

RESOLUTION

VILLAGE OF GILBERTS

**Resolution authorizing an engineering service work order with Baxter & Woodman for the Preliminary Design of the Water System Improvements for the BA/RA Pretreatment System Upgrade**

Be it Resolved by the President and Board of Trustees of the Village of Gilberts, Kane County, Illinois that:

**Section 1:**

The Village of Gilberts hereby authorizes the Village President and Village Clerk to execute an Engineering Service Work Order with Baxter & Woodman for the preliminary design of the Water System Improvements for the BA/RA Pretreatment System Upgrade, and such documents as are necessary and convenient to effectuate the professional service agreement as here by attached hereto and made a part hereof as Exhibit A as approved.

**Section 2:**

This resolution shall be in full force and in effect from and after its passage and approval pursuant to law.

Passed this 31<sup>st</sup> day of January, 2017 by a roll call vote as follows:

	<u>Ayes</u>	<u>Nays</u>	<u>Absent</u>	<u>Abstain</u>
Trustee Elissa Kojzarek	✓	_____	_____	_____
Trustee Dan Corbett	✓	_____	_____	_____
Trustee Nancy Farrell	✓	_____	_____	_____
Trustee Louis Hacker	_____	_____	✓	_____
Trustee David LeClerc	✓	_____	_____	_____
Trustee Guy Zambetti	✓	_____	_____	_____
President Rick Zirk	_____	_____	_____	_____

APPROVED THIS 31<sup>st</sup> DAY OF Jan, 2017

  
Village President, Rick Zirk



ATTEST:   
Village Clerk, Debra Meadows

**VILLAGE OF GILBERTS, ILLINOIS  
WATER SYSTEM IMPROVEMENTS  
BA/RA PRETREATMENT SYSTEM UPGRADE PRELIMINARY DESIGN  
ENGINEERING SERVICES  
WORK ORDER**

**ENGINEERS' PROJECT NO. 161088.00**

**Project Description:**

Provide engineering services for the preliminary design of the upgrades needed to the ion exchange waste barium/radium pretreatment process for the new Water Treatment Plant No. 2, being designed by Lintech, to meet new IEMA requirements and WTP capacity increase. These services are further detailed in Attachment A of this Work Order.

**Schedule:**

The above-described engineering services will begin upon receipt of this Work Order, approved by the Village of Gilberts. The schedule includes an estimated eight weeks to produce the preliminary design outlined in this Work Order.

**Compensation:**

The Owner shall pay the Engineer for the services performed or furnished a lump sum of \$9,000 for the preliminary treatment process design, equipment selection, and process layout (161088.00).

Submitted by: <b>Baxter &amp; Woodman, Inc.</b>	Approved: <b>Village of Gilberts, IL</b>
By:  John V. Ambrose, P.E.	By:  Rick Zirk
Title: <u>President / CEO</u>	Title: <u>Village President</u>
Date: <u>October 20, 2016</u>	Date: _____

**Additional Comments and Conditions:** None

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### **PROJECT DESCRIPTION**

Provide engineering services necessary to prepare a preliminary floor plan and scheme of operation, and building requirements for the Barium/Radium (Ba/Ra) Pretreatment System Upgrade which include; equipment selection, process floor layout, dumpster and disposal facilities, chemical storage and feed systems for settling ballast, diatomaceous earth filter pre-coat, and alum.

The upgraded system will meet current and anticipated IEMA-DNS requirements for handling and disposal of radium residuals as well as the anticipated doubling of the water treatment plant capacity.

### **Scope of Services**

The following scope of services details the anticipated tasks necessary to successfully complete this Project.

1. PRELIMINARY DESIGN DELIVERABLE
  - Review revised and new IEMA-DNS requirements and regulations for handling and disposal of ion exchange radium (TENORM) containing residuals as well as proposed water treatment plant capacity increase.
  - Prepare Basis of Design for the Ba/Ra Pretreatment System Upgrade.
  - Determine changes in equipment necessary to meet the new system capacity.
  - Make equipment selection based upon meeting with Village Staff; solicit size and costs.
  - Prepare preliminary floor plan for Village review.
  - Provide revised Preliminary Floor Plan for Village Staff records and future detailed design.
  - Prepare list of recommended equipment manufacturers, capacities, sizes, and weights for future detailed design.
2. GENERAL ADMINISTRATION – PROJECT MANAGEMENT, QA/QC, & MEETINGS
  - Provide Project Management Services including project coordination, production schedule, and budget control.
  - Meet with Village Staff to discuss scope of Project and solicit recommendations for equipment, location, and operation.

- Meet with Village Staff to review preliminary floor plan, building requirements, and discuss operation. Revise floor plan (if necessary) to meet Village requirements.
- Meet with Lintech (two meetings anticipated) to discuss building location and requirements.
- Coordinate Lintech suggestions with Village Staff. Make revisions as necessary.

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