

PLANTING SCHEDULE

FOREST CONSERVATION EASEMENT No. 2 (2.80 ACRES)

Qty	Species	Size	Spacing
170	Acer rubrum - Red Maple	3-4"	11' RAN
120	Acer saccharinum - Silver Maple	3-4"	11' RAN
120	Carpinus caroliniana - American Hornbeam	3-4"	11' RAN
120	Nyssa sylvatica - Black Gum	3-4"	11' RAN
120	Platanus occidentalis - American Sycamore	3-4"	11' RAN
120	Quercus palustris - Pin Oak	3-4"	11' RAN
170	Salix nigra - Black Willow	3-4"	11' RAN

ALL PLANTING WILL REQUIRE TREE SHELTERS
TOTAL TREES PROPOSED= 350 TREES/ACRE X 2.80 ACRES = 980 TREES

Forest Conservation Easement Tabulation			
INITIAL (F.C.E. NO. 1) PLAT No. 19844		SECOND (F.C.E. NO. 2)	
TOTAL AREA OF PROPERTY	41.547 ACRES	TOTAL AREA OF PROPERTY	41.547 ACRES
AREA OF FOREST EASEMENT CREATED BY THIS PLAT	2.00 ACRES	AREA OF FOREST EASEMENT CREATED BY THIS PLAT	2.80 ACRES
TOTAL AREA OF FOREST EASEMENT CREATED INCLUDING THIS PLAT	2.00 ACRES	TOTAL AREA OF FOREST EASEMENT CREATED INCLUDING THIS PLAT	4.80 ACRES
SUBDIVISION REQUIRING OFF-SITE REFORESTATION	F-07-030 PHELPS ESTATES LOTS 1, TRAIL 4, T.M. 28, GRID 19, PARCEL 300	SUBDIVISION REQUIRING OFF-SITE REFORESTATION	F-08-203 HALL SHOP MANOR BUILDABLE PRESERVATION PARCEL 'A', T.M. 41, GRID 1, PARCEL 139

FCP NOTES

- ANY FOREST CONSERVATION EASEMENT (FCE) AREA SHOWN HEREON IS SUBJECT TO PROTECTIVE COVENANTS WHICH MAY BE FOUND IN THE LAND RECORDS OF HOWARD COUNTY WHICH RESTRICT THE DISTURBANCE AND USE OF THESE AREAS.
- THE FOREST CONSERVATION EASEMENTS HAVE BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 161200 OF THE HOWARD COUNTY CODE, FOREST CONSERVATION ACT. NO CLEARING, GRADING, OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENTS, HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED.
- FORESTED AREAS OCCURRING OUTSIDE OF THE FCE SHALL NOT BE CONSIDERED PART OF THE FCE AND SHALL NOT BE SUBJECT TO PROTECTIVE LAND COVENANTS.
- LIMITS OF DISTURBANCE SHALL BE RESTRICTED TO AREAS OUTSIDE THE LIMIT OF TEMPORARY FENCING OR THE FCE BOUNDARY, WHICHEVER IS GREATER.
- 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 AREAS, ETC. SHALL OCCUR WITHIN AREAS DESIGNATED.
- TEMPORARY FENCING SHALL BE USED TO PROTECT FOREST RESOURCES DURING CONSTRUCTION. THE FENCING SHALL BE PLACED ALONG ALL FCE BOUNDARIES WHICH OCCUR WITHIN 15 FEET OF THE PROPOSED LIMITS OF
- PERMANENT SIGNAGE SHALL BE PLACED 50' - 100' APART ALONG BOUNDARIES OF ALL AREAS INCLUDED IN
- FOREST CONSERVATION OBLIGATION OF 2.8 ACRES PLANTING TO FULFILL THE REQUIREMENTS OF SECTION 161200 OF THE HOWARD COUNTY CODE FOREST CONSERVATION ACT IS PROVIDED BY OFF-SITE PLANTING ON PROPERTY OF HOBART MULLINEAUX, TAX MAP 6, GRID B, TAX PARCEL NO. 15. A FOREST CONSERVATION SURETY IN THE AMOUNT OF \$60,984.00 BASED ON 2.8 ACRES X 43,560 SQ.FT./ACRES X \$40.50/ACRES WILL BE POSTED WITH THE DEVELOPER'S AGREEMENT ASSOCIATED WITH HALL SHOP MANOR, BUILDABLE PRESERVATION PARCEL 'A' (F-08-203).
THE UNENCUMBERED AREA OF WETLAND AND STREAM BUFFER BETWEEN THE EXISTING AND PROPOSED EASEMENT AREAS IS MAINTAINED AS ACCESS FOR FARM EQUIPMENT.

