

BOARD OF PUBLIC WORKS AND SAFETY (Form B-01-2012)
Agenda Request Form

Organizations and individuals are asked to submit a request form and supporting documents to be placed on the agenda. You will be contacted by the City confirming the date of the meeting in which your request will be heard. Please make sure that your contact information is accurate in case we need to get in touch with you. The Board of Works meets on the 1st and 3rd Monday of each month at 5:00 p.m. in City Hall located at 70 E. Monroe Street.

Date Submitted:	January 10, 2024	Meeting Date:	January 17, 2024
Contact Information:			
Requested by:	Mark Richards		
On Behalf of Organization or Individual:	Department of Planning & Engineering		
Telephone:	317-736-3631		
Email address:	mrichards@franklin.in.gov		
Mailing Address:	70 E. Monroe Street, Franklin, IN 46131		
Describe Request:			
Request for consideration and approval of design supplement for Wastewater Treatment Plant Expansion			
List Supporting Documentation Provided:			
Design Contract Supplement			
Who will present the request?			
Name:	Brent Siebenthal, Wessler	Telephone:	317-788-4551

In order for an individual and/or agency to be considered for new business on the Board of Works agenda, this reservation form and supporting documents must be received in the Mayor's office no later than 4:00 p.m. on the Wednesday before the meeting.

AMENDMENT NO. 1
TO
PROFESSIONAL SERVICES AGREEMENT
BETWEEN
CITY OF FRANKLIN, INDIANA
AND
WESSLER ENGINEERING, INC.
FOR

WASTEWATER TREATMENT PLANT EXPANSION

THIS AMENDMENT NO. 1 to existing PROFESSIONAL SERVICES AGREEMENT, entered into by and between the City of Franklin, Indiana (hereinafter named OWNER) and Wessler Engineering (hereinafter named CONSULTANT) dated February 6, 2023:

WITNESSETH THAT

WHEREAS, the CONSULTANT provided Professional Services to the OWNER for a Preliminary Engineering Facilities Plan dated September 2023 for the **Wastewater Treatment Plant Expansion** (PROJECT), more particularly described in the Agreement; and

WHEREAS, the OWNER desires to proceed with the design phase of the PROJECT; and

WHEREAS, the CONSULTANT has expressed a willingness to provide design phase services and agrees to furnish these services as described in this Agreement for the above-described PROJECT; and

NOW THEREFORE, in consideration of the mutual promises herein contained, the parties hereto mutually covenant and agree as follows:

**EXHIBIT 1 – SCOPE OF PROFESSIONAL SERVICES - BASIC SERVICES
SHALL BE AMENDED AS FOLLOWS:**

ADD the following Articles B and C:

CONSULTANT shall provide the following Professional Services associated with the Scope of Project described in Attachment 1:

B. Design Phase

After indication by OWNER of any specific modifications or changes in the scope, extent, character, or design requirements of the PROJECT desired by OWNER, CONSULTANT shall provide the services listed below.

1. Prepare for and conduct a kick-off review meeting with the OWNER to confirm the OWNER's objectives and the CONSULTANT's approach. This meeting will be used to

