



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 NW ¼, Name of Business/Subdivision White Stone Station
Property Tax ID Number _____ Address of Property _____
Date _____

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP 3s006

Location of Pond
Between USH 41/45 and Falls Parkway

Year Pond Constructed 2015 Year of Last Certification 2015

Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	66" RCP	66" RCP	X		
Upstream Invert	820.93	820.96	X		
Downstream Invert	818.92	818.92	X		
Length (feet)	461	460	X		
Slope (%)	0.44	0.44	X		
Secondary Outlet Pipe	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)	N/A				
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)	N/A				
Elevation					
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	118"	118"	X		
Elevation	824.97	824.96	X		

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	11"	11"	X			
Elevation	821.87	821.98	X			
Other (Weir Plat)						
Opening Type and Size (inches)	N/A					
Elevation						
Emergency Spillway						
Elevation	826.80	827.01	X			
Length of spillway (feet)	10'	7'	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	48"X76" RCP		NW Corner			
Outfall 2	24" CMP		NW Corner			
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	821.87	821.80	X			
Design High Water Elevation	826.79	826.79	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.48	0.49	X			
Area at Design High Water Elevation (Ac)	0.74	0.77	X			
Active Storage Available (Ac-Ft)*	2.29	2.41	X			
Lowest Elevation at Top of Embankment (If Applicable)	826.79	827.01	X			
Average Elevation at Top of Embankment (If Applicable)	828.00	828.00	X			
Maximum Bottom Elevation	815.00	814.36	X			
Average Pond Bottom Elevation	815.00	814.60	X			
Pond Bottom Area (Ac)	0.14	0.14	X			
Maximum Pond Depth	12.9'	12.19'	X			
Average Pond Depth	12.9'	12.19'	X			
Average Permanent Pool Depth (Wet Ponds)	6.95'	7.2'	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 or Attach to Document

See attached Document with Pond Changes.



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

Inspection Firm: Quam Engineering, LLC

Phone Number: 262-346-7800

Address: 122 Wisconsin Street
West Bend, WI 53095

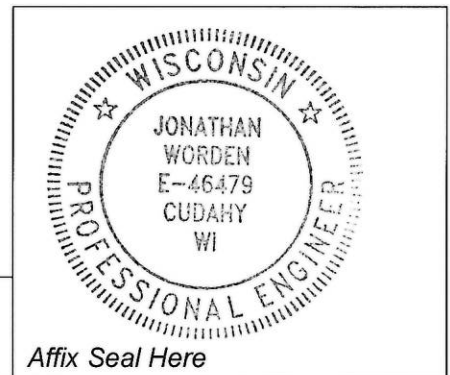
Inspector Name: Jonathan Worden / J Scott Henkel

