



Village of Menomonee Falls

W156 N8480 Pilgrim Road

Menomonee Falls, WI 53051-3140

Telephone: (262) 532-4200

W BIOFILTER

STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section N 1/2 of SE 1/4 S9 T10 R20 E Name of Business/Subdivision Menomonee Falls Assisted Living
Property Tax ID Number W180 N8314 Town Hall Rd
Date 7/6/14 Address of Property W180 N8314 Town Hall Rd
MNFU 0030-993-001

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

Biofilter

Location of Pond
W Biofilter East of Terrace of Town Hall Road.

Pond ID: W. Biofilter
95005

Year Pond Constructed

2012

Year of Last Certification

N/A

| Compliance Verification | Design | Actual | Compliant Yes | Comments (Condition of Structure) |
|--------------------------------|-----------------|--------|------------------|---------------------------------------|
| Primary Outlet Pipe | | | | Outlet Pipe Material |
| Opening Diameter (inches) | | | | (Same as riser as far as storm sewer) |
| Upstream Invert | | | | |
| Downstream Invert | | | | |
| Length (feet) | | | | |
| Slope (%) | | | | |
| Secondary Outlet Pipe | (If Applicable) | | | Outlet Pipe Material |
| Opening Diameter (inches) | | | | |
| Upstream Invert | | | | N/A |
| Downstream Invert | | | | |
| Length (feet) | | | | |
| Slope (%) | | | | |
| Riser | (If Applicable) | | | Riser Material |
| Opening Diameter (inches) | 18" | 18" | ✓ | N-12 |
| Elevation | 887.70 | 807.64 | ✓ | |
| Upper Discharge Control | (If Applicable) | | | |
| Opening Diameter (inches) | | | | |
| Elevation | | | | N/A |

| Compliance Verification | Design | Actual | Compliant Yes No | Comments | | | |
|--|------------------------|--------|-----------------------------------|----------------|------------------------------------|--|--|
| Lower Discharge Control | (If Applicable) | | | | | | |
| Opening Diameter (inches) | | | | | N/A | | |
| Elevation | | | | | | | |
| Other (Description) | | | | | | | |
| Opening Type and Size (inches) | | | | N/A | | | |
| Elevation | | | | | | | |
| Emergency Spillway | | | | | | | |
| Elevation | | | | N/A | | | |
| Length of spillway (feet) | | | | | | | |
| Embankment | Present Yes no | | Comments/Maintenance Requirements | | | | |
| Unauthorized Plantings, trees, or woody vegetation | | | N/A | | | | |
| Animal burrows or slope erosion | | | | | | | |
| Storm Sewer Outfalls | Type & Size | | Location | | Comments | | |
| Outfall 1 | | | | | | | |
| Outfall 2 | | | | | | | |
| Outfall 3 | | | | | | | |
| Storage Properties | Design | Actual | Compliant Yes No | Not Applicable | Equipment Used | | |
| Normal Water Elevation (Wet Ponds) | | | | X | Biotiter - Not wet or dry pond. | | |
| 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 $V=H/3(A1+A2+(A1xA2)1/2)$

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

Sketch Outlet or Attach to Document

See attached

Place Photograph of Pond or Attach to Document

Place Photograph of Pond or Attach to Document

See attached

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

Inspection Firm:

Phone Number:

Inspector Name :

Address:

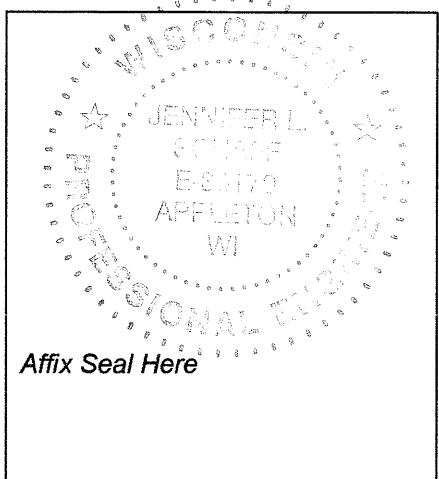
Inspection Date:

Certifying Professional

Name:

Phone Number:

Jennifer Schaff
920 751 4200



Date: 11/6/14

Signature: 

