

**Modification #2 to the Professional Services
Agreement #21008 for Lake County**

This second contract modification (“Modification #2”) 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. Contract Modification #1, in the amount of \$44,810, was approved by the County Board on October 12, 2021 for additional preliminary engineering services 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.
- a. This second contract modification is required for final design engineering services for the Saunders Road Sanitary Sewer, Lift Station and Force Main Improvements Project in accordance with the scope described on Attachment A. The final design completion date shall be 40 weeks after Agreement execution.
- b. Further contract modification will be necessary for future construction engineering services for the Saunders Road Sanitary Sewer, Lift Station and Force Main Improvements Project, if so desired by the County.

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 #2 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 February 8, 2022, the date of the February 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 \$511,800 for a total amount not to exceed \$660,510 to complete the tasks outlined in the Consultant's proposal Attachments A & B (received January 18 and 19, 2022).

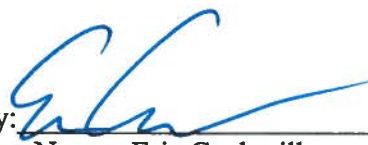
Signed:

COUNTY OF LAKE:

CONSULTANT:

Donohue & Associates, Inc.

By: _____
Name: RuthAnne K. Hall
Its: Purchasing Agent

By:  _____
Name: Eric Cockerill
Title: Vice President

Date: _____

Date: 1/19/2022

ATTACHMENT A

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

SCOPE OF SERVICES

The following presents the scope of services for final design of the Saunders Rd. Sanitary Sewer, Lift Station, and Forcemain Improvements in accordance with the recommendations of the Design Basis Report (DBR) and Preliminary Engineering plans prepared by Donohue & Associates, Inc. The recommended improvements and design include the following:

- Replacement of the Saunders Road Lift Station with a new triplex submersible lift station
- Replacement of the two existing gravity sewers upstream of the existing Lift Station with a single larger diameter sewer from manhole 42RP17 to the proposed Saunders Road Lift Station
- Installation of a new parallel sanitary force main from the new lift station to manhole 42SN05
- Identification of construction phasing and division of work between separate construction projects
- Up to 3 Sets of Bidding Documents to meet the recommended Project phasing
- Supplemental site surveys
- Supplemental geotechnical investigations
- SUE investigations (potholing) of existing utilities at key locations for design and permitting
- Temporary and Permanent Easement preparation and negotiation/acquisition. Lake County will pay costs to the respective property owners required to obtain the proposed easements
- Wetland verification for permitting with LCSMC
- Preparation of permit applications
- Technical Specifications prepared in general conformance with the 50-division format of the Construction Specifications Institute (CSI); Owner will combine technical specifications provided by Donohue with its front-end (Div 0) documents to create the Project Manual for bidding.
- Drawings will be developed using Donohue's CAD standards
- Deliverables shall be in the form of electronic (.pdf) files and hard copies as described below.
- Engineering services during Bidding will be provided for up to 3 separate construction contract bids
- Shop drawing review for submittals related to the proposed Lift Station

DETAILED SCOPE OF SERVICES

1.0 General/Project Management

- 1.01 Project management activities shall include preparing a project work plan, participating in kick-off and bi-weekly conference calls to discuss near-term activities, manage deliverable quality reviews, and coordination of the project between Owner and Donohue design team. Provide meeting notes that document discussions, decisions, Owner comments, and Owner direction.
- 1.02 Review and monitor project budget and schedule.

2.0 Site Investigations

- 2.01 Supplemental survey: Up to 5 days for pothole locations, wetland verification, utilities, and spot grade elevations as needed.
- 2.02 Supplemental geotechnical investigations: 1 geotechnical boring in west ROW south of Deerfield Rd., 3 environmental borings for CCDD testing near previous borings.
- 2.03 Wetland boundary verification (for LCSMC permitting) and LCSMC and USACE permitting: Up to 2 wetland verification locations (Wetland 1 and Wetland 2), LCSMC permit application and fees for gravity

sewer and forcemain alignments through 2 wetlands, and USACE permit application for floodplain/floodway impacts at Lift Station site and a portion of gravity sewer alignment north of the Lift Station site.

