



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 NW Name of Business/Subdivision DEERFIELD SUBDIVISION
 Property Tax ID Number 0054271 Address of Property W152 N7900 COUNTRYSIDE LN
MENOMONEE FALLS, WI 53051

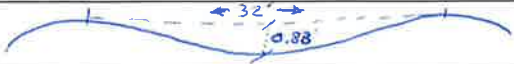
Dry Pond	X
Wet Pond	
Other	

Description: SWP14N003

Location Of Pond EAST OF GOLDENROD DR & COUNTRYSIDE DR AT EAST END OF DEERFIELD SUBDIVISION

Year Pond Constructed 1987 Year of Last Certification UNKNOWN

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe (IN14N003)					Outlet Pipe Material
Opening Diameter (inches)	12" RCP	12" RCP	-	-	12" RCP IN GOOD CONDITION
Upstream Invert	818.80	818.91	-	-	12" RCP IN GOOD CONDITION
Downstream Invert	818.76	818.87	-	-	12" RCP IN GOOD CONDITION
Length (feet)	11.0 FT	11.0 FT	-	-	
Slope (%)	0.0036'/',	0.0036'/',	-	-	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 (YB14N009)	N/A				Riser Material
Opening Diameter (inches)	4'3"	4'3"	-	-	
Elevation	823.00	823.06	-	-	
Upper Discharge Control	N/A				
Opening Diameter (inches)			-	-	
Elevation			-	-	

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	N/A					
Opening Diameter (inches)			-	-		
Elevation			-	-		
Other (Description)	N/A					
Opening Type and Size (inches)			-	-		
Elevation			-	-		
Emergency Spillway						
Elevation	825.20	824.92	-	-		
Length of spillway (feet)	21.0 FT	32.0 FT	-	-		
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 (OT14N003)	RCP - 24"		NORTHWEST CORNER		RCP IN 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: SOKKIA GSR2700ISX & CARLSON SURVEYOR+ WITH SURV CE v1.7
Design High Water Elevation	825.20	824.92	-	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	-	-	-	N/A	
Area at Design High Water Elevation (Ac)	-	0.275 AC	-	-		
Active Storage Available (Ac-Ft)*	-	1.662 ACFT	-	-		
Lowest Elevation at Top of Embankment (If Applicable)	-	824.92	-	-		
Average Elevation at Top of Embankment (If Applicable)	-	-	-	-	N/A	
Maximum Bottom Elevation	-	820.60	-	-		
Average Pond Bottom Elevation	-	820.10	-	-		
Pond Bottom Area (Ac)	-	0.126 AC	-	-		
Maximum Pond Depth	-	-	-	-	N/A	
Average Pond Depth	-	4.82 FT	-	-		
Average Permanent Pool Depth (Wet Ponds)	-	-	-	-	N/A	

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

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

Deerfield Subdivision Retention Pond – SWP14N003

Overview



Outlet OT14N003



Deerfield Subdivision Retention Pond – SWP14N003

Inlet IN14N003 and Overflow YB14N009



Emergency Overflow



Deerfield Subdivision Retention Pond – SWP14N003

Repairs Needed (12/2010)

- Remove gravel from concrete channel near IN14N003



- Verify Overflow structure is not clogged with debris



Deerfield Subdivision Retention Pond – SWP14N003

Other Items (12/2010)

- Investigate legality of burn pit behind retention pond under power lines



Sketch Outlet

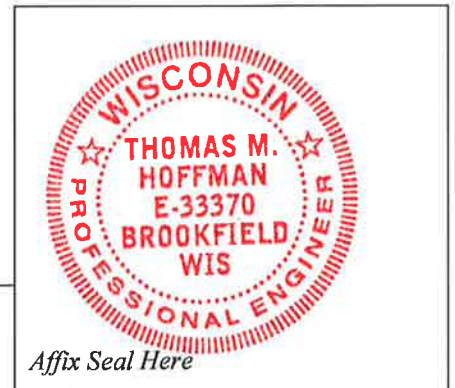
Place Photograph of Pond

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: 10/13/2010

Certifying
Professional Name: Thomas M Hoffman
Phone Number: 262-532-4415



Date: 7/23/2014

Signature: Thomas M Hoffman

Affix Seal Here

2010

$$H = 4.82 \text{ FT}$$

$$A_1 = 0.126 \text{ AC}$$

$$A_2 = 0.275 \text{ AC}$$

14N003

DEERFIELD SUBD POND

$$V = \left(\frac{H}{3}\right) (A_1 + A_2 + (A_1 + A_2)^{1/2})$$

$$V = \left(\frac{4.82 \text{ FT}}{3}\right) (0.126 \text{ AC} + 0.275 \text{ AC} + \sqrt{0.126 \text{ AC} + 0.275 \text{ AC}})$$

$$V = (1.607 \text{ FT}) (0.401 \text{ AC} + 0.633 \text{ AC})$$

$$V = (1.607 \text{ FT}) (\overset{1.034 \text{ AC}}{\cancel{0.254 \text{ AC}}})$$

$$\underline{\underline{V = 0.408 \text{ AC FT}}}$$

V

V = 1.662 AC FT CRG 12/13/10
CRG 3/12/14

Deerfield Subd on Countryside Dr - MNFV0054271 Pond Inspection 101310 CMG

054014
& MARGARET LEFEVER
939 HILLTOP DR

MNFV0054258
THOMAS DANIELS
W152N7930 COUNTRYSIDE DR

SN14N136
825.76
825.98

GOLDENROD DR

COUNTRYSIDE DR

MNFV0054015
JOAN M TATOMIROV
W151N7917 HILLTOP DR

MNFV0054271
VILLAGE OF MENOMONEE FALLS

MNFV0054046
HILDEGARD R MAYER
W151N7901 HILLTOP DR

MNFV0054257
CYNTHIA A REPINSKI &
N79W15273 GOLDENROD DR

MNFV0054137
RICHARD & NANCY THOM
W152N7894 COUNTRYSIDE DR

MNFV0054136
DAVID P MERKEL &
W152N7891 COUNTRYSIDE DR

SN14N137
823.58
824.95



1 inch = 23 feet

