GENERAL NOTES THE EXISTING TOPOGRAPHY SHOWN HEREON IS BASED ON A TOPOGRAPHIC SURVEY PREPARED BY VOGEL ENGINEERING + TIMMONS GROUP, PERFORMED IN DECEMBER, 2022. OFFSITE TOPOGRAPHY IS FROM HOWARD COUNTY GIS.

- THE SUBJECT PROPERTY IS ZONED "R-12" IN ACCORDANCE WITH THE 10/6/201 COMPREHENSIVE ZONING PLAN AND IS SUBJECT TO THE SUBDIVISION AND LAND
- NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT, STREAM BUFFERS, AND 100-YEAR FLOODPLAIN AREAS.

- 10. THERE ARE NO STEEP SLOPES OVER 20,000 CONTIGUOUS SQUARE FEET ON THE PROPERTY.

THIS PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT.

- STORMWATER MANAGEMENT FOR THE PROJECT IS PROVIDED BY THE USE OF MICRO-SCALE PRACTICES IN ACCORDANCE WITH ENVIRONMENTAL SITE DESIGN CRITERIA SYSTEM. THE MICRO-SCALE PRACTICES USED ARE MICRO-BIORETENTION FACILITY (M-6). THIS FACILITY SHALL BE PRIVATELY OWNED AND MAINTAINED.

- 20. IMPROVEMENTS ON THIS PLAN WILL BE SHOWN AS A REDLINE TO SDP-01-002.

ENVIRONMENTAL SITE DESIGN NARRATIVE:

0.1 AC. OF FOREST ON SITE, THERE WILL BE NO DISTURBANCE TO THE FOREST, STREAM AND ITS BUFFER, 2. THE SITE NATURALLY SLOPES FROM NORTH TO SOUTH. THE SITE HAS BEEN DESIGNED TO MAINTAIN THE NATURAL DRAINAGE PATTERNS, WITH NO DRAMATIC CHANGES TO THE NATURAL DRAINAGE.

3. THE CONCEPTUAL REDUCTION IN IMPERVIOUS AREA THROUGH BETTER SITE DESIGN IS ACHIEVED THROUGH THE ENVIRONMENTAL SITE DESIGN (ESD) FOR THE PROJECT TO THE MAXIMUM EXTENT PRACTICABLE (MEP). THE RESULTS OF THE ENVIRONMENTAL SITE DESIGN FOR THIS PROJECT WILL REFLECT "WOODS IN GOOD CONDITION". THE ESD CONCEPT INCLUDES THE USE OF MICRO-BIORETENTION FACILITY (M-6).

4. SEDIMENT CONTROL FOR THIS SPECIFIC SITE PLAN WILL BE PROVIDED THROUGH THE USE OF EARTH DIKE AND SUPER SILT FENCE PERIMETER CONTROLS, SEDIMENT CONTROL SHALL BE IN ACCORDANCE WITH CURRENT REQUIREMENTS AND SHALL BE APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT DURING THE FUTURE SITE DEVELOPMENT PLAN PHASE OF THE PROJECT.

5. STORMWATER MANAGEMENT FOR THE PROJECT SHALL BE MET THROUGH THE MICRO-SCALE PRACTICE OF MICRO-BIORETENTION FACILITY (M-6). THE CALCULATED RAINFALL TARGET (PE) FOR THIS PROJECT IS 1.60", THE TOTAL RUNOFF VOLUME (ESDV) REQUIRED IS 1,037 CF., AND THE REV. REQUIRED IS 246.

6. NO WAIVER PETITIONS OR/AND ALTERNATIVE COMPLIANCE FOR ENVIRONMENTAL DISTURBANCE OR ENCROACHMENTS ARE REQUIRED FOR THIS PROJECT.

