

**LEGEND**

- DENOTES PUBLIC 100 YEAR FLOODPLAIN, DRAINAGE AND UTILITY EASEMENT
- DENOTES PUBLIC FOREST CONSERVATION EASEMENT (RETENTION)
- DENOTES PUBLIC FOREST CONSERVATION EASEMENT (AFFORESTATION)
- DENOTES FOREST CONSERVATION RETENTION AND AFFORESTATION SIGNS

RETENTION FOREST CONSERVATION EASEMENTS		
FCE 1	1.87 AC	RETENTION
FCE 2	4.41 AC	RETENTION
FCE 3	0.35 AC	RETENTION
FCE 4	7.96 AC	RETENTION
<b>TOTAL</b>	<b>14.59 AC</b>	<b>RETENTION</b>

AFFORESTATION FOREST CONSERVATION EASEMENTS		
FCE 4-A	1.59 AC	318 TREES REQUIRED
<b>TOTAL</b>	<b>1.59 AC</b>	<b>318 TREES REQUIRED</b>

**NOTES:**

- ALL AREAS INDICATED ON THIS PLAN AS RETENTION ARE CONSIDERED FOREST IN ACCORDANCE WITH THE STATE OF MARYLAND AND HOWARD COUNTY REGULATIONS. DUE TO THE FACT THAT NO CONSTRUCTION ACTIVITIES ARE PROPOSED OR PLANNED WITHIN THESE AREAS, NO SURVEY OF SPECIMEN TREES IS REQUIRED OR WILL BE PERFORMED. THE DELINEATION OF THESE AREAS WAS COORDINATED WITH THE HOWARD COUNTY DEPARTMENT OF RECREATION AND PARKS IN MARCH 2009.
- THE COUNTY'S DECISION TO ALLOW OFF-SITE RETENTION CREDIT ON A RECORDED PRESERVATION PARCEL WAS BASED ON A NUMBER OF FACTORS, INCLUDING: THE SITE ADJUTS STATE PARK; IT INCLUDES PRIORITY ENVIRONMENTAL FEATURES AND FOREST OF HIGH QUALITY; THE USE OF PRESERVATION EASEMENT DOES NOT PREVENT FOREST CLEARING; AND THE ACCEPTANCE OF THIS ALTERNATIVE SOLUTION WILL RESOLVE A LONG ON-GOING FOREST CONSERVATION PROBLEM AT ROSEBAR.
- NO FOREST CONSERVATION SIGNS ARE REQUIRED TO BE POSTED ALONG THE STATE OF MARYLAND AND SISTERS OF BON SECOURS PROPERTIES.

**GENERAL NOTES**  
**FOREST PROTECTION**

- ALL FOREST PROTECTION AREAS AND ISOLATED POTENTIAL SPECIMEN TREES SHALL BE TEMPORARILY PROTECTED BY WELL ANCHORED BUREAU BAGS. BAGS SHALL BE INSTALLED ALONG THE BOUNDARIES OF THE FOREST PROTECTION AREAS AND SHALL BE INSTALLED ALONG THE PLANS. THE BAGS SHALL BE INSTALLED ALONG THE BOUNDARIES OF THE FOREST PROTECTION AREAS AND SHALL BE INSTALLED ALONG THE BOUNDARIES OF THE FOREST PROTECTION AREAS.
- BLAZE CHAINS, PLASTIC MESH FENCING SHALL BE INSTALLED ALONG THE FOREST PROTECTION BOUNDARY AFTER THE INSTALLATION OF THE FOREST PROTECTION BAGS. ALL TREES WITHIN THE FOREST PROTECTION AREAS SHALL BE PROTECTED BY THE FOREST PROTECTION BAGS. THE FOREST PROTECTION BAGS SHALL BE INSTALLED ALONG THE BOUNDARIES OF THE FOREST PROTECTION AREAS AND SHALL BE INSTALLED ALONG THE BOUNDARIES OF THE FOREST PROTECTION AREAS.
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- PRE-CONSTRUCTION MEETING**
- AFTER THE BOUNDARIES OF THE FOREST RETENTION AREAS HAVE BEEN FIELD LOCATED AND MARKED, AND AFTER THE FOREST PROTECTION BAGS HAVE BEEN INSTALLED, THE DEVELOPER SHALL BE RESPONSIBLE FOR THE FOLLOWING:
    - IDENTIFY THE LOCATIONS OF THE FOREST RETENTION AREAS, SPECIMEN TREES WITHIN 50 FEET OF THE LIMIT OF DISTURBANCE, AND EQUIPMENT STAGING AREAS.
    - CONDUCT A PRE-CONSTRUCTION MEETING WITH THE DEVELOPER, CONTRACTOR OR PROJECT MANAGER, AND HOWARD COUNTY INSPECTORS SHALL ATTEND. THE PURPOSE OF THIS MEETING WILL BE:
      - IDENTIFY THE LOCATIONS OF THE FOREST RETENTION AREAS, SPECIMEN TREES WITHIN 50 FEET OF THE LIMIT OF DISTURBANCE, AND EQUIPMENT STAGING AREAS.
      - CONDUCT A PRE-CONSTRUCTION MEETING WITH THE DEVELOPER, CONTRACTOR OR PROJECT MANAGER, AND HOWARD COUNTY INSPECTORS SHALL ATTEND. THE PURPOSE OF THIS MEETING WILL BE:

