



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 NE1/4 24-8-20 Name of Business/Subdivision Buena Vista Condominiums
Property Tax ID Number MNFV00939 Address of Property W129 N6811 Northfield Dr.
47033
Date 08/06/19 Menomonee Falls, WI
53015

Dry Pond	
Wet Pond	X
Other	

Location of Pond Northeast portion of site
Lot 2 of CSM No. 9880
Pond ID: SWP24N005

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 SURROUNDING
Upstream Invert	783.00	783.25	X	
Downstream Invert	782.00	782.14	X	
Length (feet)	42.0'	41.3'	X	
Slope (%)	2.38%	2.69%	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)	6.5"	6"	X		Vertical orifice	
Elevation	783.00	783.25	X			
Emergency Spillway						
Elevation	788.50	787.80	X			
Length of spillway (feet)	20.0'	20.0'	X			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X		Maintenance Required: removal of woody vegetation			
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	18" CPP		SOUTH PORTION OF POND			
Outfall 2	8" PVC		WEST PORTION OF POND			
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	783.00	783.00	X			TRIMBLE R6 GPS TRIMBLE S6 TS
Design High Water Elevation	786.00	786.00	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.085	0.059	X			
Area at Design High Water Elevation (Ac)	0.207	0.132	X			
Active Storage Available (Ac-Ft)*	1.380	0.273	X			
Lowest Elevation at Top of Embankment (If Applicable)	788.50	788.45	X			
Average Elevation at Top of Embankment (If Applicable)	789.50	788.60	X			
Maximum Bottom Elevation	779.00	777.37	X			
Average Pond Bottom Elevation	779.00	777.5	X			
Pond Bottom Area (Ac)	0.012	0.010	X			
Maximum Pond Depth	4.0'	5.6'	X			
Average Pond Depth	4.0'	5.5'	X			
Average Permanent Pool Depth (Wet Ponds)	4.0'	5.5'	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

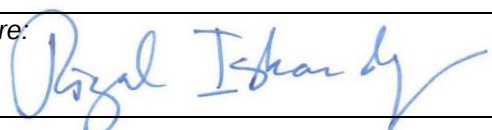
Sketch Outlet or Attach to Document See Attached	Place Photograph of Pond or Attach to Document See Attached
	Place Photograph of Pond or Attach to Document See Attached

