



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 PHEASANT HILLS II & III
 Property Tax ID Number 0054245 & 0054315 Address of Property _____

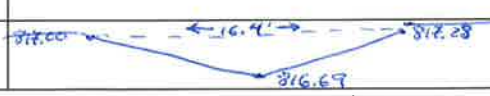
Dry Pond	X
Wet Pond	
Other	

Description: SWP14N004
P-0143, U-0289

Location Of Pond SOUTHWEST CORNER OF
CROSSWAY DR &
COUNTRYSIDE DR

Year Pond Constructed 1986 & 1987 Year of Last Certification 2008

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe (IN14N005)					Outlet Pipe Material
Opening Diameter (inches)	12" RCP	12" RCP	-	-	1) 12" RCP IN GOOD CONDITION, 2) REMOVE DEBRIS FROM CONC. CHANNEL
Upstream Invert	807.00	806.96	-	-	
Downstream Invert	806.87	806.42	-	-	
Length (feet)	15.0 FT	11.2 FT	-	-	
Slope (%)	0.0087%,	0.0482%,	-	-	ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Secondary Outlet Pipe	N/A				Outlet Pipe Material
Opening Diameter (inches) (IN14N004)	12" RCP	12" RCP	-	-	12" RCP IN GOOD CONDITION
Upstream Invert	816.00	816.36	-	-	
Downstream Invert	811.50	810.93	-	-	
Length (feet)	30.0 FT	29.3 FT	-	-	
Slope (%)	0.1500%,	0.1853%,	-	-	
Riser	N/A				Riser Material
Opening Diameter (inches) (YB14N013)	N/A	24"	-	-	24" DIA. CAST IRON MH ON CONC BASE RIM ELEV: 812.38
Elevation	806.87	812.38	-	-	
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	N/A	816.69	-	-		
Length of spillway (feet)	N/A	16.4 FT	-	-		
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	-	N	1) CONCRETE CHANNEL IN GOOD CONDITION 2) REMOVE DEBRIS FROM CONCRETE CHANNEL			
Animal burrows or slope erosion or hole	-	N				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1 (OT14N004)	RCP - 30"		NORTHWEST CORNER		30" RCP IN GOOD CONDITION, GRATE IN PLACE	
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	N/A	816.69	-	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	-	-	-	N/A	
Area at Design High Water Elevation (Ac)	N/A	0.331 AC	-	-		
Active Storage Available (Ac-Ft)*	N/A	2.675 ACFT	-	-		
Lowest Elevation at Top of Embankment (If Applicable)	818.00	816.69	-	-		
Average Elevation at Top of Embankment (If Applicable)	818.00	818.50	-	-		
Maximum Bottom Elevation	807.00	806.96	-	-		
Average Pond Bottom Elevation	809.00	808.00	-	-		
Pond Bottom Area (Ac)	N/A	0.014 AC	-	-		
Maximum Pond Depth	15.0 FT	9.7 FT	-	-		
Average Pond Depth	10.0 FT	8.6 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

Pheasant Hills II & III (Crossway & Countryside) Retention Pond - SWP14N004

Overview



OT14N004



Pheasant Hills II & III (Crossway & Countryside) Retention Pond - SWP14N004

Repairs Needed (12/2013)

- Remove Gravel, Grass, Leaves form Concrete Channel



Sketch Outlet

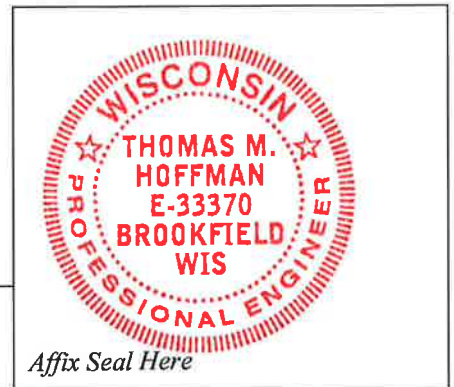
Place Photograph of Pond

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: 11/14/2013

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



Date: 7/23/2014

Signature: Thomas M. Hoffman

$$H = 816.69 - 80.08 = 8.61 \text{ FT}$$

$$A_1 = 593.05 \text{ SF} \left(\frac{\text{AC}}{43,500 \text{ SF}} \right) = 0.0136 \text{ AC}$$

$$A_2 = 14,431.6 \text{ SF} \left(\frac{\text{AC}}{43,500 \text{ SF}} \right) = 0.3313 \text{ AC}$$

2013

14J004

Countywide Crossing / Pleasant Hill, II + III

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

$$V = \left(\frac{8.61 \text{ FT}}{3} \right) (0.0136 \text{ AC} + 0.3313 \text{ AC} + \sqrt{0.0136 \text{ AC} \times 0.3313 \text{ AC}})$$

$$V = (2.87 \text{ FT}) (0.3449 + \sqrt{0.3449 \text{ AC}})$$

$$V = 2.87 \text{ FT} (0.9322 \text{ AC})$$

$$V = 2.6754 \text{ AC FT}$$

1/29/14 CMG

SWP14N004 CROSSWAY DR

2013
GPS

Localities to MHS 1-6
MNFV 0054315
MNPV 0054245

②
SN14N160
N 428,093.86
E 2,506,706.82
Z 823.30

③
SN14N161
N 428,093.83
E 2,506,787.20
Z 821.81

④
SN14N162
N 428,042.29
E 2,506,943.09
Z 817.56

⑤
SN14N63
N 428,038.74
E 2,507,042.64
Z 815.44

①
SN14N159
N 427,882.48
E 2,506,706.62
Z 826.85

⑥
SN14N164
N 427,805.07
E 2,507,031.67
Z 822.26

