



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	11 NW	Name of Business/Subdivision	VMF COMMUNITY CENTER
Property Tax ID Number	0042973005	Address of Property	W153 N8681 MARGARET RD
			MENOMONEE FALLS, WI 53051

Dry Pond	X
Wet Pond	
Other	

Description: SWP11N002

Location Of Pond
WEST OF ENTRANCE TO
COMMUNITY CENTER OFF OF
MENO RVR PKWY

Year Pond Constructed 1995 Year of Last Certification 2013

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe (ST006390)					Outlet Pipe Material
Opening Diameter (inches)	NOT LISTED	15"	-	-	15" RCP IN GOOD CONDITION
Upstream Invert	756.50	757.67	-	-	
Downstream Invert	756.41	757.24	-	-	
Length (feet)	20.0 FT	13.9 FT	-	-	
Slope (%)	0.0045',	0.0309',	-	-	
Secondary Outlet Pipe	N/A				Outlet Pipe Material
Opening Diameter (inches)			-	-	
Upstream Invert			-	-	
Downstream Invert			-	-	
Length (feet)			-	-	
Slope (%)			-	-	
Riser	N/A				Riser Material
Opening Diameter (inches)			-	-	
Elevation			-	-	
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	-		-	-		
Length of spillway (feet)	-		-	-		
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 (ST011221)	RCP - 12"		NORTHWEST CORNER		RCP IN GOOD CONDITION, RIPRAP IN END SECTION	
Outfall 2 (ST011227)	RCP – 24"		EAST EMBANKMENT		RCP IN GOOD CONDITION, RIPRAP IN END SECTION	
Outfall 3 (ST015054)	CORRUGATED PVC – 12"		NORTHWEST CORNER		GOOD CONDITION	
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	762.00	762.43	-	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	-	-	-	N/A	
Area at Design High Water Elevation (Ac)	-	0.195 AC	-	-		
Active Storage Available (Ac-Ft)*	-	1.084 ACFT	-	-		
Lowest Elevation at Top of Embankment (If Applicable)	762.00	762.43	-	-		
Average Elevation at Top of Embankment (If Applicable)	-	-	-	-	N/A	
Maximum Bottom Elevation	758.00	758.44	-	-		
Average Pond Bottom Elevation	757.75	758.40	-	-		
Pond Bottom Area (Ac)	-	0.085 AC	-	-		
Maximum Pond Depth	5.5 FT	3.98 FT	-	-		
Average Pond Depth	4.25 FT	4.02 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

Margaret Rd Retention Pond (West) - SWP11N002

Overview



Outlet ST015054



Outlet ST011221



Outlet ST011227



Margaret Rd Retention Pond (West) - SWP11N002

Manhole ST011228 & Inlet ST011229



Outlet ST006390



Margaret Rd Retention Pond (West) - SWP11N002

Repairs Needed (8/2018)

None

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, P.E.

Phone Number: (262) 532-4415



Date:

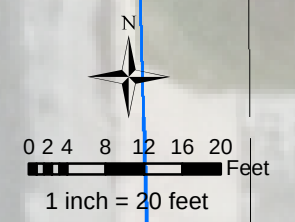
4/3/2019

Signature:

[Handwritten Signature]