- review and verify the scope of work, clarify responsibilities and how information exchange will be managed between the OWNER and CONSULTANT, and will provide both parties the opportunity to discuss design related issues and agree upon the final design criteria.
2. Provide field survey and topographic and utility mapping for design purposes. Utility mapping in public right-of-way will be based upon information obtained from utility owners.
 3. Coordinate with the geotechnical consultant on soil boring locations and depths, and review the Geotechnical Evaluation report. The geotechnical consultant shall be contracted directly with the Owner.
 4. Prepare up to two (2) project renderings of the proposed facility on 24"x 36" foamboard for OWNER's use.
 5. Prepare 30% Preliminary Design Phase documents consisting of final design criteria, preliminary site plan, preliminary plan drawings, and 30% Design Opinion of Probable Construction Cost. Prepare for and attend a 30% Design Review meeting. This meeting will include a presentation and discussion of the 30% Design documents. The format of the meeting will be to include sufficient presentation materials so that each item can be adequately reviewed and decisions made by the OWNER on how to proceed with 60% Design documents.
 6. Advise OWNER if additional reports, data, information, or services are necessary and assist OWNER in obtaining such reports, data, information, or services.
 7. Based on the recommendations determined in the 30% Preliminary Design Phase, and after indication by OWNER of any specific modifications or changes in the scope, extent, character, or design requirements of the PROJECT desired by OWNER, CONSULTANT shall proceed with 60% Design Phase.
 8. Prepare 60% Design Phase documents incorporating the final design criteria and preliminary plan drawings. Prepare for and attend a 60% Design Review meeting. This meeting will include a presentation and discussion of the 60% Design documents. The format of the meeting will include sufficient presentation materials so that each item can be adequately reviewed and decisions made by the OWNER on how to proceed with 90% Final Design documents.
 9. Advise OWNER if additional reports, data, information, or services are necessary and assist Owner in obtaining such reports, data, information, or services.
 10. At no later than the 60% Design Phase document submittal, participate in one (1) structured independent review process, such as independent cost estimating, project peer review, or value engineering, requested by OWNER; and cooperate with independent firm(s) working with the OWNER to perform value engineering and/or cost estimating studies for the PROJECT.
 11. Prepare 90% Design Drawings and Specifications indicating the scope, extent, and character of the Work to be performed and furnished by Contractor. Specifications shall conform to the 16-division format of the Construction Specifications Institute.
 12. Advise OWNER of any adjustments to the Opinion of Probable Construction Cost known to CONSULTANT.
 13. Prepare and furnish review copies of the 90% Design Drawings and Specifications and any other deliverables to OWNER, and review them with OWNER, its legal counsel, and other advisors. Within 15 days of receipt, OWNER shall submit to CONSULTANT any comments and instructions for revisions.
 14. Revise the 90% Design Drawings and Specifications in accordance with comments and instructions from the OWNER, as appropriate, and submit final copies of 100% Design

Documents, a revised Opinion of Probable Construction Cost, and other deliverables to OWNER within 30 calendar days after receipt of 90% review comments and instructions from OWNER.

15. CONSULTANT's services under the Design Phase will be considered complete on the date when the 100% Design Documents have been delivered to OWNER.
16. In the event that the Work designed or specified by CONSULTANT is to be performed or furnished under more than one prime contract, or if CONSULTANT's services are to be separately sequenced with the work of one or more prime Contractors (such as in the case of fast-tracking), OWNER and CONSULTANT shall, prior to commencement of the 90% Design Phase, develop a schedule for performance of CONSULTANT's services during the Final Design, Bidding or Negotiating, Construction, and Post-Construction Phases in order to sequence and coordinate properly such services as are applicable to the work under such separate prime contracts.
17. The number of prime contracts for Work designed or specified by CONSULTANT upon which the CONSULTANT's compensation has been established under this Agreement is one (1). If more prime contracts are awarded, CONSULTANT shall be entitled to an equitable increase in its compensation under this AGREEMENT.

C. Permitting Assistance

Preparation of reports, drawings, exhibits and applications for obtaining permits from regulatory agencies having jurisdiction over the PROJECT. Permits are anticipated to be required for the following:

1. Indiana Department of Environmental Management (IDEM)
2. Wastewater Treatment Plant Construction Permit from the Office of Water Quality.
3. Construction Site General Permit (CSGP – formerly “Rule 5”) – includes site drainage calculations and design of Best Management Practices (BMP) to meet the City's post-construction requirements. BMPs are anticipated to include swales and native plantings.
 - a. 401/404 Wetland permit with wetlands delineation to verify if wetlands are present. Wetlands mitigation also includes related permits required by IDEM and the U.S. Army Corps of Engineers. If there is more than 0.1 acre of wetland disturbance, a jurisdictional determination and/or agency coordination for wetland mitigation may be required and will be performed as an Additional Service.
4. Indiana Department of Natural Resources (DNR)
 - a. Construction in a Floodway Permit – floodway modeling is not anticipated and not included. If DNR determines modeling is required due to floodway impacts from this project or other projects occurring in the area, modeling will be performed as an Additional Service. Currently, the anticipated time frame to obtain a DNR permit is five (5) months from submittal of application.
5. Indiana Department of Homeland Security Construction Design Release.
6. Local Building Permit.
7. Local/County Drainage permit or coordination for floodplain impacts.

