

ORDINANCE NO. 1731-17

AN ORDINANCE AUTHORIZING THE EXECUTION OF AN AGREEMENT WITH
CHRISTOPHER B. BURKE ENGINEERING, LTD.

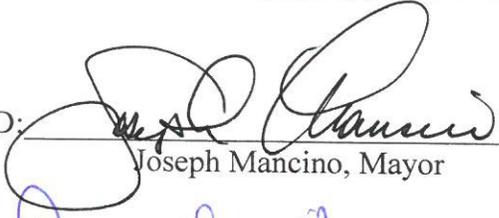
BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Hawthorn Woods, Illinois, that the Mayor be and the same, is hereby authorized and directed to execute an agreement with the Christopher B. Burke Engineering, Ltd., substantially in the form attached hereto as Exhibit "A", and, by this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

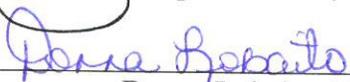
The foregoing Ordinance was adopted on February 27, 2017 by a roll call vote as follows:

AYES: Paizio, Kress, Morgan, Corrigan, Dimaggio, David

NAYS: 0

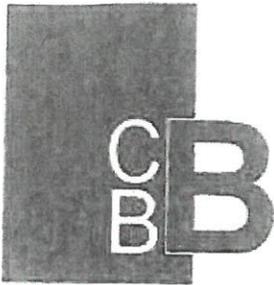
ABSENT AND NOT VOTING: 0

APPROVED: 
Joseph Mancino, Mayor

ATTEST: 
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

January 30, 2017

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

Attention: Michael Cassata
Planning Manager

Subject: Proposal to Perform Professional Engineering Services
Sewer and Water Service Feasibility Assessment for the Northern Area

Dear Mr. Cassata:

At your request, Christopher B. Burke Engineering, Ltd. (CBBEL) is submitting this proposal for professional engineering services for assessing the feasibility of using Mundelein for sewage disposal for the Northern Area of Hawthorn Woods. This proposal includes assessing the feasibility of using Mundelein or a direct connection to Central Lake County Joint Action Water Agency (CLCJAWA) to supply potable water to the Northern Area.

UNDERSTANDING OF THE ASSIGNMENT

It is our understanding Village of Hawthorn Woods would like to assess the feasibility of an alternate sewage disposal and potable water supply for the Northern Area of Hawthorn Woods. The disposal would be to use the Village of Mundelein sewer system; water supply alternatives under consideration would be either the Village of Mundelein or a direct connection to CLCJAWA. We understand that the sewer demand PE calculations for the Northern Area have been completed by AECOM as part of the Market Analysis for the Village and that those PE calculations are to be utilized in this proposed Sewer and Water Feasibility Assessment.

SCOPE OF SERVICES

CBBEL will complete the following major tasks for this proposed Sewer Study:

MUNDELEIN SEWAGE DISPOSAL

Task 1 - Establish Northern Area Service Area, Property Uses and Sewer Capacity Needs

- o Gather Data, meet with Village Staff to review the boundaries of the Northern Area, review potential expansion areas, and review anticipated zoning/land use anticipated for the Northern Area. It is our understanding that these determinations were made as part of the AECOM Market Analysis and that the results will be provided to CBBEL for use as the basis of our sewer and water services assessment.
- o Review PE sewer demand calculations for the properties in the Northern Area boundary based on land area and land use. It is our understanding that these determinations were made as part of the AECOM Market Analysis and that the results will be provided to CBBEL for use as the basis of our sewer and water services assessment.

- Meet with Village Staff and Mundelein Staff.
 - Discuss overall parameters that would apply to an agreement between the Villages for Mundelein to provide sewer disposal services
 - Identify how much capacity Mundelein is able to make available to Hawthorn Woods and the associated point(s) of connection to Mundelein's sewer facilities:
 - This information may be readily available or it may require a review by Mundelein Staff and Consultants to determine this value
 - Ability of Mundelein to serve may be dependent on upgrades to Mundelein's facilities (i.e. treatment plant and/or conveyance sewers, pump stations and forcemains)
- Using available County wide topographical maps, public ROW corridors, and PE sewer demand calculations, identify potential facility route corridors and sewer "backbone" facilities (i.e. truck sewers, lift stations and forcemains) needed to serve the Northern area and connect to Mundelein sewer facilities. (Does not include evaluation of possible land acquisition associated with the identified route corridor.)
- Provide planning/concept level engineering opinion of probable construction cost for the "backbone" sewer facilities.
- Summarize results of the study in a report with maps of the Northern Area, PE demands and conceptual stick line outlines of facilities.
- Cost comparison per linear foot for the extension of sewer from Gilmer Road and Route 176 to the Hawthorn Woods Country Club.

MUNDELEIN POTABLE WATER PURCHASE

Task 2 - Establish Northern Area Service Area, Property Uses and Potable Water Needs

- Using the data, property areas and property uses from the Mundelein Sewage Disposal Assessment Scope, prepare potable water demand calculations for the Northern Area
- Meet with Village Staff and Mundelein Staff (meeting to be concurrent with sewer meeting):
 - Discuss overall parameters that would apply to an agreement between the Villages for Mundelein to provide potable water to the Northern Area
 - Discuss what rate structure would apply for Mundelein to sell water to Hawthorn Woods
 - Identify how much capacity Mundelein is able to make available to Hawthorn Woods and the associated point(s) of connection to Mundelein's water facilities:
 - This information may be readily available or it may require a review by Mundelein Staff and Consultants
 - Ability of Mundelein to serve may be dependent on upgrades to Mundelein's facilities (i.e. storage facilities, transmission mains and distribution mains)
- Using available County wide topographical maps, public ROW corridors, and potable water demand calculations, identify potable potential facility route corridors and "backbone" facilities (i.e. water storage, pump stations and backbone mains) needed to serve the Northern area and connect to Mundelein water supply facilities. (Does not include evaluation of possible land acquisition associated with the identified route corridor.)

- Provide planning/concept level engineering opinion of probable construction cost for the "backbone" potable water facilities.
- Summarize results of the study in a report with maps of the Northern Area, potable water demands and conceptual stick line outlines of facilities.
- Cost comparison per linear foot for the extension of water from Gilmer Road and Route 176 to the Hawthorn Woods Country Club.

CLCJAWA DIRECT CONNECTION

Task 3 - Investigate the Parameters and Feasibility of Establishing a Direct Water Supply Connections with CLCJAWA

- Using the already established water demand and data from above, contact CLCJAWA to explore the parameters, limitations and constraints of establishing a direct supply connection from CLCJAWA.

ESTIMATED FEE

We estimate the Engineering Cost to provide this Scope of Work is not to exceed \$25,000.

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 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.

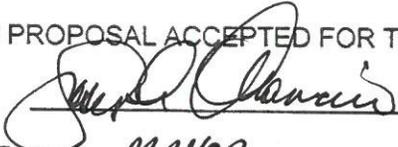
Please sign and return one copy of this agreement as an indication of acceptance and notice to proceed. Please feel free to contact us anytime.

Sincerely,



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

THIS PROPOSAL ACCEPTED FOR THE VILLAGE OF HAWTHORN WOODS:

BY:  _____

TITLE: MAYOR

DATE: February 27, 2017