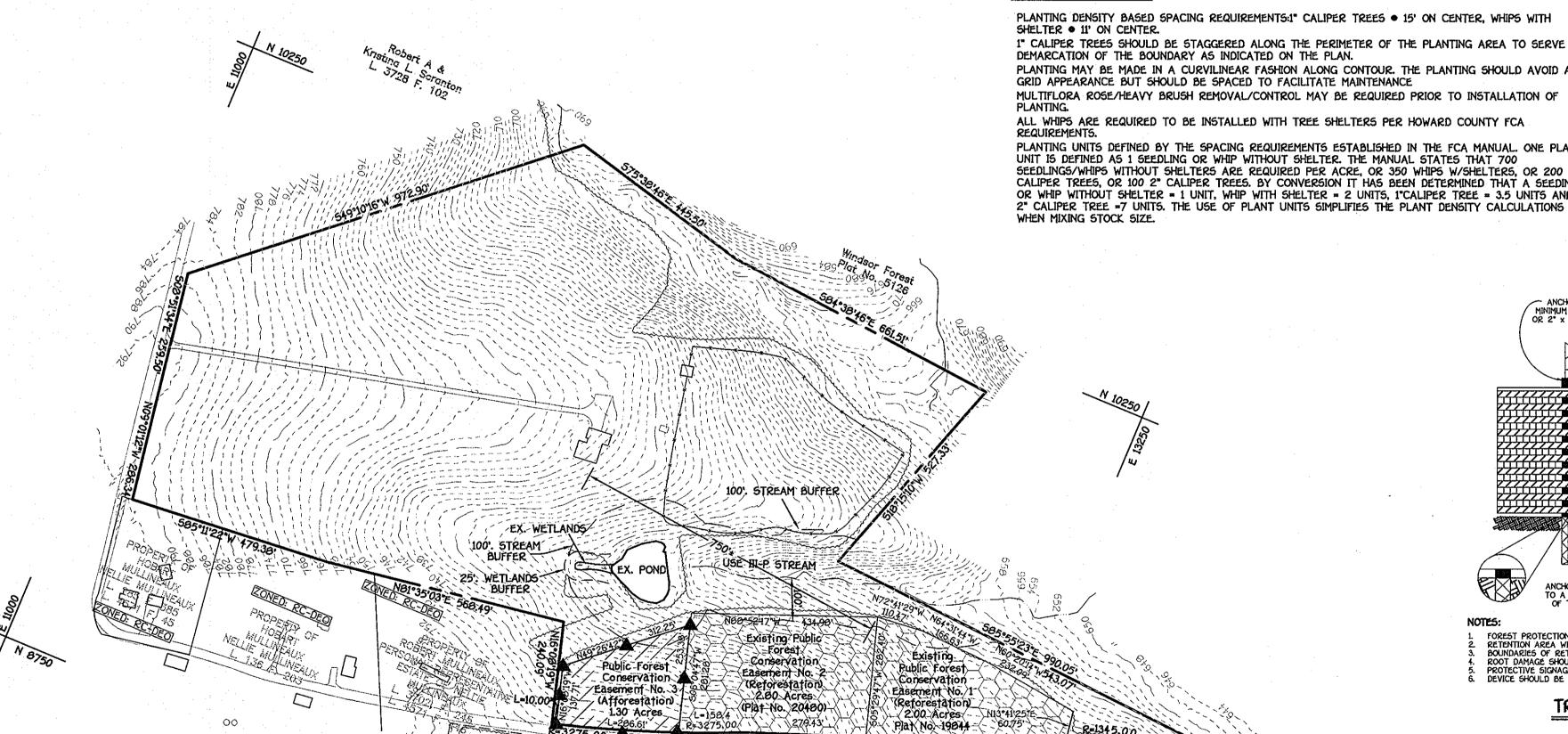
PLANTING SCHEDULE FCE-3 - Planting Area A - 1.3 Acres

Planting Units Required: 910

	Planting Units Provided: 910			Total FCA			
Qty	5pecies	Size	Spacing	Total FCA Units			
40	Acer rubrum - Red Maple	2-3' whip	11' O.C.				
45	Cornus florida - Flowering Dogwood	2-3° whip	11' O.C.				
75	Liriodendron tulipifera – Tulip Poplar	2-3' whip	11' O.C.				
75	Prunus serotina - Black Cherry	2-3' whip	11' O.C.				
50	Quercus alba - White Oak	2-3' whip	11' O.C.				
55	Robinia pseudo-acacia - Black Locust	2-3' whip	11' O.C.				
55	Sassafras albidum – Sassafras	2-3' whip	11' O.C.				
60	Viburnum prunifolium - Blackhaw	2-3' whip	11' O.C.				
455	Total whip plantings x 2 units / tree = FCA unit credit						

