



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 SE 1/4 Name of Business/Subdivision ENTRUST TOOL
Property Tax ID Number 0104 997016 Address of Property N58 W14630 SHAWN CIR.

Dry Pond	☐
Wet Pond	☐
Other	☒

Description: DRY BASIN

Location Of
Pond

BASIN #1
NE CORNER

Year Pond Constructed 2010

Year of Last Certification NA

Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter	18"	18"	X		
Upstream Invert	778.50	777.6	X		
Downstream Invert	778.50	777.6	X		
Length	39'	40'	X		
Slope	—	—			
Secondary Outlet Pipe	(If Applicable)				
Opening Diameter					
Upstream Invert					
Downstream Invert					
Length					
Slope					
Riser	(If Applicable)				
Opening Diameter					
Elevation					
Upper Discharge Control	(If Applicable)				
Opening Diameter					
Elevation					

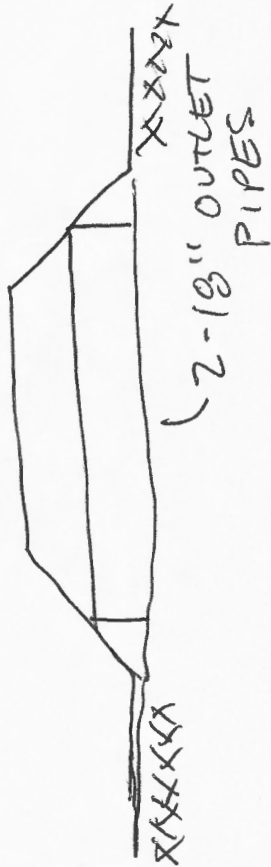
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter	NA					
Elevation						
Other (Description)						
Opening Type	NA					
Elevation						
Emergency Spillway						
Elevation	NA					
Length of spillway						
Embankment			Present Yes No			
Unauthorized plantings, trees, or woody vegetation				X		
Animal burrows or slope erosion				X		
Storage Properties	Design	Actual	Compliant Yes No		Points Surveyed	Equipment Used
Normal Water Elevation (Wet Ponds)	NA					TOTAL STATION
Design High Water Elevation	780.98	780.9	X		4	TBP OF BERM EL.
Area at Normal Water Elevation (Ac) (Wet Ponds)	NA					
Area at Design High Water Elevation (Ac)	0.12	0.14	X		12	
Active Storage Available (Ac-Ft)*	0.13	0.17	X			
Lowest Elevation at Top of Embankment (If Applicable)	NA					
Average Elevation at Top of Embankment (If Applicable)	781.0	780.9	X		4	
Maximum Bottom Elevation	778.5	777.4	X		11	
Average Pond Bottom Elevation	778.5	777.6	X		11	
Pond Bottom Area (Ac)	0.04	0.03	X		11	
Maximum Pond Depth	2.48	3.3	X			
Average Pond Depth	2.48	3.3	X			

*To Determine Active Storage $V = H/3(A1 + A2 + (A1 \times A2)^{1/2})$

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



Place Photograph of Pond

Place Photograph of Pond

Inspection Firm: CSENGINEERING LLC Inspector Name : PAULY BRUCKNER
Phone Number: 414-443-1312 Inspection Date: 11-11-15
Address: 9205 W. CENTER ST.
SUITE 214
MILWAUKEE, WI 53222

Certifying

Professional Name: RANDALL S. BRUCKNER
Phone Number: 414-443-1312



Date:

11-11-15

Signature:

Pauly Bruckner



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Dry Pond	
Wet Pond	
Other	☒

Description: DRY BASIN

Location Of
Pond

BASIN #2
WEST SIDE

Year Pond Constructed 2010

Year of Last Certification NA

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				
Opening Diameter	2.75"	3"	X	
Upstream Invert	778.5	778.0	X	
Downstream Invert	778.3	777.9	X	
Length	22	23	X	
Slope	-	0.39%	X	
Secondary Outlet Pipe (If Applicable)				
Opening Diameter				
Upstream Invert				
Downstream Invert				
Length				
Slope				
Riser (If Applicable)				
Opening Diameter				
Elevation				
Upper Discharge Control (If Applicable)				
Opening Diameter				
Elevation				

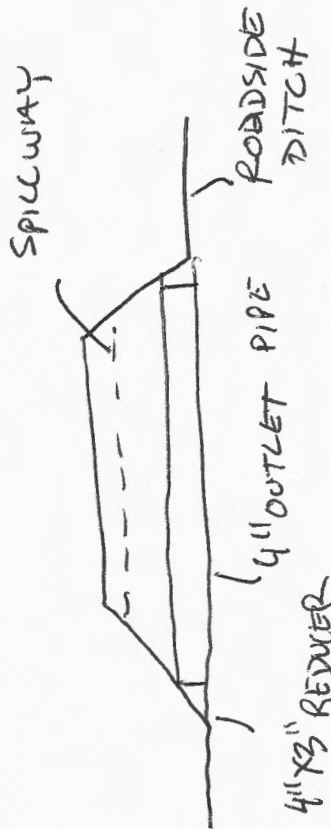
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter						
Elevation						
Other (Description)						
Opening Type						
Elevation						
Emergency Spillway						
Elevation	780.3	780.25	X			
Length of spillway	10'	11.5'	X			
Embankment			Present Yes No			
Unauthorized plantings, trees, or woody vegetation				X		
Animal burrows or slope erosion				X		
Storage Properties	Design	Actual	Compliant Yes No		Points Surveyed	Equipment Used
Normal Water Elevation (Wet Ponds)	NA					TOTAL STATION
Design High Water Elevation	780.75	781.0	X		7	TOP OF BERM EL.
Area at Normal Water Elevation (Ac) (Wet Ponds)	NA					
Area at Design High Water Elevation (Ac)	0.13	0.13	X		17	
Active Storage Available (Ac-Ft)*	0.11	0.13	X			
Lowest Elevation at Top of Embankment (If Applicable)	780.3	780.25	X			
Average Elevation at Top of Embankment (If Applicable)	781.0	781.0	X		17	
Maximum Bottom Elevation	778.5	777.5	X		15	
Average Pond Bottom Elevation	778.5	778.0	X			
Pond Bottom Area (Ac)	0.02	0.03	X			
Maximum Pond Depth	2.25	3	X			
Average Pond Depth	2.25	3	X			

