



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		Description: <u>SWP34S002</u> <u>NO PLANS FOUND</u>	Location Of Pond	EAST OF RUSSEL CT
Wet Pond	X			NORTH OF LISBON RD
Other				

Year Pond Constructed N/A Year of Last Certification UNKNOWN

Compliance Verification	Design (Non- AsBuilt)	Actual (GPS)	Compliant Yes	Non-Compliant No	Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	N/A	12" PVC	-	-	12" PVC IN GOOD CONDITION
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%,	-	-	ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
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
Animal burrows or slope erosion or hole	-	N			MUSKRAT/BEAVER NOTED IN POND
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	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	N/A	877.92	-	-	N/A
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	-	-	NO MEASUREMENTS TAKEN OF POND BOTTOM
Average Pond Bottom Elevation	N/A	N/A	-	-	NO MEASUREMENTS TAKEN OF POND BOTTOM
Pond Bottom Area (Ac)	N/A	N/A	-	-	NO MEASUREMENTS TAKEN OF POND BOTTOM
Maximum Pond Depth	N/A	N/A	-	-	NO MEASUREMENTS TAKEN OF POND BOTTOM
Average Pond Depth	N/A	0.33 FT	-	-	
Average Permanent Pool Depth (Wet Ponds)	N/A	-	-	-	N/A

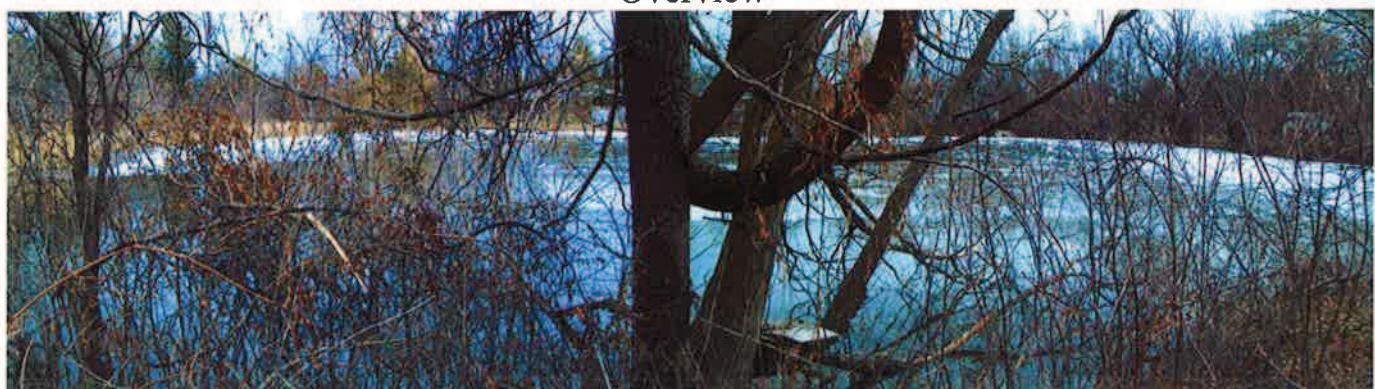
$$* \text{To Determine Active Storage } V = ((H/3)(A_1 + A_2 + ((A_1 + A_2)^{1/2})))$$

Wet Ponds Use $H = \text{Height of Section}$, $A_1 = \text{area at normal water elevation}$, $A_2 = \text{area at top section}$

Dry Ponds Use $H = \text{Height of Section}$, $A_1 = \text{pond bottom area}$, $A_2 = \text{area at top section}$

Russell Ct Wetland – SWP34S002

Overview



Inlet IN34S026



Outlet OT34S018



Russell Ct Wetland – SWP34S002

Culvert CV34S019



Culvert CV34S020



Inlet IN34S027



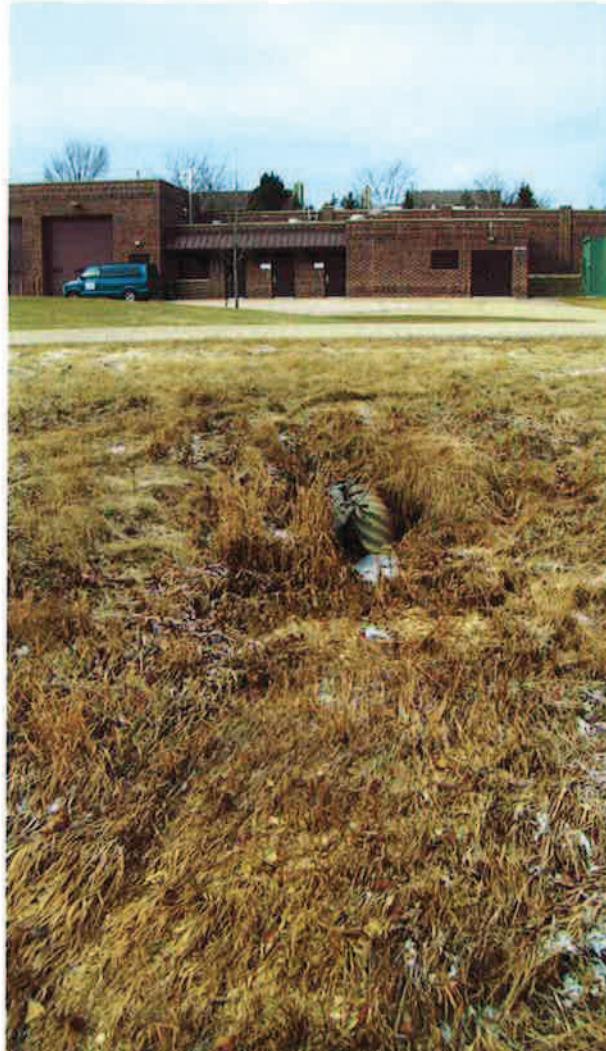
Outlet OT34S019



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?

Place Photograph of Pond

Place Photograph of Pond

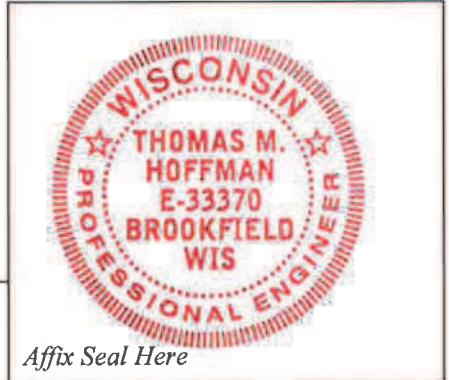
Inspection Firm:	<u>VILLAGE OF MENOMONEE FALLS</u>	Inspector Name :	<u>CHRISTOPHER M GARIEPY</u>
Phone Number:	<u>262-532-4411</u>	Inspection Date:	<u>11/5/2010</u>
Address:	<u>W156N8480 PILGRIM RD</u>		
	<u>MENOMONEE FALLS, WI</u>		
	<u>53051</u>		

Certifying
Professional Name:
Phone Number:

Thomas M Hoffman
262-532-4415

Date:
7/23/2014

Signature:
Thom M Hoffman



Affix Seal Here