



VILLAGE OF MENOMONEE FALLS
W156 N8480 Pilgrim Road
Menomonee Falls, WI 53051
(262) 532-4200

STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section 34 SW Name of Business/Subdivision RUSSEL CT WETLAND/POND
Property Tax ID Number 0135996002 Address of Property _____

Dry Pond	
Wet Pond	X
Other	

Description: SWP34S002
NO PLANS FOUND

Location Of Pond EAST OF RUSSEL CT
NORTH OF LISBON RD

Year Pond Constructed N/A Year of Last Certification 2015

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	N/A	12" PVC	Y	-	12" CORRUGATED PVC IN GOOD CONDITION ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Upstream Invert (ST011244)	N/A	877.52	Y	-	
Downstream Invert (ST011245)	N/A	876.68	Y	-	
Length (feet)	N/A	131.1 FT	Y	-	
Slope (%)	N/A	0.64%	Y	-	
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	N/A	878.10	Y	-	
Length of spillway (feet)	N/A	3.0 FT	Y	-	SE CORNER OF POND, S OF ST011244, A DITCH FILLED IN NEAR SE SIDE OF POND
Embankment	Present Yes No		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	Y	-	TREES/BRUSH ON EMBANKMENT		
Animal burrows or slope erosion or hole	-	N			
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1 (ST011236)	CMP – 15” X 18”		NEAR W167N4887		RUSSEL CT D/W
Outfall 2 (ST004975)	CMP - 18”		NW CORNER OF		POND @ ROAD – CMP FAIR COND.
Outfall 3 (ST011241)	CAST IRON - 7”		EAST EMBANKMENT		NORTH MOST – FAIR COND
Outfall 4 (ST011243)	CAST IRON - 7”		EAST EMBANKMENT		CENTRAL – FAIR COND
Outfall 5 (ST011246)	CAST IRON - 5”		EAST EMBANKMENT		SOUTH MOST – FAIR COND
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	N/A	878.10	Y	-	GPS EQUIPMENT: GEOMAX ZENITH35 & CARLSON SURVEYOR2 WITH SURV CE v5.04
Design High Water Elevation	N/A	878.40	Y	-	
Area at Normal Water Elevation (Ac) (Wet Ponds)	N/A	1.709 AC	Y	-	
Area at Design High Water Elevation (Ac)	N/A	1.709 AC	Y	-	
Active Storage Available (Ac-Ft)*	N/A	0.527 ACFT	Y	-	
Lowest Elevation at Top of Embankment (If Applicable)	N/A	878.40	Y	-	
Average Elevation at Top of Embankment (If Applicable)	N/A	880.00	Y	-	
Maximum Bottom Elevation	N/A	N/A	-	-	DEPTH NOT EVALUATED
Average Pond Bottom Elevation	N/A	N/A	-	-	DEPTH NOT EVALUATED
Pond Bottom Area (Ac)	N/A	N/A	-	-	DEPTH NOT EVALUATED
Maximum Pond Depth	N/A	N/A	-	-	DEPTH NOT EVALUATED
Average Pond Depth	N/A	N/A	-	-	DEPTH NOT EVALUATED
Average Permanent Pool Depth (Wet Ponds)	N/A	N/A	-	-	DEPTH NOT EVALUATED

*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

Russell Ct Wetland – SWP34S002

Overview



Inlet ST011235



Outlet ST011236



Russell Ct Wetland – SWP34S002

Culvert ST004976



Culvert ST004975



Inlet ST011244



Outlet ST011245



Russell Ct Wetland – SWP34S002

Emergency Spillway (SE Corner) (Old Photo)



Pond Overflow Ditch to Lisbon (Old Photo)



Russell Ct Wetland – SWP34S002

Easterly Berm (Old Photos)



Looking North



Looking South

Russell Ct Wetland – SWP34S002

Repairs Needed (12/10/2020)



2015 infill of pond in northeast corner near ST011241 on easterly berm remains.



- Are there any concerns regarding the blocking of this ditch on the south side of the pond?

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: 12/10/2020

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



Date:

1/28/2021

Signature:

[Handwritten Signature]

Affix Seal Here