7. IMPROVEMENTS ON THIS PLAN WILL BE SHOWN AS A REDLINE TO SDP-01-002.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION

CHIEF, DIVISION OF LAND DEVELOPMENT

SITE ANALYSIS DATA CHART

TOTAL PROJECT AREA: NET AREA OF PROJECT: AREA OF WETLANDS AND WETLAND BUFFERS: AREA OF FLOODPLAIN: AREA OF FOREST: AREA OF MODERATE SLOPES (15% TO 24.99%): AREA OF STEEP SLOPES (25% OR GREATER): ERODIBLE SOILS: LIMIT OF DISTURBED AREA: PROPOSED USES FOR SITE AND STRUCTURES: GREEN OPEN AREA: PROPOSED IMPERVIOUS AREA:

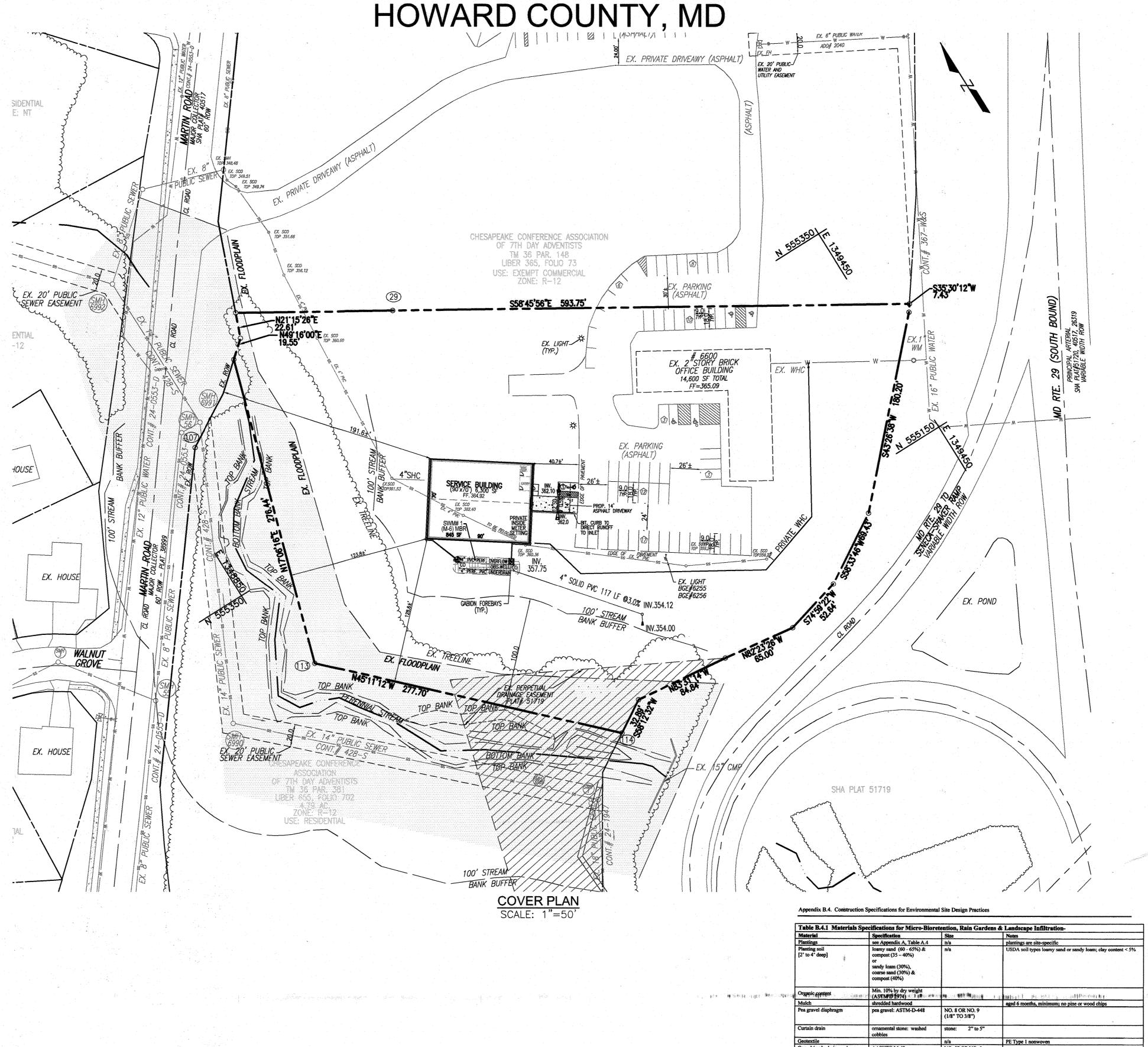
PRESENT ZONING DESIGNATION: DPZ FILE REFERENCES:

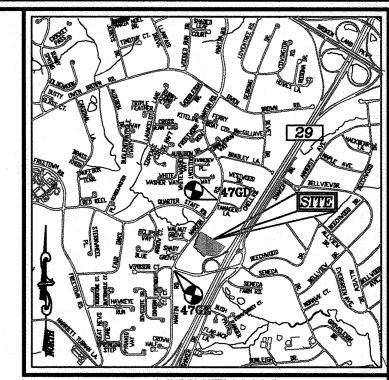
3.53 AC. (3.95 AC. - 0.42 AC.) 0.42 AC. 0.10 AC. 0.00 AC. 0.34 AC. (15,051 SF) 0.58 AC. COMMERCIAL 0.30 AC. (OPEN AND ENVIRONMENTAL) 0.16 AC. (WITHIN LOD AREA)

SDP-72-114, SDP-01-002,

9.1.23

ENVIRONMENTAL CONCEPT PLAN CHESAPEAKE CONFERENCE

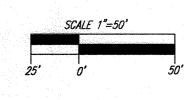




SCALE: 1"=2,000 ADC MAP COORDINATE: 32 F4

PROPERTY LINE RIGHT-OF-WAY LINE ADJACENT PROPERTY LINE EXISTING PAVING
EXISTING TREELINE EXISTING FENCE EXISTING STREAM EXISTING STREAM BUFFER
EXISTING SIGN EXISTING UTILITY POLE
EXISTING SANITARY MANHOLE EXISTING SANITARY LINE
EXISTING CLEANOUT EXISTING FIRE HYDRANT
EXISTING WATER LINE EXISTING STORMDRAIN
MICRO BIO-RETENTION
EX. PERPETUAL DRAINAGE DRAINAGE EASEMENT PLAT# 51719
EX. 100 YEAR FLOODPLAIN

SHEET INDEX	
DESCRIPTION	SHEET NO.
COVER SHEET AND ESDV CONCEPT PLAN	1 OF 2
STORMWATER MANAGEMENT DRAINAGE AREA MAP & DETAILS	2 OF 2



OWNER / DEVELOPER CHESAPEAKE CONFERNCE ASSOCIATION OF 7TH DAY ADVENTISTS 6600 MARTIN ROAD COLUMBIA, MD 21044

301-596-5600 jlutz@ccosda.org

REVISION **ENVIRONMENTAL CONCEPT PLAN**

COVER SHEET AND ESDV CONCEPT PLAN CHESAPEAKE CONFERENCE 6600 MARTIN ROAD COLUMBIA, MD 21044 L. 07895 F. 00292

TAX MAP: 36 PARCEL: 335 5TH ELECTION DISTRICT

(3/8" to 3/4")

F 758, Type PS 28 or AASHTO 4" to 6" rigid schedule M-278 PVC or SDR35

psi @ 28 days, normal weigh air-entrained; reinforcing to

Slotted or perforated pipe; 3/8" perf. @ 6" on center, 4 holes per row; minimum of 3" of gravel over pipes; not necessary underneath pipes. Perforated pipe shall be wrapped with 1/4-inch galvanized hardware cloth

on-site testing of poured-in-place concrete required:
28 day strength and slump test; all concrete design (cast-in-plac
or pre-cast) not using previously approved State or local
standards requires design drawings sealed and approved by a
professional structural engineer licensed in the State of Marylan

[H-10 or H-20]; allowable horizontal loading (based on soil

pressures); and analysis of potential cracking

Sand substitutions such as Diabase and Graystone (AASHTO)

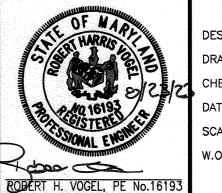
#10 are not acceptable. No calcium carbonated or dolomitic sand substitutions are acceptable. No "rock dust" can be used for sand

esign to include meeting ACI Code 350.R/89; vertical loading

BLOCK: 19 ZONING: R-1 HOWARD COUNTY, MARYLAND **VOGEL ENGINEERING**

TIMMONS GROUP

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RHV
KG
RHV
AUGUST 2023
AS SHOWN
55048

