

Rec 10/10/12

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: ½ NW ¼ Section 34 T8N R20E Name of Business/Subdivision: ProHealth Care
 Property Tax ID Number: MNFV 0134.991 Address of Property Formerly Medical Associates
W165 N5595 Creekwood Crossing
Menomonee Falls, WI

| | |
|----------|---|
| Dry Pond | |
| Wet Pond | X |
| Other | |

Location of South side of parking lot, west
of Creekwood Crossing
 Description: SWP 34N002 Pond
Irregular shaped wet pond
with 6-inch outlet pipe

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 | 6-inches | 6-inches | X | | Outlet pipe was clean and in good condition |
| Upstream Invert | 835.99-ft | 836.02-ft | X | | |
| Downstream Invert | 830.72-ft | 830.62-ft | X | | Bottom of Manhole was surveyed for Actual due to invert off to side in manhole |
| Length | 27-ft | 27-ft | X | | |
| Slope | 19.5% | 20% | X | | |
| Secondary Outlet Pipe (If Applicable) | | | | | |
| Opening Diameter | NA | NA | | | |
| Upstream Invert | NA | NA | | | |
| Downstream Invert | NA | NA | | | |
| Length | NA | NA | | | |
| Slope | NA | NA | | | |
| Riser (If Applicable) | | | | | |
| Opening Diameter | NA | NA | | | |
| Elevation | NA | NA | | | |
| Upper Discharge Control (If Applicable) | | | | | |
| Opening Diameter | NA | NA | | | |
| Elevation | NA | NA | | | |
| Lower Discharge Control (If Applicable) | | | | | |
| Opening Diameter | NA | NA | | | |
| Elevation | NA | NA | | | |
| Other (Description) | | | | | |
| Opening Type | NA | NA | | | |
| Elevation | NA | NA | | | |

| Compliance Verification | Design | Actual | Compliant | | Comments | |
|---|-----------|-----------|-----------|----|--|--|
| | | | Yes | No | | |
| Emergency Spillway | | | | | | |
| Elevation | 837.5-ft | 836.7-ft | | X | Elevation is lower than design; spillway functioning like a 2 nd outlet at 2-yr storm | |
| Length of Spillway | 18 | NA | X | | | |
| Secondary Spillway | | | | | | |
| Elevation | 838.21-ft | 838.20-ft | X | | Located on the south side of pond | |
| Length of Spillway | NA | NA | X | | Secondary spillway connects to subdivision swale | |
| Embankment | | | Present | | | |
| | | | Yes | No | | |
| Unauthorized plantings, trees, or woody vegetation | | | | X | All plantings around the pond appear to be by design | |
| Animal burrows or slope erosion | | | X | | Erosion on the northeast side of the pond from parking lot runoff. Repairs forthcoming in 2012/2013. | |
| Storage Properties | | | | | | |
| | Design | Actual | Complaint | | Points Surveyed | Equipment Used |
| | | | Yes | No | | |
| Normal Water Elevation <i>(Wet Ponds)</i> | 836-ft | 835.95-ft | X | | 1 - Point | Laser Level and Rod for all |
| Design High Water Elevation | 837.87-ft | ~838-ft | X | | NA | |
| Area at Normal Water Elevation (Ac) (Wet Ponds) | 0.169 | 0.165 | X | | | Design area based on as-built figure |
| Area at Design High Water Elevation (Ac) | 0.394 | 0.422 | X | | | Design area based on as-built figure; Actual area based on top of berm equal to ~838-ft on as-built figure |
| Active Storage Available (Ac-Ft)* | 0.372 | 0.425 | X | | | Design storage calc. based on as-built figure; Actual storage based on top of berm equal to ~838-ft on as-built figure |
| Lowest Elevation at Top of Embankment <i>(If Applicable)</i> | 838.21-ft | 838.20-ft | X | | 4 - Points | Design elevation based on as-built figure |
| Average Elevation at Top of Embankment <i>(If Applicable)</i> | NA | NA | | | | |
| Maximum Bottom Elevation | 830-ft | 832.22-ft | X | | 5 - Points | |
| Average Pond Bottom Elevation | 830-ft | 831.6-ft | X | | 5 - Points | |

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| Storage Properties (Continued) | Design | Actual | Complaint | | Points Surveyed | Equipment Used |
|-----------------------------------|--------|--------|-----------|----|--------------------|--|
| | | | Yes | No | | |
| Pond Bottom Area (Ac) | 0.012 | NA | | | | Design bottom area based on As-Built Figure; could not confirm actual since below water level. |
| Maximum Pond Depth | 8-ft | 5-ft | X | | 4 - Points | Normal water level not changed |
| Average Pond Depth | 6-ft | 4.5-ft | X | | 4 - Point | Normal water level not changed |

