



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

NE1/4 24-8-20
MNFV00939
47004

Name of Business/Subdivision
Address of Property

Alta Mira Apartments
W129N7017 Northfield Dr.

Date 05/29/14

Menomonee Falls, WI
53051

Dry Pond		Pond ID: <u>SWP24N007</u>	Location of Pond	Southeast portion of site Lot 2 of CSM No. 10477
Wet Pond	X			
Other				

Year Pond
Constructed

2004

Year of Last
Certification

2010

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				
Opening Diameter (inches)	12"	12"		
Upstream Invert	790.00	790.12		
Downstream Invert	788.50	788.04		
Length (feet)	254.0'	249.57'		
Slope (%)	0.59%	0.83%		
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)	4.5" DIA	4" DIA			Vertical orifice
Elevation	790.00	790.12			
Emergency Spillway					
Elevation	793.95	793.13			
Length of spillway (feet)	20.0'	34'			
Embankment	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation					
Animal burrows or slope erosion					
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1	15" RCP		WEST PORTION POND		
Outfall 2					
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes	No	Not Applicable
Normal Water Elevation (Wet Ponds)	790.00	790.12			TRIMBLE R6 GPS
Design High Water Elevation	792.92	792.92			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.378	0.250			
Area at Design High Water Elevation (Ac)	0.653	0.517			
Active Storage Available (Ac-Ft)*	2.264	3.453			
Lowest Elevation at Top of Embankment (If Applicable)	793.95	794.09			
Average Elevation at Top of Embankment (If Applicable)	794.00	796.2			
Maximum Bottom Elevation	785.00	783.8			
Average Pond Bottom Elevation	785.00	784.7			
Pond Bottom Area (Ac)	0.071	0.063			
Maximum Pond Depth	5.0'	6.3'			
Average Pond Depth	5.0'	5.4'			
Average Permanent Pool Depth (Wet Ponds)	5.0'	5.4'			

*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

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: N22 W22931 Nancys Ct
Suite 3
Waukesha, WI 53186

Inspector Name : Ryder Fischer
Inspection Date: May 22, 2014

Certifying Professional

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

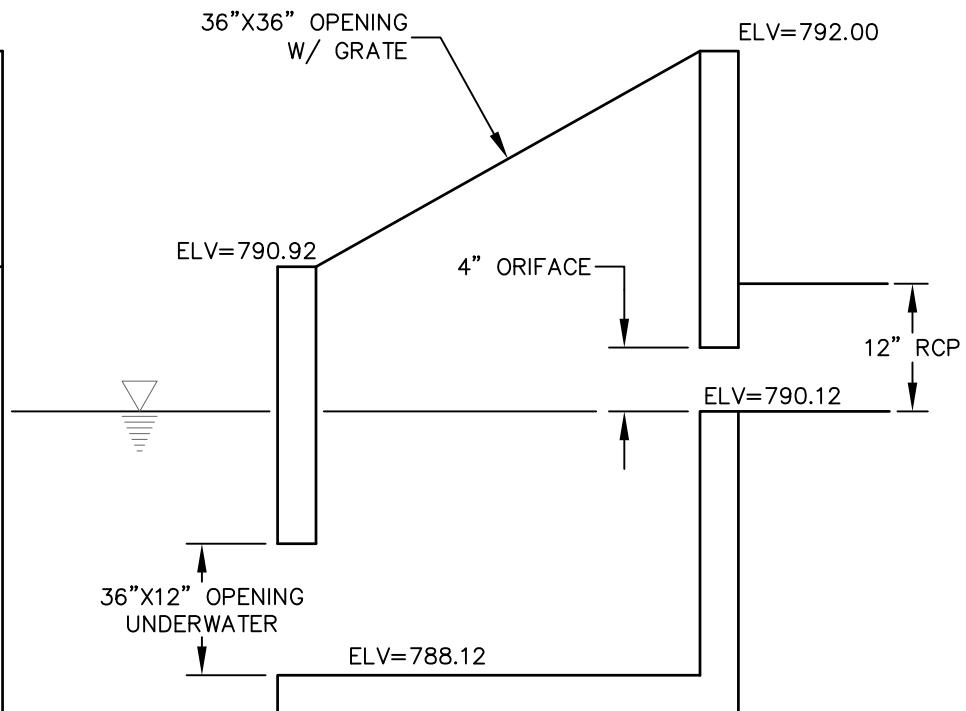
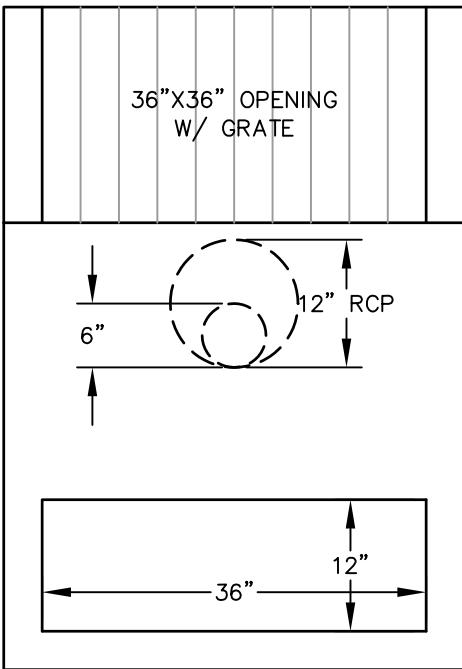
Date:
May 29, 2014

Signature:

Rizal Iskandar



Affix Seal Here



EXIST OUTLET DETAIL

N.T.S.



Figure 1: At east portion of pond; looking westerly (storm outfall)



Figure 2: At west portion of pond; looking easterly (pond outlet structure)



Figure 3: At southwest portion of pond; looking northeasterly



Figure 4: At west portion of pond; looking northerly (storm outlet)



Figure 5: At east portion of pond; looking northerly (pond outlet structure)



Figure 6: At east portion of pond; looking southerly (emergency spillway)