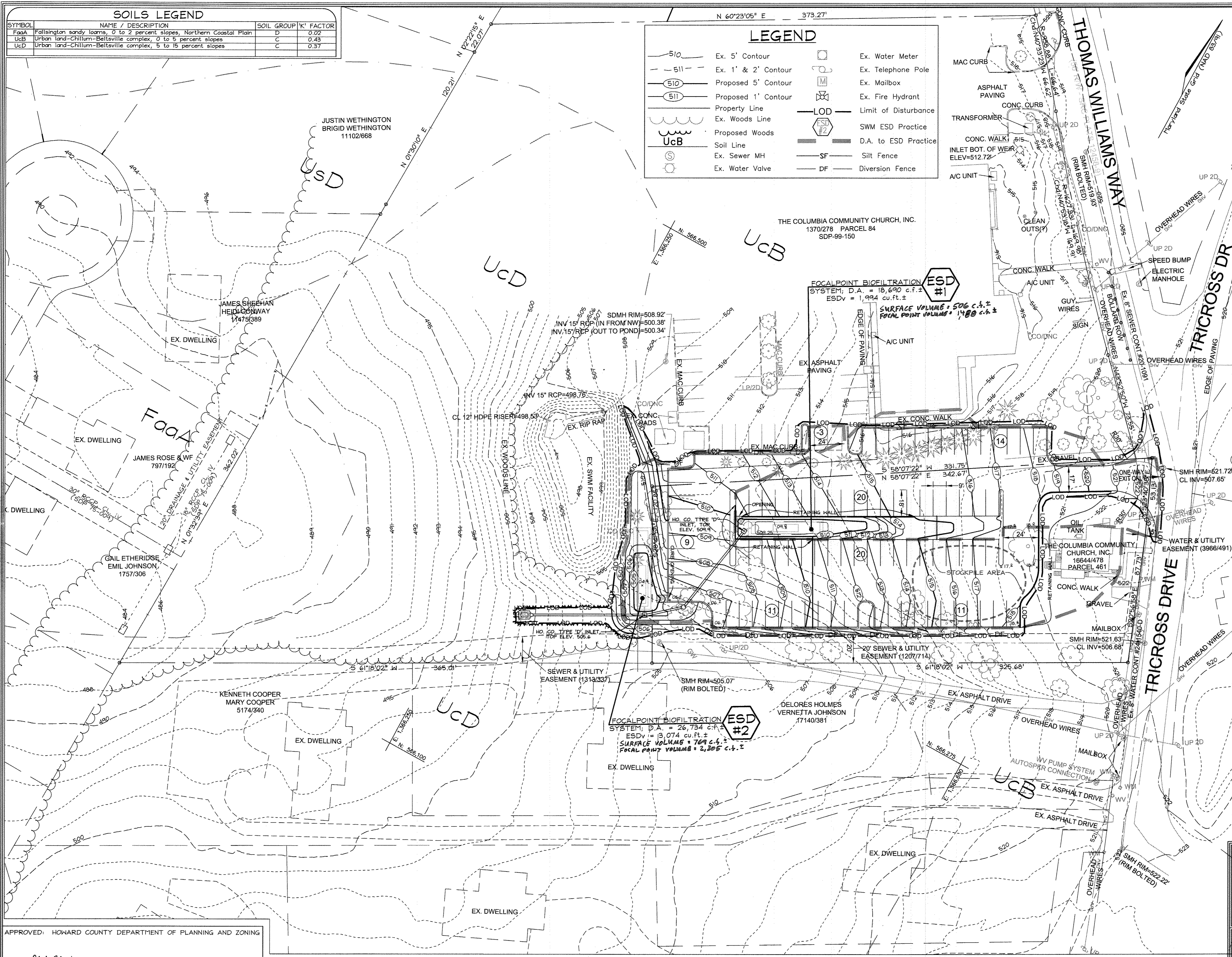


SYMBOL	NAME / DESCRIPTION	SOIL GROUP	K _f FACTOR
FaaA	Fallsington sandy loams, 0 to 2 percent slopes, Northern Coastal Plain	D	0.02
UcB	Urban land-Chillum-Beltsville complex, 0 to 5 percent slopes	C	0.43
UcD	Urban land-Chillum-Beltsville complex, 5 to 15 percent slopes	C	0.37

