

STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section 33 SE Name of Business/Subdivision RIDGEFIELD SUBDIVISION
Property Tax ID Number 0135248 Address of Property WETLAND/POND

Dry Pond		Description: <u>SWP33S005</u> <u>Q-149 U-320 U-323 U-327</u>	Location Of Pond	NORTH OF THORNAPPLE CT,	
Wet Pond	X			SOUTH OF SHEFFIELD LN,	
Other				WEST OF GREENVIEW AVE,	

Year Pond Constructed 1989 Year of Last Certification 2015

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes	Non-Compliant No	Comments (Condition of Structure)
<i>Primary Outlet Pipe</i>					Outlet Pipe Material
Opening Diameter (inches)	24" RCP	24" RCP	-	-	24" RCP IN GOOD CONDITION
Upstream Invert (ST011217)	885.00	884.85	-	-	
Downstream Invert (ST011216)	884.75	884.66	-	-	
Length (feet)	40.0 FT	49.3 FT	-	-	
Slope (%)	0. 63%	0.39%	-	-	ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
<i>Secondary Outlet Pipe</i>	N/A				Outlet Pipe Material
Opening Diameter (inches)			-	-	
Upstream Invert			-	-	
Downstream Invert			-	-	
Length (feet)			-	-	
Slope (%)			-	-	
<i>Riser</i>	N/A				Riser Material
Opening Diameter (inches)			-	-	
Elevation			-	-	
<i>Upper Discharge Control</i>	N/A				
Opening Diameter (inches)			-	-	
Elevation			-	-	

Compliance Verification	Design	Actual	Compliant Yes	No	Comments	
Lower Discharge Control	N/A					
Opening Diameter (inches)			-	-		
Elevation			-	-		
Other (Description)	N/A					
Opening Type and Size (inches)			-	-		
Elevation			-	-		
Emergency Spillway						
Elevation	N/A	888.63	-	-		
Length of spillway (feet)	N/A	145.0 FT	-	-		
Embankment	Present Yes		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	Y	-	WOODY VEG. ALONG SHORE & IN WETLANDS			
Animal burrows or slope erosion or hole	Y	-	3 BEAVER/MUSKRAT LODGES PRESENT			
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1 (ST007757)	RCP – 21” – 885.86		SHEFFIELD LN (N POND)		UNDER WATER	
Outfall 2 (ST003197)	RCP – 30” – 884.81		GREENVIEW CT (E MARSH)		N/A	
Outfall 3 (ST011281)	RCP – 12” – 886.16		W173N4877 CRABAPPLE CT (S POND)		BELOW GRADE	
Outfall 4 (ST011280)	RCP – 12” – 885.76		SAN. LIFT STA.		BELOW GRADE	
Outfall 5						
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes	Not Applicable	Equipment Used	
Normal Water Elevation (Wet Ponds)	N/A	886.07	-	-	GPS EQUIPMENT: GEOMAX ZENITH35 & CARLSON SURVEYOR2 WITH SURV CE v5.04	
Design High Water Elevation	N/A	888.63	-	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	N/A	2.625 AC	-	-		
Area at Design High Water Elevation (Ac)	N/A	6.658 AC	-	-		
Active Storage Available (Ac-Ft)*	N/A	10.517 ACFT	-	-		
Lowest Elevation at Top of Embankment (If Applicable)	N/A	N/A	-	-		
Average Elevation at Top of Embankment (If Applicable)	889.00	N/A	-	-	DEPTH NOT EVALUATED	
Maximum Bottom Elevation	N/A	N/A	-	-		
Average Pond Bottom Elevation	N/A	N/A	-	-		
Pond Bottom Area (Ac)	N/A	N/A	-	-		
Maximum Pond Depth	N/A	N/A	-	-		
Average Pond Depth	N/A	N/A	-	-		
Average Permanent Pool Depth (Wet Ponds)	N/A	N/A	-	-	DEPTH NOT EVALUATED	

*To Determine Active Storage $V = ((H/3)(A1 + A2 + ((A1 + A2)^{1/2})))$

Wet Ponds Use $H = \text{Height of Section}$, $A1 = \text{area at normal water elevation}$, $A2 = \text{area at top section}$

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

Ridgefield Subdivision Wetland – SWP33S005 (Thornapple & Sheffield)

Overview



Outlet ST007757



Outlet ST003197



Outlet ST011280 (OLD PIC)



Outlet ST011281 (OLD PIC)



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Inlet ST011217



Outlet ST011216



Emergency Spillway



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Repairs Needed (12/18/20)

NONE

Sketch Outlet

Place Photograph of Pond

Place Photograph of Pond

Inspection Firm:	<u>VILLAGE OF MENOMONEE FALLS</u>	Inspector Name:	<u>CHRISTOPHER M GARIEPY</u>
Phone Number:	<u>262-532-4411</u>	Inspection Date:	<u>12/18/2020</u>
Address:	<u>W156N8480 PILGRIM RD</u>		
	<u>MENOMONEE FALLS, WI</u>		
	<u>53051</u>		

Certifying
Professional Name: THOMAS M. HOFFMAN, P.E.
Phone Number: (262) 532-4415

Date:

1/28/2021

Signature:



Affix Seal Here

