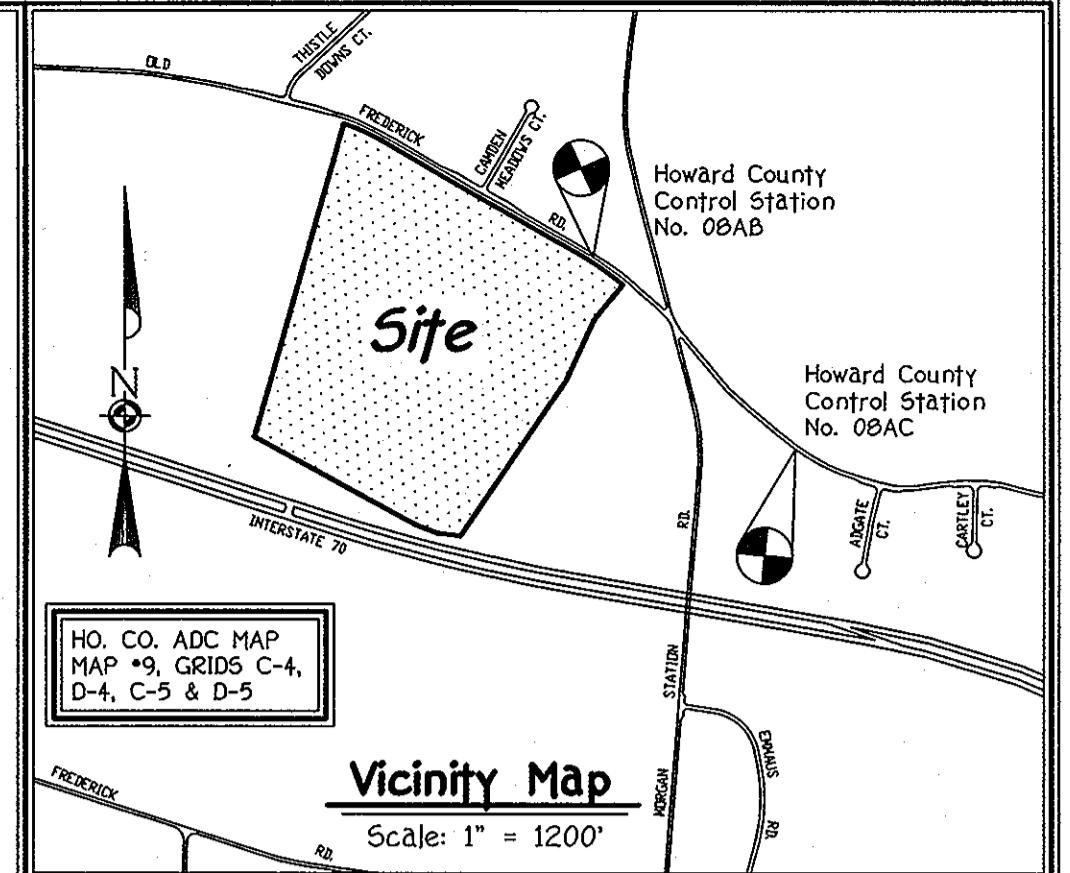


| SOIL | NAME | CLASS |
|------|---|-------|
| BAA | Balk silt loam, 0 to 3 percent slopes | D |
| BrD | Bricklow clayey loam, 15 to 25 percent slopes | B |
| GgA | Glenelg loam, 0 to 3 percent slopes | B |
| GgB | Glenelg loam, 3 to 8 percent slopes | B |
| GgC | Glenelg loam, 8 to 15 percent slopes | B |
| GmB | Glenelg silt loam, 3 to 8 percent slopes | C |
| HBC | Hager loam, 8 to 15 percent slopes | B |
| W | Water loam | X |

NOTES:
 • Hydric soils and/or contains hydric inclusions
 • May contain hydric inclusions
 † Generally only within 100-year floodplain areas



APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] 6/3/13 DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 5/31/13 DATE
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

Public Forest Conservation Easement #2 Line Chart (Reforestation) 0.898 Ac.*

| LINE | BEARING | LENGTH |
|------|---------------------|---------|
| FC1 | S 74°37'05" E | 318.27' |
| FC2 | S 15°22'55" W | 51.13' |
| FC3 | R=390.00' L=181.51' | |
| FC4 | N 85°22'11" W | 161.90' |
| FC5 | N 15°50'44" E | 182.57' |



▲ DENOTES PROPOSED AFFORESTATION PROJECT SIGN TO BE INSTALLED
 - PROTECTIVE SIGNAGE SHALL BE IN PLACE FOR PERPETUITY

- 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. DETAIL AND SPECIFICATIONS SHALL BE PER GENERAL CONSTRUCTION PLAN FOR PROJECT.
 - ALL BAREFOOT PLANTING STOCK SHALL HAVE THEIR ROOT SYSTEMS DIPPED INTO AN ANTI-DESICCANT.
 - 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 AGROFORM 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 TRAPPER 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.