MULTIFLORA ROSE CONTROL NOTE:

PRIOR TO PLANTING ALL MULTIFLORA ROSE WITHIN PLANTING AREAS SHALL BE REMOVED. REMOVAL OF THE ROSE MAY BE PERFORMED WITH MOWING 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. HERBICIDES 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. CARE SHOULD BE TAKEN NOT 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.

PLANTING NOTES:

- 1" CALIPER TREES SHOULD BE STAGGERED ALONG THE OUTER PERIMETER OF THE PLANTING AREA TO SERVE AS DEMARCATION OF THE BOUNDARY. THE TREES SHOULD BE NO CLOSER THAN 15 FOOT SPACING.
- PLANTING SHALL 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/SOIL SPECIFICATIONS

- PLANTING OF NURSERY STOCK SHALL TAKE PLACE BETWEEN MARCH 15th AND APRIL 30th OR SEPTEMBER 15th AND NOVEMBER 15th.
- A TWELVE (12) INCH LAYER OF TOPSOIL SHALL BE SPREAD OVER ALL FORESTATION AREAS IMPACTED BY SITE GRADING TO ASSURE A SUITABLE PLANTING AREA. 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.
- ALL BAREROOT PLANTING STOCK SHALL HAVE THEIR ROOT SYSTEMS DIPPED INTO AN ANTI-DESICCANT GEL PRIOR TO PLANTING.
- PLANTS SHALL BE INSTALLED SO THAT THE TOP OF ROOT MASS IS LEVEL WITH THE TOP OF EXISTING GRADE. BACKFILL IN THE PLANTING PITS SHALL CONSIST OF 3 PARTS EXISTING SOIL TO 1 PART FINE FINES OR EQUIVALENT.
- FERTILIZER SHALL CONSIST OF AGRIFORM 22-8-2, OR EQUIVALENT, APPLIED AS PER MANUFACTURER'S SPECIFICATIONS.
- A TWO (2) INCH LAYER OF HARDWOOD MULCH SHALL BE PLACED OVER THE ROOT AREA OF ALL PLANTINGS.
- PLANT MATERIAL SHALL BE TRANSPORTED TO THE SITE IN A TARPED OR COVERED TRUCK. PLANTS SHALL BE KEPT MOIST PRIOR TO PLANTING.
- ALL NON-ORGANIC DEBRIS ASSOCIATED WITH THE PLANTING OPERATION SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.

SEQUENCE OF CONSTRUCTION

- SEDIMENT CONTROL AND TREE PROTECTION DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH GENERAL CONSTRUCTION PLAN FOR SITE. SITE SHALL BE GRADED IN ACCORDANCE WITH GENERAL CONSTRUCTION PLANS.
- PROPOSED FORESTATION AREAS IMPACTED BY SITE GRADING SHALL BE TOPSOILED AND STABILIZED AS PER NOTE NO. 2 OF PLANTING/SOIL SPECIFICATIONS FOR PROJECT.
- PLANTS SHALL BE INSTALLED AS PER PLANT SCHEDULE AND THE PLANTING/SOIL SPECIFICATIONS FOR THE PROJECT.
- UPON COMPLETION OF THE PLANTING, SIGNAGE SHALL BE INSTALLED AS PER THE FOREST PROTECTION DEVICES SHOWN ON THE FOREST CONSERVATION PLAN.
- PLANTINGS SHALL BE MAINTAINED AND GUARANTEED IN ACCORDANCE WITH THE MAINTENANCE AND GUARANTEE REQUIREMENTS FOR PROJECT.

