



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		Name of Business/Subdivision	Spec-Shep
Property Tax ID Number	MNFV 0053027002	Address of Property	N79W14749 Appleton Ave.
Date: August 13, 2015			Menomonee Falls, WI

Dry Pond	X
Wet Pond	
Other	

Location of Pond

Along southerly property line mid point.

Pond ID: SWP14N001

Year Pond Constructed	2005	Year of Last Certification	2010
-----------------------	------	----------------------------	------

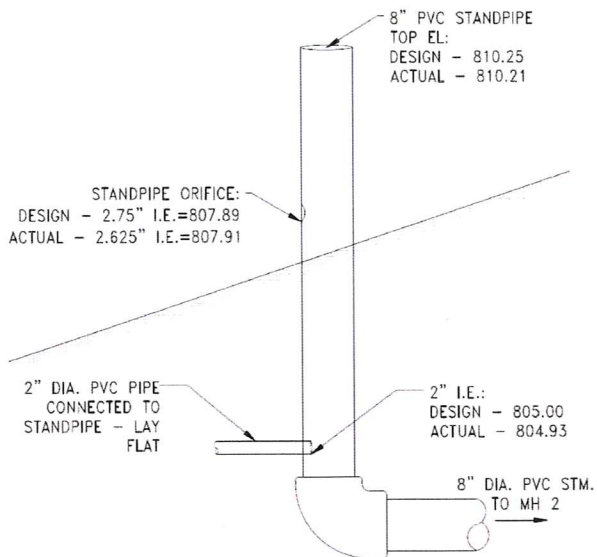
Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	2"	2"	X		PVC
Upstream Invert	805.0	804.93	X		
Downstream Invert					
Length (feet)					
Slope (%)					
Secondary Outlet Pipe	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)	-	-			
Upstream Invert	-	-			
Downstream Invert	-	-			
Length (feet)	-	-			
Slope (%)	-	-			
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)	8"	8"	X		PVC, good condition – no clogging or cracking
Elevation	810.25	810.21	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)	2.75"	2.625"	X			
Elevation	807.89	807.91	X			
Other (Description)						
Opening Type and Size (inches)	—	—				
Elevation	—	—				
Emergency Spillway						
Elevation	810	810.2	X		Apparent overflow to east/northeast. Generally uniform elevation around embankment.	
Length of spillway (feet)			X			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X	Grassy banks, cat tails at bottom of pond			
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	6" PVC		NE side of pond		Good condition - no clogging or scour	
Outfall 2	12" HDPE		North side of pond - middle		Good condition – no clogging or scour	
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	—	—			X	Unknown
Design High Water Elevation						
Area at Normal Water Elevation (Ac) (Wet Ponds)	—	—			X	
Area at Design High Water Elevation (Ac)	1850 s.f.	1850 s.f.	X			Estimate. Original intent unkown.
Active Storage Available (Ac-Ft)*		0.1				
Lowest Elevation at Top of Embankment (If Applicable)	810.	810.2	X			
Average Elevation at Top of Embankment (If Applicable)	810.	810.5	X			Level Loop
Maximum Bottom Elevation						Level Loop
Average Pond Bottom Elevation	805	805.12	X			
Pond Bottom Area (Ac)	50 s.f.	50 s.f.	X			
Maximum Pond Depth	5.0	5	X			
Average Pond Depth	2.5	2.5				
Average Permanent Pool Depth (Wet Ponds)	—	—			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

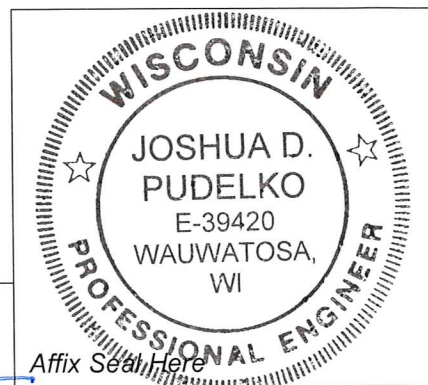


Attach As-built Survey to the Document for the first report submission

Inspection Firm: Trio Engineering
 Phone Number: (262) 790-1480
 Address: 12660 W. North Ave, Bldg. D
Brookfield, WI 53005

