MDE TRACKING

NUMBER

COORDINATES

# DOE CLEAN WATER PARTNERSHIP WATER QUALITY RETROFIT PLAN

ONE WET POND RETROFIT

COOPERS LANDING

FINAL GRADING, EROSION AND SEDIMENT CONTROL PLAN

LANDING WAY, HYATTSVILLE, 20784

BLADENSBURG (2nd) ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

#### SEDIMENT CONTROL NARRATIVE

WATER PARTNERSHIP ACT TO FULFILL THE COUNTIES IMPERVIOUS AREA TREATMENT REQUIREMENTS

COUNTY AS-BUILT DRAWINGS, COOPERS LANDING SD#8327757-2000-00, AND SEDIMENT CONTROL PLAN NUMBERS SC# 280-01 PREPARED BY GREENMAN-PEDERSEN, INC. THE PROPOSED WORK INCLUDES THE CONSTRUCTION OF A FOREBAY REPLACEMENT OF POND DRAIN PIPE, AND INSTALLATION OF GARION.

INFLOW POINT TO CREATE A FOREBAY, THE DESIGN CRITERIA OF THIS FOREBAY IS TO TREAT RUNOFF FROM 10% OF IMPERVIOUS SURFACES WITHIN THE SUB-DRAINAGE AREA. IN ADDITION, THE LOW ORIFICE OPENING IS GOING TO BE REDUCED SO THE EXTENDED DETENTION VOLUME WILL DRAIN WITHIN 48-HOUR

ALSO, THE FXISTING POND DRAIN PIPE IS TO BE REPLACED BY A LARGER DIAMETER PIPE TO EMPTY THE

IMPERVIOUS AREA WAS OBTAINED FROM PRINCE GEORGE'S COUNTY'S 2014 GIS IMPERVIOUS LAYER

STABILIZATION NOTE

STABILIZATION PRACTICES ON ALL PROJECTS MUST BE IN COMPLIANCE WITH THE REQUIREMENTS OF

COMAR 26.17.1.08 G REGULATIONS BY JANUARY 9, 2013, REGARDLESS OF WHEN AN EROSION SEDIMENT CONTROL PLAN WAS APPROVED. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT

OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN: THREE (3) CALENDAR DAY AS TO THE

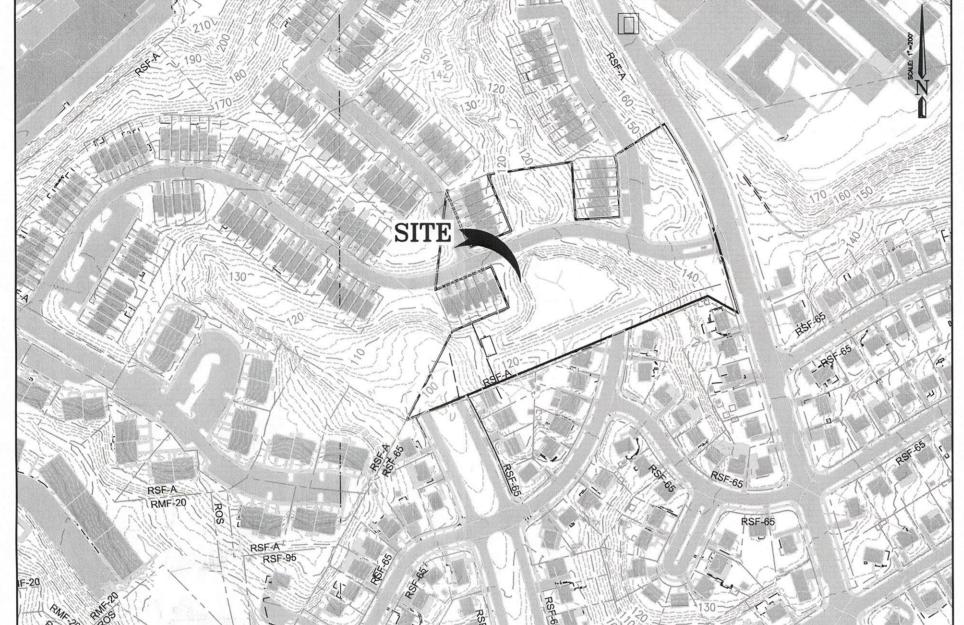
SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER

