



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 SW 1/4 SEC.35 Name of Business/Subdivision Brook - Falls Veterinary Hospital  
 Property Tax ID Number MNFV0139991 Address of Property N48 W14850 LISBON ROAD  
MENOMONEE FALLS, WI 53051

|          |     |
|----------|-----|
| Dry Pond |     |
| Wet Pond | xxx |
| Other    |     |

Location Of Pond NE corner of the property

Description: 353003  
Asbuilt

Year Pond Constructed 2011 Year of Last Certification \_\_\_\_\_

| Compliance Verification                        | Design | Actual | Compliant |    | Comments<br>(Condition of Structure) |
|--|--------|--------|-----------|----|--------------------------------------|
|  |        |        | Yes       | No |                                      |
| <b>Primary Outlet Pipe</b>                     |        |        |           |    |                                      |
| Opening Diameter                               | 12     | 12     | x         |    |                                      |
| Upstream Invert                                | 782.00 | 782.00 | x         |    |                                      |
| Downstream Invert                              | 781.00 | 781.17 | x         |    |                                      |
| Length   | 34     | 34     | x         |    |                                      |
| Slope  | 2.94%  | 2.44%  | x         |    |                                      |
| <b>Secondary Outlet Pipe</b> (If Applicable)   |        |        |           |    |                                      |
| Opening Diameter                               |        |        |           |    |                                      |
| Upstream Invert                                |        |        |           |    |                                      |
| Downstream Invert                              |        |        |           |    |                                      |
| Length   |        |        |           |    |                                      |
| Slope  |        |        |           |    |                                      |
| <b>Riser</b> (If Applicable)                   |        |        |           |    |                                      |
| Opening Diameter                               | 24     | 24     | x         |    |                                      |
| Elevation                                      | 783.80 | 784.06 | x         |    |                                      |
| <b>Upper Discharge Control</b> (If Applicable) |        |        |           |    |                                      |
| Opening Diameter                               |        |        |           |    |                                      |
| Elevation                                      |        |        |           |    |                                      |

| Compliance Verification                                | Design          | Actual | Compliant |    | Comments        |                |
|--|-----------------|--------|-----------|----|-----------------|----------------|
|  |                 |        | Yes       | No |                 |                |
| <b>Lower Discharge Control</b>                         | (If Applicable) |        |           |    |                 |                |
| Opening Diameter                                       | 2"              | 2"     | x         |    |                 |                |
| Elevation  | 782.00          | 782.00 | x         |    |                 |                |
| <b>Other (Description)</b>                             |                 |        |           |    |                 |                |
| Opening Type   |                 |        |           |    |                 |                |
| Elevation  |                 |        |           |    |                 |                |
| <b>Emergency Spillway</b>                              |                 |        |           |    |                 |                |
| Elevation  | 784.00          | 783.76 | x         |    |                 |                |
| Length of spillway                                     | 8'              | 8'     | x         |    |                 |                |
| <b>Embankment</b>                                      |                 |        | Present   |    |                 |                |
|  |                 |        | Yes       | No |                 |                |
| Unauthorized plantings, trees, or woody vegetation     |                 |        |           | x  |                 |                |
| Animal burrows or slope erosion                        |                 |        |           | x  |                 |                |
| <b>Storage Properties</b>                              | Design          | Actual | Compliant |    | Points Surveyed | Equipment Used |
|  | Yes             | No     |           |    |                 |                |
| Normal Water Elevation<br>(Wet Ponds)                  | 782.00          | 782.00 | x         |    |                 |                |
| Design High Water Elevation                            | 783.90          | 783.86 | x         |    |                 |                |
| Area at Normal Water Elevation (Ac) (Wet Ponds)        | 0.238           | 0.238  | x         |    |                 |                |
| Area at Design High Water Elevation (Ac)               | 0.361           | 0.357  | x         |    |                 |                |
| Active Storage Available (Ac-Ft)*                      | 0.565           | 0.548  | x         |    |                 |                |
| Lowest Elevation at Top of Embankment (If Applicable)  | 784.00          | 783.76 | x         |    |                 |                |
| Average Elevation at Top of Embankment (If Applicable) | 785.00          | 785.00 | x         |    |                 |                |
| Maximum Bottom Elevation                               | 777.00          | 776.16 | x         |    |                 |                |
| Average Pond Bottom Elevation                          | 777.00          | 777.00 | x         |    |                 |                |
| Pond Bottom Area (Ac)                                  | 0.026           | .013   | x         |    |                 |                |
| Maximum Pond Depth                                     | 5'              | 5'     | x         |    |                 |                |
| Average Pond Depth                                     | 5'              | 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

|  |  |
|--|--|
| <p><i>Sketch Outlet</i></p> <p>SEE ATTACHED DETAIL</p> | <p><i>Place Photograph of Pond</i></p> <p>SEE ATTACHED</p> |
|  | <p><i>Place Photograph of Pond</i></p> <p>SEE ATTACHED</p> |