CONSULTANT's services under Permitting Assistance will be considered complete on the date when the required permits have been obtained and delivered to OWNER.

D. Bid Assistance

1. After acceptance by OWNER of the Bidding Documents and upon authorization by OWNER to proceed, ENGINEER shall:
 - a. Assist OWNER in advertising for and obtaining bids for the Work and, where applicable, maintain a record of prospective bidders to whom Bidding Documents have been issued, and attend pre-Bid conference, if any.
 - b. Respond to Bidder questions and issue Addenda as appropriate to clarify, correct, or change the Bidding Documents.
 - c. Consult with OWNER as to the acceptability of subcontractors, suppliers, and other individuals and entities proposed by prospective contractors for those portions of the Work as to which such acceptability is required by the Bidding Documents.
 - d. Attend the Bid opening, prepare Bid tabulation sheets, and assist OWNER in evaluating Bids and in assembling and awarding a contract for the Work.
2. The Bidding Phase will be considered complete upon execution of the Agreement with the Contractor or upon cessation of negotiations with prospective contractors.

EXHIBIT 1 - ADDITIONAL PROFESSIONAL SERVICES SHALL BE AMENDED AS FOLLOWS:

ADD the following:

- O. Providing models for OWNER's use.
- P. Services resulting from OWNER's request to evaluate additional Study and Report Phase alternative solutions beyond those identified in the approved Engineering Report or prior Studies.
- Q. Destructive or invasive structural investigation to uncover suspected hidden structural deficiencies.
- R. Preparing for, coordinating with, participating in and responding to structured independent review processes, including, but not limited to, construction management, cost estimating, project peer review, value engineering, and constructability review requested by OWNER; and performing or furnishing services required to revise studies, reports, Drawings, Specifications, or other Bidding Documents as a result of such review processes, beyond those described above under Basic Services.
- S. Preparation of reports, drawings, exhibits and applications for obtaining an IDEM Anti-Degradation Demonstration.
- T. Services attributable to more prime construction contracts than specified in Article B.14 of this Agreement.

**EXHIBIT 3 – COMMENCEMENT OF SERVICES AND SCHEDULE
SHALL BE AMENDED AS FOLLOWS:**

ADD the following Articles B and C:

B. Design Phase

<u>Task</u>	<u>Time After NTP</u>
Project kick-off meeting	21 days
Field survey and geotechnical evaluation report	60 days
30% Preliminary Design submittal	150 days
60% Design submittal	225 days
90% Design submittal	300 days
Permit Application submittal	330 days
100% Design submittal	30 days after receipt of permits

C. Permitting Assistance

Permit applications will be submitted after the 90% Design submittal and review meeting with the OWNER at the time indicated above. The permit anticipated to require the longest review and processing time is the DNR Construction in a Floodway permit which is currently estimated to be five (5) months from submittal of the application.

**SECTION IV – COMPENSATION
SHALL BE AMENDED AS FOLLOWS:**

ADD the following to Article 1:

<u>Article</u>	<u>Component</u>	<u>Fee</u>
B	Design	\$1,680,000.00
D	Bidding Assistance	\$90,000.00

ADD the following to Article 2:

<u>Article</u>	<u>Component</u>	<u>Estimated Fee</u>
C	Permitting Assistance	\$45,000.00

All other terms and conditions contained in the Professional Services Agreement shall remain unchanged and continue in full force and effect.

This Professional Services Agreement Amendment may be executed in counterparts, each of which shall be deemed to be an original, and all such counterparts together shall constitute one and the

same Agreement. A telecopied, electronic, or facsimile signature shall be equivalent to and as binding as an original signature.

IN WITNESS WHEREOF the parties have made and executed this AGREEMENT this ____ day of _____, 2024.

