# SEWER ARE PUBLIC. CONTRACT #34-4090-D AND 34-4613-D. EXISTING UTILITIES ARE BASED ON FIELD SURVEY LOCATIONS, CONTRACT DRAWINGS AND HOWARD COUNTY GIS FOR OFFSITE UTILITIES. STORMWATER MANAGEMENT FOR THESE LOTS IS PROVIDED IN ACCORDANCE WITH THE STORMWATER MANAGEMENT ACT OF 2007. ENVIRONMENTAL SITE DESIGN HAS BEEN IMPLEMENTED TO THE MAXIMUM EXTENT PRACTICAL BY THE USE OF ESD FACILITIES. ALL ESD PRACTICES SHALL BE PRIVATELY OWNED AND MAINTAINED, AND SHALL BE SUBJECT TO THE REQUIREMENTS AND RESTRICTION OF A RECORDED A NOISE STUDY HAS BEEN PREPARED BY THE MARS GROUP IN 2014. 10. TRAFFIC STUDY AND SPEED STUDY WERE PREPARED BY THE MARS GROUP IN APRIL, 2015. THE FOREST STAND DELINEATION AND WETLAND DELINEATION WERE PERFORMED BY ECO-SCIENCE PROFESSIONALS, INC. IN APRIL, 2015. 12. THERE ARE NO HISTORIC STRUCTURES LOCATED ON THIS SITE. 13. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO CEMETERIES. 14. PREVIOUS DPZ FILES: ECP-15-066, S-15-006, WP-16-009, WP-16-070. 15. THIS PROJECT COMPLIES WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION WITH ON-SITE RETENTION AND OFF-SITE BANKING. 1.24 ACRES WILL BE RETAINED ONSITE AND THE REFORESTATION OBLIGATION OF 0.60 ACRES WILL BE MET WITHIN EXISTING FOREST BANKS. 0.21 ACRES WILL BE PLACED AT PARK OVERLOOK, F-13-093 AND 0.39 ACRES WILL BE PLACED AT TALLY PARCEL 2, USING A PORTION OF THE REMAINING FOREST ESTABLISHED FOR KINDLER OVERLOOK, F-03-007. 16. THERE ARE STEEP SLOPES (25% AND GREATER), WETLANDS, STREAMS AND THEIR BUFFERS, FLOODPLAIN AND FOREST CONSERVATION EASEMENT AREAS WITHIN THE OPEN SPACE AREA OF THE SITE, TO BE DEDICATED TO HOWARD COUNTY RECREATION AND PARKS, NO GRADING REMOVAL OF VEGETATIVE COVER OR TREES. PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE LIMITS OF STEEP SLOPES, WETLANDS, STREAM, FOREST CONSERVATION EASEMENTS OR THEIR MIHU REQUIREMENTS WILL BE ADDRESSED BY FEE-IN-LIEU. 18. THE LANDSCAPING FOR THIS PROJECT IS SHOWN WITHIN THESE SUPPLEMENTAL PLANS, AND HAS BEEN DESIGNED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. SURETY SHALL BE PROVIDED WITH THE GRADING PERMIT, IN THE AMOUNT OF \$2550.00 FOR 6 SHADE TREES, ONE EVERGREEN TREE AND TWO MITIGATION TREES. 19. THERE IS ONE EXISTING DWELLING AND OUTBUILDINGS ON THIS PROPERTY. ALL EXISTING STRUCTURES ARE TO BE DEMOLISHED PRIOR TO RECORDATION OF THE SUBDIVISION PLAT 20. THE DEVELOPER SHALL PROPERLY ABANDON THE EXISTING WELL AND SEPTIC PER THE HEALTH DEPARTMENT REQUIREMENT BEFORE THE RECORDATION OF THE SUBDIVISION PLAT. WELL ABANDONMENT MUST BE DONE BY A LICENSED WELL DRILLER. DRIVEWAYS 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: (a) WIDTH - 12' (16' SERVING MORE THAN ONE RESIDENCE) ) SURFACE - 6" OF COMPACT CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1/2"MIN.) GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM 45' TURNING (d) STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 (e) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOODPLAIN WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY. (f) STRUCTURE CLEARANCES - MINIMUM 12 FEET. (g) MAINTENANCE — SUFFICIENT TO INSURE ALL WEATHER USE 22. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE. 23. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT 410-313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF ANY WORK. 24. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR 25. THERE IS NO 100-YEAR FLOODPLAIN ON THIS PROJECT 26. WP-16-009 WAS APPROVED AUGUST 13, 2005 TO ALLOW THIS PROJECT TO WAIVE PRELIMINARY PLAN SUBMISSION AS SPECIFIED IN SECTION 16.146 AND PROCEED TO FINAL PLAT WITH SUPPLEMENTAL PLANS. THE WAIVER WAS SUBJECT TO SUBMISSION OF A FINAL PLAT APPLICATION ASSOCIATED WITH KINDLER OVERLOOK III" WITHIN 4 MONTHS OF WAIVER APPROVAL, ON OR BEFORE 27. OPEN SPACE LOT 9 SHALL BE DEDICATED TO HOWARD COUNTY, MARYLAND AND MAINTAINED BY THE YHOWARD DEPARTMENT OF RECREATION AND PARKS. 28. THE FOREST STAND DELINEATION AND WETLAND DELINEATION WERE PERFORMED BY ECO-SCIENCE PROFESSIONALS, INC. IN APRIL, 2015, AND THE REPORT WAS UPDATED JUNE 11, 2015. 29. WP-16-070 WAS APPROVED JANUARY 4, 2016, TO SECTION 16.1205(a)(7) AND 16.1205(a)(10) TO ALLOW REMOVAL OF SPECIMEN TREE #1, SUBJECT TO THE FOLLOWING CONDITIONS: WAIVER APPROVAL IS LIMITED TO THE REMOVAL OF SPECIMEN TREE #1. ANY PROPOSAL TO REMOVE OTHER SPECIMEN TREES WILL REQUIRE A NEW WAIVER REQUEST. A PHOTOGRAPH OF THE AFFECTED TREE SHALL BE PROVIDED FOR THE OFFICIAL WAIVER FILE. A MINIMUM OF 2 ADDITIONAL, NATIVE, 2—3" CALIPER TREES SHALL BE PROVIDED ON SITE AS PART OF THE MITIGATION FOR THE SPECIMEN TREE REMOVAL. THIS MITIGATION WILL BE ADDRESSED IN KINDLER OVERLOOK III AND WILL BE IN ADDITION TO ANY REQUIRED LANDSCAPE OR FOREST CONSERVATION PLANTINGS. THE MITIGATION WILL BE SHOWN ON THE LANDSCAPE PLAN AND SURETY FOR THE ADDITIONAL TREES WILL BE REQUIRED AS PART OF THE FINAL PLAN. INDIVIDUAL TREE PROTECTIVE DEVICES (TREE FENCING) SHALL BE PLACED COMPLETELY AROUND SPECIMEN TREES #2, #3, #8 #9 AND SPECIMEN TREE #13 PRIOR TO ANY GRADING. THIS SHALL BE OUTLINED IN THE PRE—CONSTRUCTION MANAGEMENT OF THE FINAL FOREST CONSERVATION PLAN AND WITHIN THE SEQUENCED OF CONSTRUCTION PROVIDE ON THE FINAL CONSTRUCTION PLANS, 30. PRIVATE ACCESS EASEMENTS TO BENEFIT PARCEL 313, RECORDED IN L. 973 F. 591 WERE ABANDONED IN AN AGREEMENT DATED JULY 15, 2016 AND RECORDED JULY, 2016. THE RECORDING REFERENCE WILL BE PROVIDED ON THE RECORD PLAT. NON-BUILDABLE BULK PARCEL 'A' WILL BE CONVEYED TO PARCEL 313 AFTER THE RECORDATION OF PLAT F-16-049.

