



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	15 SE	Name of Business/Subdivision	COMBINED PUBLIC WORKS
Property Tax ID Number	0060965001	Address of Property	FACILITY
			N72W15756 GOOD HOPE RD
			MENOMONEE FALLS, WI 53051

Dry Pond	
Wet Pond	X
Other	

Description: SWP15S005
P-0180

Location Of Pond WEST OF ENTRANCE TO
PUBLIC WORKS FACILITY ON
GOOD HOPE RD

Year Pond Constructed 2017 Year of Last Certification N/A

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe (ST015921)					Outlet Pipe Material
Opening Diameter (inches)	12" RCP	12" RCP	-	-	12" RCP IN GOOD CONDITION
Upstream Invert	849.00	849.00	-	-	
Downstream Invert	848.25	848.00	-	-	
Length (feet)	75.0 FT	101.4 FT	-	-	
Slope (%)	0.0100',	0.0099',	-	-	
Secondary Outlet Pipe	N/A				Outlet Pipe Material
Opening Diameter (inches)			-	-	
Upstream Invert			-	-	
Downstream Invert			-	-	
Length (feet)			-	-	
Slope (%)			-	-	
Riser					Riser Material
Opening Diameter (inches) (ST015921)	36"x36"	36"x36"	-	-	REINFORCED CONCRETE STRUCTURE IN GOOD CONDITION
Elevation	853.00	853.15	-	-	
Upper Discharge Control					
Opening Diameter (inches)	8"	8"	-	-	
Elevation	850.75	850.72	-	-	

Combined Public Works Facility (SW Pond) - SWP15S005

Overview



Outlet ST015918



Outlet ST015920



Combined Public Works Facility (SW Pond) - SWP15S005

Overflow ST015921



RipRap Parking Lot Drainage



RipRap Spillway



Repairs Needed (8/2018)

None

Sketch Outlet

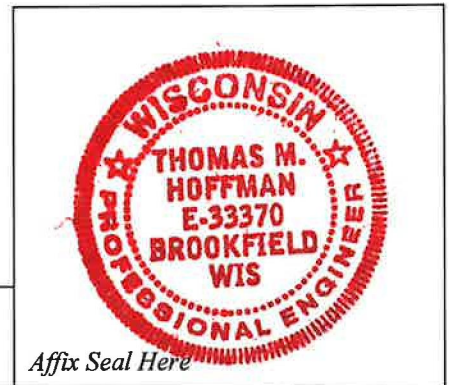
Place Photograph of Pond

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: 08/10/2018

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



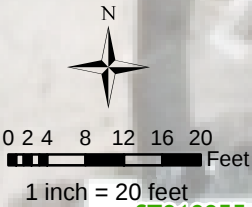
Date: 4/3/2019

Signature: [Handwritten Signature]