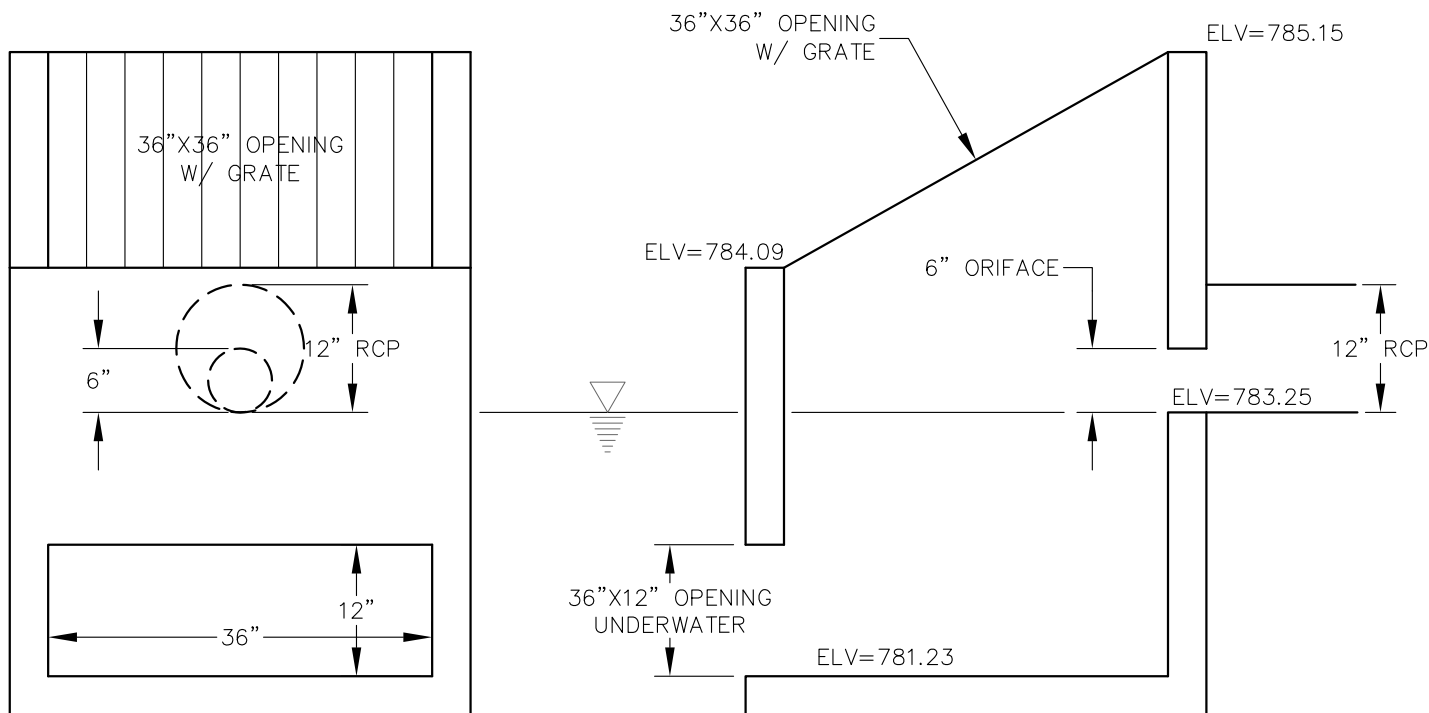
Attach As-built Survey to the Document for the first report submission

Inspection Firm:	<u>JSD Professional Services</u>	Inspector Name :	<u>Davis Nash</u>
Phone Number:	<u>262.513.0666</u>	Inspection Date:	<u>August 3, 2019</u>
Address:	<u>W238 N1610 Busse Rd</u> <u>Suite 100</u> <u>Waukesha, WI 53186</u>		

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



Date: August 6, 2019	Signature: 
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**EXIST OUTLET DETAIL**

N.T.S.

File: R:\2014\14C6233 NorthHillsPonds\dwg\14C6233 Pond Detail.dwg Layout: D-5

JSD Professional Services, Inc.
 o Engineers o Surveyors o Planners

MILWAUKEE REGIONAL OFFICE
 N22 W22931 NANCY'S COURT SUITE 3
 WAUKESHA, WISCONSIN 53186
 262.513.0666 PHONE | 262.513.1232 FAX

www.jsdinc.com

PROJECT:

**NORTHFIELD MANOR
 POND CERTIFICATION
 VILLAGE OF MENOMONEE FALLS, WI**

SHEET TITLE:

**SWP24N005
 POND OUTLET
 DETAIL**

JSD PROJECT NUMBER:

14-6180

DRAWN BY: CHECKED BY:

IRN RWI

DATE:

8-7-19

SHEET NUMBER:

D-5



Figure 1: At northeast portion of pond; looking southwesterly (storm outfall)



Figure 2: At northeast portion of pond; looking southerly (pond outlet structure)



Figure 3: Approximately 40 north of pond; looking southerly (pond outfall)



Figure 4: At northeast portion of pond; looking northwesterly (emergency spillway)



Figure 5: At southwest portion of pond; looking southerly (storm outfall)



Figure 6: At south portion of pond; looking northerly (emergency spillway)



175

SWP24N008

APPLETON AVE

HIGHLAND DR

175

SWP24N001

FUSSVILLE PL

NORTHFIELD DR

SWP24N002

Falls Baptist Church

Falls Baptist Academy

APPLETON RD

SWP24N006

SWP24N003

POND SITE

SWP24N005

THE BUENA VISTA CONDOMINIUM
Click for Taxes & Keys

SWP24N004

RAVINE 0.18 ACRES

995 003

995