LEGEND			
510	Ex. 5' Contour	Ex. Water Meter	
511	Ex. 1' & 2' Contour	Ex. Telephone Pole	
(510)	Proposed 5' Contour	Ex. Mailbox	
(511)	Proposed 1' Contour	Ex. Fire Hydrant	
---	Property Line	LOD	Limit of Disturbance
~	Ex. Woods Line	ESD #1	SWM ESD Practice
UcB	Proposed Woods	D.A.	D.A. to ESD Practice
---	Soil Line	SF	Silt Fence
S	Ex. Sewer MH	DF	Diversion Fence
W	Ex. Water Valve		



VICINITY MAP
SCALE: 1" = 2000'
HOWARD COUNTY ADC MAP 16, GRID E5

BENCHMARKS
Denotes Benchmark (Brass or Aluminum Disc set on top of a 3' deep concrete column)
301B-N 1,366,270.807 E 566,937.934 (NAD 83/91) Elev. 526.108 (NGVD 88)
31GB-N 1,367,353.446 E 567,567.474 (NAD 83/91) Elev. 511.318 (NGVD 88)

- GENERAL NOTES**
- Site Data: Property No. 1: Address: 5629 Tricross Drive, Columbia, MD 21045
Libor/Folio: 16644/478
Tax Map 31; Grid 19; Parcel 461; 6th Election District
Area = 1.00 ac.±
 - Property No. 2: Address: 0516 SW Thomas Williams Way, Columbia, MD 21045
Libor/Folio: 1370/278; SDP 99-150
Tax Map 30; Grid 24; Parcel 84 6th Election District
Area = 4.48 ac.± (Ex. Church Parcel, 0.28 ac.± of Disturbed Area to be included within project area)
 - The subject properties are zoned R-12 per the 10/6/13 Comprehensive Zoning Plan.
 - Public water and sewer will be used within this site.
 - There are no floodplains, historic structures or cemeteries on-site.
 - No wetlands or streams were found within the project limits in accordance with a wetland delineation by Exploration Research Inc. (ERI), dated November 11, 2016.
 - This property is subject to the Amended 5th edition of the Howard County Subdivision and Land Development Regulations.
 - Field run boundary and topographic survey prepared by Colbert Matz Rosenfelt, Inc in November, 2016.
 - Forest stand delineation prepared by Exploration Research Inc. in June, 2017.
 - Design Narrative:
 - The onsite natural resources (woods) were conserved to the maximum extent practicable.
 - The existing flow patterns were maintained.
 - Impervious areas were limited to the maximum extent practicable.
 - Minimal erosion and sediment control measures are required for this project. Erosion and sediment control will be achieved through the use of silt fence (SF), super silt fence (SSF), diversion fence (DF) and a Sediment Trap.
 - Stormwater management will be achieved through two FocalPoint Biofiltration facilities.
 - Approval of this ECP does not constitute an approval of any subsequent and associated subdivision plan/plot and/or site development plan and/or red-line revision plan. Review of this project for compliance with the Howard County Subdivision and Land Development Regulations shall occur at the subdivision plan/plot and/or site development plan stages. The applicant and consultant should expect additional and more detailed review comments (including comments that may alter the overall site design) as this process progresses through the plan review process.

