

FINAL STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL PLAN

FOR SOUTHFIELDS SPORTS PARK AT SOUTHFIELDS OF ELKTON

TOWN OF ELKTON, MARYLAND 21921

3RD ELECTION DISTRICT

TAX MAP 33D, PARCEL 2450 (PROPOSED PARCEL F)

RECEIVED

FEB 06 2025

Cecil Soil Conservation District
Elkton, Maryland 21921



ADC MAP NO. 13
GRIDS B&C

VICINITY MAP
SCALE: 1" = 1,000'



THIS SITE IS NOT LOCATED IN THE CHESAPEAKE BAY CRITICAL AREA.

SITE NOTES:
1. THIS PARCEL DOES NOT LIE WITHIN THE FEMA FLOODPLAIN (MAP # 24015C0179E) (eff. 05/4/2015)
2. THIS SITE CONTAINS WETLANDS THAT ARE BEING PERMITTED

****NOTE: SOUTHFIELDS BOULEVARD MUST BE FULLY INSTALLED, COMPLETED AND STABILIZED BEFORE THE SECONDARY SCE CAN BE INSTALL AND UTILIZED. MAIN SITE ACCESS WILL BE FROM FRENCHTOWN ROAD.****

LEGEND	
	PROPOSED
	PROPERTY LINE
	LOT LINE
	RIGHT OF WAY
	CL OF ROAD
	EDGE OF PAVING
	CURB
	BUILDING SETBACK
	EASEMENT
	1' CONTOUR
	2' CONTOUR
	10' CONTOUR
	STORM DRAIN
	WATER
	SANITARY SEWER
	WOODS
	TRAILS
	RECEIVING WATER COURSE
	LIMIT OF DISTURBANCE
	FOREST CONSERVATION ESMT
	EXISTING
	PROPERTY LINE
	ADJOINING PROPERTY
	RIGHT OF WAY
	CL OF ROAD
	EDGE OF PAVING
	ROAD LANE
	BUILDING
	2' CONTOURS
	10' CONTOURS
	WETLANDS
	25' WETLANDS BUFFER
	SOIL TYPES DELINEATION
	STREAM
	STORM DRAIN
	WATER
	SANITARY SEWER
	WOODS
	FENCE
	STEEP SLOPES (15%-25%)
	STEEP SLOPES (25%+)

STREAM CLOSURE DATES

THE UNAMED TRIBUTARY TO ELK RIVER IS DESIGNATED AS A USE I STREAM. PER THE CODE OF MARYLAND REGULATIONS 26.08.02.11, IN-STREAM WORK ON ANY STREAMS OR TRIBUTARIES OF NORTHEAST RIVER IS PROHIBITED DURING THE PERIOD OF MARCH 1 THROUGH JUNE 15, INCLUSIVE, DURING ANY YEAR.

STATEMENT OF DETERMINATION OF MD 378

ALL STORMWATER MANAGEMENT FACILITIES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUMES I AND II, (MARYLAND DEPARTMENT OF THE ENVIRONMENT) AND THE USDA NATURAL RESOURCES CONSERVATION SERVICE MARYLAND CONSERVATION PRACTICE STANDARD POND CODE 378 (JANUARY 2000). THESE CONSTRUCTION DRAWINGS ARE INTENDED TO REFLECT THE RELEVANT REQUIREMENTS; HOWEVER, ANY LACK OF SPECIFIC DETAILS ON THESE DRAWINGS SHALL NOT RELIEVE ANY OF THE REQUIREMENTS OF THESE AND OTHER RELEVANT CODES. THE CUT-OFF TRENCH AND IMPERVIOUS CLAY CORE ARE REQUIRED WHERE SHOWN ON THE APPROVED SET OF DRAWINGS.

