

**CITY OF MILTON, WISCONSIN
MADISON AVENUE WATER MAIN REPLACEMENT
DESIGN ENGINEERING SERVICES
WORK ORDER**

Engineer's Project No. 212602.40

Project Description:

This Project consists of providing engineering design for the replacement of the existing water main under Madison Avenue between Front Street and Merchant Row. The topographic survey will extend from Windsor Court to Division Street in the event the water main is extended. Additionally, the work includes the analysis of the water system to recommend the appropriate size of the replacement water main.

Engineering Services:

The general provisions of this Work Order are enumerated in the Engineering Services Agreement between the Owner and Engineer dated January 1, 2016. Engineer shall provide the services set forth in Attachment A, attached hereto. Manpower Requirements and Fee Summary are listed in Attachment B.

Compensation:

Compensation for the services will be in accordance with the Engineering Services Agreement dated January 1, 2016. The Owner shall pay the Engineer for the services performed or furnished under Attachment A, based upon the Engineer's standard hourly billing rates included in Attachment B for actual work time performed plus reimbursement of out-of-pocket expenses including travel, which in total will not exceed **\$13,900.00**.

Submitted by: **Baxter & Woodman, Inc.**

By: _____

Douglas R. Snyder, PE

Title: Vice President

Date: January 11, 2022

Approved: **City of Milton, Wisconsin**

By: _____

Al Hulick

Title: City Administrator

Date: _____

Attest: _____

Jenny Salvo, Clerk

Additional Comments and Conditions: None.

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SCOPE OF SERVICES

Design 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 Madison Avenue from Windsor Court to Division Street, 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. Utilize existing water system model to determine the appropriate size of the new water main.
5. 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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City of Milton							
Plan Number: 212602.40							
Plan Name: MILTC - Madison Avenue Water Main - Design							
Level 2	Level3	Labor Category	Employee	Planned Hrs	Planned Labor Bill	Reimb Allowance	Total Compensation
Overall Project Total				100.00	13,780.00	120.00	13,900.00
WI100 Manage Project				6.00	1,260.00	0.00	1,260.00
		Engineer VII	Gary Vogel	6.00	1,260.00		
WI200 Preliminary Plans, Specifications and Cost Estimate				80.00	10,460.00	120.00	10,580.00
	WI210 Topographic Survey			24.00	2,890.00	120.00	3,010.00
		Survey Manager	Joseph Molidor	10.00	1,300.00		
		Surveyor, Project	Shawn Hastings	10.00	1,050.00		
		CADD Tech III	Ursula Botsch	4.00	540.00		
	WI220 Water Main Design			46.00	6,280.00	0.00	6,280.00
		Engineer VII	Gary Vogel	6.00	1,260.00		
		Engineer VI	Gerald Groth	8.00	1,640.00		
		Engineer I	Dylan Swerig	20.00	2,300.00		
		Engineer Tech I	Jordan Sharpe	12.00	1,080.00		
	WI230 Specifications			10.00	1,290.00	0.00	1,290.00
		Engineer VII	Gary Vogel	2.00	420.00		
		Engineer I	Dylan Swerig	6.00	690.00		
		Administrative Support III	Julie Crayton	2.00	180.00		
WI300 Final Plans, Specifications and Estimate of Cost				14.00	2,060.00	0.00	2,060.00
	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			12.00	1,710.00	0.00	1,710.00
		Engineer VII	Gary Vogel	4.00	840.00		
		Engineer I	Dylan Swerig	6.00	690.00		
		Administrative Support III	Julie Crayton	2.00	180.00		