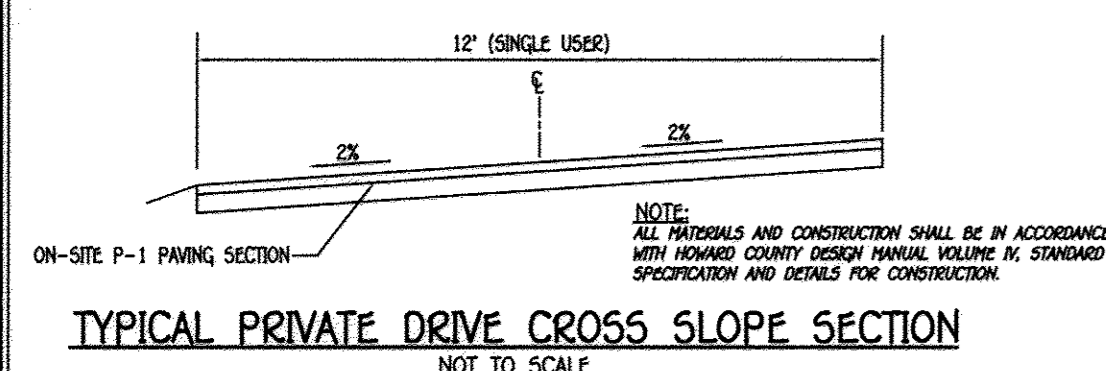
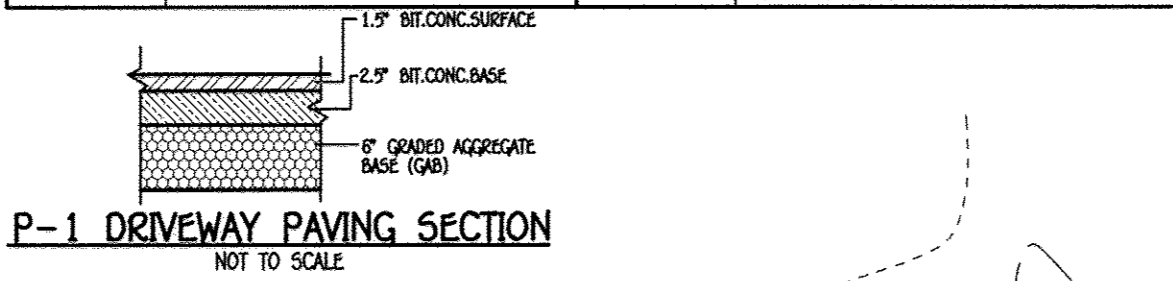


SHEET INDEX	
SHEET NO.	DESCRIPTION
1	SITE DEVELOPMENT PLAN
2	SEDIMENT & EROSION CONTROL NOTES & DETAILS

SOILS LEGEND			
SOIL	NAME	CLASS	K FACTOR
GhB	Glenn-Urbn land complex, 0 to 8 percent slopes	B	0.25
MAC	Manor loam, 8 to 15 percent slopes	B	0.25



LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---	EXISTING 2' CONTOURS	---	PROPOSED CONTOUR
---	EXISTING 10' CONTOURS	+	SPOT ELEVATION
GhB	SOILS LINES AND TYPE	---	LIMITS OF DISTURBANCE
---	EXISTING TREE LINE	---	PROPOSED TREE LINE
---	EXISTING FENCE LINE	SF	SILT FENCE
---	PROPOSED PAVING	ECM	EROSION CONTROL MATTING
---	DRAINAGE AREA DIVIDE	SSR	SUPER SILT FENCE
---	EXISTING TREES	CIP	STABILIZES CONSTRUCTION ENTRANCE
		CIP	CURB INLET PROTECTION

