



2008 Rec 4-30-08
 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 36-8-20 Name of Business/Subdivision Milcut
 Property Tax ID Number MNFV0143999022 Address of Property N50 W13400 Overview Drive
Menomonee Falls, WI

Dry Pond	
Wet Pond	✓
Other	

365001

Description: Storm Water Pond

Location Of Pond Northwest corner of site,
adjacent to building and
loading docks

Year Pond Constructed 2003 Year of Last Certification N.A.

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter	12"	12"	✓		
Upstream Invert	751.60	751.65	✓		Outlet functions per intended designed.
Downstream Invert	751.50	751.56	✓		
Length	28	32	✓		Outlet functions per intended design.
Slope	0.357%	0.281%	✓		Sufficient slope to convey 100-yr pond outflow.
Secondary Outlet Pipe	(If Applicable)				
Opening Diameter					
Upstream Invert					
Downstream Invert					
Length					
Slope					
Riser	(If Applicable)				
Opening Diameter	24"	21"	✓		Riser functions per intended design with 21".
Elevation	755.85	755.03		✓	Lower elev. allows greater outflow for 100-yr.
Upper Discharge Control	(If Applicable)				
Opening Diameter					
Elevation					

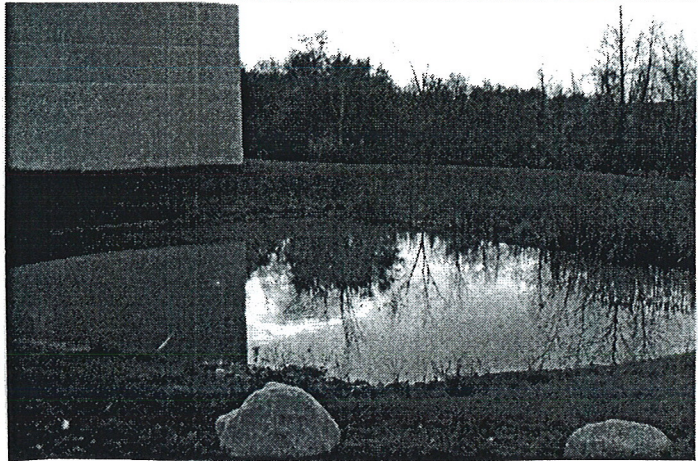
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter	3"	5"		✓	Opening too large to meet allowable discharge.	
Elevation	751.90	752.03	✓		Pond functions per intended design.	
Other (Description)						
Opening Type						
Elevation						
Emergency Spillway						
Elevation	756.0	755.6	✓		Above 100-yr pond peak elevation.	
Length of spillway	18 ft.	18 ft.	✓			
Embankment			Present Yes No			
Unauthorized plantings, trees, or woody vegetation			✓		Tree growing at outlet structure.	
Animal burrows or slope erosion			✓		Outlet clogged with debris & soil.	
Storage Properties	Design	Actual	Compliant Yes No		Points Surveyed	Equipment Used
Normal Water Elevation <i>(Wet Ponds)</i>	751.90	752.03	✓		18	Total Station
Design High Water Elevation	755.94	755.28	✓		27	Total Station
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.071	0.077	✓		18	Total Station
Area at Design High Water Elevation (Ac)	0.180	0.189	✓		27	Total Station
Active Storage Available (Ac-Ft)*	0.506	0.431	✓		45	Total Station
Lowest Elevation at Top of Embankment (If Applicable)	757.0	756.7	✓		37	Total Station
Average Elevation at Top of Embankment (If Applicable)	757.0	757.0	✓		37	Total Station
Maximum Bottom Elevation	747.5	747.8	✓		5	Total Station
Average Pond Bottom Elevation	748.0	748.0	✓		5	Total Station
Pond Bottom Area (Ac)	0.004	0.006	✓		5	Total Station
Maximum Pond Depth	4.4 ft.	4.2 ft.	✓		5	Total Station
Average Pond Depth	4.0 ft.	4.0 ft.	✓		48	Total Station

*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, $A1$ = area at bottom, $A2$ = area at top

Sketch Outlet



Inspection Firm: Land Information Services
Phone Number: (414) 527-9000
Address: 8000 W. Good Hope Rd.
Milwaukee, WI 53223

Inspector Name : Nicholas Kehl
Inspection Date: 11/09/07

Certifying
Professional Name: Mark Babich
Phone Number: (414) 527-9000

Date: 11/09/07
Signature: 