

2009

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

Res
6/30/10

STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section NE 1/4 34 Name of Business/Subdivision RAVENSWOOD
Property Tax ID Number 0133.216 Address of Property _____

Dry Pond	
Wet Pond	X
Other	

Description:

34 NW 004

Location Of
Pond

OUTLOT 2
#1

(Southern)

Year Pond Constructed

Year of Last Certification

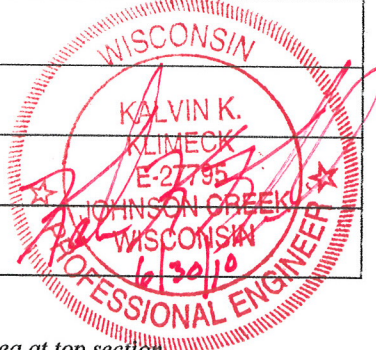
Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				
Opening Diameter	12"	12"	X	CONDITION OF STRUCTURE
Upstream Invert	804.6	803.90	X	APPEARS TO BE IN
Downstream Invert	803.0	802.82	X	GOOD SHAPE
Length	334	333.76	X	
Slope	0.30	0.324%	X	
Secondary Outlet Pipe (If Applicable)				
Opening Diameter				
Upstream Invert				
Downstream Invert				
Length				
Slope				
Riser (If Applicable)				
Opening Diameter				
Elevation	807.9	807.61	X	
Upper Discharge Control (If Applicable)				
Opening Diameter				
Elevation				

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter	6"	6"	X			
Elevation	804.2	803.90	X			
Other (Description)						
Opening Type						
Elevation						
Emergency Spillway						
Elevation	808.9	808.75	X			
Length of spillway	20'	21.4'	X			
Embankment			Present Yes No			
Unauthorized plantings, trees, or woody vegetation			X		UNDERBRUSH (SLIGHT)	
Animal burrows or slope erosion				X		
Storage Properties	Design	Actual	Compliant Yes No		Points Surveyed	Equipment Used
Normal Water Elevation (Wet Ponds)	804.0	804.1	X		YES	TOTAL STATION
Design High Water Elevation	808.26	808.3	X		"	"
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.44	0.44	X		"	"
Area at Design High Water Elevation (Ac)	0.67	0.67	X		"	"
Active Storage Available (Ac-Ft)*	2.3	2.3	X			
Lowest Elevation at Top of Embankment (If Applicable)	809.9	809.7	X			
Average Elevation at Top of Embankment (If Applicable)	809.9	809.8	X			
Maximum Bottom Elevation	796.0	795.3	X			BOAT & STICK
Average Pond Bottom Elevation	796.0	795.3	X			
Pond Bottom Area (Ac)						
Maximum Pond Depth	8.0	8.8	X			
Average Pond Depth	8.0	8.8	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



Ravenwoods Pond #1