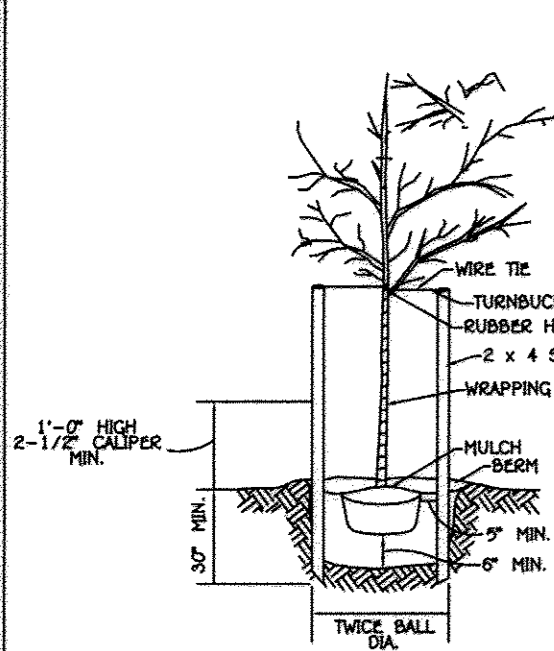
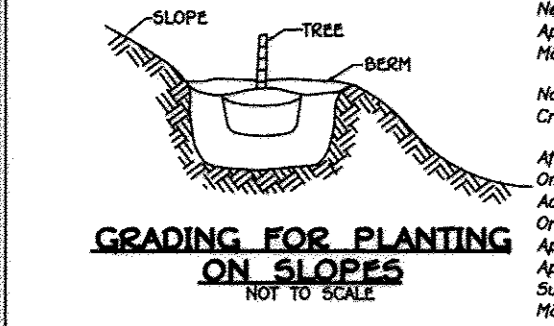
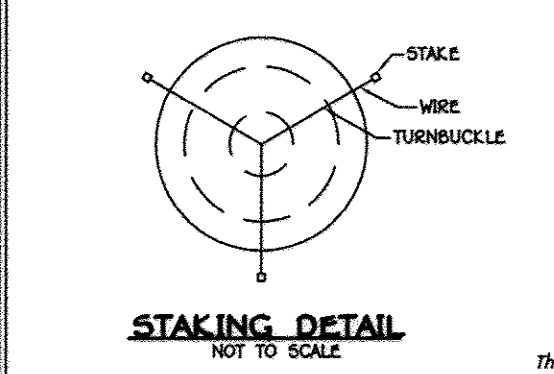


STORMWATER MANAGEMENT PRACTICES					
LOT NO.	ADDRESS	DISCONNECTION OF ROOFTOP RUNOFF (N-1) Y/N	DISCONNECTION OF NON-ROOFTOP RUNOFF (N-2) Y/N	DRY WELLS Y/N	MICRO-BASINIZATION Y/N
7	8250 CHURCH LANE ROAD	YES, 2	YES, 1	YES, 3	NO, 0

STORMWATER MANAGEMENT SUMMARY				DRY WELL CHART			
AREA ID	ESDV ESTABLISHED CULV.	ESDV PROPOSED CULV.	REMARKS	DRYWELL NO.	AREA OF ROOF FEET	VOLUME OF RUNOFF GALLONS	PROPOSED TREATMENT
1	322	600	DRY WELLS (N-1) ROOFTOP DISCONNECTIONS AND DRY WELLS (N-2)	1	372 SQ. FT.	86 C.F.	100% 10' x 5' x 5'
2	342	500	DRY WELLS (N-1) ROOFTOP DISCONNECTIONS AND DRY WELLS (N-2)	2	494 SQ. FT.	117 C.F.	100% 11' x 6' x 5'
3	342	500	DRY WELLS (N-1) ROOFTOP DISCONNECTIONS AND DRY WELLS (N-2)	3	500 SQ. FT.	118 C.F.	100% 11' x 6' x 5'
TOTAL	322	600					

STORMWATER MANAGEMENT NOTES

- STORMWATER MANAGEMENT IS PROVIDED IN ACCORDANCE WITH CHAPTER 5, ENVIRONMENTAL SITE DESIGN OF THE 2007 HANDBOOK FOR STORMWATER MANAGEMENT DESIGN MANUAL, EFFECTIVE MAY 4, 2010.
- HANDBOOK CONTRIBUTING ROOF TOP AREA TO EACH DOWNSPOUT SHALL BE 1,000 SQ. FT. OR LESS.
- DRYWELLS SHALL BE PROVIDED AT LOCATIONS WHERE THE LENGTH OF DISCONNECTION IS LESS THAN 15' AS THE SIZE AND CONSTRUCTION OF THE DRYWELL SHALL BE IN ACCORDANCE WITH THE DETAIL SHOWN ON THIS SHEET.
- FINAL GRADING IS SHOWN ON THIS SITE DEVELOPMENT PLAN.



