CLERK'S CONTRACT and AGREEMENT COVER PAGE

Legistar File ID#:

Innoprise Contract #: C14-0015

Year: 2014-15

Amount:

Department: All

Contract Type: Addendum E to General Contract 2007-2008

Contractors Name: Christopher B Burke Engineering Ltd

Contract Description: Addendum E to General Contract 2007-2008 extending term to 12/31/2015
C14-0016 Bulk Transfer Storage $10,600
C14-0017 Police Parking Lot Evaluation & reconstruction $8,000
C14-0018 Land Development Code $65,000
C14-0081 Parkview Estates Stage II (Ph 1 Eng) Storm Water Impr $67,550
C14-0083 LaReina Re`al (ph1 eng) Storm Water Impr $93,000

MAYOR
Daniel J. McLaughlin
VILLAGE CLERK
John C. Mehalek
14700 S. Ravinia Ave.
Orland Park, IL 60462
(708) 403-6100
www.orlandpark.org

VILLAGE HALL

September 29, 2014

Mr. Travis Parry
Christopher B. Burke Engineering, Ltd.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018-4920

RE: ***NOTICE TO PROCEED***

- ***Parkview Estates Stage II (phase 1 Engineering) – Storm Water Improvements***
- ***La Reina Re`al (phase 1 Engineering) – Storm Water Improvements***

Dear Travis:

This notification is to inform you that the Village of Orland Park has accepted and signed the proposals dated July 28, 2014 for Parkview Estates Stage II (phase 1 Engineering) – Storm Water Improvements and July 30, 2014 for La Reina Re`al (phase 1 Engineering) – Storm Water Improvements.

The Village will be processing Purchase Orders for the above services and will email them to you. It is imperative that this number on the Purchase Order be noted on all invoices, correspondence, etc. All invoices should be sent directly to the Accounts Payable Department at 14700 S. Ravinia Ave. Orland Park, IL 60462. Also, your final invoice for this contract/service should state that it is the final invoice pertaining to that Purchase Order.

For your records, I have enclosed one (1) fully executed proposal dated July 28, 2014 in an amount not to exceed Sixty Seven Thousand Five Hundred Fifty and No/100 ($67,550.00) Dollars and one (1) fully executed proposal dated July 30, 2014 in an amount not to exceed Ninety Three Thousand and No/100 ($93,000.00) Dollars. If you have any questions, please call me at 708-403-6173.

Sincerely,

Denise Domalewski
Contract Administrator

cc: Napoleon Haney
John Ingram

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

July 28, 2014

Village of Orland Park
Public Works Department
15655 Ravinia Avenue
Orland Park, IL 60462

Attention: Mr. John Ingram – Infrastructure Maintenance Director

Subject: Proposal for Professional Engineering Services (Phase I Engineering) for Parkview Estates Stage II – Stormwater Improvements

Dear Mr. Ingram:

Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to submit this proposal to provide professional engineering services for the design of Stage II stormwater improvements for the Parkview Estates Subdivision. This proposal includes our Understanding of the Assignment, Scope of Services and Estimated Fee.

UNDERSTANDING OF ASSIGNMENT

CBBEL previously completed a conceptual level hydrologic and hydraulic model of the Parkview Estates Subdivision and surrounding areas to determine the level of impact that several stormwater improvement alternatives could have in reducing the risk of flooding. The Parkview Estates Subdivision is subject to flooding from a large upstream tributary area that flows through the development's online detention basin and a substantial amount of undetained runoff from unincorporated Palos Township. Based on the results of the analysis, the Village previously contracted with CBBEL for the design of several alternatives to reduce the risk of residential structures being inundated during future storm events.

Specifically, CBBEL is currently designing a collection and conveyance system to divert the undetained stormwater runoff from Palos Township to the detention basin and preparing modifications to the outlet control structure of the Parkview detention basin to more effectively and predictably control the water surface elevations, and the creation of additional stormwater detention storage.

To ultimately provide the type of protection desired by the Village, Stage II of the Parkview Subdivision Stormwater Improvements will consist of the design and construction of a

detention basin upstream to collect and store stormwater runoff from other areas tributary to Parkview. The detention basin is proposed to be located at Village-owned property at Evergreen View Park. The proposed stormwater conveyance system will consist primarily of a new piping network and will collect and convey stormwater runoff from the Caro Vista detention basin to the proposed detention basin.

Additionally, CBBEL will evaluate the Villa West detention basin to determine if the operation and/or function of the basin can be optimized to provide a higher level of protection for the residents of the Parkview Subdivision without adversely impacting other areas of the system.

SCOPE OF SERVICES

Based on our experience with similar projects, our anticipated scope of services is detailed below:

PHASE I ENGINEERING

Task 1 – Topographic Survey: The survey will be used as a base map for design purposes. The survey will include potential sites for additional stormwater detention, downstream areas of Mill Creek and other pertinent data related to the top of foundations and overland flow paths needed to complete the design. Included are the following survey tasks:

1. Horizontal Control: Utilizing state plane coordinates (NAD'83, Illinois East Zone, 1997 Adjustment); CBBEL will establish recoverable primary control.

