



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 NW1/4 S. 30 Name of Business/Subdivision Silver Spring Estates Phase II
Property Tax ID Number MNFV01189 Address of Property Legacy Trail, Menomonee Falls, WI
Date Oct. 16, 2020 350' East of the intersection of
Masters Drive and Legacy Trail.

Dry Pond	
Wet Pond	X
Other	

Location of
Pond

Pond ID: SWP30N003

PCP 2015-06

Year Pond
Constructed

2015

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)	24"	24"	x	RCP pipe outlet discharges to Phase I pond via the storm sewer system in Legacy Trail. Observed no obstructions or concerns when inspection discharge piping.
Upstream Invert	854.50'	854.54'	x	
Downstream Invert	854.29	854.32	x	
Length (feet)	63.7'	64'	x	
Slope (%)	.33%	.33%	x	Discharge to Storm Sewer System, no changes since original certification and storm sewer as built.
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)	24"	24"		RCP
Upstream Invert	856.17'	856.09'	x	
Downstream Invert	855.0'	854.87'	x	
Length (feet)	166'	163'	x	
Slope (%)	0.70%	0.74%	x	Minor Changes since as built due to minor settlement or placement of survey shot. No concerns.
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)	48"	48"	x	48" DIA precast MH structure with trash rack. All ok no issues. (See pictures)
Elevation	859.42'	859.44'	x	
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	12.5"	12.5"	x	Clear cattails away from all orifices and keep free of trash and debris.
Elevation	855.90'	855.85'	x	

Compliance Verification	Design	Actual	Compliance		Comments
			Yes	No	
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	6"	6"	x		6" Orifice buried by rock, confirmed from inside of structure.
Elevation	854.50'	854.54'	x		
Other (Description)					
Opening Type and Size (inches)	48"	48"	x		
Elevation	860.30'	860.21'	x		
Emergency Spillway					
Elevation	NA	NA			No traditional Spillway was designed. Secondary riser overflow shall serve as the emergency conveyance with spillway below.
Length of spillway (feet)	NA	NA			The overland spillway crosses Legacy Trail and discharges to through a storm easement between lots 21&22. This overland path was clear and well maintained at the time of this inspection.
Embankment	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	X		Some willow type trees present along banks should be removed. Cattail vegetation growing is acceptable but should be removed at all inlet and outlet pipes to allow for proper flow into and out of the pond.		
Animal burrows or slope erosion		X			
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1	24" RCP		SW Corner		Remove Cattails from in front of outfall
Outfall 2	24" RCP		SW Corner on west side bump out		Remove Cattails from in front of outfall
Outfall 3	24" RCP		West side bump out		Remove Cattails from in front of outfall
Outfall 4	36" RCP		NW Corner on west side bump out		Remove Cattails from in front of outfall
Outfall 5	30" RCP		North side		Remove Cattails from in front of outfall
Outfall 6	36" RCP		SE corner		Remove Cattails from in front of outfall
Outfall 7	18" RCP		South side		Remove Cattails from in front of outfall

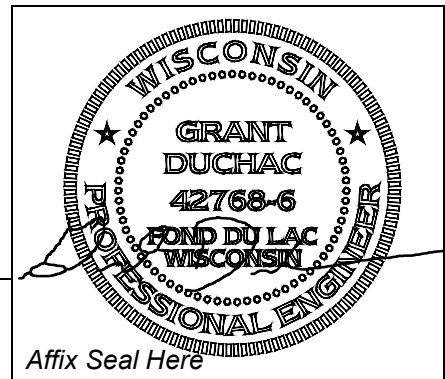
Place Photograph of Pond or Attach to Document

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

Inspection Firm: Excel Engineering Inc. Inspector Name : Max Franzen
Phone Number: 920-926-9800 Inspection Date: 10/16/20
Address: 100 Camelot Drive
Fond du lac, WI 54935

Certifying Professional Grant Duchac, P.E.

Name: _____
Phone Number: 920-926-9800



Date:
10/29/20

Signature: Grant Duchac

10-3-2012



Always a Better Plan

PROJECT:

DECEMBER 14, 2015

REVISIONS:

JOB NUMBER:

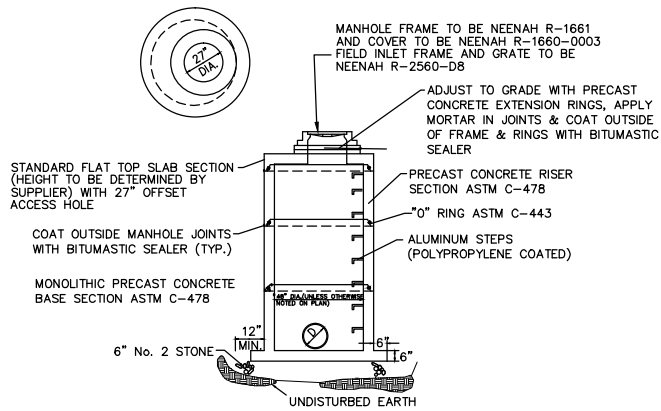
1407070

SHEET

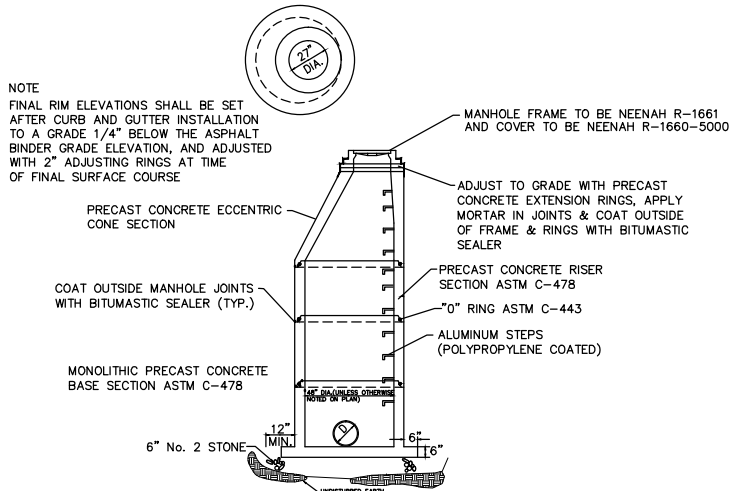
2014 © EXCEL ENGINEERING, INC.



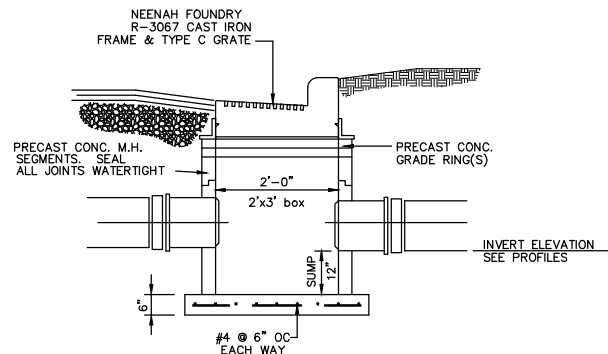
GRADING AS BUILT
POND



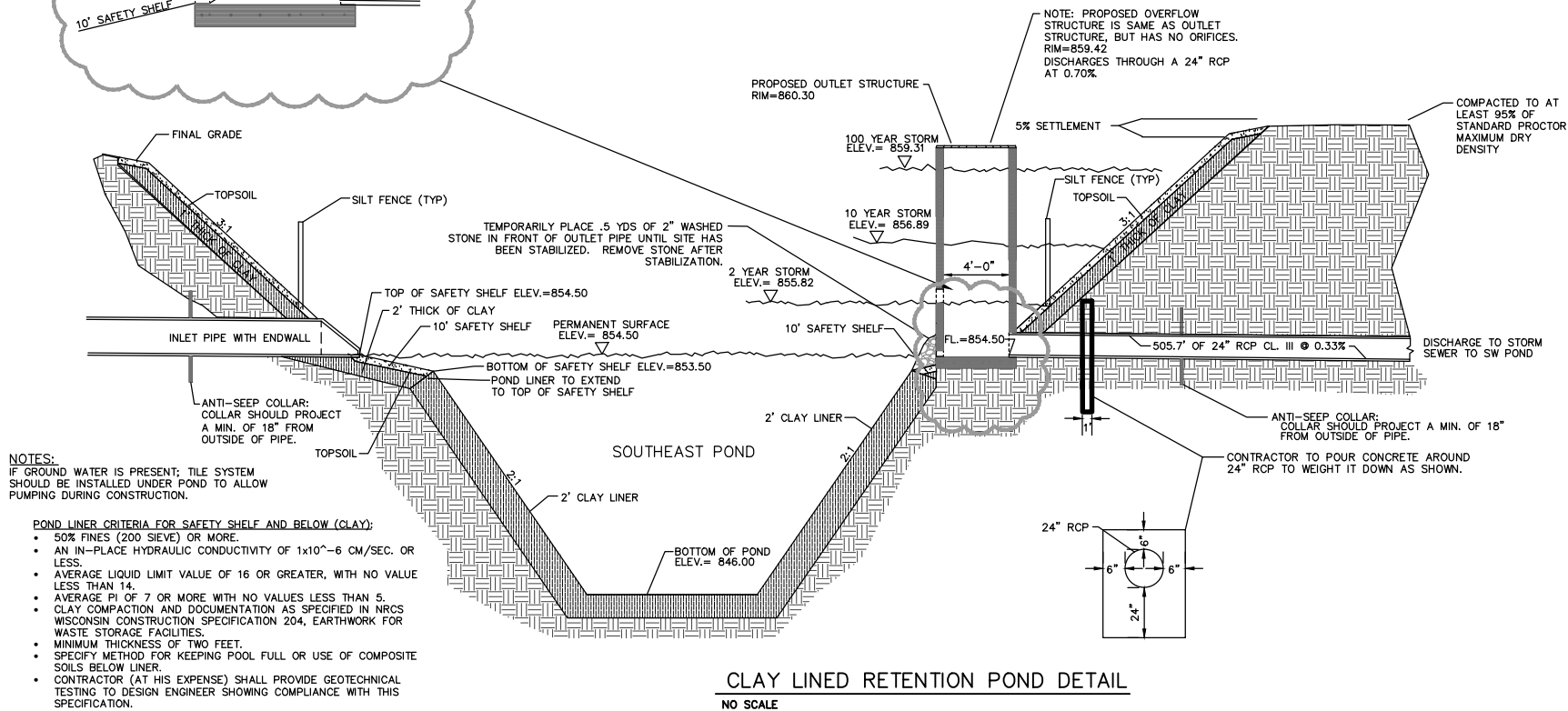
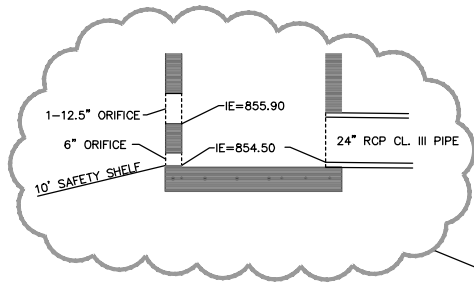
STORM MANHOLE/FIELD INLET DETAIL
NO SCALE