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, BUREAU OF HIGHWAYS

CHIEF, DIVISION OF LAND DEVELOPMENT

CHIEF, DEVELOPMENT ENGINEERING DIVISION

8119116

826.16

JAM DATE:

8.25.14

4. OPEN SPACE DATA

MINIMUM RESIDENTIAL LOT SIZE ..

OPEN SPACE REQUIRED (10% OF 5.18 Ac.) ...... 0.52 Ac.±

AREA OF PROPOSED OPEN SPACE LOTS ...... 1.60 Ac.±

AREA OF CREDITED OPEN SPACE PROVIDED ...... 1.60 Ac.±

AREA OF PROPOSED NON-CREDITED O.S. LOTS ...... 0.00

( IN FEET )

1 inch = 50 ft.

# GENERAL NOTES THIS PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVERS SUBJECT PROPERTY ZONED R-20 PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN. THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD SURVEY WITH 2 FOOT CONTOUR INTERVALS THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENTS NO. 41EC AND 41FA WERE USED FOR THIS PROJECT. PROJECT BOUNDARY IS BASED ON A FIELD RUN BOUNDARY SURVEY PERFORMED BY BENCHMARK THIS PROPERTY WAS ACCEPTED TO THE METROPOLITAN DISTRICT JANUARY 11, 2016; WATER AND

SHEET INDEX DESCRIPTION EXISTING TOPOGRAPHY, SOILS, LOT LAYOUT AND LANDSCAPE PLAN STORMWATER MANAGEMENT PLAN, NOTES AND DETAILS STORMWATER MANAGEMENT PLAN, NOTES AND DETAILS 4 MASS GRADING, SEDIMENT CONTROL PLAN, NOTES AND DETAILS 5 FOREST CONSERVATION PLAN

	ON-LOT SWM PRAC	TICES	
LOT NO.	ADDRESS	MICRO-BIORETENTION FACILITY (M-6)	DRY-WELLS (M-5)
1	KINDLER OVERLOOK DRIVE	1	
2	KINDLER OVERLOOK DRIVE	1	
3	KINDLER OVERLOOK DRIVE	1	
4	KINDLER OVERLOOK DRIVE	. 1	
5	KINDLER OVERLOOK DRIVE	1	
6	KINDLER OVERLOOK DRIVE	1	
7	KINDLER OVERLOOK DRIVE	1	1
8	KINDLER OVERLOOK DRIVE	1	1

KINDLER OVERLOOK III LOTS 1 THRU 8, OPEN SPACE LOT 9 AND NON-BUILDABLE BULK PARCEL 'A' FINAL CONSTRUCTION PLANS

BENCH MARKS-(NAD'83) ELEV. 430.34 STAMPED DISC SET ON TOP OF APPLIED PHYSICS LAB. 3' DEEP COLUMN OF CONCRETE N 543,588,8040 E 1.342,628,7800 HO.CO. 41FA ELEV. 407.60 STAMPED DISC SET ON TOP OF 3' DEEP COLUMN OF CONCRETE N 545210.7590' E 1344786.9530' HO.CO. ADC MAP: 32 VICINITY MAP