BLANKET STORMWATER MANAGEMENT EASEMENT AGREEMENT

THE OWNER(S) HEREBY GRANT THE TOWN OF ELKTON, AT ALL TIMES, THE RIGHT OF INGRESS AND EGRESS AT REASONABLE TIMES, AND IN A REASONABLE MANNER, FOR THE PURPOSE OF INSPECTING THE ON-SITE PRIVATE STORMWATER MANAGEMENT FACILITIES. THE OWNER(S) SHALL BE RESPONSIBLE TO OPERATE, INSTALL, CONSTRUCT, RECONSTRUCT AND MAINTAIN THE ON-SITE STORMWATER MANAGEMENT FACILITIES SHOWN ON THESE PLANS. THE OWNER(S) SHALL BE RESPONSIBLE TO REPAIR ALL DEFICIENCIES IDENTIFIED BY ROUTINE TOWN INSPECTIONS AND TO DO SO IN A TIMELY MANNER.

MICHAEL BROWNE
OWNER/DEVELOPER SIGNATURE

FEB 3, 2025
DATE

PRINTED NAME & TITLE

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE FACILITIES SHOWN ON THESE STORMWATER MANAGEMENT PLANS HAVE BEEN CONSTRUCTED AS SHOWN IN RED HEREON. I ALSO CERTIFY THAT THIS FACILITY, AS CONSTRUCTED, IS IN COMPLIANCE WITH THE APPROVED ALLOWABLE DISCHARGES AND, IF APPLICABLE, MEETS THE REQUIREMENTS OF THE USDA NATURAL RESOURCES CONSERVATION SERVICE MARYLAND CONSERVATION PRACTICE STANDARD POND CODE 378. I CANNOT CERTIFY TO THE MATERIALS USED OR THE CONSTRUCTION METHODS AND SPECIFICATIONS UTILIZED DURING CONSTRUCTION, WHICH WERE INSPECTED BY THE GEOTECHNICAL ENGINEER.

SIGNATURE

DATE

PRINTED NAME

PROFESSIONAL LICENSE NO.

ADDRESS

LICENSE TYPE

STORMWATER MANAGEMENT PRACTICE / FACILITIES - GEOTECHNICAL CERTIFICATION

IN PLACE TESTING SHALL BE DONE BY A MARYLAND REGISTERED SOILS ENGINEER OR EQUIVALENT TO DETERMINE SUITABILITY FOR STRUCTURAL AND NON-STRUCTURAL "BEST MANAGEMENT PRACTICES" OF EXISTING SOIL(S) AND/OR FILL MATERIAL IN ACCORDANCE WITH THE TOWN OF ELKTON STORMWATER MANAGEMENT ORDINANCE AND ANY COMPACTION, IF APPLICABLE, MEETS COMPACTION TO 95% OF AASHTO T-99 DENSITY.

"I, _____, OF _____, (PRINT NAME) (COMPANY NAME)

CERTIFY THAT THE EXISTING SOIL(S) AND, IF APPLICABLE, THOSE USED AS BACKFILL AT THIS SITE OF THE TYPE(S) AS LISTED IN THE UNIFIED SOILS CLASSIFICATION SYSTEM IS/ARE APPROPRIATE FOR USE IN THE STRUCTURAL AND NON-STRUCTURAL "BEST MANAGEMENT PRACTICES" AS PROPOSED ON THESE PLANS AND, IF REQUIRED, MEETS THE "CORE MATERIAL" REQUIREMENTS OF THE USA NATURAL RESOURCES CONSERVATION SERVICE MARYLAND CONSERVATION PRACTICE STANDARD POND CODE 378."

SIGNATURE

REGISTRATION NUMBER

DATE

PRINTED NAME & TITLE

PROFESSIONAL CERTIFICATION

"I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAW OF THE STATE OF MARYLAND.

MATHEW S. VETTER, P.E.
PROFESSIONAL'S SIGNATURE

01-28-2025
DATE

PRINTED NAME

MD REGISTRATION NO. 58830
(P.E.) R.L.S., OR R.L.A. (CIRCLE ONE)

DESIGN CERTIFICATION

"I HEREBY CERTIFY THAT ALL SEDIMENT AND EROSION CONTROL MEASURES SHOWN ON THESE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2011 MD STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL OR CURRENT REVISIONS THEREOF.

I ALSO CERTIFY THAT ANY STORMWATER MANAGEMENT MEASURES SHOWN ON THESE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE CECIL COUNTY DEPARTMENT OF PUBLIC WORKS AND THE SOIL CONSERVATION SERVICE STANDARDS AND REGULATIONS."

