



Village of Menomonee Falls  
 W156 N8480 Pilgrim Road  
 Menomonee Falls, WI 53051-3140  
 Telephone: (262) 532-4200

## STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section  
 Property Tax ID Number  
 Date \_\_\_\_\_

SE 1/4 - 24  
 TBD

Name of Business/Subdivision  
 Address of Property

Lilly Creek Highlands V/VI  
 Daylilly Drive & Northfield Drive  
 Pond 2

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

Pond ID: SWP24S020

Location of  
 Pond

OUTLOT 12

Year Pond  
 Constructed

2017

Year of Last  
 Certification

N/A

| Compliance Verification        | Design          | Actual | Compliant<br>Yes | Compliant<br>No      | Comments<br>( Condition of Structure) |
|--------------------------------|-----------------|--------|------------------|----------------------|---------------------------------------|
| <b>Primary Outlet Pipe</b>     |                 |        |                  |                      | Outlet Pipe Material                  |
| Opening Diameter<br>(inches)   | 18"             | 18"    | X                |                      | RCP                                   |
| Upstream Invert                | 800.00          | 800.00 | X                |                      |                                       |
| Downstream Invert              | 799.00          | 790.00 | X                |                      |                                       |
| Length<br>(feet)               | 62              | 73     | X                |                      |                                       |
| Slope<br>(%)                   | 1.4             | 1.38   | X                |                      |                                       |
| <b>Secondary Outlet Pipe</b>   | (If Applicable) |        |                  | Outlet Pipe Material |                                       |
| Opening Diameter (inches)      |                 |        |                  |                      |                                       |
| Upstream Invert                |                 |        |                  |                      | None                                  |
| Downstream Invert              |                 |        |                  |                      |                                       |
| Length<br>(feet)               |                 |        |                  |                      |                                       |
| Slope<br>(%)                   |                 |        |                  |                      |                                       |
| <b>Riser</b>                   | (If Applicable) |        |                  | Riser Material       |                                       |
| Opening Diameter<br>(inches)   | 36              | 36     | X                |                      | In-line Outlet Control Structure      |
| Rim Elevation                  | 805.25          | 805.26 | X                |                      |                                       |
| <b>Upper Discharge Control</b> | (If Applicable) |        |                  |                      |                                       |
| Opening Diameter<br>(inches)   | 12              | 12     | X                |                      | High Flow Orifice                     |
| Elevation                      | 802.00          | 802.01 | X                |                      |                                       |

| Compliance Verification                                | Design                 | Actual | Compliant<br>Yes                  | No | Comments  |
|--|------------------------|--------|-----------------------------------|----|---|
| <b>Lower Discharge Control</b>                         | (If Applicable)        |        |                                   |    |   |
| Opening Diameter (inches)                              | 2.5                    | 2.5    | X                                 |    | Low Flow Orifice  |
| Elevation  | 800.00                 | 799.93 | X                                 |    |   |
| <b>Other (Description)</b>                             |                        |        |                                   |    |   |
| Opening Type and Size (inches)                         |                        |        |                                   |    | N/A   |
| Elevation  |                        |        |                                   |    |   |
| <b>Emergency Spillway</b>                              |                        |        |                                   |    |   |
| Elevation  | 805.25                 | 805.2  | X                                 |    |   |
| Length of spillway (feet)                              | 4                      | 10     | X                                 |    |   |
| <b>Embankment</b>                                      | Present<br>Yes      no |        | Comments/Maintenance Requirements |    |   |
| Unauthorized Plantings, trees, or woody vegetation     |                        | X      | Newly construction and vegetated. |    |   |
| Animal burrows or slope erosion                        |                        | X      |                                   |    |   |
| <b>Storm Sewer Outfalls</b>                            | Type & Size            |        | Location                          |    | Comments  |
| Outfall 1  | 30" RCP                |        | From West View Cir                |    | New   |
| Outfall 2  |                        |        |                                   |    |   |
| Outfall 3  |                        |        |                                   |    |   |
| Storage Properties                                     | Design                 | Actual | Compliant<br>Yes                  | No | Equipment Used  |
| Normal Water Elevation (Wet Ponds)                     |                        |        |                                   | X  | Robotic 1" Total Station (Sokkia iX 1001)<br>Survey Completed: 08/21/17 |
| Design High Water Elevation                            | 805.00                 | 804.57 | X                                 |    |   |
| Area at Normal Water Elevation (Ac) (Wet Ponds)        |                        |        |                                   | X  |   |
| Area at Design High Water Elevation (Ac)               | 0.428                  | 0.431  | X                                 |    |   |
| Active Storage Available (Ac-Ft)*                      | 1.617                  | 2.370  | X                                 |    |   |
| Lowest Elevation at Top of Embankment (If Applicable)  | 805.25                 | 805.25 | X                                 |    |   |
| Average Elevation at Top of Embankment (If Applicable) | 806.50                 | 806.2  | X                                 |    |   |
| Maximum Bottom Elevation                               |                        |        |                                   | X  |   |
| Average Pond Bottom Elevation                          | 800.00                 | 799.8  | X                                 |    |   |
| Pond Bottom Area (Ac)                                  | 0.226                  | 0.251  | X                                 |    |   |
| Maximum Pond Depth                                     | 5.25                   | 5.25   | X                                 |    |   |
| Average Pond Depth                                     |                        |        |                                   | X  |   |
| Average Permanent Pool Depth (Wet Ponds)               |                        |        |                                   | X  |   |

\*To Determine Active Storage  $V=H/3(A1+A2+(A1 \times A2)/2)$

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

See attached as-built plan.



Attach As-built Survey to the Document for the first report submission

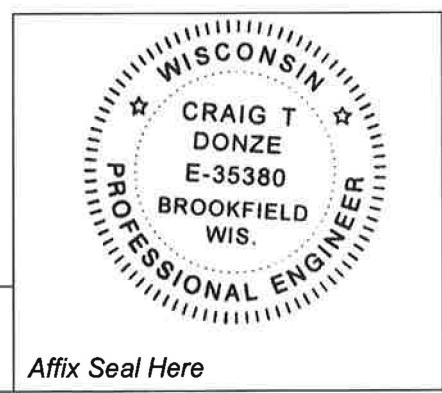
Inspection Firm: One Source Consulting  
Phone Number: (262) 781-9005  
Address: 19435 W. Capitol Drive  
Suite L05  
Brookfield, WI 53045

Inspector Name : Craig Donze, PE  
Inspection Date: 02/02/18

Certifying Professional Craig Donze, PE  
Name: \_\_\_\_\_  
Phone Number: (262) 781-9005  
cdonze@onesourceconsult.com

Date: 02/02/18

Signature:



Affix Seal Here