- 2.04 SUE investigations (Potholing): 2 general locations - Intersection of Deerfield Rd. and Saunders Rd. (in pavement and in NE and SE corners off of pavement) and Lift Station site (not in pavement). SUE Quality Level A (potholing/physical locate) for known existing utilities that cross proposed forcemain in and around the Deerfield Rd and Saunders Rd. intersection, including existing forcemain casing pipe location and size at NE corner of intersection, and known existing utilities at Lift Station site. Includes traffic control and pothole completion and restoration in conformance with LCDOT requirements. In addition to the above, the estimated fee for SUE includes an additional allowance of \$10,000 for additional potholing as needed due to unforeseen conditions, to be utilized only as directed by LCPW.
- 2.05 Easement assistance: Perform title searches, prepare easement plats or exhibits, and complete appraisals/negotiations/closing in coordination with LCPW staff for up to the following:
- New Lift Station site - 2 parcel owners (residents), 2 temporary easement plats.
 - Saunders Rd. 66' ROW (east side) south of Braeburn Rd. - 2 parcel owners (residents), 2 easement plats. Each plat will have both temporary and permanent easement components.
 - Saunders Rd. east ROW near intersection of Riverwoods Rd. and NE corner of Saunders Rd. and Deerfield Rd. intersection - 1 parcel owner (Village of Riverwoods), 2 temporary easement exhibits.
 - SW corner of intersection of Deerfield Rd. and Saunders Rd. – 1 parcel owner (Thorngate HOA), 1 temporary easement exhibit.
 - Saunders Rd. east ROW south of Deerfield Rd - 1 parcel owner (Parkway North), 1 permanent easement plat and 1 temporary easement exhibit.
- Easement assistance will only be provided and billed for the actual easements determined to be needed at the completion of final design. Lake County will pay land costs to the respective property owners required to obtain the proposed easements.
- 2.06 Site visit: One site visit by Donohue design staff for each discipline to confirm design assumptions.

3.0 Final Design

- 3.01 Utility Coordination. Perform additional utility review to supplement work completed in Preliminary Design. Contact utilities, obtain atlases, and record results from JULIE locates completed for SUE work. Coordinate with power and natural gas utilities for new service requirements for electrical primary power and natural gas back-up generator.
- 3.02 Update Base Sheets. Prepare updates based on site investigations and additional utility coordination.
- 3.03 P&ID Coordination and Programming. Prepare draft I/O list and review with LCPW. Prepare final P&ID and develop programming specifications for operation of Lift Station, including sequence for calling pumps and isolating forcemains to meet range of flow conditions.
- 3.04 Develop bypass pumping approach in coordination with LCPW engineering and O&M staff and incorporate design plans or other requirements as needed into contract documents.
- 3.05 Prepare draft construction drawings.
- 3.06 Prepare draft technical specifications.
- 3.07 Prepare draft opinion of probable construction cost.
- 3.08 Perform QA/QC reviews
- 3.09 Prepare final draft construction documents and submit electronic files (.pdf) and hard copies (two (2) full 22x34 full size and five (5) 11x17 half size plan sets, and five (5) technical specification books) for LCPW review. Attend and conduct draft documents review workshop and prepare meeting notes.
- 3.10 Prepare final construction drawings.
- 3.11 Prepare final technical specifications and coordinate incorporation of LCPW front end specifications.
- 3.12 Prepare final opinion of probable construction cost for up to 3 separate construction contracts.
- 3.13 Prepare up to three (3) separate construction contract packages to accommodate desired construction phasing plan, submit electronic files (.pdf) and hard copies (two (2) full 22x34 full size and five (5) 11x17

half size plan sets, and five (5) technical specification books for each contract) for LCPW review, and incorporate final LCPW comments.