MATHEW S. VETTER, P.E.
DESIGNER'S SIGNATURE

01-28-2025
DATE

PRINTED NAME

MD REGISTRATION NO. 58830
(P.E.) R.L.S., OR R.L.A. (CIRCLE ONE)

OWNER'S CERTIFICATION

"I/WE HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE CERTIFICATION OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I HEREBY AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY THE CECIL SOIL CONSERVATION DISTRICT OR THEIR REPRESENTATIVES AND THE STATE OF MARYLAND, DEPARTMENT OF THE ENVIRONMENT, COMPLIANCE INSPECTORS.

I HEREBY CERTIFY THAT DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN OF EROSION AND SEDIMENT CONTROL.

THE PROPOSED USE OF THE SITE DOES NOT MEET THE CRITERIA OF A HOT-SPOT. IF THE SITE'S USE CHANGES TO A TYPE WHICH WOULD BE CONSIDERED A HOT-SPOT IN THE MARYLAND STORMWATER DESIGN MANUAL, THE STORMWATER MANAGEMENT STRATEGY AND DESIGN WILL NEED TO BE REASSESSED AND POSSIBLY MODIFIED."

MICHAEL BROWNE
OWNER/DEVELOPER SIGNATURE

FEB 3, 2025
DATE

PRINTED NAME & TITLE

OWNER / APPLICANT / DEVELOPER

SIDELINE PROPERTIES LLC
C/O SSC CONSULTING
113 E. MAIN STREET
ELKTON, MD 21921
ATTN. MR. MICHAEL BROWNE
PHONE: (443) 309-1328

SITE DATA

TOTAL SITE AREA: 45.151 AC
ONSITE DISTURBED AREA (LOD): 45.91 AC
ONSITE EXISTING IMPERVIOUS AREA: 0.11 AC
PROPOSED IMPERVIOUS AREA: 12.38 AC
WATERSHED: UPPER ELK RIVER
(UPPER ELK RIVER AREA SUB-BASIN 02-13-06-03)

Reviewed for Cecil S.C.D.
and meets Technical Requirements
for Erosion and Sediment Control only

Final Plan Approval
Signature Date
Plan is valid for 2 years from date of approval

Cecil Soil Conservation District
Erosion and Sediment Control Plan
for
Final Plan Approval
Signature Date
Plan is valid for 2 years from date of approval

CECIL COUNTY HEALTH DEPARTMENT

REVIEWED AND APPROVAL RECOMMENDED

Plan Reviewer Date

APPROVED

Chief, Plan Reviewer Date

TOWN OF ELKTON, CITY ENGINEER

SWM PLAN NO. REVIEWED AND APPROVAL RECOMMENDED

Plan Reviewer Date

APPROVED

Plan Reviewer Date

SITE/CIVIL ENGINEER

LEADING DESIGN & DEVELOPMENT, LLC
13384 BERLIN TURNPIKE
LOVETTSVILLE, VIRGINIA 20182
CONTACT: MATT VETTER, P.E.
PHONE: (703) 999-9748
EMAIL: MATT.VETTER@LDDSPORTS.COM

SITE ANALYSIS

TOTAL SITE AREA (PROPERTY): 45.151 AC.
TOTAL AREA OF SYNTHETIC TURF SURFACING: 19.90 AC. (866,063SF)
TOTAL AREA TO BE VEGETATIVELY STABILIZED: 13.63 AC.
TOTAL AREA TO BECOME IMPERVIOUS: 12.38 AC.
TOTAL AREA TO BE DISTURBED: 45.91 AC.
ESTIMATED CUT VOLUME: 58,731 CY
ESTIMATED FILL VOLUME: 137,911 CY
TOPSOIL: 30,000 CY

"THE EARTHWORK QUANTITIES SHOWN HEREON ARE FOR INFORMATION PURPOSES ONLY. LDDSPORTS MAKES NO GUARANTEES OF ACCURACY OF QUANTITIES OR BALANCE OF SITE. THE DEVELOPER AND CONTRACTOR SHALL TAKE FULL RESPONSIBILITY OF ACTUAL EARTHWORK QUANTITIES ENCOUNTERED DURING CONSTRUCTION."

