



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 NW 1/4 Sec 23-8-20 Name of Business/Subdivision Pilgrim Glen Condominium
 Property Tax ID Number 0090-996-126 Address of Property Plat Addendum No. 2
 thru 0090-996-167 Amberleigh Circle

Dry Pond	
Wet Pond	X
Other	

Description: Pond #2 Location Of Pond SE quadrant of property

Year Pond Constructed 2008 Year of Last Certification _____

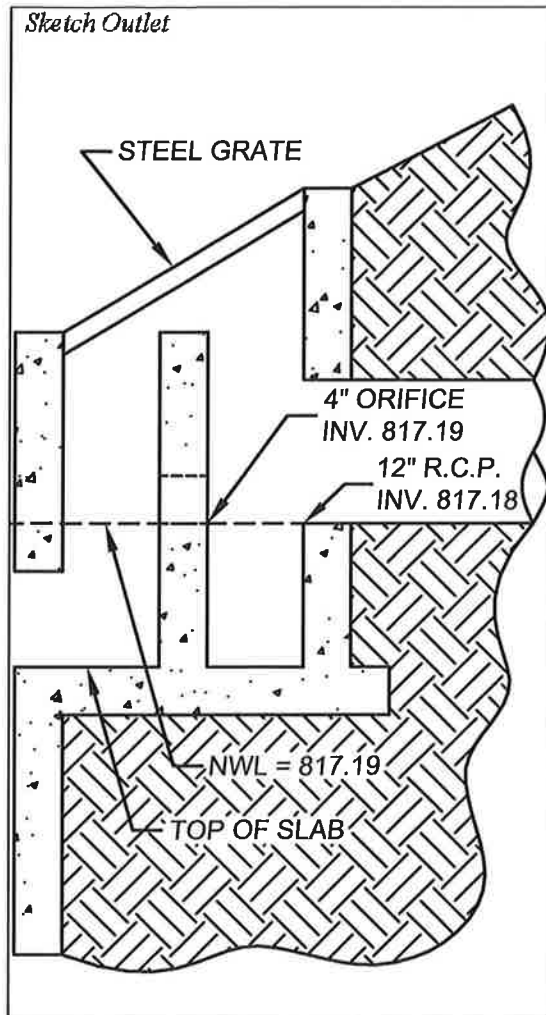
Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				
Opening Diameter	12"	12"		
Upstream Invert	817.00	817.18		PRIMARY OUTLET LOCATED AT SE CORNER OF POND, NOT EAST SIDE
Downstream Invert	816.48	816.77		
Length	52.0'	29.9'		
Slope	0.010 '/'	0.014 '/'		
Secondary Outlet Pipe (If Applicable)				
Opening Diameter				
Upstream Invert				
Downstream Invert				
Length				
Slope				
Riser (If Applicable)				
Opening Diameter				
Elevation				
Upper Discharge Control (If Applicable)				
Opening Diameter				
Elevation				

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter						
Elevation						
Other (Description)						
Opening Type VERTICAL ORIFICE	4" DIA.	4" DIA.				
Elevation	817.00	817.19				
Emergency Spillway						
Elevation	821.50	821.88				
Length of spillway <i>width</i>	20.0'	20.0'				
Embankment			Present Yes No			
Unauthorized plantings, trees, or woody vegetation				X		
Animal burrows or slope erosion				X		
Storage Properties	Design	Actual	Compliant Yes No		Points Surveyed	Equipment Used
Normal Water Elevation (Wet Ponds)	817.00	817.19				TRIMBLE 5600 TOTAL STATION / R6 GPS
Design High Water Elevation	821.55	821.61				HWL CALCULATED BY HYDROCAD
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.660	0.688				
Area at Design High Water Elevation (Ac)	1.100	1.171				AREA AT HWL CALCULATED BY HYDROCAD
Active Storage Available (Ac-Ft)*	3.961	4.107				AVAILABLE STORAGE CALCULATED BY HYDROCAD
Lowest Elevation at Top of Embankment (If Applicable)	822.50	821.88				
Average Elevation at Top of Embankment (If Applicable)	822.50	822.80				
Maximum Bottom Elevation	811.00	810.50				
Average Pond Bottom Elevation	811.00	811.00				
Pond Bottom Area (Ac)	0.330	0.293				
Maximum Pond Depth	6.0'	6.7'				
Average Pond Depth	6.0'	6.2'				

