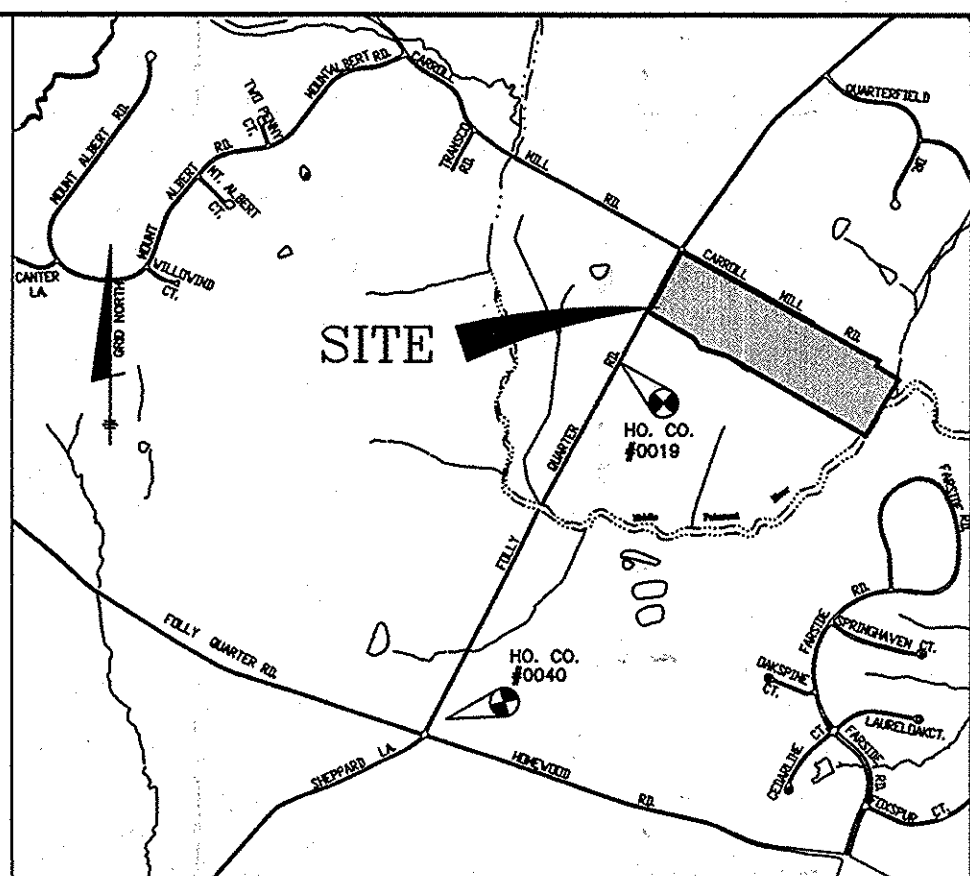


SYMBOL	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME	Kw
Co*	C		CODORUS AND HATBORO SILT LOAMS, 0 TO 3 PERCENT	0.37
Gbb	B		GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	0.20
Gbc	B		GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES	0.20
Gcb	B		GLENELG LOAM, 3 TO 8 PERCENT SLOPES	0.20
Gcc	B		GLENELG LOAM, 8 TO 15 PERCENT SLOPES	0.20
Gmc	C		GLENEVILLE SILT LOAM, 8 TO 15 PERCENT SLOPES	0.37
Gmb	C		GLENEVILLE SILT LOAM, 15 TO 25 PERCENT SLOPES	0.24
Gmb	YES	C	GLENEVILLE-BALLE SILT LOAM, 0 TO 9 PERCENT SLOPES	0.37
Mac	B		MANOR LOAM, 15 TO 25 PERCENT SLOPES	0.24
Mac	B		MANOR LOAM, 8 TO 15 PERCENT SLOPES	0.24

SUPPLEMENTAL PLAN FOLLY EQUINE ESTATES

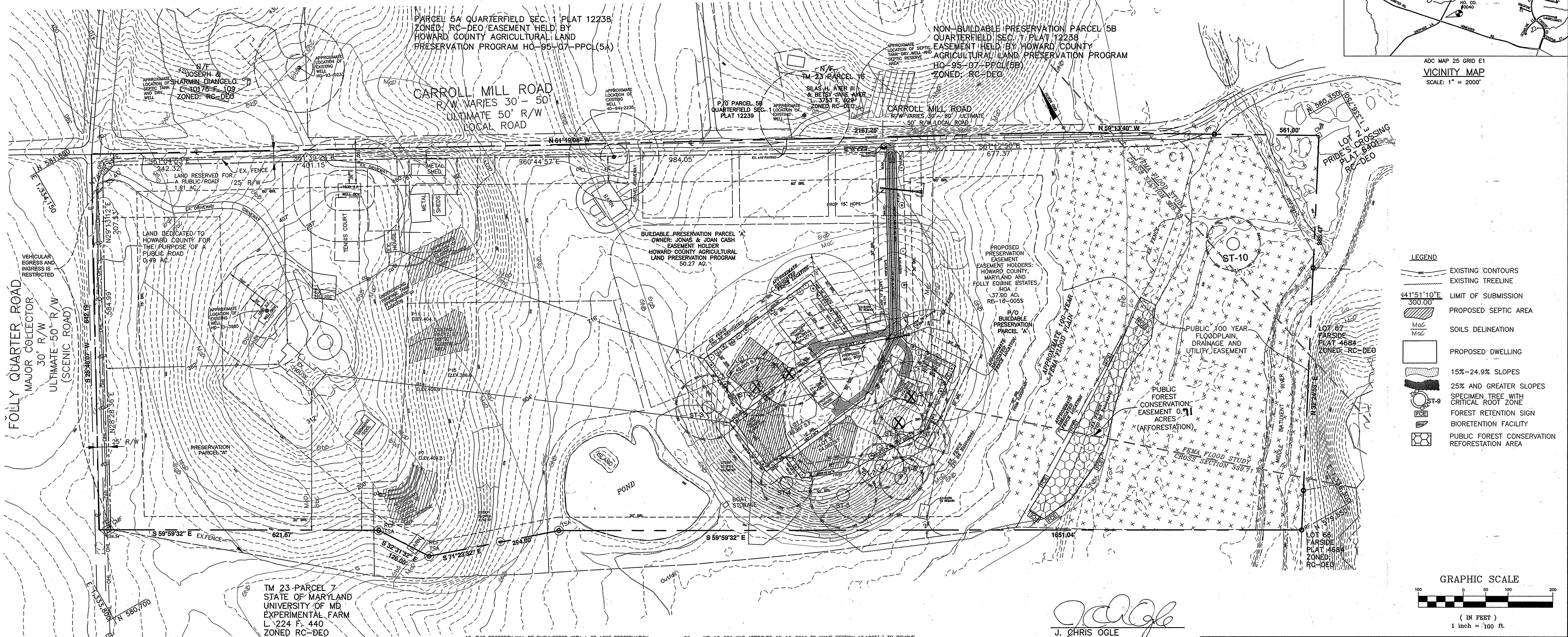
LOTS 1 thru 3 & BUILDABLE PRESERVATION PARCEL A 3rd ELECTION DISTRICT HOWARD COUNTY, MARYLAND

BENCH MARKS (NAD'83)	
HO. CO. No. 0019	ELEV. 358.131
STAMPED BRASS DISK SET ON TOP OF CONCRETE (3" DEEP) COLUMN.	
N 580,468.098	E 1,333,675.52
HO. CO. No. 0040	ELEV. 364.599
STAMPED BRASS DISK SET ON TOP OF CONCRETE (3" DEEP) COLUMN.	
N 577,270.584	E 1,332,002.58

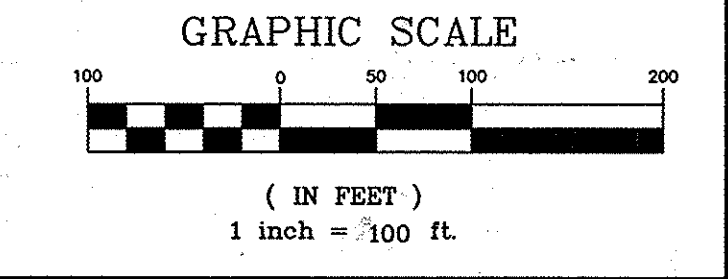


SHEET INDEX	
NO.	DESCRIPTION
1	SITE LAYOUT AND FOREST CONSERVATION PLAN
2	GRADING AND SWM CONCEPT
3	FOREST CONSERVATION DETAILS AND LANDSCAPE SCHEDULES

ON-LOT SWM PRACTICES			
LOT NO.	ADDRESS	MICRO-BIORETENTION FACILITY (M-6)	GRASS SWALE (M-8)
1	11659 CARROLL MILL ROAD	1	
2	11655 CARROLL MILL ROAD	1	1
3	11651 CARROLL MILL ROAD	1	



LEGEND	
	EXISTING CONTOURS
	EXISTING TREELINE
	LIMIT OF SUBMISSION
	PROPOSED SEPTIC AREA
	SOILS DELINEATION
	PROPOSED DWELLING
	15%-24.9% SLOPES
	25% AND GREATER SLOPES
	SPECIMEN TREE WITH CRITICAL ROOT ZONE
	FOREST RETENTION SIGN
	BIORETENTION FACILITY
	PUBLIC FOREST CONSERVATION REFORESTATION AREA



