



Bill To
Village Hall - Finance
1200 Wilmette Avenue
Wilmette, IL 60091

Purchase Order

Fiscal Year 2019

Page: 1 of 1

**THIS NUMBER MUST APPEAR ON ALL INVOICES,
PACKAGES AND SHIPPING PAPERS.**

Purchase Order # **19200004 - 01**

**THIS NUMBER MUST APPEAR ON ALL INVOICES,
PACKAGES AND SHIPPING PAPERS.**

Vendor

CHRISTOPHER B. BURKE ENGINEERS
9575 W HIGGINS RD - STE 600
ROSEMONT, IL 60018

Ship To

Village Hall - Engineering
1200 Wilmette Avenue
Wilmette, IL 60091

VENDOR PHONE NUMBER		VENDOR FAX NUMBER		REQUISITION NUMBER	DELIVERY REFERENCE
847-823-0500					
DATE ORDERED	VENDOR NUMBER	DATE REQUIRED	BUYER	DEPARTMENT/LOCATION	
01/21/2019	3880		Cliff Ruemmler	ENGINEERING	
NOTES					

WESTSIDE NEIGHBORHOOD STORAGE

The Above Purchase Order Number Must Appear On All Correspondence - Packing Sheets And Bills Of Lading

ITEM #	DESCRIPTION / PART #	QTY	UOM	UNIT PRICE	EXTENDED PRICE
1	Preliminary engineering, design and bidding. REPLACES Po 18200039.	1.0		\$802,961.93	\$802,961.93
2	ADDED: Additional engineering services needed to address: 1) recent changes in the IL State Water Survey Bulletin 70; and 2) tree protection alternatives per the attached proposal dated 04/16/2019 and approved by the Village Board on 04/23/2019 in an amount NTE \$24,550.00.	1.0		\$24,550.00	\$24,550.00


Purchasing Manager

Total Ext. Price \$827,511.93

Total Freight \$0.00

Purchase Order Total \$827,511.93

Vendor Copy



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

April 16, 2019

Village of Wilmette
711 Laramie Avenue
Wilmette, IL 60091

Attention: Brigitte Ann Berger-Raish, P.E. - Director of Engineering and Public Works

Subject: Wilmette West Side Neighborhood Storage Project
Alternatives Analysis for New Rainfall Data and Reduced Tree Removal
(CBBEL Project 18-0245)

Dear Ms. Berger:

Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to provide this proposal for professional engineering services related to an alternatives analysis for the West Side Neighborhood Storage Project in Wilmette, IL. Included below you will find our Understanding of the Assignment, Scope of Services and Fee Estimate.

UNDERSTANDING OF THE ASSIGNMENT

It is our understanding that the Village would like to look at design alternatives for the project to address the following two items:

- **Bulletin 70 Rainfall Update:** In March 2019, the Illinois State Water Survey (ISWS) released an update to the Bulletin 70 rainfall depths for various return interval storm events and storm durations. The rainfall depths increased for most, if not all, of these design storm events. The current optimized scenario recommended by the Village Board in February 2019 will be analyzed with the XP-SWMM model to determine the resultant 10-year flood elevations in relation to the roadway and structure elevations. If necessary, revisions to the concept design will be developed so that a similar level of benefit is achieved for the 10-year event as previously presented. Any cost implications will be calculated and documented.
- **Reduced Tree Removal at Parks:** This analysis will involve looking at alternative configurations for the underground stormwater storage at the park sites while maintaining the optimized storage volume for each site. These configurations will strive to reduce the required tree removal as much as possible at each of the park sites (Community Playfield, Thornwood Park and Hibbard Park). The other site constraints at each park site (i.e. future building footprints at Hibbard Park) will also be taken into consideration. The revised underground storage configurations will be shown on the site survey for Thornwood Park and Community Playfield and best available aerial

mapping for Hibbard Park. The advantages and disadvantages of the alternatives will be identified including any increases or decreases to the cost estimate.

The results of both analyses will be summarized in a technical memorandum.

SCOPE OF SERVICES

Task 1 - Updated Bulletin 70 XP-SWMM Modeling and WSNRP Revisions:

Using the previously prepared XP-SWMM model for the optimized project, the updated ISWS Bulletin 70 10-year rainfall data will be entered into the model and results reviewed with respect to the previously documented project benefits. The proposed underground storage areas and storm sewers will be modified in the XP-SWMM model as necessary to achieve a similar level of benefit with the larger 10-year rainfall depth. The previously prepared overall concept plan and cost estimate will be updated to reflect any changes to the proposed project.

Task 2 – Revised Park Storage Concepts for Tree Preservation:

The previously prepared park concept storage plans will be revised to preserve as many trees as possible at each of the three park sites while maintaining the required underground storage volume. It is anticipated that pump stations may be required at one of more of the park sites to achieve the required storage volume. Up to two alternatives will be investigated for each park site. An exhibit will be prepared for each alternative and any cost increase/decrease will be calculated. Project milestones will be provided for Community Playfield underground storage, which is scheduled as the first underground stormwater storage basin to be constructed.

Task 3 – Summary Memorandum and Meetings:

A memorandum will be prepared summarizing the results of Tasks 1 and 2. It is anticipated that one meeting with Village and Park District Staff as well as one presentation to the Park District and Village Board may be required.

FEE ESTIMATE

<u>TASK</u>	<u>DESCRIPTION</u>	<u>FEE</u>
1	Updated Bulletin 70 XP-SWMM Modeling and WSNRP Revisions	\$8,100
2	Revised Park Storage Concepts for Tree Preservation	\$8,950
3	Summary Memorandum and Meetings	\$7,500
	<i>TOTAL</i>	\$24,550

We anticipate 3 weeks to complete Task 1-2 and the summary memorandum. We will bill you at the hourly rates specified in our current contract for the West Side Neighborhood Storage Project and establish our contract in accordance with those General Terms and Conditions. Direct costs for blueprints, photocopying, mailing, overnight delivery, messenger services and report compilation are included in the fee estimate. These General Terms and Conditions are expressly incorporated into and are an integral part of this contract for professional services. Please note that any requested meetings or additional services are not included in the preceding fee estimate and will be billed at the attached hourly rates.

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

THE FOLLOWING INFORMATION IS FOR YOUR INFORMATION ONLY AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.