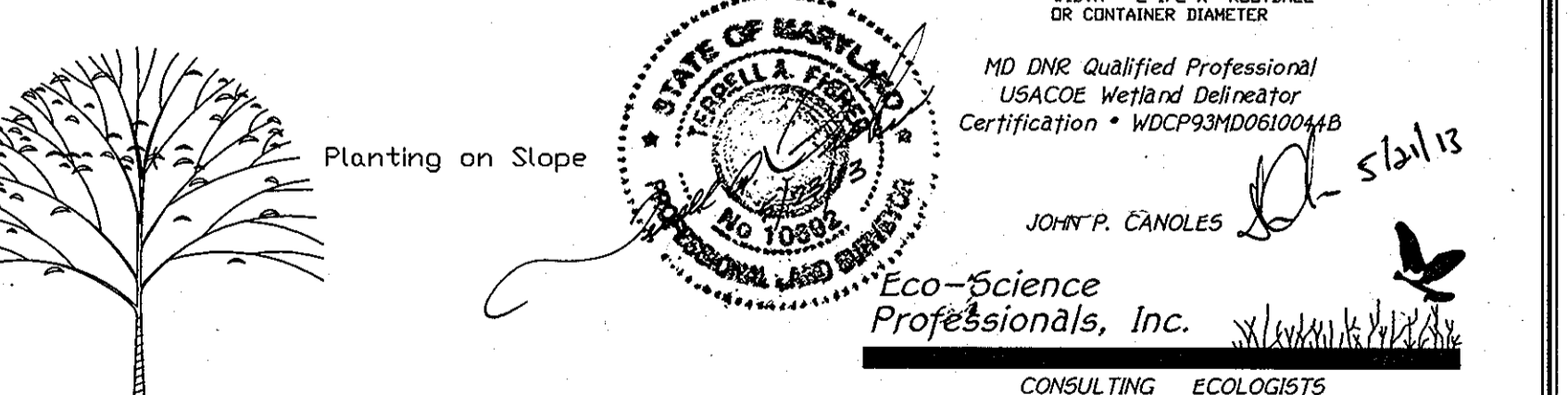
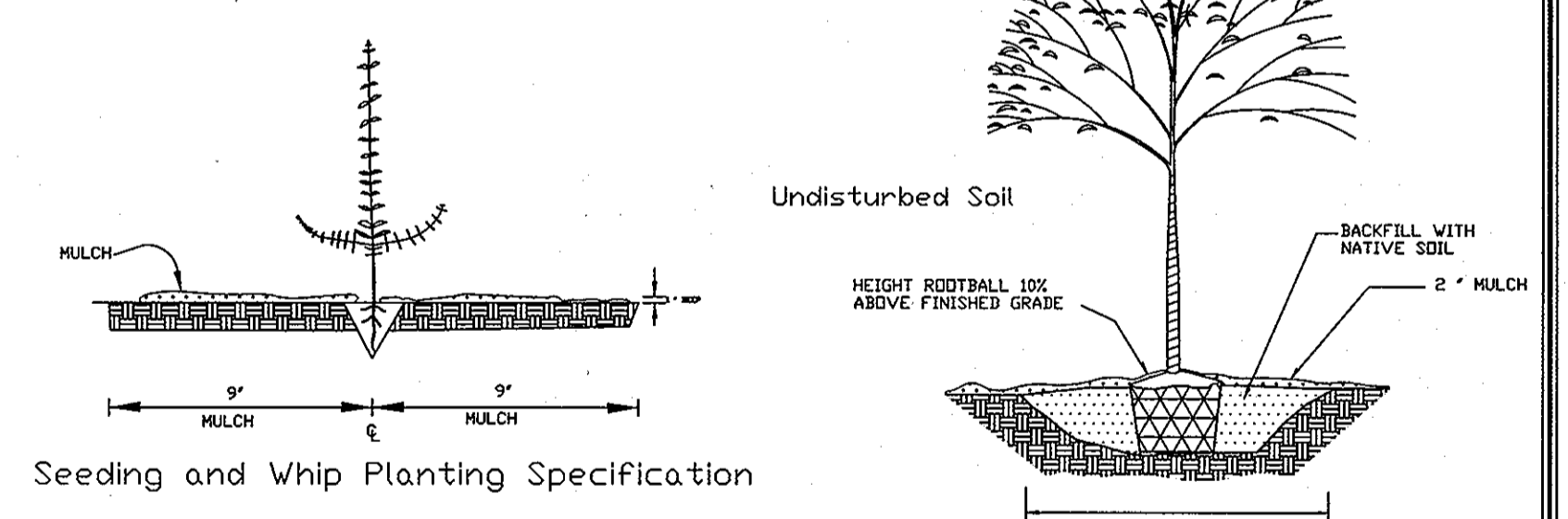
- SEQUENCE OF CONSTRUCTION**
- SEDIMENT CONTROL AND TREE PROTECTION DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH GENERAL CONSTRUCTION PLAN FOR SITE. SITE SHALL BE GRADED IN ACCORDANCE WITH GENERAL CONSTRUCTION PLANS.
 - PROMISED FORESTATION AREAS IMPACTED BY SITE GRADING SHALL BE TOPSOILED AND STABILIZED 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 MAINTENANCE PERIOD, 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. BOND SHALL BE RELEASED.
 - SURETY IN THE AMOUNT OF \$155,500 (0.898 AC x \$173,000/AC x 0.50/54 FT. = \$155,500) WILL BE POSTED AS PART OF THE F-11-066 DEVELOPER'S AGREEMENT FOR OFF-SITE 0.898 AC. REFORESTATION FOREST CONSERVATION EASEMENT #2 LOCATED WITCHING HOUR FARM, TAX MAP 8, PARCEL 165, GRID 1, AS SHOWN ON F-11-066C.

