



VILLAGE OF MENOMONEE FALLS  
W156 N8480 Pilgrim Road  
Menomonee Falls, WI 53051  
(262) 532-4200

## STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

|                        |         |                              |                          |
|------------------------|---------|------------------------------|--------------------------|
| Quarter Section        | 11 NW   | Name of Business/Subdivision | MENO. FALLS VILLAGE HALL |
| Property Tax ID Number | 0042964 | Address of Property          | W156N8480 PILGRIM RD     |
|                        |         |                              | MENO. FALLS, WI 53051    |

|          |   |
|----------|---|
| Dry Pond |   |
| Wet Pond | X |
| Other    |   |

Description: SWP11N004  
P-0146, U-0146

Location Of  
Pond  
NORTHEAST CORNER OF  
PROPERTY NEAR MACARTHUR  
DR & KNOLL TER

Year Pond Constructed 2001 Year of Last Certification 2019

| Compliance Verification                  | Design (Non-AsBuilt) | Actual (GPS) | Compliant Yes | No | Comments (Condition of Structure) |
|------------------------------------------|----------------------|--------------|---------------|----|-----------------------------------|
| <b>Primary Outlet Pipe</b><br>(ST010392) |                      |              |               |    | Outlet Pipe Material              |
| Opening Diameter (inches)                | 15" RCP              | 15" RCP      | X             | -  | 15" RCP IN GOOD CONDITION         |
| Upstream Invert                          | 764.00               | 763.33       | X             | -  |                                   |
| Downstream Invert                        | 760.50               | 760.53       | X             | -  |                                   |
| Length (feet)                            | 56.0 FT              | 48.9 FT      | X             | -  |                                   |
| Slope (%)                                | 0.0625 %             | 0.0573 %     | X             | -  |                                   |
| <b>Secondary Outlet Pipe</b>             | N/A                  |              |               |    | Outlet Pipe Material              |
| Opening Diameter (inches)                |                      |              | -             | -  |                                   |
| Upstream Invert                          |                      |              | -             | -  |                                   |
| Downstream Invert                        |                      |              | -             | -  |                                   |
| Length (feet)                            |                      |              | -             | -  |                                   |
| Slope (%)                                |                      |              | -             | -  |                                   |
| <b>Riser</b>                             | N/A                  |              |               |    | Riser Material                    |
| Opening Diameter (inches)                |                      |              | -             | -  |                                   |
| Elevation                                |                      |              | -             | -  |                                   |
| <b>Upper Discharge Control</b>           | N/A                  |              |               |    |                                   |
| Opening Diameter (inches)                |                      |              | -             | -  |                                   |
| Elevation                                |                      |              | -             | -  |                                   |