*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

| | |
|---|---|
| <p>Sketch Outlet</p> | <p>Place Photograph of Pond</p> <p>See attached</p> |
| <p>EL 836.02</p> <p>6" PVC</p> <p>EL 836.7</p> <p>EL 835.04</p> <p>Emergency Spillway</p> <p>Mantle</p> | <p>Place Photograph of Pond</p> <p>See attached</p> |

Inspection Firm: Natural Resource Tech. Inspector Name: Rick Guenther
 Phone Number: 262-523-9000 Inspection Date: 9/14/12 and 9/17/12
 Address: 23713 W. Paul Rd.
 Site D
 Pewaukee, WI 53072

Certifying
 Professional Name: Heather M. Simon
 Phone Number: 262-522-1207



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|-----------------------------|---|
| <p>Date: <u>10/8/12</u></p> | <p>Signature: <u>Heather M. Simon</u></p> |
|-----------------------------|---|

Affix Seal Here

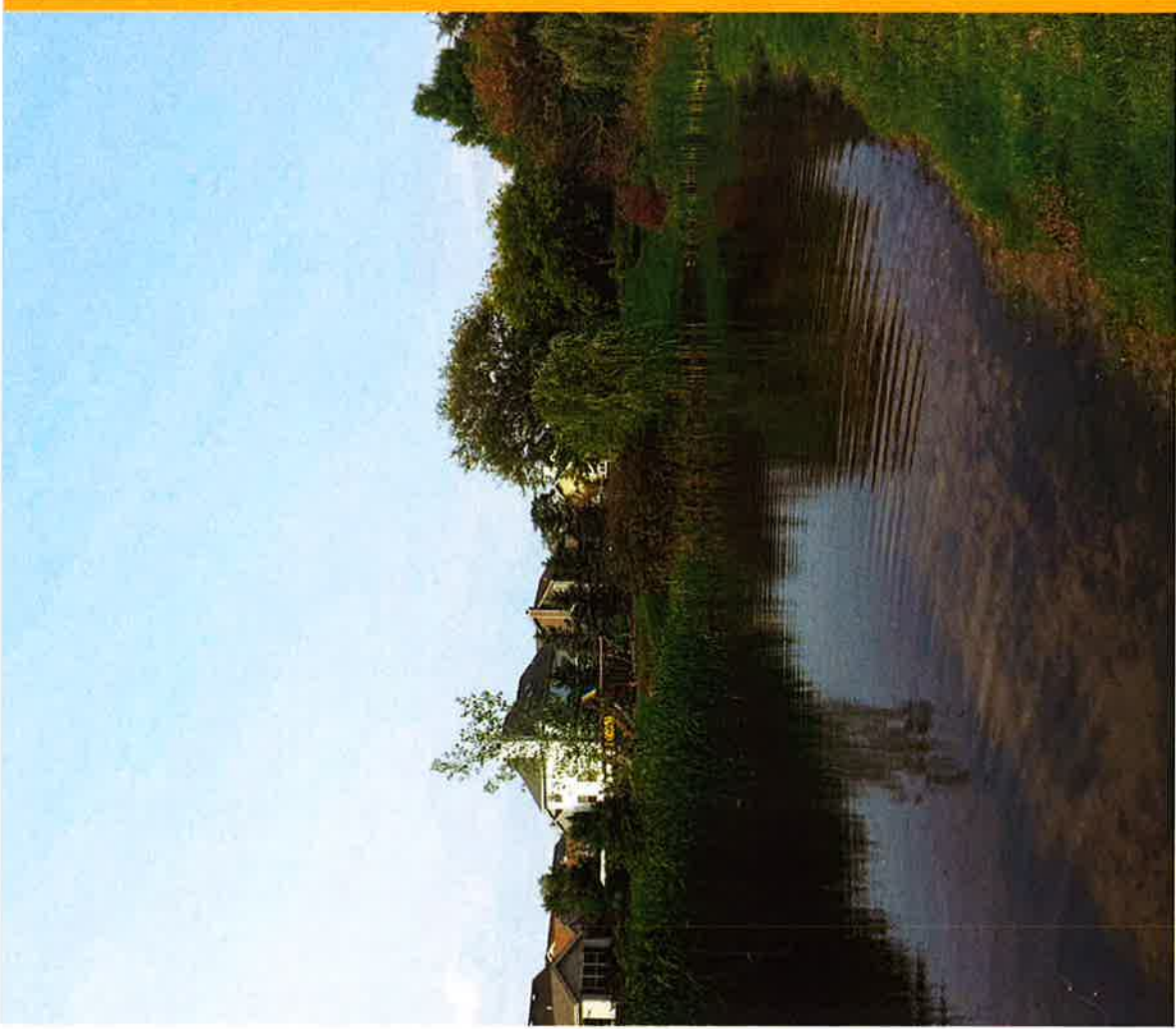


Photo Number: 1
Date of Photo: 9/14/2012

**Description: Storm Water
Pond (looking
west/southwest)**

Creator: RJG

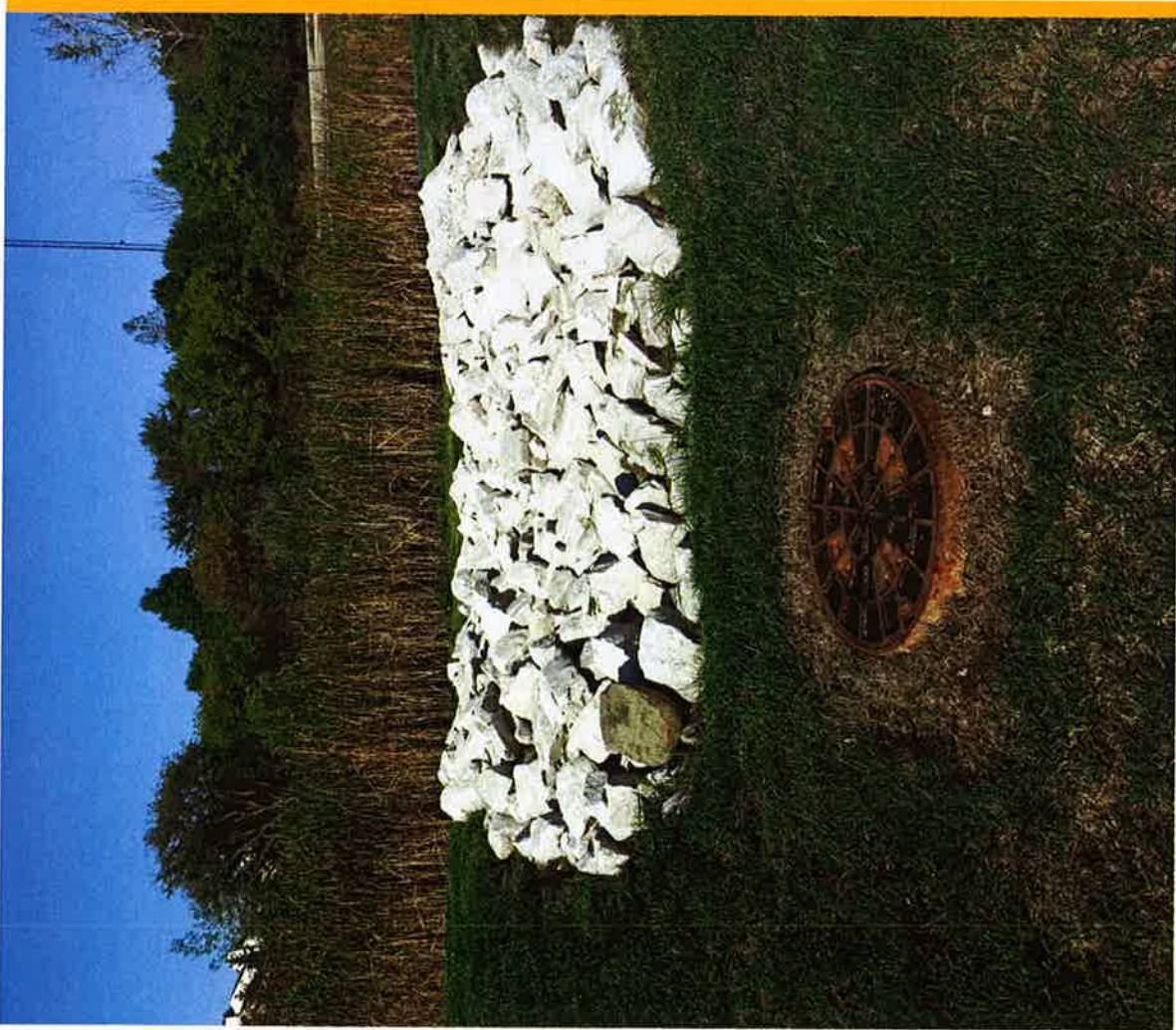


Photo Number: 2
Date of Photo: 9/14/2012

**Description: Emergency
Spillway (looking west).**

Creator: RJG