

USING AGENCY APPROVAL

NAME DATE

TITLE

DGS APPROVAL

PROJECT MANAGER DATE

CHIEF OF PM&D DATE

SMITHGROUP

1700 NEW YORK AVENUE NW
SUITE 100
WASHINGTON, DC 20006
202.842.2100
www.smithgroup.com

AMT Engineering
CIVIL ENGINEERS
800 King Farm Boulevard, 4th Floor
Rockville, MD 20850
301-881-2545

Cagley & Associates
STRUCTURAL ENGINEERS
8141 Executive Boulevard
Rockville, MD 20852
301-881-9550

Mahan Rykiel
LANDSCAPE ARCHITECTS
3300 Clapper Mill Road, Suite 200
Baltimore, MD 21211
410-235-6001

Spexsys
AV. IT. SECURITY
7257 Parkway Drive, Suite 200
Hanover, MD 21076
410-712-0350

DWG FILE:

DRAWN BY:

CHECKED BY:

ISSUED FOR: REV DATE

TAKOMA PARK SWM PERMIT 08 SEPT 2020

GMP2 BID - ADDENDUM 3 27 MAY 2020

GMP2 BID - ADDENDUM 1 08 DEC 2019

GMP2 BID 28 OCT 2019

DESIGN DEVELOPMENT 27 SEP 2019

SCHEMATIC DESIGN SUBMISSION 23 JAN 2019

PER MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE)
STORMWATER MANAGEMENT DESIGN MANUAL, AN
INFILTRATION RATE GREATER THAN 0.52"/HR IS CONSIDERED
SUITABLE.

SEALS AND SIGNATURES

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.

MICHAEL C. WYCHULIS, P.E.
LICENSE NO. 32561 EXPIRATION DATE: 01/06/22

KEYPLAN NORTH

SHEET TITLE

STORMWATER
MANAGEMENT PLAN

PROJECT NUMBER

SHEET NUMBER

C-37

TPPW SWM SHEET 2 OF 7

X:\ROCKVILLE\17-0946-001 - MONTGOMERY COLLEGE MATH AND SCIENCE BUILDING DWG, 9/4/2020 11:08 AM, HLEVINE
Plot Date: 8/25/2019 10:42:09 AM
Author

