



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 1/4 SEC. 2 Name of Business/Subdivision LOT 2 CSM 7084
Property Tax ID Number MNEV00006999002 Address of Property N96 W15009 COUNTY LINE ROAD
MENOMONEE FALLS, WI 53051

Dry Pond	
Wet Pond	☒
Other	

Location Of Pond LOT 2 CSM 7084

Description: SE CORNER
LOT 2 CSM 7084

Year Pond Constructed 2014 Year of Last Certification 2015

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				
Opening Diameter	15"	15"	X	
Upstream Invert	804.00	803.96	X	
Downstream Invert	800.99	801.19	X	
Length	70'	65'	X	
Slope	4.3%	4.3%	X	
Secondary Outlet Pipe (If Applicable)				
Opening Diameter	N/A			
Upstream Invert	N/A			
Downstream Invert	N/A			
Length	N/A			
Slope	N/A			
Riser (If Applicable)				
Opening Diameter	36"	36"	X	STAND PIPE
Elevation	811.50	811.31	X	
Upper Discharge Control (If Applicable)				
Opening Diameter	10"	10"	X	
Elevation	806.00	805.92	X	

Compliance Verification	Design	Actual	Compliant		Comments
			Yes	No	
Lower Discharge Control	(If Applicable)				
Opening Diameter	N/A				
Elevation	N/A				
Other (Description)					
Opening Type	N/A				
Elevation	N/A				
Emergency Spillway					
Elevation	814.00	813.8	X		
Length of spillway	40'	40'	X		
Embankment			Present Yes No		
Unauthorized plantings, trees, or woody vegetation	No	No		X	
Animal burrows or slope erosion	No	No		X	
Storage Properties	Design	Actual	Compliant Yes No	Points Surveyed	Equipment Used
Normal Water Elevation (Wet Ponds)	806.00	805.92	X	YES	TOTAL STATION
Design High Water Elevation	813.68	813.68	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.72	0.73	X		
Area at Design High Water Elevation (Ac)	1.28	1.31	X		
Active Storage Available (Ac-Ft)*	1.04	1.02	X		
Lowest Elevation at Top of Embankment (If Applicable)	814.00	813.6	X		
Average Elevation at Top of Embankment (If Applicable)	814.00	813.8	X		
Maximum Bottom Elevation	800.00	—			ICE COVERED
Average Pond Bottom Elevation	800.00	—			ICE COVERED
Pond Bottom Area (Ac)	0.32	—			ICE COVERED
Maximum Pond Depth	6.00	5.92			ASSUME BOTTOM 800
Average Pond Depth	6.00	5.92			ASSUME BOTTOM 800

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

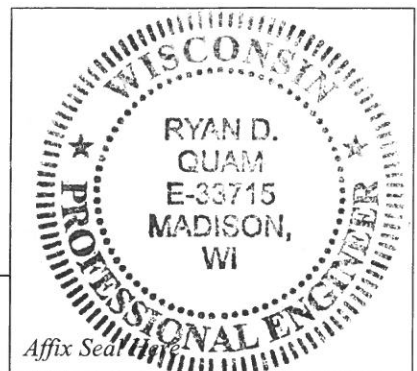
Wet Ponds Use H = Height of Section, $A1$ = area at normal water elevation, $A2$ = area at top section

