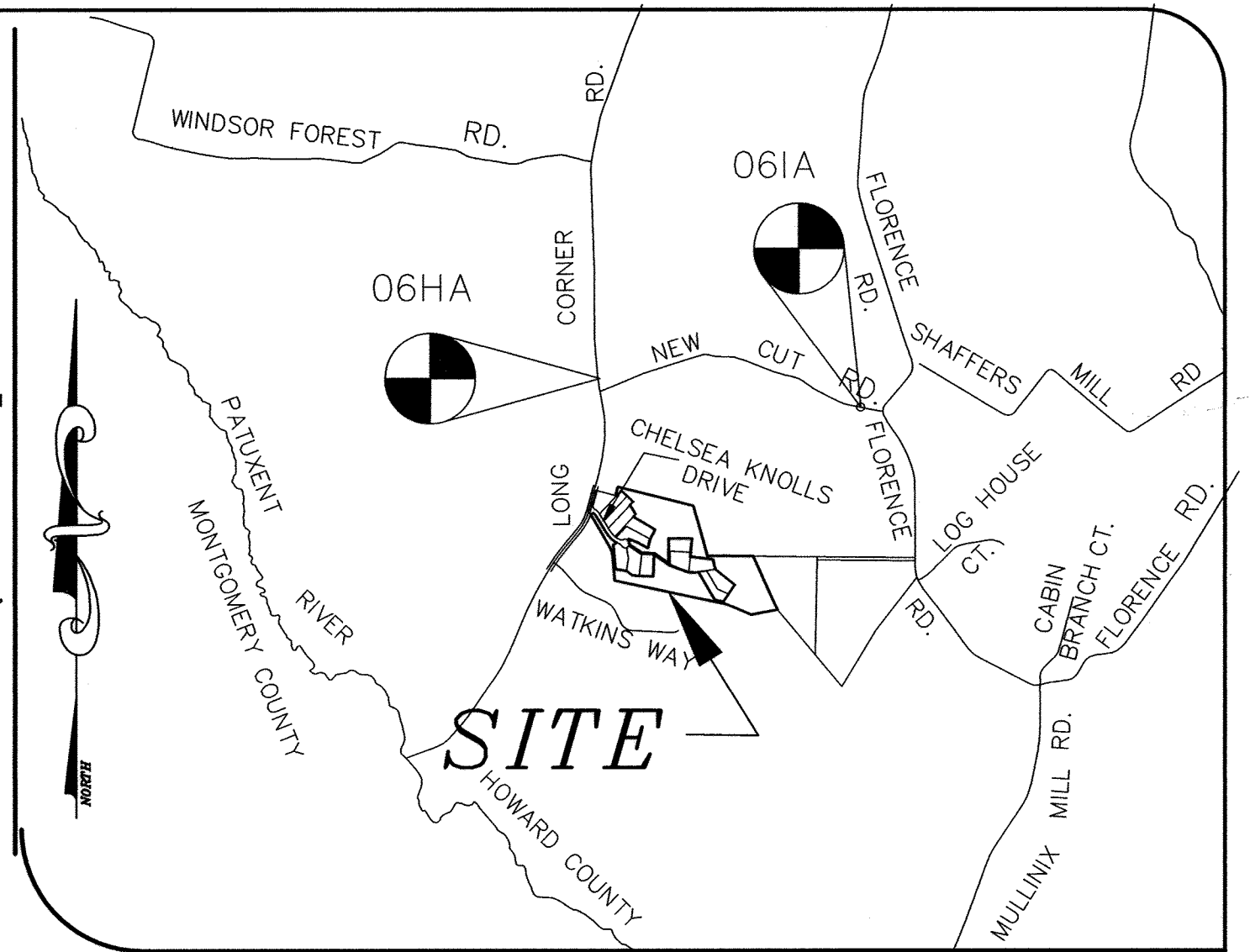


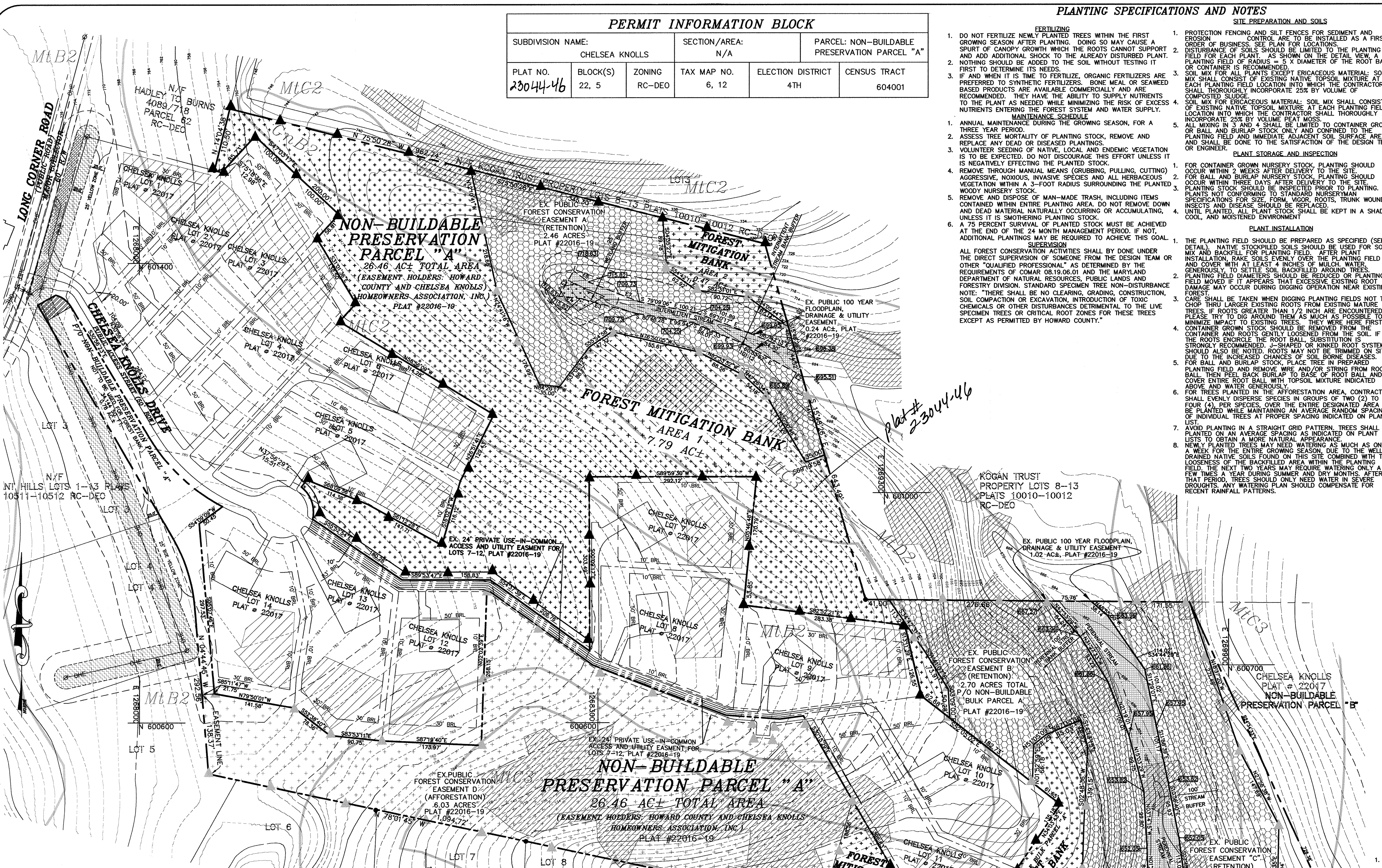
PERMIT INFORMATION BLOCK					
SUBDIVISION NAME:		SECTION/AREA:	PARCEL: NON-BUILDABLE PRESERVATION PARCEL "A"		
CHELSEA KNOLLS		N/A			
PLAT NO.	BLOCK(S)	ZONING	TAX MAP NO.	ELECTION DISTRICT	CENSUS TRACT
2304446	22, 5	RC-DEO	6, 12	4TH	604001

