



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 33 SE Name of Business/Subdivision RIDGEFIELD SUBDIVISION
 Property Tax ID Number 0135248 Address of Property WETLAND/POND

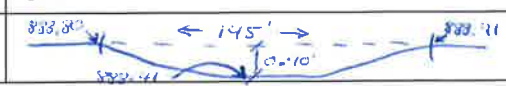
Dry Pond	
Wet Pond	X
Other	

Description: SWP33S005
Q-149 U-320 U-323 U-327

Location Of Pond NORTH OF THORNAPPLE CT,
SOUTH OF SHEFFIELD LN,
WEST OF GREENVIEW AVE,
EAST OF CHRISTOPHER CT

Year Pond Constructed 1989 Year of Last Certification UNKNOWN

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe			Outlet Pipe Material		
Opening Diameter (inches)	24" RCP	24" RCP	-	-	24" RCP IN GOOD CONDITION ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Upstream Invert (IN33S014)	885.00	884.91	-	-	
Downstream Invert (OT33S023)	884.75	884.79	-	-	
Length (feet)	40.0 FT	47.9 FT	-	-	
Slope (%)	0.0063%	0.0025%	-	-	
Secondary Outlet Pipe			Outlet Pipe Material		
Opening Diameter (inches)	N/A		-	-	
Upstream Invert			-	-	
Downstream Invert			-	-	
Length (feet)			-	-	
Slope (%)			-	-	
Riser			Riser Material		
Opening Diameter (inches)	N/A		-	-	
Elevation			-	-	
Upper Discharge Control					
Opening Diameter (inches)	N/A		-	-	
Elevation			-	-	

Compliance Verification	Design	Actual	Compliant		Comments
			Yes	No	
Lower Discharge Control	N/A				
Opening Diameter (inches)			-	-	
Elevation			-	-	
Other (Description)	N/A				
Opening Type and Size (inches)			-	-	
Elevation			-	-	
Emergency Spillway					
Elevation	N/A	888.41	-	-	GPS
Length of spillway (feet)	N/A	145.0 FT	-	-	
Embankment	Present Yes No		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	Y	-	WOODY VEG. ALONG SHORE & IN WETLANDS		
Animal burrows or slope erosion or hole	-	N	BEAVER/MUSKRAT LODGES PRESENT		
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1 (OT33S004)	RCP - 24" - 883.92		SHEFFIELD LN (N POND)		END SECTION SEPARATED @ STORM PIPE REMOVE GRAVEL WASHOUT IN BAY
Outfall 2 (OT33S005)	RCP - 30" - 884.97		GREENVIEW CT (E MARSH)		
Outfall 3 (OT33S006)	RCP - 12" - 886.32		W173N4877 CRABAPPLE CT		BELOW GRADE BELOW GRADE
Outfall 4 (OT33S007)	RCP - 12" - 883.96		(S POND) SAN. LIFT STA.		
Outfall 5					
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	N/A	886.00	-	-	GPS EQUIPMENT: SOKKIA GSR2700ISX & CARLSON SURVEYOR+ WITH SURV CE v1.7 NO MEASUREMENTS TAKEN OF POND BOTTOM NO MEASUREMENTS TAKEN OF POND BOTTOM NO MEASUREMENTS TAKEN OF POND BOTTOM NO MEASUREMENTS TAKEN OF POND BOTTOM
Design High Water Elevation	N/A	888.41	-	-	
Area at Normal Water Elevation (Ac) (Wet Ponds)	N/A	2.854 AC	-	-	
Area at Design High Water Elevation (Ac)	N/A	6.994 AC	-	-	
Active Storage Available (Ac-Ft)*	N/A	10.428 ACFT	-	-	
Lowest Elevation at Top of Embankment (If Applicable)	N/A	888.41	-	-	
Average Elevation at Top of Embankment (If Applicable)	889.00	888.80	-	-	
Maximum Bottom Elevation	N/A	N/A	-	-	
Average Pond Bottom Elevation	N/A	N/A	-	-	
Pond Bottom Area (Ac)	N/A	N/A	-	-	
Maximum Pond Depth	N/A	N/A	-	-	
Average Pond Depth	N/A	2.41 FT	-	-	
Average Permanent Pool Depth (Wet Ponds)	N/A	N/A	-	-	NO MEASUREMENTS TAKEN OF POND BOTTOM

*To Determine Active Storage $V = ((H/3) (A1 + A2 + ((A1 + A2)^(1/2))))$
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

Ridgefield Subdivision Wetland – SWP33S005 (Thornapple & Sheffield)

Overview



Outlet OT33S004



Outlet OT33S005



Ridgefield Subdivision Wetland – SWP33S005
(Thornapple & Sheffield)

Outlet OT33S006



Outlet OT33S007



Inlet IN33S014



Outlet OT33S023



Emergency Spillway



Ridgefield Subdivision Wetland – SWP33S005 (Thornapple & Sheffield)

Repairs Needed (12/2010)

OT33S004



- End section of pipe pushed off of storm sewer pipe.
- End section undermined.
- Erosion at bank by pipe end section.