- 3.14 Prepare permit applications and include required supporting documents. The design approach is to submit permit applications for the entire project to each agency before dividing into bid packages. However, additional fee is included to accommodate separate permit applications, if required, to the same agency for up to 3 bid packages, for up to 3 permitting agencies. Application submittals are expected to be required for the following:

- Lake County Watershed Development Permit (scope and fee covered under Task 2.03)
- IEPA Construction Permit
- Village of Riverwoods (include cross sections at key locations as required to demonstrate appropriate grading and restoration of swales)
- Village of Deerfield
- Lake County Division of Transportation (LCDOT) (in accordance with LCDOT submittal requirements)
- Joint Application Form for Illinois (IEPA, IDNR, USACE)
- State and Federal background documentation including IDNR EcoCat Threatened and Endangered Species Consultation, USFWS IPaC Review, and IHPA Historic Properties request letter
- Notice of Intent (NOI) for coverage under IEPA General NPDES Permit ILR10. This includes submittal forms and preparation of Stormwater Pollution Prevention Plan (SWPPP) for up to 3 construction contracts

It is noted that LCPW prefers to directly pay fees related to Lake County permitting agencies if processing schedule allows timely submittal of permit applications. However, County permit fees are included in Donohue's fee proposal to expedite the application process if needed. These fees will not be charged for reimbursement if the County pays the fees directly.

4.0 Bidding Assistance and Construction Related Services (CRS)

- 4.01 Prepare technical documents (plans and specifications) for up to 3 construction contracts for bidding. Deliver hard copies of plans (five (5) 11x17 and two (2) 22x34 full-size sets) and electronic (.pdf) files for both plans and specifications to LCPW. LCPW will prepare front end documents, assemble bidding documents and coordinate with Lake County Purchasing to post the documents to their bidding website.
- 4.02 Respond to bidders' questions, prepare addenda, and deliver addenda to LCPW for posting.
- 4.03 Plan, conduct, and prepare notes for up to 3 pre-bid meetings with representatives of prospective bidders, Donohue, and LCPW to review bidding requirements and tour the project sites.
- 4.04 Receive scanned PDF files of bids, review bids received, prepare bid tabulations, and prepare letters of recommendation for the award of up to 3 construction contracts. LCPW will conduct bid openings without Donohue in attendance.
- 4.05 Assemble the Contract Documents for execution by the Contractor and LCPW for up to 3 construction contracts. After execution, furnish electronic PDF files of the executed Contract Documents to the LCPW and Contractors.
- 4.06 CRS services for review of up to 15 shop drawings for material and equipment related to the Lift Station. Applicable contractor submittals will be forwarded by LCPW to Donohue and comments provided back to LCWP. Services are limited to the initial submittal review and one re-submittal review for each contractor submittal. Donohue will not have or maintain direct communication with contractors.

PROJECT SCHEDULE

Donohue estimates the scope of services described above can be completed within the following project schedule:

Kickoff Meeting	1 week after Agreement execution
Draft Contract Documents	28 weeks after Agreement execution
Final Bidding Documents	40 weeks after Agreement execution

ATTACHMENT B
FINAL DESIGN FOR SAUNDERS ROAD SANITARY SEWER, LIFT STATION, AND FORCEMAIN IMPROVEMENTS
Fee Estimate Summary
Donohue & Associates
18-Jan-22

