



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 NW 1/4 Sec Name of Business/Subdivision Pilgrim Glen Condominium Plat
23-8-20
Property Tax ID Number 0090-996-066
thru
0090-996-125 Address of Property Macallan Court
Date 8/31/20

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP23N002

Location of Pond NE Quadrant of Property

Year Pond Constructed 2008

Year of Last Certification 2015

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	12"	12"	✓	Reinforced Concrete Pipe Accumulative silt at opening and bottom of outlet structure Recommend removal of silt
Upstream Invert	822.00	822.02	✓	
Downstream Invert	821.50	821.10	✓	
Length (feet)	50.0'	32.6'	✓	
Slope	0.010 'f	1.323 'f	✓	
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)				
Elevation				
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)				
Elevation				

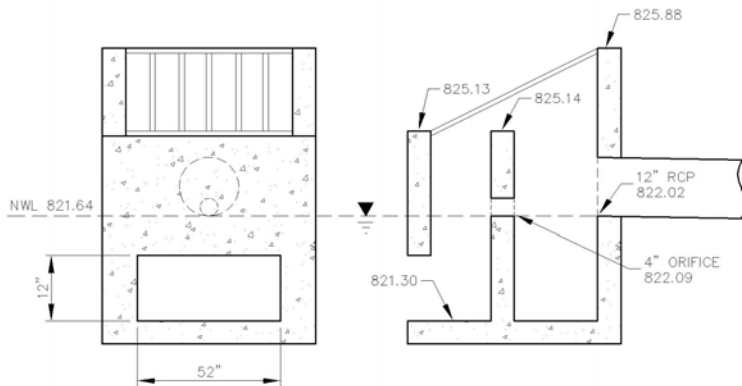
Compliance Verification	Design	Actual	Compliant Yes No	Comments	
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	_____	_____			
Elevation	_____	_____			
Other (Description)					
Opening Type and Size (inches)	4" DIA.	4" DIA			Vertical Orifice
Elevation	822.00	822.09	✓		
Emergency Spillway					
Elevation	826.50	826.10	✓		
Length of spillway (feet)	20.0'	22.0'	✓		
Embankment	Present Yes No		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	✓		Some vegetative growth around outlet structure and outfall. Recommend clearing for full function.		
Animal burrows or slope erosion		✓			
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1 (ES-6)	RCP 12"		West Portion of Pond		
Outfall 2 (ES-5)	RCP 12"		Southwest Portion of Pond		
Outfall 3 (ES-4)	RCP 15"		Southeast Portion of Pond		
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	822.00	821.64	✓		Trimble R6 GPS HWL Calculated by HydroCAD Lowest Bottom Elevation
Design High Water Elevation	824.91	825.30	✓		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.450	0.364	✓		
Area at Design High Water Elevation (Ac)	0.712	0.726	✓		
Active Storage Available (Ac-Ft)*	1.707	1.995	✓		
Lowest Elevation at Top of Embankment (If Applicable)	827.50	826.24	✓		
Average Elevation at Top of Embankment (If Applicable)	827.50	826.87	✓		
Maximum Bottom Elevation	818.00	817.26	✓		
Average Pond Bottom Elevation	818.00	817.64	✓		
Pond Bottom Area (Ac)	0.183	0.097	✓		
Maximum Pond Depth	4.0'	4.4	✓		
Average Pond Depth	4.0'	4.0'	✓		
Average Permanent Pool Depth (Wet Ponds)	4.0'	4.0'	✓		

*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



POND OUTLET DETAILS
N.T.S.

See Attached Photo Document

See Attached Photo Document

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

Inspection Firm: JSD Professional Services, Inc Inspector Name : Jay Averill
Phone Number: (262) 513-0666 Inspection Date: 8/20/2020
Address: W238 N1610 Busse Road
Suite 100
Waukesha, WI 53188

Certifying
Professional Name: Rizal Iskandarsjach P.L.S., P.E.
Phone Number: (262) 513-0666



Date:

8/31/20

Signature:

Rizal Iskandarsjach



Photo 1: South side of pond, looking northwesterly.



