

2003 file

Rec. 8-4-2011



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 SCLB Name of Business/Subdivision CALVARY BAPTIST CHURCH
 Property Tax ID Number 0032-999-001 Address of Property N84 W19049 MENOMONEE AVE

| | |
|----------|-------------------------------------|
| Dry Pond | <input type="checkbox"/> |
| Wet Pond | <input checked="" type="checkbox"/> |
| Other | <input type="checkbox"/> |

Location Of Pond EAST SIDE OF SITE ALONG ST# 74

Description: SLOP 08 SCLB

Year Pond Constructed 2003

Year of Last Certification for 2003

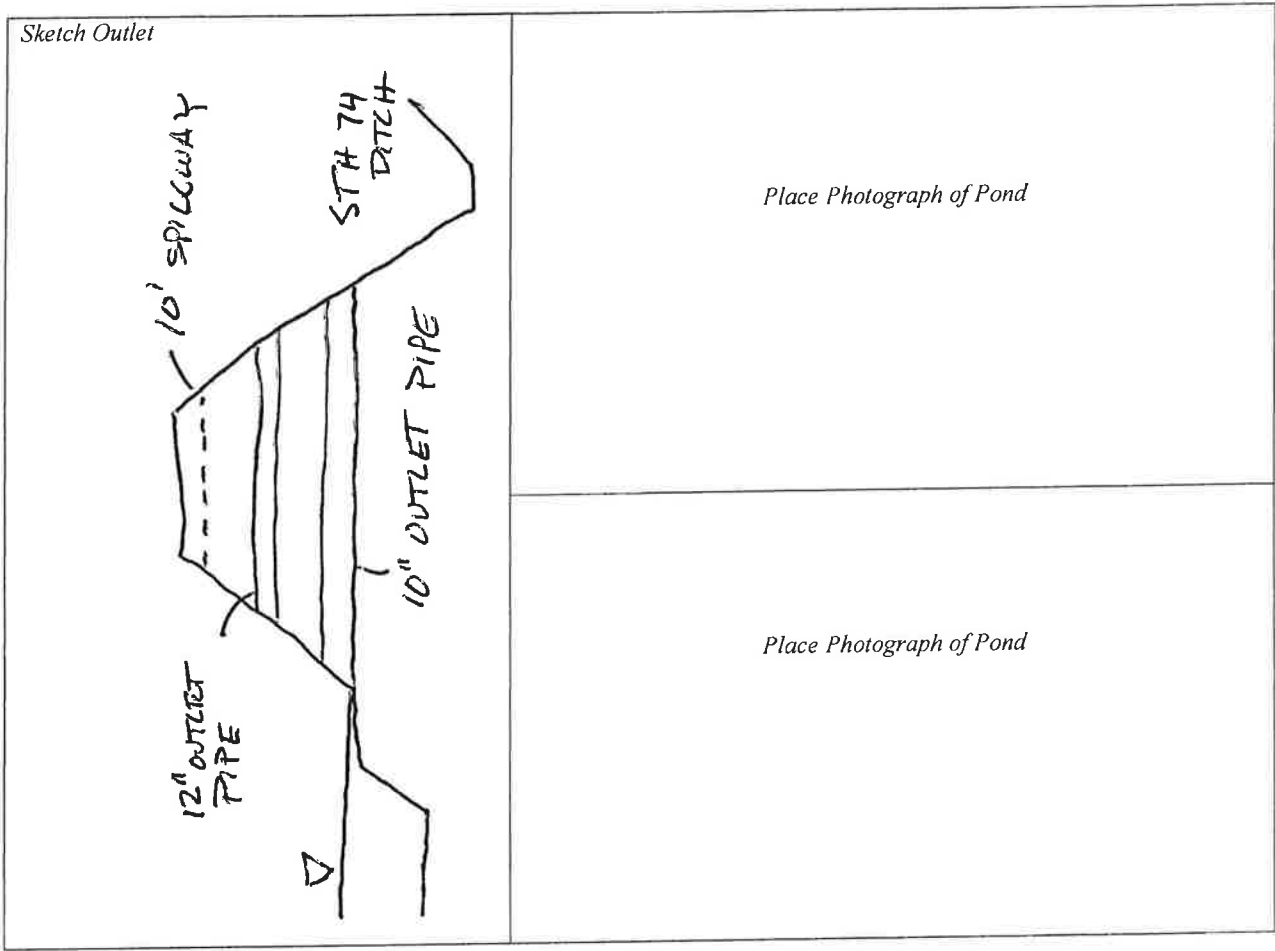
| Compliance Verification | Design | Actual | Compliant | | Comments (Condition of Structure) |
|---|--------|--------|-----------|----|--------------------------------------|
| | | | Yes | No | |
| Primary Outlet Pipe | | | | | |
| Opening Diameter | 10" | 10" | X | | AS NEW CONDITION |
| Upstream Invert | 870.0 | 870.27 | X | | CLEAN & CLEAR |
| Downstream Invert | 869.73 | 869.84 | X | | CLEAN & CLEAR |
| Length | 75.0' | 57.0' | X | | |
| Slope | 0.36% | 0.75% | X | | |
| Secondary Outlet Pipe (If Applicable) | | | | | |
| Opening Diameter | 12" | 12" | X | | AS NEW CONDITION |
| Upstream Invert | 871.5 | 871.68 | X | | CLEAN & CLEAR |
| Downstream Invert | 871.25 | 871.19 | X | | CLEAN & CLEAR |
| Length | 50.0' | 44.0' | X | | |
| Slope | 0.50% | 1.11% | X | | |
| Riser (If Applicable) | | | | | |
| Opening Diameter | NA | | | | |
| Elevation | | | | | |
| Upper Discharge Control (If Applicable) | | | | | |
| Opening Diameter | NA | | | | |
| Elevation | | | | | |

