



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 NW1/4 SEC 4 T8N R20E Name of Business/Subdivision PH Menomonee Falls LLC
 Property Tax ID Number _____ Address of Property PH Menomonee Falls LLC
N95 W18181 Appleton Avenue

Dry Pond	X
Wet Pond	
Other	

Location Of Pond North Side of Parcel

Description: _____

Year Pond Constructed 2007 Year of Last Certification 2007

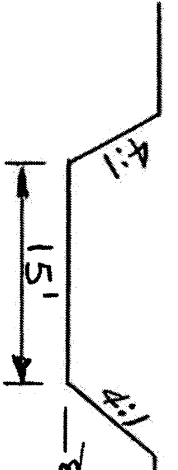
Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter	12"	12"	X		
Upstream Invert	858.0	858.09	X		
Downstream Invert	857.0	857.07	X		
Length	46.1	45.5	X		
Slope	2.17%	2.20%	X		
Secondary Outlet Pipe (If Applicable)					
Opening Diameter			NA		
Upstream Invert			NA		
Downstream Invert			NA		
Length			NA		
Slope			NA		
Riser (If Applicable)					
Opening Diameter	12"	12"	X		
Elevation	861.5	861.67	X		
Upper Discharge Control (If Applicable)					
Opening Diameter			NA		
Elevation			NA		

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter	12"	12"	X			
Elevation	858.0	858.09	X			
Other (Description)			NA			
Opening Type			NA			
Elevation			NA			
Emergency Spillway						
Elevation	862.5	862.8	X		Presumed - buried in rip rap	
Length of spillway	15'	15.5'	X			
Embankment			Present			
			Yes	No		
Unauthorized plantings, trees, or woody vegetation				X		
Animal burrows or slope erosion				X		
Storage Properties	Design	Actual	Compliant		Points Surveyed	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	NA	NA	NA			TopCon GTS-213 Total Station
Design High Water Elevation	862.5	862.8	X		Previous	
Area at Normal Water Elevation (Ac) (Wet Ponds)	NA	NA	NA			
Area at Design High Water Elevation (Ac)	0.080	0.082	X			
Active Storage Available (Ac-Ft)*	0.11	0.12	X			
Lowest Elevation at Top of Embankment (If Applicable)	863.30	863.20	X			
Average Elevation at Top of Embankment (If Applicable)	863.4	863.5	X			
Maximum Bottom Elevation	860.50	860.62	X			
Average Pond Bottom Elevation	860.5	860.2	X			
Pond Bottom Area (Ac)	0.031	0.030	X			
Maximum Pond Depth	1'	1'	X			
Average Pond Depth	0.5	0.5	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



POND OVER FLOW
NOT TO SCALE

~~863.30~~ [863.22] 863.2
~~862.50~~ [862.80] Presumed - buried in Rip Rap

GEOMEMBRANE LINER:
 LINER SHALL BE MINIMUM 30 MIL HDPE/LDPE LINER AS
 MANUFACTURED BY BEND TARP AND LINER, INC. OR EQUAL.
 LINER SHALL MEET THE FOLLOWING MINIMUM
 SPECIFICATIONS:

WEIGHT: 16.7 OZ/SY (ASTM D 1910)

THICKNESS: 30 MILS

TENSILE STRENGTH:

WARP 632 LBS (ASTM D 751)

WEFT 598 LBS

ELONGATION TO BREAK:

WARP 29%

WEFT 34%

TEAR STRENGTH:

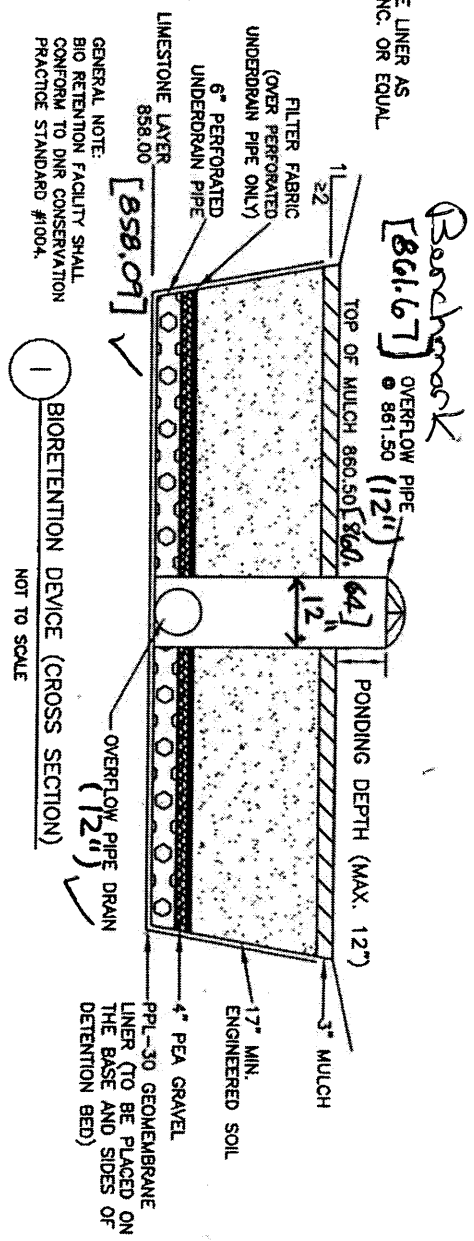
WARP 136 LBS/IN (ASTM D 751)

WEFT 111 LBS/IN

BURSTING STRENGTH: 1000+ PSI (ASTM D 751)

HYDROSTATIC RESISTANCE: 340 PSI (ASTM D 751A)

LOW TEMPERATURE COLD CRACK -65°F (ASTM D 2156)



GENERAL NOTE:
 BIO RETENTION FACILITY SHALL
 CONFORM TO DNR CONSERVATION
 PRACTICE STANDARD #1004.

AAA
 Inspection
 11/5/12
 [AS-BUILT]-10-11-07



1300 WEST CANAL STREET
 MILWAUKEE, WI 53233
 PHONE: (414) 643-4200
 FAX: (414) 643-4210
 CONTACT: PH

N95W18169 & N95W18167 APPLETON AVE.
 MENOMONEE FALLS, WI

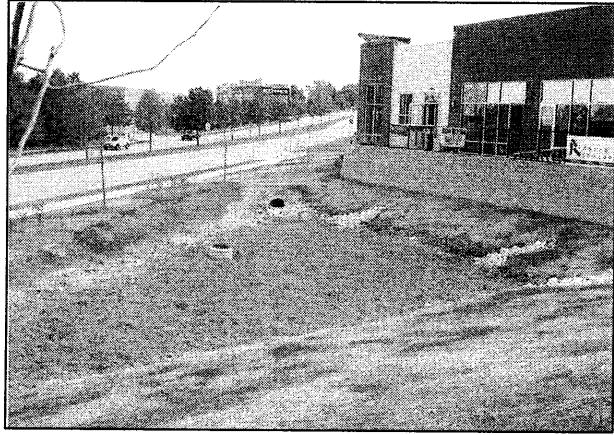
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DATE: 07-05-07

DR.#1831-001C-1

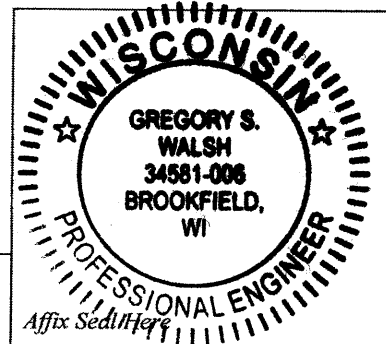
Sketch Outlet

See Attached Drawing by Sigma



Inspection Firm: Assured Environmental Assoc Inspector Name : Gregory S. Walsh, P.E.
Phone Number: 262-781-4646 Inspection Date: 11/05/2012
Address: _____

Certifying
Professional Name: Gregory S. Walsh, P.E.
Phone Number: 262-781-4646



Date: 11/05/2012 Signature: 