

STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section	23 SW	Name of Business/Subdivision	LITTLE LEAGUE FIELDS
Property Tax ID Number	0091999	Address of Property	N64W15020 MILL RD
			MENOMONEE FALLS, WI 53051

Dry Pond	X	Location Of Pond	LARGER PROPERTY N OF MILLRD
Wet Pond			N OF PAPOOSE DR
Other			N OF 2 N MOST BALL DIAMONDS

Description: SWP23S001

Year Pond Constructed 2006 Year of Last Certification 2011

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	4"	12"	-	X	MISSING: CAP W/4" ORIFACE RCP, GOOD CONDITION POOR GPS SIGNAL, UNRELIABLE DATA. ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Upstream Invert (ST0021148)	811.00	811.30	X	-	
Downstream Invert (ST021149)	810.30	?	-	-	
Length (feet)	140.0	?	-	-	
Slope (%)	0.0050	?	-	-	
Secondary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)			-	-	
Upstream Invert			-	-	
Downstream Invert			-	-	
Length (feet)			-	-	
Slope (%)			-	-	
Riser	N/A				Riser Material
Opening Diameter (inches)	24"X36"	24"X36"	X	-	REINFORCED CONCRETE, GOOD CONDITION
Elevation	818.30	818.69	X	-	
Upper Discharge Control	N/A				
Opening Diameter (inches)			-	-	
Elevation			-	-	

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control						
Opening Diameter (inches)			-	-		
Elevation			-	-		
Other (Description)	N/A					
Opening Type and Size (inches)			-	-		
Elevation			-	-		
Emergency Spillway						
Elevation	818.80	817.55	-	X	ELEVATION TOO LOW.	
Length of spillway (feet)	16.0	23.6	-	X	E CORNER OF POND, N OF E BALLFIELD FENCE	
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X	-	TALL GRASSES, WOODY VEGETATION PRESENT			
Animal burrows or slope erosion or hole	-	X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1 (ST021145)	CORGT PVC 12"		SW POND		GOOD CONDITION	
Outfall 2	-					
Outfall 3	-					
Outfall 4	-					
Outfall 5	-					
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes No	Not Applicable	Equipment Used	
Normal Water Elevation (Wet Ponds)			-	-	X	GPS EQUIPMENT: GEOMAX ZENITH35 & CARLSON SURVEYOR2 WITH SURV CE v5.04
Design High Water Elevation	818.80	818.69	X	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)			-	-	X	
Area at Design High Water Elevation (Ac)	0.678 AC	0.505 AC	-	X		
Active Storage Available (Ac-Ft)*	1.207 ACFT	0.758 ACFT	-	X		
Lowest Elevation at Top of Embankment (If Applicable)	818.80	817.55	-	X		
Average Elevation at Top of Embankment (If Applicable)	820.00	820.00	X	-		
Maximum Bottom Elevation	816.00	815.71	X	-		
Average Pond Bottom Elevation	816.00	815.70	X	-		
Pond Bottom Area (Ac)	0.190 AC	0.166 AC	X	-		
Maximum Pond Depth	4.5	4.3	X	-		
Average Pond Depth	3.0	1.84	-	X		
Average Permanent Pool Depth (Wet Ponds)	N/A		-	-	X	

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

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

Little League Fields – SWP23S001

Overview



Spillway ST021150 & Storm Sewer Overflow ST021148



Little League Fields – SWP23S001

Storm Sewer Outlet ST021145



Little League Fields – SWP23S001

Repairs Needed (11/03/2022)

Clear brush from pond and embankments.

Sketch Outlet

Place Photograph of Pond

Place Photograph of Pond

Inspection Firm: VILLAGE OF
MENOMONEE FALLS
Phone Number: 262-532-4411
Address: W156N8480 PILGRIM RD
MENOMONEE FALLS, WI
53051

Inspector Name: CHRISTOPHER M GARIEPY

Inspection Date: November 3rd, 2022

Certifying

Professional Name: THOMAS M. HOFFMAN, P.E.

