



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 NW1/4, Sec 25 Name of Business/Subdivision Harmony Hills II
Property Tax ID Number N0098090 Address of Property
Date: 8/14/2021

Dry Pond	X
Wet Pond	
Other	

Pond ID: SWP25n004

Location of Pond Outlot 7 – Pond #3

Year Pond Constructed 2007 Year of Last Certification 2011

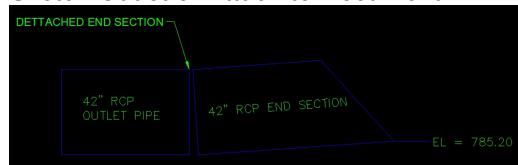
Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	42"	42"	X	Outlet pipe material is RCP. The end section has broken off from main pipe, which is why the invert is 0.20' higher than design. Sediment is collecting in the end of the pipe.
Upstream Invert	785.00	785.20	X	
Downstream Invert	782.94	783.00	X	
Length (feet)	129	130	X	
Slope (%)	1.60%	1.69%	X	
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)				
Upstream Invert				
Downstream Invert				
Length (feet)				
Slope (%)				
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)				
Elevation				
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)						
Elevation						
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	792.50	792.45	X			
Length of spillway (feet)	10'	10'	X		Some weedy vegetation growing, spray or hand remove	
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	RCP. 12?"		Northeast Corner		Significant sediment has accumulated at the end of pipe and within the end of the pipe. Sediment should be cleaned out and a riprap outfall pad installed at the end of the pipe.	
Outfall 2	RCP, 36"		Northeast Corner		Good working condition	
Outfall 3	RCP, 15"		Southeast Corner		Pipe is in good condition, riprap outfall is filled with sediment and should be removed and replaced	
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)					X	Drone technology and laser level To determine elevations and contours
Design High Water Elevation	792.00	792.00	X			HydroCAD 10.0 to determine areas and pond volumes
Area at Normal Water Elevation (Ac) (Wet Ponds)					X	
Area at Design High Water Elevation (Ac)	0.27	0.26	X			
Active Storage Available (Ac-Ft)*	1.25	1.05	X			
Lowest Elevation at Top of Embankment (If Applicable)						
Average Elevation at Top of Embankment (If Applicable)						Basin should be mowed twice per year to a height of about 6"-8".
Maximum Bottom Elevation	785.00	784.20		X		
Average Pond Bottom Elevation	785.00	784.75		X		
Pond Bottom Area (Ac)	0.10	0.11				
Maximum Pond Depth						

Average Pond Depth						
Average Permanent Pool Depth (<i>Wet Ponds</i>)						

*To Determine Active Storage $V=(H/3)(A1+A2+(\sqrt{A1+A2})))$
 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



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Infall pipe at northeast corner, filled with sediment



Infall at southeast corner with sediment in riprap outfall



Overall view of dry pond



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Outlet pipe with broken off endwall section

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

Inspection Firm: Drainage Doctor, LLC Inspector Name : Tyler Smith, PE
Phone Number: 608.535.9380 Inspection Date: 05.25.2021
Address: 416 W Red Pine Circle
Dousman, WI 53118

Certifying Professional Tyler Smith, PE
Name: _____
Phone Number: 608.535.9380

Affix Seal
Here



Date:

08.14.2021

Signature:

A handwritten signature in black ink, appearing to read "Tyler A. Smith", written over a large, empty rectangular box.

10-3-2012