| Compliance Verification | Design | Actual | Compliant | | Comments | |
|--|---------------------|----------------------|-------------------------------------|-------------------------------------|---|----------------|
| | (If Applicable) | | Yes | No | | |
| Lower Discharge Control | (If Applicable) | | | | | |
| Opening Diameter | NA | | | | | |
| Elevation | | | | | | |
| Other (Description) | | | | | | |
| Opening Type | NA | | | | | |
| Elevation | | | | | | |
| Emergency Spillway | | | | | | |
| Elevation | 875.4 | 874.5 | <input checked="" type="checkbox"/> | | RIP RAP CLEAN & CLEAR | |
| Length of spillway | 10.0' | 10.0' | <input checked="" type="checkbox"/> | | | |
| Embankment | | | Present Yes No | | | |
| Unauthorized plantings, trees, or woody vegetation | | | <input checked="" type="checkbox"/> | | UP TO 1" WOODY VEGETATION PRESENT IN SAFETY SHELF AROUND 2/3 OF POND. DOES NOT APPEAR TO HINDER FUNCTION OF BASIN | |
| Animal burrows or slope erosion | | | | <input checked="" type="checkbox"/> | | |
| Storage Properties | Design | Actual | Compliant | | Points Surveyed | Equipment Used |
| Normal Water Elevation (Wet Ponds) | 870.0 | 870.02 | <input checked="" type="checkbox"/> | | 9 | TOTAL STATION |
| Design High Water Elevation | 875.3 (ULTIMATE) | 874.96 (ULTIMATE) | <input checked="" type="checkbox"/> | | | |
| Area at Normal Water Elevation (Ac) (Wet Ponds) | 24.200 | 25017 | <input checked="" type="checkbox"/> | | | |
| Area at Design High Water Elevation (Ac) | 42500 | 53825 | <input checked="" type="checkbox"/> | | 15 | TOTAL STATION |
| Active Storage Available (Ac-Ft)* | 359 | 3.96 | <input checked="" type="checkbox"/> | | | |
| Lowest Elevation at Top of Embankment (If Applicable) | 876.4 | 875.8 | <input checked="" type="checkbox"/> | | 1 | TOTAL STATION |
| Average Elevation at Top of Embankment (If Applicable) | 876.4 | 876.0 | <input checked="" type="checkbox"/> | | 5 | TOTAL STATION |
| Maximum Bottom Elevation | 865.0 | 865.4 | <input checked="" type="checkbox"/> | | 2 | TOTAL STATION |
| Average Pond Bottom Elevation | 865.0 | 865.4 | <input checked="" type="checkbox"/> | | 2 | TOTAL STATION |
| Pond Bottom Area (Ac) | 0.30 | 0.34 | <input checked="" type="checkbox"/> | | | |
| Maximum Pond Depth (BOTTOM TO TOP OF BANK) | 11.4 | 10.6 | <input checked="" type="checkbox"/> | | | |
| Average Pond Depth | 11.4 | 10.6 | <input checked="" type="checkbox"/> | | | |

*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

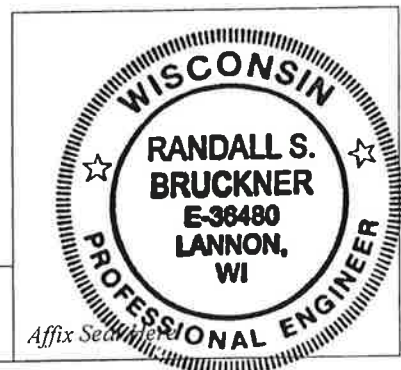
Dry Ponds Use H = Height of Section, $A1$ = pond bottom area, $A2$ = area at top section



Inspection Firm: CS ENGINEERING LLC
 Phone Number: 414-443-1312
 Address: 9205 W. CENTER ST.
SUITE 214
MILWAUKEE WI 53222

Inspector Name: RANDY BRUCKNER
 Inspection Date: 08-03-2011

Certifying Professional Name: RANDALL S BRUCKNER
 Phone Number: 414-443-1312



Date: 08-03-2011

Signature: Randy Bruckner