Phone Number: 262-532-4415



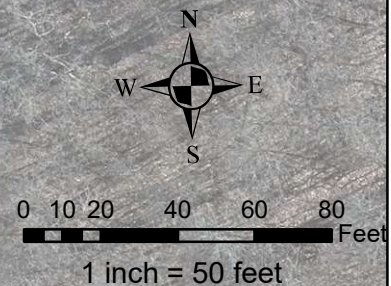
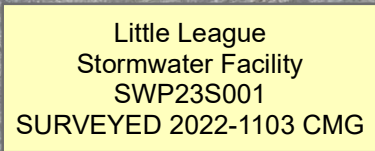
Date:

2/9/2023

Signature:

[Handwritten Signature]

Affix Seal Here



LOW
H:

$$A_1 = 7,234.75 \text{ SF} = 0.166 \text{ AC}$$

$$A_2 = 17,170.05 \text{ SF} = 0.394 \text{ AC}$$

$$H = H_1 - H_2 = 817.55 - 815.75 = 1.80 \text{ FT.}$$

2022
SWP235001

SWP235001 Little League Fields

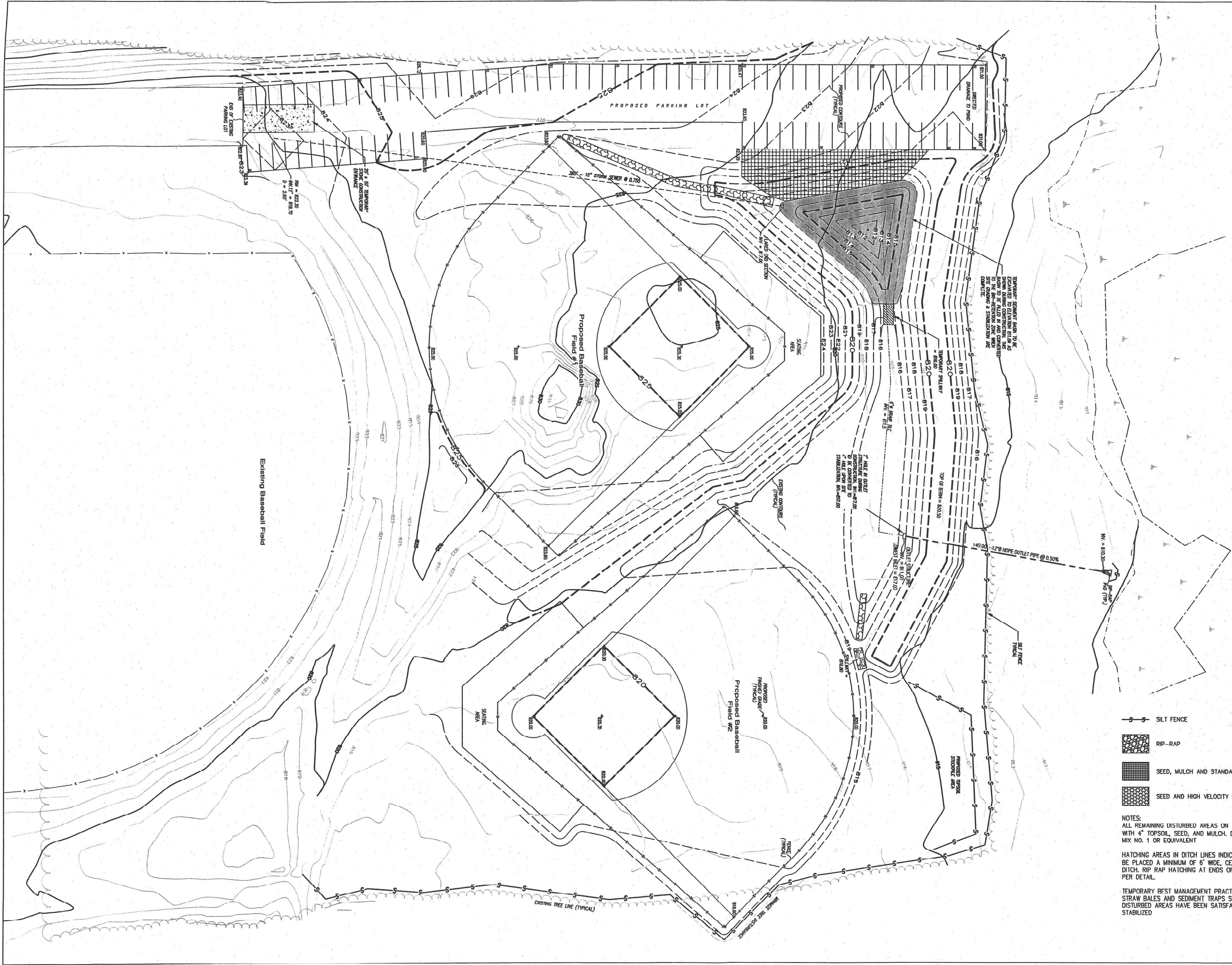
$$V = \left(\frac{\pi}{3}\right)(A_1 + A_2 + \sqrt{A_1 + A_2})$$

$$V = \left(\frac{1.80 \text{ FT}}{3}\right)(0.166 \text{ AC} + 0.394 \text{ AC} + \sqrt{0.166 \text{ AC} + 0.394 \text{ AC}})$$

$$V = (0.6 \text{ FT})(0.56 \text{ AC} + \{0.748 \text{ AC}\})$$

$$V = (0.6 \text{ FT})(1.308 \text{ AC})$$

$$V = 0.785 \text{ ACFT} \quad \checkmark \text{ CAG} \quad 11/11/22$$



NOTE:
—STORM POND REMAIN TO BE EXCAVATED AS A SEDIMENT BASIN SYSTEM AFTER SITE GRADING IS COMPLETE AND SITE IS STABLE. SEE REFERENCE SHEET DE FOR DETAILS.