STORMWATER MANAGEMENT SUMMARY

SWM Study Area (Total LOD) = 0.99 ac.±
Pe = 2.0"
RCN = 70
Required ESDv = 4,966 cu.ft.±
Provided ESDv = 5,068 cu.ft. (prov'd through two FocalPoint Biofiltration facilities)

- SITE ANALYSIS DATA**
- Total area of site = 1.00 ac.± (Parcel 461) + 0.28 ac.± (Disturbance within Parcel 84) = 1.28 ac.±
 - No wetlands, wetland buffers or streams exist in project area.
 - No 100-year floodplain exists on site.
 - Existing forest area on site = 0.03 ac.
 - No areas of 15-24.9% slopes exist on site.
 - No 25% slopes or greater exist on site.
 - Limits of disturbance = 0.99 ac.±
 - Proposed impervious area = 0.70 ac.±
 - Erodible soils (K > 0.35) = 1.28 ac.±
 - Proposed site use: Parking Lot for Religious Facility

ENVIRONMENTAL CONCEPT PLAN
COLUMBIA COMMUNITY CHURCH

TAX MAP 30/31 GRID 24/19 PARCEL 84/461
6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

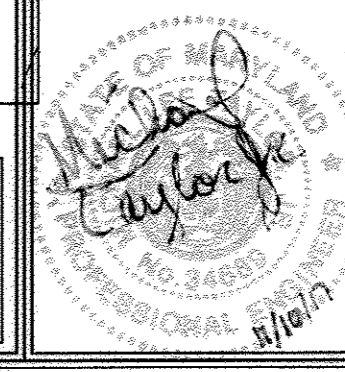
Chad Edmonson
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 12-18

Kate Sledzinski
CHIEF, DIVISION OF LAND DEVELOPMENT
DATE: 12-21-17

PLAN
Scale: 1" = 30'

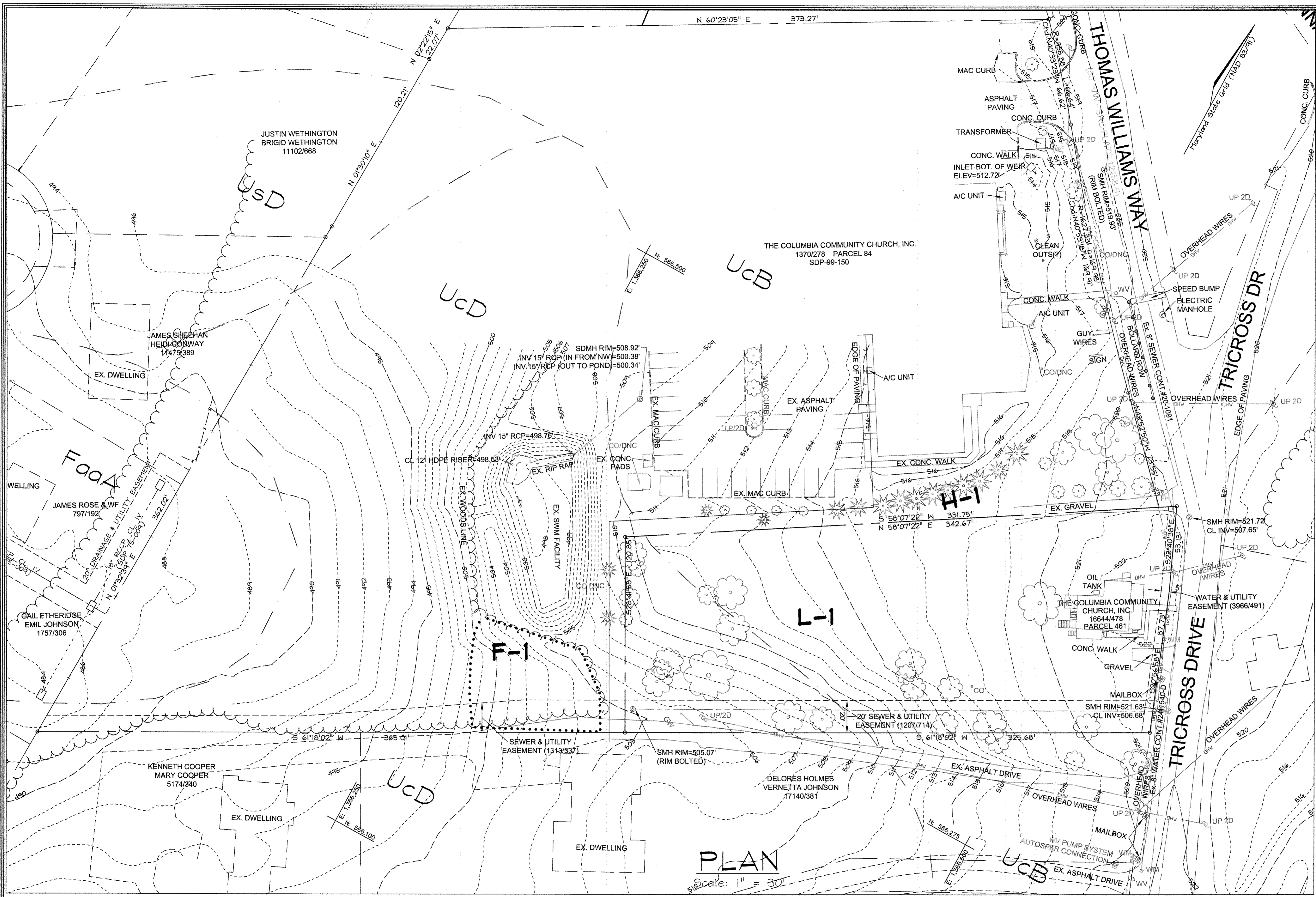
OWNER/DEVELOPER
The Columbia Community Church, Inc.
P/O Box 2292
Columbia, MD 21045-1292
Attn: Rodney Samuel
301-437-1289