- ### PLANTING SPECIFICATIONS AND NOTES
- DO NOT FERTILIZE NEWLY PLANTED TREES WITHIN THE FIRST GROWING SEASON AFTER PLANTING. DOING SO MAY CAUSE A SPURT OF CANOPY GROWTH WHICH THE ROOTS CANNOT SUPPORT AND ADD ADDITIONAL SHOCK TO THE ALREADY DISTURBED PLANT.
  - NOTHING SHOULD BE ADDED TO THE SOIL WITHOUT TESTING IT FIRST TO DETERMINE ITS NEEDS.
  - IF AND WHEN IT IS TIME TO FERTILIZE, ORGANIC FERTILIZERS ARE PREFERRED TO SYNTHETIC FERTILIZERS. BONE MEAL OR SEAWEED BASED PRODUCTS ARE AVAILABLE COMMERCIALY AND ARE RECOMMENDED. THEY HAVE THE ABILITY TO SUPPLY NUTRIENTS TO THE PLANT AS WELL AS TO IMPROVE SOIL STRUCTURE AND NUTRIENTS ENTERING THE FOREST SYSTEM AND WATER SUPPLY. MAINTENANCE SCHEDULE:
    - ANNUAL MAINTENANCE DURING THE GROWING SEASON, FOR A THREE YEAR PERIOD.
    - ASSESS TREE MORTALITY OF PLANTING STOCK, REMOVE AND REPLACE ANY DEAD OR DISEASED PLANTINGS.
    - VOLUNTEER SEEDING OF NATIVE, LOCAL AND ENDEMIC VEGETATION IS TO BE ENCOURAGED. THIS EFFORT UNLESS IT IS NEGATIVELY EFFECTING THE PLANTED STOCK.
    - REMOVE THROUGH MANUAL MEANS (GRUBBING, PULLING, CUTTING) AGGRESSIVE, NOXIOUS, INVASIVE SPECIES AND ALL HERBACEOUS VEGETATION WITHIN A 3-FOOT RADIUS SURROUNDING THE PLANTED WOODY NURSERY STOCK.
    - REMOVE AND DISPOSE OF MAN-MADE TRASH, INCLUDING ITEMS CONTAINED WITHIN ENTIRE PLANTING AREA. DO NOT REMOVE DOWN AND DEAD MATERIAL NATURALLY OCCURRING OR ACCUMULATING, UNLESS IT IS SMOTHERING PLANTING STOCK.
    - A 75 PERCENT SURVIVAL OF PLANTED STOCK MUST BE ACHIEVED AT THE END OF THE 24 MONTH MANAGEMENT PERIOD. IF NOT, ADDITIONAL PLANTINGS MAY BE REQUIRED TO ACHIEVE THIS GOAL.
- ALL FOREST CONSERVATION ACTIVITIES SHALL BE DONE UNDER THE DIRECT SUPERVISION OF SOMEONE FROM THE DESIGN TEAM OR OTHER "QUALIFIED PROFESSIONAL" AS DETERMINED BY THE REQUIREMENTS OF COMAR 08.10.01 AND THE MARYLAND DEPARTMENT OF NATURAL RESOURCES, PUBLIC LANDS AND FORESTRY DIVISION. STANDARDS SPECIFIC TO NON-DISTURBANCE NOTE: THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION, SOIL COMPACTION OR EXCAVATION, INTRODUCTION OF TOXIC CHEMICALS OR OTHER DISTURBANCES DETRIMENTAL TO THE LIVE SPECIES TREES OR CRITICAL ROOT ZONES FOR THESE TREES EXCEPT AS PERMITTED BY HOWARD COUNTY.



