



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 N 1/2 of S 1/4 S 9 T 8 N R 20 E Name of Business/Subdivision Menomonee Falls Assisted Living  
Property Tax ID Number MNFV 0036-993-001 Address of Property W180 N8314 Town Hall Rd

|          |                                     |
|----------|-------------------------------------|
| Dry Pond |                                     |
| Wet Pond |                                     |
| Other    | <input checked="" type="checkbox"/> |

Location Of  
Pond

along N. property line

Description: N. Biofilter  
95006

Year Pond Constructed

2012

Year of Last Certification

N/A

| Compliance Verification        | Design          | Actual | Compliant<br>Yes No | Comments<br>(Condition of Structure)  |
|--------------------------------|-----------------|--------|---------------------|---------------------------------------|
| <b>Primary Outlet Pipe</b>     |                 |        |                     | Outlet Pipe Material                  |
| Opening Diameter (inches)      |                 |        |                     | (same as riser as far as storm sewer) |
| Upstream Invert                |                 |        |                     |                                       |
| Downstream Invert              |                 |        |                     |                                       |
| Length (feet)                  |                 |        |                     |                                       |
| Slope (%)                      |                 |        |                     |                                       |
| <b>Secondary Outlet Pipe</b>   | (If Applicable) |        |                     | Outlet Pipe Material                  |
| Opening Diameter (inches)      |                 |        |                     | N/A                                   |
| Upstream Invert                |                 |        |                     |                                       |
| Downstream Invert              |                 |        |                     |                                       |
| Length (feet)                  |                 |        |                     |                                       |
| Slope (%)                      |                 |        |                     |                                       |
| <b>Riser</b>                   | (If Applicable) |        |                     | Riser Material                        |
| Opening Diameter (inches)      | 18 "            | 18 "   | ✓                   | N-12                                  |
| Elevation                      | 881.88          | 881.88 | ✓                   |                                       |
| <b>Upper Discharge Control</b> | (If Applicable) |        |                     |                                       |
| Opening Diameter (inches)      |                 |        |                     | N/A                                   |
| Elevation                      |                 |        |                     |                                       |

| Compliance Verification                                | Design            | Actual | Compliant<br>Yes No               |  | Comments       |                                  |
|--------------------------------------------------------|-------------------|--------|-----------------------------------|--|----------------|----------------------------------|
| <b>Lower Discharge Control</b>                         | (If Applicable)   |        |                                   |  |                |                                  |
| Opening Diameter (inches)                              |                   |        |                                   |  | N/A            |                                  |
| Elevation                                              |                   |        |                                   |  |                |                                  |
| <b>Other (Description)</b>                             |                   |        |                                   |  |                |                                  |
| Opening Type and Size (inches)                         |                   |        |                                   |  | N/A            |                                  |
| Elevation                                              |                   |        |                                   |  |                |                                  |
| <b>Emergency Spillway</b>                              |                   |        |                                   |  |                |                                  |
| Elevation                                              |                   |        |                                   |  | N/A            |                                  |
| Length of spillway (feet)                              |                   |        |                                   |  |                |                                  |
| <b>Embankment</b>                                      | Present<br>Yes no |        | Comments/Maintenance Requirements |  |                |                                  |
| Unauthorized Plantings, trees, or woody vegetation     |                   |        | N/A                               |  |                |                                  |
| Animal burrows or slope erosion                        |                   |        |                                   |  |                |                                  |
| <b>Storm Sewer Outfalls</b>                            | Type & Size       |        | Location                          |  | Comments       |                                  |
| Outfall 1                                              |                   |        |                                   |  |                |                                  |
| Outfall 2                                              |                   |        |                                   |  |                |                                  |
| Outfall 3                                              |                   |        |                                   |  |                |                                  |
| <b>Storage Properties</b>                              | Design            | Actual | Compliant<br>Yes No               |  | Not Applicable | Equipment Used                   |
| Normal Water Elevation (Wet Ponds)                     |                   |        |                                   |  | X              | Biofilter<br>Not wet or<br>dry - |
| Design High Water Elevation                            |                   |        |                                   |  | X              |                                  |
| Area at Normal Water Elevation (Ac) (Wet Ponds)        |                   |        |                                   |  | X              |                                  |
| Area at Design High Water Elevation (Ac)               |                   |        |                                   |  | X              |                                  |
| Active Storage Available (Ac-Ft)*                      |                   |        |                                   |  | X              |                                  |
| Lowest Elevation at Top of Embankment (If Applicable)  |                   |        |                                   |  | X              |                                  |
| Average Elevation at Top of Embankment (If Applicable) |                   |        |                                   |  | X              |                                  |
| Maximum Bottom Elevation                               |                   |        |                                   |  | X              |                                  |
| Average Pond Bottom Elevation                          |                   |        |                                   |  | X              |                                  |
| Pond Bottom Area (Ac)                                  |                   |        |                                   |  | X              |                                  |
| Maximum Pond Depth                                     |                   |        |                                   |  | X              |                                  |
| Average Pond Depth                                     |                   |        |                                   |  | X              |                                  |
| Average Permanent Pool Depth (Wet Ponds)               |                   |        |                                   |  | X              |                                  |

\*To Determine Active Storage  $V = \left( \left( \frac{H}{3} \right) \left( A1 + A2 + \left( \left( A1 + A2 \right)^{\frac{1}{2}} \right) \right) \right)$