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

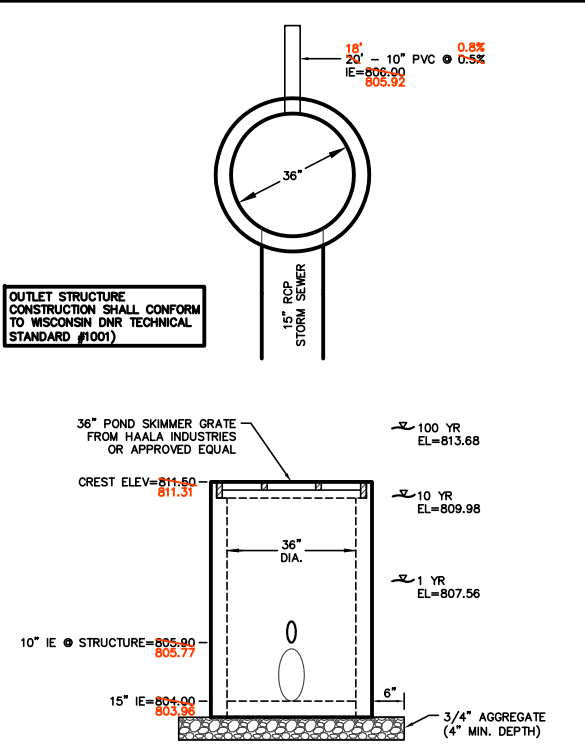
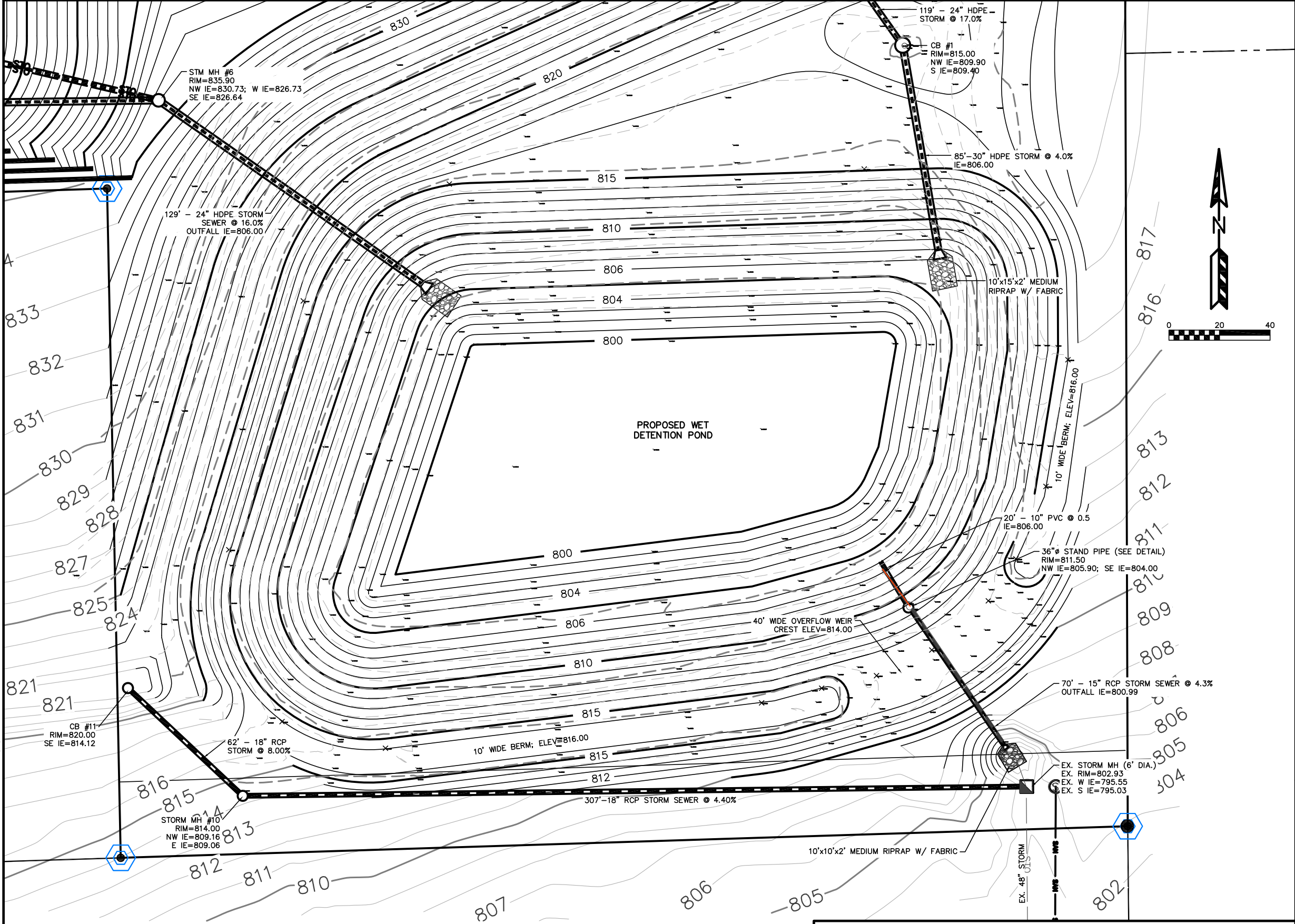
Sketch Outlet SEE ATTACHED DETENTION POND PLAN	Place Photograph of Pond
	Place Photograph of Pond

Place Photograph of Pond

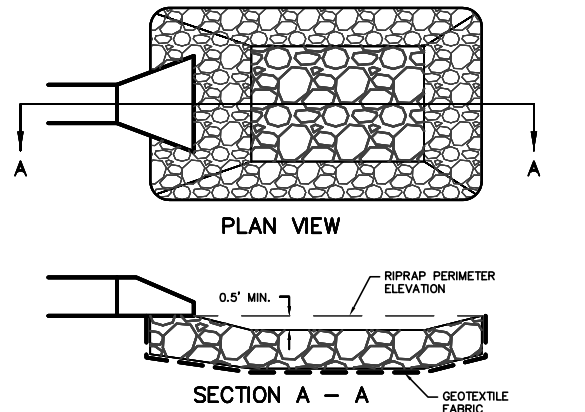
Certifying
Professional Name: RYAN D. QUAM, P.E.
Phone Number: 608-838-7750







DETENTION POND OUTLET STRUCTURE DETAIL



RIPPRAP SHALL BE PLACED AS DEFINED IN SECTION 606 OF WISCONSIN D.O.T. SPECIFICATIONS. STONE SIZES SHALL BE WELL GRADED WITH A MINIMUM OF 6 INCH DIAMETER.

RIPPRAP DETAIL

RUEDEBUSCH DEVELOPMENT & CONSTRUCTION

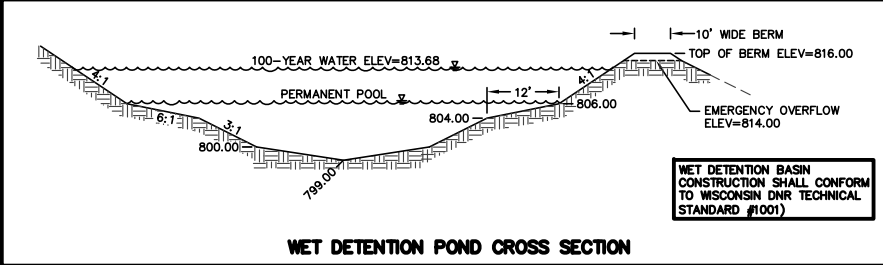
4605 DOVETAIL DR. MADISON, WISCONSIN 53704
PHONE (608) 249-2012 FAX (608) 249-2032

2015 MENOMONEE FALLS, WI
DETENTION POND PLAN

DATED: SEPTEMBER 2, 2014
AS-BUILT: JANUARY 9, 2015

QUAM ENGINEERING, LLC
Residential and Commercial Site Design Consultants
www.quamengineering.com

4604 Siggelkow Road, Suite A - McFarland, Wisconsin 53558
Phone (608) 838-7750; Fax (608) 838-7752



WET DETENTION POND CROSS SECTION