Task Description		ENG VII	ENG VII	ENG III	ENG II	ENG IV	ENG III	ENG VI	AD III	ENG iV	ENG VIII	ENG V	ENG V	Total Hours	Total Labor	Travel	Printing & Mailing	Sub consultants	Total Cost	Subtotals
		\$ 220	\$ 220	\$ 150	\$ 135	\$ 170	\$ 150	\$ 200	\$ 90	\$ 170	\$ 240	\$ 185	\$ 185							
1 Project Management																			\$ 23,720	
1.01 Project Workplan and Meetings		48	4	24					8					84	\$ 15,760				\$ 15,760	
1.02 Project Monitoring and Administration		24	4						20					48	\$ 7,960				\$ 7,960	
2 Site Investigations																			\$ 208,390	
2.01 Spot Surveys (5 days for potholes, wetland, utilities)		4		8										12	\$ 2,080			\$ 15,225	\$ 17,305	
2.02 Geotechnical investigations (1 new boring, 3 CCDD re-borings)		4		8										12	\$ 2,080			\$ 13,230	\$ 15,310	
2.03 Wetland Verification/LCSMC and USACE Permitting		4		24										28	\$ 4,480			\$ 9,545	\$ 14,025	
2.04 SUE Investigations (2 Locations - Deerfield Rd, LS Site)		4		24										28	\$ 4,480			\$ 73,840	\$ 78,320	
2.05 Easement Assistance (5 plats/descriptions, 7 Owners)		4		8										12	\$ 2,080			\$ 76,650	\$ 78,730	
2.05 Site Visit		4		4	4	4	4	4						24	\$ 4,100	\$ 600			\$ 4,700	
3 Final Design																			\$ 230,840	
3.01 Utility Coordination				24										24	\$ 3,600				\$ 3,600	
3.02 Update Base Sheets from Site Investigations				24	8									32	\$ 4,680				\$ 4,680	
3.03 P&ID Coordination Meeting and Programming Design		4		8		8	24							44	\$ 7,960				\$ 7,960	
3.04 Bypass Pumping Design		4		12	24	2	2	2						46	\$ 6,960				\$ 6,960	
3.05 Draft Construction Drawings		4		180	80	40	40	40						384	\$ 59,480				\$ 59,480	
3.06 Draft Technical Specifications and Work Sequence/Constraints		4		30	24	24	24	24						130	\$ 21,100				\$ 21,100	
3.07 Draft Opinion of Probable Construction Cost		2		12	12	8	8	8						50	\$ 8,020				\$ 8,020	
3.08 QA/QC reviews		16	4							30	16	16	24	106	\$ 20,740				\$ 20,740	
3.09 Draft Documents Review Workshop		8		8	8	8	8	8						48	\$ 8,200	\$ 600	\$ 1,200		\$ 10,000	
3.10 Final Bid Plans		4		80	60	24	24	24						216	\$ 33,460				\$ 33,460	
3.11 Final Bid Specifications and Front End		4		12	12	12	12	12						64	\$ 10,540				\$ 10,540	
3.12 Final Opinion of Probable Construction Cost		2		12	12	8	8	8						50	\$ 8,020				\$ 8,020	
3.13 Prepare Separate Construction Contracts (Up to 3)		2		48	8	8	8	8						82	\$ 12,880		\$ 3,500		\$ 16,380	
3.14 Permitting (Excluding LCSMC and USACE) and up to 3 SWPPPs		8		60	48				24					140	\$ 19,400		\$ 500		\$ 19,900	
4 Bidding Assistance and CRS																			\$ 48,840	
4.01 Prepare and Submit Bid Documents (Electronic, Hard Copies)		6		6	6									18	\$ 3,030		\$ 3,000		\$ 6,030	
4.02 Respond to Bidder Questions and Prepare Addenda		6		12	12	6	6	6						48	\$ 7,860				\$ 7,860	
4.03 Attend and Conduct Pre-Bid Meeting		12		12	12									36	\$ 6,060	\$ 600			\$ 6,660	
4.04 Evaluate Bids and Prepare Letter of Recommendation		12		18	18									48	\$ 7,770				\$ 7,770	
4.05 Assemble Contract Documents for Owner and Contractor Signature		6		12	12									30	\$ 4,740		\$ 500		\$ 5,240	
4.06 Lift Station Submittal Review		4		12	24	18	18	18						94	\$ 15,280				\$ 15,280	
Total		204	12	674	392	162	170	186	52	30	16	16	24	1,938	\$ 312,800	\$ 1,800	\$ 8,700	\$ 188,490	\$ 511,790	\$ 511,790
Total Labor Dollars by Staff		\$ 44,880	\$ 2,640	\$ 101,100	\$ 52,920	\$ 27,540	\$ 25,500	\$ 37,200	\$ 4,680	\$ 5,100	\$ 3,840	\$ 2,960	\$ 4,440						USE ==>	\$ 511,800