MAINTENANCE OF PLANTINGS

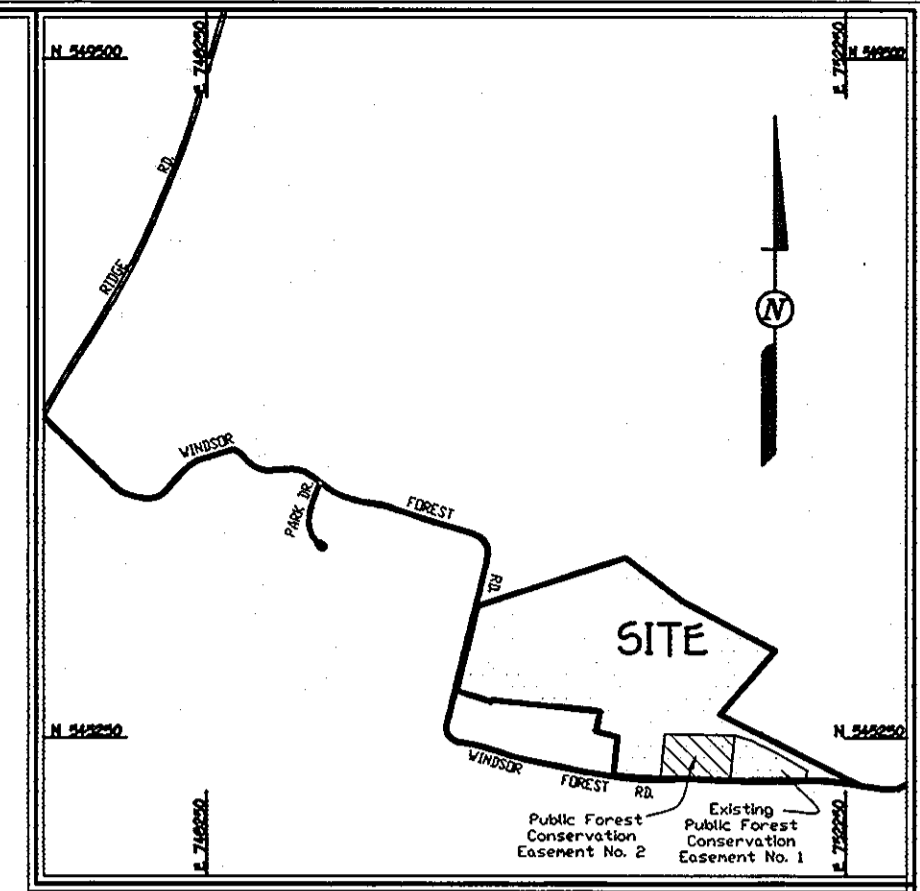
- MAINTENANCE OF PLANTINGS SHALL LAST FOR A PERIOD OF 26 MONTHS.
- ALL PLANT MATERIAL SHALL BE WATERED TWICE A MONTH DURING THE 1st GROWING SEASON. WATERING MAY BE MORE OR LESS FREQUENT DEPENDING ON WEATHER CONDITIONS. DURING 2nd GROWING SEASON, ONCE A MONTH DURING MAY-SEPTEMBER, IF NEEDED.
- INVASIVE EXOTICS AND NOXIOUS WEEDS WILL BE REMOVED FROM FORESTATION AREAS. OLD FIELD SUCCESSIONAL SPECIES WILL BE RETAINED.
- PLANTS WILL 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.
- DEAD BRANCHES WILL BE PRUNED FROM PLANTINGS.

