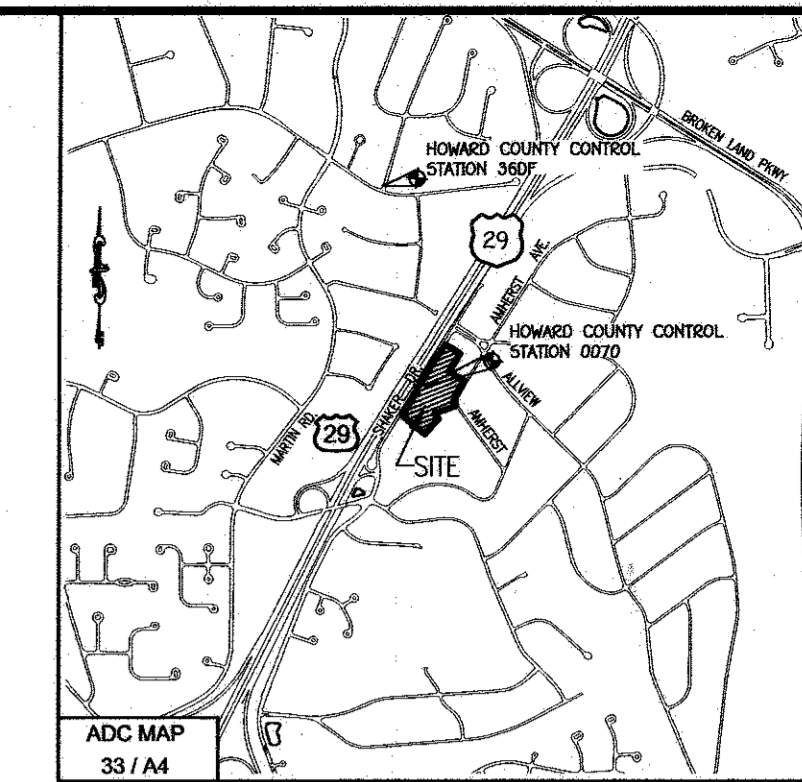
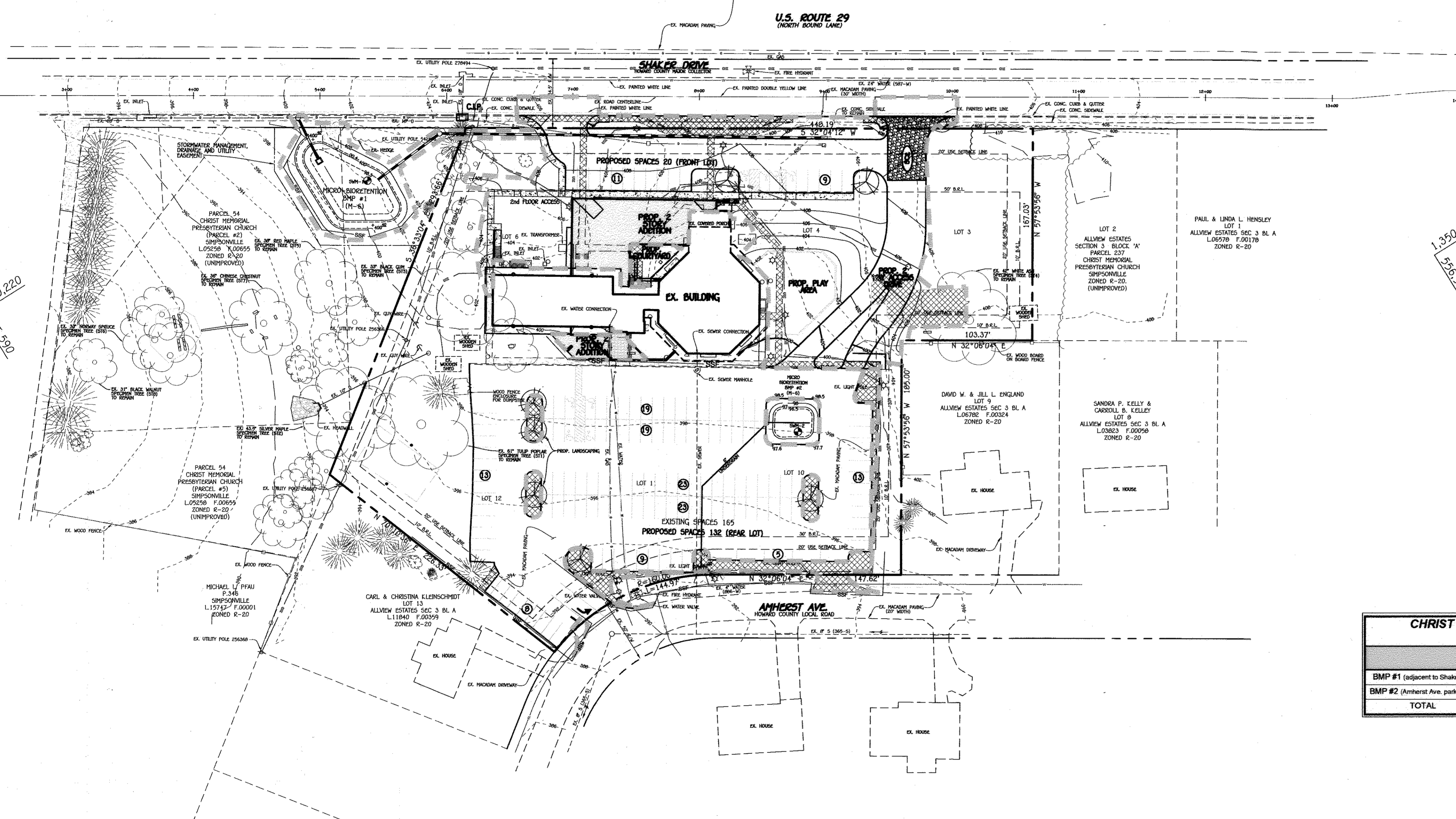