THAN 3 HORIZONTAL TO 1 VERTICAL (3:1): AND SEVEN (7) CALENDAR DAY AS TO ALL OTHER DISTURBED OR

Project Name: RETROFIT ID: 0

POI

THE LIMIT OF DISTURBANCE FOR THIS PROJECT WILL BE CONTAINED WITHIN THE EXISTING SWM RUNGEE PRIOR TO LEAVING THE LOD ALSO ACCELERATED STABILIZATION WILL BE IMPLEMENTED TO ROTECT THE WATERSHED AGAINST ADDED SEDIMENT RUNOFF, PUMPS ARE PROPOSED TO PUMP THE



PROPERTY STREET ADDRESS: LANDING WAY, HYATTSVILLE, MD 20784. TAX I.D. 3395563

DRAINAGE AREA = 25.78 Ac. IMPERVIOUS AREA = 8.34 Ac. SITE AREA = 1.69 Ac.

DISTURBED AREA = 1.37 Ac

PROPOSED USE: RESIDENTIAL, SINGLE-FAMILY, COMMERCIAL, GENERAL & OFFICE ZONE WSSC GRID: 205NE05 & 205NE06

TAX MAP: 51 GRID: C3 LOT: N/A, BLOCK: N/A, PARCEL: A

THERE ARE NO CEMETERIES ON OR CONTIGUOUS TO THE PROPERTY

THIS SITE IS NOT LOCATED WITHIN THE CHESAPEAKE BAY CRITICAL AREA (CBCA).

THIS SITE DOES NOT CONTAIN HIGHLY ERODIBLE SOILS.

THIS SITE DOES CONTAIN STEEP SLOPES. THIS SITE DOES NOT CONTAIN A TIER II WATERBODY AS DEFINED IN COMAR 26.08.02.04

MARLBORO CLAY AND CHRISTIANA COMPLEX ARE NOT FOUND TO OCCUR ON OR

STRUCTURE ID: SD# 8327757-2000-00

EXISTING SWM EASEMENT AND PUBLIC ACCESS PLAT: PB.192 P.50.

TCP1 & TCP 2: 040-97 & 004-01 20. NRI NO.:116-2024

SEE SHEET B-G002 FOR SEQUENCE OF CONSTRUCTION, SITE DATA CREDIT TABLE, AND

																	FOND RETROPTI 3	IOWINART TABLE	
FINAL PLAN BMP SUMMARY TABLE																			
COOPERS LANDII	NG	Permit No.: 3407-2023-0														Total Site Acrage: 1.37 Ac.			
NAME	MD NORTH	MD EAST	LAND USE	CONSTRUCTION PURPOSE	DRAINAGE AREA (Ac.)	TOTAL IMPERVIOUS AREA (Ac.) *	NEW IMPERVIOUS AREA (Ac.)	EXISTING IMPERVIOUS AREA (Ac.) *	PERCENT IMPERVIOUS	TARGET PE (IN)	TARGET VOLUME (FT³)	DESIGN VOLUME (FT³) USING ESD PRACTICES	DESIGN VOLUME (FT³) USING STRUCTURAL	MAX VOLUME (FT³)	RCN	ON OFF SITE	IMPERVIOUS AREA CREDIT (Ac.)	RESTORATION CREDIT (Ac.)	
WET POND	463,050	1,340,250	RESIDENTIAL	RETROFIT	25.78 Ac.**	8.34 Ac. *	0 Ac.	8.34 Ac.*	32.36%	1	30,274	N/A	39,786	90,823	92	-	8.34 Ac.	5.97	

