## TYPE II TREE CONSERVATION PLAN NOTES

1. Cutting or clearing of woodland not in conformance with this plan or without the expressed written consent of the Planning Director or designee shall be subject to a $1.50 per square foot mitigation fee.
2. The Department of Environmental Resources (DER) shall be contacted prior to the start of any work on the site to address implementation of woodland conservation measures shown on this plan.
3. Property owners shall be notified by the Developer or Contractor, of any Woodland Conservation Areas (Tree Save Areas, Reforestation Areas, Afforestation Areas or Selective Clearing Areas) located on their lot or parcel of land and the associated fines for unauthorized disturbances in these areas. Upon the sale of the property the owner/developer or owners representative shall notify the purchaser of the property of any Woodland Conservation Areas.
4. All appropriate bonds will be posted with the Building Official prior to the issuance of any permits. These bonds will be retained as surety by the Building Official until all required activities have been satisfied.
5. All required off-site mitigation shall be identified on an approved TCP II for the off-site location and shall be recorded as an off-site easement in the land records of Prince George's County prior to issuance of any permits for the subject property.
6. The location of all Tree Protection Devices (TPD's) shown on this Plan, shall be flagged or staked in the field prior to the pre-construction meeting with the DER Inspectors. Upon approval of the flagged or staked TPD locations by the Inspector, installation of the TPD's may begin. TPD installation shall be completed prior to installation of initial sediment controls. No cutting or clearing of trees may begin before final approval of the TPD installation.
7. Woodland Conservation - Tree Save Areas and/or Reforestation Areas shall be posted as shown at the same time as Tree Protective Device installation and/or start of reforestation activities. These signs shall remain in place.
8. All tree planting for woodland replacement, reforestation or afforestation within the prescribed time frame will result in the forfeiture of the Reforestation Bond and/or a violation of this Plan including the associated $1.50 per square foot penalty unless a written extension is approved by the DER Inspector.
9. The DER Inspector shall be notified prior to soil preparation or initiation of any tree planting on this site.
10. Results of survival checks for all tree plantings shall be reported to the DER Inspector for the site and M-NCPPC, Environmental Planning Section.
11. Prior to the issuance on any permits the contractor responsible for soil preparation, site preparation, tree planting and tree maintenance must be identified.
    NAME
    BUSINESS NAME
    ADDRESS
    PHONE NUMBER

## PLANTING SPECIFICATIONS FOR RE/AFFORESTATION AREAS

1. Quantity: (see Plant Schedule)
2. Type: (see Plant Schedule)
3. Plant Quality Standards: The plants selected shall be healthy and sturdy representatives of their species. Seedlings shall have a minimum 1/2p growth of 18". The diameter of the root collar (the part of the root just below ground level) shall be at least 1/4". The roots shall be well developed, free from kinks or girdling, and generally white in color. Any seedling that has been grown primarily in containers shall show evidence of being cut (pruned) or air root pruned from the plant during the digging process. Substantial auxiliary/fibrous roots shall be present.

   Plants that do not have an abundance of well developed terminal buds on the leaders and branches shall be rejected.

   Plants shall be shipped by the nursery immediately after lifting from the field or removal from the greenhouse, and planted immediately upon receipt by the landscape contractor.

   If the plants cannot be planted immediately after delivery as the reforestation site, they shall be stored in the shade with their roots moistened protected from direct exposure to sun and wind by the use of straw, peat moss, compost, or other approved material and shall be maintained through periodic watering until the time of planting.
4. Plant Handling: The quantity of seedlings taken to the field shall not exceed the quantity that can be planted in a day. Seedlings, once removed from the nursery or temporary storage area shall be planted immediately.
5. Timing of Planting: The best time to plant seedlings is while they are dormant, after the loss of leaves in the autumn and before the spring growth begins. This is only. No planting will be done while the ground is frozen. Planting shall occur within one growing season of the issuance of grading/building permits and/or reaching the final grades and stabilization of planting areas.
6. Seedling Planting: Tree seedlings can be hand planted using a dibble bar or sharp-shooter shovel. It is important that the seedling be placed in the hole so that the roots can spread out naturally they should not be twisted, bolted or folded in any way. Seedlings shall be planted straight. Seedlings should be planted at a depth where their roots collars lie just below the ground surface. Air pockets should not be left after closing the hole which would allow the roots to dry out. Seedlings shall not be planted using a tree planter (a tractor mounted bi-plant by another) method, the preparer of this tree conservation plan must be contacted and give his approval before planting may begin. NOTE: Root pruning on the site is not permitted
7. Spacing: See Plant Schedule and/or Planting Plan for spacing requirements. Also refer to the Planting Layout detail for a description of the general planting theory.
8. Soil: Upon the completion of all grading operations, a soil test shall be conducted to determine what soil preparation and soil amendments, if any, are necessary to promote the healthy growth of the seedlings, shrubs and trees. The test shall provide one soil sample for each area that appears to have a different soil type (if the entire area appears uniform, then only one sample is necessary), and submitted for testing to a private company.