Inspection Date: 10/14/2020

Certifying Professional

Name: Jonathan Worden

Phone Number: 262-353-9765



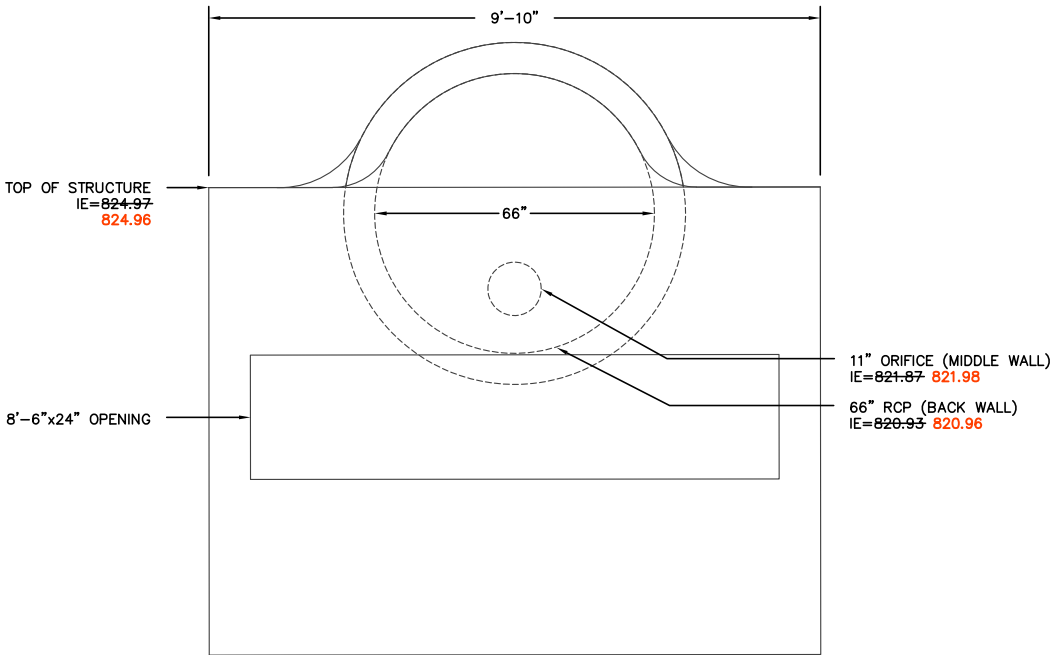
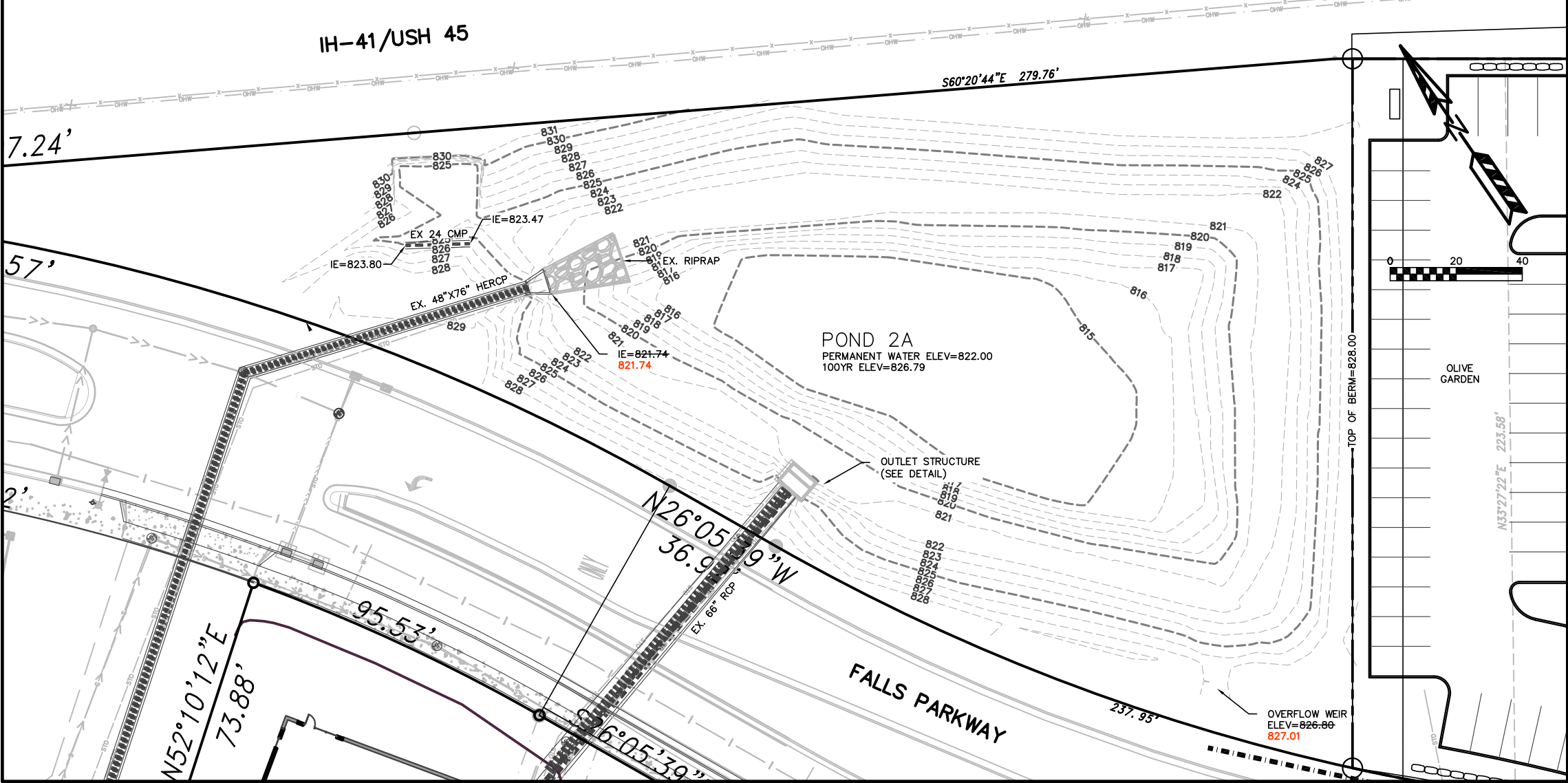
Date: 10/28/2020