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. 434689, Expiration Date: 7/08/2019.



FSH Associates
Engineers Planners Surveyors
8339 Howard Lane, Elkridge, MD 21075
Tel: 410-567-5200 Fax: 410-796-1552
E-mail: info@fisher.com

DESIGN BY: MLT
DRAWN BY: MLT
CHECKED BY: ZYF
SCALE: 1"=30'
DATE: Nov. 10, 2017
W.C. No.: 4010
SHEET No.: 1 OF 2

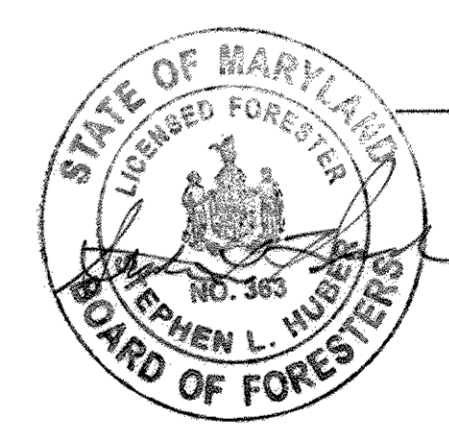


GENERAL NOTES

- Site Data: Property No. 1; Address: 5629 Tricross Drive, Columbia, MD 21045
 Libor/Folio: 16644/478
 Tax Map 31; Grid 19; Parcel 461; 6th Election District
 Area = 1.00 ac.±
 Property No. 2; Address: 8516 SW Thomas Williams Way, Columbia, MD 21045
 Libor/Folio: 1370/278; SDP 99-150
 Tax Map 30; Grid 24; Parcel 84 6th Election District
 Area = 4.48 ac.± (Ex. Church Parcel, 0.28 ac.± of Disturbed Area to be included within project area)
- The subject properties are zoned R-12 per the 10/6/15 Comprehensive Zoning Plan.
- Public water and sewer will be used within this site.
- There are no floodplains, historic structures or cemeteries on-site.
- No wetlands or streams were found within the project limits in accordance with a wetland delineation by Exploration Research Inc. (ERI), dated November 11, 2016.
- This property is subject to the Amended 5th edition of the Howard County Subdivision and Land Development Regulations.
- Field run boundary and topographic survey prepared by Colbert Matz Rosefelt, Inc in November, 2016.
- Forest stand delineation prepared by Exploration Research Inc. in June, 2017.
- Design Narrative:
 - The onsite natural resources (woods) were conserved to the maximum extent practicable.
 - The existing flow patterns were maintained.
 - Impervious areas were limited to the maximum extent practicable.
 - Minimal erosion and sediment control measures are required for this project. Erosion and sediment control will be achieved through the use of silt fence (SF), diversion fence (DF) and a Sediment Trap.
 - Stormwater management has been achieved through two micro-bioretenion ESD facilities.