GRID: E8

PRUNE 1/3 LEAF AREA, BUT RETAIN NATURAL FORM

2-2"x2" OAK STAKES, NOTCH

DEVELOPER'S/BUILDER'S CERTIFICATE

				I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE—YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.
EXISTING WALL	336	US 29 PRINCIPAL ARTERIAL VARIABLE R/W	13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	DEVELOPMENT PARTNERS, LLC  TABLE 200 Min 200 M
EX. 16" DIP W CONT. 44-3868		OLD COLUMBIA ROAD  PUBLIC ACCESS STREET		EXISTING CONTOURS PROPOSED CONTOURS EXISTING TREELINE SOIL DELINEATION AND GROUP
	ATE HIGHWAY MINISTRATION LATE 55:257 DNED R-20	STATE NYW		SOIL DELINEATION AND GROUP  EXISTING STREET TREE PER F-07-003  SLOPES >25%
100'	STREAM BUFFER 6 348		310	SLOPES 15% - 25%  WETLANDS  ST-5 EXISTING SPECIMEN TREE
338 340 340 328 328	OF ALMAGE STREAM	PROPERTY OF THE PROPERTY OF TH	25%	CRITICAL ROOT ZONE TREE PROTECTION FENCE PUBLIC FOREST CONSERVATION
PEREN	INIAL DRAINAGE  EAM DERPETUAL DRAINAGE  FASEMENT 55287  OF L SHA PLAT 15385  LIMIT OF WEFLANDS  WEFLANDS	MTERMITIENT NOU HAS LAX STATES OF SOIL SOIL SOIL SOIL SOIL SOIL SOIL SOIL	3-11-2-5	LANDSCAPING NOTES  1) PERIMETER LANDSCAPING SHALL BE PROVIDED BY THE DEVELOPER AS SHOWN ON
18.46 19.05 10.05 10.05 10.05 10.05 10.05 10.05 10.05 10.05 10.05	MOS DE LA CONTRACTION DE LA CO	FOREST CONSERVATION EASEMENT 1.25 CRES (RETENTION)	The way of	THESE PLANS.  2) TREES MUST BE A MINIMUM OF FOUR(4) FEET FROM PAVEMENT AND MUST BE A MINIMUM OF FIVE(5) FEET FROM ANY STORM DRAIN, IF APPLICABLE.  3) TREE MUST BE PLANTED A MINIMUM OF TEN (10) FEET FROM A DRIVEWAY APRON.  4) THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SEC.—16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.  5) THIS LANDSCAPE PLAN IS IN ACCORDANCE WITH SECTION 16.124 OF HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. SURETY IN THE AMOUNT OF
311 SF TO BE	0) STELAM BUFFER	OPEN SPACE LOT 9 TO BE DEDICATED TO HOWARD COUNTY RECREATION AND	M dD B SOIL EXISTING	\$2550.00 FOR 6 SHADE TREES, ONE EVERGREEN TREE AND 2 MITIGATION TREES IS REQUIRED TO BE POSTED WITH THE GRADING PERMIT.  6) ONE SPECIMEN TREE HAS BEEN IDENTIFIED FOR REMOVAL ON THIS PLAN (ST-1). IF ANY CONSTRUCTION IS EXPECTED TO IMPACT THE CRITICAL ROOT ZONE OF ANY SPECIMEN TREES, ROOT PRUNING ALONG THE PROPOSED LIMITS OF DISTURBANCE SHALL BE PROVIDED TO REDUCE IMPACTS.  7) SHOULD ANY TREE DESIGNATED FOR PRESERVATION FOR WHICH LANDSCAPING CREDIT IS GIVEN, DIE PRIOR TO RELEASE OF BONDS, THE OWNER WILL BE REQUIRED TO REPLACE THE TREE WITH THE EQUIVALENT SPECIES OR WITH A TREE
DEDICATED TO HOWARD COUNTY AS PUBLIC RIGHT OF WAY	N15'35'29'E 143.05'	PARKS 69,638 SF ST-6 3 7 1,61 AC ST-6 3 7 1,61 AC	HOUSE  ARENAS PROPERTY	WHICH WILL OBTAIN THE SAME HEIGHT, SPREAD AND GROWTH CHARACTERISTICS. THE REPLACEMENT TREE MUST BE A MINIMUM OF 3 INCHES IN CALIPER AND INSTALLED AS REQUIRED IN THE HOWARD COUNTY LANDSCAPE MANUAL.  8) THE OWNER, TENANT AND,OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS.
1000G	LOT 1 18,001 SF 780 CRZ 780 CRZ 780 CRZ	PROPOSED ST-5	7 AT NO. 19337 ZONED R-20	ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION AND WHEN NECESSARY, REPAIRED OR REPLACED.AT  9) AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS HEREWITHIN LISTED AND APPROVED FOR THIS SITE, SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPING MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OF THE REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATES.
MOC SOIL	LOT 2 8 1 18,001_SF	CAP CRIZED ST - 3 TREEDING CRIZED CRIZED	EXISTING GARAGE	LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATES.
NG E LOT 1 KINDLER OVERLOCK NATURE PLAT No. 20/195	LOT 3 9 18,000 SF		LARENAS PROPERTY	
SITE DATA TABULATION	LOT 18,000	4 0 SF	ZONED R-20 EXISTING HOUSE	
a.) PRESENT ZONING: R-20 b.) LOCATION; TAX MAP: 41, GRID 18, PARCEL 245 c.) APPLICABLE DPZ FILE REFERENCES:		LOT 5 19,043. SF	B' SOIL	NO. DATE
d.) PROPOSED USE OF SITE: SINGLE FAMILY DETACHED RESIDENTIAL e.) PROPOSED WATER AND SEWER SYSTEMS: PUBLIC	LOT 16 KINIZLER OVERLOZIK	(CIRC) ISS	PROPERTY OF AARON M AND AARON M AND AARON M AND AARON M AND AND A ARON M AND A ARON M AND A ARON M ARON M AND A ARON M AR	BENCHMAR  ENGINEERS A LAND SURVEYORS A PL
2. AREA TABULATION  a.) TOTAL  a.) TOTAL AREA OF SITE	70NED R-20	LOT 6  18,076 SF  TEXISTING 18,100 CF  18,91	PARCEL 31Z ZONED R-20  EXISTING HOUSE	ENGINEERING,  8480 BALTIMORE NATIONAL PIKE A SUITE 315 A ELLICOT (P) 410-465-6105 (F) 410-465  WWW.BEI-CIVILENGINEERING.COM
g.) AREA OF PROPOSED PUBLIC ROAD RIGHT-OF-WAY 0.01± AC. h.) APPROXIMATE AREA OF LIMIT OF DISTURBANCE 2.15± AC. I.) AREA OF PROPOSED OPEN SPACE LOTS 1.61± AC. j.) AREA OF PROPOSED NON-CREDIT OPEN SPACE 0.00 AC.	FIAT NO 20098	WELL (TO 18,109 SF ST-1)  BE ABANDONED)	10 Mary Land 19 PARK	OWNER:  DEVELOPMENT PARTNERS, LLC 11807 WOLLINGFORD CT
UNIT/LOT TABULATION  a.) TOTAL NUMBER OF RESIDENTIAL UNITS/LOTS	KINDLER OVERL	Sold Sold Sold Sold Sold Sold Sold Sold	A TO THE PARTY OF	CEL D CLARKSVILLE, MARYLAND 21029 R-JEAN H 301-490-0388
PROPOSED ON THIS SUBMISSION	GRAPHIC SCALE  50 25 50 100	MILER SVERLOCK BY STORY OF THE		DEVELOPER:

