

**Modification #1 to the Professional Services  
Agreement #21008 for Lake County**

This first contract modification (“Modification #1”) is between the County of Lake, Illinois, an Illinois body politic and corporate (“County”), and Donohue & Associates, Inc. d/b/a (“Consultant”) and relates to the parties’ *Professional Services Agreement* (“Services”).

**RECITALS**

Whereas:

- a. On January 19, 2021, the Parties entered into a *Professional Services Agreement* (“PSA”) for Engineering Services for the Saunders Road Sanitary Sewer, Lift Station and Force Main Improvements Project in accordance with the Local Government Professional Services Selection Act, 50 ILCS 510/1 et. Seq.
- b. Under the terms of the agreement, Consultant began services on January 19, 2021.
- c. Under its initial terms, the PSA anticipated the Consultant to perform preliminary engineering services for the Saunders Road Sanitary Sewer, Lift Station and Force Main Improvements Project, see Attachment A to Agreement #21008.
- d. Under initial terms of the PSA, topographic survey was included for one-half of the public right-of-way width along the anticipated sanitary sewer route as a part of preliminary engineering. Change Order #1, in the amount of \$9,000, was processed on May 18, 2021 for additional survey work for preliminary engineering to cover the entire public right-of-way width along the anticipated sanitary sewer route.
- e. This first contract modification is a request for additional preliminary engineering services for the Saunders Road Sanitary Sewer, Lift Station and Force Main Improvements Project in accordance with the scope described on Attachment A. Additional preliminary engineering services are needed to consolidate the LCPW sewer system to one side of the Saunders Rd right-of-way between Duffy Ln and West Course Dr and to evaluate alternative force main alignments through the Deerfield Rd and Saunders Rd intersection. The preliminary design completion date shall be amended to December 31, 2021.
- f. Further contract modification will be necessary for future final design and construction engineering services for the Saunders Road Sanitary Sewer, Lift Station and Force Main Improvements Project.

**In light of the foregoing, the parties now agree as follows:**

1. **Incorporation of Recitals; Capitalized Terms.** The recitals above are incorporated into the body of this Agreement, as if set forth here in their entirety. Capitalized terms used and not otherwise defined herein shall have the meanings given to such terms in the *Professional Services Agreement*.

2. **Counterparts.** The parties may sign this Modification #1 in several counterparts, each of which will be deemed an original but all of which together will constitute one instrument.

3. **Effective Date.** The "Effective Date" of this Agreement is October 12, 2021, the date of the October County Board Meeting. The date of the signatures on this agreement are an acknowledgment of the approval by the Board.

4. **Agreement Price.** The County will pay the Consultant an additional fee of \$53,810 for a total amount not to exceed \$148,710 to complete the tasks outlined in Change Order #1 and Consultant's proposal Attachment A received September 16, 2021.

**Signed:**

**COUNTY OF LAKE:**

**CONSULTANT:**

Donohue & Associates, Inc.

By: \_\_\_\_\_

Name: RuthAnne K. Hall  
Its: Purchasing Agent

By:  \_\_\_\_\_

Name: Eric Cockerill  
Title: Vice President

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

Date: 9/23/2021

# ATTACHMENT A

## AGREEMENT 21008 Modification #1

### PRELIMINARY DESIGN FOR SAUNDERS ROAD SANITARY SEWER, LIFT STATION, AND FORCEMAIN IMPROVEMENTS

#### Modification #1 SCOPE OF SERVICES and FEE

The following presents the scope of services and fee for Modification #1 to Agreement 21008 of the Sanitary Sewer System Modeling and Capacity Analysis Project. Agreement 21008 is a preliminary design project for recommended improvements identified in Donohue's Saunders Road Sanitary Sewer Capacity Analysis Report dated July 10, 2020. The change is required to accommodate the following:

- A request from the Village of Riverwoods to have LCPW consolidate its sewer system upstream of the proposed lift station to Duffy Lane to allow space for a future Village of Riverwoods watermain (see attached letter from the Village). The scope of services includes preliminary modeling to assess required size and slope, review of sanitary service information for design of reconnections, layout of the proposed sewer, and preparation of plans for inclusion in the preliminary design submittal.
- Consideration of an alternative forcemain alignment that avoids construction through the intersection of Deerfield Rd and Saunders Rd, a major traffic thoroughfare with significant utility congestion.
- Preparation of a revised Design Basis Report incorporating gravity sewer redesign and additional forcemain alternative investigations and evaluations.
- Additional project administration related to the expected project time extension.

#### 6.0 Modification #1 Scope of Services (See Fee Attached)

##### 6.01 Redesign of Gravity Sewer

- 6.01.1 Review tap cards and video inspection records provided by LCPW for services connected to the existing gravity sewers. Develop approach and incorporate reconnections into design.
- 6.01.2 Utilize existing model to confirm feasibility of consolidation of sewers and determine required size and slope of sewer. Perform QC review of results.
- 6.01.3 Based on recommendations from the modeling task above, prepare preliminary design layouts for internal review. Perform QC review of layout and prepare design for inclusion in preliminary plans for submittal to LCPW.