LEGEND

- Ex. 5' Contour Line
- Ex. 1' Contour Line
- Property Line
- Ex. Woods Line
- Ex. Trees
- UcB — Soil Mapping Unit Limit
- Ex. Sewer MH
- Ex. Water Valve
- Ex. Water Meter
- Ex. Telephone Pole
- Ex. Mailbox
- Existing Fire Hydrant
- Limit of Study/Project Area
- Forest Stand Assessment Limit
- Forest Stand Label



FOREST STAND ANALYSIS TABLE

KEY	TYPE OF COMMUNITY	AREA Acres	SOIL INFORMATION			EXISTING VEGETATION (Type and approx. %)	STAND CHARACTERISTICS			FOREST AREA IN SENSITIVE ENVIRONMENTS	
			SOIL TYPE	TYPICAL FOREST COVER	WOODLAND SUITABILITY INDEX		HABITAT VALUE	SIZE AVG. DIAM	AGE		GENERAL CONDITIONS
F-1	Upland Hardwoods	0.03	UcD	Mixed Hardwoods	70 oaks 70-80 pines	Good	black cherry 50% red maple 40% black locust 10%	6-18 6-18 6-18	60-90	Good	none

FOREST STAND DELINEATION NARRATIVE

This Forest Stand Delineation was prepared in accordance with the Howard County Forest Conservation Manual.

F1 This is an early successional mixed forest that contains a canopy layer that is predominately black cherry and red maple with some black locust. Understory species include oaks, holly, multiflora rose and overstory species saplings. Ground cover is mostly Virginia Creeper and Greenbriar. This stand contains no specimen trees.

L1 Areas of lawn with scattered trees. There are no specimen trees contained in the lawn areas.

H1 Row of White Pine.

SITE ANALYSIS DATA

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- Existing forest area on site = 0.03 ac.
- No areas of 15-24.9% slopes exist on site.
- No 25% slopes or greater exist on site.
- Limits of disturbance = 0.99 ac.±
- Erodible soils ($K > 0.35$) = 0.73 ac.±



Forest Stand Delineation by:
EXPLORATION RESEARCH, INC.
 ENVIRONMENTAL CONSULTANTS
 LANDSCAPE ARCHITECTS
 6330 Howard Lane, Elkridge, MD 21075
 Tel: 410-567-5200 Fax: 410-796-1082
 E-mail: info@eribert.com

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Chad Edelman 1-2-18
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Kathleen L. Smith 12-31-17
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	SOIL GROUP	K' FACTOR
FaaA	Fallsington sandy loams, 0 to 2 percent slopes, Northern Coastal Plain	D	-
UcB	Urban land-Chillum-Beltsville complex, 0 to 5 percent slopes	C	0.43
UcD	Urban land-Chillum-Beltsville complex, 5 to 15 percent slopes	C	0.28

OWNER/DEVELOPER
 The Columbia Community Church, Inc.
 P/O Box 2292
 Columbia, MD 21045-1292
 Attn: Rodney Samuel
 301-437-1289

**FOREST STAND DELINEATION
 COLUMBIA COMMUNITY CHURCH**

TAX MAP 30/31 GRID 24/19 PARCEL 84/461
 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FSH Associates
 Engineers Planners Surveyors

6339 Howard Lane, Elkridge, MD 21075
 Tel: 410-567-5200 Fax: 410-796-1082
 E-mail: info@fsheri.com

DESIGN BY: —
 DRAWN BY: SMM
 CHECKED BY: SLH
 SCALE: 1"=30'
 DATE: June 27, 2017
 H.O. No.: 4010
 SHEET No.: 1 OF 1