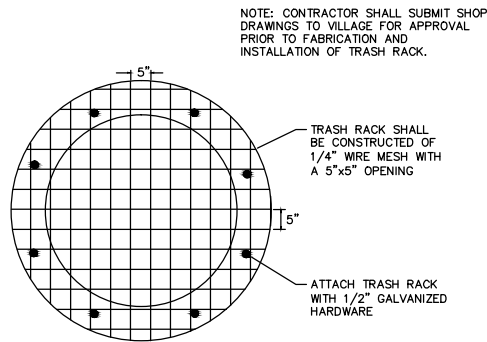
SANITARY MANHOLE DETAIL
NO SCALE



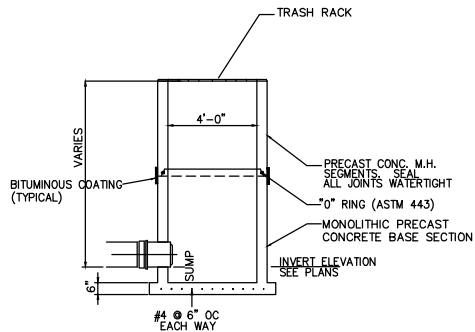
CURB INLET
NO SCALE



CLAY LINED RETENTION POND DETAIL
NO SCALE



GALVANIZED TRASH RACK DETAIL
NO SCALE



OUTLET/OVERFLOW STRUCTURE DETAIL
NO SCALE

- NOTES:**
IF GROUND WATER IS PRESENT: TILE SYSTEM SHOULD BE INSTALLED UNDER POND TO ALLOW PUMPING DURING CONSTRUCTION.
- POND LINER CRITERIA FOR SAFETY SHELF AND BELOW (CLAY):**
- 50% FINES (200 SIEVE) OR MORE.
 - AN IN-PLACE HYDRAULIC CONDUCTIVITY OF 1×10^{-6} CM/SEC. OR LESS.
 - AVERAGE LIQUID LIMIT VALUE OF 16 OR GREATER, WITH NO VALUE LESS THAN 14.
 - AVERAGE PI OF 7 OR MORE WITH NO VALUES LESS THAN 5.
 - CLAY COMPACTION AND DOCUMENTATION AS SPECIFIED IN NRCS WISCONSIN CONSTRUCTION SPECIFICATION 204, EARTHWORK FOR WASTE STORAGE FACILITIES.
 - MINIMUM THICKNESS OF TWO FEET.
 - SPECIFY METHOD FOR KEEPING POOL FULL OR USE OF COMPOSITE SOILS BELOW LINER.
 - CONTRACTOR (AT HIS EXPENSE) SHALL PROVIDE GEOTECHNICAL TESTING TO DESIGN ENGINEER SHOWING COMPLIANCE WITH THIS SPECIFICATION.

OWNER:
VERIDIAN HOMES
6801 SOUTH TOWNE DR
MADISON, WI 53713

PROJECT:
SILVER SPRING ESTATES
PHASE II
TOWN LINE ROAD
MENOMONEE FALLS, WI

SHEET ISSUE:

JUNE 1, 2015

SEE TITLE SHEET TO CONFIRM
THAT THIS SHEET HAS BEEN
ISSUED FOR CONSTRUCTION

REVISIONS:

JOB NUMBER:

1407070

SHEET

DETAILS

D1

Photos Phase II Pond Cert 9-23-20

Prepared by : Max FRANZEN

Oct 19, 2020



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