GUARANTEE REQUIREMENTS

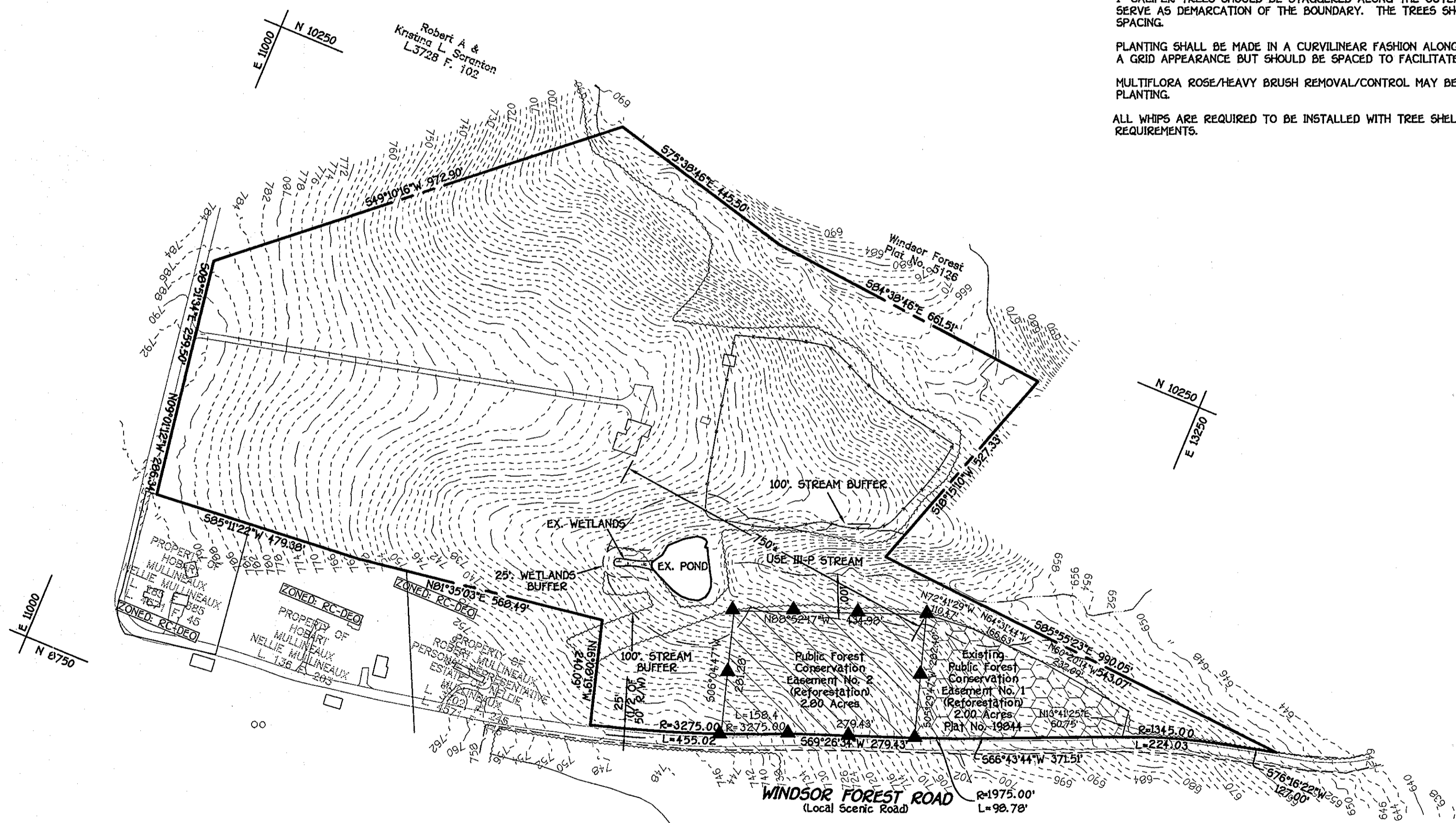
- A 75 PERCENT SURVIVAL RATE OF FORESTATION PLANTINGS WILL BE REQUIRED AT THE END OF THE 24 MONTH MAINTENANCE PERIOD. ALL PLANT MATERIAL BELOW THE 75 PERCENT THRESHOLD WILL BE REPLACED AT THE BEGINNING OF THE NEXT GROWING SEASON.