2. Vertical Control: Establish site benchmarks for construction purposes, tied to the NAVD 88 Vertical Datum. A level circuit will be run throughout the project, establishing benchmarks and assigning a vertical datum on the horizontal control points.

3. Research at the Cook County Recorder's Office.

4. Field recon and survey to locate existing monumentation and Right-of-way evidence.

5. Analyze Record and Field Data necessary to compute approximate Right-of-Way throughout project limits.

6. All trees of 6 inch caliper or greater to be surveyed. Provide tree size, location and elevation on survey.

7. All above and below ground utilities including, but not limited to: water, sanitary sewer, storm sewer, telephone, electric, cable and gas, etc. Identify size, type, rim, and invert elevations.

8. Existing hardscape improvements located in the project limits including paving, curbs, light fixtures, walks, street signs, parking, fencing and gates, approximate R-O-W, and adjacent building façade & overhangs (if any).

9. Office calculations and plotting of field and record data.

10. Office contouring of field data and one foot contour intervals.

11. Drafting of existing conditions Plan at a scale of 1"=20'.

Task 2 – Utility Coordination: CBBEL will identify utilities that may have facilities within the project limits and send a Preliminary Utility Request to all knownutility companies to obtain pertinent information. Based on the information received from the utility companies, CBBEL will include locations of all facilities on the plans, identify potential conflicts with the proposed project and design the proposed improvements to minimize utility conflicts.

Task 3 – Hydrologic and Hydraulic Modeling: Based on the date collected in Task 1, CBBEL will update the hydrologic and hydraulic modeling to reflect the actual field conditions. This will include the detailed characteristics of the Caro Vista and Evergreen View areas. Once the model has been updated, CBBEL will calibrate the model for existing conditions based on historical data and/or surveyed water marks. CBBEL will size the proposed conveyance system from Caro Vista and design the detention basin.

Task 4 – Villa West Detention Basin Optimization: CBBEL will evaluate the Villa West detention basin for potential modifications to its operation to more effectively reduce the risk of flooding. The evaluation will determine if the basin's operations can be modified to allow it to store more stormwater runoff more often, store a larger quantity or otherwise be modified to provide an overall benefit to the entire system without increasing the risk at any other locations within the system. The results of this evaluation will be summarized for Village staff in a technical memorandum.

Task 5 – Preliminary Sewer Design Exhibit and Cost Estimate: Based on Tasks 1 through 4, CBBEL will prepare an overall Preliminary Sewer Design Exhibit illustrating the proposed pipe routing, pipe sizes and limits of pond modification work. This exhibit will serve as the basis of design for the future development of design plans and bidding documents (Phase II Engineering). CBBEL will also prepare a Preliminary Cost Estimate for the proposed project.

FEE

The estimated costs for the tasks provided above are as follows:

TASK	DESCRIPTION	COST
1	Topographic Survey	$ 25,000
2	Utility Coordination	$ 5,000
3	Hydrologic and Hydraulic Modeling	$ 19,750
4	Villa West Detention Basin Optimization	$ 7,800
5	Preliminary Sewer Design Exhibit and Cost Estimate	$ 10,000
	Total	**$ 67,550**

We will bill you at the hourly rates specified on the attached Schedule of Charges and establish our contract in accordance with the previously accepted General Terms and Conditions for Orland Park.

Please sign and return one copy of this agreement as an indication of acceptance and notice to proceed. Please feel free to contact us anytime.

Sincerely,

for

Christopher B. Burke, PhD, PE, D.WRE, Dist.M.ASCE
President

Attachment: Standard Charges

THIS PROPOSAL, SCHEDULE OF CHARGES AND GENERAL TERMS & CONDITIONS ACCEPTED FOR THE VILLAGE OF ORLAND PARK:

BY: _____

TITLE: Paul G. Grimes Village Manager

DATE: 9/22/14

CHRISTOPHER B. BURKE ENGINEERING, LTD.
STANDARD CHARGES FOR PROFESSIONAL SERVICES
JANUARY, 2007

Personnel	Charges* ($/Hr)
Principal	219
Engineer VI	192
Engineer V	157
Engineer IV	126
Engineer III	117
Engineer I/II	95
Survey V	157
Survey IV	120
Survey III	115
Survey II	90
Survey I	70
Resource Planner V	107
Resource Planner IV	101
Resource Planner III	92
Resource Planner II	84
Engineering Technician IV	120
Engineering Technician III	99
Engineering Technician I/II	91
CAD Manager	126
Assistant CAD Manager	120
CAD II	117
CAD I	91
GIS Specialist III	112
GIS Specialist I/II	63
Environmental Resource Specialist V	140
Environmental Resource Specialist IV	126
Environmental Resource Specialist III	107
Environmental Resource Specialist I/II	87
Environmental Resource Technician	82
Administrative	82
Engineering Intern	48
Survey Intern	48
Information Technician III	88
Information Technician I/II	56

Direct Costs	
Outside Copies, Blueprints, Messenger, Delivery Services, Mileage	Cost + 12%

- Charges include overhead and profit

Christopher B. Burke Engineering, Ltd. reserves the right to increase these rates and costs by 5% after December 31, 2007.