- ### GENERAL NOTES
- SUBJECT PROPERTY ZONED RC-DEO PER THE COMPREHENSIVE ZONING PLAN EFFECTIVE 10-2-2013.
 - THIS SUBDIVISION IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS PER COUNCIL BILL 45-2003 AND THE 2013 ZONING REGULATIONS PER COUNCIL BILL 32-2013. DEVELOPMENT OR CONSTRUCTION ON THESE LOTS MUST COMPLY WITH SETBACK AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SUBDIVISION PLAN OR BUILDING/GRADING PERMIT.
 - PROJECT BOUNDARY IS BASED ON FIELD RUN BOUNDARY SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. 1 MARCH, 2006.
 - THERE ARE EXISTING STREAMS, WETLANDS, THEIR BUFFERS, AND FLOODPLAIN LOCATED ON-SITE, IN ACCORDANCE WITH SECTION 16.116(b) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. WETLANDS NEED NOT BE DELINEATED FOR RURAL CLUSTER SUBDIVISIONS IF A QUALIFIED PROFESSIONAL CERTIFIES THAT WETLANDS AND BUFFERS WILL NOT BE IMPACTED BY THE PROPOSED DEVELOPMENT, BY LETTER DATED JUNE 23, 2015 BENCHMARK ENGINEERING, INC. HAS CERTIFIED THAT NO WETLANDS ARE PROPOSED WITHIN THE LOT OR WILL BE IMPACTED BY THE CLUSTER SUBDIVISION. NO GRADINGS, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING OR NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED WETLANDS, STREAMS, THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREA OR 100 YEAR FLOODPLAIN.
 - TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO CEMETERIES LOCATED ON THIS SITE.
 - THERE ARE STEEP SLOPES (25% OR GREATER) WITHIN PROPOSED LOT 3; HOWEVER THE AREAS ARE LESS THAN 20,000 CONTIGUOUS SQUARE FEET AND ARE NOT RESTRICTED FROM DEVELOPMENT.

- A FOREST STAND DELINEATION, FOREST CONSERVATION PLAN AND WETLAND CERTIFICATION HAVE BEEN PERFORMED BY BENCHMARK ENGINEERING, INC. AND HAVE BEEN SUBMITTED WITH THIS MINOR SUBDIVISION SUBMISSION.
- PREVIOUS DPZ FILES: E-16-05(91); ECP-15-087; CE-16-005(6)
- FOLLY QUARTER ROAD IS DESIGNATED A SCENIC ROAD. THE PROPOSED DEVELOPMENT WILL NOT BE VISIBLE FROM THE SCENIC ROAD DUE TO THE DISTANCE (±1700 FT), EXISTING FARM STRUCTURES AND TOPOGRAPHY.
- THE LANDSCAPING FOR THIS PROJECT IS SHOWN WITHIN THE SUPPLEMENTAL PLANS FOR F-16-012, AND HAS BEEN DESIGNED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. SURVEY SHALL BE PROVIDED WITH THE GRADING PERMIT, IN THE AMOUNT OF \$14,520 FOR 40 SHADE TREES, 8 MITIGATION TREES AND 4 SHRUBS FOR TRASH PAD SCREENING.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES TO THE PRIVATE SEWAGE EASEMENT. RECONSTRUCTION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- MINI REQUIREMENTS WILL BE ADDRESSED BY FEE-IN-LIEU.
- THE SUBJECT PROPERTY IS A FOUR LOT MINOR SUBDIVISION AND IS LOCATED WITHIN THE COUNTY'S DESIGNATED GROWTH TIER AREA IV IN ACCORDANCE WITH PLAN HOWARD 2030 AND IS SUBJECT TO STATE LAW, SB-236. "THE SUSTAINABLE GROWTH AND AGRICULTURE PRESERVATION ACT OF 2012". THEREFORE, NONE OF THE FOUR LOTS (INCLUDES PRESERVATION PARCEL) WITHIN THIS RESIDENTIAL MINOR SUBDIVISION MAY BE RESUBDIVIDED OR FURTHER SUBDIVIDED IN ACCORDANCE WITH SB-236.
- A NOISE STUDY IS NOT REQUIRED FOR THIS DEVELOPMENT.
- AN APPROPRIATE TRAFFIC STUDY IS NOT REQUIRED FOR THIS DEVELOPMENT.
- BUILDABLE PRESERVATION PARCEL 'A' IS THE REMAINDER PARCEL FROM THIS SUBDIVISION, AND WILL BE UTILIZED AS AN ESTATE HOME AND FARM. THE PROPERTY SHALL BE MAINTAINED BY THE PROPERTY OWNER.
- THERE ARE EXISTING STRUCTURES AND DWELLINGS TO REMAIN ON PARCEL 'A'. NO NEW BUILDING, EXTENSIONS OR ADDITIONS TO THE EXISTING STRUCTURES ARE TO BE CONSTRUCTED AT A DISTANCE LESS THAN THE ZONING REGULATIONS REQUIRE.

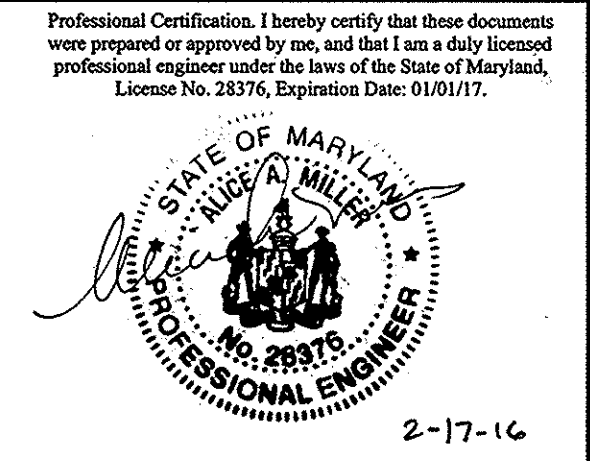
- THIS PROPERTY WILL BE ENCLOSED WITH A 37 ACRE PRESERVATION EASEMENT FOR DENSITY SENSITIVE RECORDATION OF THE CLUSTER SUBDIVISION PLAN. THE EASEMENT WILL BE HELD BY HOWARD COUNTY AND FOLLY EQUINE ESTATES HOMEOWNER ASSOCIATION. RESTRICTIONS AND PERMITTED USES ASSOCIATED WITH THE EASEMENT WILL BE SPECIFIED WITHIN THE DEED OF PRESERVATION EASEMENT AND RECORDED ON CONCURRENCE WITH THE DENSITY SENSITIVE PLAN (R-16-005).
- FOR FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPESTEM AND ROAD RIGHT OF WAY LINE AND NOT ON THE PIPESTEM LOT DRIVEWAY.
- 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:
 - 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 RADIUS.
 - STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (25S LOADING).
 - DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOODPLAIN WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY.
 - STRUCTURE CLEARANCES - MINIMUM 12 FEET.
 - MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
- A PRIVATE RANGE OF ADDRESS SIGN ASSEMBLY SHALL BE FABRICATED AND INSTALLED BY HOWARD COUNTY BUREAU OF HIGHWAYS AT THE DEVELOPER'S/OWNER'S EXPENSE. CONTACT HOWARD COUNTY TRAFFIC DIVISION AT 410-313-3752 FOR DETAILS AND COST ESTIMATES.
- THIS SITE IS NOT LOCATED WITHIN THE METROPOLITAN DISTRICT. WATER AND SEWER WILL BE PRIVATE ON-SITE FACILITIES.
- 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 RESTRICTIONS OF THE RECORDED DECLARATION OF COVENANT. USE IN COMMON DRIVEWAY TREATMENT SHALL BE SUBJECT TO A SHARED USE AND MAINTENANCE AGREEMENT.
- A FOREST STAND DELINEATION REPORT DATED 2014 AND NOVEMBER 2015 AND A WETLAND REPORT DATED JUNE 23, 2015 WERE PREPARED BY BENCHMARK ENGINEERING, INC.
- THIS SUPPLEMENTAL PLAN ALONG MAY NOT BE USED TO OBTAIN PERMITS FOR THIS PROJECT. THE HOWARD SCD STANDARD SEDIMENT AND EROSION CONTROL PLAN MAY NOT BE USED FOR THESE LOTS.

