



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

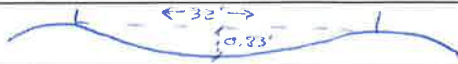
Dry Pond	X
Wet Pond	
Other	

Description: SWP14N003
U-0237

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

Year Pond Constructed 1987 Year of Last Certification 2010

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	819.02	-	-	12" RCP IN GOOD CONDITION
Downstream Invert	818.76	818.98	-	-	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	822.95	-	-	
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	824.88	-	-		
Length of spillway (feet)	21.0 FT	32.0 FT	-	-		
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	-	N	REMOVR DEBRIS FROM CONCRETE CHANNEL			
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, LEAVES AT MOUTH OF PIPE	
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	824.88	-	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	-	-	-	N/A	
Area at Design High Water Elevation (Ac)	-	0.255 AC	-	-		
Active Storage Available (Ac-Ft)*	-	1.697 ACFT	-	-		
Lowest Elevation at Top of Embankment (If Applicable)	-	824.88	-	-		
Average Elevation at Top of Embankment (If Applicable)	-	825.00	-	-		
Maximum Bottom Elevation	-	820.65	-	-		
Average Pond Bottom Elevation	-	820.20	-	-		
Pond Bottom Area (Ac)	-	0.129 AC	-	-		
Maximum Pond Depth	-	6.03FT	-	-		
Average Pond Depth	-	5.5 FT	-	-		
Average Permanent Pool Depth (Wet Ponds)	-	-	-	-	N/A	

*To Determine Active Storage $V = \left(\left(\frac{H}{3} \right) \left(A1 + A2 + \left(\left(A1 + A2 \right)^{\wedge} \left(\frac{1}{2} \right) \right) \right) \right)$
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 (Countryside & Goldenrod)
Retention Pond – SWP14N003
Overview



Outlet OT14N003



Deerfield Subdivision (Countryside & Goldenrod)
Retention Pond – SWP14N003

Investigate Brush Pile / Fire Pit on Easterly lot line under Power lines.
(12/2013)



Deerfield Subdivision (Countryside & Goldenrod)
Retention Pond – SWP14N003
Other Items (12/2010)

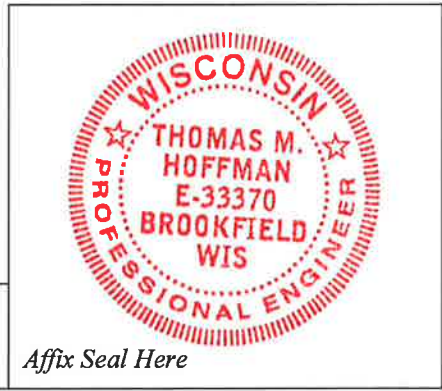
- Investigate legality of burn pit behind retention pond under power lines
(2010)



<p><i>Sketch Outlet</i></p>	<p><i>Place Photograph of Pond</i></p>
	<p><i>Place Photograph of Pond</i></p>

Inspection Firm:	VILLAGE OF MENOMONEE FALLS	Inspector Name :	CHRISTOPHER M GARIEPY
Phone Number:	262-532-4411	Inspection Date:	11/14/2013
Address:	W156N8480 PILGRIM RD		
	MENOMONEE FALLS, WI		
	53051		

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



Date: <u>7/23/2014</u>	Signature: 
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Affix Seal Here

$$H = (8 \times 4.88 \cdot 819.8) = 5.08 \text{ FT}$$

$$A_1 = 5,603.2 \text{ FT}^2 (A_1 43,560 \text{ FT}^2) = 0.1286 \text{ AC}$$

$$A_2 = \frac{12,507.7 \text{ FT}^2 \left(\frac{\text{AC}}{43,560 \text{ FT}^2} \right) = 0.2871 \text{ AC}}{11,091.58 \text{ FT}^2}$$

Consolidate FCZ to Natural Parcel

2013
14N003

$$V = \left(\frac{H}{3} \right) (A_1 + A_2 + \sqrt{A_1 + A_2})$$

$$V = \left(\frac{5.08 \text{ FT}}{3} \right) (0.1286 \text{ AC} + 0.2871 \text{ AC} + \sqrt{0.1286 \text{ AC} + 0.2871 \text{ AC}})$$

$$V = \left(\frac{1.69\bar{3}}{\text{FT}} \right) (0.4157 \text{ AC} + \sqrt{0.4157 \text{ AC}})$$

$$V = (1.69\bar{3} \text{ FT}) (0.4157 \text{ AC} + 0.6447 \text{ AC})$$

$$V = 1.69\bar{3} \text{ FT} (1.0604 \text{ AC})$$

$$V = 1.7538 \text{ AC FT}$$

$\sqrt{27/14}$ CMG

$$V = \left(\frac{5.08 \text{ FT}}{3} \right) (0.1286 \text{ AC} + 0.2546 \text{ AC} + \sqrt{0.1286 \text{ AC} + 0.2546 \text{ AC}})$$