*To Determine Active Storage $V = H/3(A1 + A2 + (A1 \times A2)^{1/2})$

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



Place Photograph of Pond

Place Photograph of Pond

Inspection Firm: CJ ENGINEERING LLC
Phone Number: 414-443-1312
Address: 9205 W. CENTER ST
SUITE 214
MILWAUKEE, WI 53222

Inspector Name: RANDY BRUCKNER
Inspection Date: 11-11-15

Certifying

Professional Name: RANDALL S. BRUCKNER
Phone Number: 414-443-1312

Date:

11-11-15

Signature:

Randy Bruckner





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Dry Pond	
Wet Pond	
Other	☒

Location Of
Pond

BASIN #3
SOUTHWEST

Description: DRY BASIN

Year Pond Constructed 2010

Year of Last Certification NA

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter	15"				
Upstream Invert	778.6	778.66	X		
Downstream Invert	778.5	778.28	X		
Length	32	40	X		
Slope	0.312%	0.95%	X		
Secondary Outlet Pipe (If Applicable)					
Opening Diameter					
Upstream Invert					
Downstream Invert					
Length					
Slope					
Riser (If Applicable)					
Opening Diameter					
Elevation					
Upper Discharge Control (If Applicable)					
Opening Diameter					
Elevation					

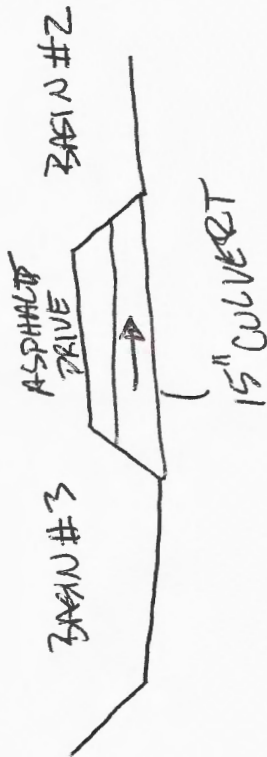
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter						
Elevation						
Other (Description)						
Opening Type						
Elevation						
Emergency Spillway						
Elevation	780.0	779.91	X			
Length of spillway	10'	±10'	X			
Embankment			Present Yes No			
Unauthorized plantings, trees, or woody vegetation				X		
Animal burrows or slope erosion				X		
Storage Properties	Design	Actual	Compliant Yes No		Points Surveyed	Equipment Used
Normal Water Elevation (Wet Ponds)	NA					TOTAL STATION
Design High Water Elevation	780.14	779.91	X		1	SPILLWAY ELEVATION
Area at Normal Water Elevation (Ac) (Wet Ponds)	NA					
Area at Design High Water Elevation (Ac)	0.02	0.036	X		5	
Active Storage Available (Ac-Ft)*	0.016	0.023	X			
Lowest Elevation at Top of Embankment (If Applicable)	781.0	780.5	X		7	
Average Elevation at Top of Embankment (If Applicable)	781.0	780.5	X		7	
Maximum Bottom Elevation	778.6	778.66	X		1	CULVERT INVERT
Average Pond Bottom Elevation	778.6	778.66	X		1	
Pond Bottom Area (Ac)	0	0	X			DRY BASIN
Maximum Pond Depth	2.4	±1.84	X			
Average Pond Depth	2.4	±1.84	X			

*To Determine Active Storage $V = H/3(A1 + A2 + (A1 \times A2)^{1/2})$

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



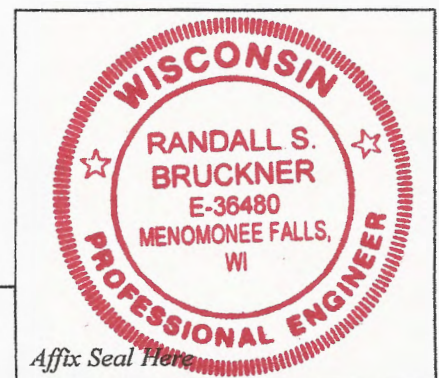
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Inspector Name: DAUDY BRUCKNER
Inspection Date: 11-23-15

Certifying
Professional Name: RANDALL S. BRUCKNER
Phone Number: 414-443-1312



Date:

11-23-15

Signature:

Randy Bruckner