OT33S004 Washout



- Washout restricting flow of water to pond.

OT33S005 Washout



- Washout may be restricting flow of water.

**Ridgefield Subdivision Wetland – SWP33S005
(Thornapple & Sheffield)**

Repairs Needed (12/2010) (Continued)

- OT33S004, OT33S005, OT33S006, & OT33S007 are all below grade.
(May be intentional by design.)



- Remove brush pile from emergency spillway ditch
(behind N48 W17492 Lisbon Rd)

Sketch Outlet

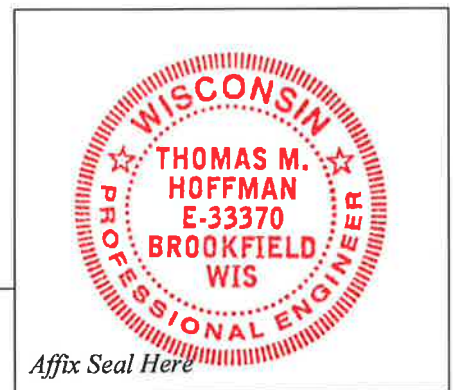
Place Photograph of Pond

Place Photograph of Pond

Inspection Firm: VILLAGE OF
MENOMONEE FALLS
Phone Number: 262-532-4411
Address: W156N8480 PILGRIM RD
MENOMONEE FALLS, WI
53051

Inspector Name : CHRISTOPHER M GARIEPY
Inspection Date: 11/10/2010

Certifying
Professional Name: Thomas M Hoffman
Phone Number: 262-532-4415



Date: 7/23/2014

Signature: Thomas M Hoffman

2010
335005

H = 2.41
A₁ = 2.854 AC
A₂ = 6.994 AC

(THRUWAY & CT + SHEFFIELD LN)
0.1757248

Ridgefield Substation Wetland (SW)

$$V = \left(\frac{H}{3}\right) (A_1 + A_2 + \sqrt{A_1 A_2})$$

$$V = \left(\frac{2.41}{3}\right) (2.854 AC + 6.994 AC + \sqrt{2.854 AC \cdot 6.994 AC})$$

$$V = (0.803) (9.848 AC + \sqrt{9.848 AC^2})$$

$$V = (0.803) (9.848 AC + 3.138 AC)$$

$$V = (0.803) (12.986 AC)$$

$$\underline{\underline{V = 10.428 ACFT}}$$

CMG 12/16/10

Sheffield Subd Pond
Thornapple Ct

5
ER & TAMI MENTING
SHEFFIELD LN

LD
ELD CT

135243
& STEFANIE GUZANICK
7395 SHEFFIELD LN

MNFV0135239
PATRICIA M WAGNER
N49W17319 SHEFFIELD LN

MNFV0135240
KARI A FERAGEN
N49W17327 SHEFFIELD LN

MNFV0135241
JOHN & SUSAN KENT
N49W17345 SHEFFIELD LN

MNFV0135242
ROBERT W MCGRATH REVOC TRUST
N49W17367 SHEFFIELD LN

MNFV0135216
YOGANAND & SUNITHA GUNDAMRAJ
W173N4877 CRABAPPLE CT

MNFV0135217
SHANE L ZEMBLE &
W173N4874 CRABAPPLE CT

MNFV0135215

MNFV0135227
MARILYN J FLEMING &
W172N4939 GREENVIEW CT

CT

MNFV0135226
JUDITH A MOUTON
N49W17179 GREENVIEW CT

MNFV0135225
GLENN & LYNN KRISTENSEN
W171N4915 GREENVIEW AVE

MNFV0135224
DAVID & JANET BRADFORD
W171N4901 GREENVIEW AVE

MNFV0135223
CRAIG & LYNN TANK
W172N4887 GREENVIEW AVE

MNFV0135222
DENNIS & PATRICIA FIETZ
W172N4873 GREENVIEW AVE

AVE

PPLE

894

SKI

894

894

892

862

894

894

894

894

894

894

898

32

GPS 2018
33

VILLARD AVENUE
F12
F12-1
F12-2

SHOOT

G12-1
G12-2



0 115 230 460 690 920 Feet
1 inch = 371 feet

MNFV0135248
33S005

G13
G13-1
G13-2

SHOOT

SHOOT
F13
F13-1
F13-2