SURETY FOR FORESTATION

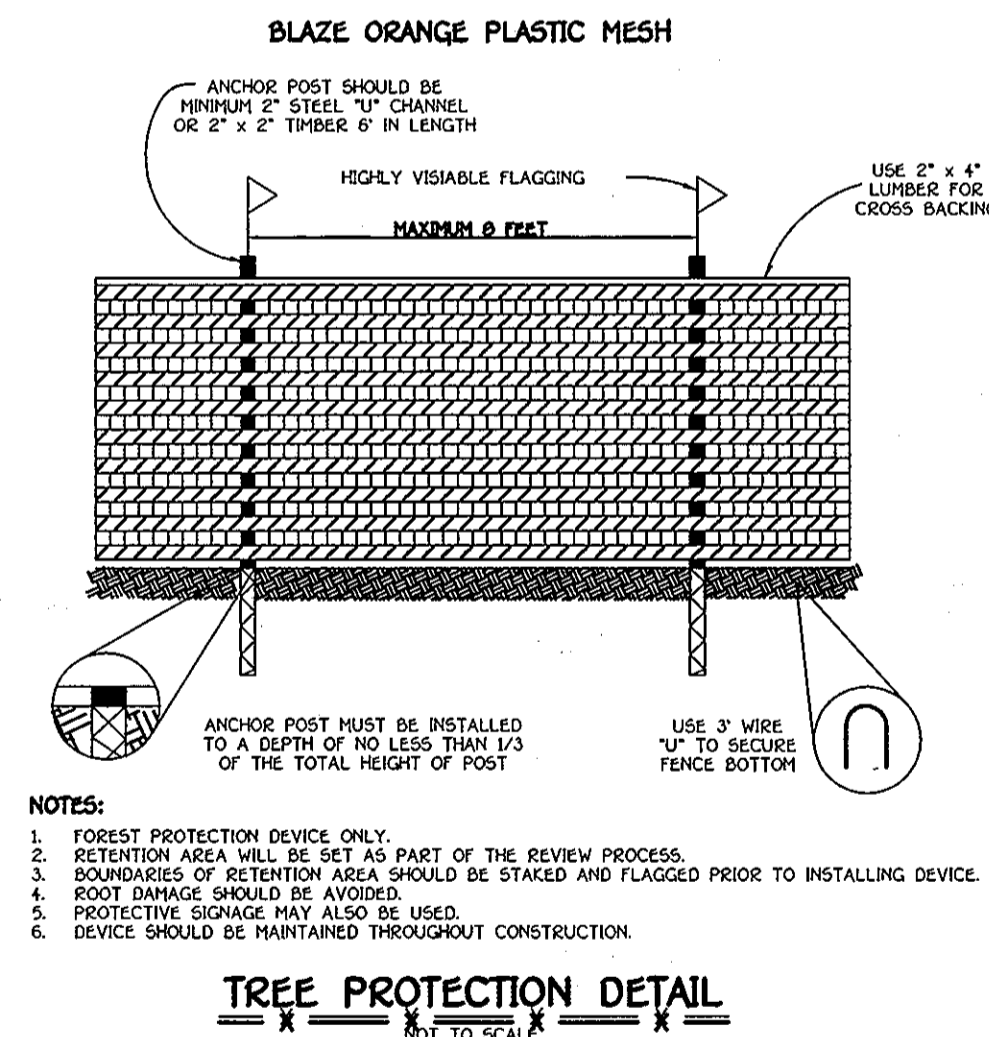
- THE DEVELOPER SHALL POST A SURETY (BOND, LETTER OF CREDIT) TO ENSURE THAT REFORESTATION PLANTINGS ARE COMPLETED, UPON ACCEPTANCE OF THE PLANTINGS BY THE COUNTY, THE BOND SHALL BE RELEASED.
- SURETY FOR OFF-SITE REFORESTATION of 2.8 acres is \$34,948.00 and is POSTED WITH THE DEVELOPER'S AGREEMENT ASSOCIATED WITH THE HALL SHOP MANOR, BUILDABLE PRESERVATION PARCEL 'A', F-08-203.



