



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 14 SE Name of Business/Subdivision FIRE STATION NO. 3
Property Tax ID Number 0056996001 Address of Property W140N7501 LILLY RD
MENOMONEE FALLS, WI 53051

Dry Pond	X
Wet Pond	
Other	

Description: SWP14S007
ORIGINAL PLAN AVAIL

Location Of
Pond

NEAR LILLY RD BETWEEN
LILLY RD & FRONT OF BLDG

Year Pond Constructed 2001 Year of Last Certification 2014

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter (inches)	6" PVC	6" PVC	X	-	6" PVC IN GOOD CONDITION
Upstream Invert (ST011232)	782.80	782.07	X	-	
Downstream Invert (ST011233)	781.90	781.71	X	-	
Length (feet)	52.0 FT	59.8 FT	X	-	
Slope (%)	0.0173'/,	0.0060'/,	X	-	ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Secondary Outlet Pipe					
Opening Diameter (inches)	6" PVC	6" PVC	X	-	6" PVC IN GOOD CONDITION
Upstream Invert (ST011230)	N/A	783.20	X	-	
Downstream Invert (ST011231)	781.87	781.96	X	-	
Length (feet)	-	53.3 FT	X	-	
Slope (%)	-	0.0233'/,	X	-	
Riser					
Opening Diameter (inches)			-	-	
Elevation			-	-	
Upper Discharge Control					
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	785.20	785.15	X	-		
Length of spillway (feet)	10.0 FT	9.3 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 (ST011234)	12" CMP		SW CORNER		GOOD CONDITION	
Outfall 2						
Outfall 3						
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes	No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	-	-	-	-	N/A	GPS EQUIPMENT: GEOMAX ZENITH 35 & CARLSON SURVEYOR 2 WITH SURV CE v5.04
Design High Water Elevation	785.20	785.15	X	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	0.008 AC	X	-		
Area at Design High Water Elevation (Ac)		0.078 AC	X	-		
Active Storage Available (Ac-Ft)*		0.253 ACFT	X	-		
Lowest Elevation at Top of Embankment (If Applicable)	785.20	785.15	X	-		
Average Elevation at Top of Embankment (If Applicable)	786.20	785.70	X	-		
Maximum Bottom Elevation	783.00	783.16	X	-		
Average Pond Bottom Elevation	783.00	782.74	X	-		
Pond Bottom Area (Ac)	-	0.008 AC	X	-		
Maximum Pond Depth	3.2 FT	3.08 FT	X	-		
Average Pond Depth	3.2 FT	2.41 FT	X	-		
Average Permanent Pool Depth (Wet Ponds)	-	-	-	-	N/A	

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

Fire Station No.3 Retention Pond – SWP14S007

Overview (Looking NE)



08/22/2019

Outlet ST011234



Fire Station No.3 Retention Pond – SWP14S007

Inlet ST011232



Inlet ST011230



Outlet ST011233



Outlet ST011231



Fire Station No.3 Retention Pond – SWP14S007

Spillway



Sign Profile



Repairs Needed 8/22/19 CMG

- Repair sink hole under cone in grass area SW of pond near tall garage.

Sketch Outlet

Place Photograph of Pond

Place Photograph of Pond

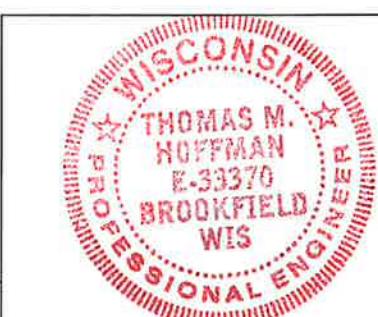
Inspection Firm: VILLAGE OF
MENOMONEE FALLS
Phone Number: 262-532-4411
Address: W156N8480 PILGRIM RD
MENOMONEE FALLS, WI
53051

Inspector Name : CHRISTOPHER M GARIEPY
Inspection Date: 8/22/2019

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

Date: 1/29/2020

Signature: 



Affix Seal Here