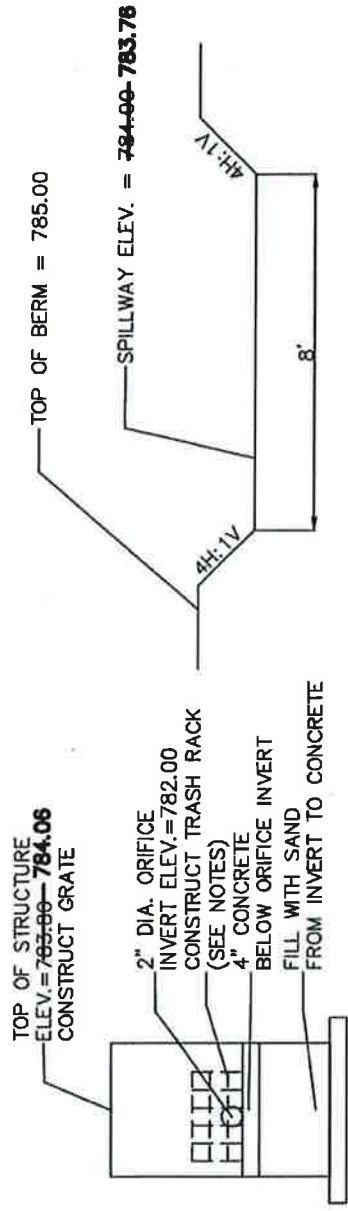
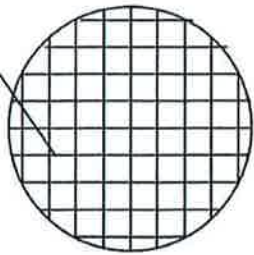
**Inspection Firm:** SURVEYING ASSOCIATES, INC.    **Inspector Name :** MTK / MCP  
**Phone Number:** (414) 257-2212    **Inspection Date:** 1/31/12  
**Address:** 2554 NORTH 100TH STREET  
WAUWATOSA, WI

**Certifying Professional Name:** JEFFREY C. DIETRICH  
**Phone Number:** (920) 410-0725



|                                    |  |
|------------------------------------|--|
| <p><i>Date:</i></p> <p>7/25/12</p> | <p><i>Signature:</i></p> <p><i>Jeffrey C. Dietrich</i></p> |
|------------------------------------|--|

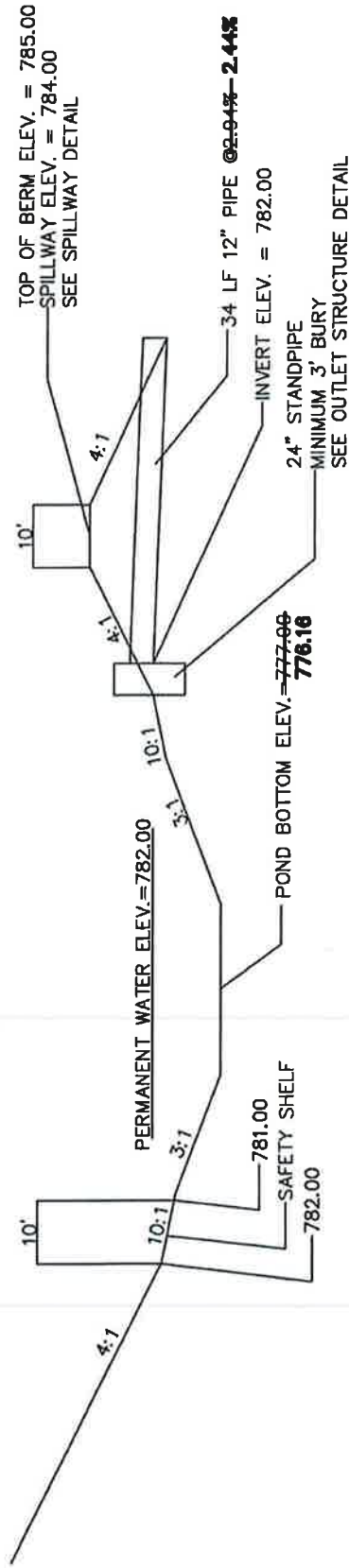
3/4" GALVANIZED STEEL BAR  
(TYPICAL)



GRATE DETAIL

OUTLET STRUCTURE DETAIL

SPILLWAY DETAIL



POND CROSS-SECTION DETAIL





