

# Kimley»Horn

September 19, 2016

Mr. James Barnes, Assistant Village Manager  
Village of Wellington  
1100 Wellington Trace  
Wellington, FL 33414

**RE: *WWTF Digester & Blower Building***

Dear Mr. Barnes,

Enclosed are three originals of a work authorization to proceed with the design of two new digesters, a new Blower Building at the WWTF and new pole barn (for generator storage). As discussed, the structural design will be performed by the Village staff. We will coordinate accordingly as required. The intent will be to complete this project as soon as possible and negotiate a suitable change to the WWTP project, if possible. As such, there is some time urgency to commence efforts. To aid in your review we have also included a preliminary drawing list. A very preliminary estimated construction cost for this project is \$2,500,000.

Thank you for this opportunity. As always, we have done our best to minimize the engineering cost so the Village derives the benefit of our long-standing background with the plant and staff. Please let me know if anything further is required or if you have any questions.

Sincerely,



William D. Reese, P.E.  
Project Engineer

Enclosure

**VILLAGE OF WELLINGTON**  
**UTILITY ENGINEERING SERVICES WORK AUTHORIZATION**

***WWTP – Blower Building and Additional Digesters***

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This Work Authorization Kimley-Horn and Associates, Inc. to perform work related to the WWTP as set forth herein and is issued pursuant to the Agreement for Consulting Services, between Wellington (“Client” or “Village”) and Kimley-Horn and Associates, Inc. (“Kimley-Horn” or “Consultant”), dated February 9, 2016 (“Agreement”). All terms and conditions of said Agreement are hereby incorporated and made part of this Work Authorization.

**BACKGROUND**

The Client recently received bids and is ready to award a project that will make certain improvements to the WWTP. The Client desires to complete design efforts to add a new blower building and two aerobic digesters. The intent is that the construction of these items will be facilitated by negotiation of a change order to the other on-going project or by direct, conventional bid if a suitable price cannot be negotiated. The structural design of the blower building has already been completed by Client staff. Structural design of the new digesters (and finalization of the structural design for the Blower Building) will be completed by the Client.

**SCOPE**

The Consultant will complete the following specific tasks as required to design the improvements stated above.

1. Perform a site visit and meet with Owner to establish design requirements.
2. Identify the need for any required geotechnical work and coordinate with geotechnical firms to provide the required services. Geotechnical costs will be paid directly to the geotechnical firm by Client.
3. Identify any required surveying services and coordinate surveying services with surveyor chosen by Client. Surveying costs will be paid directly to surveyor by Clients.
4. Coordinate with Client’s staff as required to allow Client to perform all structural design work associated with the project.
5. Integrate structural design plans prepared by Client into the plan set.
6. Complete 60% design plans and specifications for submittal to the Village for review and comment.
7. Meet with the Village to review their comments and integrate into the plans.
8. Complete 90% design plans and specifications for submittal to the Village for review and comment.
9. Meet with the Village to review their comments and integrate into the plans.

10. Prepare an updated Opinion of Probable Construction Cost for the project.
11. Prepare 100% Construction Documents incorporating Village comments. Documents will be delivered in hard copy and electronic format (PDF, CAD, and MSWord, as applicable)
12. Prepare and submit the applicable Florida Department of Environmental Protection permit documents and serve as the Village's representative through the permitting process.
13. Deliver the final documents to the Contractor and assist the Client with negotiation of a change order to incorporate the digesters and Blower Building into the on-going project at the WWTP.

### **ADDITIONAL SERVICES**

Any services not specifically provided for in the above scope, as well as any changes in the scope requested by the Village, will be considered additional services to this Work Authorization and will be performed based on subsequent Work Authorizations approved prior to performance of the additional services.

### **INFORMATION AND SERVICES PROVIDED BY THE VILLAGE**

Kimley-Horn assumes that all information provided by the Village can be relied upon in the performance of professional services. The following information shall be provided to Kimley-Horn and/or the following services will be performed by the Village.

- Access to the Site
- Record Drawings and Data as requested and available
- Autocadd files with X Ref's for the structural design performed by the Client.

### **ASSUMPTIONS AND CLARIFICATIONS**

The fees stated in this Work Authorization are based on the following assumptions and clarifications:

1. The Owner will make available accurate as-built information concerning the existing facility relevant to the Consultant in preparation of his work product and as requested.
2. The Owner will pay for all applicable permitting and application fees directly to the permitting agencies.
3. Surveying and/or geotechnical services required for the design, as determined by the Consultant will be coordinated by the Consultant but associated costs for said services shall be paid directly to geotech firm and/or surveyor directly by Client.
4. The Client will provide any excavations required to confirm the vertical/horizontal location information of underground utilities needed to be located to facilitate the design.
5. Any asbestos/lead paint testing/surveys/reports that may be required pursuant to any demolition activities will be paid for directly by the Village.

6. The Consultant assumes, that FDEP will not require a separate permit for this project. The additions will be integrated into the project by virtue of a memo notifying FDEP of the additions and incorporating the changes into the record drawings.
7. The Consultant will provide construction phase services for the addition of the digesters, pole barn and Blower Building as part of the overall WWTP project after it is integrated into the project via change order. Should it become not possible to negotiate a suitable change order, the Consultant will provide construction phase services under a separate authorization if approved by the Client.

**SCHEDULE**

Kimley-Horn will complete the work set forth herein within 3 months after receipt of an executed Work Authorization and Purchase Order, exclusive of delays beyond the control of Kimley-Horn.

**COMPENSATION AND BILLING**

Kimley-Horn will perform the services set forth in the Scope of Services for the lump sum amount of \$149,750. Invoices will be issued monthly based on percent complete.

Accepted by:

Village of Wellington

Kimley-Horn and Associates, Inc.

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Anne Gerwig, Mayor

  
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Kevin Schanen, P.E., Vice President

Date: \_\_\_\_\_

Date: 9/20/16

**WWTF DIGESTER & BLOWER BUILDING**

**PLAN SHEET ESTIMATE**

SITE PLAN	2
GENERAL CIVIL	2
CIVIL DETAILS	1
STRUCTURAL	-
DEMOLITION	2
YARD PIPING	3
YARD PIPING DETAILS	1
MECHANICAL POLE BARN	2
MECHANICAL BLOWER RELOCATE	1
MECHANICAL BLOWER BUILDING	3
DEWATERING FEED PUMPS	2
MECHANICAL DETAILS	2
DIGESTER MECHANICAL	2
DIGESTER DETAILS	1
ELEC. SINGLE LINE	1
NEW MCC SINGLE LINE	1
SCHEMATICS	2
PANEL PLC LAYOUT	1
BON & NAME PLATES TERMINAL BLOCKS	1
ANALOG I/O DWG	1
DIGITAL INPUTS	2
DIGITAL OUTPUTS	2
BLOWER & DIGESTER LIGHTING & GROUNDING	2
POWER & CONTROL PLAN BLOWER BUILDING	1
SITE PLAN – YARD LIGHTING	1
CONDUIT & CABLE	1
INSTRUMENT LOOP	2
TOTAL SHEETS	<u>42</u>