**VICINITY MAP** ADC MAP COORDINATES: 7 D-8  
SCALE: 1"=100'

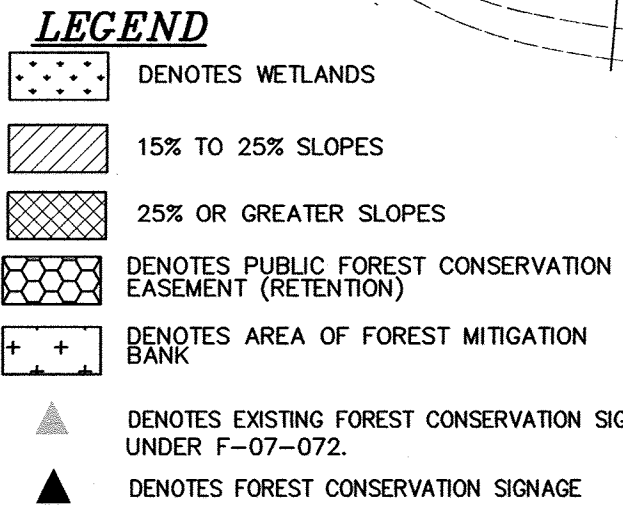
- ### GENERAL NOTES
- SITE DATA:**
    - ZONING: RC-DEO
    - TAX MAP 6 & 12 PARCEL 78
    - NUMBER OF NON-BUILDABLE PRESERVATION PARCELS: 1 (A)
    - AREA OF PROPOSED PRESERVATION PARCEL: 26.46 ACRES
    - AREA OF 100 YEAR FLOOD PLAIN: 1.26 ACRES
    - AREA OF EXISTING FOREST CONSERVATION EASEMENTS: 12.61 ACRES
    - AREA NOT TO BE PLANTED (NEAR POWER LINES): 0.78 ACRES
    - TOTAL AREA AVAILABLE FOR FOREST BANK PLANTING: 10.56 ACRES
    - PREVIOUS PROJECT NUMBERS: SP-02-01, RE-04-04, WP-03-34, RE-05-04, F-07-072, PLAT#22016-19
  - COORDINATES BASED ON NAD83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 30A AND 31D.
    - STA. 061A N603004.896, E1267938.951, EL.786.421
    - STA. 061A N602649.523, E1271163.330, EL.714.283
  - SUBJECT PROPERTY ZONED "RC-DEO" PER 10/06/13 COMPREHENSIVE ZONING PLAN.
  - BASED ON AVAILABLE COUNTY DATA, NO HISTORIC STRUCTURES OR BURIAL GROUNDS EXIST ON SITE.
  - NON-CRITICAL FLOODPLAIN STUDY PREPARED BY MILDENBERG, BOENDER & ASSOC. INC., APPROVED ON 2/7/03 UNDER SP-02-01. FLOODPLAIN EXISTS ON PRESERVATION PARCEL "A".
  - WETLAND STUDY PREPARED BY WILDMAN ENVIRONMENTAL SERVICES, INC. IN JULY 2001. APPROVED ON 2/7/03 UNDER SP-02-01.
  - NO STRUCTURES EXIST ON SITE.
  - FOREST STAND DELINEATION WAS PROVIDED BY WILDMAN ENVIRONMENTAL SERVICES UNDER SP-02-01 AND RE-CERTIFIED BY MILDENBERG, BOENDER & ASSOCIATES INC. IN NOVEMBER 2013.
  - NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE WETLANDS, STREAMS OR THEIR BUFFERS, AS DETERMINED BY MARYLAND STATE HIGHWAY ADMINISTRATION STANDARDS AND SPECIFICATIONS IF APPLICABLE.
  - ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MARYLAND STATE HIGHWAY ADMINISTRATION STANDARDS AND SPECIFICATIONS IF APPLICABLE.
  - 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 WORK.
  - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
  - TOPOGRAPHY FOR THE DEVELOPED AREAS IS BASED ON A FIELD SURVEY BY MILDENBERG, BOENDER & ASSOC. ON OR ABOUT SEP. 2001. TOPOGRAPHY FOR THE NON-DEVELOPED AREAS IS BASED ON HOWARD COUNTY 200 SCALE MAPS.
  - THE EXISTING FOREST CONSERVATION EASEMENT HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS FOR F-07-072, CHELSEA KNOLLS, WITH RESPECT TO SECTION 16.1200 OF THE HOWARD COUNTY FOREST CONSERVATION ACT. NO GRADING, REMOVAL OF VEGETATIVE COVER OF TREES, OR PLACEMENT OF NEW STRUCTURES IS PERMITTED WITHIN THE LIMITS OF WETLANDS, STREAM(S), OR THEIR BUFFERS AND FOREST CONSERVATION EASEMENT AREAS; HOWEVER, FOREST MANAGEMENT PRACTICES, AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT, ARE ALLOWED.
  - THE EXISTING FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.1200 OF THE HOWARD COUNTY FOREST CONSERVATION ACT WAS FULFILLED BY PROVIDING A TOTAL OF 9.93 ACRES (1.6 ACRES OF REFORESTATION AND 8.33 ACRES OF AFFORESTATION) WHICH WAS SATISFIED BY PROVIDING 7.81 ACRES OF RETENTION (EASEMENTS A, B AND C) AND 6.03 ACRES OF AFFORESTATION (EASEMENT D). THE TOTAL AREA OF FOREST MITIGATION BANK AREAS 1-4 CREATED WITH THIS PLAN IS 9.65 ACRES. SURETY IN THE AMOUNT OF \$210,177.00 WILL BE POSTED WITH THE DEVELOPERS AGREEMENT.



