

**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	Description: SWP23S002	Location Of Pond	LARGER PROPERTY N OF MILLRD
Wet Pond				N OF PAPOOSE DR
Other				SE OF 2 N MOST BALL DIAMONDS

Year Pond Constructed 2006 Year of Last Certification 2011

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes	Compliant No	Comments (Condition of Structure)
<i>Primary Outlet Pipe</i>					
Opening Diameter (inches)	12" RCP	15" RCP	X	-	RCP, GOOD CONDITION
Upstream Invert (ST021151)	815.40	816.54	X	-	OVERHEAD CANOPY MAY HAVE COMPROMISED VERTICAL DATA
Downstream Invert (ST021152)	814.98	814.17	X	-	OVERHEAD CANOPY MAY HAVE COMPROMISED VERTICAL DATA
Length (feet)	72.0	76.2	X	-	
Slope (%)	0.0050	0.0311	X	-	ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
<i>Secondary Outlet Pipe</i>					
Opening Diameter (inches)			-	-	
Upstream Invert			-	-	
Downstream Invert			-	-	
Length (feet)			-	-	
Slope (%)			-	-	
<i>Riser</i>	N/A				Riser Material
Opening Diameter (inches)			-	-	
Elevation			-	-	
<i>Upper Discharge Control</i>	N/A				
Opening Diameter (inches)			-	-	
Elevation			-	-	

Compliance Verification	Design	Actual	Compliant Yes	No	Comments
Lower Discharge Control					
Opening Diameter (inches)			-	-	
Elevation			-	-	
Other (Description)					
Opening Type and Size (inches)			-	-	
Elevation			-	-	
Emergency Spillway					
Elevation	819.00	819.17	X	-	
Length of spillway (feet)	N/A	32.0	-	-	NE CORNER OF POND, N OF ST021151 ?
Embankment	Present Yes		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	X	-	WOODY VEGETATION PRESENT		
Animal burrows or slope erosion or hole	-	X			
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1	-				
Outfall 2	-				
Outfall 3	-				
Outfall 4	-				
Outfall 5	-				
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)			-	-	GPS EQUIPMENT: GEOMAX ZENITH35 & CARLSON SURVEYOR2 WITH SURV CE v5.04
Design High Water Elevation	819.00	819.17	-	-	
Area at Normal Water Elevation (Ac) (Wet Ponds)			-	-	
Area at Design High Water Elevation (Ac)	N/A	0.261 AC	-	-	
Active Storage Available (Ac-Ft)*	0.520 ACFT	0.577 ACFT	-	-	
Lowest Elevation at Top of Embankment (If Applicable)	819.00	819.17	X	-	
Average Elevation at Top of Embankment (If Applicable)	819.00	819.50	-	-	
Maximum Bottom Elevation	815.40	816.54	-	X	
Average Pond Bottom Elevation	817.50	817.70	X	-	
Pond Bottom Area (Ac)	N/A	0.015 AC	X	-	
Maximum Pond Depth	3.60	2.63	X	-	
Average Pond Depth	1.5	1.47	X	-	
Average Permanent Pool Depth (Wet Ponds)			-	-	

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

Little League Fields – SWP23S002

Overview



Storm Sewer Overflow/Inlet ST021151



Spillway ST021153



Little League Fields – SWP23S002

Storm Sewer Outlet ST021152



Little League Fields – SWP23S002

Repairs Needed (11/3/2022)

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 2ND, 2022

Certifying
Professional Name: THOMAS M. HOFFMAN, P.E.
Phone Number: 262-532-4415

Date:
2/9/2023

Signature:



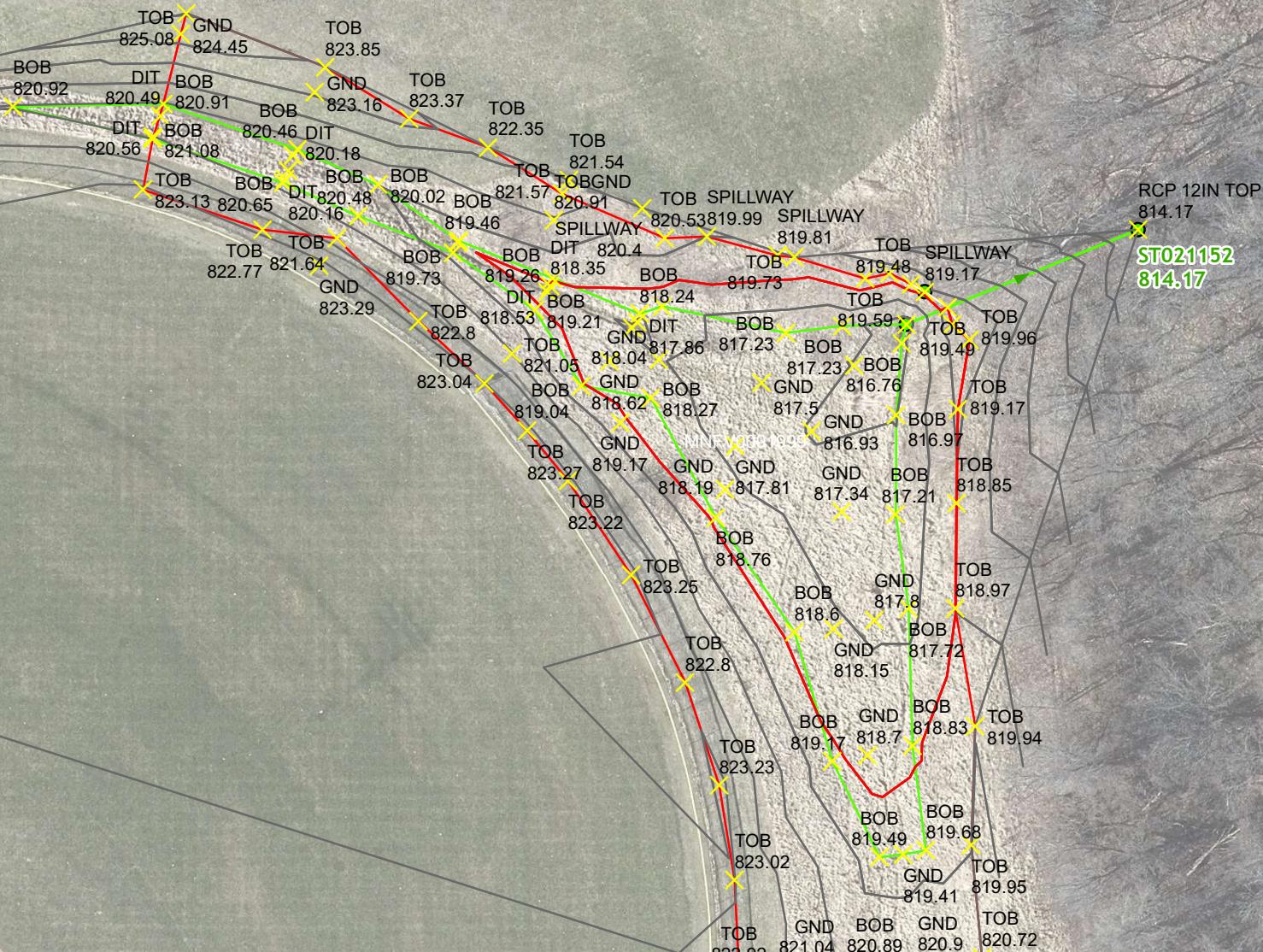
Affix Seal Here



Little League
Stormwater Facility
SWP23S002
SURVEYED 2022-1102 CMG



0 510 20 30 40
 Feet
1 inch = 50 feet



$$H = H_1 - H_2 = 819.17 - 817.00 = \underline{2.17 \text{ FT}}$$

$$A_1 = 661.18 \text{ FT}^2 = 0.0154 \text{ AC}$$

$$A_2 = 11,386.08 \text{ FT}^2 = 0.2614 \text{ AC}$$

2022
SWP235002

SWP235002

Little League Field

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

$$V = \left(\frac{2.17}{3}\right) \left(0.0154 \text{ AC} + 0.2614 \text{ AC} + \sqrt{0.0154 \text{ AC} + 0.2614 \text{ AC}}\right)$$