- SILT FENCE
- RIp-RAP
- SEED, MULCH AND STANDARD BIODEGRADABLE MATTING
- SEED AND HIGH VELOCITY EROSION MATTING

NOTES:
ALL REMAINING DISTURBED AREAS ON THE SITE SHALL BE RESTORED WITH 4" TOPSOIL, SEED, AND MULCH. D.O.T. SEED MIX NO. 1 OR EQUIVALENT

HATCHING AREAS IN DITCH LINES INDICATE EROSION MATTING SHALL BE PLACED A MINIMUM OF 6" WIDE, CENTERED IN THE BASE OF THE DITCH. RIP RAP HATCHING AT ENDS OF CULVERTS INDICATES RIP RAP PER DETAIL.

TEMPORARY BEST MANAGEMENT PRACTICES SUCH AS SILT FENCE, STRAW BALES AND SEDIMENT TRAPS SHALL BE REMOVED WHEN DISTURBED AREAS HAVE BEEN SATISFACTORILY RESTORED AND STABILIZED.

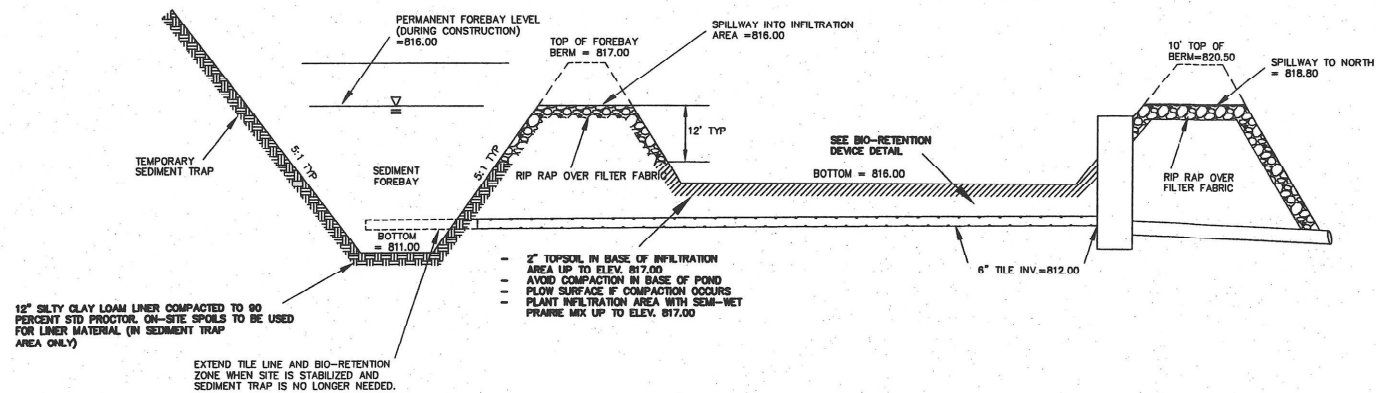
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EROSION CONTROL & STABILIZATION PLAN

