In accordance with the GENERAL AGREEMENT between the City of Lake Elmo ("CITY") and TKDA ("ENGINEER"), dated February 8, 1988 ("AGREEMENT"), the ENGINEER agrees to provide Professional Engineering Support Services as follows:

LAKE ELMO AVENUE INFRASTRUCTURE IMPROVEMENTS
I-94 TO 30TH STREET PROJECT
REROUTE GRAVITY CONNECTION

PROJECT OVERVIEW: The Project includes Engineering Services for the installation of a sanitary sewer system including a lift station, forcemain and gravity sewer, to convey wastewater flow along Lake Elmo Avenue from Reid Park located on 30th Street to the MCES connection located on Hudson Boulevard.

Services include revising the current 2011 set of construction documents for the purpose of re-bidding the Project. The revised documents will replace the current alternate bid with a new alignment for the gravity connection south of 10th Street, approximately 4,500 feet in length.

SERVICES TO BE PROVIDED BY ENGINEER: TKDA shall provide the following Professional Engineering Services:

1. DESIGN PHASE
    a. Project Management.
    b. Conduct a kickoff meeting with City Staff and Project Team.
    c. Request information through Gopher State One Call and update utility information for the corridor.
    d. Perform topographic survey of the new gravity alignment.
    e. Map topographic survey of the new gravity alignment.
    f. Provide recommended soil boring plan.
    g. Coordinate with geotechnical consultant hired by the City.
    h. Review site conditions in the field to identify any conditions changed since the original plan was prepared.
    i. Design rain garden and plantings at lift station.
    j. Review and modify the existing construction plans and specifications to eliminate the earlier alternate bid. Design and add an alternate bid for the new alignment.
    k. Provide 90% plans to the City and make revisions based on comments provided.
    l. Provide an estimate of probable construction cost at 100% completion.
    m. Provide necessary permit applications for City signature and submittal.
    n. Provide QA/QC.
    o. Assemble and submit final Contract Documents to CLIENT.
    p. Prepare a Stormwater Pollution Prevention Plan.

2. BIDDING PHASE
    a. Submit the advertisement for bid.
    b. Distribute contract documents and maintain plan holders list.
    c. Respond to bidders questions; issue addenda.
    d. Tabulate bids.
    e. Review bids and make an award recommendation.
    f. Prepare and send out contract documents after award.
3. CONSTRUCTION PHASE
    a. Project Management.
    b. Construction Staking.
    c. Attend preconstruction meeting.
    d. Provide 80 hours of technical support during construction.
    e. Prepare record plans.

    DELIVERABLES:

    - Plans and Specifications in electronic format (PDF) and hard copy format (4 full size and 4 half size).
    - Opinion of Total Probable Project Costs.
    - Identification of easements on the plans, if needed for the construction of the project.

CITY RESPONSIBILITIES: The City (or its consultants) will provide the following:

1. Provide TKDA with access to the site as required to perform services listed herein.
2. Provide reviews of materials furnished by TKDA in a reasonable and prompt manner so that the Project schedule can be maintained.
3. Identify the alignment for the design.
4. Contract with a geotechnical consultant to provide soil borings and foundation recommendations.
5. Provide wetland delineations for the project.
6. Submittal of permit applications provided and payment of permit fees.
7. Acquire easements.
8. Coordinate with City Council and residents.
9. Provide construction administration and observation, except as provided above.
10. Provide Warranty Inspections.

ADDITIONAL SERVICES: If authorized by the City, TKDA shall furnish or obtain from others Additional Services which are not considered under this Authorization, including:

1. Prepare and present presentations to the City Council and/or meet with property owners.
2. Prepare plans or exhibits for additional alignments.
3. Preliminarily stake the pipe alignment for City/property owner review.
4. Provide construction observation.
5. Subcontract with geotechnical and wetland subconsultants.

Such services shall be compensated for on an Hourly Rate basis in an amount approved by the City prior to any services being started or as otherwise mutually agreed.

TIMES FOR RENDERING SERVICES: ENGINEER shall perform its services and complete design by June 6, 2013.

ENGINEER's construction phase services shall be provided in accordance with the Contractor's schedule for the work.

CITY'S REPRESENTATIVE AND CONTRACT ADMINISTRATION: The CITY's representative with respect to services rendered by ENGINEER under this AUTHORIZATION shall be the City Engineer. Project correspondence must be addressed to:

Jack Griffin, P.E., City Engineer
City of Lake Elmo
3800 Laverne Avenue North
Lake Elmo, MN 55042
651.300.4264
Email: Jack.griffin@focusengineeringinc.com

COMPENSATION: Compensation to ENGINEER for Design Phase, Bidding Phase, and Construction Phase Services shall be on an hourly rate basis in a not to exceed amount of $77,200, per the attached fee estimate.

