

**VILLAGE OF WINDSOR  
VILLAGE BOARD RESOLUTION 2019-90**

**APPROVAL OF BAXTER & WOODMAN WORK ORDER FOR ADDITIONAL  
STORM WATER STUDIES FOR THE CTH DM PROJECT**

**WHEREAS**, in designing the Clinton Rd/DM reconstruction project the Engineer has determined the necessity to complete additional storm water studies; and

**WHEREAS**, the studies will review various options to convey water north to the Yahara River more effectively from the intersection of CTH DM and Morrisonville Road, potential detention locations near CTH DM, and out letting CTH DM drainage to Yahara River to the east via a large storm sewer; and

**WHEREAS**, the Engineer has provided Work Order Number 190918.31 to complete the additional storm water studies attached hereto as Exhibit A; and

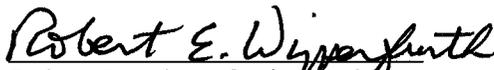
**WHEREAS**, the Village wishes to approve the Work Order and proceed with the Storm Water Studies, as set forth herein.

**NOW THEREFORE, BE IT RESOLVED**, by the Village Board of the Village of Windsor that it hereby resolves as follows:

1. The attached Work Order 190918.31 is approved for execution. The Village President, Village Attorney and Staff are authorized to execute same on behalf of the Village.

The above and foregoing Resolution was duly adopted at a regular meeting of the Village Board of the Village of Windsor on August 15, 2019, by a vote of 5 in favor and 0 opposed.

**VILLAGE OF WINDSOR**

  
Robert E. Wipperfurth, President

*Attested by:*

  
Christine Capstran, Clerk

**Incorporated by Reference:**

Exhibit A: Baxter & Woodman Work Order 190918.31  
Engineering Services Agreement dated March 20, 2019

**VILLAGE OF WINDSOR, WISCONSIN  
CTH DM ADDITIONAL DRAINAGE STUDIES  
ENGINEERING DESIGN SERVICES  
WORK ORDER**

**Engineer's Project No. 190918.31**

**Project Description:**

The Project includes additional drainage studies for County Trunk Highway (CTH) DM from the Morrisonville Road intersection to west of Bridge P-13-0920 (branch of Yahara River crossing).

The Project will include three design tasks:

- Conceptual design to address drainage issues at intersection of CTH DM and Morrisonville Road
- Conceptual design of outletting CTH DM drainage to Yahara River to the east via a large storm sewer
- Investigate potential detention locations near CTH DM

In order to complete the above project tasks the following design items will be completed

- Review background and available mapping
- Field review with limited GPS locates
- Develop drainage improvement concepts
- Provide findings in memorandum to Village

**Engineering Services:**

The general provisions of this Work Order are enumerated in the Engineering Services Agreement between the Owner and Engineer dated March 20, 2019. Engineer shall provide the services set forth in Attachment A, attached hereto.

**Compensation:**

Compensation for the services will be in accordance with the Engineering Services Agreement dated March 20, 2019. The Owner shall pay the Engineer for the services performed or furnished under Attachment A, based upon the Engineer's standard hourly billing rates for actual work time performed plus reimbursement of out-of-pocket expenses including travel, which in total will not exceed \$14,600.

Submitted by: <b>Baxter &amp; Woodman, Inc.</b> By: <u>Gerald D. Groth</u> Gerald D. Groth, PE Title: Regional Manager Date: <u>July 31, 2019</u>	Approved by: <b>Village of Windsor, WI</b> By: <u>Robert E. Wipperfurth</u> Robert E. Wipperfurth Title: Village President Date: <u>8-15-19</u> Attest: <u>Christine Capstran</u> Christine Capstran, Clerk
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**Additional Comments and Conditions:** None.

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## **Project Description**

The Project includes additional drainage studies for County Trunk Highway (CTH) DM from the Morrisonville Road intersection to west of Bridge P-13-0920 (branch of Yahara River crossing).