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

Sketch Outlet

See attached

Place Photograph of Pond

See attached

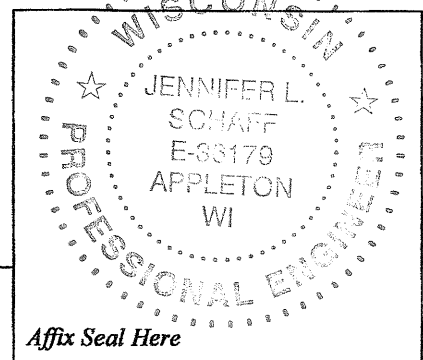
Place Photograph of Pond

Inspection Firm: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

Inspector Name: \_\_\_\_\_  
Inspection Date: \_\_\_\_\_

Certifying  
Professional Name:  
Phone Number:

Jennifer Schaff  
920 751 4200



Date:  
11/6/14

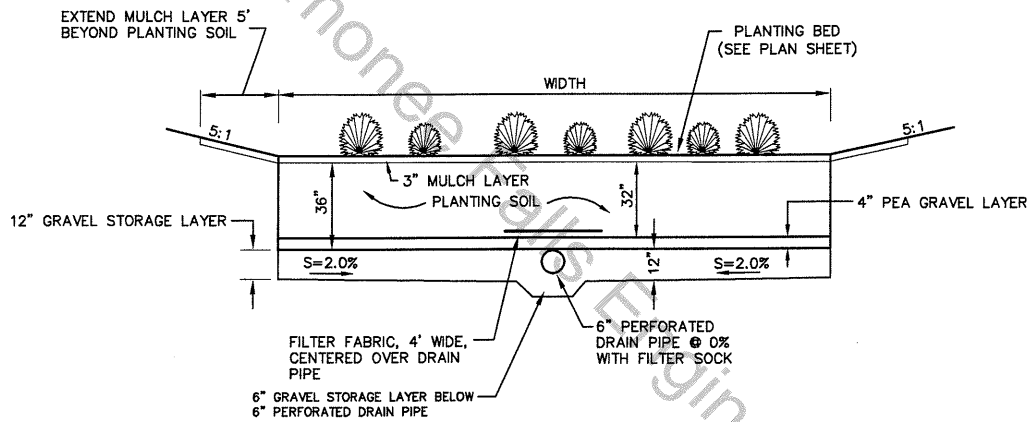
Signature:  
Jennifer Schaff

# N BIOFILTER

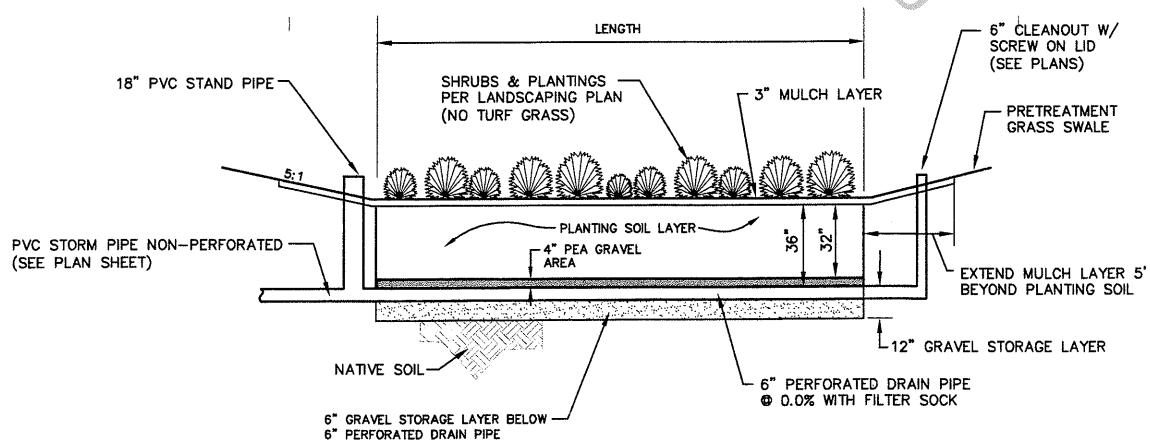
| LATIN NAME             | COMMON NAME            | SYMBOL |
|------------------------|------------------------|--------|
| ANDROPOGON GERARDIA    | BIG BLUESTEM           | AG     |
| ASTER NOVAE-ANGLIAE    | NEW ENGLAND ASTER      | AN     |
| CAREX VULPINOIDEA      | FOX SEDGE              | CV     |
| CHELONE GLABRA         | WHITE TURTLEHEAD       | CG     |
| GENTIANA ANDREWSII     | BOTTLE GENTIAN         | GA     |
| IRIS VERSICOLOR        | BLUE FLAG IRIS         | IV     |
| LIATRIS SPICATA        | MARSH BLAZINGSTAR      | LS     |
| LOBELIA SIPHILITICA    | GREAT BLUE LOBELIA     | LSI    |
| RUDBECKIA SUBTOMENTOSA | SWEET BLACK-EYED SUSAN | RS     |
| VERNONIA AUREA         | IRONWEED               | VF     |
| ZIZIA AUREA            | GOLDEN ALEXANDERS      | ZA     |

## BIO-FILTRATION PLANTING SCHEDULE

SPECIES AND QUANTITY CAN BE VARIED BY OWNER / LANDSCAPER THAT IS FAMILIAR WITH RAIN GARDENS, AS LONG AS NATIVE SPECIES ARE USED AND THE PLANTING DENSITY IS MAINTAINED AT 1 PLANT PER 2 SQUARE FEET.



**BIO-FILTRATION DETAIL A-A**



**BIO-FILTRATION DETAIL B-B**



Menomonee Falls Assisted Living – N Biofilter