811
MISS UTILITY
48 HOURS BEFORE YOU DIG
CALL "MISS UTILITY" AT 811
OR LOG ON TO www.missutility.net

APPLICATION NO:
STORMWATER MANAGEMENT
Takoma Park, MD

Permit
 Exemption
 Approved as Noted
 Approved as Modified

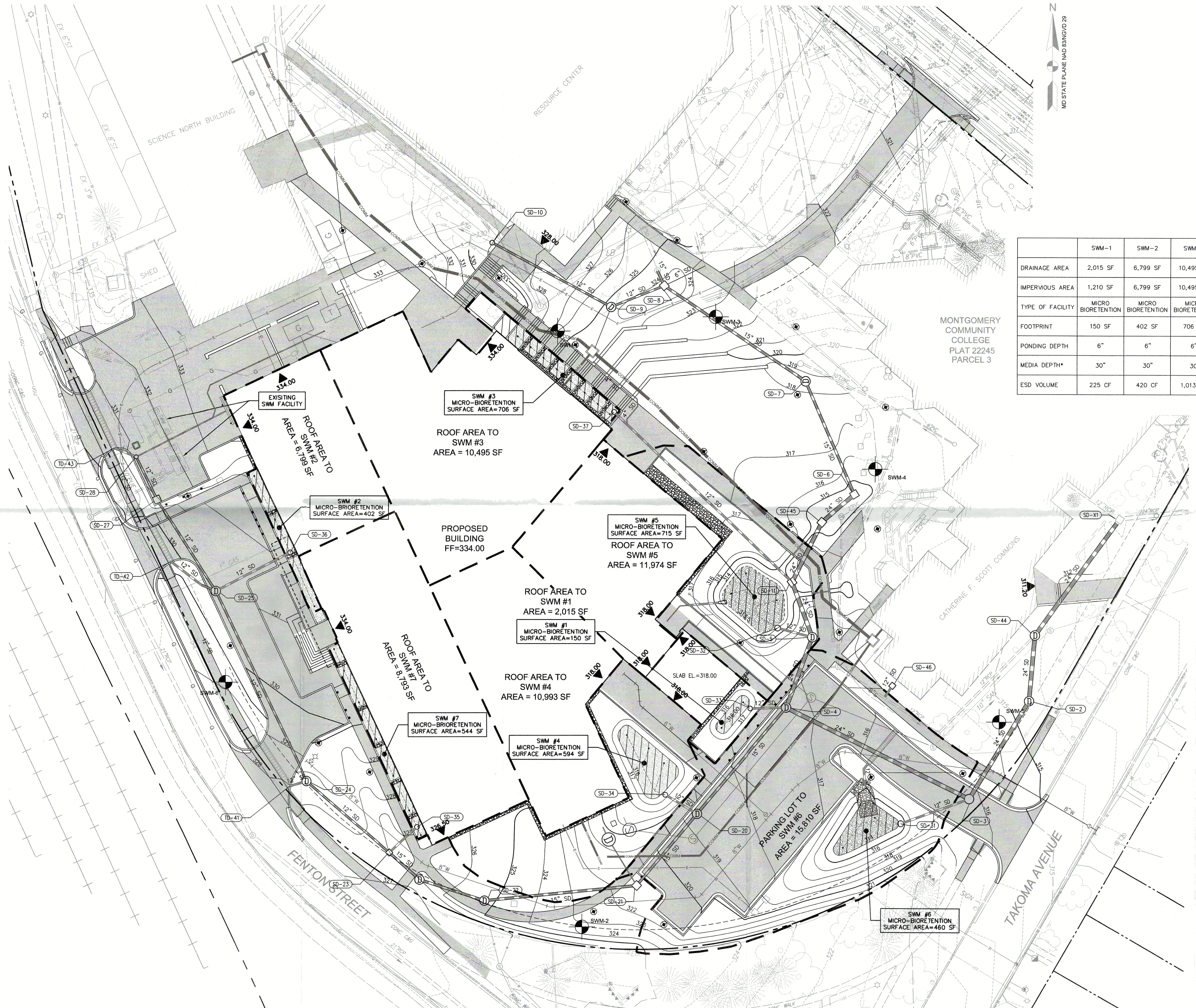
Waver
 Variance
 Not Approved
 Revises & Resubmits

approved in accordance with any provision of Takoma Park Municipal Code Title 16 most recent Ordinance which is not specifically noted and identified as an authorized deviation from the Ordinance does not relieve the applicant of responsibility for compliance with all provisions of the Ordinance.

9/14/2020
Date
Ali Khaliliani
Engineer

0 10' 20' 40'
SCALE: 1"=20'

TPPW SWM SHEET 2 OF 7



	SWM-1	SWM-2	SWM-3	SWM-4	SWM-5	SWM-6	SWM-7
DRAINAGE AREA	2,015 SF	6,799 SF	10,495 SF	10,993 SF	11,974 SF	15,810 SF	8,793 SF
IMPERVIOUS AREA	1,210 SF	6,799 SF	10,495 SF	8,840 SF	7,855 SF	10,105 SF	8,793 SF
TYPE OF FACILITY	MICRO BIORETENTION	MICRO BIORETENTION	MICRO BIORETENTION	MICRO BIORETENTION	MICRO BIORETENTION	MICRO BIORETENTION	MICRO BIORETENTION
FOOTPRINT	150 SF	402 SF	706 SF	594 SF	715 SF	460 SF	544 SF
PONDING DEPTH	6"	6"	6"	12"	12"	12"	6"
MEDIA DEPTH*	30"	30"	30"	30"	30"	30"	30"
ESD VOLUME	225 CF	420 CF	1,013 CF	1,188 CF	1,430 CF	920 CF	750 CF

TOTAL ESD VOLUME PROVIDED:	5,946 CF
TOTAL ESD VOLUME REQUIRED:	2,673 CF
IMPERVIOUS AREA REQUIRING TREATMENT:	0.78 AC.
IMPERVIOUS AREA TREATED:	1.52 AC.

BORING NUMBER	SOIL CLASSIFICATION AT TEST DEPTH	INFILTRATION TEST RATE (IN/HR)
SWM-1	SC	2.10
SWM-2	SC	1.20
SWM-3	SC	2.10
SWM-4	SC	0.14
SWM-5	CL	0.20
SWM-6	SC	1.10