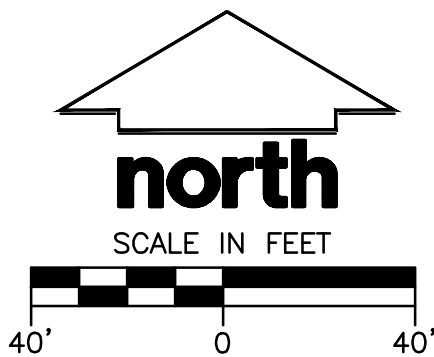
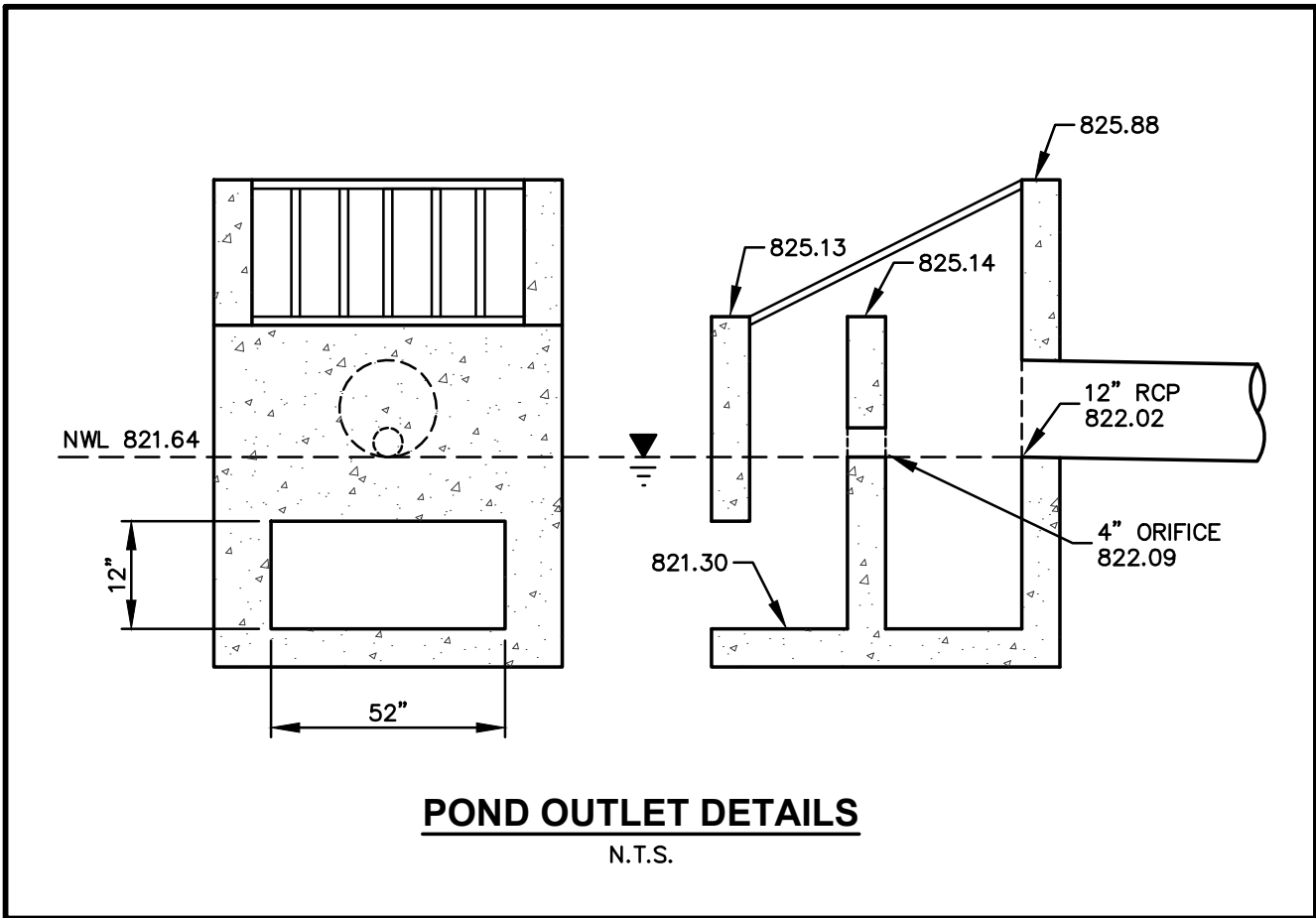
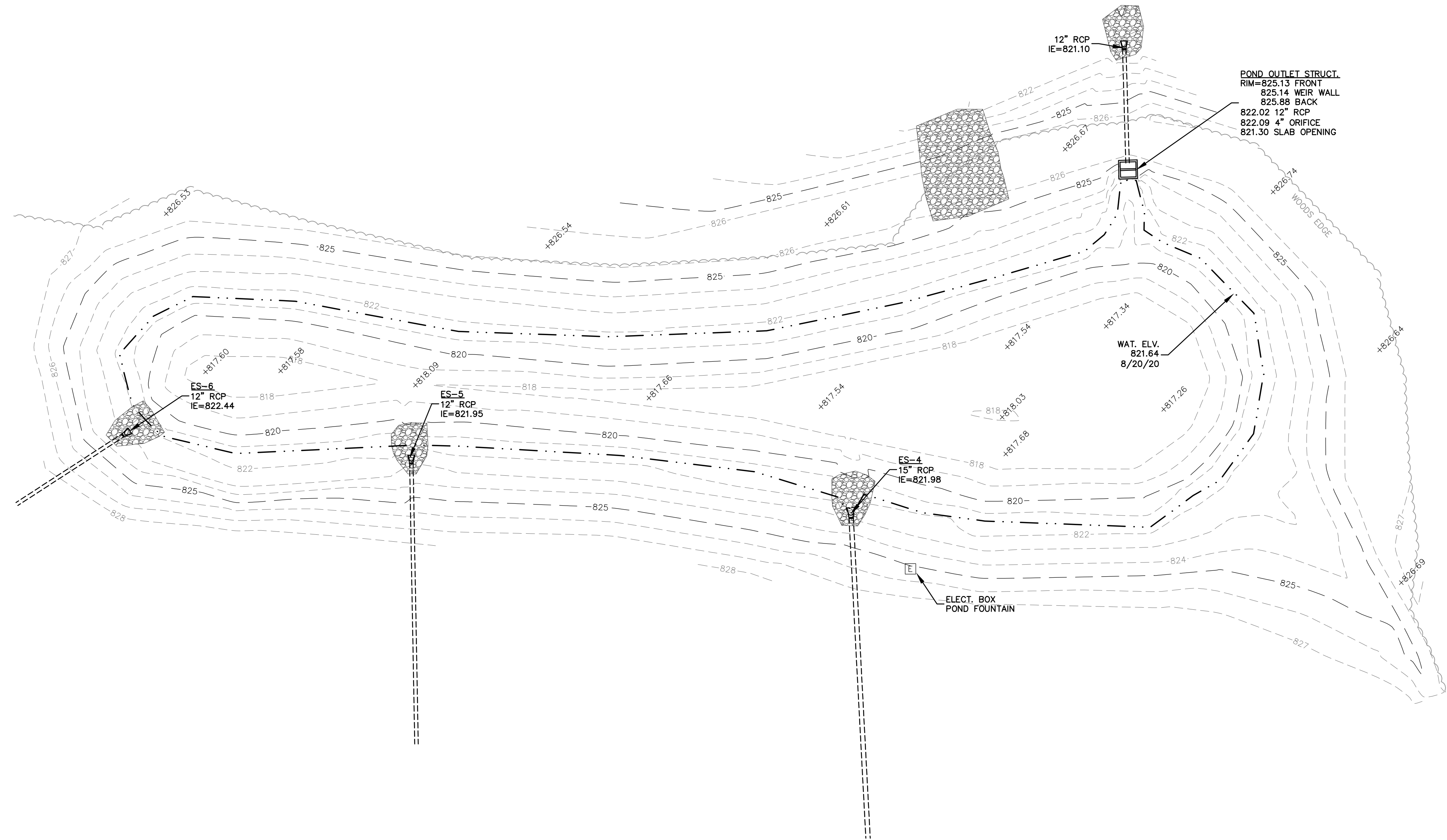
Photo 2: South side of pond, looking northeasterly.