LANDSCAPE PLANTING LIST SYMBOL QUANTITY REMARKS PLANTANUS ACERFOLIA 2 1/2" MIN. CAL. FULL HEAD 1/2" MIN. CA FULL HEAD 3 1/2' TO 4' h BLUE PRINCE HOLLY

TREE PLANTING DETAIL

SCALE: 1" = 2000'

- SPRAY WITH WILT-PROOF ACCORDING TO

- WRAP TRUNK AND LARGE

FLOOD WITH WATER

BRANCHES WITH WATERPROX TREE WRAP. TIE AT 24" INTERVALS (EXCEPT EVERGREENS)

L BE PROVIDED BY THE DEVELOPER AS SHOWN ON SCHEDULE A PERIMETER LANDSCAPE EDGE VIMUM OF TEN (10) FEET FROM A DRIVEWAY APRON. CATEGORY ANDSCAPE TYPE INEAR FEET OF PERIMETER CREDIT FOR EXISTING VEGETATION YES (YES, NO, LINEAR FEET) ID FOR PRESERVATION FOR WHICH LANDSCAPING TO RELEASE OF BONDS, THE OWNER WILL BE REE WITH THE EQUIVALENT SPECIES OR WITH A TREE HEIGHT, SPREAD AND GROWTH CHARACTERISTICS. THE A MINIMUM OF 3 INCHES IN CALIPER AND HE HOWARD COUNTY LANDSCAPE MANUAL (DESCRIBE BELOW IF NEEDED) CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) THE HOWARD COUNTY LANDSCAPE MANUAL
THEIR AGENTS SHALL BE RESPONSIBLE FOR
RED LANDSCAPING, INCLUDING BOTH PLANT MATERIALS
ALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED
, AND WHEN NECESSARY, REPLACED WITH NEW
INUED COMPLIANCE WITH APPLICABLE REGULATIONS.
CAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD
SARY, REPAIRED OR REPLACED.AT
TALL SUBJECT AND CYLED DI ANTINICS HEPEMATHIN (DESCRIBE BELOW IF NEEDED) UMBER OF PLANTS REQUIRED SHADE TREES EVERGREEN TREES SARY, REPAIRED OR REPLACED.AT
T, ALL SHRUBS AND OTHER PLANTINGS HEREWITHIN
THIS SITE, SHALL BE OF THE PROPER HEIGHT
CE WITH THE HOWARD COUNTY LANDSCAPING
SUBSTITUTIONS OR RELOCATION OF THE REQUIRED
THOUT PRIOR REVIEW AND APPROVAL FROM THE
IN ZONING. ANY DEVIATION FROM THIS APPROVED
LT IN DENIAL OR DELAY IN THE RELEASE OF
SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED
TO ADDITIONAL OR DELAY IN THE RELECATES. OTHER TREES (2:1 SUBSTITUTE) SHRUBS UMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTE) SHRUBS (10:1 SUBSTITUTE)

REVISION **BENCHMARK** ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS ENGINEERING, INC. 8480 BALTIMORE NATIONAL PIKE A SUITE 315 A ELLICOTT CITY, MARYLAND 21043 (P) 410-465-6105 (F) 410-465-6644 WWW.BEI-CIVILENGINEERING.COM

were prepared or approved by me, and that I am a duly licensed License No. 28376, Expiration Date: 1-1-2017.

