

**STORMWATER MANAGEMENT FACILITIES
 OPERATION AND INSPECTION REPORT**

Quarter Section 27 NE Name of Business/Subdivision KOHLER LANE RETENTION POND
 Property Tax ID Number 0105997003 Address of Property _____

Dry Pond		Description: <u>SWP27N002</u> <u>NO PLANS AVAILABLE</u>	Location Of Pond	ACROSS FROM
Wet Pond	X			N60W15979 KOHLER LN
Other				MENOMONEE FALLS, WI 53051

Year Pond Constructed 2001 Year of Last Certification 2015

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes	Compliant No	Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	N/A	15"	-	-	PVC IN GOOD CONDITION
Upstream Invert (ST010732)	N/A	808.63	-	-	2020 ELEVATIONS DIFFER BY 0.50' DUE TO NAD_83 MONUMENTATION USED.
Downstream Invert (ST000709)	N/A	808.12	-	-	
Length (feet)	N/A	89.6 FT	-	-	
Slope (%)	N/A	0.0056'/,	-	-	ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Secondary Outlet Pipe	N/A				Outlet Pipe Material
Opening Diameter (inches)	-	-	-	-	
Upstream Invert	-	-	-	-	
Downstream Invert	-	-	-	-	
Length (feet)	-	-	-	-	
Slope (%)	-	-	-	-	
Riser	N/A				Riser Material
Opening Diameter (inches)			-	-	
Elevation			-	-	
Upper Discharge Control	N/A				
Opening Diameter (inches)			-	-	
Elevation			-	-	

Compliance Verification	Design	Actual	Compliant Yes	No	Comments	
Lower Discharge Control	N/A					
Opening Diameter (inches)			-	-		
Elevation			-	-		
Other (Description)	N/A					
Opening Type and Size (inches)			-	-		
Elevation			-	-		
Emergency Spillway						
Elevation	N/A	819.00	-	-		
Length of spillway (feet)	N/A	72.0 FT	-	-		
Embankment	Present Yes	No	Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	-	N				
Animal burrows or slope erosion or hole	Y	-	4 FT DIA DEPRESSION N OF KOHLER LN S OF POND NEAR W END			
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1 (ST010731)	36" RCP		NW CORNER		GOOD CONDITION	
Outfall 2 (ST010733)	30" PVC		SW CORNER		GOOD CONDITION	
Outfall 3						
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes	No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	N/A	809.70	-	-		GPS EQUIPMENT: GEOMAX ZENITH35 & CARLSON SURVEYOR2 WITH SURV CE v5.04
Design High Water Elevation	814.00	819.00	-	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	N/A	0.240 AC	-	-		
Area at Design High Water Elevation (Ac)	0.9525 AC	2.103 AC	-	-		
Active Storage Available (Ac-Ft)*	3.210 ACFT	12.009 ACFT	-	-		
Lowest Elevation at Top of Embankment (If Applicable)	814.00	818.90	-	-		
Average Elevation at Top of Embankment (If Applicable)	819.5	819.32	-	-		
Maximum Bottom Elevation	810.00	810.00	-	-		
Average Pond Bottom Elevation	809.50	809.68	-	-		
Pond Bottom Area (Ac)	0.5658 AC	0.0240 AC	-	-		
Maximum Pond Depth	4.25 FT	-	-	-		DEPTH NOT EVALUATED
Average Pond Depth	4.0 FT	9.30 FT	-	-		
Average Permanent Pool Depth (Wet Ponds)	N/A	N/A	-	-		
					DEPTH OF WATER NOT SURVEYED IN 2020	

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

Wet Ponds Use $H = \text{Height of Section}$, $A1 = \text{area at normal water elevation}$, $A2 = \text{area at top section}$