- CONSTRUCTION MONITORING**
- THE SITE SHALL BE INSPECTED PERIODICALLY DURING THE CONSTRUCTION OF THE PROJECT. A QUALIFIED PROFESSIONAL SHALL BE RESPONSIBLE FOR IDENTIFYING DAMAGE TO PROTECTED AREAS AND FOR MONITORING CONSTRUCTION ACTIVITIES THAT MAY CAUSE ROOT INJURY, SOIL COMPACTION, SOIL EROSION, OR STRESS CAUSED BY EXCESSIVE DRAINAGE OR DRAINAGE.
  - IF ROOT DAMAGE OR STRESS IS OBSERVED, THE DEVELOPER SHALL IMMEDIATELY TAKE APPROPRIATE MEASURES TO PREVENT FURTHER DAMAGE AND TO RESTORE THE SITE TO ITS ORIGINAL CONDITION. CONSULTATION WITH A PROFESSIONAL ARBORIST SHALL BE REQUIRED.

**LIMITS OF WORK**  
THE CONSTRUCTION PROCEDURE SHALL NOT DAMAGE AREAS OUTSIDE THE LIMITS OF DISTURBANCE AS DESIGNATED ON THE PLANS. ANY DAMAGE SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE AND TO THE SATISFACTION OF THE DESIGN TEAM OR ENGINEER.

