

**CITY OF MILTON, WISCONSIN  
MADISON AVENUE WATER MAIN REPLACEMENT  
DESIGN ENGINEERING SERVICES  
WORK ORDER AMENDMENT NO. 1**

**Engineer's Project No. 212602.40**

**Purpose of Amendment:**

This amendment to the original Work Order dated January 19, 2022, provides for additional scope of services and compensation that are being added to the Project.

**Amended Engineering Services:**

The scope of service is amended to provide engineering design for the replacement of existing water main under North Clear Lake Avenue from Madison Avenue to Sunset Drive. Additionally, the work includes the analysis of the water system to recommend the appropriate size of the replacement water main. The amended scope of services is set forth in Attachment A and estimated fees in Attachment B.

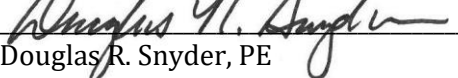
**Amended Compensation:**

The Engineer's fee for the Project shall be amended as follows:

Original Work Order Limit:	\$ 13,900.00
Increased Scope Services:	\$ 10,881.25
<u>Net increase of this Amendment</u>	<u>\$ 16,400.00</u>

Amended Not-to-Exceed Limit:	\$ 41,181.25
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Submitted by: **Baxter & Woodman, Inc.**

By:   
Douglas R. Snyder, PE

Title: Vice President

Date: July 18, 2022

Approved: **City of Milton, Wisconsin**

By: \_\_\_\_\_  
Al Hulick

Title: City Administrator

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

Attest: \_\_\_\_\_  
Jenny Salvo, Clerk

**Additional Comments and Conditions:** All other provisions of the Work Order shall remain in full force and effect.

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### **Project Description - Amended**

This Project consists of providing engineering design for the replacement of the existing water main under Clear Lake Drive between Madison Avenue and Sunset Drive. The street rehabilitation will extend to Rivendell Drive, which is the end of the existing concrete-base pavement. The new 10-inch diameter water main will complete the loop in the northwest corner of the City.

The Clear Lake Drive improvements will be added to the current Madison Avenue project and bid as one project. This extension will require additional topographic survey, design, and WDNR permitting for the water main extension and construction site erosion control.

The original project consisted of water main replacement under Madison Avenue between Front Street and Merchant Row. The main was later extended to Division Street and then to Clear Lake Road. Additional design work was performed to accommodate the new main location, addition of beacon crosswalk signals, and full pavement design.

### **Scope of Services**

1. ADMINISTRATION & MEETINGS – Confer with the City’s staff and project team to ensure the goals of the Project are achieved and to clarify and define the general scope, extent, and character of the Project.
2. PROJECT MANAGEMENT – Plan, schedule, and control the activities that must be performed to complete the Project. These activities include but are not limited to budget, schedule, and scope.
3. TOPOGRAPHIC SURVEY – Perform topographic survey of Clear Lake Drive from Madison Avenue to Rivendell Drive, including 100 feet of each crossing street, of natural and manmade features to develop base sheets for project plan drawings. In addition, obtain data or records indicating locations of underground utilities.
4. PRELIMINARY DESIGN – Prepare preliminary design documents for the water main improvements consisting of drawings showing the general scope, extent, and character of construction work for review by City staff. Additionally, prepare design documents for the rehabilitation of the street pavement, including a traffic control plan. Cross-sections are not anticipated to be prepared for the design.

FINAL DESIGN – Prepare design drawings and project manual identifying the general scope, extent, and character of construction work to be furnished and performed by the contractor(s) selected by the City.

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6. AGENCY PERMITTING - Submit permit applications to Wisconsin Department of Natural Resources (WDNR) for the construction and operation of the new water main and for construction site erosion and sediment control. Respond to comments and revise project documents accordingly.
  7. ASSISTANCE DURING BIDDING - Assist the City in solicitation of construction bids from as many qualified bidders as possible, attend the bid opening and tabulate bid proposals, make an analysis of the bids, and submit recommendations for the award of construction contract.

City of Milton							
Plan Number: 212602.40							
Plan Name: MILTC - Madison Avenue Water Main - Design AMENDMENT							
Level 2	Level3	Labor Category	Employee	Planned Hrs	Planned Labor Bill	Reimb Allowance	Total Compensation
Overall Project Total				128.00	16,220.00	180.00	16,400.00
WI100 Manage Project				4.00	840.00	0.00	840.00
		Engineer VII	Gary Vogel	4.00	840.00		
WI200 Preliminary Plans, Specifications and Cost Estimate				104.00	12,630.00	180.00	12,810.00
	WI210 Topographic Survey			48.00	5,780.00	180.00	5,960.00
		Survey Manager	Joseph Molitor	20.00	2,600.00		
		Surveyor, Project	Shawn Hastings	20.00	2,100.00		
		CADD Tech III	Ursula Botsch	8.00	1,080.00		
	WI220 Water Main Design			48.00	5,790.00	0.00	5,790.00
		Engineer VII	Gary Vogel	6.00	1,260.00		
		Engineer I	Dylan Swerig	30.00	3,450.00		
		Engineer Tech I	Jordan Sharpe	12.00	1,080.00		
	WI230 Specifications			8.00	1,060.00	0.00	1,060.00
		Engineer VII	Gary Vogel	2.00	420.00		
		Engineer I	Dylan Swerig	4.00	460.00		
		Administrative Support III	Julie Crayton	2.00	180.00		
WI300 Final Plans, Specifications and Estimate of Cost				20.00	2,750.00	0.00	2,750.00
	WI310 QC/QA			2.00	350.00	0.00	350.00
		Engineer IV	Joseph Marchese	2.00	350.00		
	WI320 Final Contract Plans and Contract Proposal			18.00	2,400.00	0.00	2,400.00
		Engineer VII	Gary Vogel	4.00	840.00		
		Engineer I	Dylan Swerig	12.00	1,380.00		
		Administrative Support III	Julie Crayton	2.00	180.00		