



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 1/4 of Sec 25  
 Property Tax ID Number  
 MNFV0098149  
 Date June 12, 2015

Name of Business/Subdivision  
 Weyerhaven Subdivision-Phase 1  
 Address of Property  
 Lilly Road  
 Menomonee Falls, WI

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

Year Pond Constructed  
2014      Year of Last Certification  
2015

Compliance Verification	Design	Actual	Compliant Yes	Comments (Condition of Structure)
<b>Primary Outlet Pipe</b>				
Opening Diameter (inches)	12	12	X	
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	
<b>Secondary Outlet Pipe</b>	(If Applicable)			
Opening Diameter (inches)				Outlet Pipe Material
Upstream Invert				
Downstream Invert				
Length (feet)				
Slope (%)				
<b>Riser</b>	(If Applicable)			
Opening Diameter (inches)	36	36	X	Riser Material
Elevation	779.6	779.61	X	
<b>Upper Discharge Control</b>	(If Applicable)			
Opening Diameter (inches)				
Elevation				

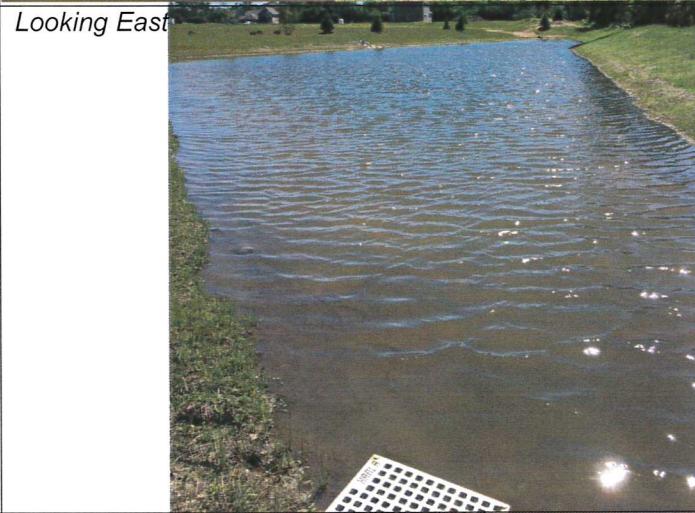
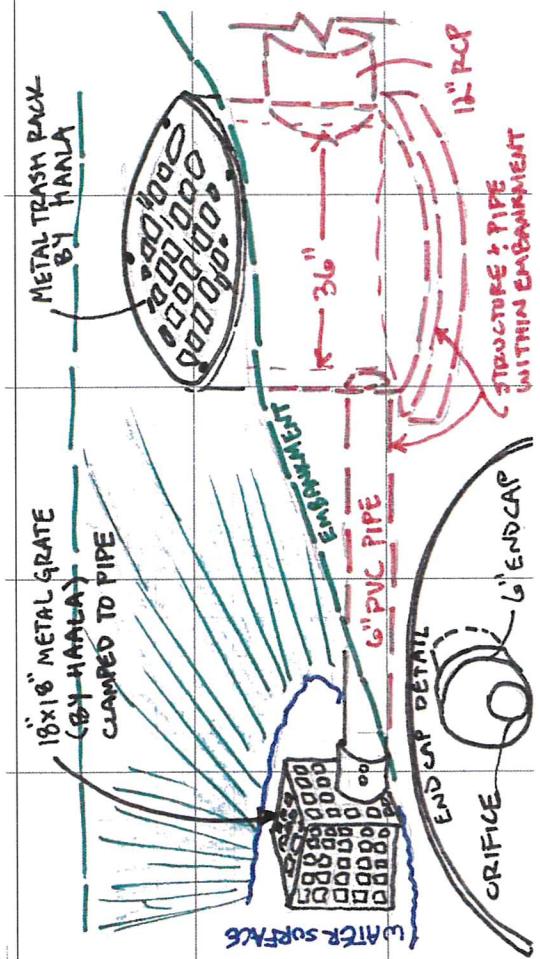
Compliance Verification	Design	Actual	Compliant Yes	No	Comments	
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)	2.5	2.5	X		The low discharge control is a 2.5" diameter orifice cored into the end of a cap on the 6" diameter PVC outlet pipe extending from the water's edge 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			
<b>Other (Description)</b>						
Opening Type and Size (in.)						
Elevation						
<b>Emergency Spillway</b>						
Elevation	780.0	780.09	X		Grass vegetation established.	
Length of spillway (feet)	10	10	X			
<b>Embankment</b>	Present Yes      no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion		X				
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1	15" RCP		North slope		Stabilized outfall	
Outfall 2						
Outfall 3						
<b>Storage Properties</b>	Design	Actual	Compliant Yes	No	Equipment Used	
Normal Water Elevation (Wet Ponds)	777.5	777.57	X		GPS (Navcom)	
Design High Water Elevation	779.82	779.82	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.31	0.312	X			
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		GPS (Navcom)	
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		For ponding depth between Normal Water Elevation and Overflow Spillway	
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  $H = \text{Height of Section}$ ,  $A1 = \text{area at normal water elevation}$ ,  $A2 = \text{area at top section}$

Dry Ponds Use  $H = \text{Height of Section}$ ,  $A1 = \text{pond bottom area}$ ,  $A2 = \text{area at top section}$

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:

A handwritten signature in blue ink that reads 'Joshua D. Pudelko'.

