



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 26 NE Name of Business/Subdivision MILL RIDGE SUBDIVISION
Property Tax ID Number 0101070 Address of Property _____

Dry Pond		Description: <u>SWP26N001</u> <u>P-82 U-403</u>	Location Of Pond	SOUTHWEST CORNER OF
Wet Pond	X			MILL RD & LILLY RD
Other				

Year Pond Constructed 1992 Year of Last Certification 2014

Compliance Verification	Design (Non- AsBuilt)	Actual (GPS)	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	15" RCP	15" RCP	X	-	15" RCP END SECTION SEPARATE FROM STORM SEWER
Upstream Invert (ST011282)	-	769.79	X	-	
Downstream Invert (ST011283)	-	769.44	X	-	
Length (feet)	60.0 FT	64.9 FT	X	-	
Slope (%)	-	0.0054'./	X	-	ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Secondary Outlet Pipe	N/A				Outlet Pipe Material
Opening Diameter (inches)			-	-	
Upstream Invert			-	-	
Downstream Invert			-	-	
Length (feet)			-	-	
Slope (%)			-	-	
Riser	N/A				Riser Material
Opening Diameter (inches)			-	-	
Elevation			-	-	
Upper Discharge Control	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	-	771.30	X	-		
Length of spillway (feet)	-	15.0 FT	X	-		
Embankment	Present Yes	No	Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	-	N				
Animal burrows or slope erosion or hole	-	N				
Storm Sewer Outfalls	Type & Size		Location	Comments		
Outfall 1 (ST004475)	36" RCP		WEST POND			
Outfall 2						
Outfall 3						
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes	No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	770.00	770.20	X	-		GPS EQUIPMENT: GEOMAX ZENITH 35 & CARLSON SURVEYOR 2 WITH SURV CE v5.04
Design High Water Elevation	772.00	771.90	X	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	1.636 AC	X	-		
Area at Design High Water Elevation (Ac)	-	1.892 AC	X	-		
Active Storage Available (Ac-Ft)*	-	3.081 ACFT	X	-		
Lowest Elevation at Top of Embankment (If Applicable)	772.00	771.30	X	-		
Average Elevation at Top of Embankment (If Applicable)	772.00	772.00	X	-		
Maximum Bottom Elevation	767.00	766.81	X	-		
Average Pond Bottom Elevation	758.00	761.91	X	-		
Pond Bottom Area (Ac)	-	-	-	-	N/A	
Maximum Pond Depth	14.0 FT	13.2 FT	X	-		PERIMITER OF POND BOTTOM NOT IDENTIFIED IN SURVEY.
Average Pond Depth	13.9 FT	9.39 FT	X	-		
Average Permanent Pool Depth (Wet Ponds)	12.0 FT	12.0 FT	X	-		

*To Determine Active Storage $V = ((H/3)(A_1 + A_2 + ((A_1 + A_2)^{1/2})))$

Wet Ponds Use $H = \text{Height of Section}$, $A_1 = \text{area at normal water elevation}$, $A_2 = \text{area at top section}$

Dry Ponds Use $H = \text{Height of Section}$, $A_1 = \text{pond bottom area}$, $A_2 = \text{area at top section}$

Mill Ridge Retention Pond – SWP26N001

Overview



Outlet ST004475



Mill Ridge Retention Pond – SWP26N001

Inlet ST011282



Outlet ST011283



Emergency Spillway



Looking SE toward Lilly Rd

Mill Ridge Retention Pond – SWP26N001

Repairs Needed (9/24/2014) CMG

Outlet ST011282



- End section of pipe pushed off storm sewer pipe.

Sketch Outlet

Place Photograph of Pond

Place Photograph of Pond

Inspection Firm: VILLAGE OF
MENOMONEE FALLS
Phone Number: 262-532-4411
Address: W156N8480 PILGRIM RD
MENOMONEE FALLS, WI
53051

Inspector Name : CHRISTOPHER M GARIEPY
Inspection Date: 9/24/2019

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

Date: 1/29/2020

Signature: THOMAS M. HOFFMAN