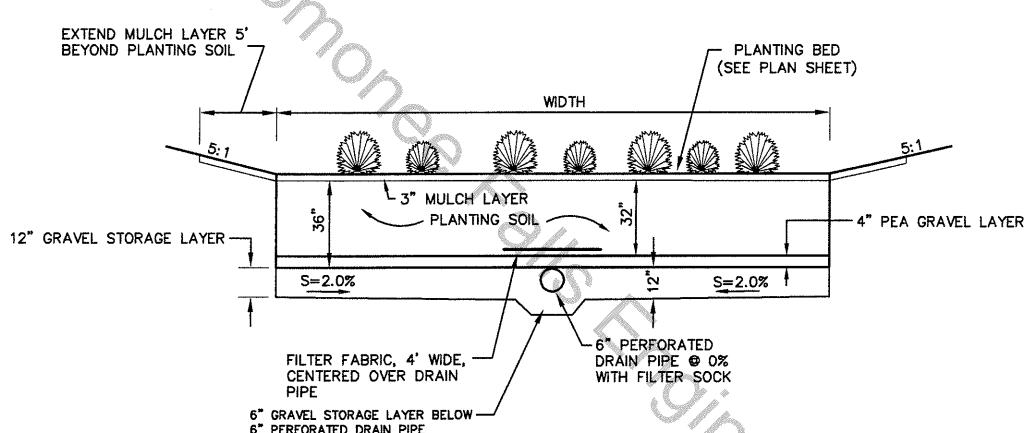
10-3-2012

Menomonee Falls Engineering

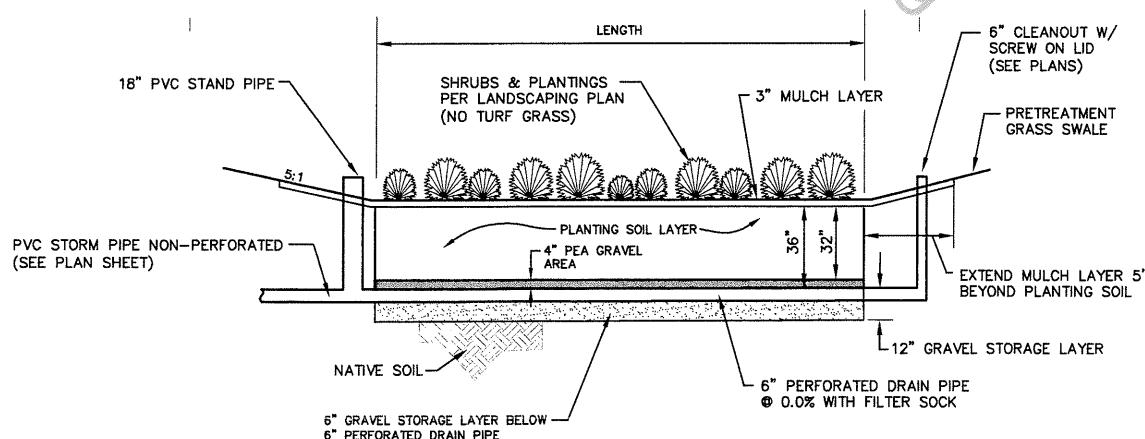
| LATIN NAME | COMMON NAME | SYMBOL |
|-----------------------|------------------------|--------|
| ANDROPOGON GERARDIA | BIG BLUESTEM | AG |
| ASTER NOVAE-ANGLAE | NEW ENGLAND ASTER | AN |
| CAREX VULPINOIDEA | FOX SEDGE | CV |
| CHELONE GLABRA | WHITE TURTLEHEAD | CG |
| GENTIANA ANDREWSII | BOTTLE GENTIAN | GA |
| IRIS VERSICOLOR | BLUE FLAG IRIS | IV |
| LIATRIS SPICATA | MARSH BLAZINGSTAR | LS |
| LOBELIA Siphilitca | GREAT BLUE LOBELIA | LSI |
| RUBECKIA SUBTOMENTOSA | SWEET BLACK-EYED SUSAN | RS |
| VERNOMIA 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 – West Biofilter adjacent to Town Hall Road.



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