



City of Grand Island

Tuesday, January 09, 2007

Council Session

Item G13

#2007-12 - Approving Amendment No. 1 to the Agreement with Kirkham Michael for Engineering Consulting Services for Storm Sewer Design Relative to the Wasmer Detention Cell

Staff Contact: Steven P. Riehle, Public Works Director

Council Agenda Memo

From: Steven P. Riehle, Public Works Director

Meeting: January 9, 2007

Subject: Approving Amendment No. 1 to the Agreement with Kirkham Michael for Engineering Consulting Services for Storm Sewer Design Relative to the Wasmer Detention Cell

Item #'s: G-13

Presenter(s): Steven P. Riehle, Public Works Director

Background

Any amendments to an agreement must be approved by the city council. On July 25, 2006 the city council approved a resolution to enter into an agreement with Kirkham Michael for Engineering Consulting Services. The agreement provides for design of storm sewer from the Nebraska Department of Roads project to widen US HWY 30 to the Wasmer Detention Cell.

Discussion

After the surveying and design was underway, it was discovered that more areas will be draining into the new system than originally anticipated. In addition, water main conflicts were not included in the scope of the original agreement. Therefore, more field surveys, utility research and water main design work will be needed to complete the design.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve the amendment no. 1 to the agreement.
2. Refer the issue to a Committee.
3. Postpone the issue to future date.
4. Take no action on the issue.

Recommendation

City Administration recommends that the Council approve the amendment to the agreement.

Sample Motion

Motion to approve the amendment.

**Amendment Authorizing a
Change in Scope of Services**

In accordance with the Contract Terms and Conditions between the **City of Grand Island, Nebraska** and **Kirkham Michael** dated _____, this Amendment describes change(s) to the Scope of Services, Project Schedule and/or Engineering Fees for Kirkham Michael's services on the project known as:

Wasmer Detention Cell Storm Sewer Design**City of Grand Island, NE**

Authorized Representative:

Steve P. Riehle, P.E.
Public Works Director

Address:

City of Grand Island
100 East First Street
P.O. Box 1968
Grand Island, NE 68802-1968

Telephone No:

(308) 385-5444

Kirkham Michael

Authorized Representative:

Robert D. Schutt
Project Manager

Address:

12700 West Dodge Road
Omaha, NE 68154

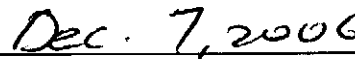
Telephone No:

(402) 255-3836

TOPIC: Additional Drainage Study, and Watermain and Water Service Relocation**SCOPE:** See Attachment A**ENGINEERING FEES:** See Attachment A**TOTAL CHANGE IN PROJECT'S ESTIMATED FEES: \$18,000.00**

TERMS AND CONDITIONS: The terms and conditions of the Contract referenced above shall apply to this Addendum except to the extent expressly modified by this Addendum. In the event of any such modification, the modification shall be set forth on pages attached to this Addendum and signed on the last page by the Authorized Representatives. The Article of the Contract to be modified shall be specifically referenced in the modification, and the modification shall be precisely described.

The following signatures of the Authorized Representatives acknowledge acceptance of the terms of this Addendum.

APPROVAL AND ACCEPTANCE:**City of Grand Island, Nebraska****Kirkham Michael**_____
Signature_____
Printed Name_____
Title_____
Date_____
Roger M. Helgoth, P.E._____
Printed Name_____
Title_____
DateATTEST

**City of Grand Island, Nebraska
Wasmer Drainage Design Storm Sewer Improvements
Amendment for Additional Services
Summary of Tasks**

Task – 1 Additional Drainage Study

During the identification and development of preliminary drainage areas two additional areas outside the originally scoped study area were identified as potential contributors to the Wasmer detention system.

The areas in question lie northwest (between 1st St. to the north and W. Division St. to the south bounded by Logan St. on the east and to the west of Garfield Ave. S. to the west) and southeast (bounded by W. Division St. on the north and W. Charles St. along the south with Monroe St. along the west and Adams St. to the east) of the original project area. The City was then provided information identifying these potential areas and performed a visual site inspection to determine if further delineation was possible. The City reported that further delineation by visual inspection was not possible due to the lack of geographical relief and flatness of the areas in question.

1. The area at the west end of the project lies between Logan Street and Garfield Ave. S. along 1st Street. Determination of the area boundary was made by utilizing City of Grand Island GIS information in conjunction with information that was gathered for the project along 2nd Street (US-30), and the existing drainage patterns on other streets in the surrounding area.