- WP-16-021 WAS APPROVED 12-12-2016 TO WAIVE SECTION 16.1205(g) TO REMOVE SPECIMEN TREES; SECTION 16.1202(1), 16.119(6) TO ALLOW RETENTION OF EXISTING DRIVEWAY ACCESS TO FOLLY QUARTER ROAD; AND SECTION 16.119(6) TO WAIVE RIGHT OF WAY DEDICATION OF CARROLL MILL ROAD, SUBJECT TO THE FOLLOWING CONDITIONS:
 - APPROVAL OF SECTION 16.1205(g)(7)(a)(i) IS FOR THE REMOVAL OF SPECIMEN TREES ST-1, ST-2, ST-8, AND ST-9 AS SHOWN ON THE FINAL SUBDIVISION PLAN. NO OTHER SPECIMEN TREES MAY BE REMOVED. REMOVAL OF THE FOUR SPECIMEN TREES WILL REQUIRE MITIGATION OF EIGHT (8) 3"-4" CALIPER TREES. THE MITIGATION TREES SHALL BE NATIVE PLANT SPECIES. THE REMOVED TREES SHALL BE SHOWN AS PART OF THE FINAL LANDSCAPE PLAN AND SHALL BE BONDED WITH THE LANDSCAPING OBLIGATION WITH FINAL PLANS.
 - THE PROPERTY FRONTAGE ALONG FOLLY QUARTER ROAD SHALL BE LABELED "VEHICULAR EGRESS AND INGRESS IS RESTRICTED" EXCLUDING THE LOCAL FOOTAGE FOR THE EXISTING DRIVEWAY FRONTAGE. IF THE DRIVEWAY IS RELOCATED IN THE FUTURE, IT MUST FRONT ON CARROLL MILL ROAD.
 - APPROVAL OF SECTION 16.119(6)(1)(i) SHALL BE IN ACCORDANCE WITH THE DEVELOPMENT ENGINEERING DIVISION (DED) COMMENTS DATED DECEMBER 14, 2015. THE SUBMITTED PLAN ILLUSTRATES A NOTE "SPEECHING LAND RESERVED FOR A PUBLIC ROAD". THIS RESERVATION MUST BE ESTABLISHED IN A LEGAL DOCUMENT WHICH ALLOWS THE COUNTY TO ACQUIRE THE RESERVED AREA IN THE FUTURE (IF NEEDED) WITHOUT COMPENSATION OR THE PROPERTY OWNER'S AUTHORIZATION. THIS NOTE MUST SPECIFY THAT EXISTING STRUCTURES WITHIN THE "RESERVED AREA" MUST BE REMOVED UPON THE DEDICATION OF THE RIGHT-OF-WAY. THIS MUST BE FINALIZED AND RECORDED WITH THE RECORD PLAN AND A COPY PROVIDED TO DED.
 - UPON COUNTY ACQUISITION OF THE "LAND RESERVE FOR PUBLIC ROAD", THE STRUCTURES AND USES ON THE BUILDABLE PRESERVATION PARCEL SHALL COMPLY WITH THE ZONING REGULATIONS REQUIREMENTS FOR ACCESSORY STRUCTURES AND USES AND BULK REQUIREMENTS, UNLESS VARIANCES HAVE BEEN APPROVED. APPROVAL OF THIS WAIVER PETITION IS SUBJECT TO REVIEW AND APPROVAL OF F-16-021 AND ALL SUBSEQUENT PLANS.
 - DESIGN WAIVER WAS APPROVED ON DECEMBER 14, 2015, TO VOLUME III, SECTION 2.4.8.1 AND 2.4.8.2 OF THE DESIGN MANUAL VOLUME IV, TO ELIMINATE RIGHT-OF-WAY DEDICATION ALONG CARROLL MILL ROAD.
 - THE RESERVATION MUST BE ESTABLISHED IN A LEGAL DOCUMENT WHICH ALLOWS THE COUNTY TO ACQUIRE THE RESERVED AREA IN THE FUTURE (IF NEEDED) WITHOUT COMPENSATION OR THE PROPERTY OWNER'S AUTHORIZATION, AND WHICH SPECIFIES THAT STRUCTURES WITHIN THE RESERVED AREA MUST BE REMOVED UPON THE DEDICATION OF THE RIGHT OF WAY.
 - THIS PROJECT COMPLIES WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION WITH AN OBLIGATION OF 0.71 ACRES OF ORSHED AFFORESTATION WITH A SURETY IN THE AMOUNT OF \$15,464 TO BE POSTED AS PART OF THE DEVELOPER'S AGREEMENT. PLAN F-16-012

J. Chris Ogle
J. CHRIS OGLE
DNR QUALIFIED PROFESSIONAL

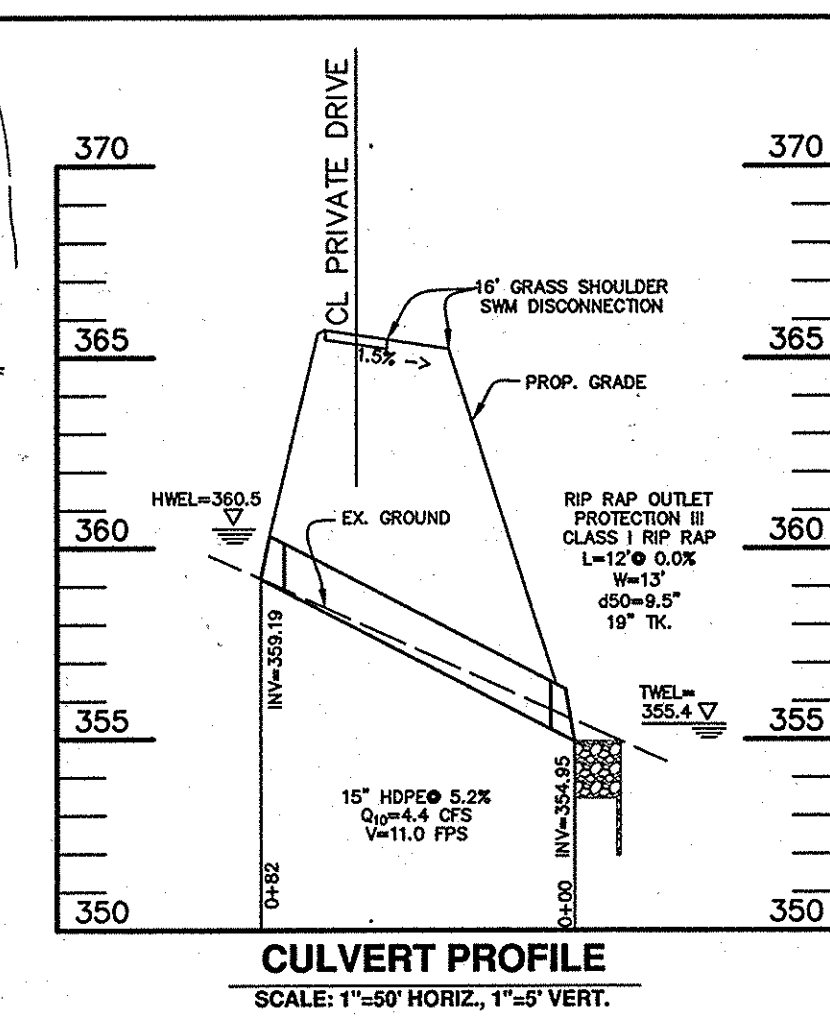
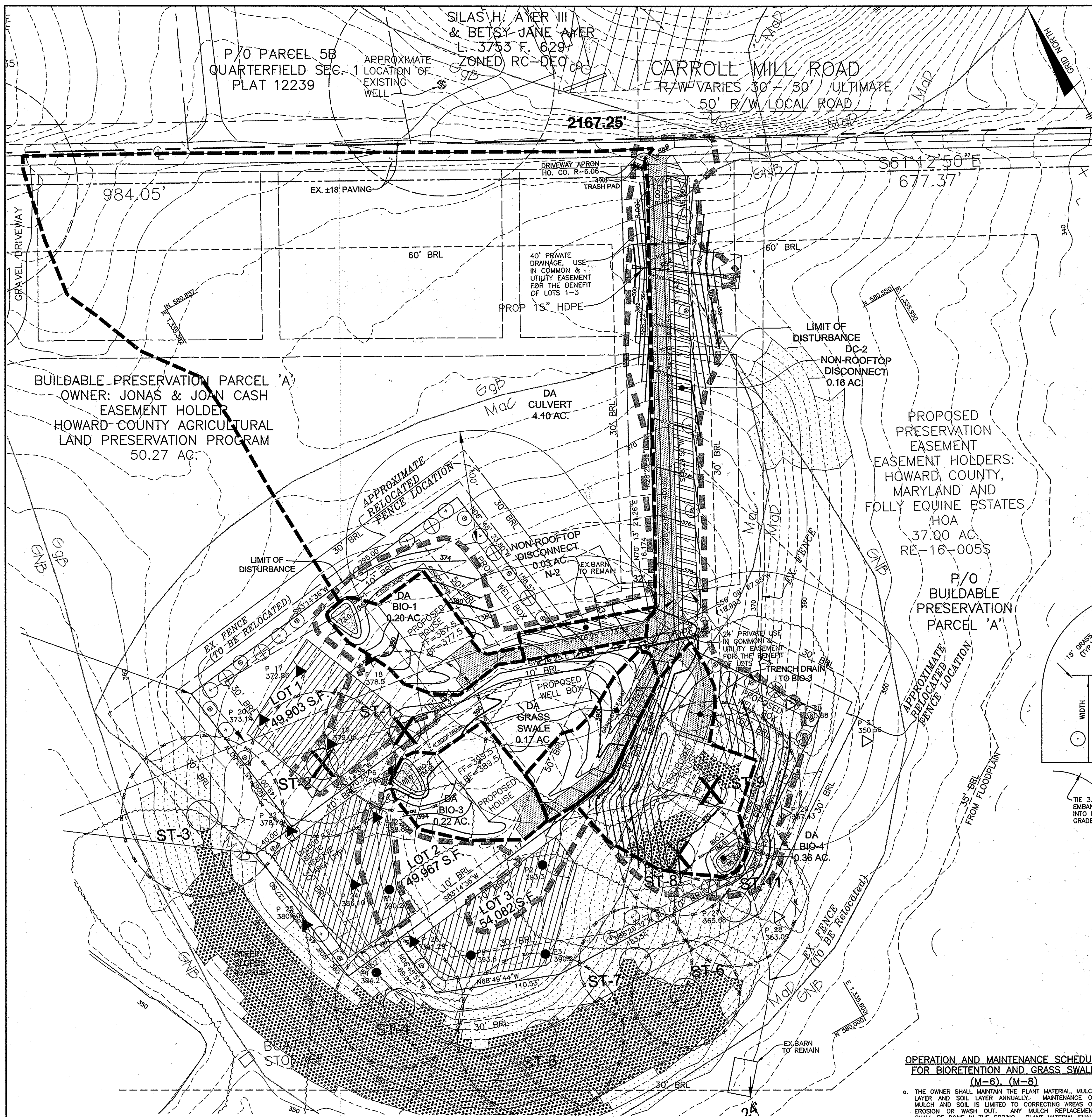
SPECIMEN TREE CHART					
NUMBER	DBH(INCHES)	COMMON NAME	CONDITION	CRZ(FT)	REMOVE/RETAIN
ST-1	48 (SPLIT TRUNK)	OAK	GOOD	72	REMOVE
ST-2	43 (SPLIT TRUNK)	OAK	GOOD	65	REMOVE
ST-3	48	OAK	GOOD	72	RETAIN
ST-4	38	OAK	GOOD	57	RETAIN
ST-5	49	OAK	GOOD	74	RETAIN
ST-6	32	OAK	GOOD	48	RETAIN
ST-7	33	OAK	GOOD	50	RETAIN
ST-8	36	POPLAR	GOOD	54	REMOVE
ST-9	53	OAK	GOOD	80	REMOVE
ST-10	39.5	OAK	FAIR	60	RETAIN
ST-11	36	POPLAR	POOR	54	RETAIN

