



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 & SW 1/4  
Sec. 13-8-20 Name of Business/Subdivision Heritage Brothers  
Property Tax ID Number MNJV005299  
0006 Address of Property N72W13272 Appleton Avenue  
Menomonee Falls, WI 53051  
Date 9/12/19

Dry Pond		Location of Pond	South of Heritage Brothers Building, north of Heritage Reserve Road
Wet Pond			
Other	X		

Pond ID: SWP13S027

**Biofiltration Basin**

Year Pond Constructed 2014 Year of Last Certification 1/19/15

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
<b>Primary Outlet Pipe</b>					Outlet Pipe Material
Opening Diameter (inches)	12"	12"	X		Corrugated Metal Pipe (CMP)
Upstream Invert	784.25	784.44	X		
Downstream Invert	784.00	783.97			Design information based on original stormwater report
Length (feet)	50.0'	145.1			
Slope (%)	0.50%	0.32%			
<b>Secondary Outlet Pipe</b> (If Applicable)					Outlet Pipe Material
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<b>Riser</b> (If Applicable)					Riser Material
Opening Diameter (inches)	12"	12"	X		Horizontal Frame & Grate
Elevation	787.00	787.34	X		
<b>Upper Discharge Control</b> (If Applicable)					
Opening Diameter (inches)					
Elevation					

Compliance Verification	Design	Actual	Compliant Yes      No	Comments	
<b>Lower Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)					
Elevation					
<b>Other (Description)</b>					
Opening Type and Size (inches)					
Elevation					
<b>Emergency Spillway</b>					
Elevation	787.50	786.96	X		
Length of spillway (feet)	10.0'	6.0'	X		
<b>Embankment</b>	Present Yes      no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation		X			
Animal burrows or slope erosion		X			
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments
Outfall 1	12" Flared End Section		West portion of the pond		
Outfall 2					
Outfall 3					
<b>Storage Properties</b>	Design	Actual	Compliant Yes      No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	-	-			Hydro CAD was used to estimate HWL
Design High Water Elevation	787.54	787.19	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	-			
Area at Design High Water Elevation (Ac)	0.030	0.028	X		
Active Storage Available (Ac-Ft)*	0.015	0.016	X		
Lowest Elevation at Top of Embankment (If Applicable)	787.50	787.37	X		
Average Elevation at Top of Embankment (If Applicable)	788.00	787.53	X		
Maximum Bottom Elevation	786.50	785.88	X		
Average Pond Bottom Elevation	786.50	785.92	X		
Pond Bottom Area (Ac)	0.013	0.009	X		
Maximum Pond Depth	1.0'	1.49'	X		Low Elev. at Top of Embankment- Max. Bottom
Average Pond Depth	1.0'	1.45'	X		
Average Permanent Pool Depth (Wet Ponds)					

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

Wet Ponds Use  $H = \text{Height of Section}$  ,  $A1 = \text{area at normal water elevation}$ ,  $A2 = \text{area at top section}$

Dry Ponds Use  $H = \text{Height of Section}$ ,  $A1 = \text{pond bottom area}$ ,  $A2 = \text{area at top section}$

Sketch Outlet or Attach to Document

See Attached

See Attached

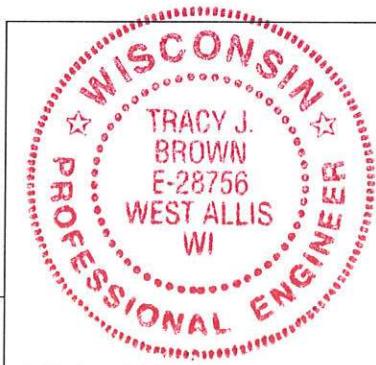
See Attached

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

Inspection Firm: JSD Professional Services  
Phone Number: (262) 513-0666  
Address: W238N1610 Busse Road  
Suite 100  
Waukesha, WI 53188