Once the area was delineated, hydrology was calculated using the Rational Method. This information was then incorporated into the hydraulic analysis of the existing and proposed storm sewer systems.

2. The area east end of the project between Monroe Street and Jefferson Street along Division Street and Koenig Street. Determination of the area boundary was made by utilizing City of Grand Island GIS information in conjunction with information that was gathered for the project along 2nd Street (US-30), and the existing drainage patterns on other streets in the surrounding area.

Once the area was delineated, hydrology was calculated using the Rational Method. This information was then incorporated into the hydraulic analysis of the existing and proposed storm sewer systems.

Delineation and development of hydrology and hydraulics utilizing office methods eliminated the need for additional survey.

3. An alternative trunk-line analysis was performed on the Logan Street leg of the proposed system to ensure that all reasonable routes for the trunk-line were identified to best utilize the system as well as minimize potential impacts to existing utilities and roadway infrastructure.

Estimated Effort Task – 1 52 hrs

Task – 2 Watermain and Water Service Relocations

This task involves identifying and locating existing municipal water mains and services within the project area. Once located a determination will be made on the impact and appropriate design will be made for relocation or looping of mains and services. JEO Consulting will provide engineering services for this task. See attached “Exhibit A” for additional details related to this task.

1. Included with this task is management of final design, invoicing, and progress reporting.

Estimated Effort Task – 2 8 hrs

Fee Breakdown

Original Contract

Kirkham Michael	\$38,450.44
Subconsultant - JEO	<u>\$28,424.00</u>

Original Contract Total	\$66,874.44
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Amended Amount

Kirkham Michael	\$ 5,882.00
Subconsultant - JEO	<u>\$12,118.00</u>

Amended Total	<u>\$18,000.00</u>
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Amended Contract Total	\$84,874.44
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AMENDMENT TO AGREEMENT**STORM SEWER IMPROVEMENTS
CITY OF GRAND ISLAND, NEBRASKA****JEO PROJECT NO: 310D3**

December 06, 2006

REFERENCE: Standard form of agreement between OWNER and ENGINEER for professional services dated August 1, 2006. Except as noted below, all other terms and conditions remain unchanged.

AMENDMENT: The additional scope of services described below shall be performed for this project.

PROJECT DESCRIPTION: The primary objective of this additional work investigate the location of the existing municipal water services, document on the plan sheets the approximate location of these water services, and to create plan sheets for the potential relocation of water service mains necessary for the storm sewer improvements.

Task 1: Water Service Crossings

JEO will investigate the documented location of the water services using the City of Grand Island web-based GIS system. The water services will be investigated for all properties potentially impacted by the storm sewer improvement.

JEO will plot the existing water services on the topographic drawing at the locations indicated in the water service records found on the City's web-based GIS system and re-submit this drawing to KM.

JEO will also add the necessary notes and details required to the construction plans for the potential relocation or looping of these services.

JEO will also supply to KM all information gathered in the investigation of the water services for KM's records.

Approximate Task Hours – 81

Task Fee - \$5,913.00

Task 2: Water Main Crossings

JEO will develop profiles necessary to relocate or loop the water mains as required by the storm sewer improvement. At this time it appears that there is a maximum of twelve (12) relocations necessary.

JEO will plot the existing water mains using available information from the Field Survey as well as available information from the City of Grand Island. Additional utility location work such as potholing is not anticipated at this time.

Approximate Task Hours – 85

Task Fee - \$6,205.00

PROJECT FEE:

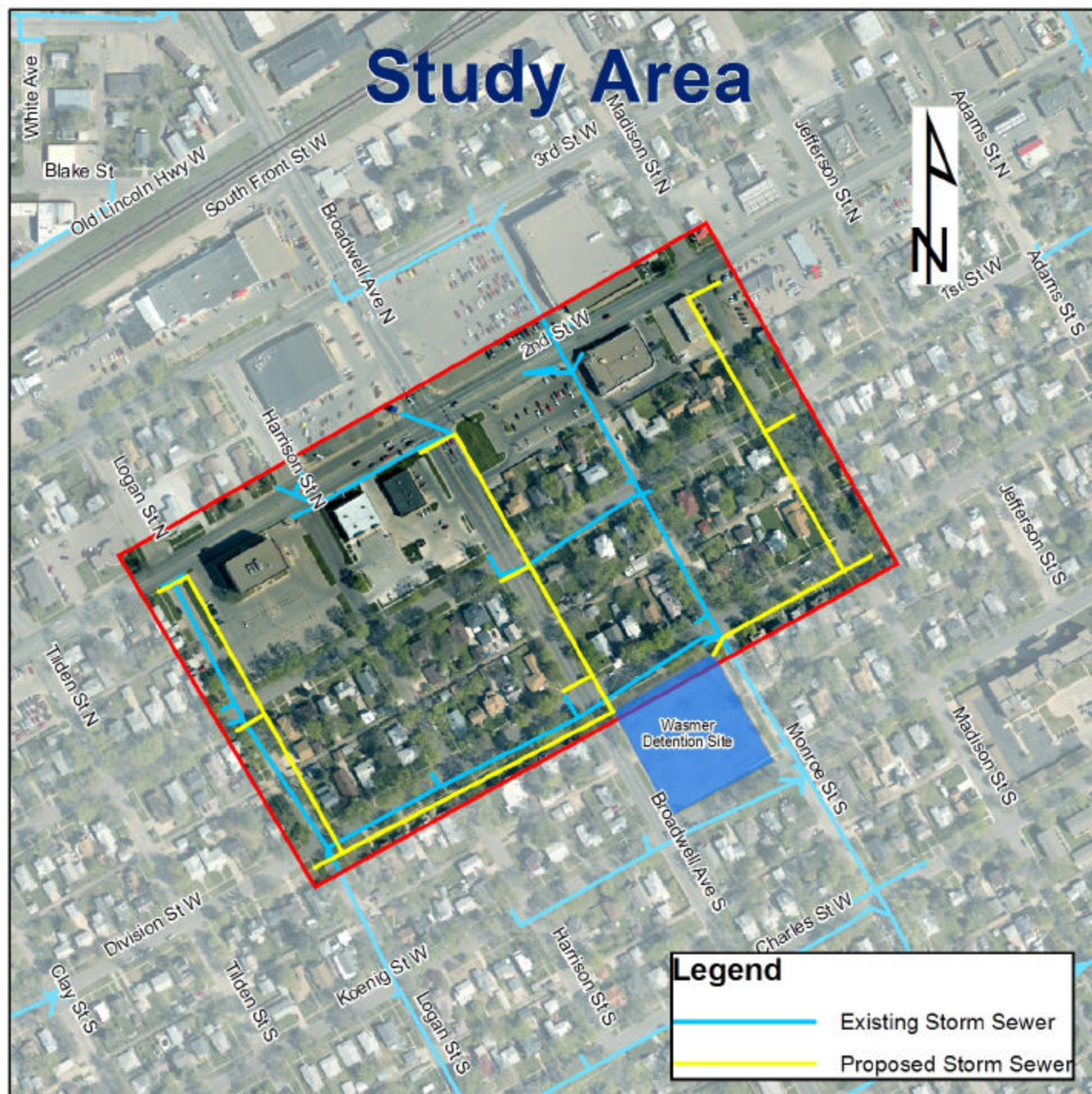
Engineer will provide the services described above for an additional engineering fee for the lump sum amount of \$12,118.00. The revised contract amount for this project will be \$40,542.00. Owner will be billed monthly for services to date. Invoices are due upon receipt.

Original Contract Amount:	\$28,424.00
Additional Fees (Task 1 & 2):	\$12,118.00
Amended Contract Amount	\$40,542.00

OWNER: **Kirkham Michael**

ENGINEER: **Steve Parr, Vice-President**
JEO Consulting Group, Inc.

Study Area



RESOLUTION 2007-12

WHEREAS, on July 25, 2006, by Resolution 2006-209, the City Council for the City of Grand Island awarded the proposal for engineering consulting services for storm sewer design for the Wasmer Detention Cell to Kirkham Michael of Omaha, Nebraska; and

WHEREAS, after initial surveys were completed, it was discovered that additional areas will be draining into the Wasmer Detention Cell; and

WHEREAS, water main conflicts were not included in the scope of the agreement; and

WHEREAS, it is therefore necessary to amend the agreement for consulting services to include additional surveys, utility research and water main design work; and

WHEREAS, due to Kirkham Michael's knowledge and experience working on this project, it is recommended that they continue providing engineering work to final completion of the project.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that Amendment No. 1 to the Agreement with Kirkham Michael for engineering consulting services for storm sewer design relative to the Wasmer Detention Cell is hereby approved.

BE IT FURTHER RESOLVED that the Mayor be, and hereby is, authorized and directed to execute such amendment on behalf of the City of Grand Island.

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Adopted by the City Council of the City of Grand Island, Nebraska on January 9, 2007.

Margaret Hornady, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
July 25, 2006	☐ City Attorney