Forest Conservation Easement Tabulation									
INITIAL (F.C.E. NO. 1) PLAT No. 19044		SECOND (F.C.E. NO. 2) PLAT No. 20480		Third (F.C.E. No. 3)					
TOTAL AREA OF PROPERTY	41.547 ACRES	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	2.00 ACRES	AREA OF FOREST EASEMENT CREATED BY THIS PLAT	1.30 Acres				
TOTAL AREA OF FOREST EASEMENT CREATED INCLUDING THIS PLAT	2.00 ACRES	TOTAL AREA OF FOREST EASEMENT CREATED INCLUDING THIS PLAT	4.00 ACRE5	TOTAL AREA OF FOREST EASEMENT CREATED INCLUDING THIS PLAT	6.10 Acres				
SUBDIVISION REQUIRING OFF-SITE REFORESTATION	F-07-030 PHELPS ESTATES LOTS 1 THRU 4 T.M. 20, GRID 19, PARCEL 300	SUBDIVISION REQUIRING OFF-SITE REFORESTATION	F-00-203 HALL SHOP MANOR BUILDABLE PRESERVATION PARCEL 'A' T.M. 41, GRID 1, PARCEL 130	SUBDIVISION REQUIRING OFF-SITE REFORESTATION	F-06-19 - SHIPLEY'S GRANT NON-BUILDABLE PARCELS 'C' AND 'E', T.M. 37, GRIDS 1 & 2, P/O PARCEL 4 AND F-11-026, SHIPLEY'S GRANT, PHASE VI				



PLAN 5CALE: 1" = 200'

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.
- 2. THE FOREST CONSERVATION EASEMENTS HAVE 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 EASEMENTS. HOWEVER. FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE
- 3. FORESTED AREAS OCCURRING OUTSIDE OF THE FCE SHALL NOT BE CONSIDERED PART OF THE FCE AND SHALL NOT BE SUBJECT TO PROTECTIVE LAND COVENANTS.
- 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.
- 6. NO STOCKPILES, PARKING AREAS, EQUIPMENT CLEANING AREAS, ETC. SHALL OCCUR WITHIN AREAS DESIGNATED
- 7. 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
- 8. PERMANENT SIGNAGE SHALL BE PLACED 50' 100' APART ALONG BOUNDARIES OF ALL AREAS INCLUDED IN FOREST CONSERVATION EASEMENTS.
- 9. FOREST CONSERVATION OBLIGATION OF 1.3 ACRES PLANTING TO FULLFILL THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOREST CONSERVATION ACT FOR SHIPLEY'S GRANT, F-06-019 AND F-11-026 IS PROVIDED BY OFF-SITE AFFORESTATION FCE NO. 3 ON PROPERTY OF HOBART MULLINEAUX, TAX MAP 6, GRID 8, TAX PARCEL NO. 15. A FOREST CONSERVATION SURETY IN THE AMOUNT OF \$28,314.00 BASED ON 1.3 ACRES X 43,560 SQ.FT./ACRES X \$0.50/ACRES WILL BE POSTED WITH THE DEVELOPERS AGREEMENT FOR F-11-026, SHIPLEY'S GRANT, PHASE VI.

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 MANUFACTURERS 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:

SHELTER • 11' ON CENTER. 1" CALIPER TREES SHOULD BE STAGGERED ALONG THE PERIMETER OF THE PLANTING AREA TO SERVE AS DEMARCATION OF THE BOUNDARY AS INDICATED ON THE PLAN. 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 ALL WHIPS ARE REQUIRED TO BE INSTALLED WITH TREE SHELTERS PER HOWARD COUNTY FCA 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 W/SHELTERS, OR 200 1" CALIPER TREES, OR 100 2" CALIPER TREES. BY CONVERSION IT HAS BEEN DETERMINED THAT A SEEDING OR WHIP WITHOUT SHELTER = 1 UNIT, WHIP WITH SHELTER = 2 UNITS, 1"CALIPER TREE = 3.5 UNITS AND

PLANTING/SOIL SPECIFICATIONS

- 1. PLANTING OF NURSERY STOCK SHALL TAKE PLACE BETWEEN MARCH 15th. AND APRIL 30th. OR SEPTEMBER 15th. AND NOVEMBER 15th.