THIS PROJECT IS TO RETROFIT AN EXISTING SWM FACILITY TO ADDRESS WQv FROM THE EXISTING 8.20 ACRES OF UNTREATED IMPERVIOUS AREAS. THIS PROJECT WILL PROVIDE WQv FOR 2.94" OF RUNOFF IN A WET POND. SEE NOT REQ'D BMP SUMMARY TABLE FOR MORE DETAILS NOT REQ'D M-NCPPC CONSTRUCTION SWM CONCEPT CERTIFICATION:

\* DRAINAGE AREA AND IMPERVIOUS AREA ARE EXCLUSIVE OF THE SHA RIGHT-OF-WAY. THE DRAINAGE AREA FOR THE POND ROUTING IS 25.9573 AC

PUBLIC UTILITY REQ'D STATE HIGHWAY ADMINISTRATION NOT REQ'D NOT REQ'D MDE WATERWAY CONSTRUCTION MDE DAM SAFETY NOT REQ'D U.S. ARMY CORPS OF ENGINEERS NOT REQ'D MARYLAND SWM ADMIN. APPROVAL MDE - WQC

PERMIT REQUIREMENTS

NOT REQ'D REQ'D

LICENSE NO .: 29517

EXPIRATION DATE: DECEMBER 31, 2025

SWM AS-BUILT CERTIFICATION

THIS PLAN HAS BEEN APPROVED FOR STORMWATER

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE THAT THIS AS-BUILT IS IN COMPLIANCE WITH THE DESIGN, AND THE POND/BASIN AS CONSTRUCTED MEETS THE REQUIREMENTS OF THE MARYLAND SOIL CONSERVATION SERVICE-MARYLAND STANDARDS AND SPECIFICATIONS FOR PONDS (MD-378) AND/OR THE APPROPRIATE STANDARDS AND SPECIFICATIONS ON THE APPROVED STORMWATER MANAGEMENT PLAN."

MD. REG. NO .:

### UTILITY CERTIFICATION

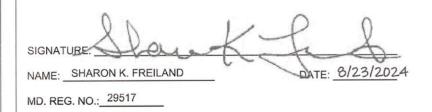
"I HEREBY CERTIFY THAT THE EXISTING AND/OR PROPOSED UNDERGROUND UTILITY INFORMATION SHOWN HEREON HAS BEEN CORRECTLY DUPLICATED FROM UTILITY COMPANY RECORDS. FURTHER, THAT THIS PROJECT HAS BEEN CAREFULLY COORDINATED WITH EACH INVOLVED UTILITY COMPANY AND ALL AVAILABLE UNDERGROUND UTILITY INFORMATION RELATIVE TO THIS PLAN HAS BEEN SOLICITED FROM THEM."

#### **ENGINEERS & DRAINAGE CERTIFICATION**

"I HEREBY CERTIFY THAT THIS PLAN CONFORMS TO THE REQUIREMENTS OF SUBTITLE 32, DIVISION 2 OF THE CODE OF PRINCE GEORGE'S COUNTY WATER RESOURCES PROTECTION AND GRADING CODE; AND THAT I OR MY STAFF HAVE INSPECTED THIS SITE AND THAT DRAINAGE FLOWS FROM UPHILL PROPERTIES ONTO THIS SITE, AND FROM THIS SITE ONTO DOWNHIL PROPERTIES, HAVE BEEN ADDRESSED IN SUBSTANTIAL ACCORDANCE WITH

#### **ENGINEERS CERTIFICATION**

I HEREBY ATTEST TO THE COMPLETENESS AND CORRECTNESS OF EXISTING CONDITIONS AS SHOWN AND TO THE COMPLIANCE OF ALL PROPOSED GRADING AND OTHER WORK WITH ALL OF THE REQUIREMENTS OF SUBTITLE 32, DIVISION 2, SECTION 32-130, EXCEPT FOR SPECIFIC WAIVERS OR MODIFICATIONS AS LISTED.



