CLERK'S CONTRACT and AGREEMENT COVER PAGE

Legistar File ID#: 2012-0432 **Innoprise Contract #:** C12-0074

Year: 2012 **Amount:** $102,400.00

Department: PW - John Ingram

Contract Type: Prof Engineering addendum

Contractors Name: Christopher Burke

Contract Description: Parkview Estates - Stormwater Improvements addendum to general contract 7/5/12

MAYOR
Daniel J. McLaughlin

VILLAGE CLERK
David P. Maher

14700 S. Ravinia Ave.
Orland Park, IL 60462
(708) 403-6100

www.orland-park.il.us

VILLAGE HALL

September 7, 2012

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

RE: ***NOTICE TO PROCEED***
Parkview Estates - Stormwater Improvements

Dear Travis:

This notification is to inform you that the Village of Orland Park has accepted and signed the proposal dated July 5, 2012 Parkview Estates – Stormwater Improvements.

Please contact John Ingram at 708-403-6104 regarding the work.

The Village will be processing a Purchase Order for this contract/service and it will be faxed to your company. 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) original executed proposal dated July 5, 2012 in an amount not to exceed One Hundred Two Thousand Four Hundred and No/100 ($102,400.00) Dollars. If you have any questions, please call me at 708-403-6173.

Sincerely,

Denise Domalewski
Contract Administrator

cc: 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 5, 2012

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 for
Parkview Estates – 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 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 would like to proceed with the design of several alternatives to reduce the risk of residential structures being inundated during future storm events.

Specifically, CBBEL will proceed with the design of a collection and conveyance system to divert the undetained stormwater runoff from Palos Township to the detention basin, 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. The additional stormwater detention may include multiple locations based on more detailed survey that will be collected during the proposed design. Additionally, CBBEL will collect the additional survey data required to connect the Parkview Estates hydrologic and hydraulic model to the modeling prepared for Mill Creek. This will provide the Village with a

valuable resource for the application of a Letter Of Map Revision (LOMR) to potentially reduce the floodplain and for analyzing future development.

SCOPE OF SERVICES

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

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 known utility 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. CBBEL will then revise the design of the proposed conveyance system, Parkview detention basin outlet, and additional storage to reduce the ponding of runoff along Strawberry Lane and associated areas. CBBEL will also utilize the updated hydrologic and hydraulic modeling and the additional data to create a complete model for Mill Creek upstream of Southwest Highway.

Task 4 – Preliminary Engineering: CBBEL will prepare preliminary plans, specifications and cost estimates for the project areas. We assume all the project areas will all be included into one set of construction documents to be completed under a single contract.

We estimate the following plan sheets will be required with associated work hours:

Sheet Hours	No. of Sheets	Avg. Hours per Sheet	Hours
Title Sheet	1	6	6
General Notes/ Summary of Quantities/ Typical Sections	3	16	48
Alignment Ties & Benchmarks	2	8	16
Sewer Plan & Profile 1"=20'	3	24	72
Grading Plans 1"=50'	3	24	72
Outlet Modification Plan	1	12	12
Erosion Control & Landscaping Plans & Details 1"=50'	3	12	36
Cross-Sections	3	16	48
Construction Details	1	8	8
Specifications	-	-	16
Cost Estimates/Quantity Calculations	-	-	20
QA/QC Reviews	-	-	8
Total	**20**		**362***

** Represents hours to complete Tasks 4 and 7.*

Preliminary Plans, Specifications and a Cost Estimate will be submitted to the Village for review. This task includes one review meeting with Village Staff.

Task 5 – MWRD Coordination: Although the Village owns the detention basins where the majority of the additional storage is proposed, they have been previously permitted by the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) and it is anticipated that a significant amount of coordination will be required during the design and construction of the proposed stormwater improvements to obtain MWRDGC concurrence. CBBEL will meet and coordinate with MWRDGC throughout the design process to determine any potential

conflicts with MWRDGC's requirements.

Task 6 – Permitting: In addition to the MWRDGC, CBBEL will prepare a Stormwater Pollution Prevention Plan (SWPPP) consistent with the requirements of the Village's NPDES Phase II permit and submit it to the Illinois Environmental Protection Agency (IEPA).

Task 7 – Final Engineering: Upon meeting with the Village Staff to review their comments on the preliminary submittal, CBBEL will revise and finalize the contract documents and cost estimate. During this task the exact letting date will be determined and an estimated construction schedule will be provided.

Task 8 – Bid Assistance: CBBEL will assist the Village in advertising for bids, distribute plans and specifications to all bidders, and be present at the bid opening. CBBEL will review and tabulate all of the bids and make a recommendation of award.

FEE

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

TASK	DESCRIPTION	COST
1	Topographic Survey	$ 32,000
2	Utility Coordination	$ 2,200
3	Hydrologic and Hydraulic Modeling	$ 9,800
4	Preliminary Engineering	$ 32,000
5	MWRDGC Coordination	$ 4,000
6	Permitting	$ 2,900
7	Final Engineering	$ 18,000
8	Bid Assistance	$ 1,000
	Direct Costs	$ 500
	Total	**$102,400**

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, F.ASCE
President

Attachment: Standard Charges

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

BY: _____

Paul G. Grimes

TITLE: Village Manager

DATE: 9/5/12

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.