

AMENDMENT NO. 3  
TO  
AGREEMENT FOR ENGINEERING SERVICES  
BY AND BETWEEN

TOWN OF LEDYARD, CONNECTICUT  
AND  
WESTON & SAMPSON ENGINEERS, INC.  
FOR

LEDYARD CENTER SEWER (BID #2021-03)

The AGREEMENT for Ledyard Center Sewer (Bid #2021-03) made on the April 22, 2021 by and between the Town of Ledyard, Connecticut acting through its Mayor, hereinafter called the OWNER, and Weston & Sampson Engineers, Inc., with offices at 712 Brook Street, Suite 103, Rocky Hill, Connecticut, hereinafter called the ENGINEER is hereby amended in accordance with the provisions of said AGREEMENT.

The engineering services in this task amendment consists of the design of a low-pressure sewer extension from Colonel Ledyard Highway, north Fairway Drive and then east along Colby Drive, as requested by the OWNER. This amendment is issued to incorporate the following changes:

ARTICLE 2 - SERVICES OF THE ENGINEER is hereby amended as follows:

Immediately following Article 2.16, add the following new subsections to the contract:

2.17. Wetland Delineation (Sewer on Fairway)

1. Wetland limits will be identified and flagged for used in determining work within the upland review area areas. Based on preliminary review, there is a small freshwater wetland area adjacent to Fairway Drive north of the fire station.
2. Specifically, the freshwater wetlands and watercourses will be delineated, and soil series will be identified for the limits identified above. The wetlands will be identified by Connecticut criteria. "Soil Taxonomy" (USDA Handbook 436, Rev 1999), NRCS Web Soil Survey and available maps will be used. Soil borings will be dug with a soil auger to a depth of 2 to 4 feet to conduct this study.
3. A field map showing approximate wetland flag locations will be prepared. A Wetlands Report will not be prepared for this project because construction disturbances will be located within the existing paved roadway.

2.18. Soil Borings (Sewer on Fairway)

1. Up to 5 days of test probes and borings shall be provided, consisting of: 25@ 10-foot deep probes, 12@ 10-foot deep split spoon samples with blow counts – along Fairway and Colby Drive.
2. One day to mark-out the proposed locations of the borings/probes for Call Before You Dig.

3. ENGINEER will be present during the subsurface exploration to record the encountered conditions. The soil boring logs will be prepared for inclusion into contract bid documents and for the use with the design.
4. Traffic control is not anticipated, but can be billed separately to the Town at the direct cost with no markup.

2.19. Surveying (Sewer on Fairway)

1. The survey will record topographic and planimetric information accessible utilities and current existing feature conditions. The existing condition survey within the limits identified above will locate the following.
2. Temporary benchmarks will be set at approximately 500 feet intervals on the site and will be included on the plan.
3. Underground utilities with surficial structures (i.e., hydrants, manholes, grates, catch basins, hand holes, valve boxes, utility poles, transformers, and risers) for water, gas, sewer, drainage, electrical, telephone within the survey limits.
4. Measured inverts and pipe sizes will be recorded for storm and sanitary structures where possible.
5. Field survey presumptions regarding the scope and fee proposed herein include:
  - a. ENGINEER reserves the right to negotiate extra work fees for effort that may be required to confirm specifics about boundary, easements, rights-of-way, elevation, or sub surface utilities that may arise from the client or client's review of the initial map produced under the initial defined scope of services.
  - b. Real-time kinetic (RTK) GPS methods will be available to establish field control.
  - c. Traffic control (if necessary) to obtain invert data will be provided by the Town of Ledyard
  - d. Water, storm, and sanitary as-built mapping will be provided by OWNER.

2.20. Sewer Route Design (Sewer on Fairway)

1. Develop plan and profile sewer design drawings along Fairway and Colby Drive from survey information. The design will extend a 4-inch HDPE low pressure sewer (LPS) along Fairway Drive and a 2.5-inch LPS along Colby Drive. Design will be prepared as a dedicated set of construction documents (plan set and technical specifications, but no front-end contract requirements) separate from the multi-use pathway project.
2. Field Visit – Conduct a field visit to inspect the condition of the existing site features, review project area and potential utility conflicts, and prepare a photo log (as needed).
3. Existing Data – Review existing data provided by the municipality and the utilities, including street line mapping, utility locations, construction and as-built plans of the roadway and existing sewer force main.
4. Preliminary Design Plans – Prepare preliminary plans to consist of:
  - a. Cover Sheet (1 sheet)
  - b. Sedimentation and Erosion Control Plan (1 sheet)
  - c. Plan and Profiles (2 sheets)