FACILITIES LOCATED BY THE UTILITY COMPANIES

PRIOR TO COMMENCING EXCAVATION.

#### **CONSULTANTS CERTIFICATION**

I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICABLE AND WORKABLE PLAN BASE ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT THIS PLAN WAS DESIGNED AND PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE PRINCE GEORGE'S SOIL CONSERVATION DISTRICT AND "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL". I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER"

PRINTED NAME

#### OWNER'S/DEVELOPER'S CERTIFICATION

"I/WE HEREBY CERTIFY THAT I/WE HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN AND THAT ANY CLEARING, GRADING, DRAINAGE, CONSTRUCTION, AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROL AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING A A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT BEFORE BEGINNING THE PROJECT. PRINCE GEORGE'S SOIL CONSERVATION DISTRICT AND THE ENFORCEMENT AUTHORITY SHALL HAVE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATIONS".

PRINCE GEORGE'S COUNTY DOE COMPLETE ADDRESS \_\_\_\_ 1801 MCCORMICK DRIVE, SUITE 500, LARGO, MD 20774\_

TITLE PROGRAM MANAGER

PH#\_\_\_301-883-3634\_

**MD-378 CERTIFICATION** "I CERTIFY THAT THIS DESIGN PLAN FOR THE CONSTRUCTION

OF THE EMBANKMENT AND/OR EXCAVATED POND

REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY KNOWLEDGE OF THE SITE AND WAS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCES CONSERVATION SERVICE-MARYLAND CONSERVATION PRACTICE STANDARD FOR PONDS, (MD-378). I HAVE REVIEWED THIS PLAN WITH THE OWNER/DEVELOPER.

(PRINTED) SHARON K. FREILAND MD LICENSE #: \_\_29517 EXP. DATE: 12/31/2025

ADDRESS: 4601 FORBES BOULEVARD, SUITE 300 LANHAM, MD 20706 PHONE #: 301.731.5551

PRINCE GEORGE'S SOIL CONSERVATION DISTRICT GRADING, EROSION AND SEDIMENT CONTROL

SC # 280-01 PRINCE GEORGE'S COUNTY, MARYLAND DEPARTMENT OF ENVIRONMENTAL RESOURCES PERMITS AND REVIEW DIVISION ) CERTIFIES WATER QUALITY STRUCTURE EXEMPT FROM MD-378 APPROVAL.

PRINCE GEORGE'S SOII

**CONSERVATION DISTRICT** 

**SMALL POND APPROVAL** 

SHEET INDEX

**COVER SHEET** 

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**GENERAL NOTES** 

SOIL CONSERVATION DOCUMENTS

SOIL CONSERVATION DOCUMENTS

DRAINAGE AREA MAP

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EROSION AND SEDIMENT CONTROL PLAN

SEDIMENT CONTROL NOTES

SEDIMENT CONTROL NOTES AND DETAILS

**PROFILES** 

RISER DETAILS

SHEET NOT USED

DETAILS

**DETAILS** 

GABION DETAILS

LANDSCAPE PLAN

MAINTENANCE OF TRAFFIC

COOPERS LANDING RECORD DRAWING (FOR REFERENCE ONLY) COOPERS LANDING RECORD DRAWING (FOR REFERENCE ONLY)

(FOR REFERENCE ONLY)

(FOR REFERENCE ONLY)

(FOR REFERENCE ONLY)

AGENCY SHT. #

SWM-01 / FSC-01

SWM-02 / FSC-02

SWM-03 / FSC-03

SWM-04 / FSC-04

SWM-05 / FSC-05

SWM-06 / FSC-06

SWM-06A / FSC-06A

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B-C304

B-C305

B-C400

SIGNATURE CERTIFIES POND MEETS MD-378 & RECOMMEND PGSCD APPROVAL

SIGNATURE

) CERTIFIES POND MEETS MD-378 & FORWARD FOR FINAL PGSCD REVIEW & APPROVAL.