SOILS TABLE			
SYMBOL	NAME	HSG	K
Q/B	Gládestone-Urban Land complex, 0-8% Slopes	A	0.20

HOWARD SCD WEBSITE PAGE 18 OF 29.



VICINITY MAP
SCALE: 1" = 2,000'



GENERAL ECP NOTES

1. Stormwater management has been provided with "ESD to the MEP". Specifically, two (2) micro-bioretenation facilities and existing pavement removal will address the stormwater management for this site. Please refer to the ECP Report prepared by Fisher, Collins & Carter, Inc. dated July 15, 2016 for more information.
2. The Boundary and Topography shown on this plan was field surveyed by Fisher, Collins & Carter, Inc., Ellicott City, MD in April, 2016
3. Howard County approval of this ECP does not guarantee approval of subsequent plans (e.g., subdivision and/or site development plans).
4. Coordinates are based on NAD '83 Maryland coordinates system as projected by Howard County geodetic control stations.
38DF N 558,122,368 E 1,349,924,206 ELEV. 392.348
0070 N 556,041,785 E 1,350,374,704 ELEV. 406.331
5. The Forest Conservation Act 0.3 acre afforestation requirement will be satisfied through the purchase of credit in a County approved Forest Conservation Bank.

* see continued

Design Narrative:

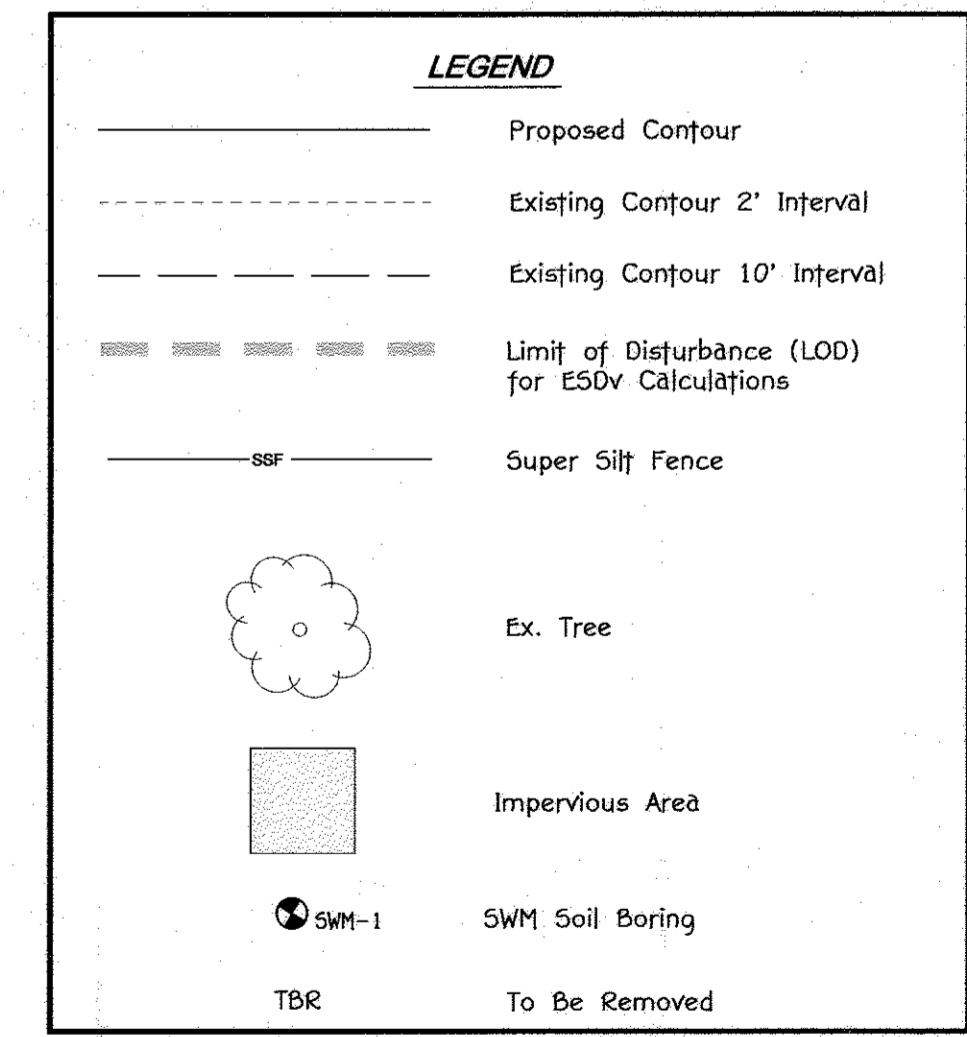
1. Natural Resources Protection Enhancement: The church site does not contain wetlands, floodplains, buffers, forests, or steep slopes. Therefore, these resources are not impacted. Groundwater recharge will be provided and will compensate for the added impervious area.
2. Maintenance of Natural Flow Patterns: There is no significant on-site grading that will alter drainage patterns. Stormwater generally flows to the same location after development as before development. In addition, post-development one (1) year peak flows are not expected to increase after development due to the ESDv in the BMPs.
3. Reduction of impervious areas through better site design, alternative surfaces, non-structural practices: The SWM concept is consistent with ESD practices. The micro-bioretenation BMPs are considered a non-structural practice. In addition, the new building addition and other improvements are partially located on existing impervious areas to reduce impacts. Pavement was removed as it is considered an "ESD" practice.
4. Integration of EASC into SWM strategy: The EASC design will follow HSCD standards & specifications and will meet the goal of keeping sediment from leaving the site. The practices will be integrated in SWM strategy by embracing sheet flow patterns where practicable and is a preferred ESD practice.
5. Implementation of ESD planning techniques and practices: Two (2) micro-bioretenation BMPs are proposed. New development is proposed on partial existing impervious area.

