

REQUEST FOR COUNCIL ACTION

SUBJECT: Storm Drain Master Plan Agreement Amendment

SUMMARY: Approve Amendment No. 1 to the Professional Services Agreement with Hansen, Allen and Luce, Inc. for additional surveying of newly constructed storm drain pipes and manholes, in an amount not to exceed \$22,000.

FISCAL IMPACT: Funds are available in the Capital Storm Account.

STAFF RECOMMENDATION:

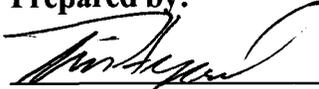
Staff recommends approval of Amendment No. 1 to the Professional Services Agreement with Hansen, Allen and Luce, Inc. for additional surveying of newly constructed storm drain pipes and manholes, in an amount not to exceed \$22,000.

MOTION RECOMMENDED:

"I move to adopt Resolution No. 14-190 authorizing the Mayor to execute Amendment No. 1 to the Professional Services Agreement with Hansen, Allen and Luce, Inc. for additional surveying of newly constructed storm drain pipes and manholes, in an amount not to exceed \$22,000.

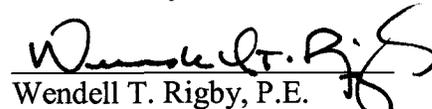
Roll Call vote required

Prepared by:



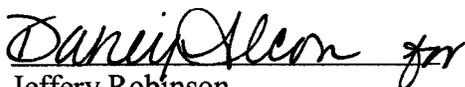
Tim Heyrend, P.E.
Utilities Engineer

Reviewed by:



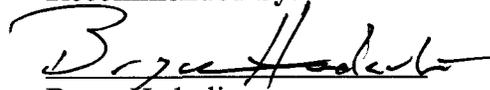
Wendell T. Rigby, P.E.
Director of Public Works

Reviewed as to Legal Sufficiency:



Jeffery Robinson
City Attorney

Recommended by:



Bryce Haderlie
Interim City Manager

BACKGROUND DISCUSSION:

The City has hired the engineering firm Hansen, Allen and Luce, Inc. (HAL) to prepare a Storm Drain Master Plan update, including modeling analysis and creation of an updated capital projects list. A large part of the work is to survey the existing storm drain pipes and inlet structures so that the infrastructure can be put into the storm drain model and analyzed. This work is progressing on schedule, although since the time that the request for proposals was sent out last year, the City has grown and additional subdivisions, roads, and detention ponds have been built. The original survey budget amount did not include all of the new subdivisions and detention ponds constructed this last year. The City would like to have these areas surveyed and added to the model analysis, to keep up with the growth of the City's storm drain infrastructure.

Attachments:

Resolution
Amendment No. 1

THE CITY OF WEST JORDAN, UTAH
A Municipal Corporation

RESOLUTION NO. 14-190

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE AMENDMENT NO. 1 TO THE
PROFESSIONAL SERVICES AGREEMENT BETWEEN
THE CITY AND HANSEN, ALLEN AND LUCE, INC.

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 Hansen, Allen, and Luce, Inc. (a copy of which is attached) for additional surveying of the storm drain system in an amount not to exceed \$22,000; and

WHEREAS, the City Council of the City of West Jordan desires to approve Amendment No. 1 to the Professional Services Agreement with Hansen, Allen, and Luce, Inc. for additional surveying of the storm drain system in an amount not to exceed \$22,000.

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 Hansen, Allen, and Luce, Inc. for surveying services for the Storm Drain Master Plan in an amount not to exceed \$22,000.

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

Adopted by the City Council of West Jordan, Utah this 8th day of October 2014.

Kim V. Rolfe
Mayor

ATTEST:

MELANIE S. BRIGGS
City Recorder

Voting by the City Council	"AYE"	"NAY"
Jeff Haaga	_____	_____
Judy Hansen	_____	_____
Chris McConnehey	_____	_____
Chad Nichols	_____	_____
Ben Southworth	_____	_____
Justin D. Stoker	_____	_____
Mayor Kim V. Rolfe	_____	_____

AMENDMENT NO. 1
TO AN AGREEMENT
FOR PROFESSIONAL SERVICES
BETWEEN THE CITY OF WEST JORDAN
AND
Hansen, Allen and Luce, Inc.

