



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 28 Name of Business/Subdivision Tall Pines Condominium
 Property Tax ID Number MNFV0112998001 Address of Property Tall Pines Circle
 Date August 8, 2013 Menomonee Falls, WI

Dry Pond	
Wet Pond	X
Other	

Location of Pond Northwest corner of property, adjacent to Marcy Road

Pond ID: SWP 285010

Year Pond Constructed 2007 Year of Last Certification _____

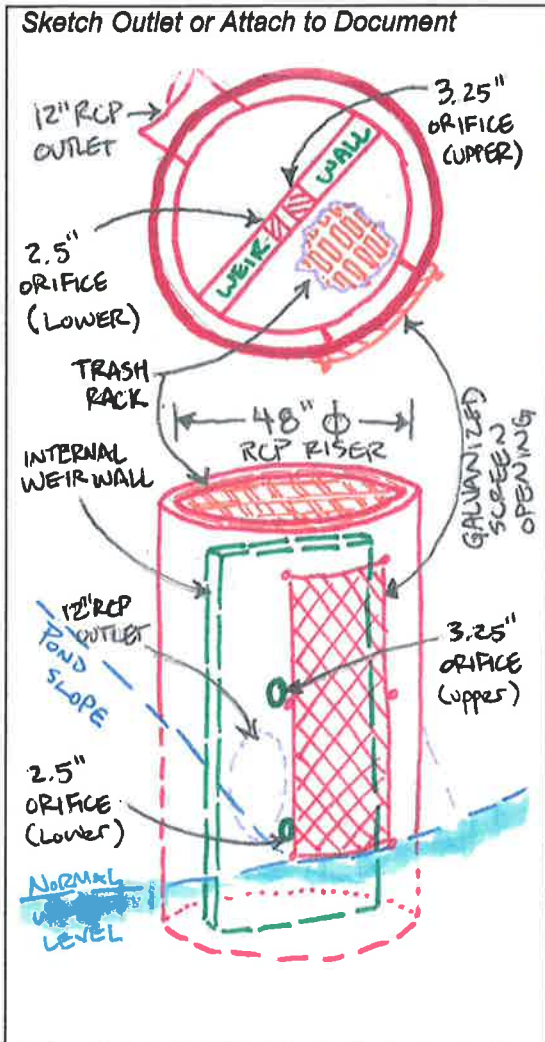
Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter (inches)	12"	12"	X		Outlet Pipe Material RCP Concrete Pipe – good condition
Upstream Invert	838.0	838.02	X		
Downstream Invert	837.69	837.72	X		
Length (feet)	123.58	120.5	X		
Slope (%)	0.251%	0.249%	X		
Secondary Outlet Pipe (If Applicable)					
Opening Diameter (inches)					N/A
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser (If Applicable)					
Opening Diameter (inches)	48"	48"	X		Riser Material RCP riser structure with internal concrete weir wall; galvanized metal screen on exterior face of riser structure.
Elevation	843.25	843.16	X		
Upper Discharge Control (If Applicable)					
Opening Diameter (inches)	3.25"	3.25"	X		Orifice on internal weir wall
Elevation	839.5	839.51	X		

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	2.5"	2.5"	X		Orifice on internal weir wall	
Elevation	838.0	838.02	X			
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	843.78	843.61	X			
Length of spillway (feet)	15'	15'	X		Vegetated spillway	
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	30" RCP w/ riprap		Southwest corner		Good condition	
Outfall 2	18" RCP w/ riprap		South central		Good condition	
Outfall 3	(3) 6" PVC downspout pipes		West side		OK – could be cut back 3' for visual appeal to reduce projection out in to the pond (optional).	
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	838.0	837.93	X			GPS (Navcom)
Design High Water Elevation	842.78	842.78	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.23	0.23	X			*A very narrow low area exists in the northeast corner of the pond at the
Area at Design High Water Elevation (Ac)	0.436	0.436	X			
Active Storage Available (Ac-Ft)*	1.14	1.14	X			at the interface with the existing wall. This should be brought to top of berm elevation with construction of the adjacent condominium.
Lowest Elevation at Top of Embankment	844.78	842.4*		X		
Average Elevation at Top of Embankment	844.78	844.7	X			GPS (Navcom)
Maximum Bottom Elevation	832.0	831.92	X			25' level rod
Average Pond Bottom Elevation	832.0	832.0	X			25' level rod
Pond Bottom Area (Ac)	0.06	0.06	X			
Maximum Pond Depth	6'	6'	X			
Average Pond Depth	6'	6'	X			
Average Permanent Pool Depth (Wet Ponds)	6'	6'	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 $H = \text{Height of Section}$, $A1 = \text{pond bottom area}$, $A2 = \text{area at top section}$



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

Inspection Firm: Trio Engineering, LLC Inspector Name: Joshua D. Pudelko, PE
 Phone Number: 262-790-1480 Inspection Date: August 8, 2013
 Address: 17700 W. Capitol Drive
 Brookfield, WI 53045

Certifying Professional Name: Joshua D. Pudelko
 Phone Number: 262.790.1480



Date: 8/12/13

Signature: [Handwritten Signature]

Affix Seal Here