BENCHMARK ENGINEERING, INC.
ENGINEERS • LAND SURVEYORS • PLANNERS
8480 BALTIMORE NATIONAL PIKE A SUITE 315
ELLICOTT CITY, MARYLAND 21043
PHONE: 410-465-8105 FAX: 410-465-8644
www.bei-civilengineering.com



APPROVED: DEPARTMENT OF PLANNING AND ZONING
Kate L. D... 3-2-16
CHIEF, DIVISION OF LAND DEVELOPMENT
... 3-2-16
CHIEF, DEVELOPMENT ENGINEERING DIVISION

OWNER:	PROJECT: FOLLY EQUINE ESTATES		
	LOTS 1-3 AND BUILDABLE PRESERVATION PARCEL 'A' ZONED: RC-DEO		
LOCATION:	TAX MAP 23 - GRID 14	PARCEL 30	3rd ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE:	SUPPLEMENTAL PLAN		
SITE LAYOUT AND FOREST CONSERVATION PLAN			
DATE:	NOVEMBER 2015	PROJECT NO.	2100
	FEBRUARY 2016		
SCALE:	AS SHOWN	DRAWING	1 OF 3
Design: AM/jco	Draft: jco	Check: CAM	



Q10=CIA C=0.16(1' Open Space)
 L₀=6(10min)
 T=4, Tac.
 Q10=0.16(6.64)1
 Q10=4.4cfs

SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME	Kw
Co*	C		D	CODORUS AND HATBORO SILT LOAMS, 0 TO 3 PERCENT	0.37
GdB	B		D	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	0.20
GcC	B		D	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES	0.20
GdB	B		D	GLENEGL LOAM, 3 TO 8 PERCENT SLOPES	0.20
GcC	B		D	GLENEGL LOAM, 8 TO 15 PERCENT SLOPES	0.20
GmC	C		D	GLENEVILLE SILT LOAM, 8 TO 15 PERCENT SLOPES	0.37
GmB*	C		D	GLENEVILLE SILT LOAM, 0 TO 8 PERCENT SLOPES	0.37
MAO	B		D	MANOR LOAM, 15 TO 25 PERCENT SLOPES	0.24
MAC	B		D	MANOR LOAM, 8 TO 15 PERCENT SLOPES	0.24

SEDIMENT AND EROSION CONTROL SHALL BE PROVIDED UNDER THE GRADING PLAN AND/OR BUILDING PERMIT PLAN FOR EACH LOT BY THE BUILDER.

MICROBIORETENTION PLANTING SCHEDULE
 (SPECIFIC NUMBER OF PLANTINGS SHALL BE DETERMINED WITH FINAL DESIGN AT PLOT PLAN PHASE)

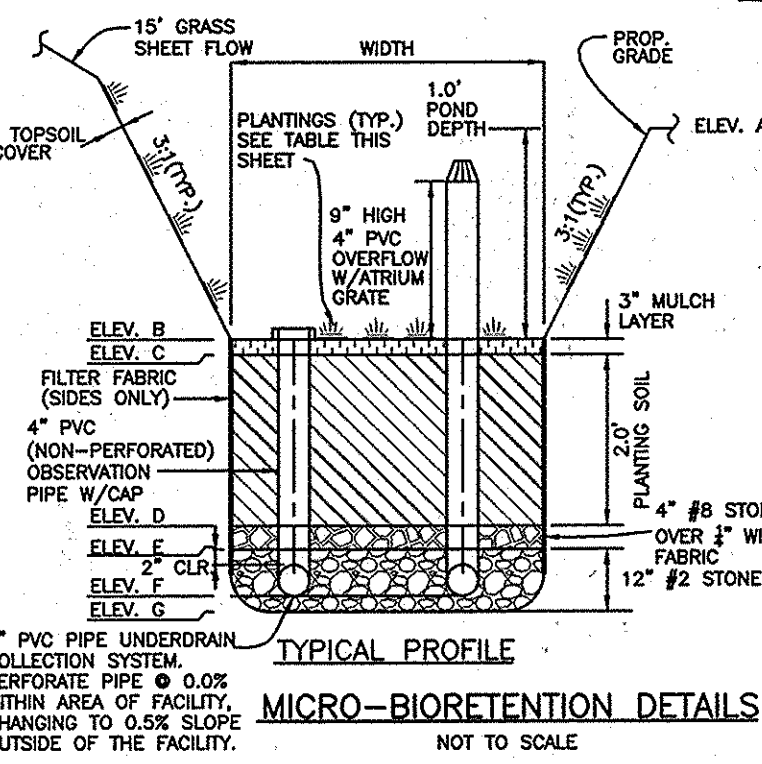
- ① IRIS VERSICOLOR (IRIS)
- ② LOBELIA CARDINALIS CARDINAL FLOWER
- ③ RUDBECKIA SUBTANTOSA - SWEET CONEFLOWER
- ④ CALLUNA VULGARIS (HEATHER) (2 PER FACILITY)
- ⑤ SALIX NIGRA (BLACK WILLOW) (1 PER FACILITY)

MICROBIORETENTION PLANTING DATA

- PLANTINGS WITHIN THE PONDING AREA OF THE MICRO-BIORETENTION FACILITY ARE TO BE OF A MEDIUM TO HIGH WATER TOLERANCE.
- PLANTINGS ALONG THE PERIMETER (BERM) AREA OF THE MICRO-BIORETENTION FACILITY ARE TO BE OF A LOW TO MEDIUM WATER TOLERANCE.
- AVOID PLANTINGS WITH EXCESSIVE ROOT MASS IN POND AREA OF THE MICRO-BIORETENTION FACILITY NEAR O.B. PIPE AND UNDERDRAIN.