*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



Inspection Firm: JSD Professional Services, Inc. Inspector Name : Rizal Iskandarsjach
 Phone Number: (262) 513-0666 Inspection Date: August 19, 2010
 Address: N22 W22931 Nancys Ct.
 Suite 3
 Waukesha, WI 53186

Certifying
 Professional Name: Tom Gilgenbach, P.E.
 Phone Number: (262) 513-0666



Date: 9/1/10
 Signature: *Thomas A. Gilgenbach*



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STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section NW 1/4 Sec 23-8-20 Name of Business/Subdivision Pilgrim Glen Condominium
Property Tax ID Number 0090-996-066 Address of Property Addendum No. 1
thru 0090-996-125 Macallan Court

Dry Pond	
Wet Pond	X
Other	

Description: Pond #4 Location Of Pond SE quadrant of property

Year Pond Constructed 2008 Year of Last Certification _____

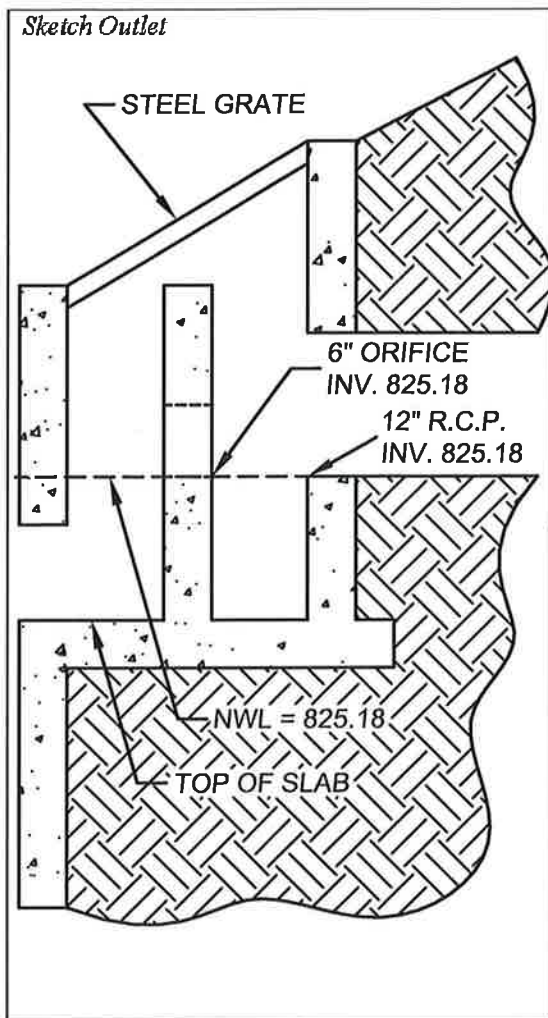
Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				
Opening Diameter	12"	12"		
Upstream Invert	825.00	825.18		
Downstream Invert	824.49	824.09		
Length	51.0'	28.1'		
Slope	0.010 ' /'	0.039 ' /'		
Secondary Outlet Pipe	(If Applicable)			
Opening Diameter				
Upstream Invert				
Downstream Invert				
Length				
Slope				
Riser	(If Applicable)			
Opening Diameter				
Elevation				
Upper Discharge Control	(If Applicable)			
Opening Diameter				
Elevation				

Compliance Verification	Design	Actual	Compliant Yes No		Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter					
Elevation					
Other (Description)					
Opening Type VERTICAL ORIFICE	6" DIA.	6" DIA.			
Elevation	825.00	825.18			
Emergency Spillway					
Elevation	828.50	828.60			
Length of spillway	20.0'	21.0'			
Embankment			Present Yes No		
Unauthorized plantings, trees, or woody vegetation				X	
Animal burrows or slope erosion				X	
Storage Properties	Design	Actual	Compliant Yes No		Points Surveyed
Normal Water Elevation (Wet Ponds)	825.00	825.18			
Design High Water Elevation	828.52	828.66			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.530	0.554			
Area at Design High Water Elevation (Ac)	1.020	1.020			
Active Storage Available (Ac-Ft)*	2.667	2.617			
Lowest Elevation at Top of Embankment (If Applicable)	829.50	828.80			
Average Elevation at Top of Embankment (If Applicable)	829.50	829.80			
Maximum Bottom Elevation	820.00	819.70			
Average Pond Bottom Elevation	820.00	820.00			
Pond Bottom Area (Ac)	0.223	0.187			
Maximum Pond Depth	5.0'	5.5'			
Average Pond Depth	5.0'	5.2'			