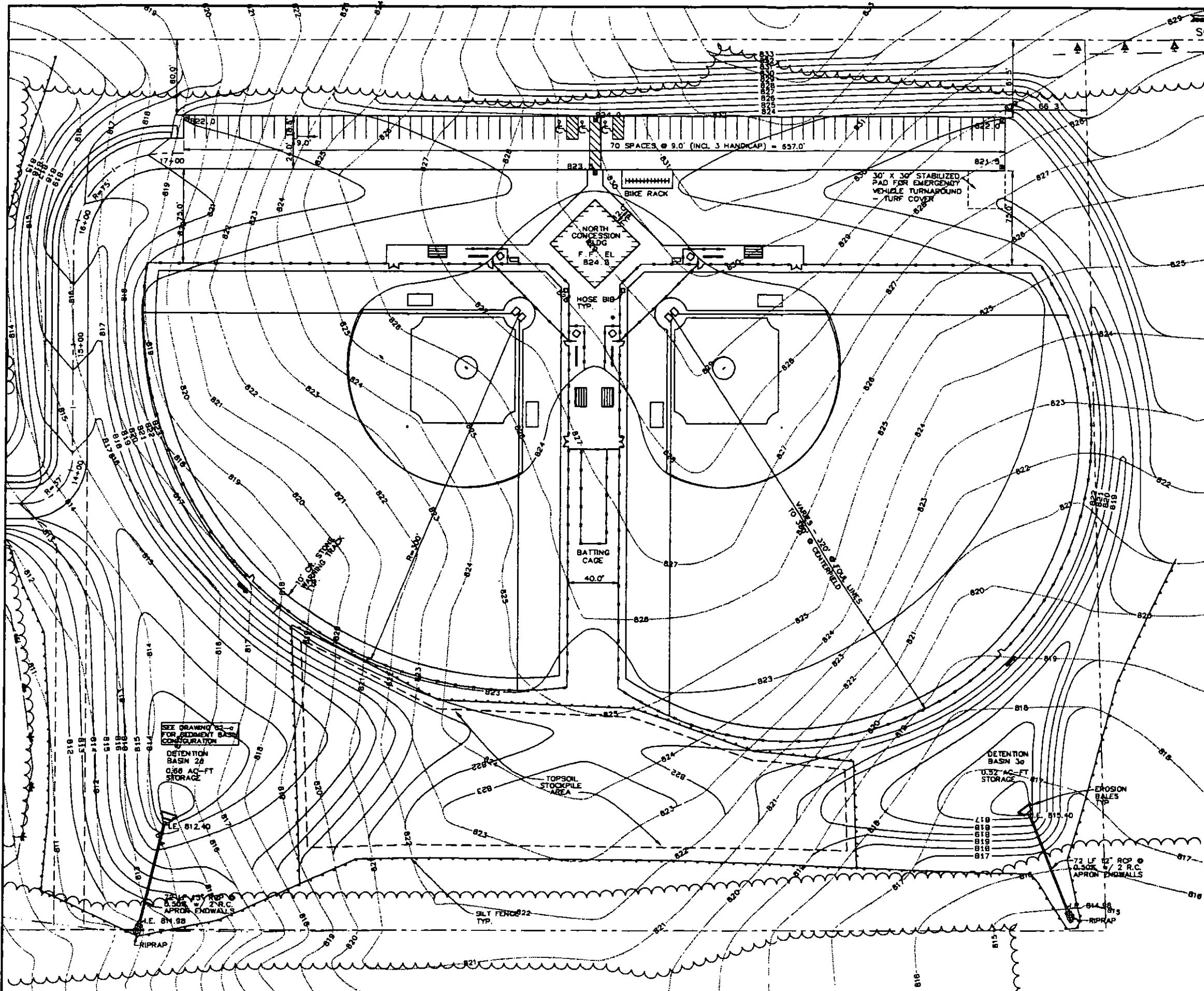
$$V = (0.72 \text{ FT}) (0.276 \text{ AC} + \sqrt{0.276 \text{ AC}})$$