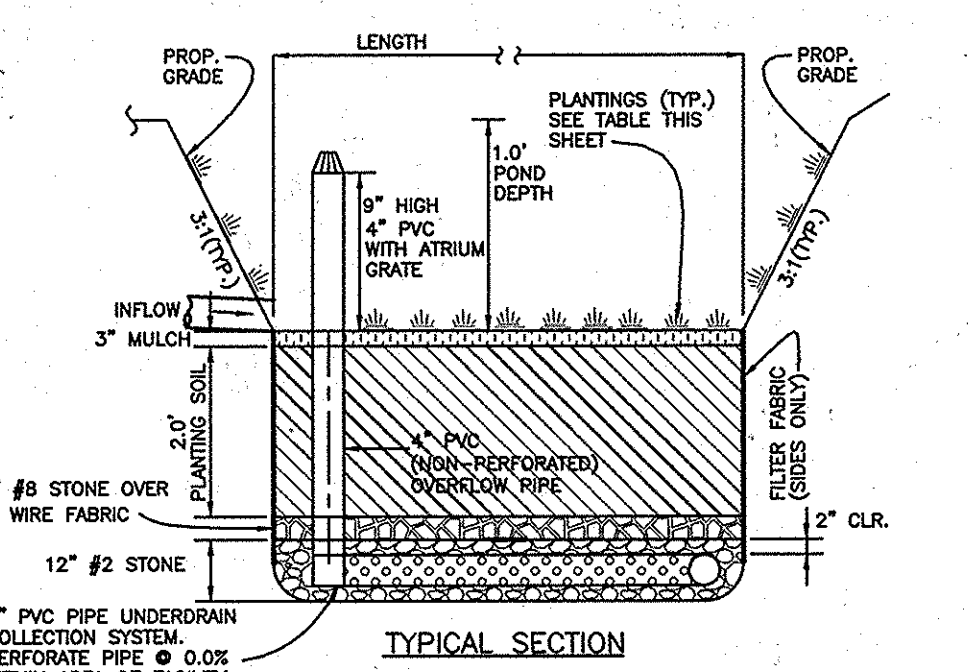
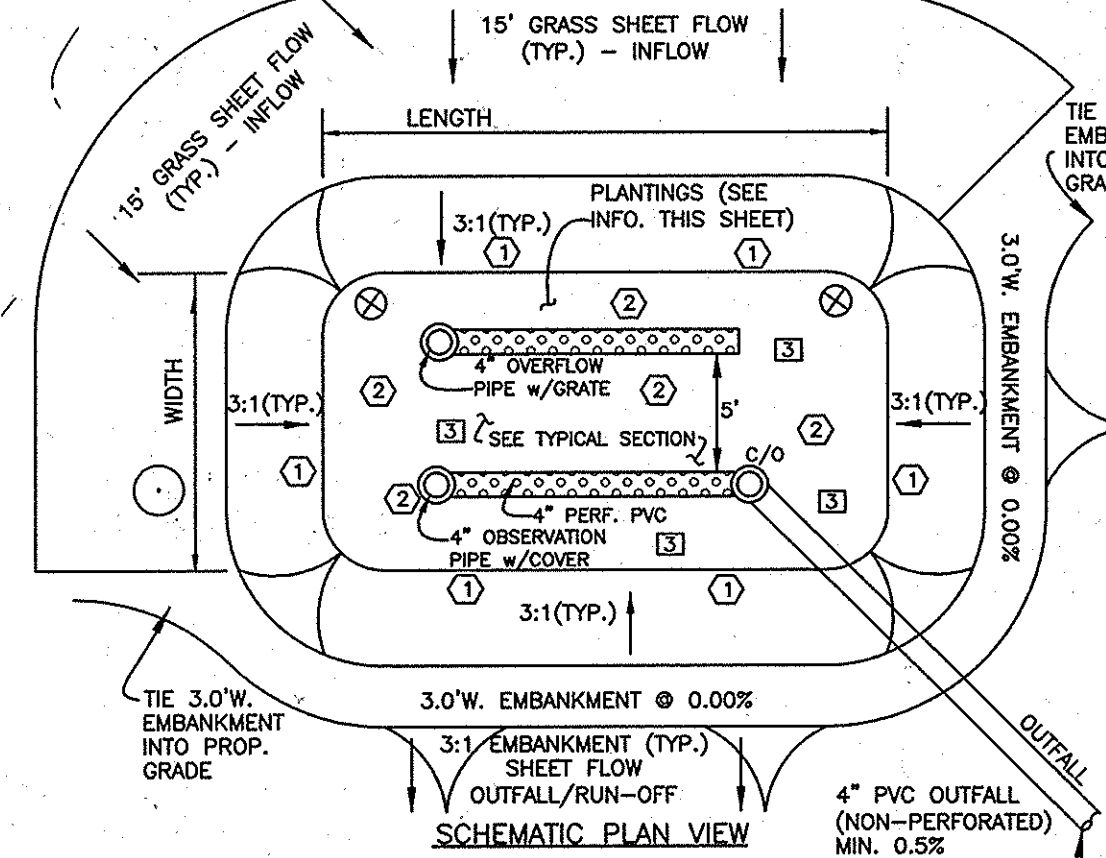
BIO-RETENTION DIMENSION LEGEND

FACILITY	NAME
A	TOP OF EMBANKMENT
B	TOP OF MULCH
C	TOP OF SOIL
D	TOP OF STONE FILTER
E	TOP OF STONE STORAGE
F	UNDERDRAIN INVERT
G	BOTTOM OF STONE
H	OUTFALL ELEVATION



LEGEND

- EXISTING CONTOURS
- EXISTING TREELINE
- LIMIT OF SUBMISSION N41°51'10"E 300.00'
- PROPOSED SEPTIC AREA
- SOILS DELINEATION MaC, MaC
- PROPOSED DWELLING
- 15%-24.9% SLOPES
- 25% AND GREATER SLOPES
- SPECIMEN TREE WITH CRITICAL ROOT ZONE
- FOREST RETENTION SIGN FCE
- BIORETENTION FACILITY BIC-4
- PUBLIC FOREST CONSERVATION REFORESTATION AREA
- ESD DRAINAGE AREA
- NON-ROOFTOP DISCONNECT
- PASSING TESTS 2-3-15
- FAILED TESTS 2-3-15
- PREVIOUSLY PASSED TEST HOLE (2013)

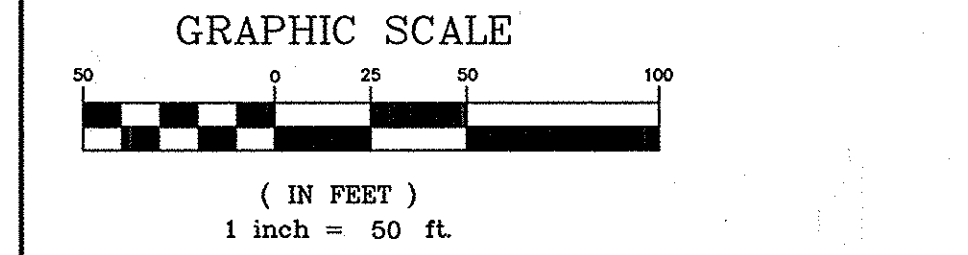


OPERATION AND MAINTENANCE SCHEDULE FOR BIORETENTION AND GRASS SWALE (M-6), (M-8)

- THE OWNER SHALL MAINTAIN THE PLANT MATERIAL, MULCH LAYER AND SOIL LAYER ANNUALLY. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING. ACCEPTABLE REPLACEMENT PLANT MATERIAL IS LIMITED TO THE FOLLOWING: 2000 MARYLAND STORMWATER DESIGN MANUAL VOLUME II, TABLE A.4.1 AND 2.
- THE OWNER SHALL PERFORM A PLANT INSPECTION IN THE SPRING AND IN THE FALL OF EACH YEAR. DURING THE INSPECTION, THE OWNER SHALL REMOVE DEAD AND DISEASED VEGETATION CONSIDERED BEYOND TREATMENT, REPLACE DEAD PLANT MATERIAL WITH ACCEPTABLE REPLACEMENT PLANT MATERIAL, TREAT DISEASED TREES AND SHRUBS, AND REPLACE ALL DEFICIENT STAKES AND WIRES.
- THE OWNER SHALL INSPECT MULCH EACH SPRING. THE MULCH SHALL BE REPLACED EVERY TWO TO THREE YEARS. THE PREVIOUS MULCH LAYER SHALL BE REMOVED BEFORE THE NEW LAYER IS APPLIED.
- THE OWNER SHALL CORRECT SOIL EROSION ON AN AS NEEDED BASIS, WITH A MINIMUM OF ONCE PER MONTH AND AFTER EACH HEAVY STORM.

PROJECT: Cash Property		DATE: 2/9/2016	
PRACTICES AND SIZING			
Pr: 1.0			
BIORETENTION FACILITIES	Area	Pe	Volume Treated
FACILITY	Drainage Area	Imperious I (%)	Rv ESDv 75% ESDv Volume Stored Volume treated (V/0.75) Pe Treated
MBR-1	8898	5000 56%	0.558 412.1 309.1 483 cf 656.67 cf 1.59
MBR-2	9615	4555 47%	0.476 381.7 288.3 482 cf 615.33 cf 1.61
MBR-3	17366	5352 31%	0.327 473.8 355.3 487 cf 648.67 cf 1.37
		TOTAL: 1440.6 cf 1920.7 cf	
NON-ROOFTOP DISCONNECTS			
FACILITY	Disconnect Area	Receiving Area	Pe Volume Treated
D-1	1359	1448 1"	113
		TOTAL: 113 cf	

NOTE: DETAILED ON-SITE SWALE AND STORMWATER FACILITY DETAILS WILL BE PROVIDED WITH THE GRADING PLANS.



APPROVED: DEPARTMENT OF PLANNING AND ZONING

Kathleen 3-2-16
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Chad 3-2-16
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

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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. 28376, Expiration Date: 01/01/17.

2-17-16

OWNER: JONAS W. CASH
 JOAN C. CASH
 3925 FOLLY QUARTER ROAD
 ELLICOTT CITY, MARYLAND 21042
 410-531-2680

PROJECT: FOLLY EQUINE ESTATES
 LOTS 1-3 AND
 BUILDABLE PRESERVATION PARCEL 'A'
 ZONED: RC-DEO

LOCATION: TAX MAP 23, GRID 14
 PARCEL 30
 3rd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE: SUPPLEMENTAL PLAN
 GRADING AND SWM CONCEPT

DATE: NOVEMBER 2015
 FEBRUARY 2016 PROJECT NO. 2100

SCALE: AS SHOWN DRAWING 2 OF 3

Design: AM/JCO Draft: JCO Check: AM

- Planting Notes:**
- Three planting options are provided to allow flexibility for the property owner. Only one planting option schedule needs to be followed.
 - Planting density based spacing requirements: 1" caliper trees @ 15' on center, whips with shelter @ 11' on center.
 - 1" caliper trees should be staggered along the perimeter of the planting area to serve as demarcation of the boundary. The trees should be no closer than 15 foot spacing. 2.5" caliper trees shall be planted along the property boundary within 10' of boundary edge and approximately 60' apart.
 - Planting may be made in a curvilinear fashion along contour. The planting should avoid a grid appearance but should be spaced to facilitate maintenance.
 - Multiflora rose/heavy brush removal/control may be required prior to installation of planting.
 - All whips are required to be installed with tree shelters per Howard County FCA requirements.
 - Planting units defined by the spacing requirements established in the FCA Manual. One plant unit is defined as 1 seedling or whip without shelter. The Manual states that 700 seedlings/whips without shelters are required per acre, or 350 whips with shelters, or 200 1" caliper trees, or 100 2" caliper trees. By conversion it has been determined that a seedling or whip without shelter = 1 unit, whip with shelter = 2 units, 1" caliper tree = 3.5 units and 2" caliper tree = 7 units. The use of plant units simplifies the plant density calculations when mixing stock size.