 2. 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.
- 3. ALL BAREROOT PLANTING STOCK SHALL HAVE THEIR ROOT SYSTEMS DIPPED INTO AN ANTI-DESICCANT GEL PRIOR TO PLANTING. 4. 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 PINE FINES OR EQUIVALENT. 5. FERTILIZER SHALL CONSIST OF AGRIFORM 22-0-2, OR EQUIVALENT, APPLIED AS PER MANUFACTURER'S SPECIFICATIONS.
- 6. A TWO (2) INCH LAYER OF HARDWOOD MULCH SHALL BE PLACED OVER THE ROOT AREA OF ALL PLANTINGS.
 7. PLANT MATERIAL SHALL BE TRANSPORTED TO THE SITE IN A TARPED OR COVERED TRUCK. PLANTS SHALL BE KEPT MOIST PRIOR TO PLANTING.
- 8. ALL NON-ORGANIC DEBRIS ASSOCIATED WITH THE PLANTING OPERATION SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.

SEQUENCE OF CONSTRUCTION

- 1. 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.
 2. PROPOSED FORESTATION AREAS IMPACTED BY SITE GRADING SHALL BE TOPSOILED AND STABILIZED AS PER
- NOTE NO. 2 OF PLANTING/SOIL SPECIFICATIONS FOR PROJECT. 3. PLANTS SHALL BE INSTALLED AS PER PLANT SCHEDULE AND THE PLANTING/SOIL SPECIFICATIONS FOR THE PROJECT. 4. UPON COMPLETION OF THE PLANTING, SIGNAGE SHALL BE INSTALLED AS PER THE FOREST PROTECTION DEVICES SHOWN ON THE FOREST CONSERVATION PLAN.
- 5. 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 26 MONTHS. 2. ALL PLANT MATERIAL SHALL BE WATERED TWICE A MONTH DURING THE 1st. GROWING SEASON. WATERING MAY BE MORE OR LESS FREQUENT DEPENDING IN WEATHER CONDITIONS. DURING 2nd. GROWING SEASON, ONCE A MONTH DURING MAY-SEPTEMBER, IF NEEDED.
- 3. INVASIVE EXOTICS AND NOXIOUS WEEDS WILL BE REMOVED FROM FORESTATION AREAS. OLD FIELD SUCCESSIONAL
- SPECIES WILL BE RETAINED. 4. 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.
- 5. DEAD BRANCHES WILL BE PRUNED FROM PLANTINGS.

1. 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

BLAZE ORANGE PLASTIC MESH

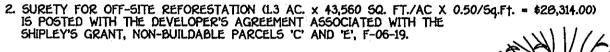
FOREST PROTECTION DEVICE ONLY.
RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE.
ROOT DAMAGE SHOULD BE AVOIDED.
PROTECTIVE SIGNAGE MAY ALSO BE USED.
DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.