$$V = (0.72 \text{ FT}) (0.276 \text{ AC} + 0.525 \text{ AC})$$

$$V = (0.72 \text{ FT}) (0.801 \text{ AC})$$

$$V = 0.577 \text{ AC FT}$$

11/12/22
ERG



DESIGNED BY MCS
DRAWN BY MCS
CHECKED BY RCJ
APPROVED BY

VERIFY SCALES
LENGTH OF BAR IS 1"
ON ORIGINAL DRAWING
IF BAR IS NOT 1" ON
THIS DRAWING, ADJUST
SCALE(S) ACCORDINGLY

1
2
10-16-95

9-8-95
PER VILLAGE REVIEW COMMENTS
PER DNR REVIEW COMMENTS

MCS
MCS

REVISION

BY

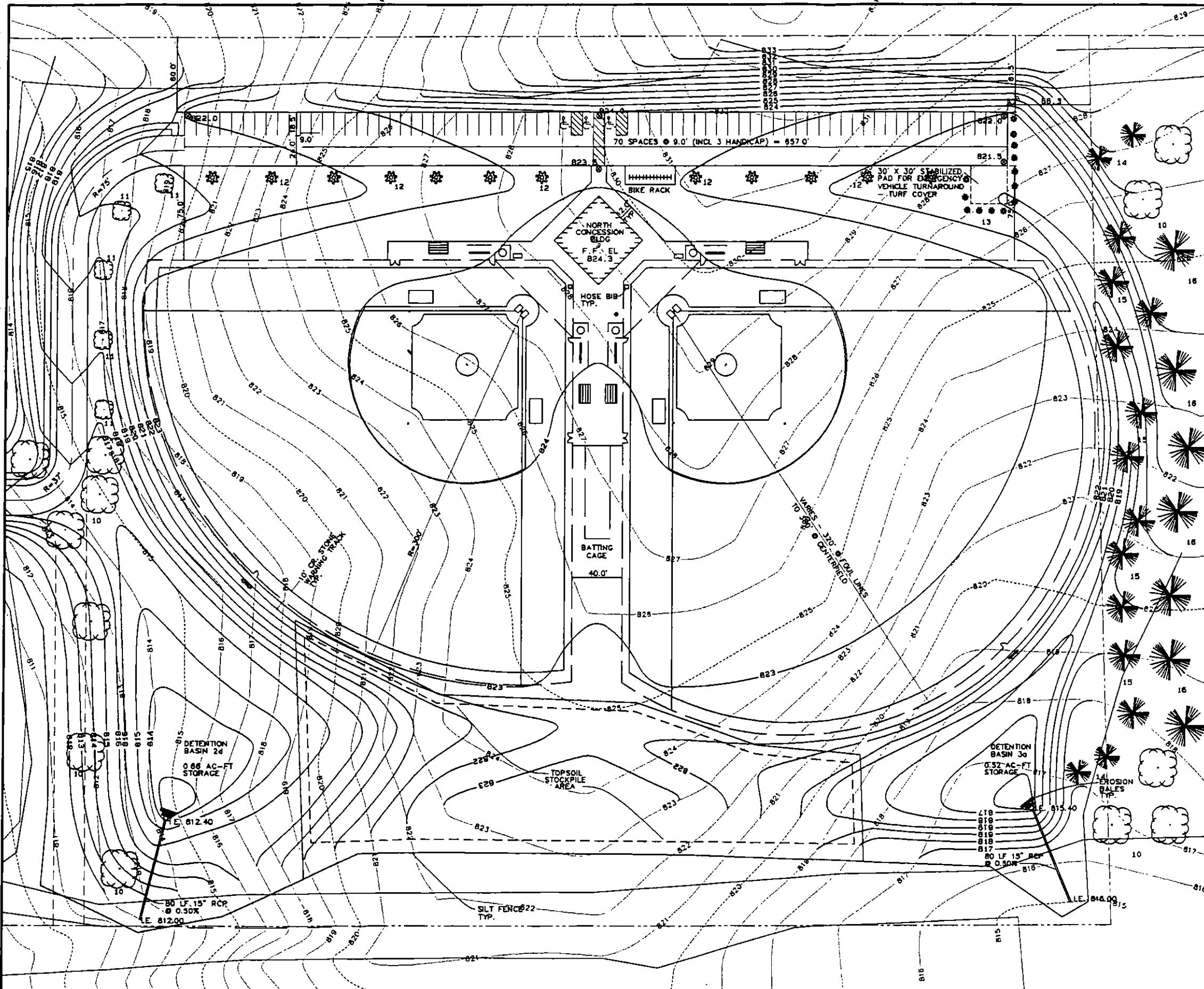
APVO

Applied Technologies

MENOMONEE FALLS
LITTLE LEAGUE
MENOMONEE FALLS, WISCONSIN

NORTH SITE, GRADING, PAVING
& EROSION CONTROL PLAN

PROJECT NO. 1927 DATE 6-23-95
DRAWING NO. C2



SITE DATA

SCALE: 1" = 40'

NO. PLANT	
1.	TECHNEY ARBOVITAE
2.	CHAMOMILE LILAC
3.	FREEMAN LINDEN
4.	FREEMAN MAPLE
5.	CHAMPLAIN ROSE
6.	ROSE
7.	ROSE
8.	RUSSIAN ARBOVITAE
9.	RUSSIAN LARCH
10.	EUROPEAN LARCH
11.	COLUMNAR NORWAYMAPLE
12.	REDDAK
13.	DONALDWYMAN CRABAPPLE
14.	IVY-LEAF TREE LILAC
15.	AMUR MAPLE
16.	DOUGLAS FIR
17.	COKE BLUE SPRUCE
18.	NORWAY SPRUCE
19.	MULCH