LANDSCAPE NOTES

The Owner, Tenants And/OR Their Agents Shall be Responsible For Maintenance of the Landscaping including Both Plant Materials and Berms, Fences and Walls. All Plant Materials Shall be Maintained in Good Growing Conditions, And When Necessary, Replaced with New Materials to Ensure Continued Compliance with Applicable Regulations. All Other Required Landscaping Shall be Permanently Maintained in Good Condition, And When Necessary, Repaired or Replaced.

No Clearing of Existing Vegetation is Permitted Within the Landscape Edge For Which Credit is Being Taken; However, Landscape Maintenance is Authorized.

At the Time of Plant Installation All Shrubs and Trees Listed And Approved in the Landscape Plan, Shall Comply with The Proper Height Requirement in Accordance with The Howard County Landscape Manual. In Addition, No Substitutions or Reductions of the Required Plantings May be Made Without Prior Review And Approval from The Department of Planning and Zoning. Any Deviation from The Approved Landscape Plan May Result in Denial Or Delay in the Release of Landscape Survey Until Such Time As All Required Materials are Planted And/or Deviation are Made to Applicable Plans or Certificates.

Developer's/Builder's Certificate

I/We certify that the landscaping shown on this plan will be done according to Section 16.124 of the Howard County Code and the Howard County Landscape Manual. I/We further certify that upon completion a letter of notice of landscape installation accompanied by an executed one year guarantee of plant materials will be submitted to the Department of Planning and Zoning.

[Signature] 10/3/16
Developer/Builder Date

SCHEDULE A - PERIMETER LANDSCAPE EDGE	
PERIMETER CATEGORY	ADJACENT TO PROPERTY
LANDSCAPE TYPE	N/A
LINEAR FEET OF PERIMETER	\$30.00 L.F.
NUMBER OF PLANTS REQUIRED	2
CREDIT FOR EXISTING VEGETATION	N/A
NUMBER OF PLANTS PROVIDED	0
NUMBER OF PLANTS SUBSTITUTED	0
NUMBER OF PLANTS EVERGREENS	0

A TOTAL SURVEY FOR 4 EVERGREEN TREES @ \$150/EA CH = \$600.00 IS PROVIDED WITH THE GRADING PERMIT.

LANDSCAPING PLANT LIST			
QTY.	KEY	NAME	SIZE
4	(Symbol)	OPPRESSORPANS LILIANA (LEAFY SPRUCE)	5'-6" HT

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURVEY FOR THE REQUIRED 4 EVERGREEN TREES IN THE AMOUNT OF \$600.00 IS PART OF THE BUILDER'S WITH GRADING PERMIT APPLICATION.