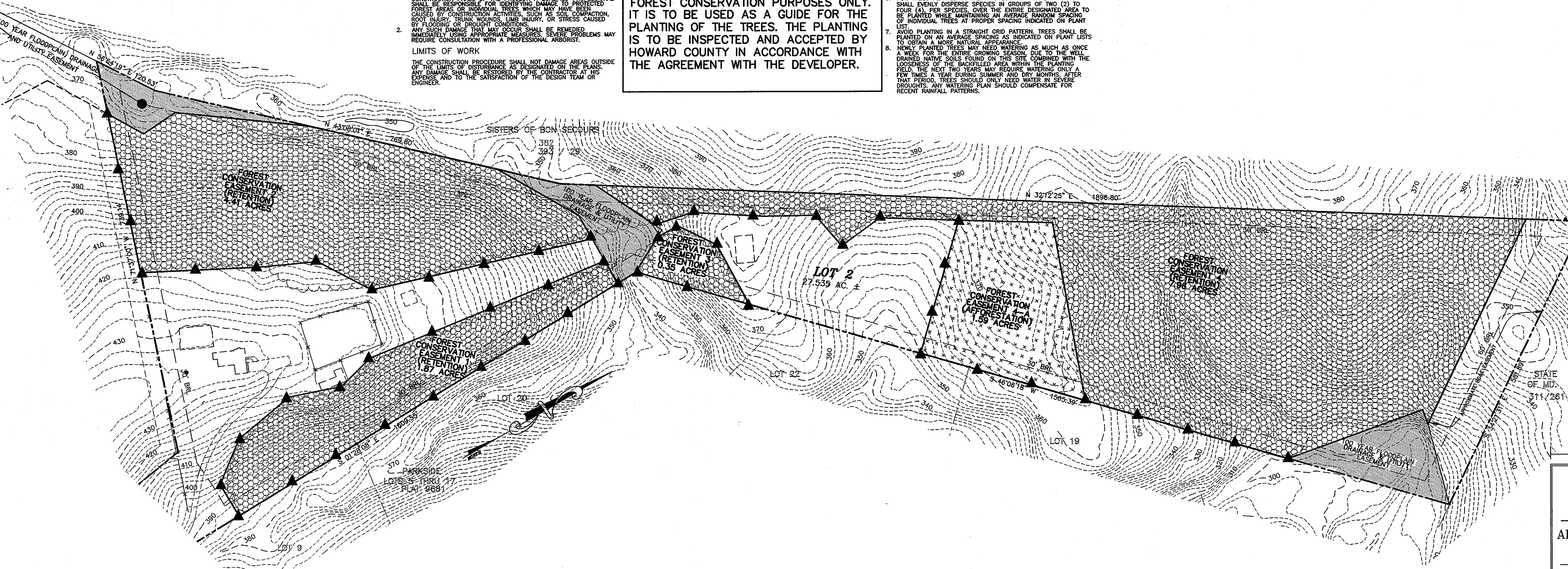
**PLANTING SPECIFICATIONS AND NOTES**

- FERTILIZING**
- DO NOT FERTILIZE NEW 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 STRESS TO THE ALREADY DISTURBED PLANT.
  - 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 NEEDED WHILE MINIMIZING THE RISK OF EXCESS NUTRIENTS ENTERING THE FOREST SYSTEM AND WATER SUPPLY.

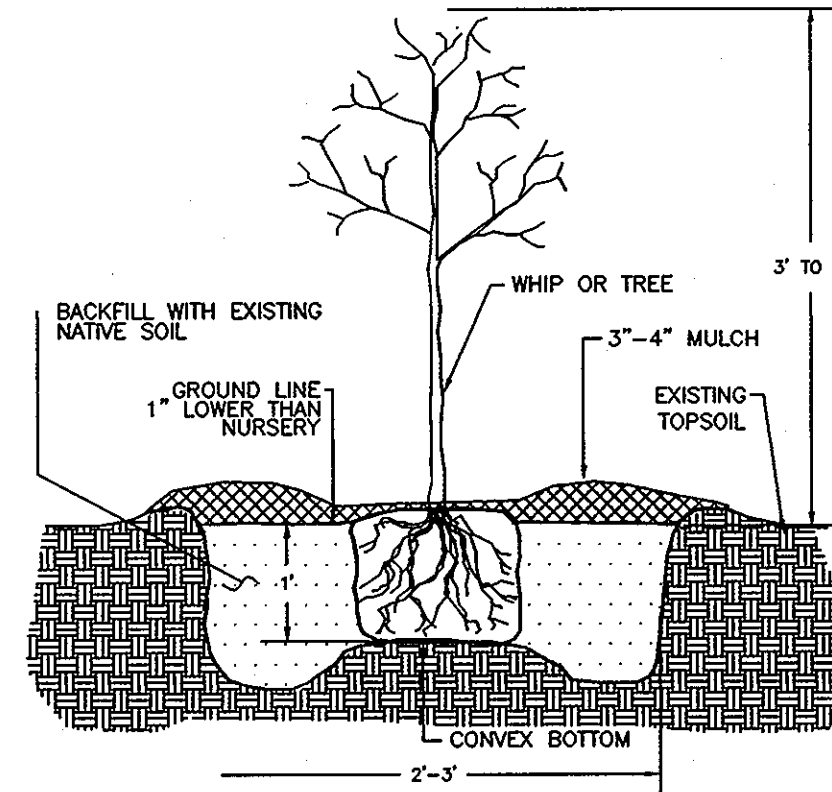
- MAINTENANCE SCHEDULE**
- ANNUAL MAINTENANCE DURING THE GROWING SEASON, FOR A THREE YEAR PERIOD.
  - ASSESS TREE MORTALITY OF PLANTING STOCK. REMOVE AND REPLACE ANY DEAD OR DISEASED PLANTINGS.
  - VOLUNTEER SEEDING OF NATIVE, LOCAL AND ENDING VEGETATION IS TO BE EXPECTED. DO NOT DISCOURAGE THIS EFFORT 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.

**SUPERVISION**  
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 08.19.08.01 AND THE MARYLAND DEPARTMENT OF NATURAL RESOURCES, PUBLIC LANDS AND FORESTRY DIVISION. STANDARD SPECIMEN TREE 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 SPECIMEN TREES OR CRITICAL ROOT ZONES FOR THESE TREES EXCEPT AS PERMITTED BY HOWARD COUNTY.

