



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-2-8-20 Name of Business/Subdivision RJ Schinner Co.
Property Tax ID Number MNFV0008994 Address of Property N89W14700 Patrita Dr.
Date _____ Menomonee Falls, WI 53051

Dry Pond		Pond ID: <u>SWP02S014</u>	Location of Pond <u>East of Building Addition and</u> <u>West of North/South Access Drive</u>
Wet Pond			
Other (bio-filter)	x		
Year Pond Constructed	<u>2022</u>	Year of Last Certification	<u>N.A.</u>

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	6	6	x	Solid PVC pipe in pond outlet structure
Upstream Invert	764.20	764.59	x	
Downstream Invert	763.70	764.05	x	
Length (feet)	53.5	52.3	x	
Slope (%)	0.9	1.0	x	
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)	6	6	x	Perforated PVC pipe in bio-filter from clean out to pond outlet structure
Upstream Invert	764.50	764.91	x	
Downstream Invert	764.20	764.59	x	
Length (feet)	100	108.1	x	
Slope (%)	0.3	0.5	x	
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)	18	18	x	PVC pond outlet structure with grate
Elevation	769.25	769.18	x	
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	6	6	x	Above ground orifice in outlet structure
Elevation	768.20	768.14	x	

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	N.A.					
Elevation						
Other (Description)						
Opening Type and Size (inches)	N.A.					
Elevation						
Emergency Spillway						
Elevation	769.75	769.70	x		Grass spillway w/ TRM at southeast corner of pond	
Length of spillway (feet)	20	20	x			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		x				
Animal burrows or slope erosion		x				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	N.A.					
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	N.A.					Trimble Robotic Total Station 100-YR storm per SWMP AutoCAD Civil 3D for computing volumes and areas. Above ground storage only. 0.115 Ac-Ft of above ground storage utilized during 100 YR. storm per SWMP
Design High Water Elevation	769.49					
Area at Normal Water Elevation (Ac) (Wet Ponds)	N.A.					
Area at Design High Water Elevation (Ac)	0.079	0.081	x			
Active Storage Available (Ac-Ft)*	0.160	0.133	x			
Lowest Elevation at Top of Embankment (If Applicable)	769.75	769.70	x			
Average Elevation at Top of Embankment (If Applicable)	N.A.					
Maximum Bottom Elevation	767.0	766.6	x			
Average Pond Bottom Elevation	767.0	767.0	x			
Pond Bottom Area (Ac)	0.183	0.175	x			
Maximum Pond Depth	2.75	3.10	x			
Average Pond Depth	2.75	2.70	x			
Average Permanent Pool Depth (Wet Ponds)	N.A.					

*To Determine Active Storage $V = (H/3)(A1 + A2 + (\sqrt{A1 \cdot A2}))$

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

See Attached

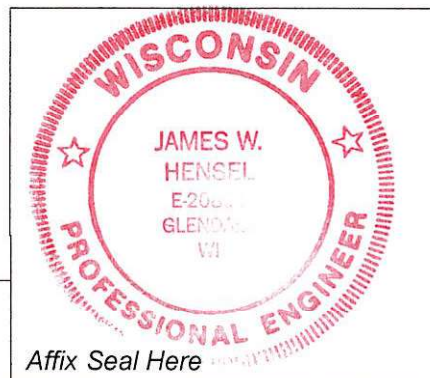


Attach As-built Survey to the Document for the first report submission

Inspection Firm: North Shore Engineering, Inc.
Phone Number: 262-241-9400
Address: 11433 N. Port Washington Rd.
Mequon, WI 53092