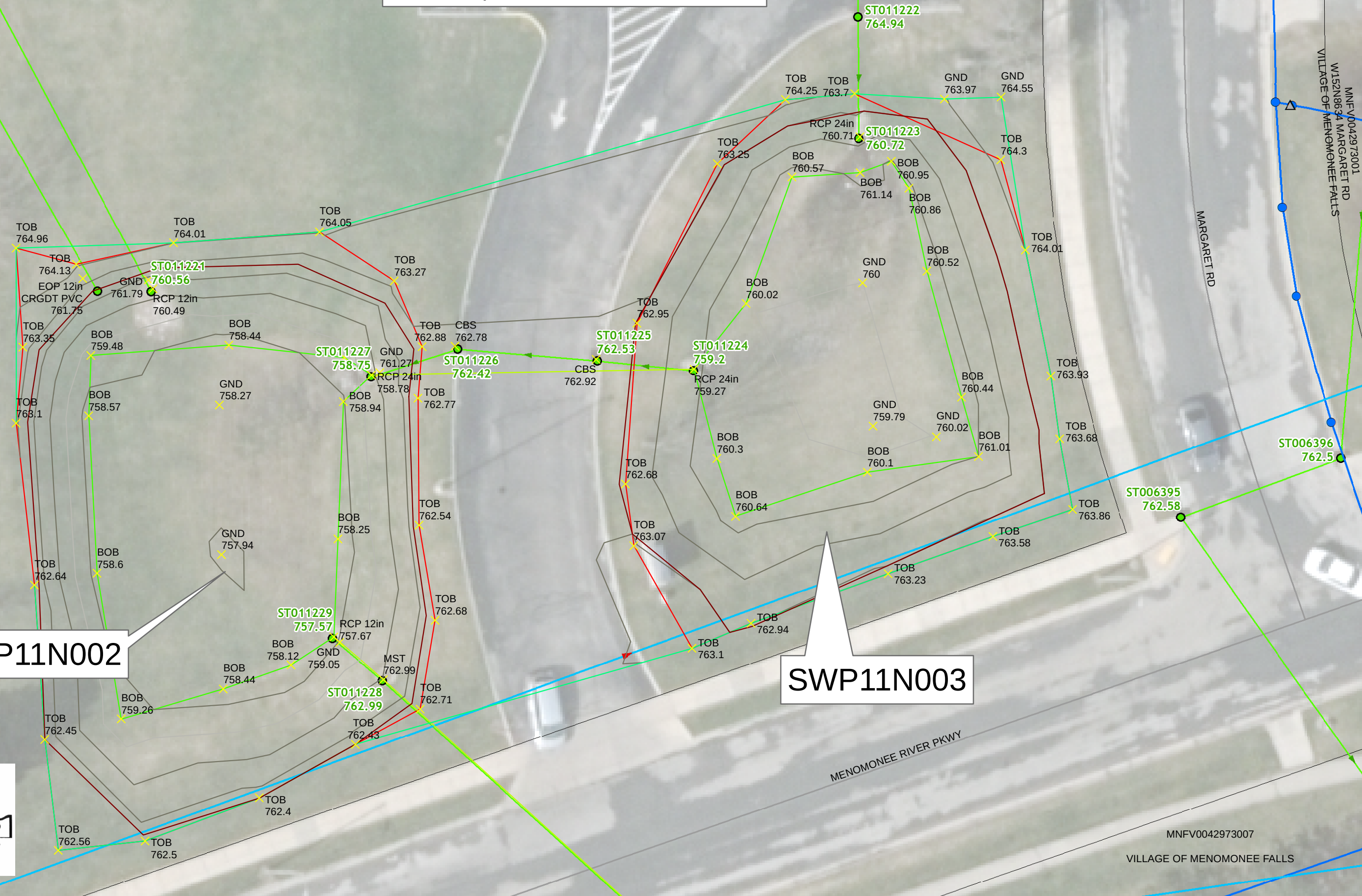
Affix Seal Here

SWP11N002-SWP11N003
Margaret Ave - MF School Dist
MNFV0042973005
Pond Inspection 080818 CMG BEC



SWP11N002

SWP11N003



$$H = 762.42 - 758.40 = 4.02 \text{ FT}$$

$$A_1 = 0.085 \text{ AC}$$

$$A_2 = 0.195 \text{ AC}$$

2018

11N002

Marginal Road West

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

$$V = \left(\frac{4.02 \text{ FT}}{3} \right) (0.085 \text{ AC} + 0.195 \text{ AC} + \sqrt{0.085 \text{ AC} \times 0.195 \text{ AC}})$$

$$V = (1.34 \text{ FT}) (0.28 \text{ AC} + \sqrt{0.28 \text{ AC}})$$

$$V = (1.34 \text{ FT}) (0.28 \text{ AC} + 0.529 \text{ AC})$$

$$V = (1.34 \text{ FT}) (0.809 \text{ AC})$$

$$V = 1.084 \text{ AC FT} \quad \checkmark \quad \text{cms} \quad 8/15/18$$