



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 08/06/19

NE1/4 24-8-20
MNFV0093947
006

Name of Business/Subdivision
Address of Property

Alta Mira Apartments
W129N6889 Northfield Dr.
Menomonee Falls, WI
53051

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP24N006

Location of
Pond

Southwest portion of site
Lot 1 of CSM No. 9880

Year Pond
Constructed

2004

Year of Last
Certification

2014

Compliance Verification		Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe						Outlet Pipe Material
Opening Diameter (inches)	12"	12"		X		Concrete HEAVY VEGETATION AND DEBRIS SURROUNDING
Upstream Invert	790.00	789.91		X		
Downstream Invert	789.00	788.69		X		
Length (feet)	150.0'	148.35'		X		
Slope (%)	0.67%	0.82%		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)	6"	6"	X		Vertical orifice
Elevation	790.00	789.91	X		
Emergency Spillway					
Elevation	793.50	793.90	X		
Length of spillway (feet)	20.0'	17.7'	X		
Embankment	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	X		TWO SMALL TREES GROWING IN POND SLOPE Maintenance Required: removal of woody vegetation		
Animal burrows or slope erosion		X			
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1	12" RCP		NW. COR. POND		
Outfall 2	6" PVC		NE COR. POND		
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	790.00	790.80	X		TRIMBLE R6 GPS TRIMBLE S6 TS
Design High Water Elevation	792.88	792.88	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.163	0.17	X		
Area at Design High Water Elevation (Ac)	0.353	0.305	X		
Active Storage Available (Ac-Ft)*	1.44	0.518	X		
Lowest Elevation at Top of Embankment (If Applicable)	793.50	793.70	X		
Average Elevation at Top of Embankment (If Applicable)	794.50	793.80	X		
Maximum Bottom Elevation	785.00	784.98	X		
Average Pond Bottom Elevation	785.00	786.0	X		
Pond Bottom Area (Ac)	0.0035	0.003	X		
Maximum Pond Depth	5.0'	5.8'	X		
Average Pond Depth	5.0'	4.8'	X		
Average Permanent Pool Depth (Wet Ponds)	5.0'	4.8'	X		

*To Determine Active Storage $V=H/3(A1+A2+(A1xA2)/2)$

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

Place Photograph of Pond or Attach to Document

See Attached

Place Photograph of Pond or Attach to Document

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: W238 N1610 Busse Rd
Suite 100
Waukesha, WI 53186

Inspector Name : David Nash
Inspection Date: August 3, 2019

Certifying Professional

Name: Rizal W. Iskandarsjach P.L.S., P.E.
Phone Number: 262.513.0666

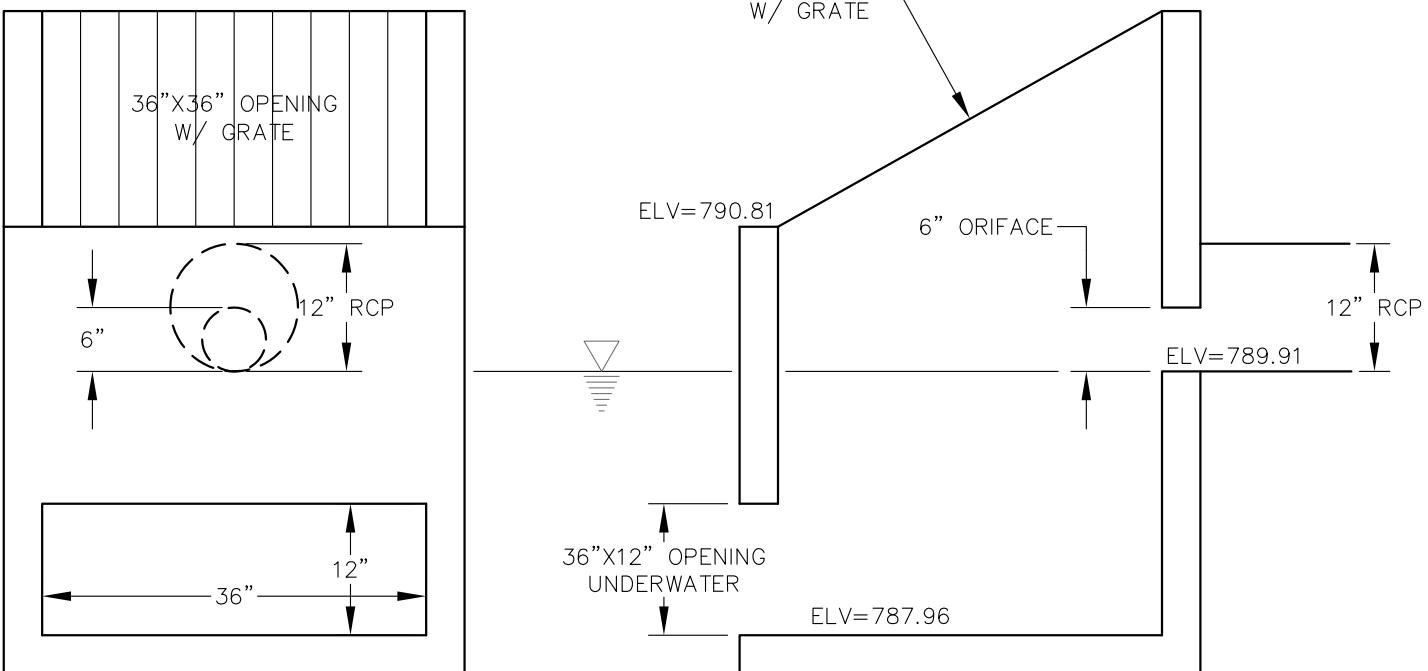
Date:
August 6, 2019

Signature:

Rizal Iskandarsjach



Affix Seal Here



EXIST OUTLET DETAIL

N.T.S.

SWMP Inspection Photos SWP24N006 (7/1/2019) – Village of Menomonee Falls, WI



Figure 1: At north portion of pond; looking southwesterly



Figure 2: At south portion of pond; looking northerly (two storm outfalls)



Figure 3: At southeast portion of pond; looking northerly (pond outlet structure)



Figure 4: At southeast portion of pond; looking southeasterly (emergency spillway)