DEVELOPMENT PARTNERS, LLC 11807 WOLLINGFORD CT CLARKSVILLE, MARYLAND 21029 301-490-0388

DRAFT: AAM CHECK: CAM

\P!AT No.\ 23144(

- Overlook II

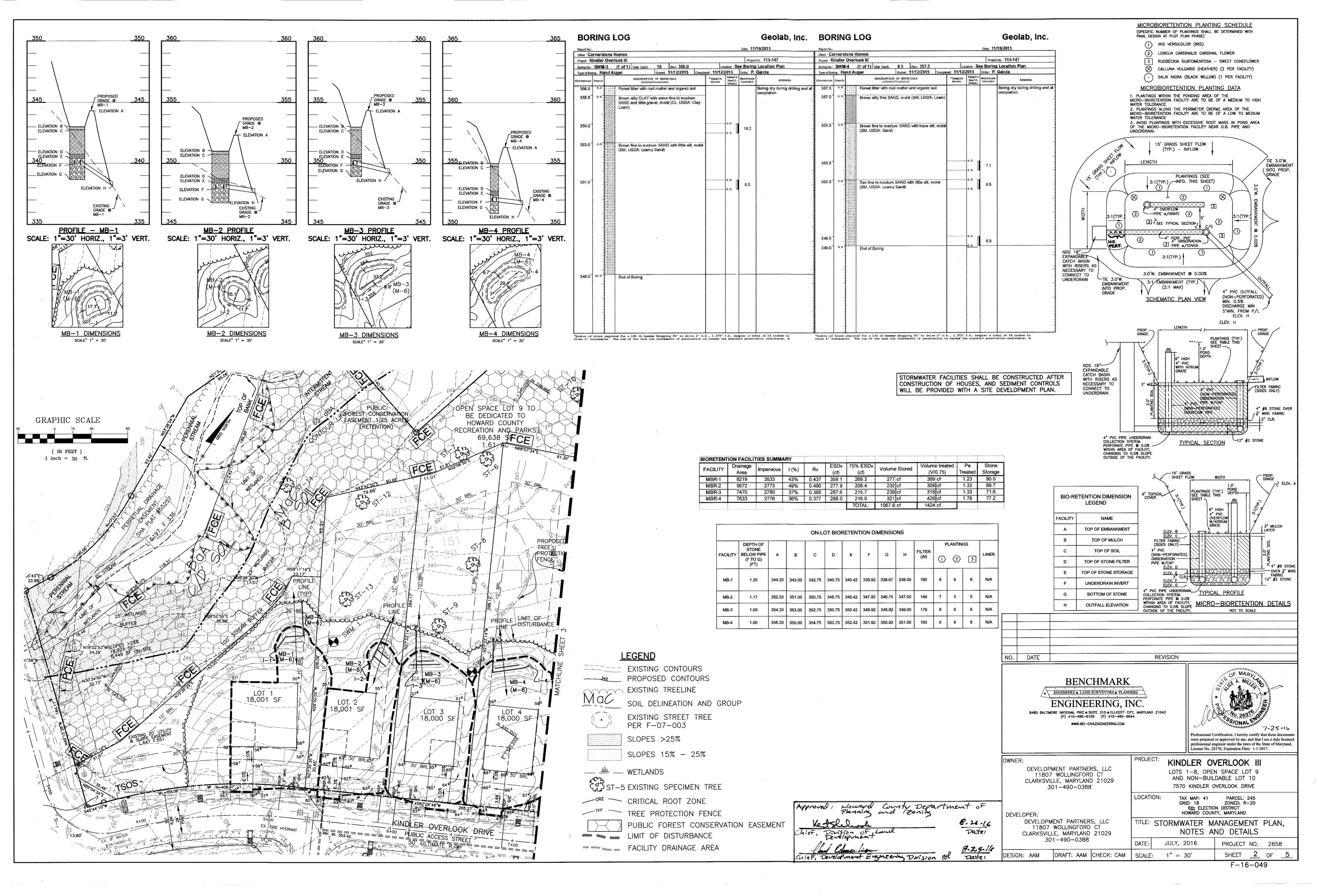
KINDLER OVERLOOK III LOTS 1-8, OPEN SPACE LOT 9 AND NON-BUILDABLE BULK PARCEL 'A' 7570 KINDLER OVERLOOK DRIVE

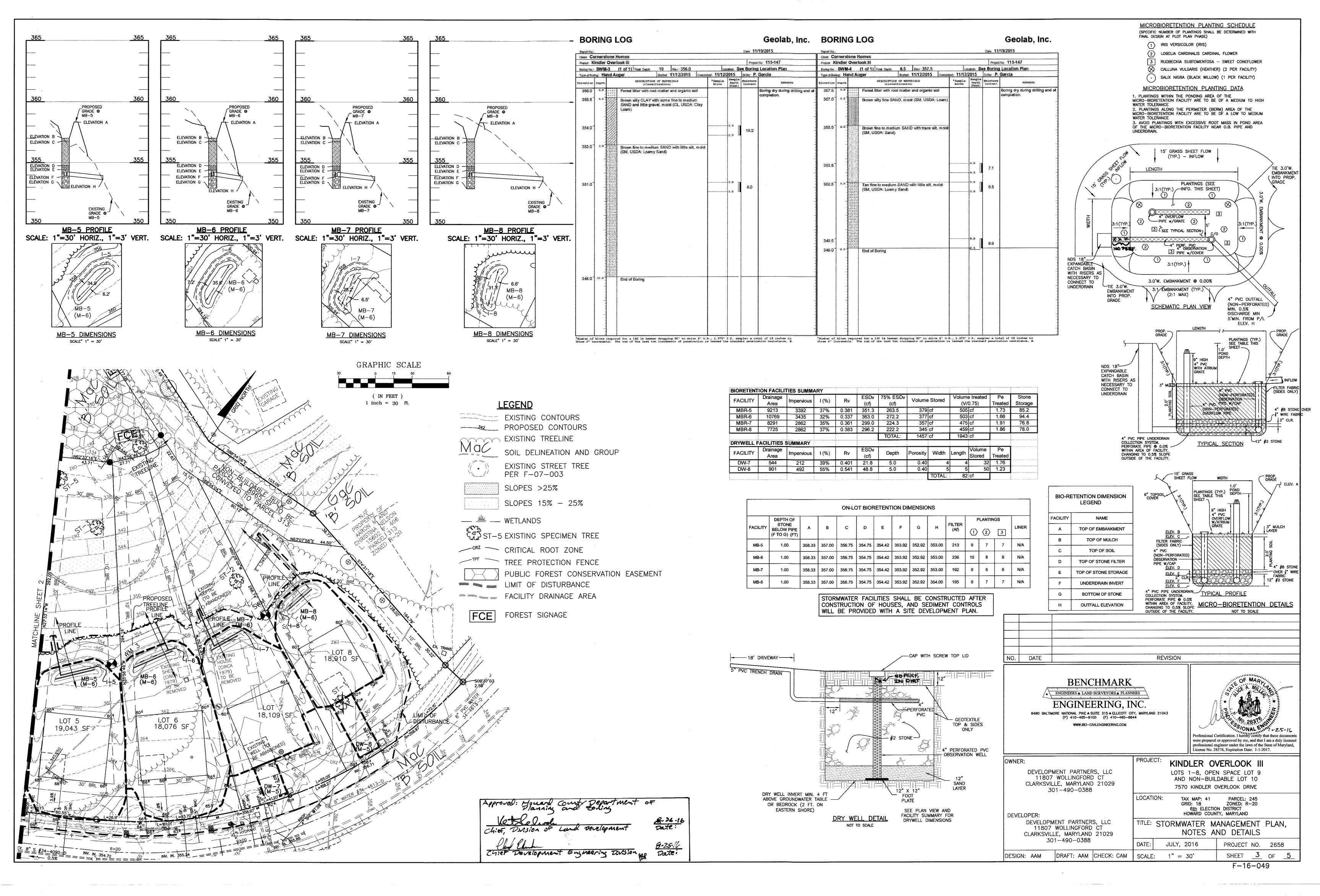
LOCATION: ZONED: R-20 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