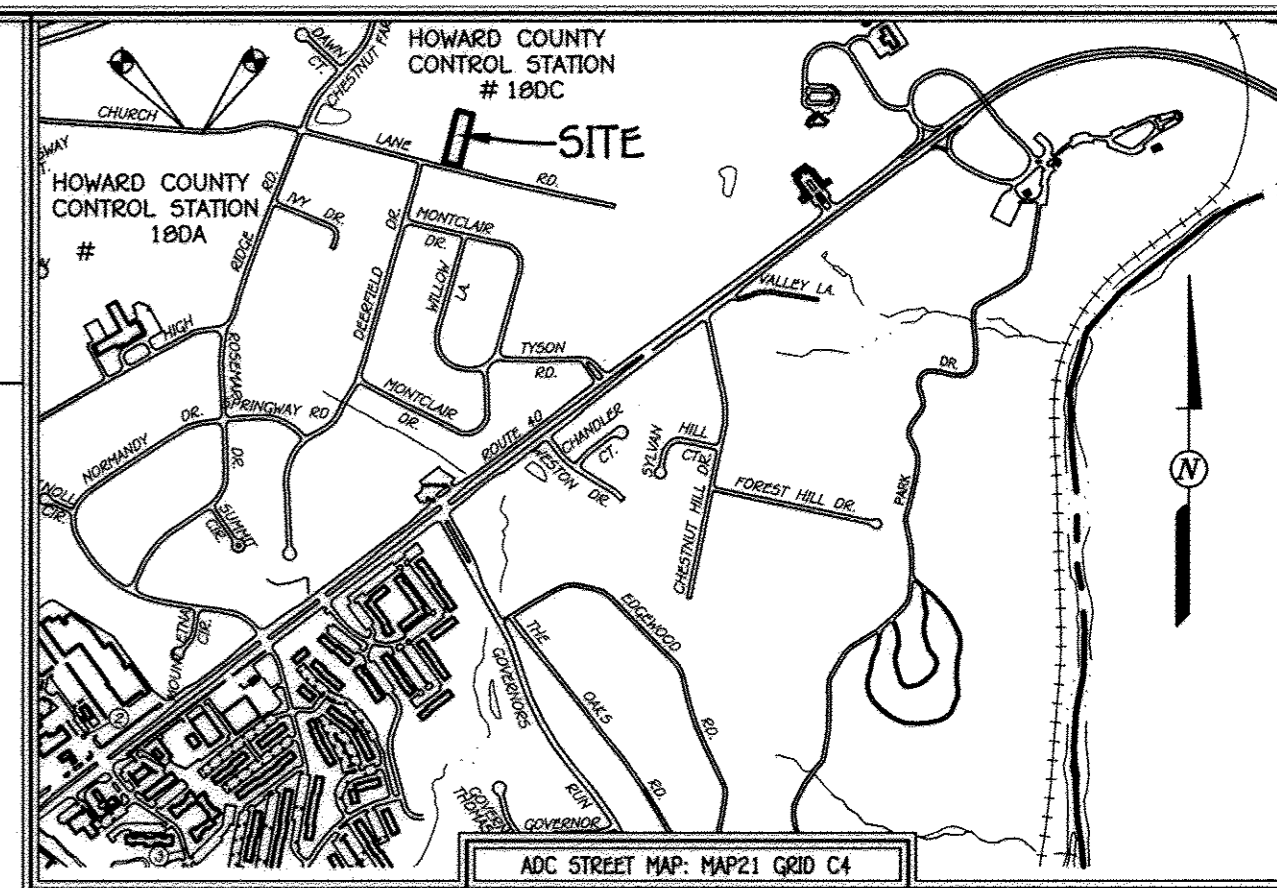
SITE ANALYSIS DATA CHART

- TOTAL AREA OF THIS SUBMISSION = 33,000 SQ. FT. OR 0.758 AC.
- LIMIT OF DISTURBED AREA = 23,027 SQ. FT. OR 0.53 AC.
- PRESENT ZONING DESIGNATION = R-20 (PER 10/06/2013 COMPREHENSIVE ZONING PLAN)
- PROPOSED USE: RESIDENTIAL
- PREVIOUS HOWARD COUNTY FILES: F-06-09, F-07-148 F-09-118, & ECP-16-045.
- TOTAL AREA OF FLOODPLAIN LOCATED ON-SITE = 0.00 AC.
- TOTAL AREA OF MODERATE STEEP SLOPES (15% TO 24.9%) = 0.00 AC.
- TOTAL AREA OF STEEP SLOPES (25% OR GREATER) = 0.00 AC.
- TOTAL AREA OF WETLANDS (INCLUDING BUFFER) = 0.00 AC.
- TOTAL AREA OF STREAM (INCLUDING BUFFER) = 0.00 AC.
- TOTAL AREA OF EXISTING FOREST = 0.00 AC.
- TOTAL GREEN OPEN AREA = 0.64 AC.
- TOTAL IMPERVIOUS AREA = 0.11 AC.
- TOTAL AREA OF RESIDUE SOLES = 0.00 AC.
- TOTAL AREA OF ROAD DEDICATION = 0.00 AC.
- TOTAL PARKING AREA REQUIRED = 2.5 SPACES
- TOTAL PARKING AREA PROVIDED = 4 SPACES

BENCHMARK INFORMATION

180C - HOWARD COUNTY CONTROL STATION #180C - HORIZONTAL - NAD '83
N 993,293.581
E 1,367,675.675
ELEVATION = 485.474 - VERTICAL - (NAVD '86)

180A - HOWARD COUNTY CONTROL STATION #180A - HORIZONTAL - (NAD '83)
N 993,334.391
E 1,367,682.291
ELEVATION = 483.150 - VERTICAL - (NAVD '86)