FOREST CONSERVATION EASEMENTS

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 and reforestation areas of the subject property.

- REFORESTATION NOTES**
- A. Planting Plan and Methods**
- Plant species selection was based on our knowledge regarding plant communities in Maryland's Piedmont Plateau and information provided in the soil survey on typical vegetation for the soil type on the planting site. Species selection was also based on our knowledge of plant availability in the nursery industry.
- Reforestation will be accomplished through a mixed planting of whips and branched transplants. Container grown stock is recommended but bareroot stock may be used to help control afforestation costs. If bareroot stock is used the root systems of all plants will be dipped in an anti-desiccant gel prior to planting to improve moisture retention in the root systems.
- Prior to planting the proposed Forest Conservation Easements all multiflora rose in the planting area shall be removed. Removal of the rose may be performed with moving and herbicide treatments. Physical removal of all top growth following by a periodic herbicide treatment of stump sprouts is recommended. Native tree and shrub species occurring within the rose thickets should be retained wherever possible. Herbicide treatments shall occur on 2 month intervals during the first growing season and once each in the spring and fall for subsequent years. Herbicide used shall be made specifically to address woody plant material and shall be applied as per manufacturer's specifications, as needed. Care should be taken not to spray planted trees or naturally occurring native tree/shrub seedlings. It is recommended that initiation of rose removal begin at least six months prior to planting.
- B. Planting and Site Inspections**
- Plant material will be installed in accordance with the Planting Detail and Planting Specifications shown on the Forest Conservation Plan.
- Amendments to existing soil will be in accordance with the Planting Specifications shown on the Forest Conservation Plan. Soil disturbance will be limited to individual planting locations.
- C. Guarantee Requirements**
- A 90 percent survival rate of the reforestation plantings will be required after one growing season. All plant material below the 90 percent survival threshold will be replaced at the beginning of the second growing season. At the end of the second growing season, a 75 percent survival rate will be required. All plant material below the 75 percent survival threshold will be replaced by the beginning of the next growing season.
- D. Security for Reforestation**
- Section 16-1209 of the Howard County Forest Conservation Act requires that a developer shall post a security (bond, letter of credit, etc.) with the County to insure that all work is done in accordance with the FCP.

- MANAGEMENT PLAN**
- Howard County requires a two year management plan be prepared as part of the forest conservation plan. The plan goes into effect upon acceptance of the certification of completion by the County.
- The following items will be incorporated into the plan:
- A. Fencing and Signage**
- Permanent signage indicating the limits of the retention/reforestation area shall be maintained.
- B. General Site Inspections/Maintenance of Plantings**
- Site inspections will be performed a minimum of three times during the growing season. The purpose of the inspections will be to assess the health of the afforestation plantings. Appropriate measures will be taken to rectify any problems which may arise.
- In addition, maintenance of the afforestation plantings will involve the following steps:
1. Watering - All plant material shall be watered twice a month during the 1st growing season, more or less frequently depending on weather conditions. During the second growing season, once a month during May-September, if needed.
 2. Removal of invasive exotics and noxious weeds. Old field successional species will be retained.
 3. Identification of serious plant pests and diseases, treatment with appropriate agent.
 4. Pruning of dead branches.
 5. After 12 and 24 months, replacement of plants, if required, in accordance with the Guarantee Requirements shown on the FCP.
- C. Education**
- 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 information explaining the intent of the forest conservation law.
- D. Final Inspection**
- 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 release the developer from all future obligations and release the developer's bond.

- Planting/Soil Specifications**
1. Installation of bareroot/plug plant stock shall take place between March 15 - April 20, B&B container stock March 15 - May 30 or September 15 - November 15. Fall planting of B&B stock is not recommended.
 2. Disturbed areas shall be seeded and stabilized as per general construction plan for project. Planting areas not impacted by site grading shall have no additional topsoil installed.
 3. Bareroot plants shall be installed so that the top of root mass is level with the top of existing grade. Roots shall be dipped in an anti-desiccant gel prior to planting. Backfill in the planting pits shall consist of 3 parts existing soil to 1 part pine fines or equivalent.
 4. Fertilizer shall consist of Agriform 22-8-2, or equivalent, applied as per manufacturer's specifications, for woody plants. Herbaceous plant shall be fertilized with Osmocote 8-6-12.
 5. Plant material shall be transported to the site in a tarp or covered truck. Plants shall be kept moist prior to planting.
 6. The contractor shall remove all non-organic debris associated with the planting operation from the site.
- Sequence of Construction**
1. Plants shall be installed as per Plant Schedule and the Planting/Soil Specifications for the project.
 2. Upon completion of the planting, signage shall be installed as shown.
 3. Plantings shall be maintained and guaranteed in accordance with the Maintenance and Guarantee requirements for project.

- Maintenance of Plantings**
1. Maintenance of plantings shall last for a period of (3) years.
 2. Plantings must receive 2 gallons of water, either through precipitation or watering, weekly during the 1st growing season, as needed. During second growing season, once a month during May-September, if needed.
 3. Invasive exotics and noxious weeds will be removed, as required, from planting areas mechanically and/or with limited herbicide. Old field successional species will be retained.
 4. Plants shall be examined a minimum two times during the growing season for serious plant pests and diseases. Serious problems will be treated with the appropriate agent.
 5. Dead branches will be pruned from plantings.
- Guarantee Requirements**
1. A 75 percent survival rate of reforestation plantings will be required at the end of two growing seasons. All plant material below the 75 percent threshold will be replaced at the beginning of the next growing season. Wild trees arising from natural regeneration may be counted up to 50 percent towards the total survival number if they are healthy, native species at least 12 inches tall.
- Education of New Occupants**
1. The developer shall provide educational information to all property owners within the new development/home about the proper use of forest conservation areas.
- Final Inspection and Release of Obligations**
1. At the end of the post-construction management and protection period the developer shall submit a certification to the County that all forest conservation areas have remained intact or have been restored to appropriate condition, that the stipulated survival rates have been achieved, and that any permanent protection measures required by the plan are in place. Upon review and acceptance, the County will inform the developer of their release of the development of future obligations related to the Forest Conservation Act.

SITE DATA TABULATION (AREA OF DEVELOPMENT)

1. TOTAL AREA OF DEVELOPMENT.....	3.53± AC.
2. AREA OF 100 YEAR FLOODPLAIN.....	NA
3. NET AREA OF SITE.....	3.53± AC.
4. TOTAL FOREST ON NET AREA.....	0.00± AC.
5. TOTAL FOREST AREA IN EASEMENT.....	N/A
6. TOTAL AFFORESTATION AREA IN EASEMENT.....	0.71± AC.

FOR BEARINGS AND DISTANCES OF FOREST CONSERVATION BOUNDARIES SEE RECORD PLAT

FOREST CONSERVATION WORKSHEET CASH PROPERTY

NET TRACT AREA:

A. Total tract area ...	3.53
B. Land dedication acres (parks, county facility, etc.) ...	0.00
C. Land dedication for roads or utilities (not being constructed by this plan) ...	0.00
D. Area to remain in commercial agricultural production/use ...	0.00
E. Other deductions (specify)	0.00
F. Net Tract Area	3.53

LAND USE CATEGORY: (from Trees Technical Manual)
Input the number "1" under the appropriate land use, limit to only one entry.

ARA	MDR	IDA	HDR	MPD	OA
0	1	0	0	0	0

G. Afforestation Threshold ...	20%	X F =	0.71
H. Conservation Threshold ...	25%	X F =	0.88

EXISTING FOREST COVER:

I. Existing forest cover	0.00
J. Area of forest above afforestation threshold	0.00
K. Area of forest above conservation threshold	0.00

BREAK EVEN POINT:

L. Forest retention above threshold with no mitigation	0.00
M. Clearing permitted without mitigation	0.00

PROPOSED FOREST CLEARING:

N. Total area of forest to be cleared	0.00
O. Total area of forest to be retained	0.00

PLANTING REQUIREMENTS:

P. Reforestation for clearing above conservation threshold	0.00
Q. Reforestation for clearing below conservation threshold	0.00
R. Credit for retention above conservation threshold	0.00
S. Total reforestation required	0.00
T. Total afforestation required	0.71
U. Credit for landscaping (may not exceed 20% of "S")	0.00
V. Total reforestation and afforestation required	0.71

NOTE: THIS SUBDIVISION IS UTILIZING OPTION 'A' OF APPENDIX 1.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Kathleen 3-2-16 DATE
CHIEF, DIVISION OF LAND DEVELOPMENT

Chad 3-2-16 DATE
CHIEF, DEVELOPMENT ENGINEERING DIVISION

5-Aug-02

FOREST CONSERVATION NOTES:

1. FINANCIAL SURETY FOR THE PLANTING SHALL BE POSTED AS PART OF THE DEVELOPER'S AGREEMENT FOR THIS SITE DEVELOPMENT PLAN IN THE AMOUNT OF \$15,464 FOR 0.71 ACRES OF ON-SITE REFORESTATION.
2. ANY FOREST CONSERVATION EASEMENT (FCE) AREA SHOWN HEREON IS SUBJECT TO PROTECTIVE COVENANTS AS CONTAINED IN THE DEED OF FOREST CONSERVATION EASEMENT RECORDED IN THE LAND RECORDS OF HOWARD COUNTY, MD, WHICH RESTRICT THE DISTURBANCE AND USE OF THESE AREAS.
3. THE FOREST CONSERVATION EASEMENT HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE, FOREST CONSERVATION ACT. NO CLEARING, GRADING, OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT; HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED.
4. LIMITS OF DISTURBANCE SHALL BE RESTRICTED TO AREAS OUTSIDE THE LIMIT OF TEMPORARY FENCING OR THE FCE BOUNDARY, WHICHEVER IS GREATER.
5. THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION OR DISTURBANCE OF VEGETATION IN THE FOREST CONSERVATION EASEMENT, EXCEPT AS PERMITTED BY HOWARD COUNTY DPZ. NO STOCKPILES, PARKING AREAS, EQUIPMENT CLEANING AREA, ETC. SHALL OCCUR WITHIN THE FOREST CONSERVATION EASEMENT.
6. TEMPORARY FENCING SHALL BE USED TO PROTECT FOREST RESOURCES DURING ANY CONSTRUCTION. THE FENCING SHALL BE PLACED ALONG ALL FCE RETENTION BOUNDARIES WHICH OCCUR WITHIN 50 FEET OF THE PROPOSED LIMITS OF DISTURBANCE THAT DOES NOT ALREADY HAVE A SUPER SILT FENCE PROPOSED.
7. PERMANENT SIGNAGE SHALL BE PLACED 50'-100' APART ALONG THE BOUNDARIES OF ALL FOREST CONSERVATION EASEMENTS. THIS SIGNAGE SHALL STAY IN PERPETUITY. THE FOREST EASEMENT AREA CLOSEST TO THE HOUSE SHALL HAVE SIGNS EVERY 50'.
8. THERE IS NO 100-YEAR FLOODPLAIN LOCATED IN THE AREA OF PROPOSED DEVELOPMENT.
9. THE FOREST CONSERVATION WATERSHED FOR THIS PROJECT IS THE PATUXENT RIVER.
10. THERE ARE NO RARE, THREATENED OR ENDANGERED SPECIES LOCATED ON THIS SITE. THERE IS A STREAM AND ASSOCIATED WETLANDS ON THE NORTH PORTION OF THIS PROPERTY. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO HISTORIC STRUCTURES LOCATED ON THIS SITE. THERE ARE SPECIMEN TREES LOCATED ON THIS SITE AS SHOWN ON THE PLAN AND SPECIMEN TREE CHART.
11. PLANTING IS NOT ALLOWED WITHIN 20' FEET OF THE BGE TRANSMISSION EASEMENT. THE PLANTINGS IN THE 25' OF THE PLANTING AREA CLOSEST TO THE TRANSMISSION LINE EASEMENT ARE RESTRICTED TO ONLY NATIVE SPECIES THAT HAVE MATURE HEIGHTS OF 40' MAXIMUM ARE PERMITTED (Acer rubrum, Cornus florida AND Prunus serotina).

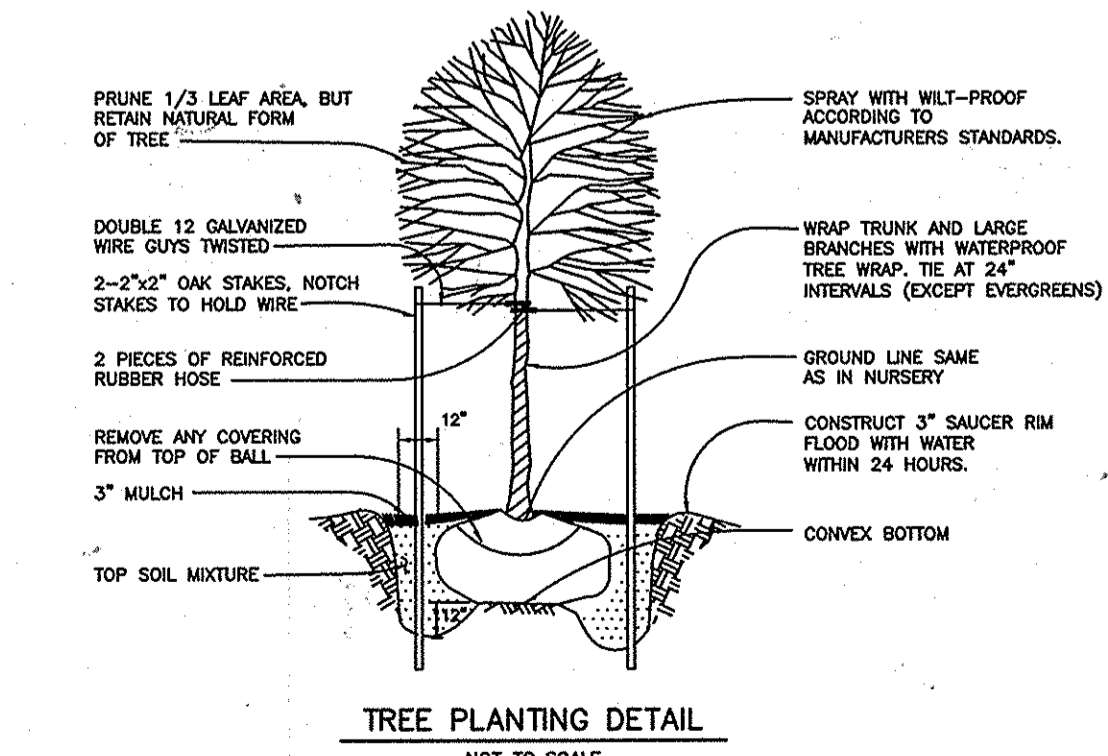
CATEGORY	ADJACENT TO:	PERIMETER PROPERTY	TRASH PAD SCREENING
LANDSCAPE TYPE		① A	
LINEAR FEET OF PERIMETER		2378'	
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)		NO	
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)		NO	
NUMBER OF PLANTS REQUIRED			
SHADE TREES	40	-	-
EVERGREEN TREES	-	-	-
OTHER TREES (2:1 SUBSTITUTE)	-	-	-
SHRUBS	-	-	4
NUMBER OF PLANTS PROVIDED			
SHADE TREES	40	-	-
EVERGREEN TREES	-	-	-
OTHER TREES (2:1 SUBSTITUTE)	-	-	-
SHRUBS (10:1 SUBSTITUTE) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	-	-	4

SYMBOL	QUANTITY	NAME	REMARKS
+	20	PLANTANUS ACOEFOLIA (Bloodgood London Plane)	2 1/2" MIN. CAL. B&B FULL HEAD
⊙	20	QUERCUS COCCINEA SCARLET OAK	2 1/2" MIN. CAL. B&B FULL HEAD
☼	4	ILEX X MESERVAE BLUE PRINCE HOLLY	3 1/2' TO 4' ht.
⊕	8	ACER RUBRUM RED SUNSET/ RED SUNSET RED MAPLE	3" TO 4" MIN. CAL

