



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 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 UNKNOWN

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	-	-	12" PVC IN GOOD CONDITION ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Upstream Invert (IN34S027)	N/A	877.99	-	-	
Downstream Invert (OT34S019)	N/A	876.72	-	-	
Length (feet)	N/A	138.3 FT	-	-	
Slope (%)	N/A	0.0087',	-	-	
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	877.78	-	-		
Length of spillway (feet)	N/A	3.0 FT	-	-	SE CORNER OF POND, S OF IN34S027, 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 MUSKRAT/BEAVER NOTED IN POND			
Animal burrows or slope erosion or hole	-	N				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1 (OT34S018)	CMP – 15" X 18"		NEAR W167N4887		RUSSEL CT D/W – CMP CRUSHED	
Outfall 2 (CV34S020)	CMP - 18"		NW CORNER OF		POND @ ROAD – CMP FAIR COND.	
Outfall 3 (OT34S020)	CAST IRON - 7"		EAST EMBANKMENT		NORTH MOST – FAIR COND	
Outfall 4 (OT34S021)	CAST IRON - 7"		EAST EMBANKMENT		CENTRAL – FAIR COND	
Outfall 5 (IN34S030)	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	877.92	-	-	N/A	GPS EQUIPMENT: SOKKIA GSR2700ISX & CARLSON SURVEYOR+ WITH SURV CE v1.7 NO MEASUREMENTS TAKEN OF POND BOTTOM NO MEASUREMENTS TAKEN OF POND BOTTOM NO MEASUREMENTS TAKEN OF POND BOTTOM NO MEASUREMENTS TAKEN OF POND BOTTOM
Design High Water Elevation	N/A	878.25	-	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	N/A	1.667 AC	-	-	N/A	
Area at Design High Water Elevation (Ac)	N/A	1.734 AC	-	-		
Active Storage Available (Ac-Ft)*	N/A	0.577 ACFT	-	-		
Lowest Elevation at Top of Embankment (If Applicable)	N/A	877.99	-	-		
Average Elevation at Top of Embankment (If Applicable)	N/A	880.00	-	-		
Maximum Bottom Elevation	N/A	N/A	-	-		
Average Pond Bottom Elevation	N/A	N/A	-	-		
Pond Bottom Area (Ac)	N/A	N/A	-	-		
Maximum Pond Depth	N/A	N/A	-	-		
Average Pond Depth	N/A	0.33 FT	-	-		
Average Permanent Pool Depth (Wet Ponds)	N/A	-	-	-	N/A	

*To Determine Active Storage $V = \left(\frac{H}{3} \right) \left(A1 + A2 + \left((A1 + A2)^{\wedge} \left(\frac{1}{2} \right) \right) \right)$

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 IN34S026

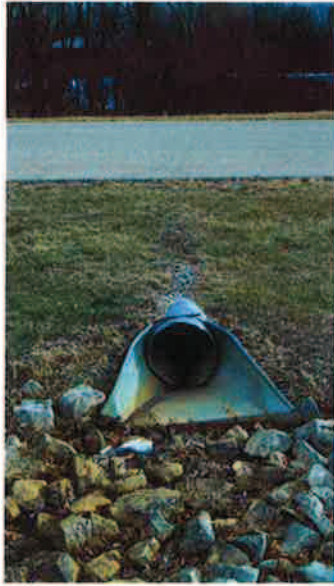


Outlet OT34S018



Russell Ct Wetland – SWP34S002

Culvert CV34S019



Culvert CV34S020



Inlet IN34S027



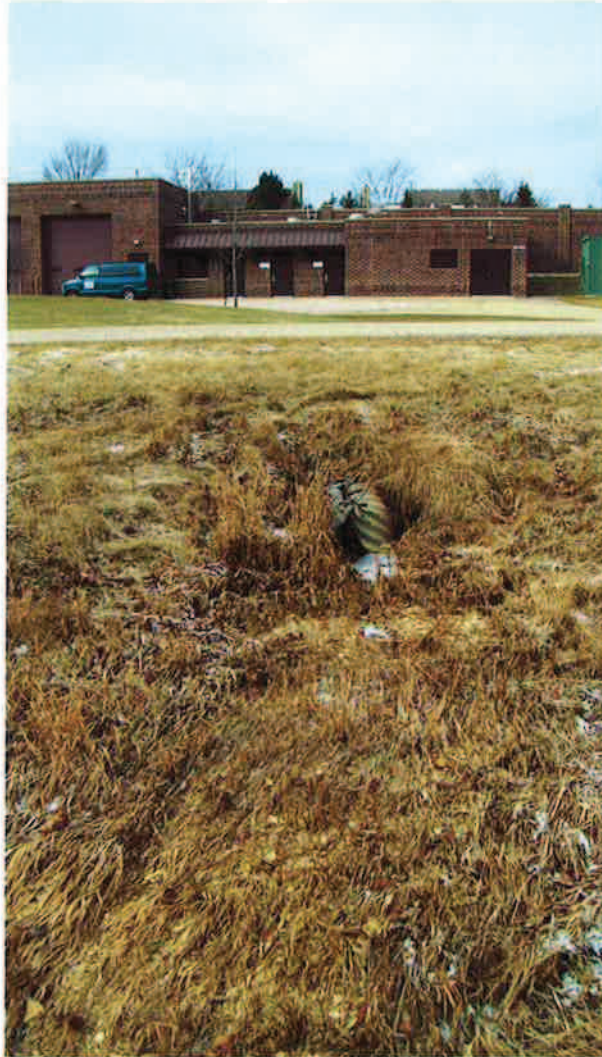
Outlet OT34S019



Russell Ct Wetland – SWP34S002

Repairs Needed (12/2010)

Outlet OT34S018



- CMP end damaged some restriction of flow.

Russell Ct Wetland – SWP34S002

Items for Investigation:

IN34S027

OT34S019



- This style of PVC piping not typically seen on Village of Menomonee Falls Property.
 - Was this pipe approved by the village?
 - Does it meet requirements?



- Does the Village of Menomonee Falls have 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: 11/5/2010

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



Date: 7/23/2014

Signature: Thomas M Hoffman

Affix Seal Here