



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 1/4 Name of Business/Subdivision Lilly Creek Highlands II
Property Tax ID Number 0096085 Address of Property _____
Date 7-16-18 _____

| | |
|----------|---|
| Dry Pond | |
| Wet Pond | x |
| Other | |

Pond ID: SWP24S002

Location of Pond OUTLOT #5
Pond #2

Year Pond Constructed 2002 Year of Last Certification 2013

| Compliance Verification | Design | Actual | Compliant Yes No | | Comments (Condition of Structure) |
|--------------------------------|-----------------|--------|------------------------|--|---------------------------------------|
| Primary Outlet Pipe | | | | | Outlet Pipe Material |
| Opening Diameter (inches) | 24 | 24 | x | | RCP in good shape |
| Upstream Invert | 763.50 | 763.26 | x | | |
| Downstream Invert | 762.50 | 762.19 | x | | |
| Length (feet) | 114 | 109 | x | | |
| Slope (%) | 0.88 | 0.98 | x | | |
| Secondary Outlet Pipe | (If Applicable) | | | | Outlet Pipe Material |
| Opening Diameter (inches) | | | | | |
| Upstream Invert | | | | | |
| Downstream Invert | | | | | |
| Length (feet) | | | | | |
| Slope (%) | | | | | |
| Riser | (If Applicable) | | | | Riser Material |
| Opening Diameter (inches) | 36 | 36 | | | CMP in good shape |
| Elevation | 766.00 | 766.24 | | | |
| Upper Discharge Control | (If Applicable) | | | | |
| Opening Diameter (inches) | | | | | |
| Elevation | | | | | |

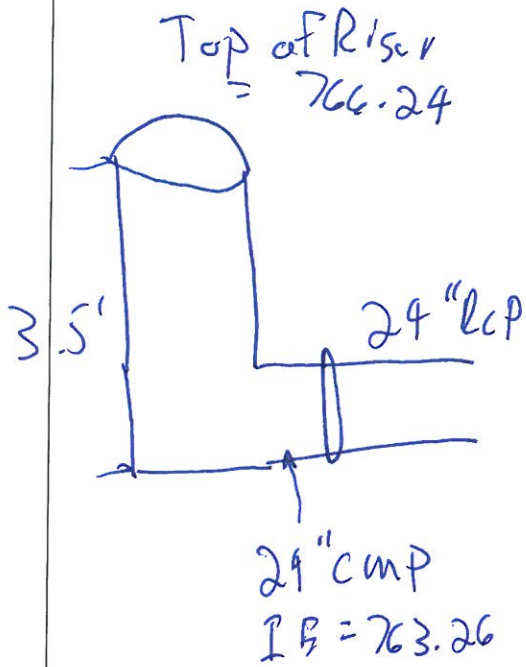
| Compliance Verification | Design | Actual | Compliant Yes No | Comments | |
|--|-------------------|--------|--|-------------------------------------|---|
| Lower Discharge Control | (If Applicable) | | | | |
| Opening Diameter (inches) | | | | | |
| Elevation | | | | | |
| Other (Description) | | | | | |
| Opening Type and Size (inches) | | | | | |
| Elevation | | | | | |
| Emergency Spillway | | | | | |
| Elevation | 770.5 | 769.5 | | | |
| Length of spillway (feet) | 10 | 10 | | | |
| Embankment | Present Yes no | | Comments/Maintenance Requirements | | |
| Unauthorized Plantings, trees, or woody vegetation | x | | Mostly cattails have overgrown bottom. See inspection report | | |
| Animal burrows or slope erosion | | x | | | |
| Storm Sewer Outfalls | Type & Size | | Location | Comments | |
| Outfall 1 | 15" RCP | | From north basin | Good condition (see inspect report) | |
| Outfall 2 | 18" RCP | | Between lots 91 & 92 | ½ full of sediment (see report) | |
| Outfall 3 | | | | | |
| Storage Properties | Design | Actual | Compliant Yes No | Not Applicable | Equipment Used |
| Normal Water Elevation (Wet Ponds) | 763.0 | 763.26 | x | | GPS & Robotic |
| Design High Water Elevation | 771.0 | 770.50 | x | | |
| Area at Normal Water Elevation (Ac) (Wet Ponds) | 0.07 | 0.10 | x | | |
| Area at Design High Water Elevation (Ac) | 0.44 | 0.44 | x | | |
| Active Storage Available (Ac-Ft)* | 2.04 | 1.95 | x | | |
| Lowest Elevation at Top of Embankment (If Applicable) | 771.5 | 770.5 | x | | |
| Average Elevation at Top of Embankment (If Applicable) | 771.5 | 771+ | x | | |
| Maximum Bottom Elevation | 760.0 | 760.0 | x | | |
| Average Pond Bottom Elevation | 760.0 | 760.0 | x | | |
| Pond Bottom Area (Ac) | 0.02 | 0.02 | x | | |
| Maximum Pond Depth | 11.0 | 11.0 | x | | See inspection report for recommendations |
| Average Pond Depth | 11.0 | 11.0 | x | | |
| Average Permanent Pool Depth (Wet Ponds) | 3.0 | 3.0 | 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