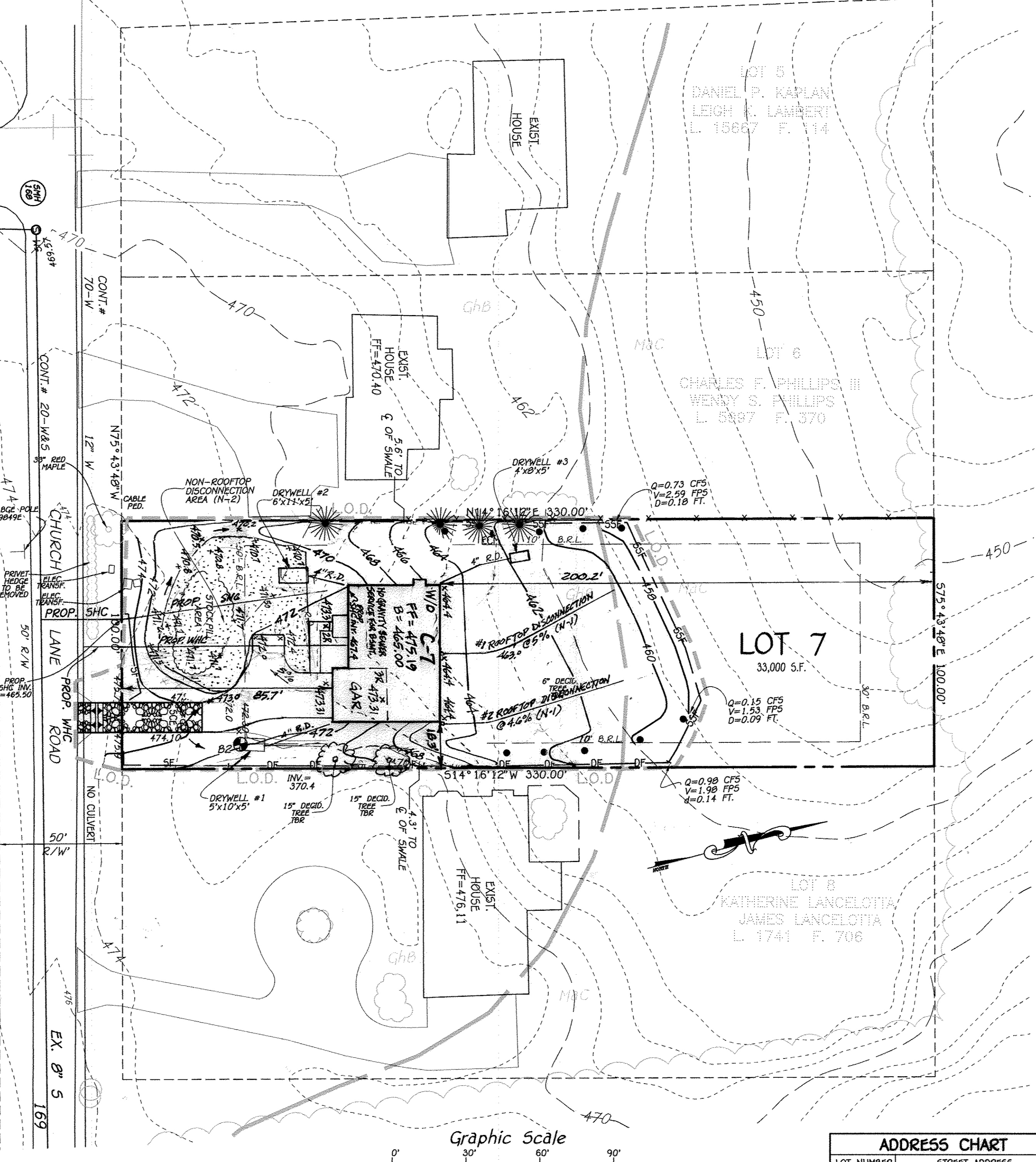
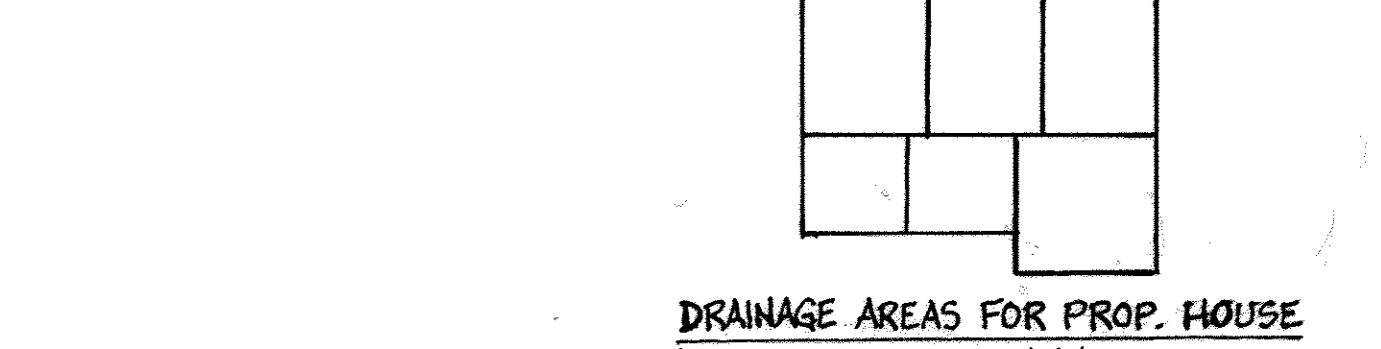