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

Kohler Lane Retention Pond – SWP27N002

Overview



Storm Water Outlet ST010731



Kohler Lane Retention Pond – SWP27N002

Storm Water Outlet ST010733



Storm Water Inlet ST010732



Kohler Lane Retention Pond – SWP27N002

Pond Outlet ST000706

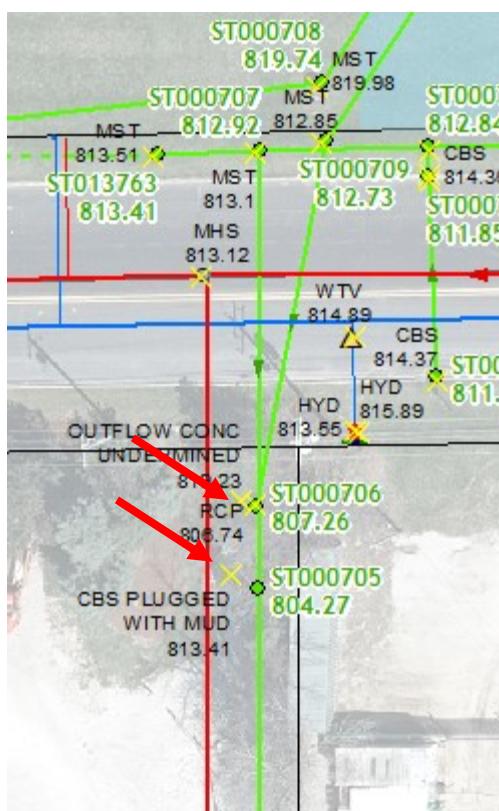


Kohler Lane Retention Pond – SWP27N002

Repairs Needed:

1) Storm Water Inlet ST000706

(S side of Kohler Ln between N60W16073 Kohler Ln & N60W15979 Kohler Ln)
Resolve void hazard.



2) Storm Water Inlet ST000705

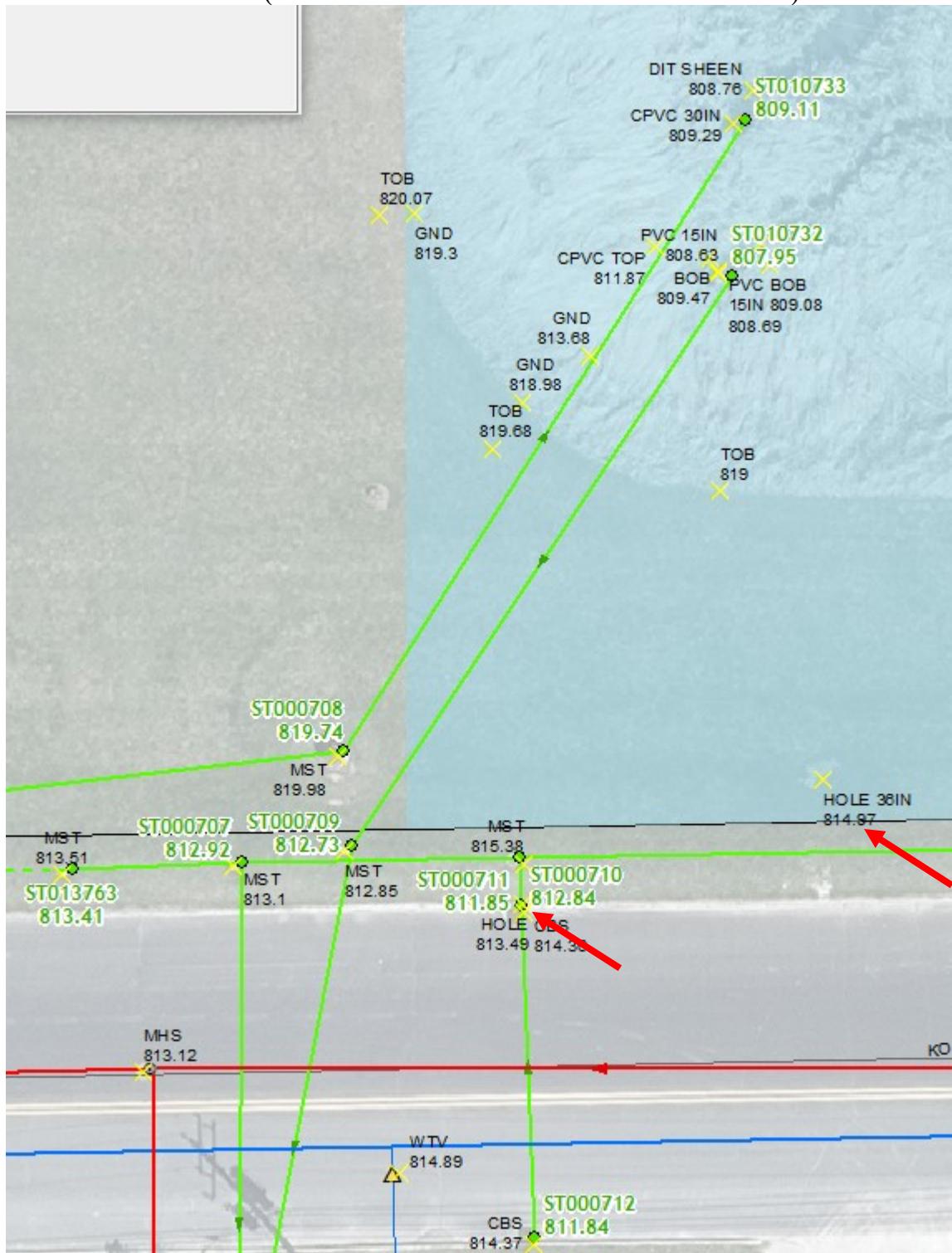
Covered by mud.