) AS-BUILT MEETS ALL REQUIREMENTS of MD-378.



Prince George's County Maryland Department of the Environment (DoE) APPROVED PERMIT SET

he Department of the Environment (DoE) has completed a eview of this document for code compliance. As required by State Code, the design professional(s) responsible for the preparation and content of this document must provide a record

copy of these documents with their original seal, signature and date.

Case Name: COOPER'S LANDING POND RETROFIT

Address: 00000 LANDING WAY HYATTSVILLE, Maryland 2078

Case Number (Permit #):27091-2023-0

Lot(s) and Block(s) and Parcel(s):

ssuance Date: 11/25/2024

DEPARTMENT OF THE ENVIRONMENT (DoE) PRINCE GEORGE'S COUNTY, MD

## PEER REVIEW APPROVAL STAMP

"I HEREBY CERTIFY THAT I HAVE SUCCESSFULLY COMPLETED PARTICIPATION IN DPIE'S PEER REVIEW PROGRAM. I HAVE REVIEWED THESE PLANS IN DETAIL AND THEY ARE IN CONFORMANCE WITH THE COUNTY'S CODE, GENERAL SPECIFICATIONS, AND STANDARDS."

PEER REVIEWER'S NAME: BENJAMIN MOSIEF COMPANY NAME: SOLTESZ

LICENSE NUMBER: 40806 PERMIT NUMBER: 27091-2023-0



COORDINATES SHOWN HEREON WERE ESTABLISHED USING

CONVENTIONAL AND GPS OBSERVATIONS BASED UPON THE

REALIZATION, USING NGS CORS STATIONS GAIT, GODE, AND

ALL BEARINGS AND DISTANCES SHOWN ARE BASED ON GRID

USNO, HOLDING USNO FOR HORIZONTAL AND VERTICAL POSITION.

THE VERTICAL DATUM IS BASED UPON NAVD88 VERTICAL DATUM.

MARYLAND COORDINATE SYSTEM, NAD 83 (NSRS2007)

DEWBERRY ENGINEERS INC. 4601 FORBES BOULEVARD, SUITE 300 LANHAM, MD 20706 301.731.5551 301.731.0188 FAX

GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.



NATURAL RESOURCE INVENTORY

AS-BUILT DATA

CONTRACTOR:

INSPECTOR:

DATE FINALED:

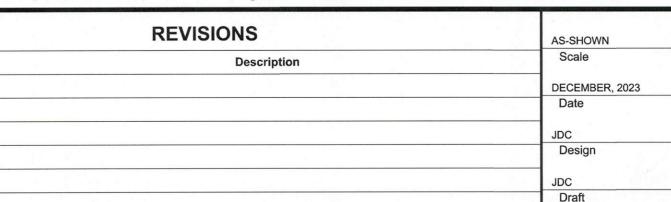


MISS UTILITY NOTE INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TEST PITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION, CALL "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN TH AREA OF PROPOSED EXCAVATION AND HAVE THOSE

OWNER COOPER LANDING COMMUNITY ASSOCIATION 2180 WEST SR 434 LONGWOOD, FL 32779

APPLICANT

PRINCE GEORGE'S COUNTY DOE CLEAN WATER PARTNERSHIP 1801 McCORMICK DRIVE, SUITE 500 LARGO, MARYLAND 20774 CONTACT: JAMES LYONS



## **COVER SHEET**

STORMWATER MANAGEMENT RETROFIT PLAN ONE WET POND RETROFIT

2nd ELECTION DISTRICT, PRINCE GEORGE'S COUNTY, MARYLAND

DOE CLEAN WATER PARTNERSHIP COOPERS LANDING LANDING WAY, HYATTSVILLE, MD 20784

DWG# B-G00 SWM SHT SWM-01 OF 2

FSC SHT FSC-01 OF 20 FILE # 2022-3016

**SHEET** 1 of 20