*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



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 Phone Number: (262) 513-0666
 Address: N22 W22931 Nancys Ct.
Suite 3
Waukesha, WI 53186

Inspector Name :
 Inspection Date:

Rizal Iskandarsjach
August 19, 2010

Certifying

Professional Name: Tom Gilgenbach, P.E.
 Phone Number: (262) 513-0666

Date:

9/1/10

Signature:

Thomas Gilgenbach





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Quarter Section NW 1/4 Sec 23-8-20 Name of Business/Subdivision Pilgrim Glen Condominium
 Property Tax ID Number 0090-996-066 Address of Property Addendum No. 1
 thru 0090-996-125 Macallan Court

Dry Pond	
Wet Pond	X
Other	

Description: Pond #3 Location Of Pond

NE quadrant of property

Year Pond Constructed 2008

Year of Last Certification _____

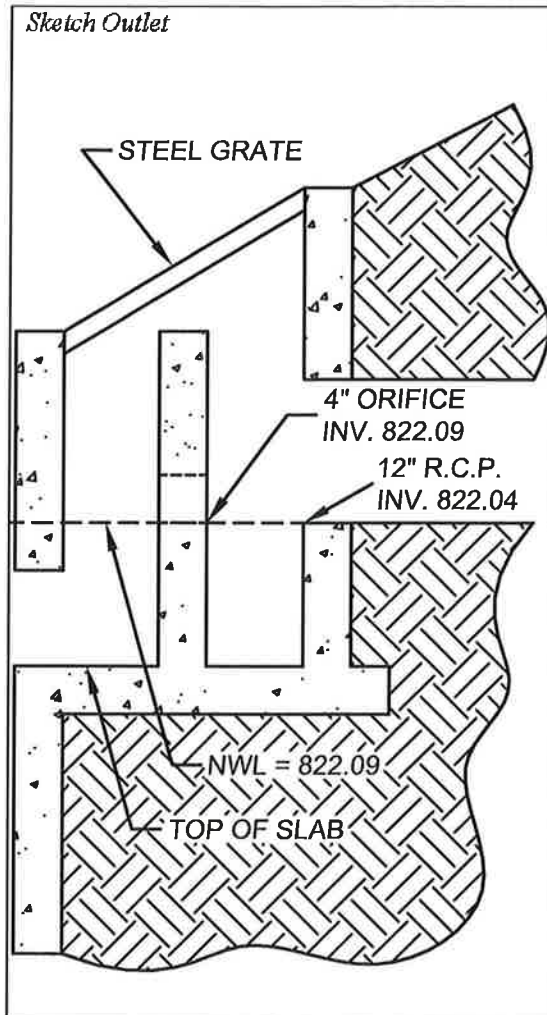
Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter	12"	12"			
Upstream Invert	822.00	822.04			
Downstream Invert	821.50	821.05			
Length	50.0'	33.1'			
Slope	0.010 '/'	0.030 '/'			
Secondary Outlet Pipe	(If Applicable)				
Opening Diameter					
Upstream Invert					
Downstream Invert					
Length					
Slope					
Riser	(If Applicable)				
Opening Diameter					
Elevation					
Upper Discharge Control	(If Applicable)				
Opening Diameter					
Elevation					

Compliance Verification	Design	Actual	Compliant Yes No		Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter					
Elevation					
Other (Description)					
Opening Type VERTICAL ORIFICE	4" DIA.	4" DIA.			
Elevation	822.00	822.09			
Emergency Spillway					
Elevation	826.50	825.87			
Length of spillway	20.0'	20.0'			
Embankment			Present Yes No		
Unauthorized plantings, trees, or woody vegetation				X	
Animal burrows or slope erosion				X	
Storage Properties	Design	Actual	Compliant Yes No		Points Surveyed
Normal Water Elevation (Wet Ponds)	822.00	822.09			
Design High Water Elevation	824.91	825.12			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.450	0.390			
Area at Design High Water Elevation (Ac)	0.712	0.693			
Active Storage Available (Ac-Ft)*	1.707	1.690			
Lowest Elevation at Top of Embankment (If Applicable)	827.50	826.50			
Average Elevation at Top of Embankment (If Applicable)	827.50	826.70			
Maximum Bottom Elevation	818.00	817.25			
Average Pond Bottom Elevation	818.00	818.00			
Pond Bottom Area (Ac)	0.183	0.115			
Maximum Pond Depth	4.0'	4.8'			
Average Pond Depth	4.0'	4.1'			

*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



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 Inspection Date: August 19, 2010