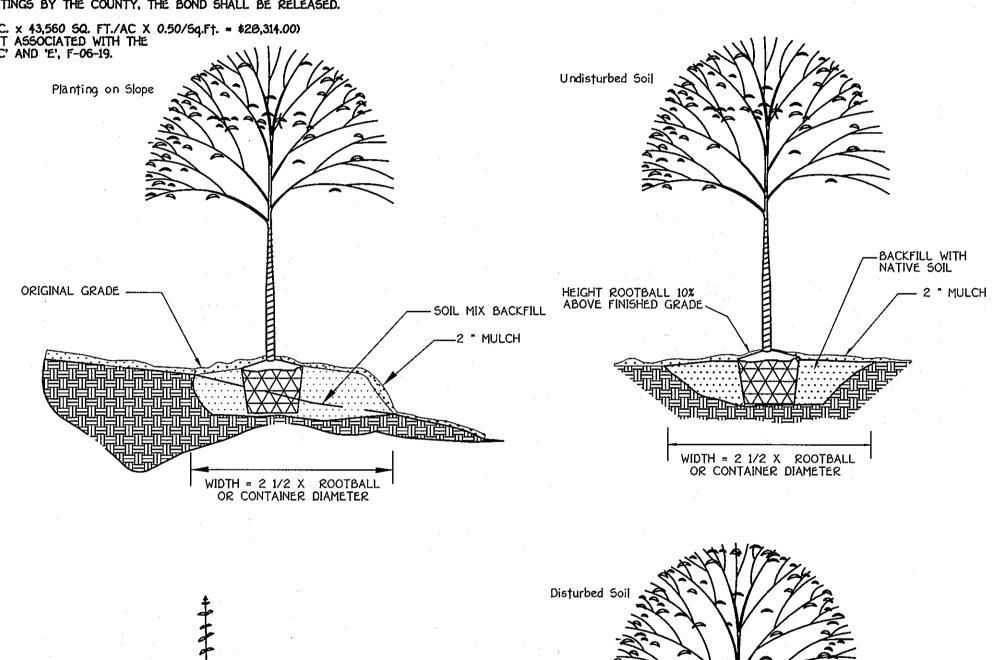
TREE PROTECTION DETAIL

ANCHOR POST SHOULD BE MINIMUM 2" STEEL "U" CHANNEL OR 2" x 2" TIMBER 6" IN LENGTH

GUARANTEE REQUIREMENTS

- 1. THE DEVELOPER SHALL POST A SURETY (BOND, LETTER OF CREDIT) TO ENGURE THAT REFORESTATION PLANTINGS ARE COMPLETED. UPON ACCEPTANCE OF THE PLANTINGS BY THE COUNTY, THE BOND SHALL BE RELEASED.



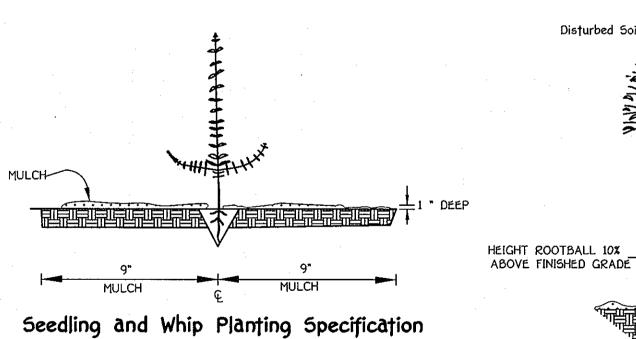


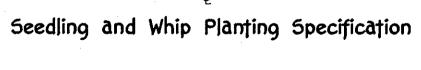
Ho. Co. ADC Map

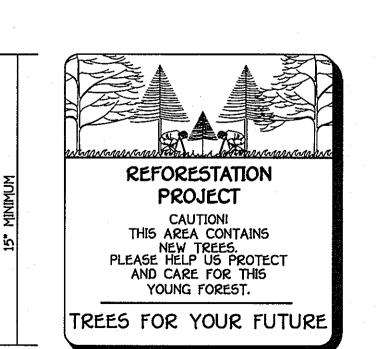
Map •4690, Grid C0

VICINITY MAP

SCALE : 1" = 1200'







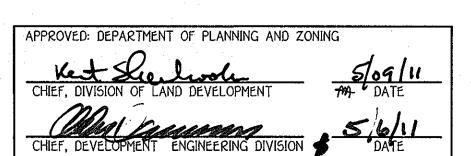
11" MINIMUM

OFF-SITE REFORESTATION PLAN (FOR FCE NO. 3 FOR SHIPLEY'S GRANT, F-06-019 & F-11-026) HOBART MULLINEAUX PROPERTY TAX MAP 6, GRID 8, PARCEL 15 FOURTH ELECTION DISTRICT ZONED: RC-DEO REFORESTATION PLANTING PLAN NOTES AND SPECIFICATIONS

WIDTH = 2 1/2 X ROOTBALL OR CONTAINER DIAMETER

DATE: APRIL 10, 2011 SHEET 1 OF 1

FISHER, COLLINS & CARTER, INC. uare office park - 10272 baltimore nation/ ELLICOTT CITY, MARYLAND 21042





WINDSOR FOREST ROAD R=1975.00'
(Local Scenic Road) R=98.78'



SHIPLEY'S GRANT DEVELOPER BA Waterloo Townhomes, LLC 7850 Walker Drive - Suite 400

Greenbelt, Maryland 20770

HOBART MULLINEAUX PROPERTY Robert Arthur Scranton 10950 Windsor Forest Road Mount Airy Maryland , 21771 410-549-1669

- DENOTES REFORESTATION PROJECT SIGN TO BE INSTALLED

BACKFILL WITH WITH 2/3 EXISTING SOIL

AND 1/3 COMPOST