



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 NW ¼ of Sec 25 Name of Business/Subdivision Weyerhaven Subdivision-Phase 1
Property Tax ID Number MNFV0098149 Address of Property Lilly Road
Date June 12, 2015 Menomonee Falls, WI

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP

Location of Pond Southwest corner of subdivision
(adjacent to Lilly Road, north side of Manhardt Drive)

Year Pond Constructed 2014 Year of Last Certification 2015

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	12	12	X	RCP outlet pipe discharges to grade adjacent to wetland pocket along Lilly Road. Area ultimately drains to Lilly Road ditch.
Upstream Invert	777.5	777.6	X	
Downstream Invert	777.41	777.38	X	
Length (feet)	33	35	X	
Slope (%)	0.26	0.63	X	
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)				N/A
Upstream Invert				
Downstream Invert				
Length (feet)				
Slope (%)				
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)	36	36	X	RCP riser structure built in to the western slope of the pond; in good condition.
Elevation	779.6	779.61	X	
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)				
Elevation				

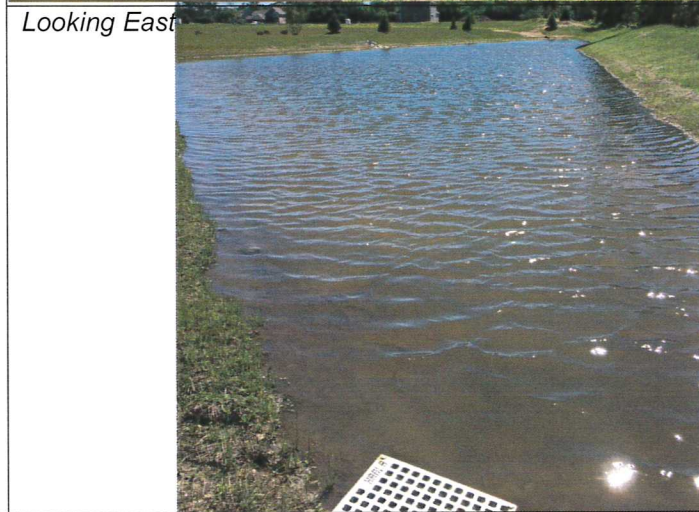
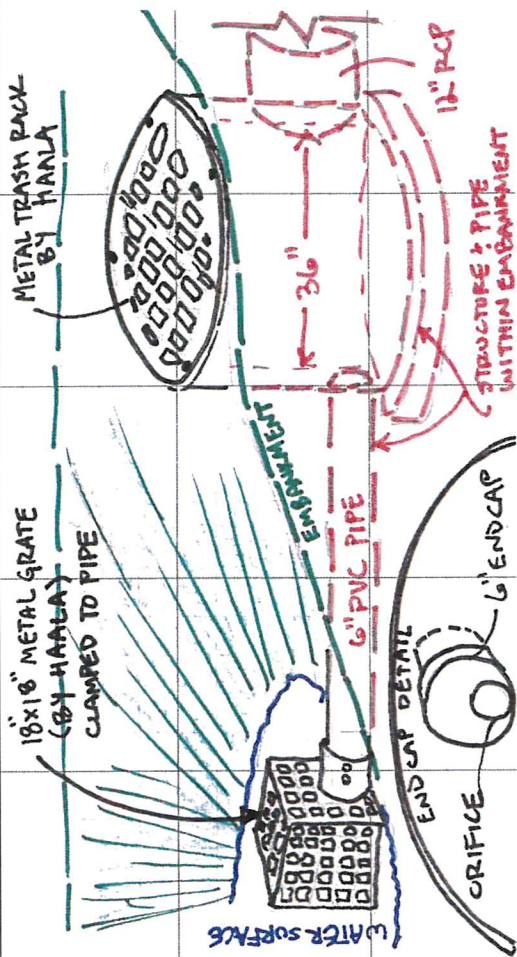
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	2.5	2.5	X		The low discharge control is a 2.5" diameter orifice cored into the end of a cap on the 6" diameter PVC outlet pipe extending from the water's edge to the RCP riser structure. A metal box screen has been installed around the orifice end of this pipe.	
Elevation	777.5	777.57	X			
Other (Description)						
Opening Type and Size (in.)						
Elevation						
Emergency Spillway						
Elevation	780.0	780.09	X		Grass vegetation established.	
Length of spillway (feet)	10	10	X			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	15" RCP		North slope		Stabilized outfall	
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	777.5	777.57	X			GPS (Navcom)
Design High Water Elevation	779.82	779.82	X			GPS (Navcom)
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.31	0.312	X			GPS (Navcom) (berm had surplus height; actual condition is acceptable) GPS (Navcom) GPS (Navcom) For ponding depth between Normal Water Elevation and Overflow Spillway
Area at Design High Water Elevation (Ac)	0.45	.454	X			
Active Storage Available (Ac-Ft)*	0.64	0.63	X			
Lowest Elevation at Top of Embankment (If Applicable)	782.0	781.58	X			
Average Elevation at Top of Embankment (If Applicable)	782.0	781.85	X			
Maximum Bottom Elevation	770.0	769.5	X			
Average Pond Bottom Elevation	770.0	770	X			
Pond Bottom Area (Ac)	0.05	0.05	X			
Maximum Pond Depth	2.5	2.52	X			
Average Pond Depth	2.5	2.52	X			
Average Permanent Pool Depth (Wet Ponds)	7.5	7.57	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

Sketch Outlet or Attach to Document

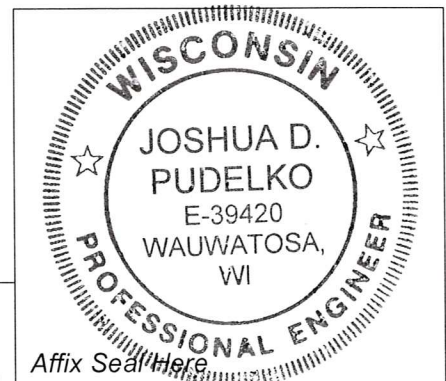


Attach As-built Survey to the Document for the first report submission

Inspection Firm: Trio Engineering, LLC
 Phone Number: 262-790-1480
 Address: 12660 W. North Avenue
 Brookfield, WI 53005

Inspector Name : Joshua D. Pudelko, PE
 Inspection Date: June 12, 2015

Certifying Professional
 Name: Joshua D. Pudelko, PE
 Phone Number: 262-790-1480



Date: 6/15/15
 Signature: [Handwritten Signature]

Affix Seal Here