Place Photograph of Pond or Attach to Document

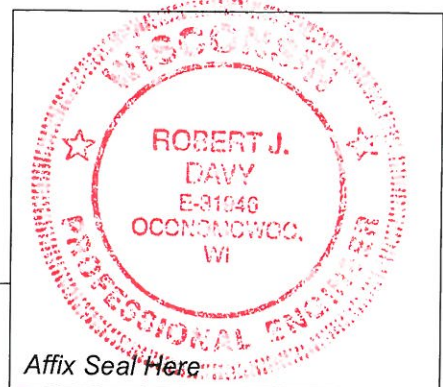
Place Photograph of Pond or Attach to Document

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


Inspection Firm: Lake Country Engineering
Phone Number: 262-569-9331
Address: P.O. Box 144
Oconomowoc, WI 53066

Inspector Name : Rob Davy
Inspection Date: 7-16-18 re inspect 10-23-19

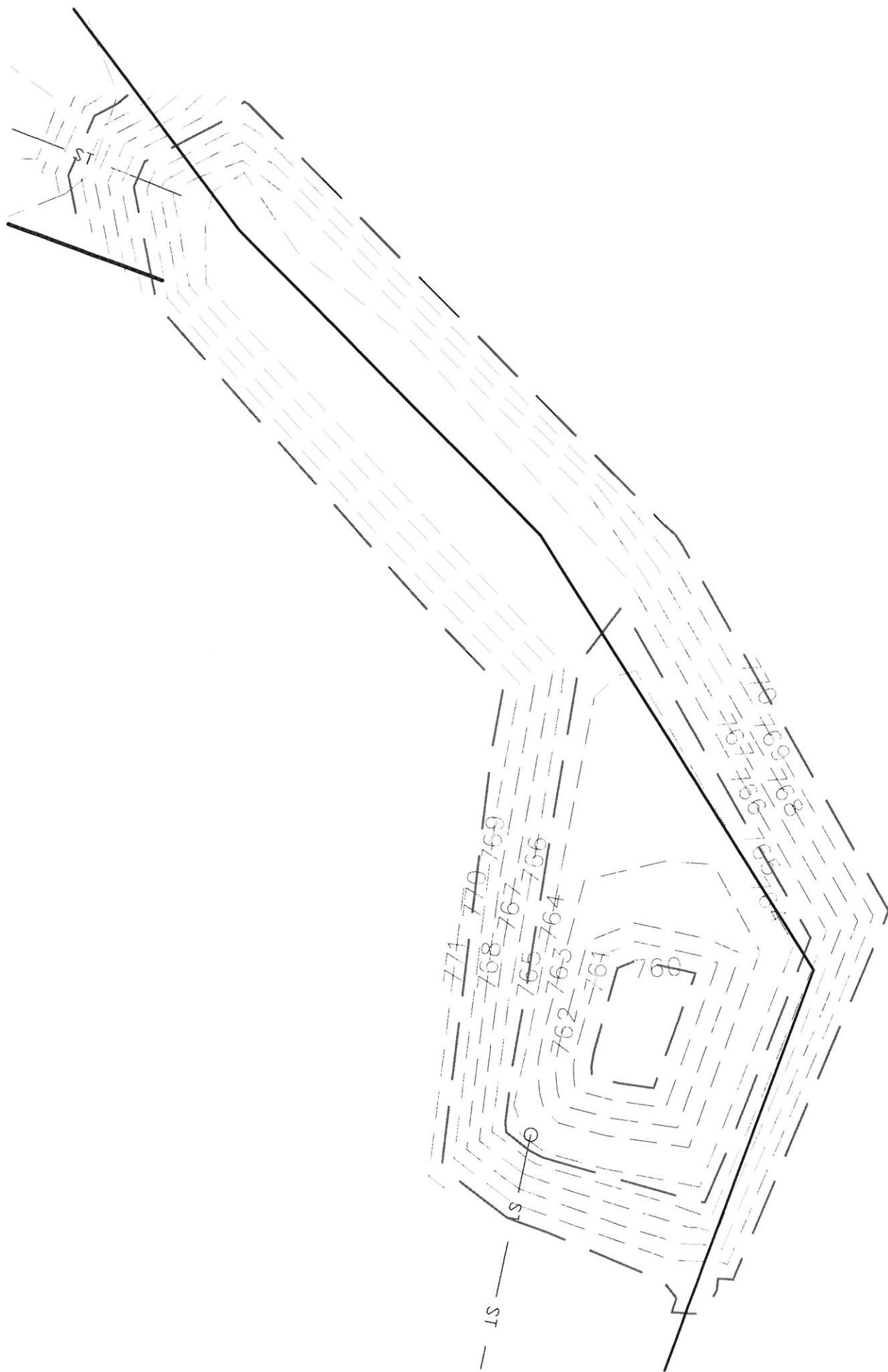
Certifying Professional Name: Robert J Davy
Phone Number: 262-569-9331