**NOTE: THIS PLAN IS TO BE USED FOR FOREST CONSERVATION PURPOSES ONLY. IT IS TO BE USED AS A GUIDE FOR THE PLANTING OF THE TREES. THE PLANTING IS TO BE INSPECTED AND ACCEPTED BY HOWARD COUNTY IN ACCORDANCE WITH THE AGREEMENT WITH THE DEVELOPER.**



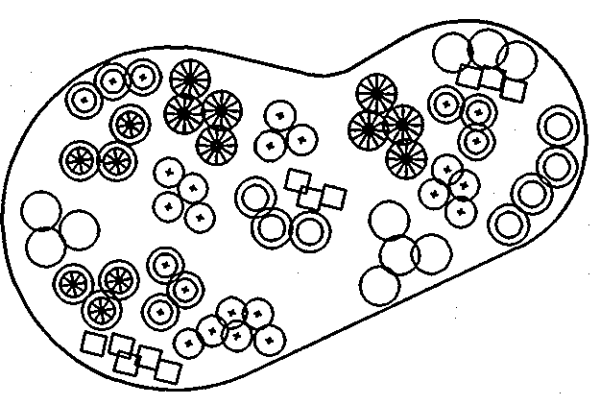
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 [Signature]  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 DATE: 7/20/09  
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 CHIEF, DIVISION OF LAND DEVELOPMENT  
 DATE: 8/10/09



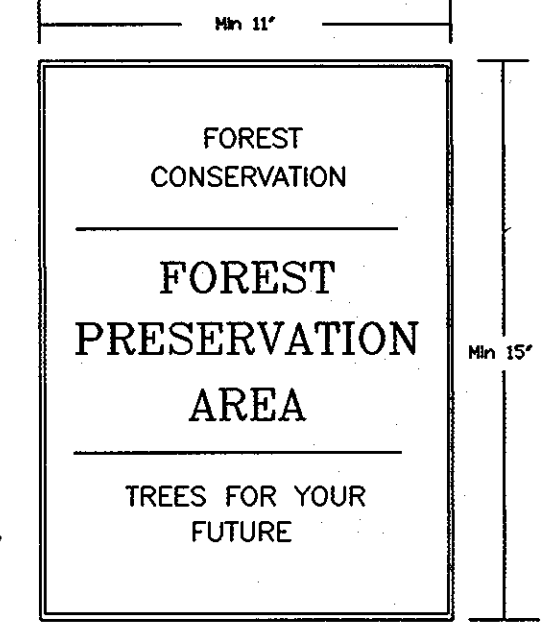
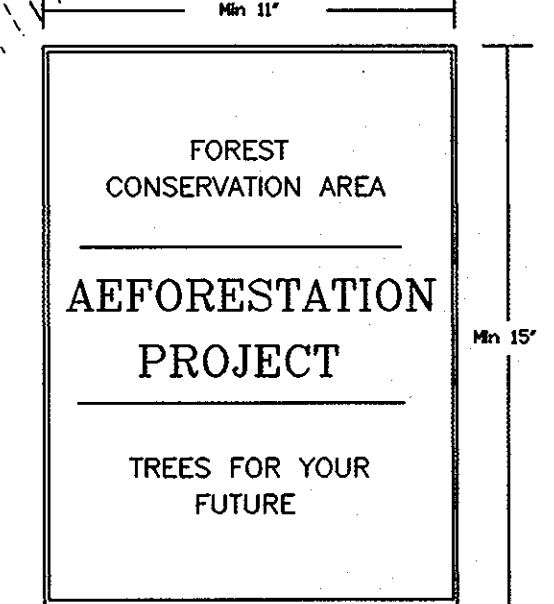
**TREE PLANTING DETAIL**  
CONTAINER GROWN