### FCE/BANK SALES ACREAGE CHART (9.65 AC. TOTAL)

SALE	F/C OBLIGATION	PROJECT NAME	HOWARD CO. FILE NO.	REMAINING ACREAGE
1	1.0 AC ±	WALDEN WOODS	SDP-13-023	8.65 AC ±
2	0.4 AC ±	RESERVATOR ESTATES	F-14-003	8.25 AC ±
3	2.65 AC ±	LIME KILN VALLEY	F-10-009	5.60 AC ±
4	5.60 AC ±	ELK RIDGE WOODS	F-12-008	0.00 AC ±

NOTE - PLANTED AREAS WILL BE ACCESSED WITHOUT THE EQUIPMENT ENCRANCHING INTO THE ENVIRONMENTAL AREAS.



APPROVED: DEPARTMENT OF PLANNING AND ZONING

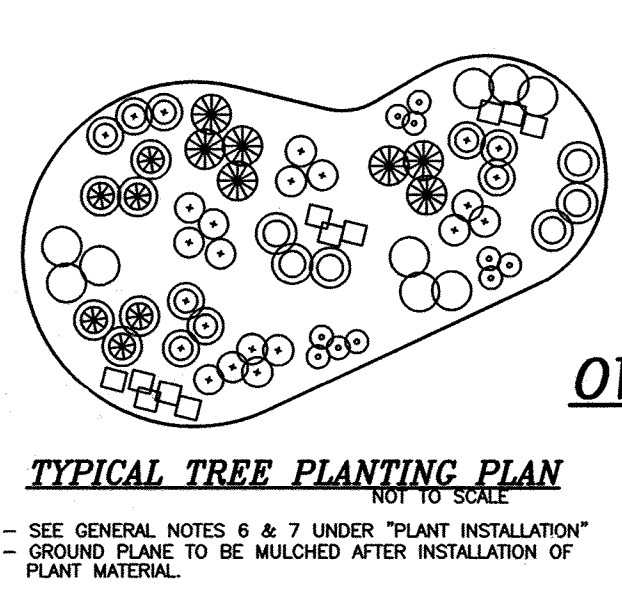
*Chel Edman*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
10-17-14 DATE

*Wesley Lewis*  
CHIEF, DIVISION OF LAND DEVELOPMENT  
12-08-14 DATE

*Frank P. Augle*  
DIRECTOR  
1/10/15 DATE

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. 17942, EXP DATE 9/3/16.