Date: 10-23-19

Signature: 

10-3-2012





10-23-19



7-17-16



7-17-18



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 1/4 Name of Business/Subdivision Lilly Creek Highlands II
Property Tax ID Number 0096085 Address of Property _____
Date 7-16-18 _____

| | |
|----------|---|
| Dry Pond | |
| Wet Pond | x |
| Other | |

Location of Pond OUTLOT #5
Pond #2

Pond ID: SWP24S002

Year Pond Constructed 2002 Year of Last Certification 2013

| Compliance Verification | Design | Actual | Compliant Yes No | | Comments (Condition of Structure) |
|--------------------------------|-----------------|--------|------------------------|--|---------------------------------------|
| Primary Outlet Pipe | | | | | Outlet Pipe Material |
| Opening Diameter (inches) | 24 | 24 | x | | RCP in good shape |
| Upstream Invert | 763.50 | 763.26 | x | | |
| Downstream Invert | 762.50 | 762.19 | x | | |
| Length (feet) | 114 | 109 | x | | |
| Slope (%) | 0.88 | 0.98 | x | | |
| Secondary Outlet Pipe | (If Applicable) | | | | Outlet Pipe Material |
| Opening Diameter (inches) | | | | | |
| Upstream Invert | | | | | |
| Downstream Invert | | | | | |
| Length (feet) | | | | | |
| Slope (%) | | | | | |
| Riser | (If Applicable) | | | | Riser Material |
| Opening Diameter (inches) | 36 | 36 | | | CMP in good shape |
| Elevation | 766.00 | 766.24 | | | |
| Upper Discharge Control | (If Applicable) | | | | |
| Opening Diameter (inches) | | | | | |
| Elevation | | | | | |

| Compliance Verification | Design | Actual | Compliant Yes No | Comments | |
|--|-------------------|--------|--|-------------------------------------|----------------|
| Lower Discharge Control | (If Applicable) | | | | |
| Opening Diameter (inches) | | | | | |
| Elevation | | | | | |
| Other (Description) | | | | | |
| Opening Type and Size (inches) | | | | | |
| Elevation | | | | | |
| Emergency Spillway | | | | | |
| Elevation | 770.5 | 769.5 | | | |
| Length of spillway (feet) | 10 | 10 | | | |
| Embankment | Present Yes no | | Comments/Maintenance Requirements | | |
| Unauthorized Plantings, trees, or woody vegetation | x | | Mostly cattails have overgrown bottom. See inspection report | | |
| Animal burrows or slope erosion | | x | | | |
| Storm Sewer Outfalls | Type & Size | | Location | Comments | |
| Outfall 1 | 15" RCP | | From north basin | Good condition (see inspect report) | |
| Outfall 2 | 18" RCP | | Between lots 91 & 92 | ½ full of sediment (see report) | |
| Outfall 3 | | | | | |
| Storage Properties | Design | Actual | Compliant Yes No | Not Applicable | Equipment Used |
| Normal Water Elevation (Wet Ponds) | 763.0 | 763.26 | x | | |
| Design High Water Elevation | 771.0 | 770.50 | x | | |
| Area at Normal Water Elevation (Ac) (Wet Ponds) | 0.07 | 0.10 | x | | |
| Area at Design High Water Elevation (Ac) | 0.44 | 0.44 | x | | |
| Active Storage Available (Ac-Ft)* | 2.04 | 1.95 | x | | |
| Lowest Elevation at Top of Embankment (If Applicable) | 771.5 | 770.5 | x | | |
| Average Elevation at Top of Embankment (If Applicable) | 771.5 | 771+ | x | | |
| Maximum Bottom Elevation | 760.0 | 762.65 | | x | |
| Average Pond Bottom Elevation | 760.0 | 764.0 | | x | |
| Pond Bottom Area (Ac) | 0.02 | 0.003 | | x | |
| Maximum Pond Depth | 11.0 | 7.85 | | x | |
| Average Pond Depth | 11.0 | 6.50 | | x | |
| Average Permanent Pool Depth (Wet Ponds) | 3.0 | .5 | | x | |