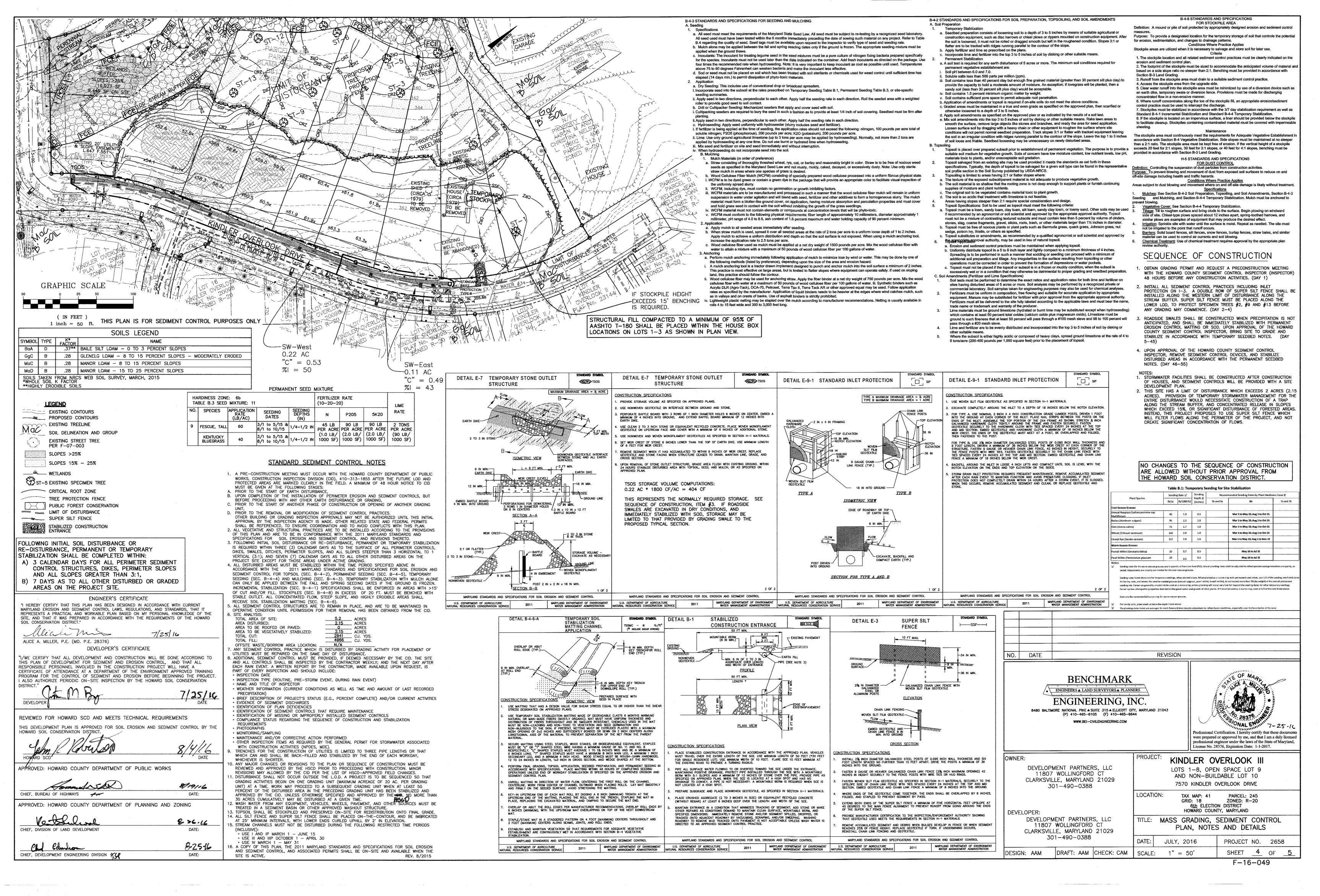
TITLE: EXISTING TOPOGRAPHY, SOILS, LOT LAYOUT AND LANDSCAPE PLAN JULY, 2016 PROJECT NO. 2658