**CONSULTANT
WESSLER ENGINEERING, INC.**

**OWNER
CITY OF FRANKLIN, INDIANA**

Martin A. Wessler, P.E.
CEO

Honorable Steve Barnett, Mayor
Board of Public Works & Safety

Attest: 

Gary L. Ruston, P.E., BCEE
Senior Project Manager

Attest: _____
Jan Jones, Clerk-Treasurer

Date: January 4, 2024

Date: _____

ADDRESS FOR GIVING NOTICE:
Wessler Engineering
6219 S. East Street
Indianapolis, IN 46227

ADDRESS FOR GIVING NOTICE:
City of Franklin, Indiana
70 E. Monroe Street
Franklin, Indiana 46131

Attachments: Attachment No. 1 to Exhibit 1 – Scope of Project

GLR/dmk Y:\02 PROPOSALS\Franklin\P03523\Design-Permits\Amendment 1

ATTACHMENT No. 1
to EXHIBIT 1
Scope of Project for WWTP Expansion

1. Scope of Project includes an expansion of the existing 5.13 MGD wastewater treatment plant to a Design Average Flow (DAF) of 7.5 MGD and Peak Hourly Flow (PHF) of 20 MGD as described in the Preliminary Engineering Facilities Plan dated September 2023.
2. **EXISTING MAIN PUMP STATION**
 - A. Replace four (4) raw sewage pumps and VFDs for peak flow of 20 MGD
 - B. Add new 2-pump submersible low-flow pump station with VFDs adjacent to existing wet well
 - C. Associated electrical upgrades
3. **EXISTING SCREENINGS BUILDING**
 - A. Add a new third vortex grit removal system, new grit classifier, and new grit pumps
4. **EXISTING OXIDATION DITCHES**
 - A. Demolish existing turbine aerators and replace with diffused aeration and blowers for increased ammonia-nitrogen loading along with submersible mixers
5. **NEW OXIDATION DITCH**
 - A. Add a new third oxidation ditch similar to the existing but with the improvements listed in Item 4 above
 - B. New Blower Building to house three (3) turbo blowers for the oxidation ditch aeration systems
6. **SECONDARY CLARIFIERS**
 - A. New fourth Secondary Clarifier to match the design of the existing secondary clarifiers.
7. **SECONDARY CONTROL BUILDING**
 - A. Replace the existing RAS pumps
 - B. New RAS pumps and VFDs for the new fourth secondary clarifier
 - C. New Non-Potable Water pump skid and filter
 - D. Associated piping and valve modifications
8. **EXISTING UV STRUCTURE**
 - A. Expansion of the existing UV system to a design PHF of 20 MGD
 - B. Replace the existing Non-Potable Water pumps
9. **PLANT OUTFALL**
 - A. Add a second effluent pipe for the PHF of 20 MGD
10. **ATAD SYSTEM EXPANSION**
 - A. Two (2) new ATAD Reactor tanks
 - B. New ATAD equipment for the new ATAD Reactor tanks including pumps, blowers and instrumentation
 - C. Convert existing ATAD Reactor tanks to Storage Nitrification/Denitrification Reactors (SNDR)
 - D. New piping and valves and modifications associated with the above

**ATTACHMENT No. 1
to EXHIBIT 1
Scope of Project for WWTP Expansion**

11. BIOSOLIDS DEWATERING IMPROVEMENTS

- A. Evaluation of new Volute Press Dewatering versus new Centrifuge to replace one (1) existing belt filter press
- B. Design of new dewatering system based on the results of the evaluation
- C. Improvements to sludge dewatering system, pumps, and polymer systems as determined necessary for the new sludge dewatering equipment

