



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 SW SEC 32 Name of Business/Subdivision TAMARIND – PHASE 2
Property Tax ID Number _____ Address of Property TAMARIND WAY
Date 11-14-2019 _____

Dry Pond	
Wet Pond	X
Other	

Location of Pond OUTLOT 7
Pond ID: POND 5

Year Pond Constructed 2019 Year of Last Certification _____

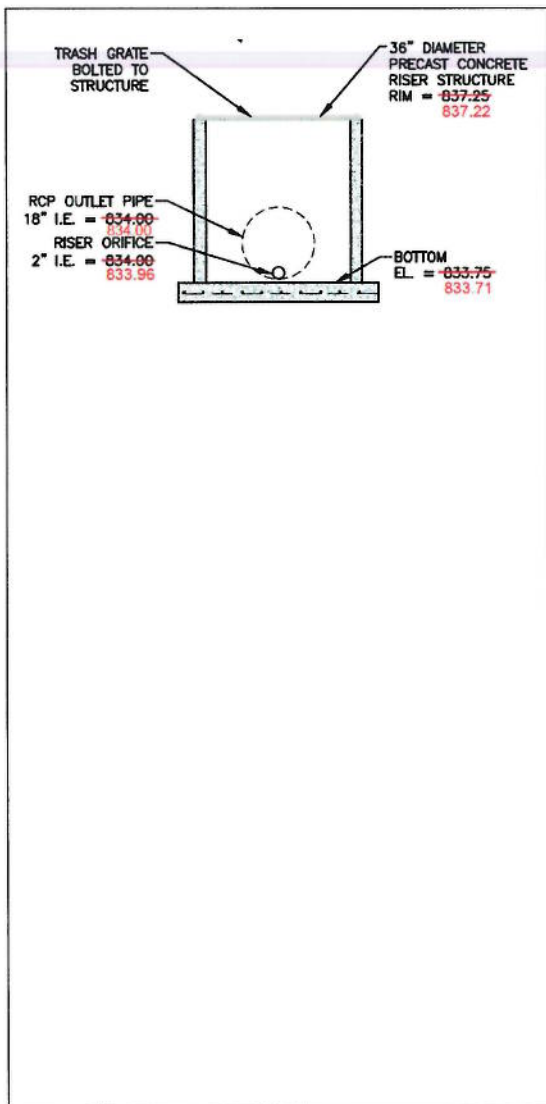
Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	18	18	X	Reinforced Concrete
Upstream Invert	834.00	834.10	X	
Downstream Invert	833.50	833.50	X	
Length (feet)	42.0	42.1	X	
Slope (%)	1.20	1.18	X	
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)	2	2	X	Reinforced Concrete
Upstream Invert	834.00	833.96	X	
Downstream Invert	NA			
Length (feet)	NA			
Slope (%)	NA			
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)	36	36	X	Reinforced Concrete
Elevation	837.25	837.22	X	
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	NA			
Elevation	NA			

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	NA					
Elevation	NA					
Other (Description)						
Opening Type and Size (inches)	NA					
Elevation	NA					
Emergency Spillway						
Elevation	838.40	838.55	X			
Length of spillway (feet)	20	35	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		SE corner			
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	834.00	834.00	X			Trimble Survey Grade RTK GNSS & Robotic Total Station
Design High Water Elevation	838.38	838.53	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.232	0.241	X			
Area at Design High Water Elevation (Ac)	0.783	0.799	X			
Active Storage Available (Ac-Ft)*	2.113	2.275	X			
Lowest Elevation at Top of Embankment (If Applicable)	839.25	839.20	X			
Average Elevation at Top of Embankment (If Applicable)	839.25	839.27	X			
Maximum Bottom Elevation	829.00	828.42	X			
Average Pond Bottom Elevation	829.00	828.55	X			
Pond Bottom Area (Ac)	0.040	0.043	X			
Maximum Pond Depth	10.25	10.52	X			
Average Pond Depth	10.25	10.39	X			
Average Permanent Pool Depth (Wet Ponds)	5.00	5.45	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

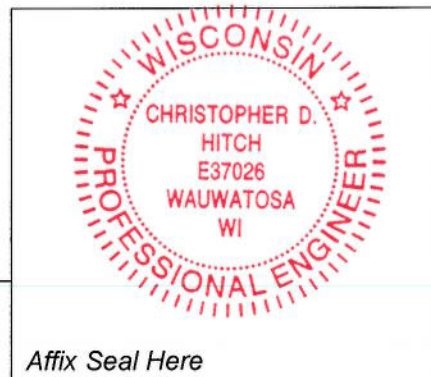


Attach As-built Survey to the Document for the first report submission

Inspection Firm: RA SMITH, INC.
 Phone Number: 262-781-1000
 Address: 16745 W. BLUEMOUND RD.
BROOKFIELD, WI 53005

Inspector Name : CHRISTOPHER HITCH
 Inspection Date: 7-11-2019

Certifying Professional Name: CHRISTOPHER HITCH
 Phone Number: 262-781-1000



Date: 11.14.2019

Signature: [Handwritten Signature]