##### 6.02 Forcemain Alternative Investigation and Evaluation

- 6.02.1 Perform a topographic survey (see attached TerraTec proposal) of the alternative alignment. Include sufficient area to accommodate two parallel forcemains. Survey to include title searches and easement identification, as well as a site visit by engineering staff.
- 6.02.2 Complete an assessment of the proposed alternative alignment and compare with the previous two alternatives considered. Evaluate each of the three alternatives including cost, property/easement requirements, impacts to the public, permitting requirements, and access/constructability. Prepare a comparison matrix and indicate a recommended alternative. Conduct a workshop to present and discuss the evaluation with LCPW.

**6.03 Revised Design Basis Report (DBR)**

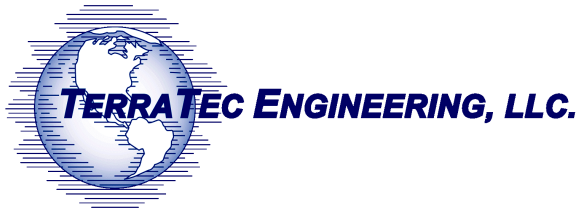
- 6.03.1 Prepare a revised Design Basis Report incorporating the results of the preceding tasks and other conclusions and directions from LCPW resulting from the DBR workshop and subsequent meetings with LCPW and LCDOT.
- 6.03.2 Provide quality review of the DBR and submit to LCPW at the same time as the draft Preliminary Drawings.

**6.04 Project Administration**

- 6.04.1 Perform project administrative tasks for the estimated 6 month project time extension.
- 6.04.2 Attend regular progress meetings during project time extension.

**Modification #1 Attachment A**  
**PRELIMINARY DESIGN FOR SAUNDERS ROAD SANITARY SEWER, LIFT STATION, AND FORCEMAIN IMPROVEMENTS**  
**Fee Estimate Summary**  
**Donohue & Associates**

Task Description	Cassity	Shadrake	Sticklen	Hixon	Madrid	Erickson	Rivera	Lockerbie	Farrer	Sharpe	Total Hours	Total Labor	Travel	Printing & Mailing/Fee	Sub consultants	Total Cost	Subtotals
	ENG VII	ENG VII	ENG V	ENG 1	ENG III	ENG IV	ENG II	ENG II	ENG VI	Admin III							
	\$ 215	\$ 215	\$ 180	\$ 115	\$ 145	\$ 165	\$ 130	\$ 130	\$ 195	\$ 80							
<b>1 Project Management</b>																	<b>\$ 5,320</b>
<b>2 Design Basis Report</b>																	<b>\$ 23,440</b>
<b>3 Topographic Survey and Geotechnical Investigations</b>																	<b>\$ 37,720</b>
<b>4 Preliminary Design</b>																	<b>\$ 28,420</b>
<b>5 Additional Survey (CO#1)</b>																	<b>\$ 9,000</b>
<b>6 Modification #1</b>																	<b>\$ 44,810</b>
6.01 Gravity Sewer Realignment																	
Review Service Tap Cards and Tapes					12						12	\$ 1,740					\$ 1,740
Modeling		2	6	12							20	\$ 2,890					\$ 2,890
Sewer Design and Abandonment		2			30						32	\$ 4,780	\$ 150				\$ 4,930
6.02 Forcemain Alternative Routes Evaluation																	
Survey and Site Visit		2			16						18	\$ 2,750	\$ 150	\$ 590	\$ 11,800		\$ 15,290
Alternative Analysis		2	2	4	24						32	\$ 4,730					\$ 4,730
Workshop		2			6						8	\$ 1,300					\$ 1,300
6.03 Preparation of Revised Design Basis Report	2	2			18	2	2	2	2		30	\$ 4,710		\$ 100			\$ 4,810
6.04 Project Administration for Time Extension		24			24					6	54	\$ 9,120					\$ 9,120
<b>Total</b>	2	36	8	16	130	2	2	2	2	6	\$ 206	\$ 32,020	\$ 300	\$ 690	\$ 11,800	\$ 44,810	\$ 148,710
<b>Total Labor Dollars by Staff</b>	\$ 430	\$ 7,740	\$ 1,440	\$ 1,840	\$ 18,850	\$ 330	\$ 260	\$ 260	\$ 390	\$ 480							<b>USE =&gt; \$ 148,710</b>



W67 N222 Evergreen Blvd., Suite 205  
Cedarburg, Wisconsin 53012  
Tel.: 262.377.9905  
Fax: 262.375.1958

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September 14, 2021

Mr. Paul Shadrake, PE  
Donohue & Associates, Inc.  
230 West Monroe Street, Suite 2925  
Chicago, Illinois 60606

Re: Additional Saunders Road Survey  
TerraTec Project No. P2103017

Dear Mr. Shadrake:

TerraTec Engineering, LLC (TerraTec) is pleased to provide this surveying services proposal to Donohue & Associates, Inc. (Donohue) for the above referenced project. The project task is to perform a topographic survey for the design of new utilities in Lake County, Illinois. The topographic survey is to be used to prepare a base map for use in design plans.

