



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 1/4 of Section 2	Name of Business/Subdivision	Megal Development Corporation – American Imports
Property Tax ID Number	0005.002.01 2 and 0005.002.01 3	Address of Property	N96 W14555 County Line Road and  N96 W14433 County Line Road Menomonee Falls, WI
Date: 10-12-12			

Dry Pond		Location of Pond	Along South property line in rear of buildings
Wet Pond	X		
Other			
		Pond ID:	SWP 2 N 002

Year Pond Constructed	2007	Year of Last Certification	First Cert.
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Compliance Verification		Design	Actual	Compliant Yes	Compliant No	Comments (Condition of Structure)
<b>Primary Outlet Pipe</b>		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 (%)	---	---				
<b>Secondary Outlet Pipe</b> (If Applicable)		Outlet Pipe Material				
Opening Diameter (inches)						
Upstream Invert						
Downstream Invert						
Length (feet)						
Slope (%)						
<b>Riser</b> (If Applicable)		Riser Material				
Opening Diameter (inches)						

Elevation				
<b>Upper Discharge Control</b>	(If Applicable)			
Opening Diameter (inches)				
Elevation				

Compliance Verification	Design	Actual	Compliant Yes   No	Comments
<b>Lower Discharge Control</b>	(If Applicable)			
Opening Diameter (inches)				
Elevation				
<b>Other (Description)</b>				
Opening Type and Size (inches)				
Elevation				
<b>Emergency Spillway</b>				
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.
<b>Embankment</b>	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			
<b>Storm Sewer Outfalls</b>	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 Yes	Not Applicable	Equipment Used
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 (If Applicable)	799.60	798.94		X	
Average Elevation at Top of Embankment (If Applicable)	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> <div style="border: 1px solid black; height: 400px; width: 100%;"></div>	<p><i>Place Photograph of Pond or Attach to Document</i></p> <div style="border: 1px solid black; height: 400px; width: 100%;"></div>
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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.  
Phone Number: 414-224-8300  
Address: 735 North Water Street  
Suite 510  
Milwaukee, WI 53202

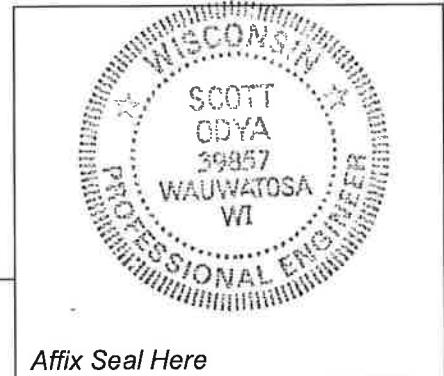
Inspector Name : Robert Merkel, Jr.  
Inspection Date: 10/04/12

Certifying Professional

Name: Scott Odya, P.E.  
Phone Number: 414-224-8300

Date: 10/12/12

Signature: Scott Odya



Affix Seal Here

10-3-2012