ELKTON DEPT OF PLANNING

REVIEWED AND APPROVAL RECOMMENDED

Plan Reviewer Date

APPROVED

Chief, Plans Reviewer Date

STORMWATER MANAGEMENT PLAN
Approved: [Signature] Date: 2/1/25
TOWN OF ELKTON

811
Know what's below.
Call 811 before you dig.

Sheet List Table	
Sheet Number	Sheet Title
F-ESD-1	COVER SHEET
F-ESD-2	GENERAL NOTES AND DETAILS
F-ESD-3	GENERAL NOTES AND DETAILS
F-ESD-4	GENERAL NOTES AND DETAILS
F-ESD-5	GENERAL NOTES AND DETAILS
F-ESD-6	EXISTING CONDITIONS & DEMOLITION PLAN
F-ESD-7	OVERALL PHASE 1 EROSION & SEDIMENT CONTROL PLAN
F-ESD-8	PHASE 1 EROSION & SEDIMENT CONTROL PLAN
F-ESD-9	PHASE 1 EROSION & SEDIMENT CONTROL PLAN
F-ESD-10	PHASE 1 EROSION & SEDIMENT CONTROL PLAN
F-ESD-11	PHASE 1 EROSION & SEDIMENT CONTROL PLAN
F-ESD-12	OVERALL PHASE 2 EROSION & SEDIMENT CONTROL PLAN
F-ESD-13	PHASE 2 EROSION & SEDIMENT CONTROL PLAN
F-ESD-14	PHASE 2 EROSION & SEDIMENT CONTROL PLAN
F-ESD-15	PHASE 2 EROSION & SEDIMENT CONTROL PLAN
F-ESD-16	PHASE 2 EROSION & SEDIMENT CONTROL PLAN
F-ESD-17	OVERALL PHASE 3 EROSION & SEDIMENT CONTROL PLAN
F-ESD-18	PHASE 3 EROSION & SEDIMENT CONTROL PLAN
F-ESD-19	PHASE 3 EROSION & SEDIMENT CONTROL PLAN
F-ESD-20	PHASE 3 EROSION & SEDIMENT CONTROL PLAN
F-ESD-21	PHASE 3 EROSION & SEDIMENT CONTROL PLAN
F-ESD-22	OVERALL PHASE 4 EROSION & SEDIMENT CONTROL PLAN
F-ESD-23	PHASE 4 EROSION & SEDIMENT CONTROL PLAN
F-ESD-24	PHASE 4 EROSION & SEDIMENT CONTROL PLAN
F-ESD-25	PHASE 4 EROSION & SEDIMENT CONTROL PLAN
F-ESD-26	PHASE 4 EROSION & SEDIMENT CONTROL PLAN
F-ESD-27	OVERALL PHASE 5 EROSION & SEDIMENT CONTROL PLAN
F-ESD-28	PHASE 5 EROSION & SEDIMENT CONTROL PLAN
F-ESD-29	PHASE 5 EROSION & SEDIMENT CONTROL PLAN
F-ESD-30	PHASE 5 EROSION & SEDIMENT CONTROL PLAN
F-ESD-31	PHASE 5 EROSION & SEDIMENT CONTROL PLAN
F-ESD-32	EROSION & SEDIMENT CONTROL DETAILS
F-ESD-33	EROSION & SEDIMENT CONTROL DETAILS
F-ESD-34	EROSION & SEDIMENT CONTROL DETAILS
F-ESD-35	EROSION & SEDIMENT CONTROL DETAILS
F-ESD-36	EROSION & SEDIMENT CONTROL DETAILS
F-ESD-37	EROSION & SEDIMENT CONTROL DETAILS
F-ESD-38	EROSION & SEDIMENT CONTROL DETAILS
F-ESD-39	EROSION & SEDIMENT CONTROL DETAILS
F-ESD-40	EROSION & SEDIMENT CONTROL DETAILS
F-ESD-41	OVERALL LAYOUT PLAN
F-ESD-42	LAYOUT PLAN
F-ESD-43	LAYOUT PLAN
F-ESD-44	LAYOUT PLAN
F-ESD-45	LAYOUT PLAN
F-ESD-46	OVERALL GRADING PLAN
F-ESD-47	GRADING PLAN
F-ESD-48	GRADING PLAN
F-ESD-49	GRADING PLAN
F-ESD-50	GRADING PLAN
F-ESD-51	STORM SEWER COMPUTATIONS & DETAILS
F-ESD-52	STORM SEWER PROFILES
F-ESD-53	STORM SEWER PROFILES
F-ESD-54	STORM SEWER PROFILES
F-ESD-55	STORM SEWER PROFILES
F-ESD-56	PRE-DEVELOPED DRAINAGE DIVIDE
F-ESD-57	OVERALL POST DEVELOPED DRAINAGE PLAN
F-ESD-58	POST DEVELOPED DRAINAGE PLAN
F-ESD-59	POST DEVELOPED DRAINAGE PLAN
F-ESD-60	POST DEVELOPED DRAINAGE PLAN
F-ESD-61	POST DEVELOPED DRAINAGE PLAN
F-ESD-62	POST DEVELOPED DRAINAGE PLAN
F-ESD-63	ESD SUMMARY PLAN
F-ESD-64	OVERALL ESD STORMWATER MANAGEMENT PLAN
F-ESD-65	ESD STORMWATER MANAGEMENT PLAN
F-ESD-66	ESD STORMWATER MANAGEMENT PLAN
F-ESD-67	ESD STORMWATER MANAGEMENT PLAN
F-ESD-68	ESD STORMWATER MANAGEMENT PLAN
F-ESD-69	SGW #1 & SGW #2 CROSS SECTIONS
F-ESD-70	SWM FACILITY #4 & SGW #5 CROSS SECTIONS
F-ESD-71	SGW #6 & SGW #7 CROSS SECTIONS
F-ESD-72	SGW #8 & SGW #9 CROSS SECTIONS
F-ESD-73	UNDERGROUND SWM FACILITIES #10, #12 & #13 CROSS SECTIONS
F-ESD-74	UNDERGROUND SWM FACILITIES #14 AND #15 CROSS SECTIONS
F-ESD-75	SUBMERGED GRAVEL WETLANDS LANDSCAPE PLAN