*R. JACOB HIKMAT, P.E.*  
PROFESSIONAL ENGINEER  
10/7/14 DATE

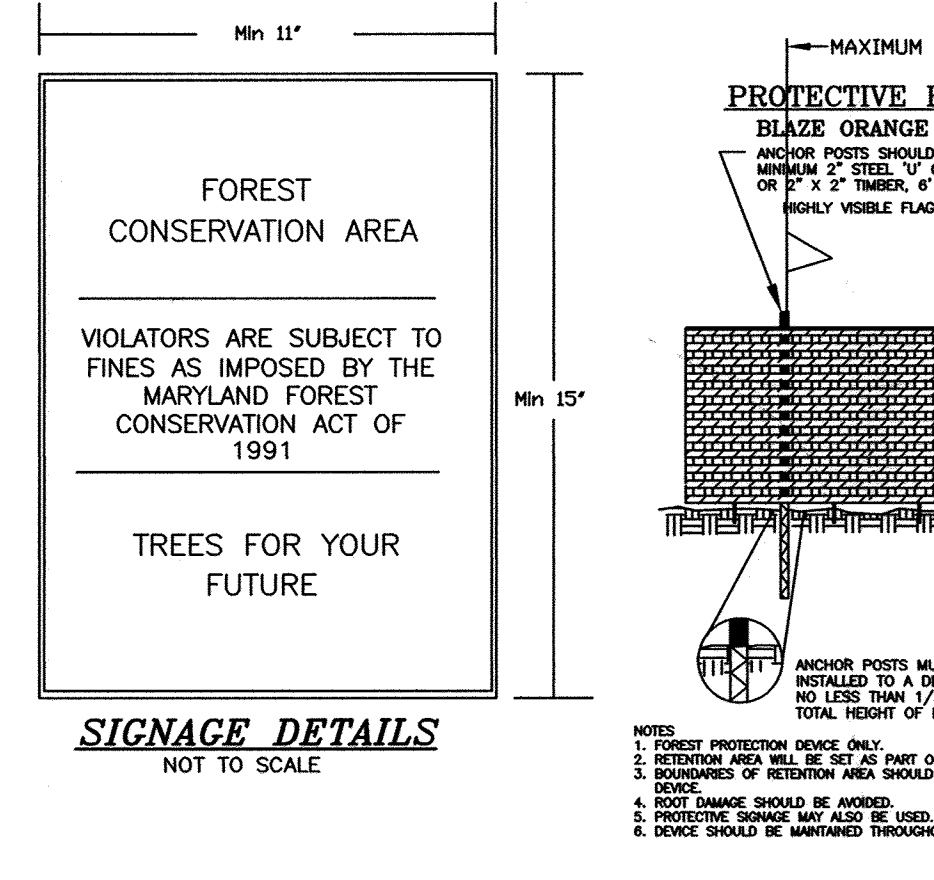


**OWNER/DEVELOPER**

CHELSEA KNOLLS, LC  
1355 BEVERLY RD, SUITE 240  
MCLEAN, VIRGINIA 22101  
(703) 734-9730  
(301) 720-3021

MD DNR QUALIFIED PROFESSIONAL

*Mashid Tringa*  
MASHID TRINGA



### REFORESTATION/AFFORESTATION PLANT LISTS

QTY.	SPECIES	SHADE	MOIST.	WET.	MIND. CONC.	SIZE & SPACING	REMARKS
350	Acer rubrum	VT	D-W	FAC	15'	CONT/B & B	
350	Red Maple				1"	CALIPER	
350	Cornus florida	VT	D-M	FACU	15'	CONT/B & B	
350	Flowering Dogwood				3'-5"	HEIGHT	
350	Liquidambar styraciflua	I	M-W	FAC	15'	CONT/B & B	
350	American Sweet Gum				1"	CALIPER	
190	Sycamore	MT	D-M	FAC	15'	CONT/B & B	
190	Nyssa sylvatica	T	M-W	FAC	15'	CONT/B & B	
190	Black Gum				1"	CALIPER	
290	Prunus serotina	I	M	FACU	15'	CONT/B & B	
290	Wild Black Cherry				3'-5"	HEIGHT	
110	Quercus alba	MT	D-M	FAC	15'	CONT/B & B	
110	White Oak				1"	CALIPER	
100	Viburnum dentatum	T	M	FACU	15'	CONT/B & B	
100	Southern Arrowwood				3'-5"	HEIGHT	

TOTAL: 1,935 TREES AND 100 SHRUBS

NOTE: WHIPS OR SEEDLINGS MAY BE SUBSTITUTED FOR THE 1" CALIPER OR 3'-5" HEIGHT. IF WHIPS OR SEEDLINGS ARE TO BE USED, MULTIPLY THE QUANTITIES BY 3.5 TO DETERMINE THE NUMBER OF TREES REQUIRED.

**MILDENBERG, BOENDER & ASSOC., INC.**  
Surveyors  
Engineers  
7850-B Grace Drive, Columbia, Maryland 21044  
(410) 997-0296 Fax

DATE: OCT 2014  
PROJECT: 01-009  
SCALE: 1"=100'  
APPROVAL: R/H

DATE: 8/2018  
REVISIONS: 1. REV. FCE ACREAGE CHART

CHELSEA KNOLLS  
NON-BUILDABLE PRESERVATION PARCEL "A"  
TAX MAP 6 GRID 22 AND TAX MAP 12, GRID 5, PARCEL 78  
FOURTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
FOREST MITIGATION BANK

1 OF 1