



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 \_\_\_\_\_ 9/12/19 \_\_\_\_\_

SE 1/4 & SW 1/4  
Sec. 13-8-20  
MNFV005299  
0006

Name of Business/Subdivision \_\_\_\_\_  
Address of Property \_\_\_\_\_  
Heritage Brothers  
N72 W13272 Appleton Ave  
Menomonee Falls, WI 53051  
\_\_\_\_\_

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP13S026

Location of Pond

North of Heritage Brothers Building  
and Parking lot

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 Corrugated Metal Pipe (CMP) PVC (Actual in field)  Design information based on original stormwater report
Opening Diameter (inches)		12"	12"	X		
Upstream Invert		781.00	780.79	X		
Downstream Invert		780.50	780.62	X		
Length (feet)		50.0'	24.0'	X		
Slope (%)		1.0%	0.69%	X		
<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)						
Elevation						
<b>Upper Discharge Control</b>		(If Applicable)				
Opening Diameter (inches)		4.5"	4.5"	X		
Elevation		782.50	782.40	X		

Compliance Verification	Design	Actual	Compliant Yes	No	Comments	
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)	1.5"	1.5"	X			
Elevation	781.00	780.95	X			
<b>Other (Description)</b>						
Opening Type and Size (inches)						
Elevation						
<b>Emergency Spillway</b>						
Elevation	783.75	783.45	X			
Length of spillway (feet)	10.0'	12.0'	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		NE quadrant of wet pond			
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes	No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	781.00	780.29	X			Hydro CAD was used to estimate NWL and HWL
Design High Water Elevation	783.75	783.27	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.137	0.105	X			
Area at Design High Water Elevation (Ac)	0.239	0.223	X			
Active Storage Available (Ac-Ft)*	0.360	0.337	X			
Lowest Elevation at Top of Embankment (If Applicable)	783.75	784.54	X			
Average Elevation at Top of Embankment (If Applicable)	785.00	785.02	X			
Maximum Bottom Elevation	775.90	775.53	X			
Average Pond Bottom Elevation	775.90	775.80	X			
Pond Bottom Area (Ac)	0.03	0.0202	X			
Maximum Pond Depth	7.85	9.01	X			Low Elev. at Top of Embankment- Max. Bottom
Average Pond Depth	7.85	8.74	X			
Average Permanent Pool Depth (Wet Ponds)	5.1	4.49	X			
NWL-Ave. Bottom						

\*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

See Attached

See Attached

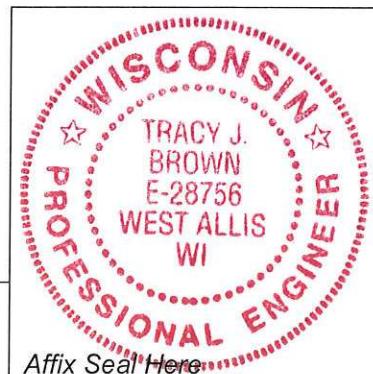
Attach As-built Survey to the Document for the first report submission

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

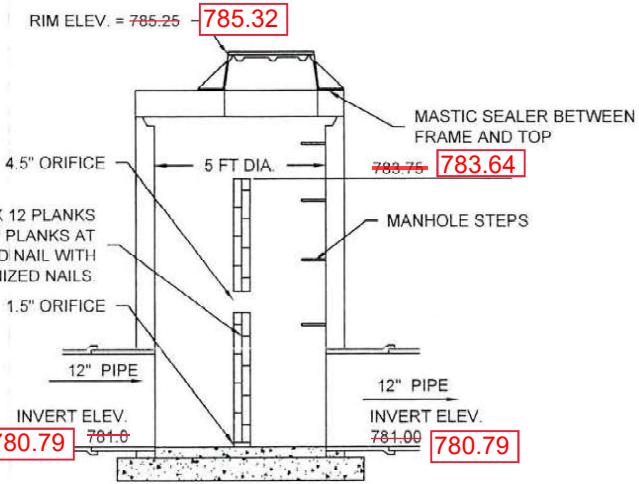
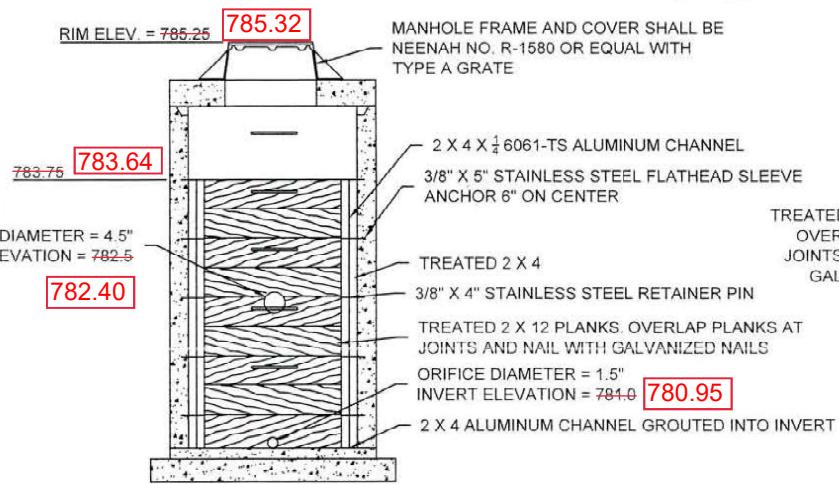
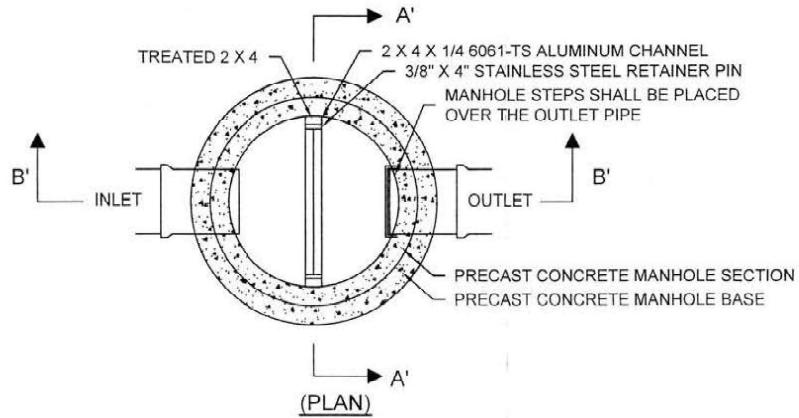
Inspector Name : Jay Averill  
Inspection Date: 9/20/19

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

Date:	Signature:
<u>10/11/19</u>	<u>Tracy Brown</u>



10-3-2012



## OUTLET CONTROL MANHOLE CONSTRUCTION CONDITIONS

NOT TO SCALE

**OUTLET STRUCTURE AS-BUILT**

Storm Pond Recertification  
WEAS Development – Menomonee Falls  
SWP13S026



Outlet structure with baffle wall – SWP13S026

Storm Pond Recertification  
WEAS Development – Menomonee Falls  
SWP13S026



North Pond rip rap outfall

Storm Pond Recertification  
WEAS Development – Menomonee Falls  
SWP13S026



North pond rip rap spillway

Storm Pond Recertification  
WEAS Development – Menomonee Falls  
SWP13S026



North pond plant overgrowth – looking south