The limits of the survey are shown in the attachment (entitled Saunders Road Additional Survey) to your e-mail dated September 10, 2021. The alignment length of the survey is approximately 1,000 feet, of which approximately 350 feet is the Deerfield right-of-way and approximately 650 feet of parcel (non right-of-way land) roadway. The non right-of-way alignment centerline includes three different properties (tax identification numbers 1631100003, 161100032, and 1631100032). The offset of the alignment impacts the following properties (163100003, 1631100031, 1631101046, 1631101048 and 1631101049).

TerraTec will perform the following activities:

- Task 1 – Topographic Survey & Map
- Task 2 – Informational Commitment Titles
- Task 3 – Easement Identification & Map

#### Task 1 – Topographic Survey

TerraTec will perform the following activities:

- Contact J.U.L.I.E. to mark utilities and obtain electronic mapping.
- Perform topographic survey, which shall include surface types (i.e., concrete pavement, asphalt pavement, and grass), surface structures, trees (note if tree grouping – the tree line will be surveyed and trees larger than 8-inch in diameter will be located), observable property corners monuments/pins, measure downs and rims of sanitary/storm sewer structures, and top of valve and top of pipe elevations at water valves. Note, roadway patches of a different material will not be surveyed (i.e., asphalt patch in concrete pavement).
- Provide CADD mapping of survey and DTM (1' contours) within the project limits. In addition, TerraTec will provide an ASCII file with a listing of points shot, to include point number, northing, easting, elevation, and description.

Task 2 – Informational Commitment Titles

TerraTec will perform the following activities:

- For the non-right-of-way alignment, obtain informational commitment titles for the following seven properties: (163100003, 1631100003, 1631100031, 161100032, 1631101046, 1631101048 and 1631101049). This information along with the field surveyed property corner monumentation to determine the property lines within the survey limits.
- For the parcel located at the northwest corner of Saunders and Deerfield (Tax Id No. 1630302014), TerraTec will obtain an information commitment title to depict the right-of-way line along the southern and western property lines.

Task 3 – Easement Identification & Mapping

TerraTec will perform the following activities:

- TerraTec will review the titles to determine what, if any, easements are located within the survey limits of the titles ordered above.
- TerraTec will include the identified easements onto the mapping developed in Task 1 above. Note, the locations will be approximate as most easements are identified based on property lines.

**FEE**

The services to be performed upon acceptance of this proposal have been described in the above sections of this proposal and are based upon our understanding of the project. TerraTec proposes to complete these services for the **lump sum fees as shown in the table below**. The lump sum fee will be effective if this proposal is accepted within 60 days of the date of this proposal. Proposed changes, if any, to the scope of work following commencement of TerraTec services will be discussed with you and amendments made to the original work scope and fee.

<b>TASK</b>	<b>Fees</b>
Task 1 – Topographic Survey & Map	\$6,800
Task 2 – Information Title Reports	\$2,500
Task 3 – Easement Identification & Map	\$2,500
<b>TOTAL</b>	<b>\$11,800</b>

**GENERAL PROJECT UNDERSTANDING**

1. The property boundary survey is for the property lines within the survey limits only; does not include the property lines outside of the survey limits.
2. This proposal does not include civil, environmental, geotechnical engineering; architectural, electrical, structural, construction services, meetings or permit/application fees. These services can be provided for additional fees, if requested.

**RIVERWOODS VILLAGE HALL**

300 Portwine Road  
Riverwoods, IL 60015



July 26, 2021

Ms. Emily Karry, P.E.  
Capital Improvement Program Manager  
Lake County Public Works  
650 W Winchester Road  
Libertyville, Illinois 60048

Re: LCPW Saunders Road Sewer Project  
Riverwoods, IL

Via email: [ekarry@lakecountyil.gov](mailto:ekarry@lakecountyil.gov)

Dear Ms. Karry

As you are aware, the County owns and maintains parallel sanitary sewers on either side of Saunders Road between West Course Drive and Duffy Lane.

Riverwoods currently does not have a public water main in this corridor, and the presence of sanitary sewer in both parkways may create separation issues if and when the Village builds a water main to serve residents in the area.

While this water main project is not currently programmed, the Village has submitted a Rebuild Illinois grant application and expects to submit for other grants as well.

As such, we request that the Department consider the possibility of consolidating the sewer system to one side of the street as part of the current force main project.

We understand that this is outside the original scope of the Department's project and may not be feasible due to budget constraints.

Please feel free to contact me with any questions. Thank you.

Sincerely  
Village of Riverwoods

A handwritten signature in black ink that reads "Patrick Glenn". The signature is written in a cursive, flowing style.

Patrick Glenn, P.E.  
Village Engineer

cc: Mayor Kris Ford – Village of Riverwoods