Inspector Name : Ben Honeck
 Inspection Date: August 13, 2015

Certifying Professional Joshua Pudelko, P.E.
 Name:
 Phone Number: (262) 790-1480



Date:
8/13/15

Signature:



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 _____ Name of Business/Subdivision Spec-Shep.
Property Tax ID Number MNFV Address of Property N79W14749 Appleton Ave.
0053027002
Date: August 13, 2015 Menomonee Falls, WI

Dry Pond	☒
Wet Pond	☐
Other	☐

Pond ID: SWP14N002

Location of Pond North end of Bldg.

Year Pond Constructed 2005 Year of Last Certification 2010

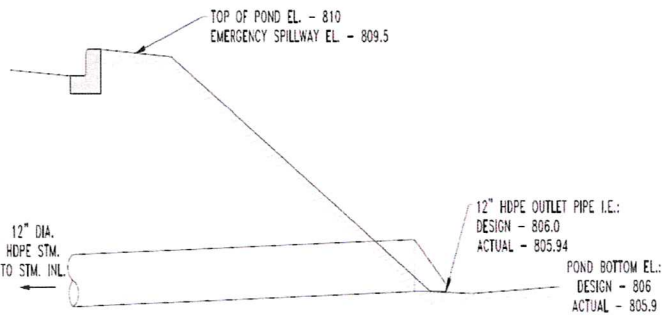
Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	12	12	X	HDPE
Upstream Invert	806.0	805.94	X	Outlet pipe in good condition, no clogging.
Downstream Invert	805.8	805.8	X	
Length (feet)	±30	±30	X	
Slope (%)	0.57%	0.63%	X	
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)	-	-		
Upstream Invert	-	-		
Downstream Invert	-	-		
Length (feet)	-	-		
Slope (%)	-	-		
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)	-	-		
Elevation	-	-		
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)	—	—			
Elevation	—	—			
Other (Description)					
Opening Type and Size (inches)	—	—			
Elevation	—	—			
Emergency Spillway					
Elevation		809.5	X	Driveway curb cut.	
Length of spillway (feet)			X	±2.5' curb cut, gradual taper to top of embankment elevation of ≈810	
Embankment	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation		X	Grassy banks, cat tails at bottom of dry pond		
Animal burrows or slope erosion		X			
Storm Sewer Outfalls	Type & Size		Location	Comments	
Outfall 1	12" CMP		NE side of pond	Good condition, no clogging	
Outfall 2	12" HDPE		SE side of pond	Good condition, no clogging	
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	—	—		X	Estimate. Original intent unknown. Level Loop Level Loop Level Loop Level Loop
Design High Water Elevation	809.0	809.0	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	—	—		X	
Area at Design High Water Elevation (Ac)	1,250 s.f.	1250 s.f.	X		
Active Storage Available (Ac-Ft)*		0.05			
Lowest Elevation at Top of Embankment (If Applicable)		809.5		X	
Average Elevation at Top of Embankment (If Applicable)	809	810	X		
Maximum Bottom Elevation	806	805.9	X		
Average Pond Bottom Elevation	806.0	805.96	X		
Pond Bottom Area (Ac)	200 s.f.	200 s.f.	X		
Maximum Pond Depth	3.0	3.5'	X		
Average Pond Depth	1.5	1.5	X		
Average Permanent Pool Depth (Wet Ponds)	—	—		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