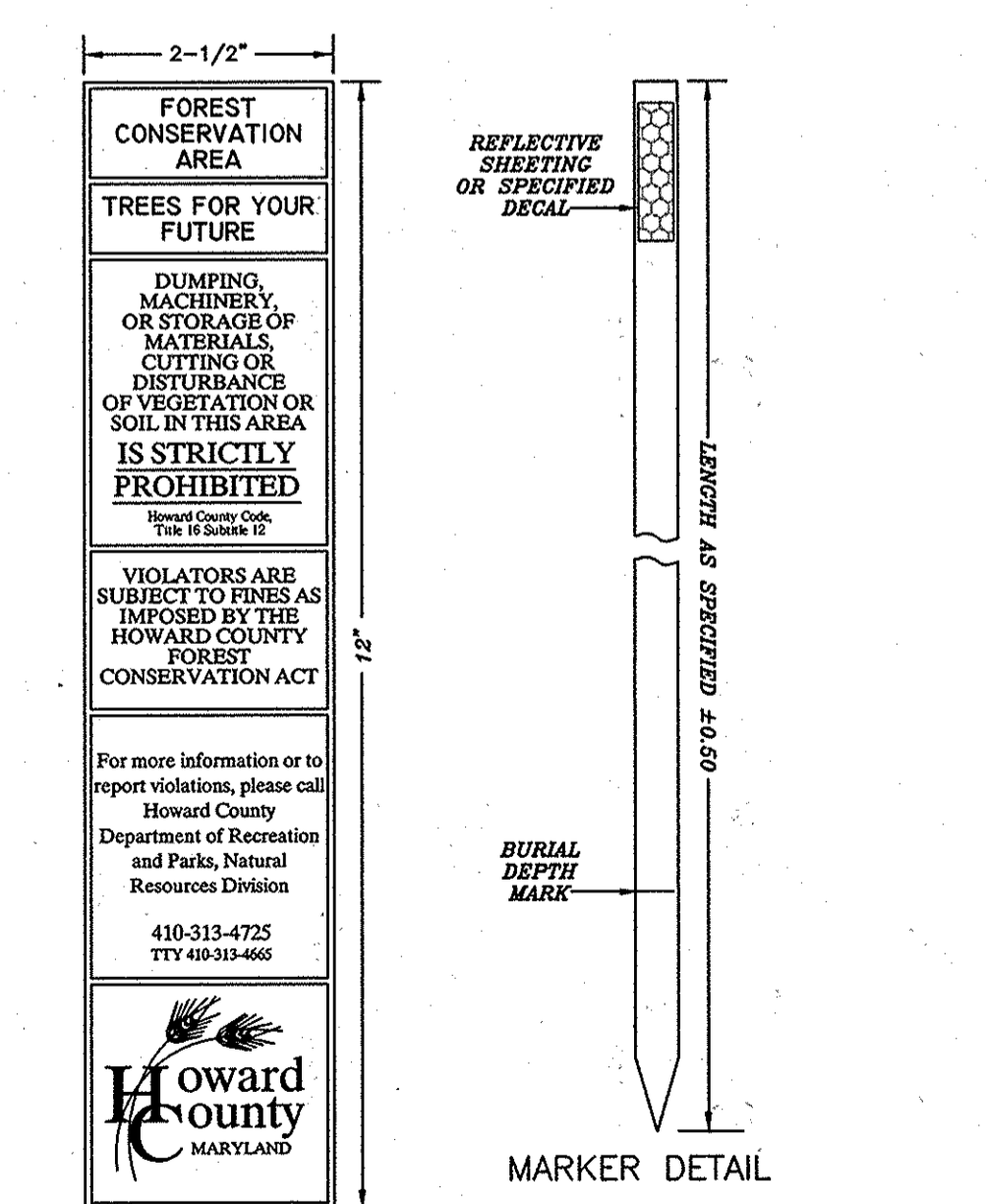
DEVELOPER'S/BUILDER'S CERTIFICATE

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION OF 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.

Jonas W. Cash 2/5/16 DATE
DEVELOPER



TREE PLANTING DETAIL
NOT TO SCALE

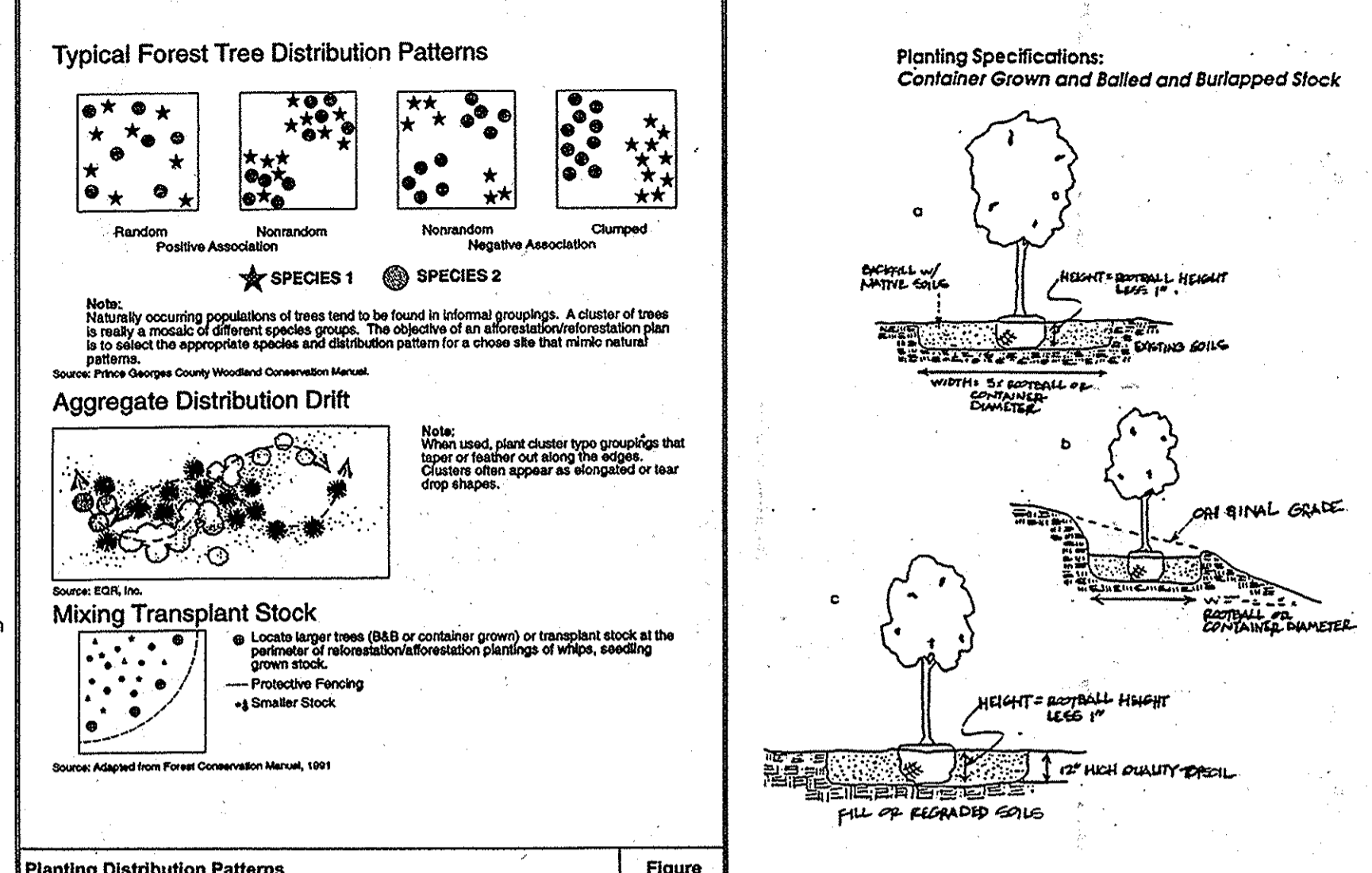


DECAL SPECIFICATIONS

Materials: Minimum 600 Scotchbond non-reflective substrate.
Color: Dark green text and border on beige background.

MARKER - SECTION VIEW
NOT TO SCALE

FCE CARSONITE MARKER



FOREST CONSERVATION EASEMENT (0.71 ACRES ± = 248 TREES REQ.)

QTY.	SPECIES	SIZE	SPACING
45	Acer rubrum - RED MAPLE	2-3" WHIP	**
45	Cornus florida - FLOWERING DOGWOOD	2-3" WHIP	**
40	Liriodendron tulipifera - POPLAR	2-3" WHIP	**
25	Nyssa sylvatica - BLACK GUM	2-3" WHIP	**
25	Prunus serotina - BLACK CHERRY	2-3" WHIP	**
25	Quercus alba - WHITE OAK	2-3" WHIP	**
20	Quercus rubra - RED OAK	2-3" WHIP	**
20	Sassafras albidum - SASSAFRAS	2-3" WHIP	**

KEY:

** PLANTINGS TO BE SPACED 11 FOOT CENTERS - PLANTINGS SHOULD BE INSTALLED IN ROWS TO FACILITATE FUTURE MAINTENANCE. WHERE POSSIBLE ROWS SHOULD BE MADE ALONG CONTOUR.

PER COUNTY REQUIREMENTS, TREE SHELTERS SHOULD BE USED.

LANDSCAPING NOTES:

1. PERIMETER LANDSCAPING SHALL BE PROVIDED BY THE PLANTINGS AS SHOWN ON 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. THE LANDSCAPING FOR THIS PROJECT IS SHOWN WITHIN THE SUPPLEMENTAL PLANS FOR F-16-012 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 DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$14,500 FOR 40 SHADE TREES, 8 MITIGATION TREES AND 4 SHRUBS FOR TRASH PAD SCREENING.
6. FOUR SPECIMEN TREES HAVE BEEN IDENTIFIED FOR REMOVAL ON THIS PLAN (ST-1, ST-2, ST-8 AND ST-9). SHOULD THESE TREES BE PRESERVED, AND/OR 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. THE OWNER, TENANT AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, PLANT MATERIALS, 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. ALL REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.
8. AT THE TIME OF REINSTATEMENT, ALL SHRUBS AND OTHER PLANTINGS HEREWITH IN LISTED AND APPROVED FOR THIS SITE SHALL BE OF THE PROPER HEIGHT, REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OR REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN MAY RESULT IN DENIAL OF 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.

BENCHMARK ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE & SUITE 315
ELLCOTT CITY, MARYLAND 21043
PHONE: 410-485-6105 FAX: 410-485-6644
www.bel-civilengineering.com

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. 28376, Expiration Date: 01/01/17.

OWNER: JONAS W. CASH JOAN C. CASH 3925 FOLLY QUARTER ROAD ELLCOTT CITY, MARYLAND 21042 410-531-2680	PROJECT: FOLLY EQUINE ESTATES LOTS 1-3 AND BUILDABLE PRESERVATION PARCEL 'A' ZONED: RC-DEO	LOCATION: TAX MAP 23 - GRID 14 PARCEL 30 3rd ELECTION DISTRICT HOWARD COUNTY, MARYLAND	TITLE: FOREST CONSERVATION DETAILS AND LANDSCAPE SCHEDULES
DATE: NOVEMBER 2015 FEBRUARY 2016	PROJECT NO.: 2100	SCALE: AS SHOWN	
Design: AM/JCO	Draft: JCO	Check: AM	DRAWING 3 OF 3