| Compliance Verification                                | Design                  | Actual          | Compliant<br>Yes No                                                                                |   | Comments          |                                                                                 |
|--------------------------------------------------------|-------------------------|-----------------|----------------------------------------------------------------------------------------------------|---|-------------------|---------------------------------------------------------------------------------|
| <b>Lower Discharge Control</b>                         | N/A                     |                 |                                                                                                    |   |                   |                                                                                 |
| Opening Diameter (inches)                              |                         |                 | -                                                                                                  | - |                   |                                                                                 |
| Elevation                                              |                         |                 | -                                                                                                  | - |                   |                                                                                 |
| <b>Other (Description)</b>                             | N/A                     |                 |                                                                                                    |   |                   |                                                                                 |
| Opening Type and Size (inches)                         |                         |                 | -                                                                                                  | - |                   |                                                                                 |
| Elevation                                              |                         |                 | -                                                                                                  | - |                   |                                                                                 |
| <b>Emergency Spillway</b>                              |                         |                 |                                                                                                    |   |                   |                                                                                 |
| Elevation                                              | 768.30                  | 768.30          | X                                                                                                  | - |                   |                                                                                 |
| Length of spillway (feet)                              | 15.0 FT                 | 12.3 FT         | X                                                                                                  | - |                   |                                                                                 |
| <b>Embankment</b>                                      | Present<br>Yes No       |                 | Comments/Maintenance Requirements                                                                  |   |                   |                                                                                 |
| Unauthorized Plantings, trees, or woody vegetation     | X                       | -               | REMOVE SMALL WOODY VEGETATION AT SW CORNER OF POND<br><br>ANIMAL BURROWS PRESENT SE CORNER OF POND |   |                   |                                                                                 |
| Animal burrows or slope erosion or hole                | X                       | -               |                                                                                                    |   |                   |                                                                                 |
| <b>Storm Sewer Outfalls</b>                            | Type & Size             |                 | Location                                                                                           |   | Comments          |                                                                                 |
| Outfall 1 (ST010391)                                   | RCP – 12”               |                 | SE CORNER                                                                                          |   | GOOD CONDITION    |                                                                                 |
| Outfall 2 (ST010393)                                   | RCP – 27”               |                 | W-SW CORNER                                                                                        |   | GOOD CONDITION    |                                                                                 |
| Outfall 3 (ST010394)                                   | RCP – 30”               |                 | S-SW CORNER                                                                                        |   | GOOD CONDITION    |                                                                                 |
| <b>Storage Properties</b>                              | Design<br>(NON-ASBUILT) | Actual<br>(GPS) | Compliant<br>Yes No                                                                                |   | Not<br>Applicable | Equipment Used                                                                  |
| Normal Water Elevation<br>(Wet Ponds)                  | 764.00                  | 761.41          | X                                                                                                  | - |                   | GPS EQUIPMENT: CARLSON<br>RTK5 GNSS RECEIVER &<br>CARLSON RT5 DATA<br>COLLECTOR |
| Design High Water Elevation                            | 768.60                  | 768.30          | X                                                                                                  | - |                   |                                                                                 |
| Area at Normal Water Elevation (Ac)<br>(Wet Ponds)     | -                       | 0.238<br>AC     | X                                                                                                  | - |                   |                                                                                 |
| Area at Design High Water Elevation (Ac)               | -                       | 0.683<br>AC     | X                                                                                                  | - |                   |                                                                                 |
| Active Storage Available (Ac-Ft)*                      | -                       | 4.318<br>ACFT   | X                                                                                                  | - |                   |                                                                                 |
| Lowest Elevation at Top of Embankment (If Applicable)  | -                       | 769.70          | X                                                                                                  | - |                   |                                                                                 |
| Average Elevation at Top of Embankment (If Applicable) | -                       | 769.95          | X                                                                                                  | - |                   |                                                                                 |
| Maximum Bottom Elevation                               | 760.00                  | 759.98          | X                                                                                                  | - |                   |                                                                                 |
| Average Pond Bottom Elevation                          | -                       | -               | -                                                                                                  | - | X                 | NOT SURVEYED IN 2024                                                            |
| Pond Bottom Area (Ac)                                  | -                       | -               | -                                                                                                  | - | X                 | NOT SURVEYED IN 2024                                                            |
| Maximum Pond Depth                                     | -                       | -               | -                                                                                                  | - | X                 | NOT SURVEYED IN 2024                                                            |
| Average Pond Depth                                     | -                       | -               | -                                                                                                  | - | X                 | NOT SURVEYED IN 2024                                                            |
| Average Permanent Pool Depth (Wet Ponds)               | -                       | -               | -                                                                                                  | - | X                 | NOT SURVEYED IN 2024                                                            |

\*To Determine Active Storage  $V = \left( \left( \frac{H}{3} \right) \left( A1 + A2 + \left( \left( A1 + A2 \right)^{\left( \frac{1}{2} \right)} \right) \right) \right)$   
 Wet Ponds Use  $H$  = Height of Section ,  $A1$  = area at normal water elevation,  $A2$ =area at top section  
 Dry Ponds Use  $H$ = Height of Section,  $A1$ = pond bottom area,  $A2$ =area at top section

## Municipal Park Retention Pond – SWP11N004

Overview (South basin looking SE/Central Water Crossing/North basin looking SE)



## Municipal Park Retention Pond – SWP11N004

Outlet ST010393



Outlet ST010394



Inlet ST010390



Outlet ST010391



# Municipal Park Retention Pond – SWP11N004

## Inlet ST010392 & Emergency Spillway



Sketch Outlet

Place Photograph of Pond

Place Photograph of Pond

Inspection Firm: VILLAGE OF  
MENOMONEE FALLS  
Phone Number: 262-532-4411  
Address: W156N8480 PILGRIM RD  
MENOMONEE FALLS, WI  
53051

Inspector Name : CHRISTOPHER M GARIEPY  
Inspection Date: 12/09/2024

Certifying  
Professional Name: THOMAS M. HOFFMAN, P.E.  
Phone Number: 262-532-4415

Date:

2/12/2025

Signature:



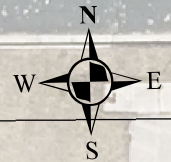


Affix Seal Here



MNFV0042973006  
N85W15250  
THUR DR

SWP11N004  
Municipal Park - MNFV0042964  
2024 Pond Inspection  
Land Survey 120924 CMG  
Pond Bottom Survey Not Performed



0 7.5 15 22.5 30  
Feet

1 inch = 30 feet

Water Elevation  
December 9, 2024  
was 761.41.

SWP11N004