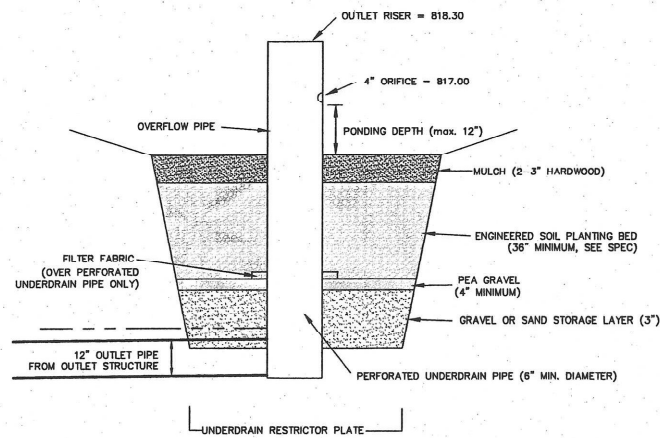
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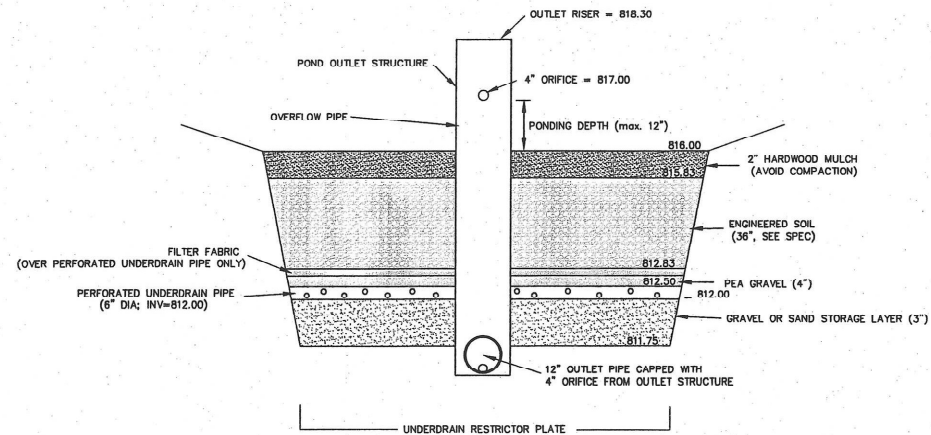
DATE: 01-10-06
DESIGNED BY: 514-1050
PROJECT NUMBER: 19614
DRAWN BY: D.P.V.E.



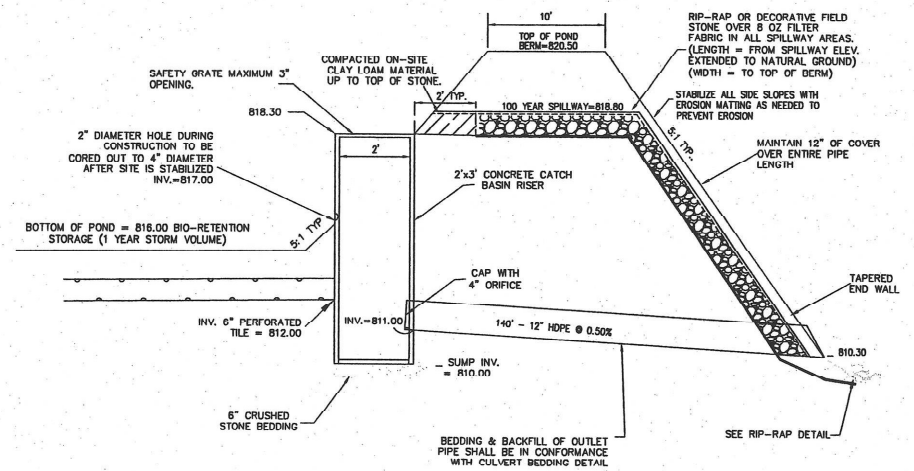
NORTH STORM POND DETAIL



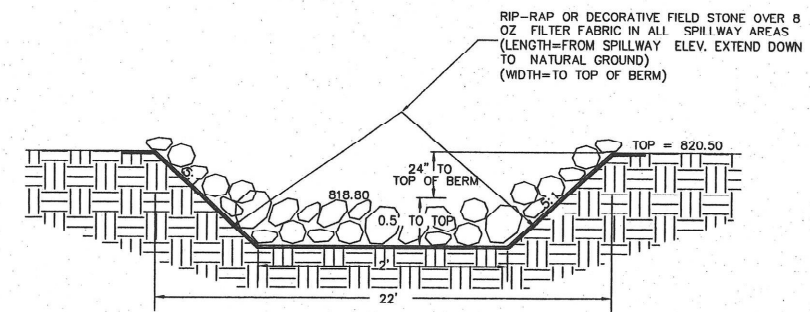
BIORETENTION DEVICE
(CROSS-SECTION ACROSS WIDTH OF DEVICE)



BIORETENTION DEVICE
(CROSS-SECTION ACROSS LENGTH OF DEVICE)



SOUTH POND OUTLET
STRUCTURE DETAIL



POND SPILLWAY DETAIL

TABLE 1. ENGINEERED SOIL MIX	
ENGINEERED SOIL COMPONENT	PERCENTAGE COMPOSITION (BY VOLUME)
SILICA SAND	40% (.02 TO .04 INCH DIA. WASHED)
TOPSOIL	20% (USE ON-SITE SPOILS)
COMPOST	40% (PER DNR SPEC S100)

NOTE: THIS MIXTURE MEETS THE EQUIVALENCY REQUIREMENTS OF S. NR 151.12(5)(C)5.1., WIS. ADM. CODE.