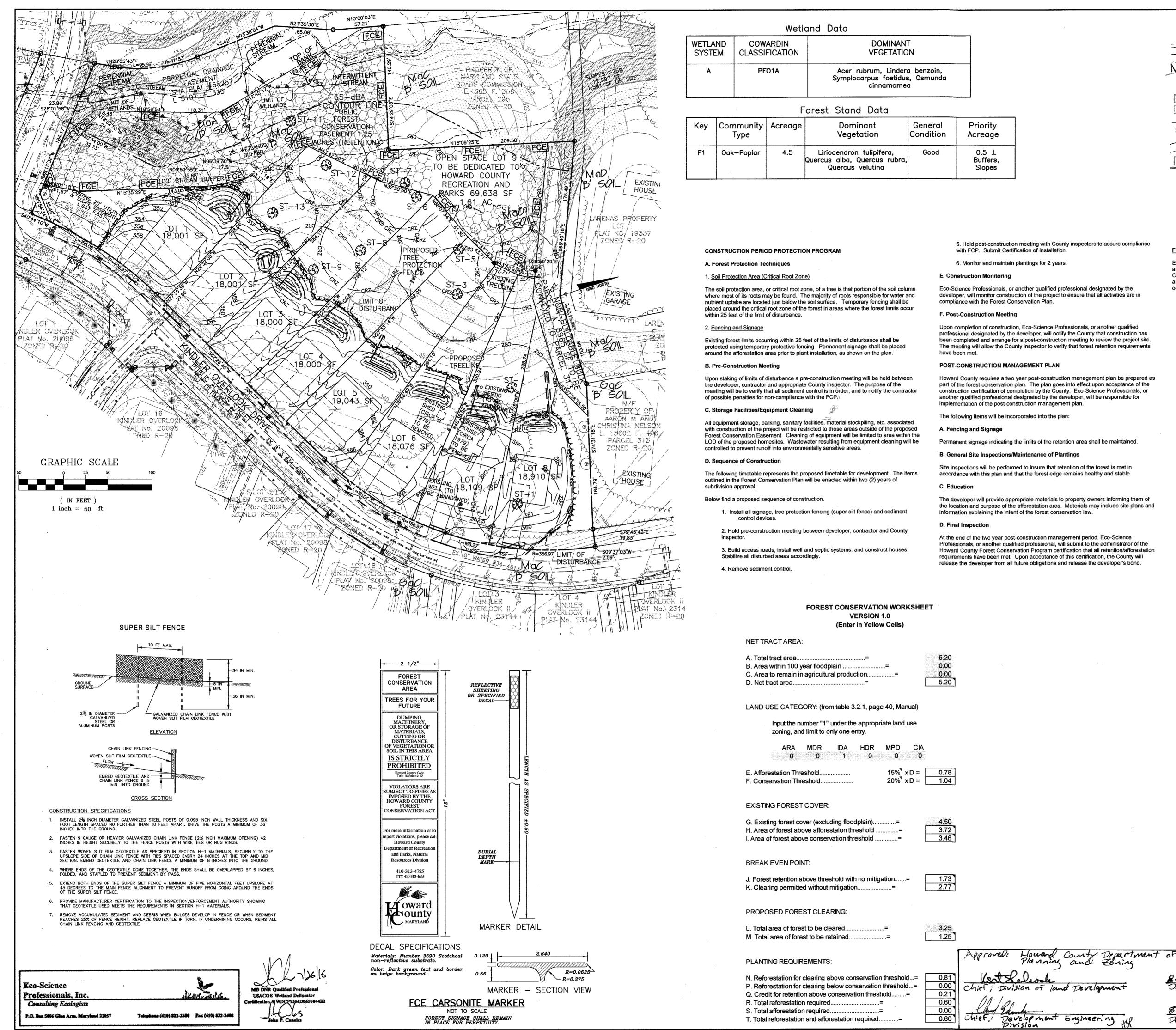
F-16-049

SHEET 1 OF 5









## SLOPES >25% SLOPES 15% - 25% ——<sup>业</sup>—— WETLANDS ST-5 EXISTING SPECIMEN TREE CRITICAL ROOT ZONE

LIMIT OF DISTURBANCE

# 5. Hold post-construction meeting with County inspectors to assure compliance

Eco-Science Professionals, or another qualified professional designated by the

Upon completion of construction, Eco-Science Professionals, or another qualified professional designated by the developer, will notify the County that construction has been completed and arrange for a post-construction meeting to review the project site. The meeting will allow the County inspector to verify that forest retention requirements

part of the forest conservation plan. The plan goes into effect upon acceptance of the construction certification of completion by the County. Eco-Science Professionals, or another qualified professional designated by the developer, will be responsible for

#### Permanent signage indicating the limits of the retention area shall be maintained.

Site inspections will be performed to insure that retention of the forest is met in

The developer will provide appropriate materials to property owners informing them of the location and purpose of the afforestation area. Materials may include site plans and

At the end of the two year post-construction management period, Eco-Science Professionals, or another qualified professional, will submit to the administrator of the Howard County Forest Conservation Program certification that all retention/afforestation requirements have been met. Upon acceptance of this certification, the County will

### **FOREST CONSERVATION EASEMENTS**

8.26.16 Date:

Date:

FCE FOREST SIGNAGE

**LEGEND** 

EXISTING CONTOURS

PROPOSED CONTOURS EXISTING TREELINE

Mac soil Delineation and GROUP

PER F-07-003

**EXISTING STREET TREE** 

TREE PROTECTION FENCE

PUBLIC FOREST CONSERVATION EASEMENT

Easements are a legal means of providing permanent protection of forests, farmland and open space. In accordance with the criteria outlined in the Howard County Forest Conservation Manual, a forest conservation easement will be recorded for the retention areas of on the subject property. Submission of the easements for recordation will occur prior to commencement of construction activities.

No rare, threatened or endangered species were observed on the property, however the DNR Heritage letter dated July 20, 2015 indicates forest interior dewlling bird (FDIS) habitiat within the forest area of the property. DNR guidelines for FIDS have been addressed.

JOHNS HOPKINS UNIV. APPLIED PHYSICS LAB.

