



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 SE ¼ SEC 22 Name of Business/Subdivision FOX MEADOW
Property Tax ID Number _____ Address of Property _____
Date 12-03-2021 _____

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

Location of Pond OUTLOT 1
Pond ID: SWP22S002

Year Pond Constructed 2016 Year of Last Certification 2016

| Compliance Verification | Design | Actual | Compliant Yes No | Comments (Condition of Structure) |
|--------------------------------|-----------------|--------|---------------------|---------------------------------------|
| Primary Outlet Pipe | | | | Outlet Pipe Material |
| Opening Diameter (inches) | 14x23 | 14x23 | X | Reinforced concrete pipe |
| Upstream Invert | 844.00 | 843.97 | X | Good Condition |
| Downstream Invert | 843.80 | 843.88 | X | |
| Length (feet) | 32.7 | 32.7 | X | |
| Slope (%) | 0.60 | 0.28 | X | |
| Secondary Outlet Pipe | (If Applicable) | | | Outlet Pipe Material |
| Opening Diameter (inches) | NA | | | NA |
| Upstream Invert | NA | | | |
| Downstream Invert | NA | | | |
| Length (feet) | NA | | | |
| Slope (%) | NA | | | |
| Riser | (If Applicable) | | | Riser Material |
| Opening Diameter (inches) | 36 | 36 | X | Precast concrete structure |
| Elevation | 846.00 | 845.79 | X | Good Condition |
| Upper Discharge Control | (If Applicable) | | | |
| Opening Diameter (inches) | 12 | 12 | X | Concrete weir |
| Elevation | 845.50 | 845.37 | X | Good Condition |

| Compliance Verification | Design | Actual | Compliant Yes No | | Comments | |
|--|-------------------|--------|---|--|------------------|-----------------------------|
| Lower Discharge Control | (If Applicable) | | | | | |
| Opening Diameter (inches) | 5 | 5 | X | | Concrete orifice | |
| Elevation | 844.00 | 843.80 | X | | Good Condition | |
| Other (Description) | | | | | | |
| Opening Type and Size (inches) | NA | NA | | | | |
| Elevation | NA | NA | | | | |
| Emergency Spillway | | | | | | |
| Elevation | 847.65 | 847.65 | X | | Good Condition | |
| Length of spillway (feet) | 15 | 15 | X | | Good Condition | |
| Embankment | Present Yes No | | Comments/Maintenance Requirements | | | |
| Unauthorized Plantings, trees, or woody vegetation | | X | One animal burrow observed along northwest bank. Recommend filling animal burrow. | | | |
| Animal burrows or slope erosion | X | | | | | |
| Storm Sewer Outfalls | Type & Size | | Location | | Comments | |
| Outfall 1 | 12" RCP FES | | W bank | | Good Condition | |
| Outfall 2 | 15" RCP FES | | SE corner | | Good Condition | |
| Outfall 3 | | | | | | |
| Storage Properties | Design | Actual | Compliant Yes No | | Not Applicable | Equipment Used |
| Normal Water Elevation (Wet Ponds) | 844.00 | 843.63 | X | | | Trimble Total Station & GPS |
| Design High Water Elevation | 847.40 | 847.40 | X | | | |
| Area at Normal Water Elevation (Ac) (Wet Ponds) | 0.12 | 0.11 | X | | | |
| Area at Design High Water Elevation (Ac) | 0.23 | 0.23 | X | | | |
| Active Storage Available (Ac-Ft)* | 0.81 | 0.80 | X | | | |
| Lowest Elevation at Top of Embankment (If Applicable) | 848.65 | 848.53 | X | | | |
| Average Elevation at Top of Embankment (If Applicable) | 848.65 | 848.69 | X | | | |
| Maximum Bottom Elevation | 839.00 | 838.88 | X | | | |
| Average Pond Bottom Elevation | 839.00 | 838.97 | X | | | |
| Pond Bottom Area (Ac) | 0.02 | 0.02 | X | | | |
| Maximum Pond Depth | 9.7' | 9.8' | X | | | |
| Average Pond Depth | 9.7' | 9.7' | X | | | |
| Average Permanent Pool Depth (Wet Ponds) | 5.0' | 5.0' | X | | | |

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

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

Figure 1: Outlet Structure As-Built

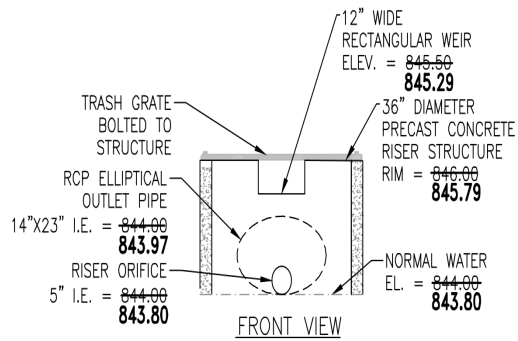


Figure 3: Pond 1 Facing East



Figure 2: Pond 1 Outlet Structure



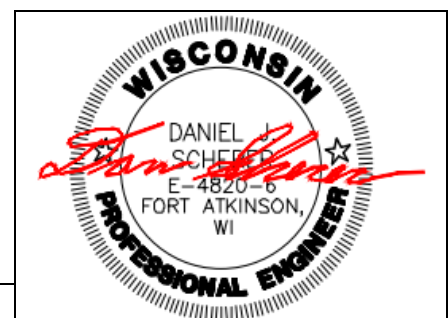
Figure 4: Pond 1 Facing West



Inspection Firm: TRIO ENGINEERING, LLC
Phone Number: 262-790-1480
Address: 4100 N. Calhoun Road
Brookfield, WI 53005

Inspector Name : Daniel Scherer
Inspection Date: 12-01-2021

Certifying Professional
Name: Daniel Scherer
Phone Number: 262-790-1480



Date:
12/03/21

Signature:
Dan Scherer

Affix Seal Here