



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 SW 1/4 SEC 2 Name of Business/Subdivision PILGRIM VILLAGE
 Property Tax ID Number _____ Address of Property N88 W15413 MAINST,
(OTTO'S IS CLOSEST)

Dry Pond	
Wet Pond	
Other	X

Description: CONTECH UNDERGROUND SYSTEM - 9'Ø Location Of Pond BETWEEN OTTO'S AND 2 OUTPARCELS FRONTING MAIN STREET IN MAIN PARKING FIELD

Year Pond Constructed 2012 Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	21"	21"	✓		CMP STUB TO RCP
Upstream Invert	776.00	776.00	✓		
Downstream Invert	775.67	775.25	✓		
Length (feet)	21.8'	38.5'	✓		
Slope (%)	1.50%	1.95%	✓		
Secondary Outlet Pipe (If Applicable) <u>N/A</u>					
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser (If Applicable) <u>N/A</u>					Riser Material
Opening Diameter (inches)					
Elevation					
Upper Discharge Control (If Applicable) <u>N/A</u>					
Opening Diameter (inches)					
Elevation					

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable) <i>N/A</i>					
Opening Diameter (inches)						
Elevation						
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation						
Length of spillway (feet)						
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						
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	776.00	776.00	✓			
Design High Water Elevation	780.95	780.95				
Area at Normal Water Elevation (Ac) (Wet Ponds)					✓	
Area at Design High Water Elevation (Ac)					✓	
Active Storage Available (Ac-Ft) <i>**</i>	21,135 [±]	21,135 [±]				
Lowest Elevation at Top of Embankment (If Applicable)					✓	
Average Elevation at Top of Embankment (If Applicable)					✓	
Maximum Bottom Elevation	772.00	772.00	✓			
Average Pond Bottom Elevation					✓	
Pond Bottom Area (Ac)					✓	
Maximum Pond Depth	4'	4'				
Average Pond Depth					✓	
Average Permanent Pool Depth (Wet Ponds)	4'	4'				

*To Determine Active Storage $V = \left(\left(\frac{H}{3} \right) \left(A1 + A2 + \left(\left(A1 + A2 \right)^{\left(\frac{1}{2} \right)} \right) \right) \right)$

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

*** Based on computer model.*

<p>Sketch Outlet</p> <p>N/A</p>	<p>Place Photograph of Pond</p> <p>SEE ATTACHED</p>
	<p>Place Photograph of Pond</p> <p>SEE ATTACHED</p>

Inspection Firm: RA. SMITH NATIONAL INC, Inspector Name: MIKE A. MENTZEL
 Phone Number: (262) 781-1000 Inspection Date: 2/15/12 - 2/21/12
 Address: 16745 W. BLUEMOUND RD
BROOKFIELD, WI 53005

Certifying Professional Name: ROBERT J. HARLEY, P.E.
 Phone Number: (262) 781-1000



Date: 9/13/14 Signature: Robert J. Harley

Photos of Underground System Construction

Pilgrim Village – Main Street and Pilgrim Road

February 2012