HO.CO. 41EC

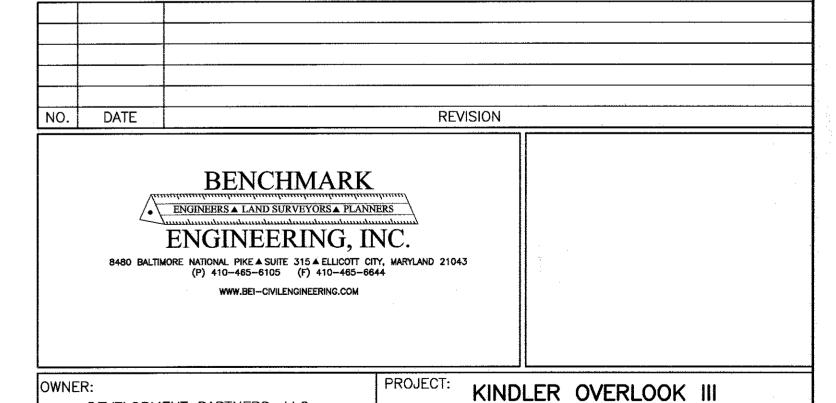
ADC MAP: 32 VICINITY MAP
GRID: E8 SCALE: 1" = 2000'

SCALE: 1" = 2000'

- 2. Surrounding land use is primarily medium density residential development.
- 3. Approximately 0.8 acres of forest is present within 100 feet of the subject property.
- The site is located within the Middle Patuxent watershed (02-13-11). This section of the watershed is classified as a Use IV-P.
- 5. No historic elements or cemeteries are known to occur on the property.
- No 100 year floodplain is present on the property. An existing drainage and utility easement is located on the property.
- 7. There are steep slopes (25% and greater), wetlands, streams and their buffers within the open space area of the site, to be dedicated to Howard County Recreation and Parks. No grading, removal of vegetative cover or trees, paving and new structures shall be permitted within the limits of the steep slopes, wetlands, streams, or their required buffers.
- 8. This project complies with the requirement of section 16.1200 of the Howard County Code for Forest Conservation with onsite retention and offsite banking. A total of 1.25 acres of forest will be retained within an easement onsite and the remaining obligation of 0.60 acres of reforestation will be met within existing forest conservation banks. The obligation will be met as follows: 0.21 acre will be credited at the Park Overlook Bank F-13-093, and 0.39 acres will be credited at the Tally Parcel 2 bank, using a portion of the remaining forest established for Kinder Overlook, F-03-007.
- There shall be no clearing, grading, construction or disturbance of vegetation with areas defined as Forest Conservation Easements.
- No stockpiles, parking areas, equipment cleaning areas, etc. shall occur within areas designated as non-disturbance areas.
- 11. Temporary fencing, super silt fence, shall be used to protect forest resources during construction. Super silt fence shall be installed along limits of disturbance occurring within 50 feet of the proposed forest retention limits. Permanent signage shall be installed along the Forest Conservation Easement boundary to prevent future encroachment into the area. Signage shall be placed at 50-100 foot intervals along the boundary.

		SPEC	IMEN TR	EE CHART
KEY	SPECIES	SIZE (IN. DBH)	CRZ (FT RADIUS)	CONDITION - COMMENTS
1	BLACK OAK	33	49.5	POOR - SEVERE LIMB DIEBACK - REMOVE
2	TULIP POPLAR	32.5	48.75	GOOD - RETAIN
3	RED OAK	35	52.5	GOOD — RETAIN
4	TULIP POPLAR	30.54	45.75	GOOD — RETAIN
5	RED OAK	33	49.5	FAIR - LIMB DIEBACK NOTED - RETAIN
6	TULIP POPLAR	32.5	48.75	GOOD - RETAIN
7	TULIP POPLAR	35	52.5	GOOD - RETAIN
8	TULIP POPLAR	30.54	45.75	GOOD - RETAIN
9	TULIP POPLAR	33	49.5	GOOD — RETAIN
10	BLACK OAK	32.5	48.75	GOOD - RETAIN
11	RED OAK	35	52.5	POOR - BROKEN/MISSING BRANCHES - RETAIN
12	TULIP POPLAR	30.54	45.75	GOOD - MULTI STEMMED ABOVE BREAST - RETAIL
13	WHITE OAK	33	49.5	GOOD RETAIN

SOILS LEGEND					
SYMBOL	TYPE	K* FACTOR	NAME		
BaA	D	.37**	BAILE SILT LOAM - 0 TO 3 PERCENT SLOPES		
GgC	В	.28	GLENELG LOAM - 8 TO 15 PERCENT SLOPES - MODERATELY ERODED		
MaC	В	.28	MANOR LOAM - 8 TO 15 PERCENT SLOPES		
MaD	В	.28	MANOR LOAM - 15 TO 25 PERCENT SLOPES		
SOILS TAKEN FROM NRCS WEB SOIL SURVEY, MARCH, 2015, SOIL SURVEY SHEET 23 *WHOLE SOIL K FACTOR **HIGHLY ERODIBLE SOILS					



DEVELOPMENT PARTNERS, LLC 11807 WOLLINGFORD CT CLARKSVILLE, MARYLAND 21029 301-490-0388  DEVELOPER: DEVELOPMENT PARTNERS, LLC 11807 WOLLINGFORD CT CLARKSVILLE, MARYLAND 21029			LOTS 1-8, OPEN SPACE LOT 9 AND NON-BUILDABLE LOT 10 7570 KINDLER OVERLOOK DRIVE				
			LOCATION	TAX MAP: 41 GRID: 18 6th ELECTIC HOWARD COUN		-	
			TITLE: FOREST CONSERVATION PLAN				
301-490-0388		DATE:	JULY, 2016	PROJECT NO.	2658	-	
ESIGN: AAM	DRAFT: AAM	CHECK: CAM	SCALE:	1" = 50'	SHEET 5	_ OF _	5
				-	F_16_0/0		

F-16-049