Inspector Name : Jay Averill  
Inspection Date: 9/20/19

Certifying Tracy Brown, P.E.  
Professional Name:  
Phone Number: (262) 513-0666

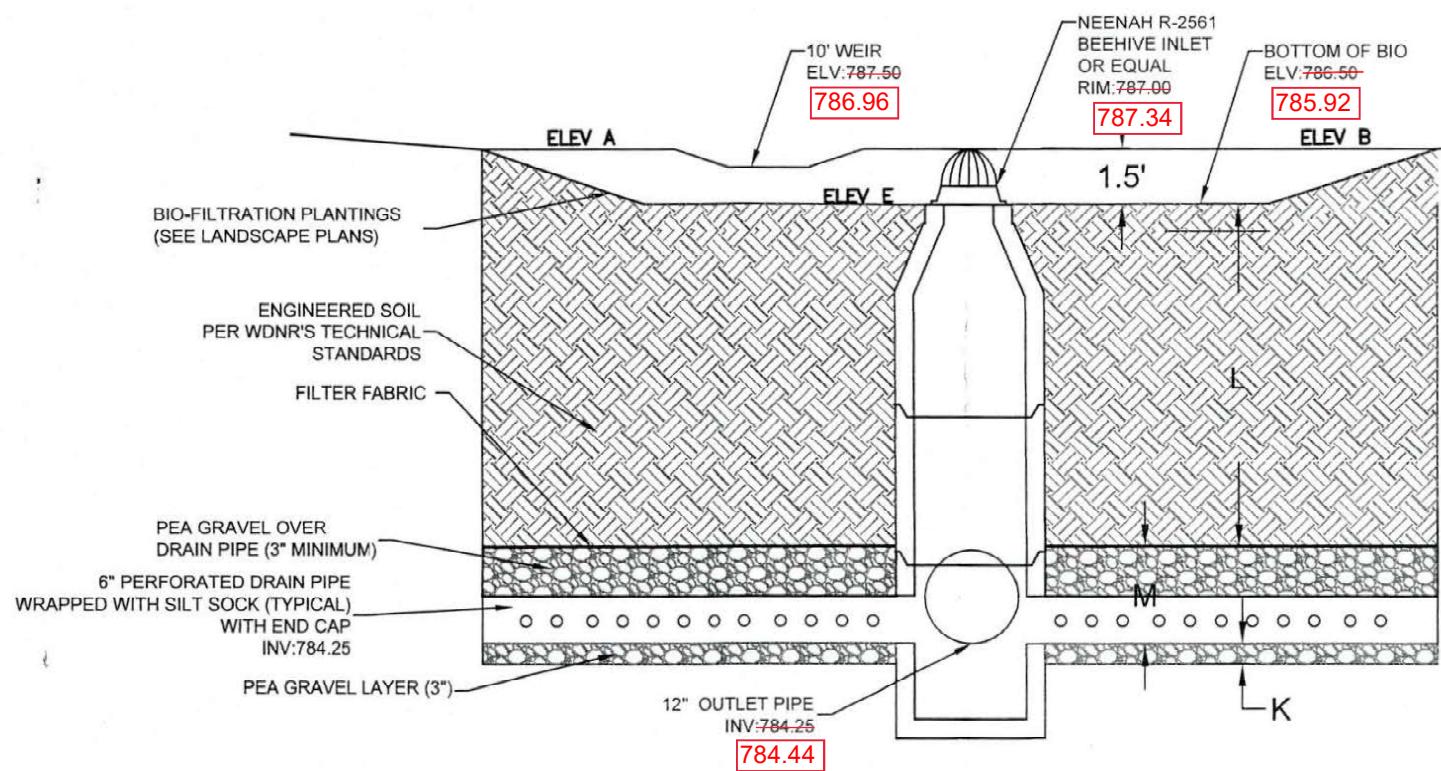


Affix Seal Here

Date: 10/11/19

Signature: Tracy Brown

10-3-2012



## SECTION 1-1

**BIOFILTRATION BASIN  
OUTLET AS-BUILT**

Storm Pond Recertification  
WEAS Development – Menomonee Falls  
SWP13S027



Biofiltration pond rip rap spillway

Storm Pond Recertification  
WEAS Development – Menomonee Falls  
SWP13S027



Biofiltration pond looking east

Storm Pond Recertification  
WEAS Development – Menomonee Falls  
SWP13S027



Biofiltration pond looking west

Storm Pond Recertification  
WEAS Development – Menomonee Falls  
SWP13S027



Beehive grate – outlet structure