Inspector Name : Scott Zimmerman
Inspection Date: 12/28/2022 & 2/9/2023

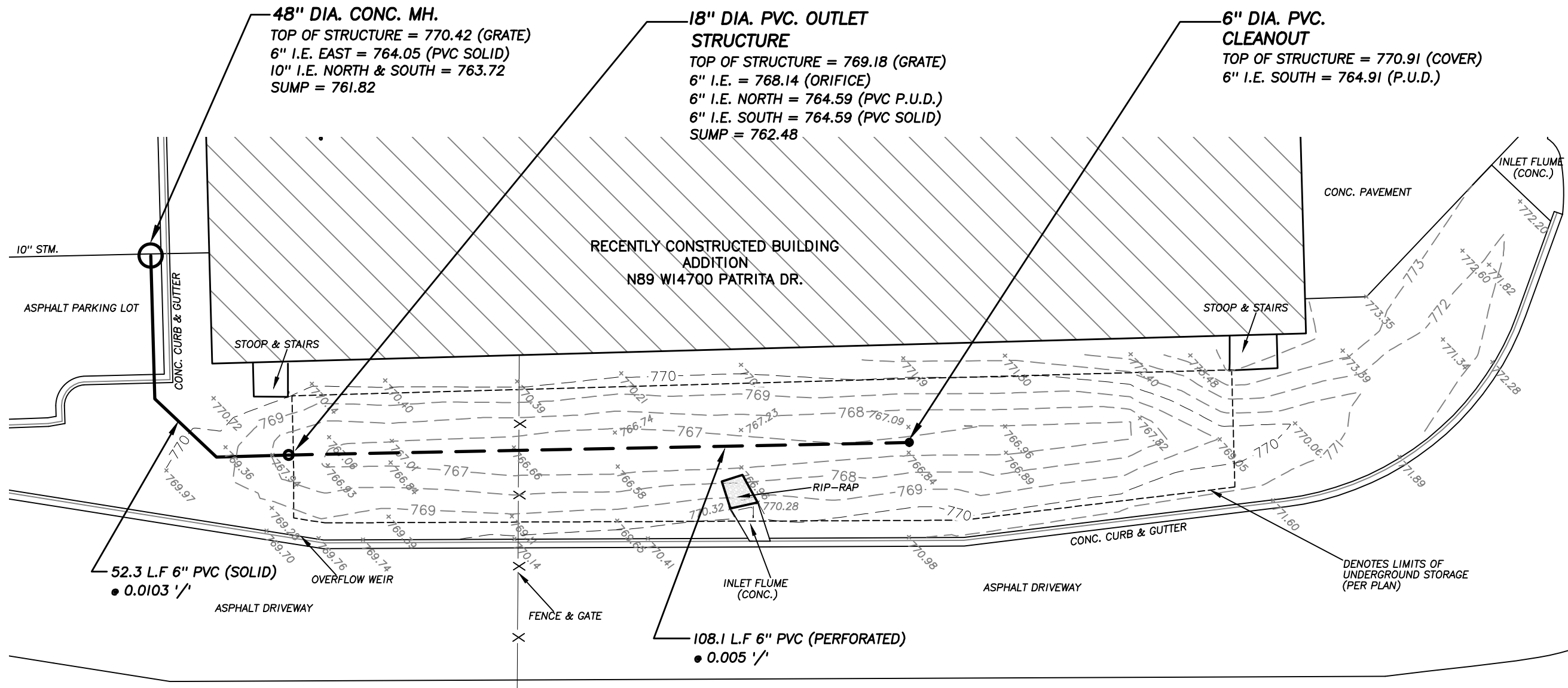
Certifying Professional James Hensel, P.E.
Name:
Phone Number: 262-241-9400



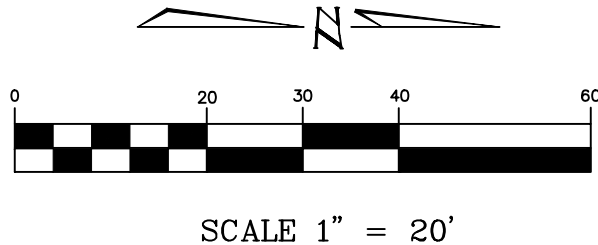
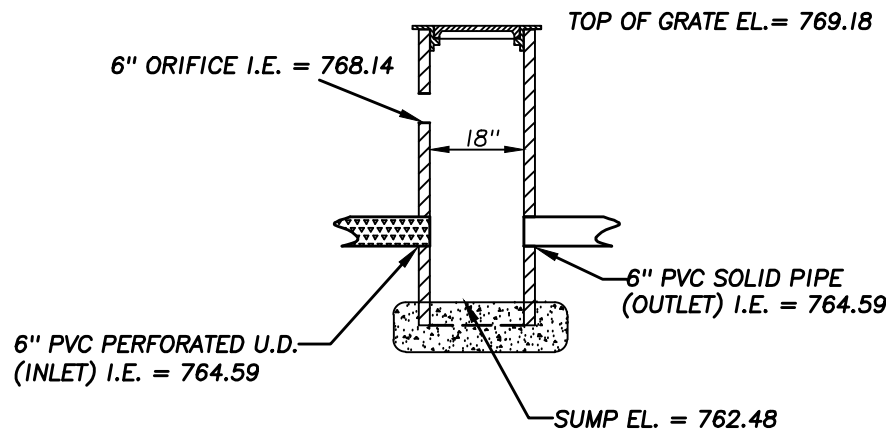
Date: FEB 21, 2023 Signature: James W. Hensel

EAST BIO-RETENTION BASIN #SWP025014

CONSTRUCTED FALL 2022
BY VJS CONSTRUCTION



OUTLET STRUCTURE DETAIL
(LOOKING EASTERLY) NOT TO SCALE
18" DIA. PVC - BASIN



NORTH SHORE ENGINEERING, INC.
Consulting Engineers & Land Surveyors
11433 N. Port Washington Rd., Mequon, Wisconsin, 53092
(262) 241-9400 • FAX: (262) 241-5337
www.NorthShoreEngineering.net

BIO-RETENTION BASIN AS-BUILT EXHIBIT	
RJ SCHINNER N89 W14700 PATRITA DR. MENOMONEE FALLS, WI	
BASIN IDENTIFICATION NO: SWP025014	
FIELD INSPECTOR: S.F.Z.	INSPECTION DATE: 12/28/2022
CERTIFIED BY: J.W.H.	CERTIFICATION DATE: 2/21/2023
DRAWN BY: J.M.B.	NSE PROJECT NO. 5107-21