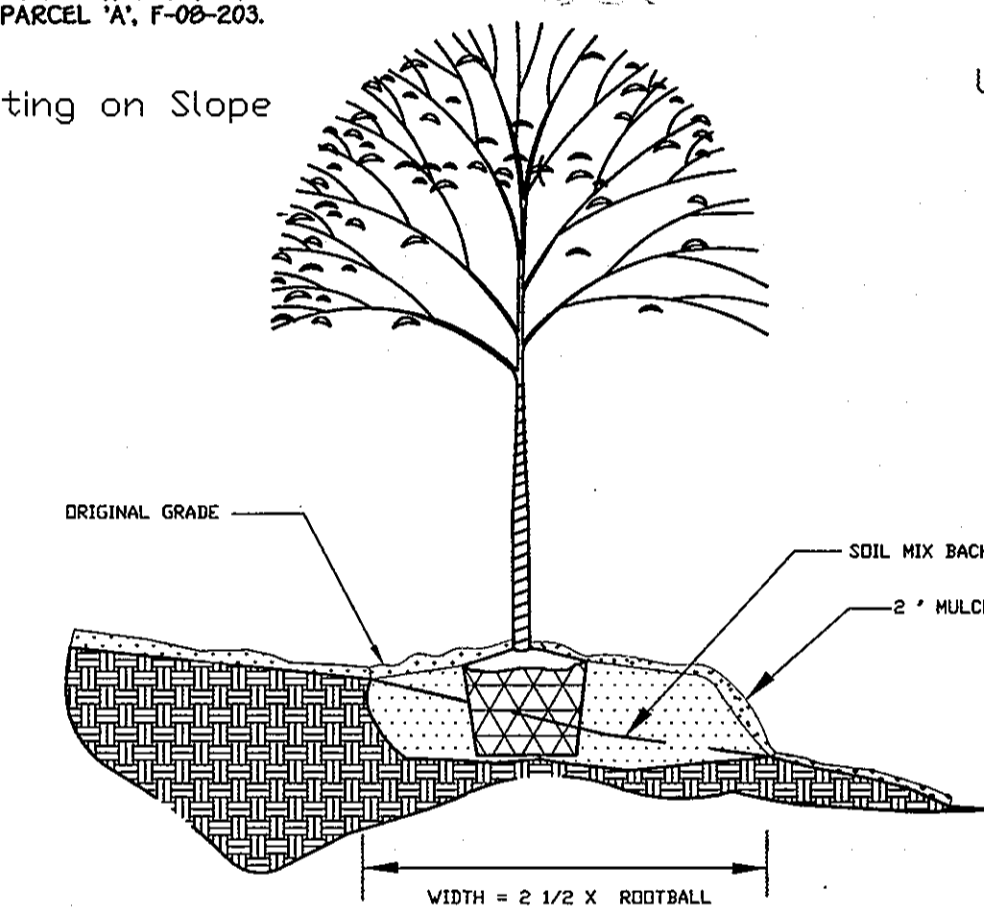
VICINITY MAP
SCALE: 1" = 1200'



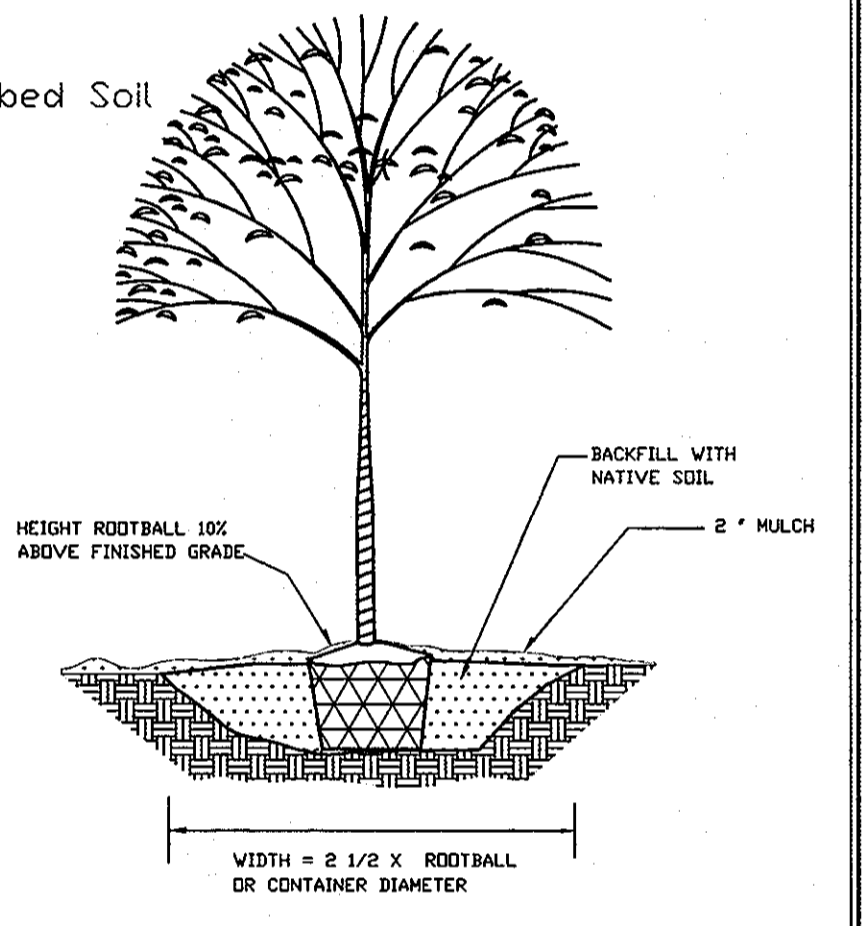
PLAN
SCALE: 1" = 200'



