

Council Meeting of October 26, 2016

Agenda Item No. 6d

REQUEST FOR COUNCIL ACTION

SUBJECT: 7000 South Utility Design – Amendment No. 9

SUMMARY: Approval of Amendment No. 8 to the Professional Service Agreement with Stanley Consultants, Inc. for the 7000 S Phase 2 Utility Design project in an amount not to exceed \$64,979.00.

FISCAL AND/OR

ASSET IMPACT: Funding will be from Storm Capital Funds.

STAFF RECOMMENDATION:

Staff recommends approving Amendment No. 9 to the Professional Service Agreement with Stanley Consultants, Inc. for the 7000 S Phase 2 Utility Design project in an amount not to exceed \$64,979.00.

MOTION RECOMMENDED:

"I move to adopt Resolution No. 16-157 authorizing the Mayor to execute Amendment No. 9 to the Professional Service Agreement with Stanley Consultants, Inc. for the 7000 S Phase 2 Utility Design project in an amount not to exceed \$64,979.00.

Roll Call vote required

Prepared by:


David Murphy
Engineering Manager for CIP

Recommended by:


Wendell T. Rigby
Public Works Director

Reviewed as to Legal Sufficiency:


David R. Brickey
City Attorney

Recommended by:


Mark R. Palesh
City Manager

BACKGROUND DISCUSSION:

For several years now, staff has been working on solutions to the flooding problems occurring around the 3200 West and 7000 South area, including the detention pond located at Constitution Park. The current 2015 Storm Drain Master Plan indicates that additional storage is required in the existing pond, and that lowering the existing pond by approximately 2 feet will add the needed capacity.

Stanley Consultants has provided a scope and fee to provide the required surveying, engineering services, landscape restoration plan, and miscellaneous support items required to place this portion of the project out to bid in a timely manner. This project element is the last item required for the 7000 South Utility project, and must be in sequence with the existing design. For this reason, Stanley is the preferred design team for the project. Staff recommends approval of amendment number 9.

Attachments:

Stanley Consultants letter and documentation
Resolution
Amendment No. 9

THE CITY OF WEST JORDAN, UTAH
A Municipal Corporation

RESOLUTION NO. 16-157

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE AMENDMENT NO. 9 TO THE
PROFESSIONAL SERVICES AGREEMENT BETWEEN
THE CITY AND STANLEY CONSULTANTS, INC. FOR THE
7000 SOUTH UTILITY DESIGN

WHEREAS, the City Council of the City of West Jordan has reviewed Amendment No. 9 to the Professional Services Agreement between the City of West Jordan and Stanley Consultants, Inc. (a copy of which is attached) to provide additional design services for the 7000 South Utility Design, in an amount not to exceed \$64,979.00; and

WHEREAS, the City Council of the City of West Jordan desires to approve Amendment No. 9 to the Professional Services Agreement with Stanley Consultants, Inc. for additional design services for the 7000 South Utility Design, in an amount not to exceed \$64,979.00.

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. 9 to the Professional Services Agreement with Stanley Consultants, Inc. to provide additional design services for the 7000 South Utility Design, in an amount not to exceed \$64,979.00.

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. 9

**City of West Jordan
7000 South Utility Design
from
The Jordan River to Constitution Park**

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"), Stanley Consultants, 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 7000 South Utility Design 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 engineering services for Phase 2 of the 7000 South project as described in the attached Consultant's proposal dated September 20, 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 **\$64,979.00** for Amendment No. 9 bringing the total not-to exceed fee to \$1,303,171.00 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.

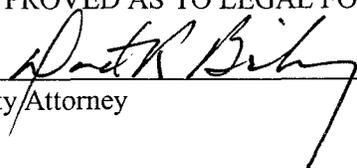
CITY OF WEST JORDAN

Kim V. Rolfe, Mayor

APPROVED AS TO ADMINISTRATION:

Melanie Briggs, City Recorder

APPROVED AS TO LEGAL FORM



City Attorney

CONSULTANT

Mark I Freeman

Stanley Consultants, Inc.

STATE OF Utah

COUNTY OF Salt Lake :SS

On this 17th day of October, 2016 personally appeared before me, _____
Mark I Freeman, who being by me duly sworn did say that he is the Vice President
of Stanley Consultants, a C

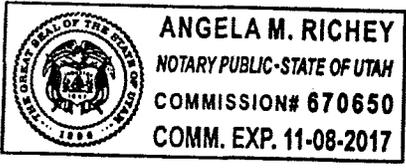
Corporation, and that the foregoing instrument was signed in behalf of said corporation by authority of its
Board of Directors, and he acknowledged to me that said corporation executed the same.