## **Scope of Services**

1. **MANAGE PROJECT/MEETINGS**
  - A. Manage Project – Plan, schedule, and control the professional engineering activities that must be performed to complete the Project including budget, schedule, and scope. Coordinate with Village staff and project team to ensure the goals of the Project are achieved, and to review available data.
  - B. Internal Meetings – Meet internally with project team to discuss Project and coordinate design.
2. **DESIGN TASK 1 - Drainage at DM/Morrisonville Road Intersection**
  - A. Review background and available mapping
  - B. Field review with limited GPS locates
  - C. Develop drainage improvement concepts
  - D. Provide findings in memorandum to Village
3. **DESIGN TASK 2 - Large Storm Sewer for DM to Yahara River (East)**
  - A. Review background and available mapping
  - B. Develop drainage improvement concepts
  - C. Provide findings in memorandum to Village
4. **DESIGN TASK 3 - Potential Detention Locations Near DM**
  - A. Review background and available mapping
  - B. Develop drainage improvement concepts
  - C. Provide findings in memorandum to Village
5. **SCHEDULE** - The overall project schedule is based on construction occurring in 2020. Drainage studies to be completed by August, 2019.

**PROFESSIONAL SERVICES ESTIMATE**

Team Member							Date:	7/17/2019	
<b>BAXTER &amp; WOODMAN CONSULTING ENGINEERS</b>		Project <b>190918.31 - WINDS - CTH DM Additional Stormwater Studies</b>							
		Discipline: <b>Water Resources</b>							
Title		Professionals					Reimb. Expense	Totals	
Prepared by: JS	Approved By:	Sr Engineer	Engineer	Jr Engineer	GIS Spec	Admin			
Grade									
Rate		\$145	\$110	\$90	\$110	\$80	----		
Task Description		Hrs	Hrs	Hrs	Hrs	Hrs	----		
<b>Manage Projects/Meetings</b>									
Manage Project		2	5						
Internal Meetings (2x)		4	4	4					
<b>Sub-Total Hours</b>		<b>6</b>	<b>9</b>	<b>4</b>			<b>----</b>	<b>19</b>	
<b>Sub-Total Costs</b>		<b>\$870</b>	<b>\$990</b>	<b>\$360</b>				<b>\$2,220</b>	
<b>Task 1</b>	<b>Drainage at DM/Morrisonville Road Intersection</b>								
Review Background Information and Available Mapping		2		4					
Field Review with Limited GPS Locates		9					\$100		
Develop Drainage Improvement Concepts		4		9					
Memorandum to Village		9		2	4	2			
<b>Sub-Total Hours</b>		<b>24</b>		<b>15</b>	<b>4</b>	<b>2</b>	<b>----</b>	<b>45</b>	
<b>Sub-Total Costs</b>		<b>\$3,480</b>		<b>\$1,350</b>	<b>\$440</b>	<b>\$160</b>	<b>\$100</b>	<b>\$5,530</b>	
<b>Task 2</b>	<b>Big Storm Sewer for DM to Yahara River (East)</b>								
Review Background Information and Available Mapping		2							
Develop Design Concept		4							
Memorandum to Village		9			2	2			
<b>Sub-Total Hours</b>		<b>15</b>			<b>2</b>	<b>2</b>	<b>----</b>	<b>19</b>	
<b>Sub-Total Costs</b>		<b>\$2,175</b>			<b>\$220</b>	<b>\$160</b>		<b>\$2,555</b>	
<b>Task 3</b>	<b>Potential Detention Locations Near DM</b>								
Review Background Information and Available Mapping		2		2					
Review Potential Detention Areas and Develop Detention Concepts		6		9					
Memorandum to Village		9		2	4	2			
<b>Sub-Total Hours</b>		<b>17</b>		<b>13</b>	<b>4</b>	<b>2</b>	<b>----</b>	<b>36</b>	
<b>Sub-Total Costs</b>		<b>\$2,465</b>		<b>\$1,170</b>	<b>\$440</b>	<b>\$160</b>		<b>\$4,235</b>	
<b>Total Hours</b>		<b>\$926</b>	<b>990</b>	<b>388</b>	<b>10</b>	<b>6</b>	<b>----</b>		
<b>Total Cost</b>		<b>\$134,270</b>	<b>\$108,900</b>	<b>\$34,920</b>	<b>\$1,100</b>	<b>\$480</b>	<b>\$100</b>	<b>\$14,540</b>	

Comments