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 THicket 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 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.



PLANTING SCHEDULE

FCE #2 - For F-11-066
 Planting Units Required: 628
 Planting Units Provided: 628

| Qty | Species | Size | Spacing | Total FCA Units |
|-----|---|-----------|----------|-----------------|
| 50 | Acer rubrum - Red Maple | 2-3" whip | 11' O.C. | |
| 34 | Acer saccharinum - Silver maple | 2-3" whip | 11' O.C. | |
| 20 | Cornus florida - Flowering Dogwood | 2-3" whip | 11' O.C. | |
| 40 | Liriodendron tulipifera - Tulip Poplar | 2-3" whip | 11' O.C. | |
| 15 | Nyssa sylvatica - Black gum | 2-3" whip | 11' O.C. | |
| 50 | Platanus occidentalis - Sycamore | 2-3" whip | 11' O.C. | |
| 30 | Robinia pseudo-acacia - Black Locust | 2-3" whip | 11' O.C. | |
| 50 | Ulmus rubra - Slippy Elm | 2-3" whip | 11' O.C. | |
| 25 | Viburnum prunifolium - Blackhaw | 2-3" whip | 11' O.C. | |
| 314 | Total whip plantings x 2 units / tree = FCA unit credit | | | 628 |
| | | | | 628 |

PLANTING NOTES:

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 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 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 W/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.

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 83 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELKTON CITY, MARYLAND 21842
 410.461.8995

PROPERTY OF CHARLES SHARP
 DENISE SHARP
 LIBER 8250, FOLIO 61
 TAX MAP 8, PARCEL 4

Interstate 70
 SHA PLAT NOS. 40808 - 40809
 AND 42990 - 42991

STATE OF MARYLAND
 JOHN P. CANOLES
 MD DNR Qualified Professional
 USASCOE Wetland Delimitator
 Certification # WDCP93M006100448
 Eco-Science Professionals, Inc.
 CONSULTING ECOLOGISTS

Off-Site Forest Conservation Plan
GTW's Waverly Woods
 Non-Buildable Golf Course Lot 9 - Section 4, Area 1 (Plat 122191),
 Non-Buildable Golf Course Lot 171 - Section 4, Area 1 (Plat No. 13530),
 Open Space Lot 172 - Section 4, Area 1 (Plat Nos. 17254 And 17255),
 Non-Buildable Golf Course Lot 168 - Section 5 (Plat No. 17255),
 Open Space Lot 173 - Section 5 (Plat No. 17255),
 Non-Buildable Golf Course Lot 3 - Section 7 (Plat No. 17257),
 Open Space Lot 5 - Section 7 (Plat No. 16024) And
 Land Unit 'C' - A Condominium - Section 7 (Plat No. 16377)
 Off-Site FCE #2 For F-11-066, GTW's Waverly Woods, Revision Plat
 Zoned: PEC & R-A-15
 Tax Map 16, Parcels 418, 420 & 424 Grids: 10, 11 & 12
 Third Election District - Howard County - Maryland
 Date: May 23, 2013 Scale: 1"=100' Sheet 1 of 1