



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 & Address of Property
0054315

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 2013

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe (ST005347)					Outlet Pipe Material
Opening Diameter (inches)	12" RCP	12" RCP	-	-	1) 12" RCP IN GOOD CONDITION, 2) REMOVE DEBRIS FROM CONC. CHANNEL ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Upstream Invert	807.00	806.93	-	-	
Downstream Invert	806.87	806.42	-	-	
Length (feet)	15.0 FT	8.0 FT	-	-	
Slope (%)	0.0087'/',	0.0638'/',	-	-	
Secondary Outlet Pipe	N/A				Outlet Pipe Material
Opening Diameter (inches) (ST005348)	12" RCP	12" RCP	-	-	12" RCP IN GOOD CONDITION
Upstream Invert	816.00	816.16	-	-	
Downstream Invert	811.50	810.93	-	-	
Length (feet)	30.0 FT	26.7 FT	-	-	
Slope (%)	0.1500'/',	0.1959'/',	-	-	
Riser	N/A				Riser Material
Opening Diameter (inches) (YB14N013)	N/A	24"	-	-	24" DIA. CAST IRON MH ON CONC BASE RIM ELEV: 812.23
Elevation	806.87	812.23	-	-	
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	N/A	816.80	-	-		
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 (ST003127)	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: GEOMAX ZENITH35 & CARLSON SURVEYOR2 WITH SURV CE v5.04
Design High Water Elevation	N/A	816.80	-	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	-	-	-	N/A	
Area at Design High Water Elevation (Ac)	N/A	0.335 AC	-	-		
Active Storage Available (Ac-Ft)*	N/A	2.836 ACFT	-	-		
Lowest Elevation at Top of Embankment (If Applicable)	818.00	816.80	-	-		
Average Elevation at Top of Embankment (If Applicable)	818.00	818.50	-	-		
Maximum Bottom Elevation	807.00	808.89	-	-		
Average Pond Bottom Elevation	809.00	808.00	-	-		
Pond Bottom Area (Ac)	N/A	0.029 AC	-	-		
Maximum Pond Depth	15.0 FT	9.9 FT	-	-		
Average Pond Depth	10.0 FT	8.8 FT	-	-		
Average Permanent Pool Depth (Wet Ponds)	-	-	-	-	N/A	

*To Determine Active Storage $V = \left(\left(\frac{H}{3} \right) \left(A_1 + A_2 + \left(\left(A_1 + A_2 \right)^{\wedge} \left(\frac{1}{2} \right) \right) \right) \right)$
 Wet Ponds Use H = Height of Section , A_1 = area at normal water elevation, A_2 =area at top section
 Dry Ponds Use H = Height of Section, A_1 = pond bottom area, A_2 =area at top section

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

Overview



ST003127



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

ST008014, ST005346, ST005347, & ST005348



Repairs Needed (8/2018)

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: 08/08/2018

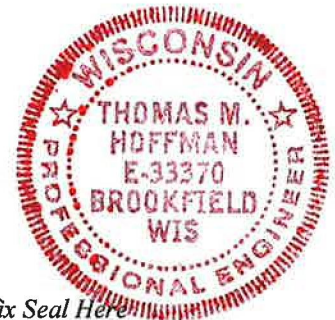
Certifying Professional Name: THOMAS M. HOFFMAN
Phone Number: (262) 532-4415

Date:

4/3/2019

Signature:

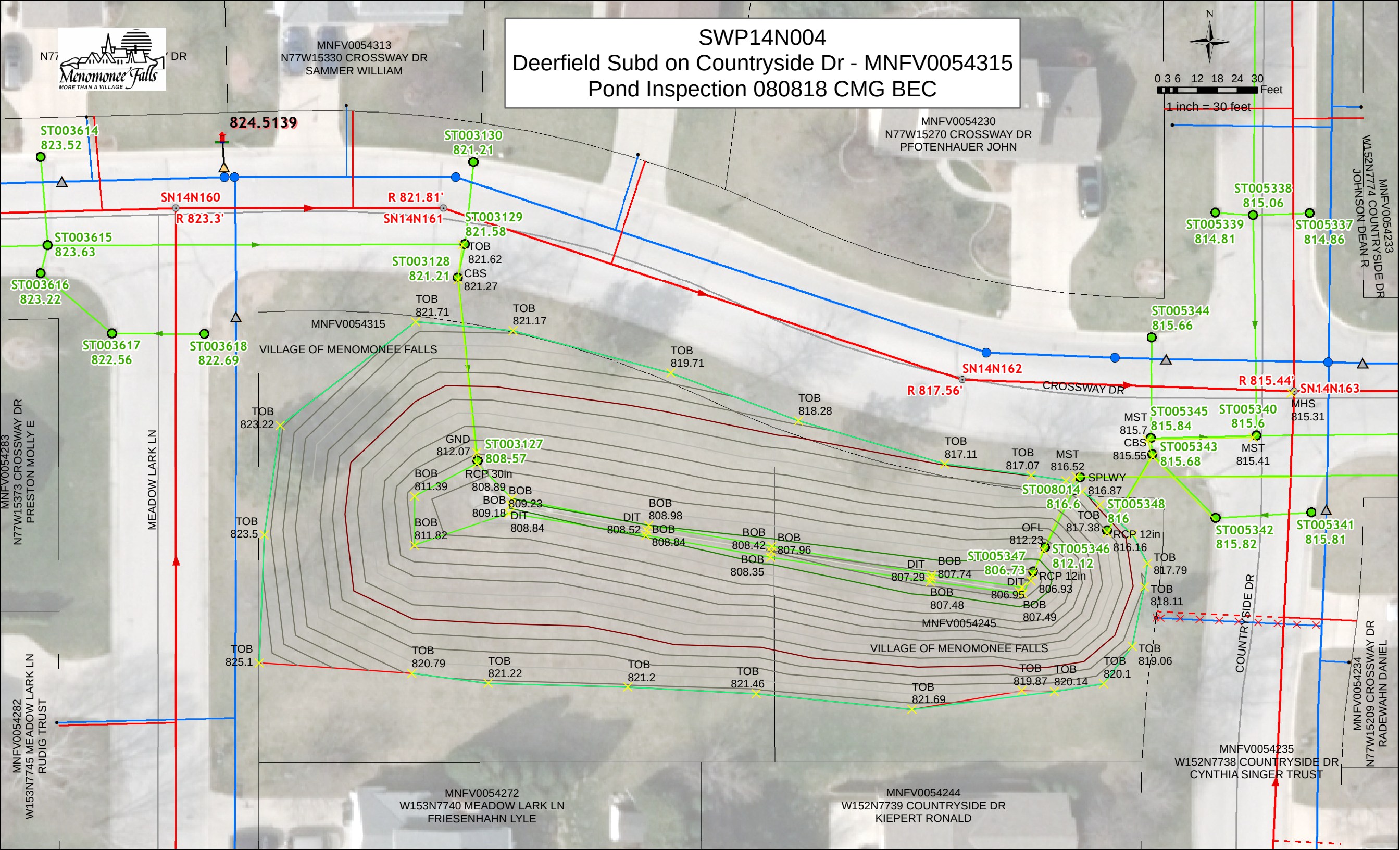
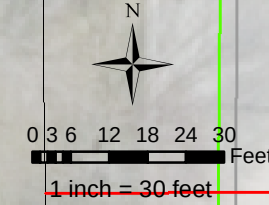




Affix Seal Here



SWP14N004
Deerfield Subd on Countryside Dr - MNFV0054315
Pond Inspection 080818 CMG BEC



$$H = 816.80 - 808.90 = 7.90 \text{ FT}$$

$$A_1 = 0.029 \text{ AC}$$

$$A_2 = 0.335 \text{ AC}$$

2018

14N004

Crossway + Countywide

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

$$V = \left(\frac{7.90 \text{ FT}}{3} \right) (0.029 \text{ AC} + 0.335 \text{ AC} + \sqrt{0.029 \text{ AC} \times 0.335 \text{ AC}})$$

$$V = (2.933 \text{ FT}) (0.364 \text{ AC} + \sqrt{0.364 \text{ AC}})$$

$$V = (2.933 \text{ FT}) (0.364 \text{ AC} + 0.603 \text{ AC})$$

$$V = (2.933 \text{ FT}) (0.967 \text{ AC})$$

$$V = 2.836 \text{ AC FT} \checkmark \text{ on 3/16/18}$$