

ORDINANCE NO. 1735-17

AN ORDINANCE AUTHORIZING THE EXECUTION OF AN AGREEMENT WITH CHRISTOPHER B. BURKE ENGINEERING, LTD. (CBBEL) – UPDATE TO VILLAGE-WIDE ANALYSIS OF REPORTED DRAINAGE PROBLEMS

BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Hawthorn Woods, Illinois, that the Mayor be and the same, is hereby authorized and directed to execute an agreement with the Christopher B. Burke Engineering, Ltd., substantially in the form attached hereto as Exhibit "A", and, by this reference made a part hereof.

The foregoing Ordinance was adopted on February 27, 2017 by a roll call vote as follows:

AYES: Perzio, Pless, Marger, Corrigan, Dimaggio, David

NAYS: 0

ABSENT AND NOT VOTING: 0

APPROVED: Joseph Mancino

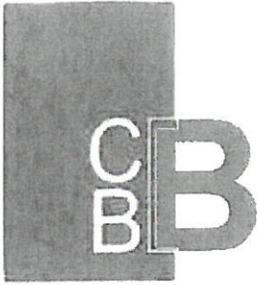
Joseph Mancino, Mayor

ATTEST: Donna Lobaito

Donna Lobaito, Village Clerk

ADOPTED: February 27, 2017

APPROVED: February 27, 2017



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

February 24, 2017

Village of Hawthorn Woods
2 Lagoon Drive
Hawthorn Woods, IL 60047

Attention: Ms. Pam Newton, Chief Operating Officer

Subject: Professional Engineering Proposal for Update to Village-Wide Analysis of Reported Drainage Problems

Dear Ms. Newton:

Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to provide this proposal for professional engineering services for an update to the previously prepared Village-Wide analysis of reported drainage problems. The update will include adding new drainage problem areas from Public Works and re-evaluating the full list based on the new criteria established at the February 9th work group. Included in this proposal are the Understanding of Assignment, Scope of Services, and Fee Estimate.

UNDERSTANDING OF ASSIGNMENT

We understand that the Village would like CBBEL to update the previously completed analysis of the reported drainage problems within the Village. The previous analysis gathered flood problem areas from a wide range of sources including Public Works, Village Administration, resident questionnaires and surveys sent to the Homeowners Associations. Based on meetings with Village staff, the 139 flood problem areas were prioritized with the highest priority given to regional drainage problems that could impact residential structures. As part of that analysis, CBBEL developed cost estimates for the 5 highest priority projects that met these criteria. Based on the results of the February 9th meeting, we understand that the Village has additional flood problem areas that they would like added to the list. It is estimated that the total list of flood problem areas will be approximately 150. We understand that the Village would also like to re-prioritize the list based on the following criteria:

- Size of drainage area that is draining to the problem area.
- Number of residents affected by the problem.
- Can the problem be solved by maintenance or is an infrastructure upgrade required?
- Does the Village have easements or property rights to implement the improvement?
- Is the issue changing watershed drainage patterns?
- Is the infrastructure in question on public property, private property or HOA's property?

Using these new criteria, we will prioritize the flood problem areas and discuss with the Village staff to obtain consensus on the results. Once consensus is obtained, CBBEL will develop a concept level drainage improvement for 5 of the flood problem areas that are chosen by the Village. We will also develop an Engineer's Estimate of Probable Cost for each of the concept level drainage improvement projects.

The previously prepared summary report will be updated to include an additional chapter and/or appendix outlining the new flood problem areas, new criteria, proposed drainage improvement projects and available funding opportunities.

SCOPE OF SERVICES

Task 1 – Analysis of Flood Problem Areas

With input from the Village staff, CBBEL will add the new flood problem areas and re-prioritize the flood problem areas based on the criteria discussed at the February 9th work group meeting. CBBEL will update the previously prepared map and work with the Village on identifying the 5 projects that the Village wishes to move forward in developing concept level drainage improvements. The drainage improvements will be developed based on best available information, including Lake County 1-foot topographic mapping, the Village storm sewer GIS mapping and other readily available information. It should be noted that hydrologic and hydraulic modeling will not be completed as part of this task.

Task 2 – Development of Engineer's Estimate of Probable Cost

CBBEL will prepare an Engineer's Estimate of Probable Cost for the 5 drainage improvement projects developed in Task 1.

Task 3 – Summary Report Update

CBBEL will prepare a summary report that will include the flood problem areas, ranking system, proposed drainage improvement projects, cost estimates, permit requirements and grant opportunities.

Task 4 – Meetings

CBBEL will plan on attending up to 2 meetings with Village Staff and the Village Board to discuss and make a presentation of the project.

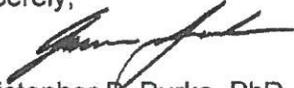
ESTIMATED FEE

<u>TASK</u>	<u>DESCRIPTION</u>	<u>FEE</u>
1	Analysis of Flood Problem Areas	\$ 5,000
2	Development of Engineer's Estimate of Probable Cost	\$ 1,500
3	Summary Report Update	\$ 1,500
4	Meetings	<u>\$ 900</u>
TOTAL		\$ 8,900

We will bill you at the hourly rates specified in our previously agreed upon Schedule of Charges (2004 Rates) and establish our contract in accordance with the previously agreed upon General Terms and Conditions. Direct costs for blueprints, photocopying, mailing, overnight delivery, messenger services and report compilation are not included in the Estimated Fee. We will not exceed the fee without written permission of the client. The General Terms and Conditions are expressly incorporated into and are an integral part of this contract for professional services.

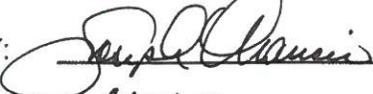
Please sign and return one copy of this agreement as an indication of acceptance and notice to proceed. Please feel free to contact us anytime.

Sincerely,



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

THIS PROPOSAL ACCEPTED FOR THE VILLAGE OF HAWTHORN WOODS:

BY:  _____

TITLE: MAYOR _____

DATE: 2/27/17 _____