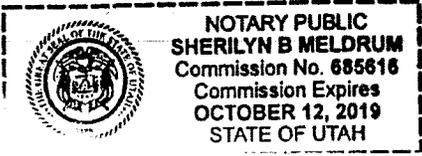
On this 13 day of OCT, 2016 personally appeared before me, St Matthew
K. Winward, who being by me duly sworn did say that he is the
of President, a S-Corp.

Corporation, and that the foregoing instrument was signed in behalf of said corporation by authority of its
Board of Directors, and he acknowledged to me that said corporation executed the same.

Sherilyn B Meldrum
NOTARY PUBLIC

My Commission Expires: 10-19-16

Residing in SLC County, Slake



October 06, 2016

G.B:D

Brian Clegg
Parks & Recreation Director
West Jordan City

Re: West Jordan Calsense Irrigation Central Control – Additional Services Necessary for Project Completion

Dear Brian:

This additional services fee letter outlines services necessary for the completion of the West Jordan Calsense Irrigation Central Control Project that we have been working on with you since November of 2014. As with any renovation project, there are always a number of unknown elements that cannot be determined until construction work commences. While this project has gone better than we all might have expected in this regard, there have been a number of these instances arise. As a result, the overall construction duration has gone longer than we anticipated and our assistance has been required in resolving a number of key technical issues that have plagued some the city irrigation systems for quite some time (i.e. control wire continuity issues at Sienna Vista – with the elimination of many battery powered controllers, flow sensor/hydrometer wiring issues at City Hall, Hydrometer issues at Constitution, just to name a few). As such, our fees from our base contract are all but exhausted but completion of the Base Bid & Alternate 1 Contracted Work of the contractor is expected to continue for at least another month. In addition, there are a handful of key technical issues that still need to be worked through to insure the City has a fully functioning Calsense Central Control System upon project completion.

It is important to note that our initial scope of work included:

- attending and facilitating 20 construction meetings
- assumed assisting with construction administration through 2 construction seasons with shut down throughout the winter months

We have conducted 31 meetings to date, with construction continuing through much of the winter between the 2 construction seasons, with only a short break during the coldest and snowiest part of the year. We have also assisted in identifying, troubleshooting, and recommending design and technical solutions to solve issues of unknown or unforeseen field conditions (i.e. bad existing control wiring, communication issues with existing flow sensors & hydrometers, communication issues between new controllers/extending antennas, etc.). As mentioned above, it was anticipated that there would be a number of issues arise throughout construction that could not be foreseen or known until the construction work was in process. Due to this, it was also impossible for us to fully anticipate all that would be required of our consultant team to help assist you with these issues throughout construction. While the project has gone very well, there have been a number of these instances arise resulting in more meetings, administration, and technical assistance and a longer construction duration.

We are estimating 4 additional meetings will be needed, along with additional coordination, research and troubleshooting to complete the project and assist in resolving and navigating through a few key remaining technical issues including:

- Working with Calsense so all controllers are able operate based on Evapotranspiration (ET) data
- Working to get all controllers communicating properly with one of the six rain can sensors throughout the city
- Working to resolve issues with the existing flow sensor/hydrometer that is not working properly at Ron Wood Park Ballfield. It is critical that the controllers at this location have functional flow sensing capability.
- Working to retrofit existing hydrometers at Constitution Park, Plum Creek Park, Lexington Park, & Wildflower Park so these parks have flow sensing capabilities with the Central Control Systems.
- Addition of Antennas at Stokesly and 8200 S Streetscape #1 for communication between controllers.

We are currently in the middle of working through many of these issues with City Staff and the Contractor. **The additional fee outlined below is necessary to insure these issues are not left unresolved, and thus resulting in a system that is not fully functional.**

G. BROWN DESIGN INC
SITE AND LANDSCAPE ARCHITECTS

610 East South Temple, Suite 50
Salt Lake City, Utah 84102
p. 801.575.6065 f. 801.575.6166

Some important points about this project – The project has included replacement of over 100 controllers at sites all throughout the City. We believe the extensive and detailed efforts of our team in meeting with City Staff to review and verify conditions of the existing irrigation systems has resulted in less field changes and fewer unforeseen issues. As you probably recall, many discrepancies from the as-built data were identified during the design phase and addressed prior to construction.

Some added value services not outlined in our scope of services but that we have been able to include without additional cost include:

- Providing assistance and guidance on setting Central Control System programming parameters (we have been able to answer questions in the normal course of our regular meetings and communications)
- Collecting GPS Coordinates and photographs of controllers and points of connection that can be provided to City GIS for the majority of the controller sites (we were able to collect this information while on site for site inspections)

Assumptions & Exceptions

1. Our proposed fee assumes construction closeout will take place by approximately November 15th 2016
2. Requests for assistance with additional troubleshooting or technical issues that have not yet been identified will be an additional service and would require additional fees
3. Additional assistance with training or programming of the Calsense System is not required.
4. City will coordinate directly with Calsense and direct and oversee all necessary work to upgrade communication hubs to be compatible with new Calsense 3000 hardware and firmware.
5. City will provide construction administration and technical direction necessary for the addition of any additional controllers and sites to the system. Any requests for assistance or technical help will be an additional service and would require additional fees.
6. Due to the critical nature of keeping irrigation systems operational and working throughout the growing season the Consultant Team (G Brown Design/Jacobsen Irrigation Design) performed these services in good faith while we worked with the City to identify and estimate the needs of what would be required of us to complete the project.

Total Proposed Additional Fee: \$7,825

We believe these additional fees are appropriate, due to the unforeseen conditions of unknown elements that were impossible to fully anticipate or determine prior to project construction. Please contact us if there are any items in this agreement that you believe require clarification. Please let me know if you have any other questions or comments related to the additional scope or fees.

Thank you,



Mathew K. Winward, LLA, ASLA
Managing Principal