



2007 file

Village of Menomonee Falls
 W156 N8480 Pilgrim Road
 Menomonee Falls, WI 53051-3140
 Telephone: (262) 532-4200

3-26-13

STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section: NE ¼ of Section 2 Name of Business/Subdivision: Megal Development Corporation – American Imports
 Property Tax ID Number: 0005.002.01 Address of Property: N96 W14555 County Line Road and
2 and
0005.002.01
3
 Date: 10-12-12 N96 W14433 County Line Road
Menomonee Falls, WI

Dry Pond	
Wet Pond	X
Other	

Location of Pond: Along South property line in rear of buildings
 Pond ID: SWP 21002

Year Pond Constructed: 2007 Year of Last Certification: _____ First Cert.: _____

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	12	15		X	The construction plans show a pipe coming from the pond to an existing catch basin but no invert elevations or length is provided. During the inspection and the as-built survey of the detention pond, we could not find any outlet pipe within the pond. We were only able to identify an invert and size at the catch basin where the outlet pipe is connected.
Upstream Invert	792.00	---		X	
Downstream Invert	790.53	790.51	X		
Length (feet)	---	---			
Slope (%)	---	---			
Secondary Outlet Pipe (If Applicable)					
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser (If Applicable)					
Opening Diameter (inches)					

Elevation				
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)				
Elevation				

Compliance Verification	Design	Actual	Compliant		Comments
			Yes	No	
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)					
Elevation					
Other (Description)					
Opening Type and Size (inches)					
Elevation					
Emergency Spillway					
Elevation	798.20	798.69	X		
Length of spillway (feet)	33.0	28.7		X	The design calls for the spillway to start at an elevation of 797 within the pond and end at 794 outside the pond. The spillway was surveyed at 796 inside the pond and 795 outside.
Embankment	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation		X	There is some erosion located at the rip rap spillway and 12" ADS storm sewer outfall located on the north side of the pond		
Animal burrows or slope erosion	X				
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1	12" PVC		West side swale and on the north side		No visible erosion
Outfall 2	12" ADS		North side of pond		There is some erosion located at the end of the pipe
Outfall 3					

Storage Properties	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation <i>(Wet Ponds)</i>	791.00	788.00	X			Trimble S-6 Robotic Total Station
Design High Water Elevation	798.20	798.75	X			
Area at Normal Water Elevation (Ac) <i>(Wet Ponds)</i>	0.047	0.007	X			
Area at Design High Water Elevation (Ac)	0.318	0.312	X			
Active Storage Available (Ac-Ft)*	1.31	1.15		X		
Lowest Elevation at Top of Embankment <i>(If Applicable)</i>	799.60	798.94		X		
Average Elevation at Top of Embankment <i>(If Applicable)</i>	799.60	799.21		X		
Maximum Bottom Elevation	786.00	786.37		X		
Average Pond Bottom Elevation	788.50	787.67	X			
Pond Bottom Area (Ac)	0.000	0.001	X			
Maximum Pond Depth	12.20	12.38	X			
Average Pond Depth	9.70	11.08	X			
Average Permanent Pool Depth <i>(Wet Ponds)</i>	5.00	0.65	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

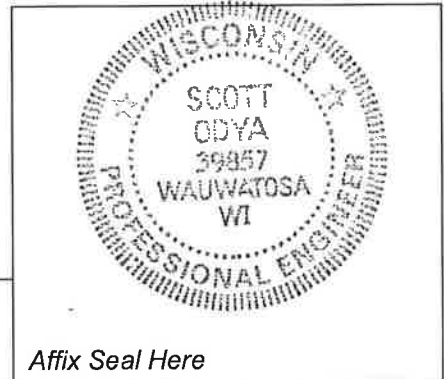
<p><i>Sketch Outlet or Attach to Document</i></p>	<p><i>Place Photograph of Pond or Attach to Document</i></p>
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Place Photograph of Pond or Attach to Document

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

Inspection Firm: Key Engineering Group, Ltd. Inspector Name : Robert Merkel, Jr.
Phone Number: 414-224-8300 Inspection Date: 10/04/12
Address: 735 North Water Street
Suite 510
Milwaukee, WI 53202

Certifying Professional
Name: Scott Ody, P.E.
Phone Number: 414-224-8300



Date: 10/12/12

Signature: Scott Ody

Affix Seal Here