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

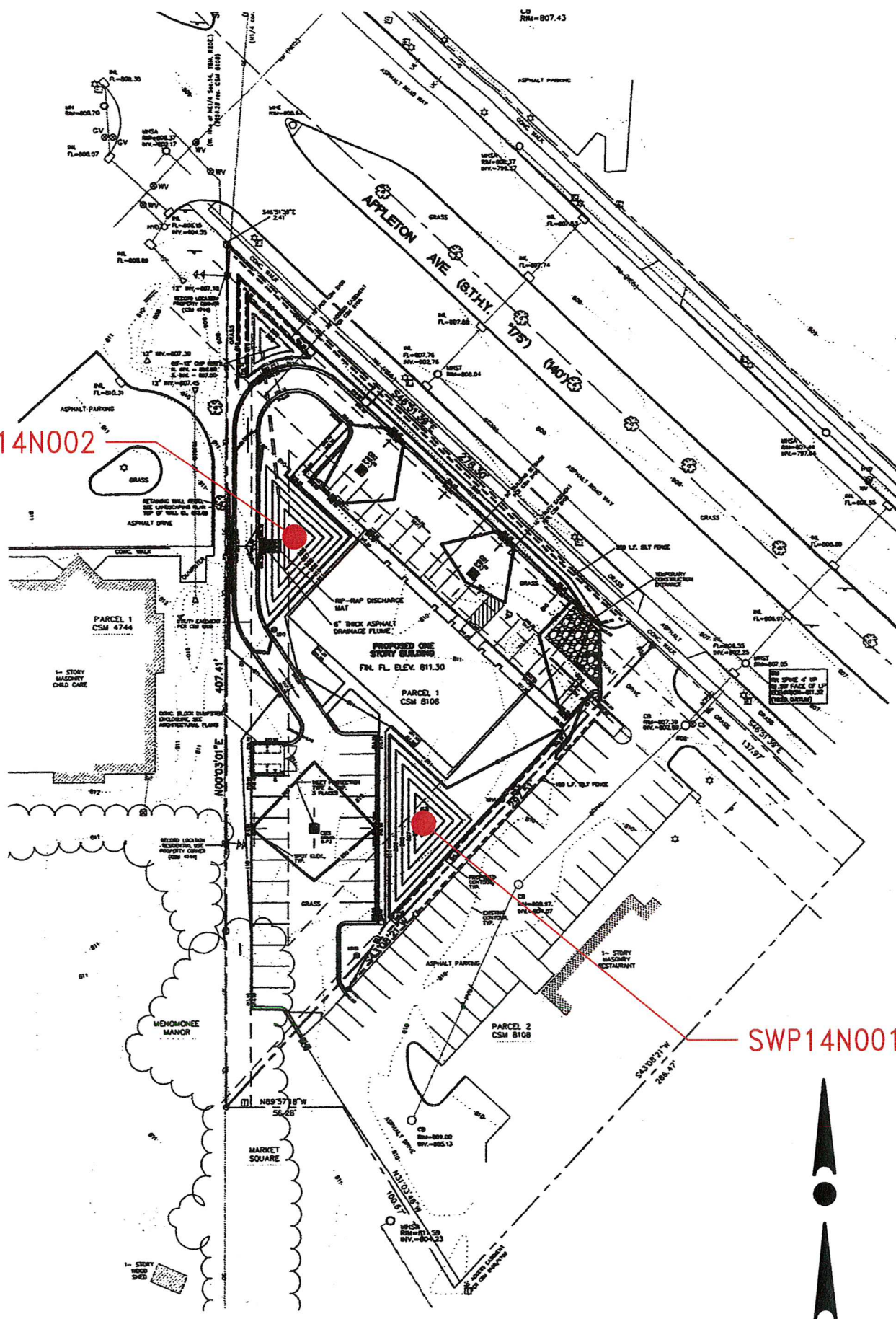
Inspection Firm: Trio Engineering
 Phone Number: (262) 790-1480
 Address: 12660 W. North Ave, Bldg. D
Brookfield, WI 53005

Inspector Name : Ben Honeck
 Inspection Date: August 13, 2015

Certifying Professional Joshua Pudelko, P.E.
 Name:
 Phone Number: (262) 790-1480



Date: 8/13/15
 Signature: [Handwritten Signature]



SWP14N001