SEAL:



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 58830, EXPIRATION DATE: 02-01-2026.



LEADING DESIGN AND DEVELOPMENT, LLC.
13384 BERLIN TURNPIKE
LOVETTSVILLE, VA 20180
TEL: 703.999.9748
www.lddsports.com

CLIENT:



OWNER / APPLICANT / DEVELOPER
SIDELINE PROPERTIES, LLC
C/O SSC CONSULTING
113 E. MAIN STREET
ELKTON, MARYLAND 21921
ATTN: MR. MICHAEL BROWNE

REVISION	DESCRIPTION	DATE
1.	CONCEPT SWM / SCD	07-15-2022
2.	PRELIM. SWM / SCD	11-04-2022
3.	PRELIM. SWM / SCD	02-20-2023
4.	PRELIM. SWM / SCD	08-10-2023
5.	FINAL SWM / SCD	12-13-2024
6.	FINAL SWM / SCD	01-10-2025
7.	SCD COMMENTS	01-21-2025
8.	SIGNATURE SET	01-28-2025

PROJECT NAME:

SOUTHFIELDS SPORTS PARK
AT
SOUTHFIELDS OF ELKTON

PARCEL "F"
ELKTON, MARYLAND 21921
LOT 10
DEED REF. 4910 / 356
PLAT NO. 1122 / 44
3RD ELECTION DISTRICT
CECIL COUNTY, MARYLAND
TAX MAP 33D, PARCEL 2450



DRAWN BY: KGW
DESIGNED: MSV
CHECKED: RJT

PROJECT No: 2021-03

DATE: 01-28-2025

DRAWING TITLE:
COVER SHEET

SCALE: SEE PLAN SHEET

DRAWING No:

F-ESD-1