ALL DECIDUOUS TREES MUST BE TWO INCH CALIPER AT PLANTING.
EVERGREENS 5-8 FEET IN HEIGHT AT PLANTING AND ALL SHRUBS
MUST BE EITHER 2 1/2 GALLON OR 2 FEET IN HEIGHT AT PLANTING.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
—	—	FENCE
—	—	SILT FENCE
—	—	EROSION BALES
—	—	WETLAND LIMITS
—	—	TREE LINE
—	—	FOREST LINE
—	—	PROPERTY LINE
—	—	STORM SEWER
—	—	SANITARY SEWER
—	—	WATER
—	—	NATURAL GAS
—	—	TELEPHONE
—	—	ELECTRIC
—	—	TELEPHONE PEDESTAL
—	—	VALVE
—	—	MANHOLE
—	—	INLET
—	—	FIRE HYDRANT
—	—	SPOT ELEVATION
—	—	LIGHT POLE
—	—	CONTOURS
—	—	ASPHALTIC CONCRETE PAVEMENT (SEE NOTE 10.)
—	—	CONCRETE PAVEMENT
—	—	CONCRETE CURB & GUTTER

NOTES

1. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT AND ARE TYPICAL UNLESS OTHERWISE NOTED.
2. EXISTING TOPOGRAPHY OBTAINED FROM FIELD SURVEY.
3. THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THE SITE PLAN HAVE BEEN OBTAINED BY FIELD SURVEY AND/OR FROM PLANS PROVIDED BY THE VILLAGE OF MENOMONEE FALLS, AND ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITIES NOT SHOWN.
4. SPOT ELEVATIONS SHOWN ARE TOP OF FINISHED PAVEMENTS.
5. ELEVATIONS SHOWN ARE U.S.G.S. DATUM.
6. SANITARY SEWERS SHALL BE PVC PIPE, ASTM D3034 OF SIZE INDICATED ON PLANS.
7. STORM SEWERS SHALL BE ASTM C76 CLASS IV REINFORCED CONCRETE PIPE, OF SIZE INDICATED ON PLANS.
8. ALL STORM AND SANITARY PIPING, MANHOLES AND INLETS, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN".
9. BURIED WATER PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE WISCONSIN ADMINISTRATIVE CODE AND "STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN".
10. ALL PAVED AREAS TO RECEIVE 6" CRUSHED AGGREGATE BASE COURSE (GRADATION NO 2), 1 1/2" ASPHALTIC CONCRETE BINDER COURSE (TYPE MV), AND 1" ASPHALTIC CONCRETE SURFACE COURSE (TYPE MW). ALL PAVING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
11. CONTRACTOR SHALL EMPLOY THE EROSION CONTROL PLAN AS SHOWN ON THE PLAN, WHICH IS IN CONFORMANCE WITH THE WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK. NO GRADING WORK WILL BEGIN UNTIL ALL EROSION CONTROL DEVICES ARE IN PLACE AND APPROVED BY MENOMONEE FALLS VILLAGE ENGINEER. ALL TOPSOIL STOCKPILES SHALL BE STABILIZED WITH TEMPORARY SEEDING AND BOUNDARY BY SILT FENCE. PERMANENT SEEDING AND MULCHING WILL TAKE PLACE IMMEDIATELY FOLLOWING FINAL GRADING OPERATIONS.
12. SITE ELEVATION CAN BE UNIFORMLY ADJUSTED TO BALANCE CUTS AND FILLS. ROUGH GRADE ALL BASEBALL FIELDS ONE FOOT (1') BELOW ELEVATIONS SHOWN TO ALLOW FOR UNDERDRAIN SYSTEM, 4" OF PEA GRAVEL WITH 4" DRAIN PIPE AND 50% AND 80% MIXTURE OF TOPSOIL AND SAND. ROUGH GRADE ALL PROPOSED GRASS AREAS OUTSIDE OF BASEBALL FIELDS 4" BELOW ELEVATIONS SHOWN TO ALLOW FOR 4" TOPSOIL PLACEMENT.

DESIGNED BY MCS	VERIFY SCALES LENGTH OF BAR IS 1" ON ORIGINAL DRAWING
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NO. DATE

REVISION

BY APVD

 Applied Technologies

MENOMONEE FALLS
LITTLE LEAGUE
MENOMONEE FALLS, WISCONSIN

PROJECT NO.	DATE
1927	9-18-95
DRAWING NO.	L2