



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
Property Tax ID Number
Date 7/10/2020

NE1/4 Sec31
0121-064 &
0121-066

Name of Business/Subdivision
Address of Property

Carter's Crossing
South of Silver Spring between
Lannon Rd and Townline Rd

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP31N002 & SWP31N003
Basin #3

Location of
Pond

Outlot #2 & Outlot #4

Year Pond
Constructed 2004

Year of Last
Certification 2015

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter (inches)	18"	18"	X		
Upstream Invert	834.00	833.84	X		
Downstream Invert	833.80	833.64	X		
Length (feet)	44	44'	X		
Slope (%)	0.50	0.45	X		
Secondary Outlet Pipe	(If Applicable)				
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				
Opening Diameter (inches)	36"	36"	X		
Elevation	835.75	836.09	X		
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)					
Elevation					

Compliance Verification	Design	Actual	Compliant Yes No		Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	6"	3"	X		
Elevation	834.00	834.29	X		
Other (Description)					
Opening Type and Size (inches)					
Elevation					
Emergency Spillway					
Elevation	838.60	837.52	X		
Length of spillway (feet)	30'	30'	X		
Embankment	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation		X			
Animal burrows or slope erosion		X			
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1					
Outfall 2					
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	834.00	834.50	X		-Area includes both 3a and 3 basins -Area includes both 3a and 3 basins
Design High Water Elevation	838.60	839.24	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.962	0.960	X		
Area at Design High Water Elevation (Ac)	1.651	1.701	X		
Active Storage Available (Ac-Ft)*	5.224	7.07	X		
Lowest Elevation at Top of Embankment (If Applicable)	838.60	839.24	X		
Average Elevation at Top of Embankment (If Applicable)	839.60	839.98	X		
Maximum Bottom Elevation	827	825.37	X		
Average Pond Bottom Elevation	827	828.40	X		
Pond Bottom Area (Ac)	-				
Maximum Pond Depth	7	9.13'	X		
Average Pond Depth	7	6.10'	X		
Average Permanent Pool Depth (Wet Ponds)	7	6.10'	X		

*To Determine Active Storage $V=H/3(A1+A2+(A1xA2)1/2)$

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

Sketch Outlet or Attach to Document

Place Photograph of Pond or Attach to Document

Place Photograph of Pond or Attach to Document

Attach As-built Survey to the Document for the first report submission

Inspection Firm: Harwood Engineering
Phone Number: 414-475-5554
Address: 255 N 21st Street
Milwaukee, WI 53233

Inspector Name : Nathan Schmit
Inspection Date: 07/10/2020

Certifying Professional
Name: Nathan Schmit
Phone Number: 414-918-1214

Date: 07/20/2020 Signature: 