Angela M. Richey

NOTARY PUBLIC

My Commission Expires: 11-08-2017

Residing in Salt Lake county, Utah



September 20, 2016

Mr. Dave Murphy, PE
CIP Manager - City of West Jordan
8000 South Redwood Road
West Jordan, UT 84088

Subject: Proposed Professional Services
Increase Stormwater Detention Capacity of Constitution Park

Dear Dave:

Upon your request, we propose the following professional services to complete the engineering analysis and design modifications to Constitution Park to increase stormwater detention inside the park as recommended by the 2015 City of West Jordan Stormwater Master Plan.

Proposed Scope of Services

1. Project Management: Stanley Consultants' Project Manager will provide overall direction and control for the project. The tasks within this activity will include managing the project tasks, schedule, and budget; bi-weekly project team meetings, prepare and submit monthly invoices, administration of project cost and schedule control, and maintaining project records.
2. Project Kickoff Meeting: Our key team members will meet with City personnel to establish roles and responsibilities, review the scope, schedule, and deliverables, as well as project goals. We will address known issues and concerns at the commencement phase; discuss the communication plan; identify data requirements; and establish a process for responding to new and undefined challenges and issues that arise during the project.
3. Project Work Plan: Our work plan will outline the role of each team member and document the progress through each phase and task. We will prepare the work plan and use it as a tool so that the team is united and remains connected to the scope and budget throughout the entire project.
4. Topographic Survey: Stanley Consultants will complete topographic mapping of Constitution Park within the project limits (See Exhibit A). Topographic mapping will locate surface features and will include invert data for stormwater inlets, junction boxes and manholes; irrigation structures, water manholes, and other surface features.
5. Utility Investigation: Stanley Consultants will investigate for other utilities that may exist within Constitution Park that may be in conflict with the proposed improvements to the park. Stanley Consultants will contact the third-party utilities and obtain as accurate data as possible in locating the pertinent utilities. The collected data will then be imported into the project's base mapping record.
6. Client Review Meetings: At a time designated by the City, key members of the design team will meet with City staff to review and demonstrate progress, seek input, review completed work, and address questions and issues that have surfaced since the previous meeting. This scope of services and associated fee assumes two client review meetings will be held at the City office.

7. Finalize Base Mapping: The base map will be prepared using AutoCAD Civil 3D using Stanley Consultants CADD standards, and will be an extension of the 7000 S. base mapping. The base map will include a surface model and data base of all utilities that have been located. The utility data base will include vertical and horizontal alignment information of each utility along with type, size, and material. The base map will be suitable for the development of plan, profile and cross-section construction drawings. The base map and utility data base will have the ability to be dynamically linked so that utilities will appear in the profiles. The base map will also include aerial imagery of the project area.
8. Create Regrading Plan: Utilizing the base map, Stanley Consultants will increase stormwater detention through removal of existing material and lowering the bottom of Constitution Park by approximately 2 feet. The target will be the detention volume specified in the City's 2015 Stormwater Master Plan. From the excavation analysis, we will prepare grading plans and a cut/fill report that will be used to excavate and reconstruct Constitution Park.
9. Hydrologic Model Update and Analysis: Stanley Consultants will utilize the existing stormwater hydrologic model to determine the actual impact of the proposed additional detention storage to stormwater management in the 7000 S. corridor. The analysis will include a routing of the 10 yr-1 hr, 10 yr-24 hr, and the 100 yr-6 hr events. From the analysis, we can verify the predicted benefits to the City's stormwater management program by increasing detention in Constitution Park. We will provide the City with a technical memorandum summarizing our conclusions and a digital record of the amended hydrologic model.
10. Modifications to the Park Drainage System: Stanley Consultants will engineer and reroute the existing park drainage system that accommodates the additional planned stormwater detention and conveys runoff across the bottom of the park without creating stagnant water conditions or saturated soils that impact the use of the Park.
11. Reroute Stormwater Piping for Inflow and Bypass Appurtenances: Stanley Consultants will ensure that existing stormwater inflow piping and bypasses are maintained and functional as intended for management of inflow and low flow bypass stormwater, similar as to the existing functionality.
12. Site Restoration Plan: Stanley Consultants will prepare a site restoration plan that is consistent with City standards and practices. The Site Restoration plan shall include: irrigation restoration showing locations of irrigation control boxes and irrigation mains with connection points and include notes outlining the performance requirements of the irrigation system. The Contractor shall be required to provide an irrigation submittal detailing the irrigation piping and spray head layout; landscaping restoration showing the limits of sod replacement with typical section and notes detailing sod requirements; and ball field restoration showing the limits of the two ball fields with notes referencing the ball field layout requirements.
13. Prepare 60% Plan View and Cross-Section Drawings of Modified Constitution Park: Stanley Consultants will prepare 60% design documents of the proposed grading modifications, amendments and restoration of Constitution Park. These documents will include plan view and cross-section drawings of Constitution Park. A 60% design review meeting will be held at the City's office to review the drawings and receive review comments from the City.
14. Prepare 95% Drawings, Sections and Details: Stanley Consultants will prepare 95% design documents of the proposed redevelopment of Constitution Park. The 95% design will incorporate review comments received from the 60% design submittal. 95% design documents will include drawings, technical specifications and an engineer's estimate of probable

construction costs. A 95% design review meeting will be held at the City's office to review the drawings and receive review comments from the City.

