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

March 1, 2018

Village of Orland Park
15655 Ravinia Avenue
Orland Park, IL 60462

Attention: John Ingram, Public Works Director

Subject: Proposal for Design Engineering Services
Saint Michaels Parking Lot

Dear Mr. Ingram:

Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to submit our proposal to perform professional design and construction engineering services for the Village of Orland Park. Included in this proposal is our Understanding of the Assignment, Scope of Services, and Estimate of Fee.

Mr. James Amelio, PE who is very familiar with the project site will be the point of contact and project manager.

We trust that it will demonstrate our understanding of the project and our expertise to perform the upcoming assignment. The CBBEL project team looks forward to working with the Village and is committed to completing the work to your satisfaction and within the required time schedule.

UNDERSTANDING OF THE ASSIGNMENT

The Village is proposing to replace the existing 48" CMP storm sewers within the St. Michaels Parking Lot and surrounding area with RCP storm sewers. In addition, the Village desires to explore options for minimizing the flooding that occurs at both the intersection of 144th and Irving Street and in the vacant lot at the southeast corner.

It is our understanding that this project will be constructed with Village funds.

SCOPE OF SERVICES

Task 1 – Topographic Survey: CBBEL will obtain topographic survey of the project area as needed to design the proposed improvements. The survey will be used as a base map for design purposes. Included are the following survey tasks:

1. Horizontal Control: Utilizing state plane coordinates (NAD '83, Illinois East Zone 1201); CBBEL will establish recoverable primary control.
2. Vertical Control: CBBEL will establish elevations on new horizontal control points based on NAVD '88 Vertical Datum.
3. Field topographic survey to locate and measure pavement, curbs, trees, fences, walks, curb cuts, utilities, approximate right-of-way and other pertinent site features.
4. Field Survey to determine detailed utility structure rim and invert elevations, pipe size and material.
5. Field level run to establish vertical control.
6. Office calculations and plotting of field data.
7. Drafting of an existing conditions plan in a Microstation drawing file.

CBBEL will create design base sheets from the survey at a scale of 1" = 20'. This task will also include identification of approximate roadway right-of-way.

Task 2 – Easement Exhibits: CBBEL will prepare an Easement Exhibit for a proposed easement in the Saint Michaels Parking Lot. Easement purchase cost is excluded from this proposal.

Task 3 – Hydrologic and Hydraulic Modeling: CBBEL will utilize existing storm sewer and topographic data from the Village and Cook County to prepare a preliminary hydrologic and hydraulic model of the study area. The preliminary model will simulate the runoff of stormwater thought the study area and allow CBBEL to replicate the flooding being experienced. Once the model has been completed, CBBEL will evaluate various alternatives to reduce the risk of future flooding for the study area. Alternatives may include additional storm sewers, modification or creation of overland flow routes, detention storage, a combination of all three, or other alternatives as needed to provide the additional protection desired. Once the various alternatives have been prepared and evaluated, CBBEL will summarize each alternative and the resulting flood reduction associated with it in a technical memorandum to the Village. CBBEL will meet with Village staff to review the proposed alternatives and assist in selecting a preferred improvement to reduce the risk of future flooding.

Task 4 – Plans and Specification: CBBEL will prepare contract documents incorporating Village comments consisting of plans, specifications, status of utilities to be adjusted and an estimate of construction cost. The plans will be prepared in accordance with Village and IDOT design criteria.

If upon completion of Preliminary Engineering plans, or at any point during the work under this contract, the Village of Orland Park wishes to convert this contract to a Design/Build Contract, CBBEL offers the services of Burke, LLC, a legal entity closely affiliated with CBBEL. CBBEL will terminate this contract and forfeit any remaining fee on the basis that Burke, LLC, CBBEL and the Village of Orland Park will execute a PRICE AND SCHEDULE GUARANTEE based on the preliminary plans and cost estimate. Burke, LLC will act as the General Contractor /

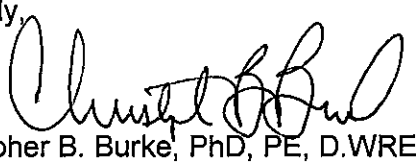
Construction Manager in accordance with the terms and conditions of a mutually acceptable DESIGN/BUILD CONTRACT. Burke, LLC with work with the Village of Orland Park to develop a mutually acceptable form of contract for construction services.

ESTIMATE OF FEE

Based on the above Scope of Services, our Estimate of Fee is detailed further in the attached CBBEL Work Effort.

We propose to bill you in accordance with the previously accepted Master Contract between the Village of Orland Park and CBBEL. If this proposal is acceptable to you, please sign both copies and return one to us for our files. Please feel free to contact us anytime.

Sincerely,



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

THIS PROPOSAL ACCEPTED FOR THE VILLAGE OF ORLAND PARK.

BY: _____

TITLE: _____

DATE: _____

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CBBEL WORK EFFORT
Village of Orland Park
Saint Michaels Church Parking Lot Drainage Improvements

		Personnel & Hours					
		Engineer IV	Engineer I/II	Survey		% of	
	Rate	$138.00	$102.00	1	Total Hours	Hours	Total Cost
Task 1	Topographic Survey	2	4	$ 10,000	6	1.1%	$ 10,684.00
Task 2	Easement Exhibit	4	12	$ 5,000	16	2.9%	$ 6,776.00
Task 3	Hydrologic and Hydraulic Modeling	12	60		72	13.0%	$ 7,776.00
Task 4	Plans and Specifications	160	300		460	83.0%	$ 52,680.00
	Subtotal	**178**	**376**		**554**		
	% of Hours	32.1%	67.9%				
	Total Cost	$ 24,564.00	$ 38,352.00	$ 15,000.00	$ 77,916.00		$ 77,916.00
	Direct Costs						$ 500.00
	Material Testing						$ -
	Total Cost						$ 78,416.00