Signature:

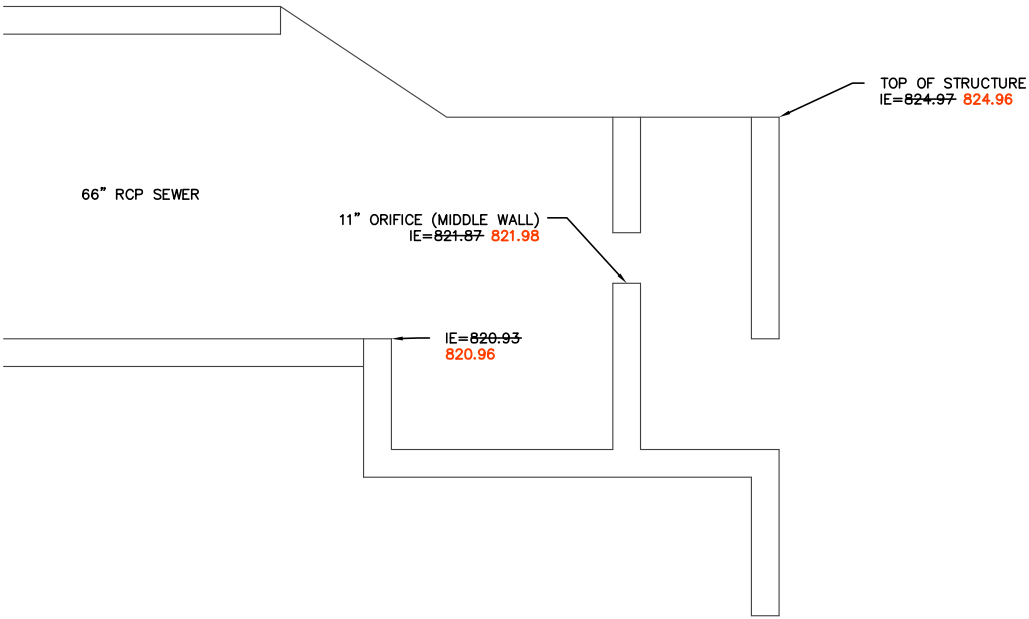
10-3-2012

QUAMENGINEERING, LLC 122 Wisconsin Street, West Bend, WI 53095 (262) 346-7800 \CP-04-15\CP-04_PONDASBUILT.DWG

STAGE STORAGE TABLE		
ELEVATION	AREA (PROPOSED)	AREA (AS-BUILT)
822	21143	21474
823	23150	23603
824	25308	25673
825	27582	28182
826	30192	30543
827	33041	32974



OUTLET STRUCTURE SECTION A
NOT TO SCALE



OUTLET STRUCTURE SECTION B
NOT TO SCALE

- LEGEND:**
- 896 --- EXISTING MINOR CONTOUR.
 - 895 --- EXISTING MAJOR CONTOUR.
 - STORM SEWER LINE.
 - (ST) STORM SEWER MANHOLE.
 - STORM SEWER INLET.

MENOMONEE FALLS BUSINESS PARK TID #8
DETENTION POND 2A AS-BUILT
DATED: OCTOBER 28, 2020

C-101