ATTACHMENTS: The following documents are incorporated by reference:

ENGINEER's Fee Estimate

APPROVAL AND ACCEPTANCE: Approval and Acceptance of this Authorization, including the attachment(s) listed above, shall incorporate this document as part of the AGREEMENT. ENGINEER is authorized to begin performance of services upon receipt of this Authorization signed by the City.

The Effective Date of this Authorization is **March 20, 2013.**

TKDA

By Larry D. Bohrer

(Authorized Representative of the Firm)
Larry D. Bohrer, PE
Vice President, Municipal Services

CITY OF LAKE ELMO, MINNESOTA

By _____

City Administrator

TKDA

Project Fee Estimate

Client:	City of Lake Elmo	**Date:**	3/14/2013
Project:	Lake Elmo Avenue Sanitary Sewer I-94 to 30th **Reroute Gravity**	**Prepared By:**	RSQ

Task	Task Description	Estimated Person Hours Required							Totals
		Quanbeck	Klocker	Pageler	Wassman	Snyder	Survey Crew	Caple	
		Sr Reg Eng/PM	Reg Eng	Spec I	Reg Eng	Spec II		Tech II	
	Billing Rate/Hr x Multiplier	**$ 147**	**$ 83**	**$ 91**	**$ 121**	**$ 154**	**$ 155**	**$ 57**	
A	Plans, Specifications and Contract Documents								
1	Project Management	24							24
2	Kickoff Meeting with City Staff	3	3						6
3	Internal Kickoff Meeting	1	1	1					3
4	Gopher One Call & Utility Mapping		4	4					8
5	Topographic Survey	2					40		42
6	Map Topographic Survey		2	16					18
7	Coordinate Geotechnical Evaluations		4						4
8	Field Review to Verify Existing Conditions/Base Map		6						6
9	Modify Construction Plans/Specs; Add Alternate Bid New Alignment	16	110	110		4		5	245
10	Provide 90% Plans to City for Review; Incorporate Revisions	2	8	8					18
11	Quantity Take-off and Estimate of Construction Cost	2	12	4					18
12	Prepare Permit Applications	4	8	2	8				22
13	QA/QC Plans, Specifications, Estimate of Cost	12	2						14
14	Assemble Contract Documents	1	4	2				4	11
15	Prepare SWPPP				9				9
	SUBTOTAL HOURS	67	164	147	17	4	40	9	448
	SUBTOTAL LABOR COST	$ 9,849	$ 13,612	$ 13,377	$ 2,057	$ 616	$ 6,200	$ 513	$ 46,224
Expenses:									
	Travel & Subsistence (TS)								$ 250
	Reproduction & Reprographics (RR)								$ 250
SUBTOTAL									**$ 46,724**
B	**Bidding Phase Services**								
1	Submit Advertisement for Bids							1	1
2	Distribute Plans and Specifications to Bidders; Maintain Plan Holder List							3	3
3	Respond to Bidder's Questions; Issue Addenda	8		2		2		1	13
4	Tabulate Bids							2	2
5	Review Bids/Award Recommendation	1						1	2
6	Prepare and Send Out Contract Documents			1				2	3
	SUBTOTAL HOURS	9	-	3	-	2	-	10	24
	SUBTOTAL LABOR COST	$ 1,323	$ -	$ 273	$ -	$ 308	$ -	$ 570	$ 2,474
Expenses:									
	Reproduction & Reprographics (RR)								$ 50
SUBTOTAL									**$ 2,524**
C	**Construction Phase Services**								
1	Project Management	12							12
2	Construction Staking						84		84
3	Preconstruction Meeting	3				3			6
4	Technical Support to City during Construction (Assumed 80 hrs)	40	30			10			80
5	Record Plans	2	2	4			8		16
	SUBTOTAL HOURS	57	32	4	-	13	92	-	198
	SUBTOTAL LABOR COST	$ 8,379	$ 2,656	$ 364	$ -	$ 2,002	$ 14,260	$ -	$ 27,661
Expenses:									
	Travel & Subsistence (TS)								$ 250
	Reproduction & Reprographics (RR)								$ 50
SUBTOTAL									**$ 27,961**
TOTAL PROJECT									**$ 77,209**
ROUNDED									**$ 77,200**