SITE DATA
 Site/Parcel Area: 3.7± acres.
 Wetlands and Wetland Buffers: NONE
 Floodplain: 0.0 acres
 Forests: None
 Steep Slopes: None
 Erodible Soils: None
 Proposed Impervious Area: 0.66 acre
 LOD: 65,340 sf (sum of 7 discrete LOD areas)
 Site Uses: Church Services, Preschool Education, Parking Lot, Volleyball Court, SWM Facilities.
 File References: none known
 Green Open Area: N/A
 Environmental Waivers for Necessary Disturbance: N/A.

General ECP Notes (Cont'd)

6. Approval of this ECP does not constitute an approval of any subsequent and associated subdivision plan, site development plan or future revision. Review of this project for compliance with the Howard County Subdivision and Land Development Regulations shall occur at the subdivision and/or SDC stages and/or future revision process. The applicant and consultant should expect additional and more detailed review comments as the project progresses through the plan review process.

CHRIST MEMORIAL PRESBYTERIAN CHURCH ESD, SUMMARY TABLE		
	Provided (cf)	Required (cf)
BMP #1 (adjacent to Shaker Dr.)	2,087	2,042
BMP #2 (Amherst Ave. parking lot)	753	2,042
TOTAL	2,850	2,042

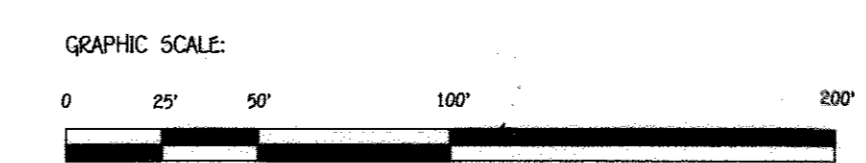


I hereby certify that these documents were prepared under my supervision and that I am a duly licensed professional engineer under State of MD laws. License No. 13,204 w/expiration February 22, 2017

Aldo M. Vitucci
ALDO M. VITUCCI, P.E. MD #20748

1,350,790
555,590

OWNER & DEVELOPER
 CHRIST MEMORIAL PRESBYTERIAN CHURCH
 ATTN: REV. SCOTT W. HOFFMAN
 6410 AMHERST AVENUE
 COLUMBIA, MD 21047
 410.997.8011



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Karl Schleich 9-8-16
Chief, Division of Land Development Date

Chad Edwards 9-28-16
Chief, Development Engineering Division Date

PROJECT	SECTION	PARCEL
CHRIST MEMORIAL PRESBYTERIAN CHURCH	N/A	237

LIBER/FOLIO	GRID	ZONE	TAX./ZONE	ELEC. DIST.	CENSUS TR.
L.565 F.471	0013	R-20	36	6th	

ENVIRONMENTAL CONCEPT PLAN

CHRIST MEMORIAL PRESBYTERIAN CHURCH
 "A RELIGIOUS FACILITY"

6410 AMHERST AVE., Columbia, MD
 Tax Map 36 Parcel 237

6th ELECTION DISTRICT HOWARD COUNTY, MD
 SCALE: 1" = 50' DATE: AUGUST 22, 2016 SHEET 1 of 1

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

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 (410) 461 - 2995