

2007 file

Rec 10/10/12



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 SE ¼ 26 Name of Business/Subdivision High Point Commons
 Property Tax ID Number 104-984-001 Address of Property N56 W 14154 W. Silver Spring Dr.
 Date 10-4-2012 Menomonee Falls, WI 53051

Dry Pond	
Wet Pond	X
Other	

Location of Pond NW Corner of the property of the subject address

Pond ID: Storm Water Pond
SWP 265010

Year Pond Constructed 2007 Year of Last Certification As-Built Feb. 2008

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material: H.D.PE.
Opening Diameter (inches)	15.00	15.00	X		
Upstream Invert	778.70	778.77	X		
Downstream Invert	778.45	778.45	X		
Length (feet)	50.00	58.00	X		
Slope (%)	0.50	0.55	X		
Secondary Outlet Pipe (If Applicable)					Outlet Pipe Material
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser (If Applicable)					Riser Material: Concrete
Opening Diameter (inches)	42.00	42.00	X		NOTE: Trash guard Not on riser structure per plan details. AB Plan #U-638 Ind. temp. riser structure = 782.49. Constr./SWMgmt. Plan Ind. = 785.40
Elevation	785.40	784.92		X	
Upper Discharge Control (If Applicable)					Discharges to 15" Primary outlet pipe
Opening Diameter (inches)	8.00	8.00	X		
Elevation	783.10	783.22	X		

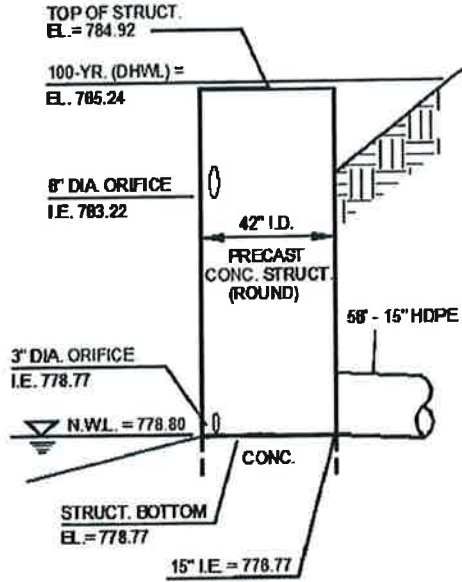
Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	4.00	3.00		X	Constr./SWMgmt. Plan Indicates 4.00" Dia.	
Elevation	778.70	778.77	X			
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	786.00	786.25	X		Elev. at top of rip-rap Crest Elev.=785.50	
Length of spillway (feet)	15.00	15.00	X			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	15" H.D.PE.		NE Corner of Pond Interior		w/ rip-rap	
Outfall 2	15" H.D.PE.		SE Corner of Pond Interior		w/ rip-rap	
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	778.70	778.80	X			Trimble GPS Instrument (100-Yr.) DHWL=785.24
Design High Water Elevation	785.24	785.24	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.31	0.29	X		22	
Area at Design High Water Elevation (Ac)	0.70	0.65	X		25	
Active Storage Available (Ac-Ft)*	3.17	3.00	X			
Lowest Elevation at Top of Embankment (If Applicable)	786.50	786.17	X		34	
Average Elevation at Top of Embankment (If Applicable)	786.50	786.70	X		34	
Maximum Bottom Elevation	772.00	771.70	X		3	
Average Pond Bottom Elevation	772.00	772.00	X		18	
Pond Bottom Area (Ac)		0.47	X		18	
Maximum Pond Depth	6.20	7.10	X			
Average Pond Depth						
Average Permanent Pool Depth (Wet Ponds)	6.70	6.80	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

Sketch Outlet or Attach to Document



Attach As-built Survey to the Document for the first report submission

Inspection Firm: **North Shore Engineering, Inc.**

Inspector Name : **John A. Westbrooke**

Phone Number: **(262) 241-9400**

Inspection Date: **9-27-2012**

Address: **11433 N. Port Washington Rd.
Mequon, WI 53092**

Certifying Professional **James W. Hensel, P.E.**

Name:

Phone Number: **(262) 241-9400**

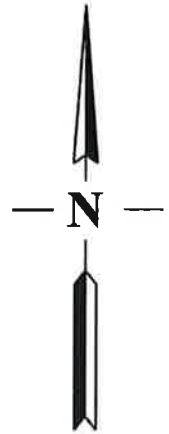


Date: **OCTOBER 8, 2012**

Signature: *James W. Hensel*

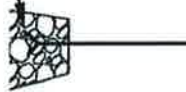
RECORD / AS-BUILD

STORM WATER DETENTION
HIGH POINT COMMONS
W. SILVER SPRING DR. &
MENOMONEE FALLS, WI 53051 = 790.25

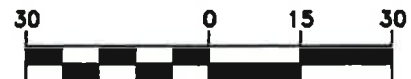
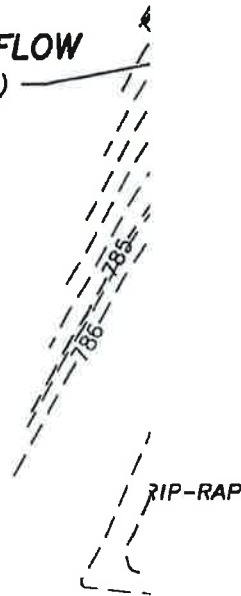


SCALE 1" = 30'

15" HDPE OL
NW. DISCHARGE



EMERGENCY OVERFLOW
(RIP-RAP)



SCALE: 1" = 30'



NORTH SHORE
Consulting Eng
11433 N. Port Washington
(262) 241-94

10-5-2012