General Notes:

- SUBJECT PROPERTY IS ZONED R-20 PER THE COMPREHENSIVE ZONING PLAN DATED 10/06/13.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT 410-315-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY (MISS UTILITY) AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- BOUNDARY SHOWN HEREON IS BASED ON RECORD PLAT NO. 0959, RECORDED ON APRIL 24, 1999. PROPERTY CORNERS LOCATED & VERIFIED, AND TOPOGRAPHY OBTAINED BY FIELD SURVEY BY FISHER, COLLINS, & CARTER, INC. ON JANUARY 21, 2016.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON NAD 83 COORDINATE SYSTEM, HOWARD COUNTY CONTROL STATION NOS. 180C & 180A.
- PREVIOUS DEP. FILE NUMBERS: WP-88-09, F-07-148, F-09-118, & ECP-16-045.
- STORMWATER MANAGEMENT IS IN ACCORDANCE WITH THE M.D.E. STORM WATER DESIGN MANUAL, VOLUMES I & II, (EFFECTIVE OCTOBER 2000, REVISED MAY 2009).
- THIS PROPERTY IS LOCATED INSIDE THE METROPOLITAN DISTRICT. LOT IS TO BE SERVED PUBLIC WATER AND PUBLIC SEWER. CONTRACT NOS. 70W AND W&S 20. WATER & SEWER CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 16.122B OF THE HOWARD COUNTY CODE. IF CAPACITY IS AVAILABLE AT THAT TIME, SEWER AND WATER CONNECTIONS WILL APPLY FOR FOLLOWING SDP APPROVAL. SEWER HOUSE CONNECTION (SHC) MUST BE INSTALLED AT A 2% SLOPE UNLESS NOTED OTHERWISE.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- NO 100 YEAR FLOODPLAIN, WETLANDS, STREAMS, AND/OR THEIR BUFFERS, NOR STEEP SLOPES EXIST ON-SITE.
- NO FOREST STANDS EXIST ON-SITE. SEE ENVIRONMENTAL FINDINGS LETTER PREPARED BY ECO-SCIENCE PROFESSIONALS, INC. DATED FEB. 5, 2016.
- THIS PLAN IS IN COMPLIANCE WITH THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- THIS PROJECT IS EXEMPT FROM FOREST CONSERVATION IN ACCORDANCE WITH SECTION 16.1202(b)(1)(ii) SINCE THE LOT IS LESS THAN 40,000 S.F., THE MINIMUM SIZE.
- SOE BARRIERS WILL BE REQUIRED FOR THE PROPOSED STORMWATER MANAGEMENT DEVICES.
- NO STRUCTURES EXIST ON THIS PROPERTY.
- B.L. DENOTES BUILDING RESTRICTION LINE.
- ALL AREAS ARE MORE OR LESS LEVEL.
- ALL DISTANCES SHOWN ARE BASED ON SURFACE MEASUREMENT AND NOT REDUCED TO THAT PLAT 360 MEASUREMENT.
- NO APFO TRAFFIC REPORT OR NOISE STUDY IS REQUIRED.
- NO NOISE REPORT OR HISTORIC STRUCTURES EXIST WITHIN THE LIMITS OF THIS PLAT SUBMISSION.
- NO COMMUNITY MEETING WAS NOT REQUIRED AT TIME OF SUBMISSION.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