- d. Construction Detail Sheets (up to 3 sheets)
  - 5. Preliminary Design Submission – Assemble and submit all the plans and estimates generated during the Preliminary Design phase.
  - 6. Resolve Preliminary Design Comments – Attend one preliminary design review meeting to discuss and resolve questions or comments that arise. Identify permit requirements and make initial contact (as needed).
  - 7. Coordination For Property Rights – None anticipated
  - 8. Drainage Analysis – None anticipated.
  - 9. Public Information Meeting – None anticipated.
  - 10. Quantity Estimate and Cost Estimate – Prepare an estimate of the quantities of all major items of construction. Develop an estimate of probable construction cost for the project based on the estimated quantities and unit prices.
  - 11. Technical Specifications – Reuse existing technical specifications that have been incorporated into the multiuse pathway construction project. A technical specification will be prepared for the odor control system.
  - 12. Final Design for Review – Assemble and submit the drawings, estimate, and technical specifications generated during final design.
  - 13. Final Submission – Package and submit certified plans, estimate, and technical specifications to the for administrative review.
  - 14. CTDOT District Coordination – None anticipated.
- 2.21. SCWA Review (Sewer on Fairway)
- 1. Submit progress design plans to utilities for review. Schedule and facilitate up to one on-site or virtual utility meeting.
  - 2. Identify potential conflicts and proposed test pit locations, if any, to be conducted by the contractor during construction.
  - 3. Address minor comments including coordination meetings with the utility.
- 2.22. Permitting (Sewer on Fairway)
- 1. Prepare and submit local inland wetland permit and prepare demonstration material and present project at up to two in-person commission meetings to present the project. The proposed pipe alignment along Fairway Drive (under the existing paved roadway) will be within the upland review area of adjacent wetlands.
  - 2. Coordinate with CTDEEP Wildlife. Prepare and provide to CTDEEP to review endangered species within the project site. Correspondence with CTDEEP to include recommendations.
  - 3. Preparation of an Archaeological Review for the State Historical Preservation Office is not included as part of this scope.
  - 4. Town/State permitting fees will be paid for directly by the Town.

ARTICLE 4 - TIME OF PROJECT is hereby amended as follows:

Append Article 4.1 to add the following:

The ENGINEER agrees to start the work of Task 2.17 thru 2.22 within 14 calendar days of authorization and complete the work within 150 calendar days thereafter (weather permitting).

ARTICLE 5 - PAYMENTS TO THE ENGINEER is hereby amended as follows:

A. Append to Table 5.1 with the following:

Table 5.1			
TASK	DESCRIPTION	FEE TYPE	FEE
2.17	Wetland Delineation (Sewer to Fairway)	Lump Sum	\$6,000
2.18	Soil Borings (Sewer to Fairway)	Lump Sum	\$22,000
2.19	Surveying (Sewer to Fairway)	Lump Sum	\$21,000
2.20	Sewer Route Design (Sewer to Fairway)	Lump Sum	\$39,000
2.21	SCWA Utility Review (Sewer to Fairway)	Hourly	\$8,000
2.22	Permitting (Sewer to Fairway)	Hourly	\$12,000
		INCREASE OF FEE:	\$ 108,000

B. Hourly tasks will be billed at employee hourly rate with 3.3 a multiplier.

AMENDMENT NO. 3  
TO  
AGREEMENT FOR ENGINEERING SERVICES  
BY AND BETWEEN

TOWN OF LEDYARD, CONNECTICUT  
AND  
WESTON & SAMPSON ENGINEERS, INC.  
FOR

LEDYARD CENTER SEWER (BID #2021-03)

IN WITNESS WHEREOF, the parties hereto have executed this AMENDMENT NO. 3  
this 26th day of July, 2024.

**ACCEPTED FOR:**

TOWN OF LEDYARD, CT

WESTON & SAMPSON ENGINEERS, INC.

By:

By:

\_\_\_\_\_  
*Signature*

  
\_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Printed Name*

Robert Tedeschi, P.E. – Associate  
\_\_\_\_\_  
*Printed Name*

\_\_\_\_\_  
*Date*

7/26/2024  
\_\_\_\_\_  
*Date*