Clear mud,
confirm storm
sewer not
clogged also.
Work request
submitted
12/23/2020.



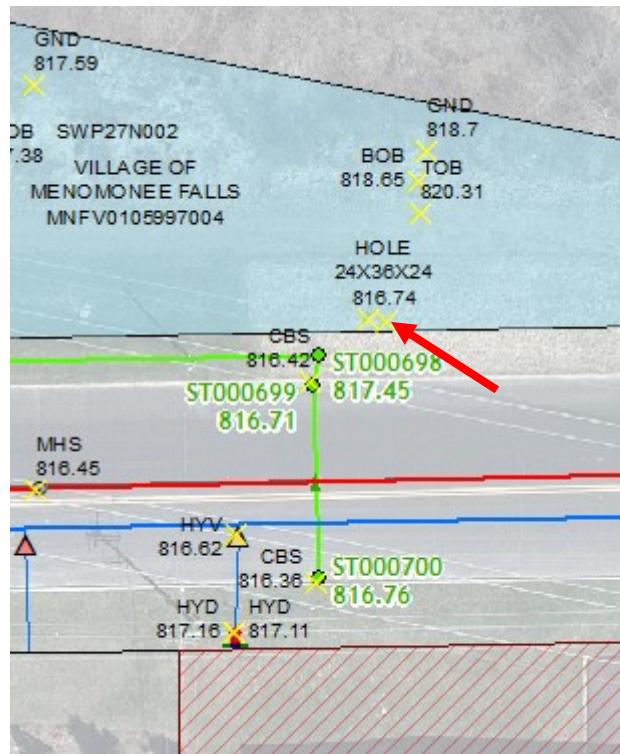
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- 3) Storm Water Catch Basin... Hole in ground behind structure ST000711.
- 4) Hole in ground S of SW corner of pond.
(Both across from N60W15979 Kohler Ln)



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5) 24x36x24 Hole across from N60W15725 Kohler Ln.



Sketch Outlet

Place Photograph of Pond

Place Photograph of Pond

Inspection Firm:	<u>VILLAGE OF MENOMONEE FALLS</u>	Inspector Name:	<u>CHRISTOPHER M GARIEPY</u>
Phone Number:	<u>262-532-4411</u>	Inspection Date:	<u>12/22/2020</u>
Address:	<u>W156N8480 PILGRIM RD</u>		
	<u>MENOMONEE FALLS, WI</u>		
	<u>53051</u>		

Certifying

Professional Name: Thomas M. Hoffman, P.E.
Phone Number: (262) 532-4415

Date:

1/28/2021

Signature:



Affix Seal Here