STATE HIGHWAY ADMINISTRATION 410.531.5533
BGE(CONTRACTOR SERVICES) 410.850.4620
BGE(UNDERGROUND DAMAGE CONTROL) 410.787.5088
MISS UTILITY 1.800.257.7777
COLONIAL PIPELINE COMPANY 410.795.1390
HOWARD COUNTY DEPT. OF PUBLIC WORKS, BUREAU OF UTILITIES 410.313.6900
HOWARD COUNTY HEALTH DEPARTMENT 410.313.2640
ATA 410.292.1133
WIRECON 1.800.743.0033/410.824.9810

- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY IN ADDITION TO MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- THE PROJECT IS IN COMPLIANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVED HAVE BEEN APPROVED.
- EXISTING UTILITIES ARE LOCATED BY THE USE OF ANY OR ALL OF THE FOLLOWING: ROAD CONSTRUCTION PLANS, FIELD SURVEYS, PUBLIC PLANS AND OTHER AVAILABLE RECORD DRAWINGS, AND MISS UTILITY MARKINGS. APPROXIMATE LOCATION OF THE EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTOR'S INFORMATION. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- ESTIMATES OF EARTHWORK QUANTITIES ARE PROVIDED SOLELY FOR THE PURPOSE OF CALCULATING FEES.
- IN ACCORDANCE WITH SECTION 16.08 OF THE HOWARD COUNTY ZONING REGULATIONS, BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACKS, PORCHES OR DECKS. OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACK.
- DRIVEWAY FOR LOT 7 SHALL BE PROVIDED IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAIL R-6.06 IN THE VOL. IV DESIGN MANUAL.
- SOILS SHOWN HEREON ARE BASED ON THE HRC'S WESSOLD SURVEY AND HOWARD COUNTY SOILS MAP #17.
- LIMIT OF DISTURBANCE: 23,027 SQ. FT. OR 0.53 ACRES.
- DEVELOPMENTS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
WIDTH - 12' (16' SERVING MORE THAN ONE RESIDENCE)
SURFACE - 6" OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1 1/2" MIN) GEOMETRY - MAX. 15% GRADE, MAX. 10% GRADE CHANGE AND MIN. 45' TURNING RADIUS
STRUCTURE (CULVERTS/BARRIERS) - CAPABLE OF SUPPORTING 25 GROSS TONS (125 TONS LOADING)
DRAINAGE ELEMENTS - SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE
MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURVEY FOR THE REQUIRED 4 EVERGREEN TREES IN THE AMOUNT OF \$600.00 IS PART OF THE BUILDER'S WITH GRADING PERMIT APPLICATION.



ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
7	8250 CHURCH LANE ROAD

OWNERS
JAMES & KATHERINE LANCILOTTA
8244 CHURCH LANE ROAD
ELLIOTT CITY MD 21043
C/O JIM GREENFIELD
(443) 324-4732

BUILDER
COLUMBIA BUILDERS INC.
C/O JAMES GREENFIELD
6420 AUTUMN SKY WAY
COLUMBIA, MD 21044
(443) 324-4732

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 1872 BALDORP NATIONAL FLD.
ELLIOTT CITY, MARYLAND 21042
(410) 461 - 2995

NO.	REV. TO	REVISION	DATE
1	REV. TO C-7 HOUSETYPE		11/16/17

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 10/4/16
Howard SCD Date

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. 20748, EXPIRATION DATE: 02/29/2017.

[Signature] 10/16/16
DATE

BUILDER/DEVELOPER'S CERTIFICATE
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, FOR SEDIMENT AND EROSION CONTROL, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGGING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 10/3/16
SIGNATURE OF DEVELOPER DATE

ENGINEER'S CERTIFICATE
I/WE CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 10/16/16
SIGNATURE OF ENGINEER DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] 10-19-16
Director - Department of Planning and Zoning Date

[Signature] 10-18-16
Chief, Division of Land Development Date

[Signature] 10-12-16
Chief, Development Engineering Division Date

DEED	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
1741/706	13	R-20	18	SECOND	602600

TITLE SHEET

SITE DEVELOPMENT PLAN
CHURCH RIDGE
LOT 7
ZONED R-20

TAX MAP No. 18 GRID No. 13 PARCEL No. 33
SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: AUGUST 11, 2016
SHEET 1 OF 2

SOP-16-076