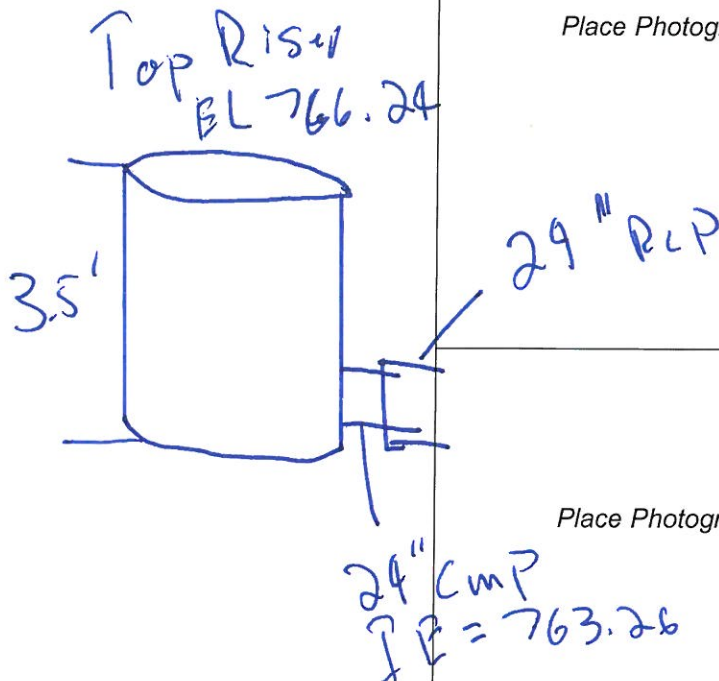
See inspection report for recommendations

*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



Place Photograph of Pond or Attach to Document

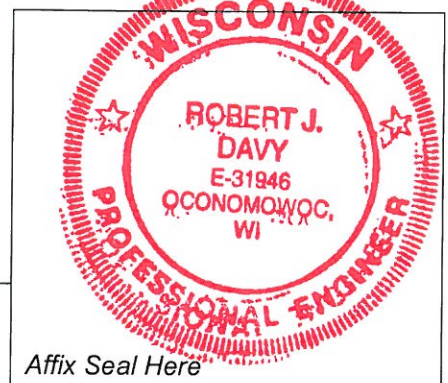
Place Photograph of Pond or Attach to Document

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

Inspection Firm: Lake Country Engineering
Phone Number: 262-569-9331
Address: P.O. Box 144
Oconomowoc, WI 53066

Inspector Name: Rob Davy
Inspection Date: 7-16-18

Certifying Professional Robert J Davy
Name:
Phone Number: 262-569-9331



Date:

7-17-18

Signature:

76.94
IPRAP

777.20
776.51
65
RIPRAP
AP

777.13
RIPRAP

766.34
IE BOT

770.30

768.91

766.85

765.53
766.29
IE BOT

766.01

770.32

770.28

767.54

765.24

765.08
767.00

770.86

770.41

765.71

763.74

762.65

764.18
765.26
765.25
766.10
TOWEL WATER SURFACE

771.21

770.33

763.94

766.41

769.02

RIPRAP

770.36

770.59

RIPRAP

770.61

RIPRAP

ST