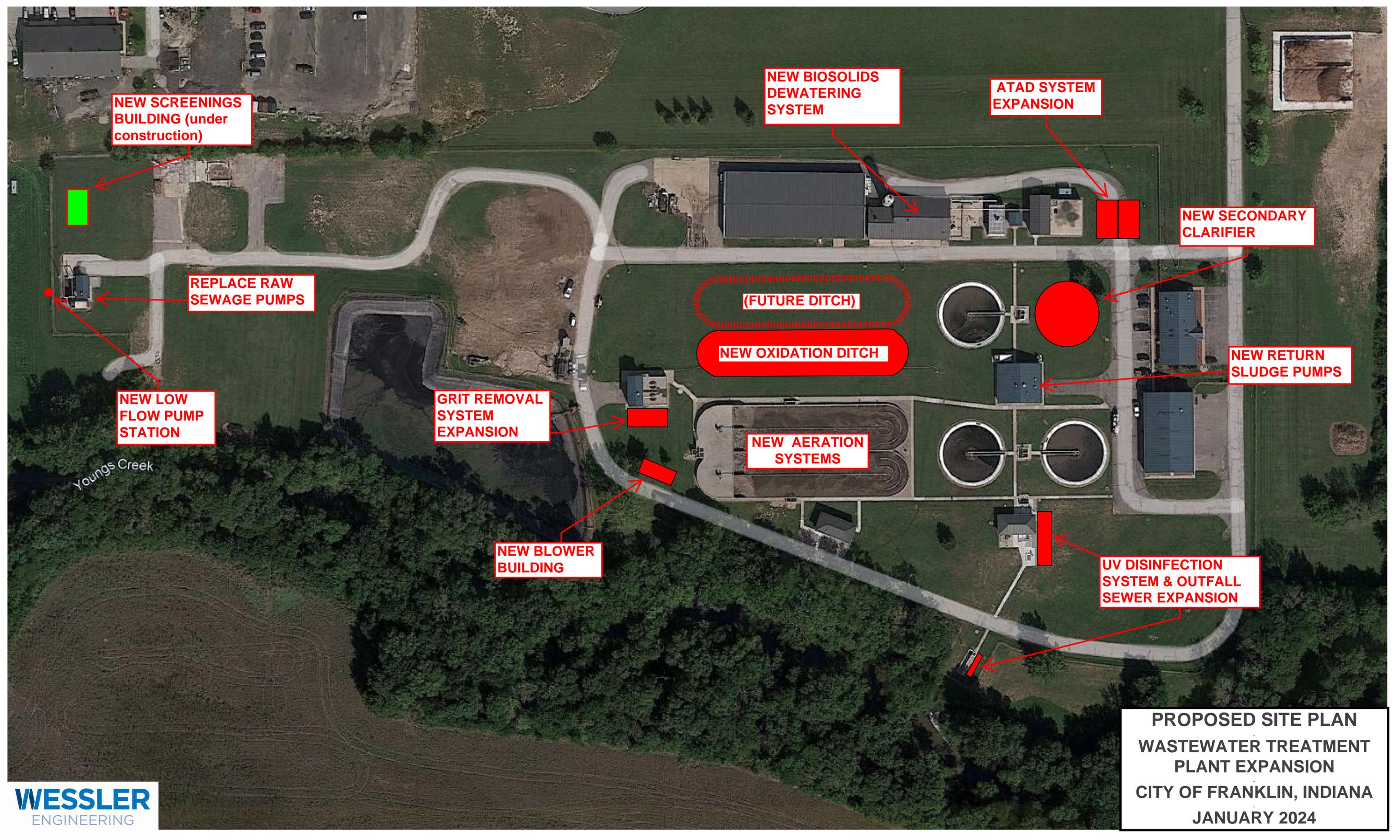
12. BIOSOLIDS STORAGE BUILDING IMPROVEMENTS

- A. Improvements and modifications to the existing Building to improve the efficiency and capabilities of handling the dewatered biosolids

13. MISCELLANEOUS

- A. Electrical and I&C associated with the above items
- B. Yard Piping associated with the above items
- C. Site Work associated with the above items, including paving, sidewalks, fencing, drainage, and regrading
- D. Coatings, Labeling, Signage associated with above items
- E. SCADA system improvements associated with the above

END



NEW SCREENINGS BUILDING (under construction)



NEW BIOSOLIDS DEWATERING SYSTEM

ATAD SYSTEM EXPANSION

NEW SECONDARY CLARIFIER

REPLACE RAW SEWAGE PUMPS

(FUTURE DITCH)

NEW RETURN SLUDGE PUMPS

NEW LOW FLOW PUMP STATION

NEW OXIDATION DITCH

GRIT REMOVAL SYSTEM EXPANSION

NEW AERATION SYSTEMS

Youngs Creek

NEW BLOWER BUILDING

UV DISINFECTION SYSTEM & OUTFALL SEWER EXPANSION

**PROPOSED SITE PLAN
WASTEWATER TREATMENT
PLANT EXPANSION
CITY OF FRANKLIN, INDIANA
JANUARY 2024**