$$V = (1.69\bar{3} \text{ FT}) (0.3832 \text{ AC} + \sqrt{0.3832 \text{ AC}})$$

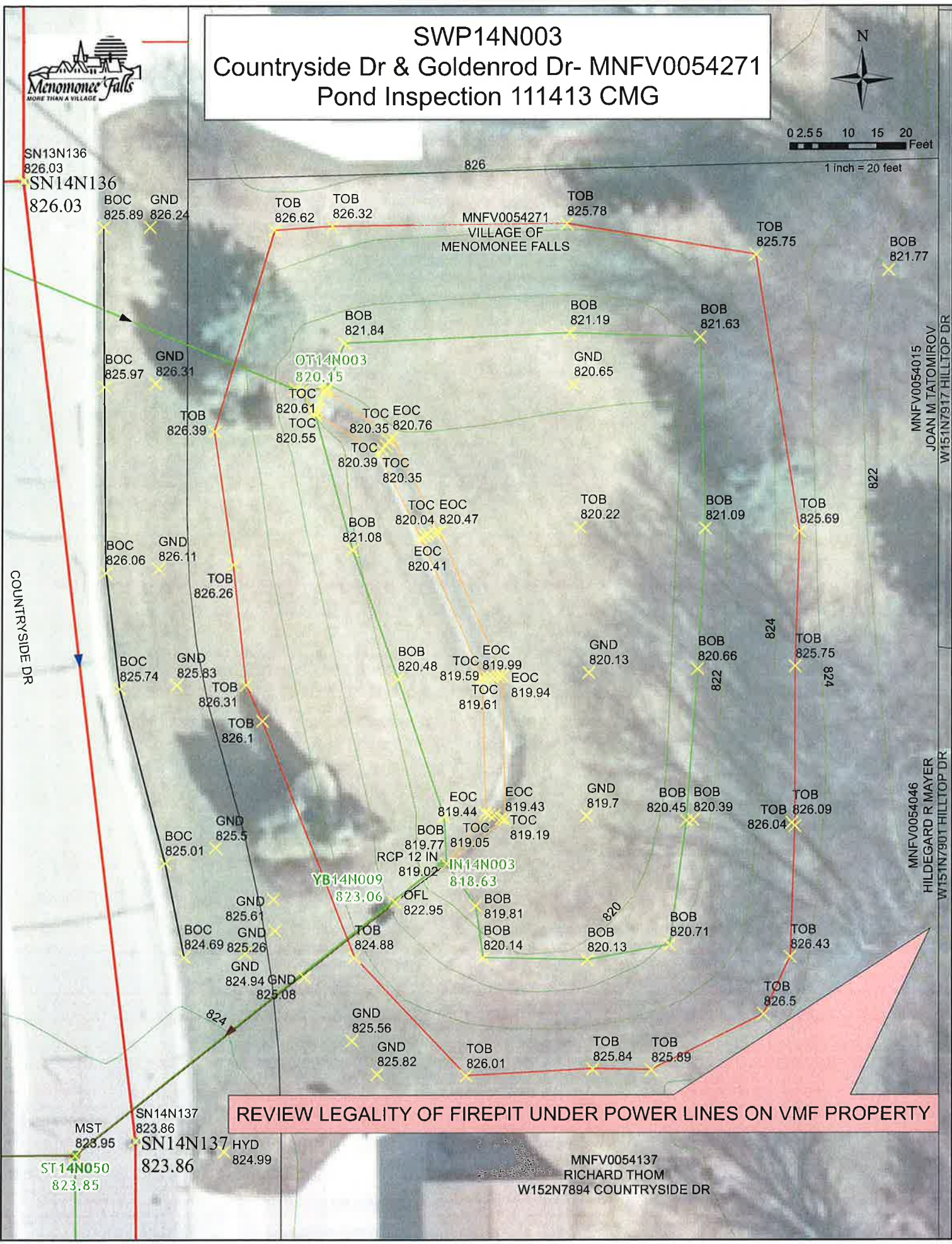
$$V = 1.69\bar{3} \text{ FT} (1.0022 \text{ AC})$$



SWP14N003

Countryside Dr & Goldenrod Dr- MNFV0054271

Pond Inspection 111413 CMG



REVIEW LEGALITY OF FIREPIT UNDER POWER LINES ON VMF PROPERTY

MNFV0054137
RICHARD THOM
W152N7894 COUNTRYSIDE DR

SWP14N003 COUNTRYSIDE DR

ANFV 0054.271

Localize to Monument
MANHOLES

~~NW 14W 14N 4CR~~
NOT UPDATED

MONUMENTS

- ~~15WE HV~~
- ~~15E HV~~
- ~~14S HV~~
- ~~14SE H -~~
- ~~14E -V~~
- ~~14NE -V~~
- ~~14N -V~~

2013
GPS

②
SW14N134
N 429,297.81
E 2,507,017.83
Z 825.54

①
SW14N133
N 429,130.27
E 2,506,697.93
Z 826.02

③
SW14N136
N 429,137.95
E 2,507,018.14
Z 826.03

⑤
SW14N145
N 428,716.81
E 2,506,631.90
Z 828.26

④
SW14N137
N 428,971.72
E 2,507,037.68
Z 823.86

⑥
SW 14N 146
N 428,829.72
E 2,507,038.50
Z 822.50