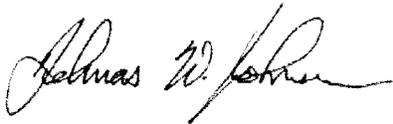
15. Prepare Technical Specifications, Bid Schedule, Measurement and Payment, etc.: Stanley Consultants will prepare final design documents suitable for bidding of the proposed Constitution Park improvements. Bidding documents will include drawings, technical specifications, bid schedule and measurement and payment sections.
16. Compile Bidding Documents: Stanley Consultants will compile final design/bidding documents suitable for bidding of the proposed Constitution Park improvements, and submit to the City and approved Contractor's on the bidder's list.
17. Bidding Services: Stanley Consultants will assist the City through the bidding process by producing bidding documents, conducting a pre-bid meeting with contractors, answering questions and creating a bid tabulation from the bid opening. Stanley Consultants will review all bids for completeness and recommend an award to the contractor with the lowest, responsive bid.

Proposed Professional Services Fee for Constitution Park Modifications to Increase Stormwater Detention - We respectfully request from the City a time and materials fee of **\$64,979** as appropriate compensation to Stanley Consultants to complete the Scope of Services outlined herein.

Proposed Schedule – We can complete the Scope of Services outlined in this proposal within **90 days** after approval and authorization to proceed.

Thank you for your consideration.

Respectfully,
Stanley Consultants, Inc.



Delmas W. Johnson, PE
Water Resource Dept. Mgr/Sr. Project Mgr

**Client: City of West Jordan
Constitution Park Redevelop for Stormwater Detention**

Activity - Task Description	PRINCIPAL	PROJECT	PROJECT	JUNIOR	JUNIOR	SURVEY	LANDSCAPE	CAD	TOTAL	LOADED
	Delmas Johnson \$163	MANAGER Greg Thomas \$145	ENGINEER Jeff Upright \$128	ENGINEER Amanda Varland \$80	ENGINEER Connor Dunkel \$82	CREW Craig Yates \$170	ARCHITECT Mark Kopatz \$158	DESIGNER Isaac Lopez \$55	HOURS	LABOR TOTALS Labor
Preliminary and Final Design										
Project Management		24							24	\$3,480.00
Project Kickoff Meeting	2	2	2	2					8	\$1,032.00
Prepare Project Work Plan		1							1	\$145.00
Client Review Meetings	4	4	4	6		24			18	\$2,224.00
Survey (Topographic and utility mapping)		1		8					45	\$5,645.00
Utility Investigation		1			6				7	\$637.00
Finalize Base Mapping	1	2		16					19	\$1,733.00
Hydrologic Model Update and analysis of increase in detention in Constitution Park	8	4		40					52	\$5,084.00
Regrading Plan for Stormwater Detention	2	8							68	\$7,776.00
Modify drainage system under Park	4	12		20					44	\$5,472.00
Reroute stormwater piping - inflow and bypass appurtenances	2	4		24					46	\$4,874.00
Prepare irrigation plan, landscaping plan and ball field restoration	2	8		20			8		38	\$4,350.00
Prepare 60% Plan and Cross-Section Drawings of Constitution Park	4	8		12					40	\$4,820.00
Complete 95% Drawings with Sections and Details	4	8	12	40	16				80	\$7,860.00
Prepare Engineer's Estimate of Probable Construction Cost	1	1			4				6	\$636.00
Prepare technical specifications, bid schedule, M&P, etc.	1	16		30			2		49	\$5,199.00
Compile bidding documents		2		2					24	\$1,750.00
Bidding Services	4	8							12	\$1,812.00
Total Hours	39	114	110	200	26	24	10	58	581	\$64,528.00
Total Loaded Labor	\$6,357.00	\$16,530.00	\$14,080.00	\$16,000.00	\$2,132.00	\$4,080.00	\$1,580.00	\$3,770.00		
DIRECT CHARGES										
										\$0.00
										\$0.00
										\$300.00
										\$150.00
										\$0.00
										\$450.00
										\$64,979.00

Assumptions:
 Geotechnical or subsurface investigations are not included in this scope of
 The project does not require easement research or any related document
 Stormwater modeling and analysis included for verification of impact of increased detention capacity.
 Irrigation, Landscaping and ball field restoration will be included in a site restoration
 plan that references City standards and appropriate landscaping and recreation
 guidelines and specifications for such facilities.



CONSTITUTION PARK MODIFICATIONS
EXHIBIT A
LIMITS OF TOPOGRAPHIC MAPPING