Photo 3: Outlet structure front intake silted.



Photo 4: Outlet structure bottom silted.



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W238N1610 BUSSE ROAD SUITE 100
WAUKESHA, WISCONSIN 53188
262.513.0666 PHONE | 262.513.1232 FAX
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ATTN: PROFESSIONAL
PROPERTIES
CONSULTANTS

PROJECT:
**PILGRIM GLEN CONDO
POND INSPECTION**

PROJECT LOCATION:
VILLAGE OF MENOMONEE FALLS
WAUKESHA COUNTY, WI

JSD PROJECT NO.: 20-9885

SEAL/SIGNATURE:

ALTHOUGH EVERY EFFORT HAS BEEN MADE IN PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY, THE CONTRACTOR AND SUBCONTRACTORS MUST CHECK ALL DETAIL AND DIMENSIONS OF THEIR TRADE AND BE RESPONSIBLE FOR THE SAME.

SURVEYED BY: JFA	08-20-20
DRAWN BY: RWI	08-31-20
CHECKED BY: RKW	08-31-20

PLAN MODIFICATIONS:	DATE:

DIGGERS **HOTLINE**

Call 811 or (800) 242-8511
Milwaukee Area (262) 432-7910
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

SHEET TITLE:
POND SWP23N002

SHEET NUMBER:
P-2.0

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