THIS AMENDMENT, made and entered into this 8th day of October 2014 by and between the CITY OF WEST JORDAN, a municipal corporation (hereinafter referred to as "City"), and Bowen Collins & Associates, 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 for additional Surveying Services for 2014 Master Drainage Plan Update.

2. **DESCRIPTION OF SERVICES**

The services to be performed by Consultant are as follows:

Provide for Surveying Services for the 2014 Master Drainage Plan Update as described in the attached Consultant's proposal dated September 25, 2014.

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 **\$22,000** for Amendment No. 1 bringing the total not-to exceed fee to \$140,100.00 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
West Jordan City Attorney

By: Daniel Klein Date: 9-30-14

CONSULTANT

Hansen, Allen and Luce, Inc.

STATE OF _____)

:SS

COUNTY OF _____)

On this ____ day of _____, 201__ personally appeared before me, _____

_____, who being by me duly sworn did say that he is the

of _____, a _____

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.

NOTARY PUBLIC

My Commission Expires:

Residing in _____ County, _____

WEST JORDAN CITY
2014 MASTER DRAINAGE PLAN UPDATE
Additional Survey Work Scope and Budget
September 25, 2014

West Jordan City has requested that additional manholes and inlets be surveyed beyond what was estimated in the original scope of work. Inlets and manholes are to be surveyed with survey grade GPS equipment to obtain an elevation of the manhole rim or top of inlet grate plus a measure down to the outfall pipe invert. Points to be surveyed are shown on Figure 1 – Survey Map Summary. The estimated points (inlets and manholes) to be surveyed are summarized in Table 1. Points to be surveyed are categorized in the table as follows.

1. Not Surveyed Model Junctions: Junctions from the model that are tagged as NS, Not Surveyed, or NM.
2. Additional Model Junctions with Elevations to the nearest foot: We understand that these inlets and manholes were inventoried by locating the points on a map and the flow line elevations were rounded to the nearest foot to indicate that the point was not surveyed.
3. Not Surveyed Model Junctions in Commercial Developments: Junctions from the model with even elevations or not surveyed tags that are in private commercial developments which may be pertinent towards the system hydraulic modeling.
4. Additional GIS Junctions Requiring Survey: Junctions from the GIS database that were not included in the model and appear to be part of the storm drain system.
5. Inlets and Manholes in Additional New Developments not in GIS database: There are new subdivisions which have been constructed which are not included in the GIS database. Estimated areas for these developments are shown on Figure 1 shaded green.
6. Additional Detention Basin Structures. There are also reported to be a number of detention basins which are not included in the existing models. Detention basins which are greater than 1 acre-feet are to have their inlet and outlet structures surveyed. The number of detention basins larger than 1 acre-foot is not known and is estimated at 80.

TABLE 1
ESTIMATED NUMBER OF POINTS (Inlets and Manholes) TO BE SURVEYED

POINTS (Inlets and Manholes to be Surveyed)	Estimated Count	
1. Not Surveyed Model Junctions (NS)	929	
2. Additional Model Junctions with Elevations to the nearest foot. (Even)	549	
3. Not Surveyed Model Junctions in Commercial Developments (Possible Survey)	72	
4. Additional GIS Junctions Requiring Survey (GIS Add)	160	
5. Inlets And Manholes In Additional New Developments Not In GIS Database	480	
6. Additional Detention Basin Structures	80	
Estimated Total Inlets and Manholes to be Surveyed	2,270	survey points
Original scope estimate	1,100	survey points
Addition to scope (total minus original estimate)	1,170	survey points
Manpower (estimated at 12 minutes per survey point)	234	hours
Labor costs (\$75 per hour)	\$17,550	
Estimated Expenses	\$2,545	
Subtotal	\$20,095	
Recommended contingency 10%	\$1,905	
Total recommended budget increase	\$22,000	