Affix Seal Here

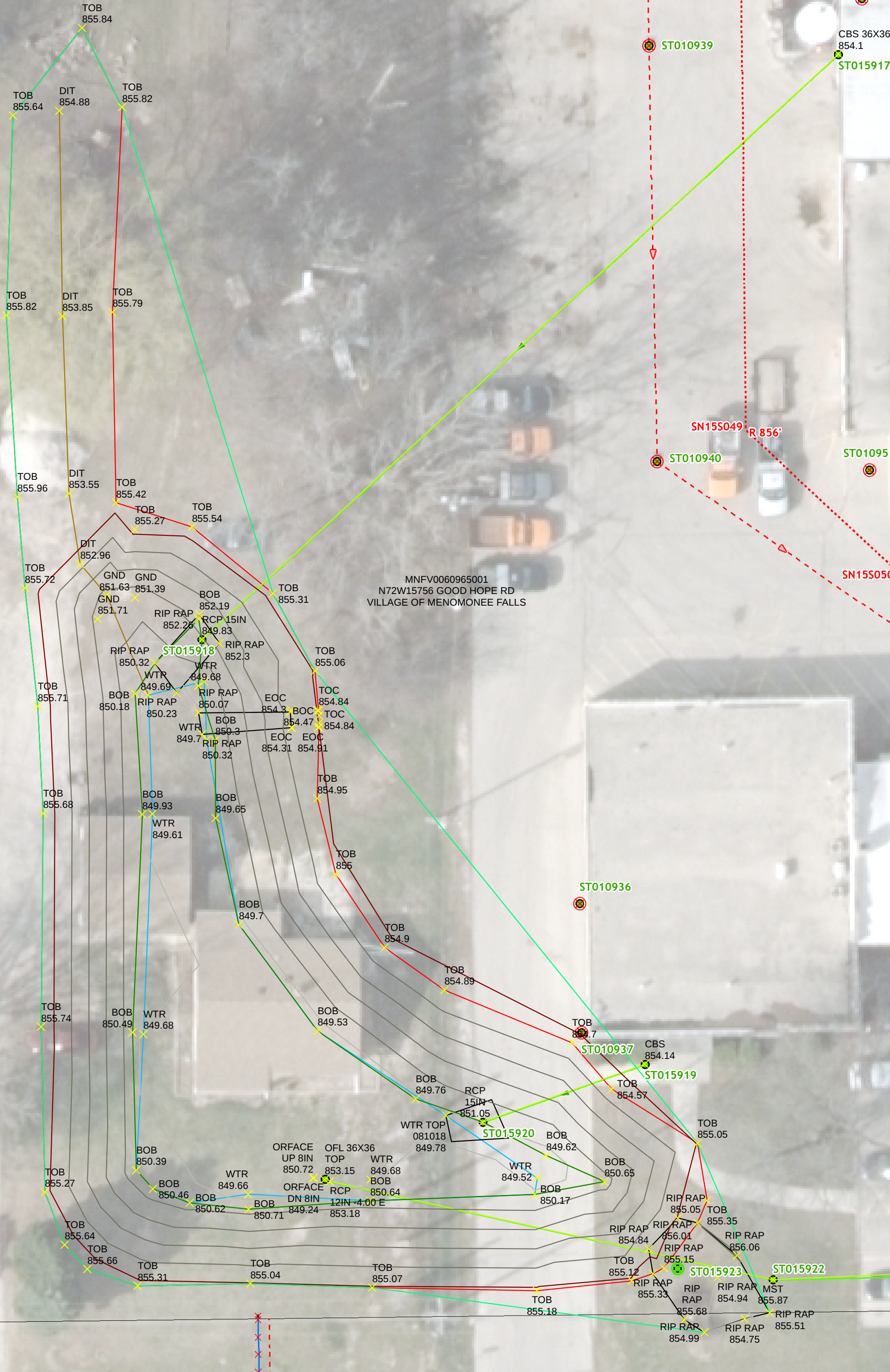


SWP15S005
Combined Public Works Facility - MNFV0060965001
Pond Inspection 081018 CMG BEC



MNFV0060970
N72W15982 GOOD HOPE RD
LOB TIMOTHY W

MNFV0060965001
N72W15756 GOOD HOPE RD
VILLAGE OF MENOMONEE FALLS



$$H = 855.10 - 849.78 = 5.32'$$

$$A_1 = 0.105AC$$

$$WATER AREA = 4013.15' = 0.092AC$$

2018
158005

$$A_2 = 0.338AC \text{ (Combined Public Works Facility (SW))}$$

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

$$V = \left(\frac{5.32'}{3} \right) (0.105AC + 0.338AC + \sqrt{0.105AC + 0.338AC})$$

$$V = (1.773FT) (0.443AC + \sqrt{0.443AC})$$

$$V = (1.773 FT) (0.443AC + 0.666AC)$$

$$V = (1.773 FT) (1.109AC)$$

$$V = (1.773 FT) (1.109AC)$$

$$V = 1.966AC \cdot FT \cdot \sqrt{cng} \quad 8/16/17$$