**REFORESTATION & AFFORESTATION PLANT LISTS (FCE C)**

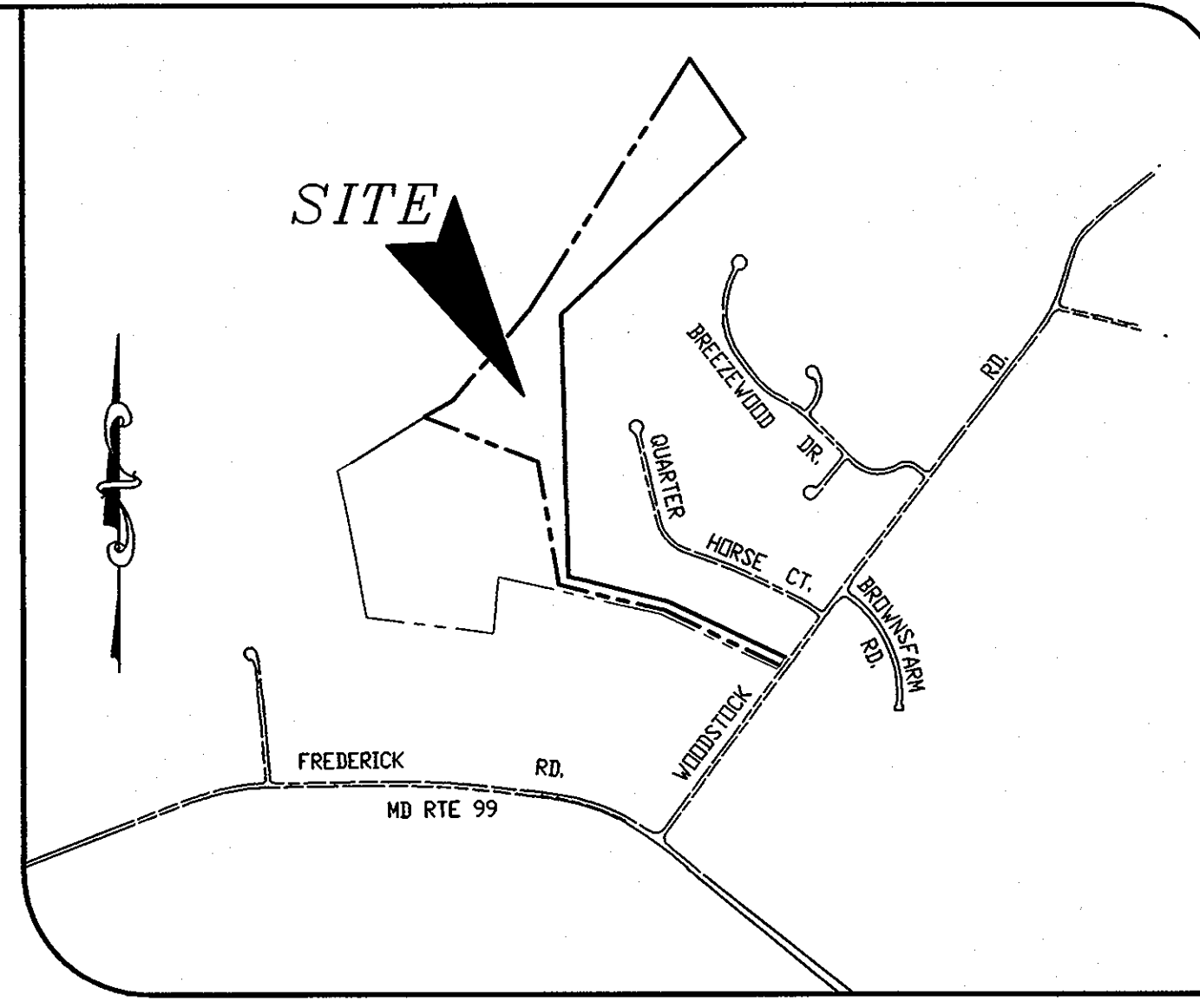
QTY.	SPECIES	SHADE TOL.	MOIST. REQ.	WET. REQ.	MIN.O.C.	SPACING	SIZE & REMARKS
93	Rubus pseudo-occid. Black Locust	VT	D-W	FAC	15'	CONT/B & B	1" CALIPER, WITH TREE SHELTER
65	Cornus florida Flowering Dogwood	VT	D-M	FACU	15'	CONT/B & B	3"-5" HEIGHT, WITH TREE SHELTER
35	Amanchier laevis Serviceberry	I	M-W	FAC	15'	CONT/B & B	1" CALIPER, WITH TREE SHELTER
35	Celtis occidentalis Hackberry	MT	D-M	FAC	15'	CONT/B & B	1" CALIPER, WITH TREE SHELTER
30	Cercis canadensis Redbud	T	M-W	FAC	15'	CONT/B & B	1" CALIPER, WITH TREE SHELTER
30	Prunus serotina Wild Black Cherry	I	M	FACU	15'	CONT/B & B	3"-5" HEIGHT, WITH TREE SHELTER
30	Sassafras albidum Common Sassafras	MT	D-M	FACU	15'	CONT/B & B	1" CALIPER, WITH TREE SHELTER
<b>TOTAL</b>							<b>318 TREES</b>



**TYPICAL TREE PLANTING PLAN**  
NOT TO SCALE  
- SEE GENERAL NOTES 6 & 7 UNDER "PLANT INSTALLATION"  
- GROUND PLANE TO BE MULCHED AFTER INSTALLATION OF PLANT MATERIAL



**SIGNAGE DETAIL**  
NOT TO SCALE



**VICINITY MAP**  
SCALE: 1"=2000

Project	date	description	revisions
03-014	JULY 2009	engineering	
		illustration	
		scale	
		approval	

**HIGH POINT AT BREZEWOOD FARMS**  
 LOT 2  
 TAX MAP 10 - PARCEL 36  
 HOWARD COUNTY, MARYLAND  
 THIRD ELECTION DISTRICT  
 FOREST CONSERVATION, AFFORESTATION, AND PLANTING PLAN

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