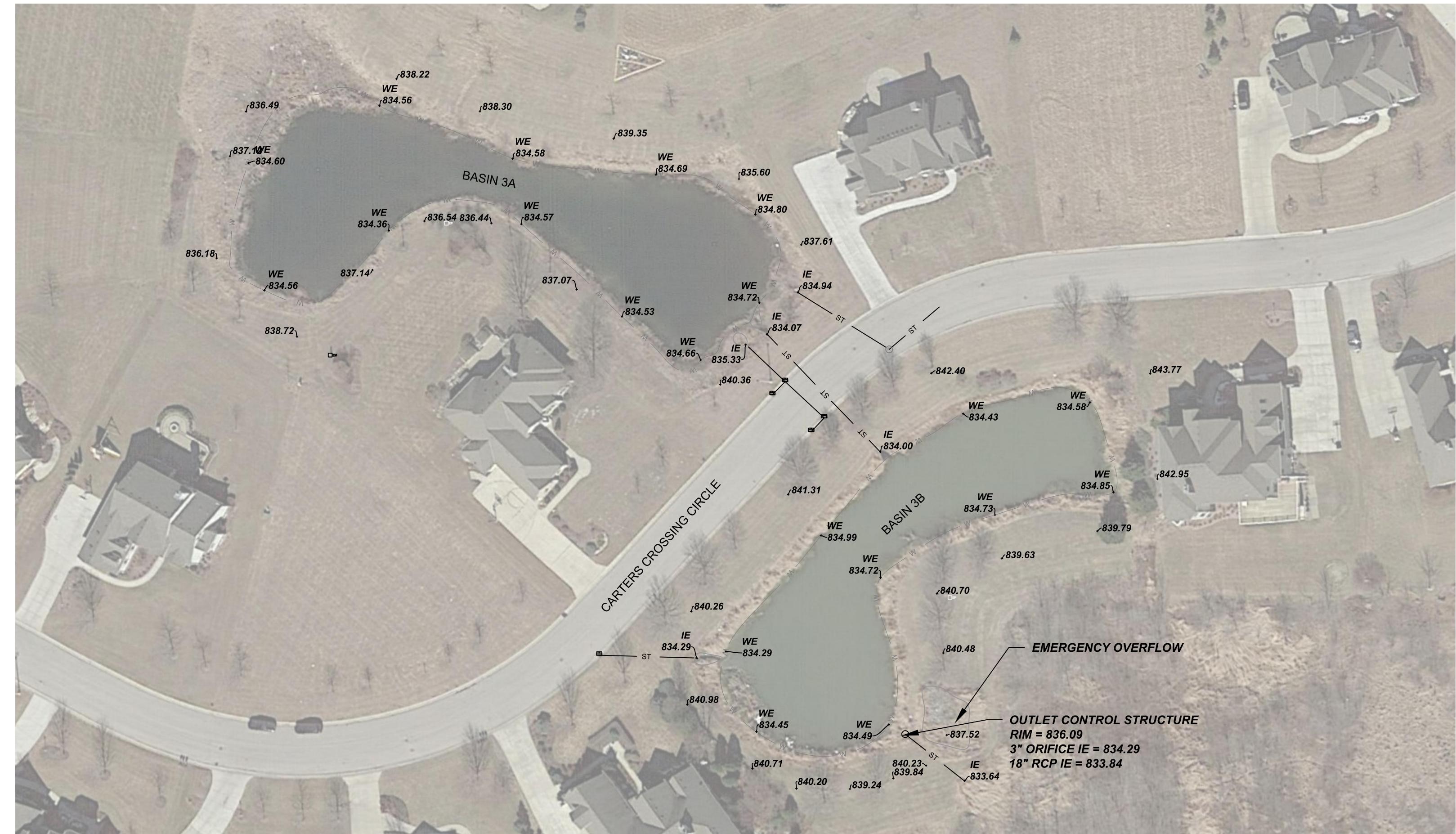
Basin #3 Emergency Overflow



Outlet Control Structure



Basin #3 Pond Overview

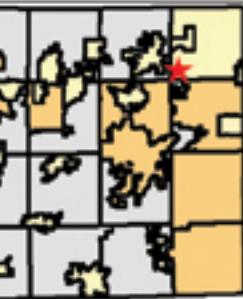




Carters Crossing Stormwater Ponds



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Legend

Photos of Interest

- Airport
- Cemetery
- Fire Station
- Hospital
- Library
- Post Office
- ▲ Park or Reservation
- School
- Unincorporated Place
- County Park
- Police Station
- Sheriff Station

Cadastral Boundaries

- Civil Division Boundaries
- Surveying Control
- Public Land Survey Lines
- Allotment Survey Lines

Land Interest Parcels

Road Rights of Way

- Dedicated
- Proposed
- Unpaved
- Reserved
- Reserve Plat
- Curb/Plat
- Curb
- Reserve Plat
- Right of Way
- Allotment
- Active
- Retired
- Other
- Streams and Creeks

Waukesha County 2007

RISB

- Red Basin, 1
- Green Basin, 2
- Blue Basin, 3