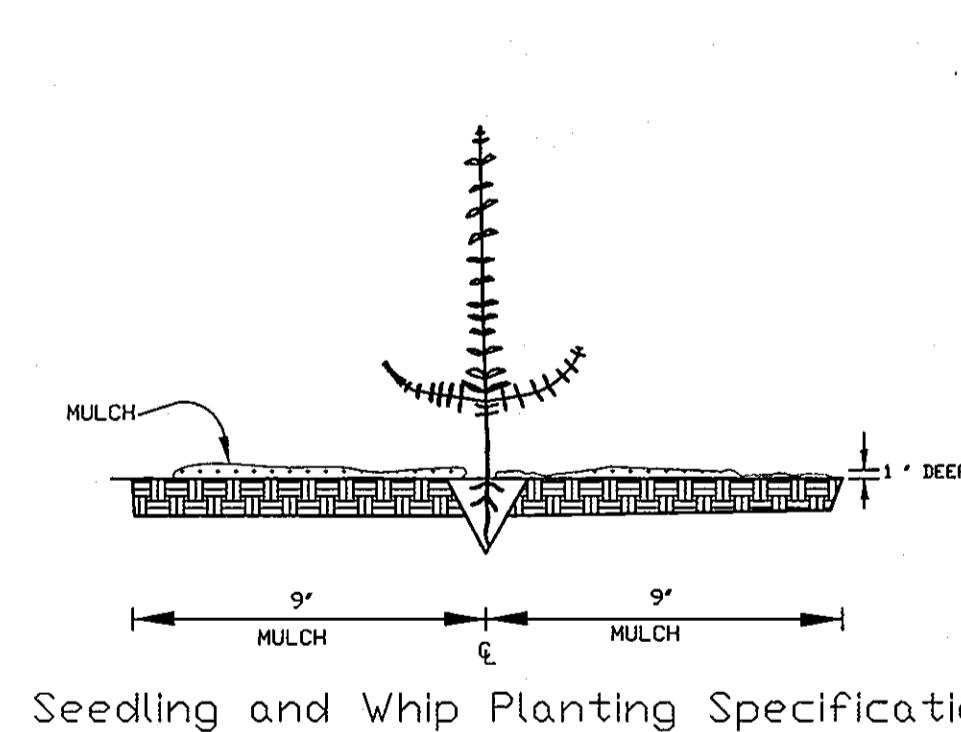
Planting on Slope



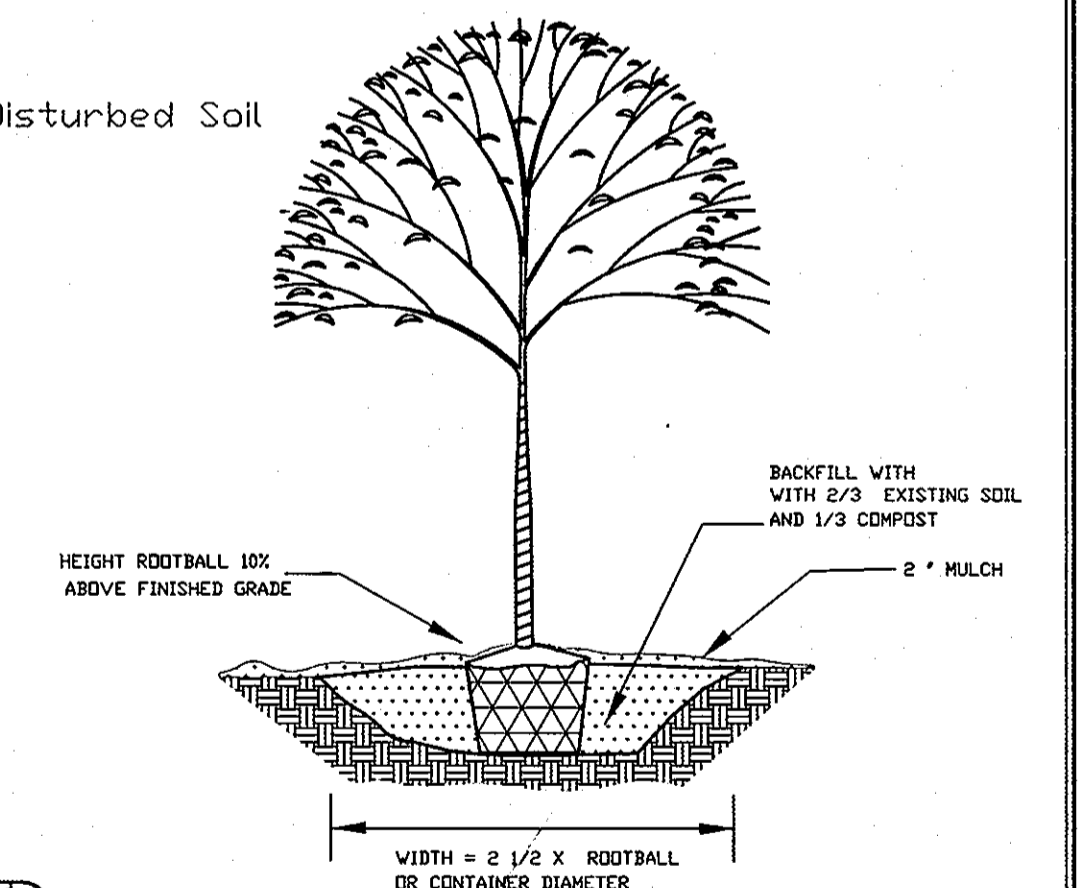
Undisturbed Soil



Seedling and Whip Planting Specification



Disturbed Soil



APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chris Ham 12/9/08
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

John P. ... 12/9/08
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Eco-Science Professionals, Inc.
CONSULTING ECOLOGISTS

MD DNR Qualified Professional
USACOE Wetland Delineator
Certification WDCP934006100448

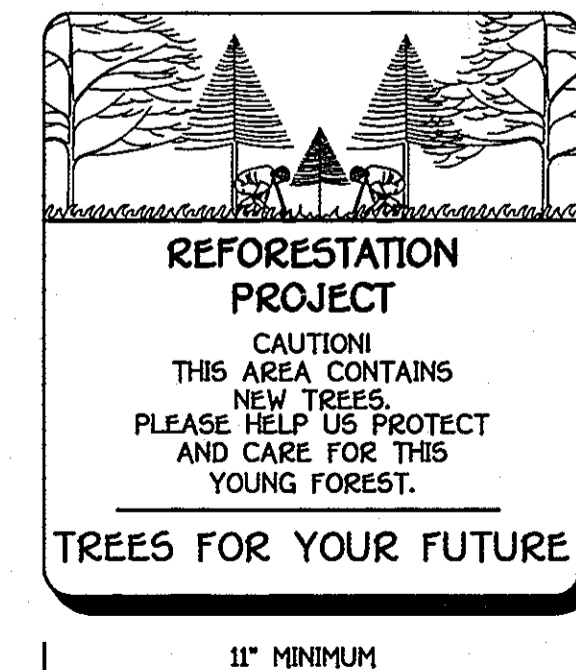
John P. Canoles
JOHN P. CANOLES

HALL SHOP MANOR

DEVELOPER
Ellicott City Land Holdings, Inc.
c/o Mr. Donald Reuter
5300 Dorsey Hill Drive, Suite 102
Ellicott City, MD 21042
443-367-0422

HOBART MULLINEAUX PROPERTY

OWNER
Robert Arthur Scanton
19990 Windsor Forest Road
Mount Airy Maryland, 21771
410-549-1699



15" MINIMUM

11" MINIMUM

▲ - DENOTES REFORESTATION PROJECT SIGN TO BE INSTALLED

OFF-SITE REFORESTATION PLAN
FOREST CONSERVATION PLAT OF EASEMENT
HOBART MULLINEAUX PROPERTY
TAX MAP 6, GRID B, PARCEL 15
FOURTH ELECTION DISTRICT
ZONED: RC-DEO
REFORESTATION PLANTING PLAN
NOTES AND SPECIFICATIONS

DATE: DECEMBER 4, 2008
SHEET 1 OF 1

F-08-203 (FC)