Certifying
 Professional Name: Tom Gilgenbach, P.E.
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Date: 9/1/10 Signature: Thomas Gilgenbach





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Quarter Section NW 1/4 Sec 23-8-20 Name of Business/Subdivision Pilgrim Glen Condominium
 Property Tax ID Number 0090-996-168 Address of Property Addendum No. 3
 thru 0090-996-197 Tartan Circle

Dry Pond	
Wet Pond	X
Other	

Description: 23N004 Pond #5
 Location Of Pond

SE quadrant of property

Year Pond Constructed 2008 Year of Last Certification

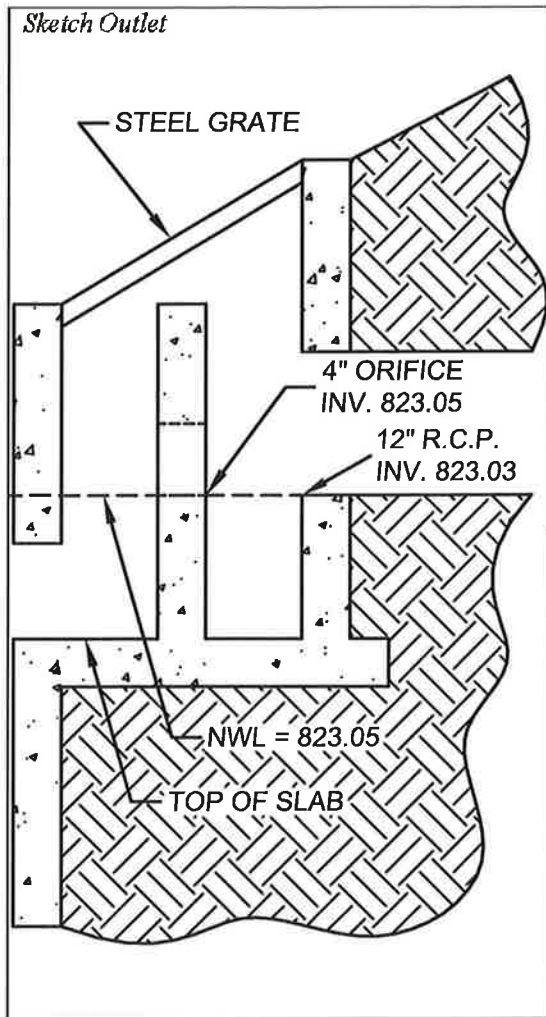
Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter	12"	12"			
Upstream Invert	823.00	823.03			
Downstream Invert	822.55	822.31			
Length	45.0'	51.6'			
Slope	0.010 '/'	0.014 '/'			
Secondary Outlet Pipe (If Applicable)					
Opening Diameter					
Upstream Invert					
Downstream Invert					
Length					
Slope					
Riser (If Applicable)					
Opening Diameter					
Elevation					
Upper Discharge Control (If Applicable)					
Opening Diameter					
Elevation					

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter						
Elevation						
Other (Description)						
Opening Type VERTICAL ORIFICE	4" DIA.	4" DIA.				
Elevation	823.00	823.05				
Emergency Spillway						
Elevation	827.50	827.51				
Length of spillway	20.0'	20.2'				
Embankment			Present Yes No			
Unauthorized plantings, trees, or woody vegetation				X		
Animal burrows or slope erosion			X		ANIMAL BURROWS PRESENT NO SLOPE EROSION	
Storage Properties	Design	Actual	Compliant Yes No		Points Surveyed	Equipment Used
Normal Water Elevation (Wet Ponds)	823.00	823.05				TRIMBLE 5600 TOTAL STATION / R6 GPS
Design High Water Elevation	827.58	827.61				HWL CALCULATED BY HYDROCAD
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.330	0.322				
Area at Design High Water Elevation (Ac)	0.628	0.600				AREA AT HWL CALCULATED BY HYDROCAD
Active Storage Available (Ac-Ft)*	2.150	2.075				AVAILABLE STORAGE CALCULATED BY HYDROCAD
Lowest Elevation at Top of Embankment (If Applicable)	828.50	828.20				
Average Elevation at Top of Embankment (If Applicable)	828.50	828.50				
Maximum Bottom Elevation	818.00	817.02				
Average Pond Bottom Elevation	818.00	818.00				
Pond Bottom Area (Ac)	0.112	0.072				
Maximum Pond Depth	5.0'	6.0'				
Average Pond Depth	5.0'	5.1'				

*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



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