   The company of choice shall make recommendations for improving the existing soil. The soil will be tested and recommended for corrections of soil texture, ph, magnesium, phosphorous, potassium, calcium and organic matter.
9. Soil Improvement Measures: The soil shall then be improved according to the recommendations made by the testing company.
10. Fencing & Signage: Final protective fencing shall be placed on the visible and/or development side of planting areas. The protective fence shall be installed upon completion of planting operations. Signs shall be posted per the signage detail on this sheet.
11. Planting Method: Consult the Planting Details(s) shown on this plan.
12. Mulching: Apply 2" thick layer of woodchip or shredded hardwood mulch (as noted) to each planting site (see detail shown on this plan).
13. Groundcover Establishment: The remaining disturbed area between seedling planting sites shall be seeded and stabilized with white clover seed at the rate of 30lbs./acre.
14. Mowing: No mowing shall be allowed in any planting area.
15. Survival Check for Bond Release: The seedling planting is to be checked at the end of each year for two years to assure that no less than 75% of the original planted quantity survives.
16. Source of Seedlings: Md. Forest, Park and Wildlife Service in Bowie, Md.; Phone (301) 464-5065. Regional Environmental, Ashton, Maryland, Phone: (301)774-0400.

## 5 YEAR MANAGEMENT PLAN FOR RE/AFFORESTATION

Field check the re-afforestation area according to the following schedule:

Year 1: Site Preparation and Tree Planting
Survival check once annually (September-November, see Note 1)
Watering if needed (2 x month)
Control of undesirable vegetation as needed (1 x in June & 1 x in September min.)

Year 2-3: Reinforcement planting if needed (see Note 2)
Survival check once annually (September-November)
Control of undesirable vegetation if needed (1 x in May & 1 x in August min).

Year 4-5: Reinforcement planting if needed (see Note 2)
Survival check once annually (September-November)

Notes:
1) Survival Check: Check planted stock against plant list (or as-built) by walking the site and taking inventory. Plants must show vitality. Submit field data forms (Condition Check Sheets) to owner after each inspection. Remove all dead plants.
2) Reinforcement Planting: Replace dead or missing plants in sufficient quantity to bring the total number of live plants to at least 75% of the number originally planted. If a particular species suffers unusually high mortality, replace with an alternate plant type.
3) Miscellaneous: Fertilization or watering during years 1 through 3 will be done on an as needed basis. Special return operations or recommendations will be conducted on an as needed basis. Remove perimeter fencing and signage after year 5 based on the data planted.

## PRE-CONSTRUCTION ACTIVITIES

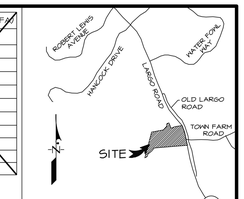
1. Prior to any disturbance of the site, the tree save lines shall be field located by surveying techniques and the appropriate tree protective device (see detail) shall be erected along these designated lines. Only after the tree protective devices have been installed shall any tree cutting or other clearing, grubbing or grading operations begin. All protection devices shall remain in place until all construction has ceased in the immediate vicinity. Devices shall be maintained throughout construction. Attachment of signs, or any other objects, to trees is prohibited. No equipment, machinery, vehicles, materials or excessive pedestrian traffic shall be allowed within protected areas.
2. After the boundaries of the retention area have been staked and flagged and before any disturbance has taken place on site, a pre-construction meeting at the construction site shall take place. The developer, contractor or project manager, and appropriate local Inspectors shall attend.
3. Reforestation planting shall be done after the final grading is established, stabilized and approved by SCD. Reforestation techniques and methods must comply with the details and specifications provided hereon.

| CLEARING AREAS (HCA) | |
|---|---|
| No. | AREA (AC) |
| 1 | 6.54 |
| 2 | 0.02 |
| 3 | 0.15 |
| 4 | 0.02 |
| TOTAL | 6.73 |

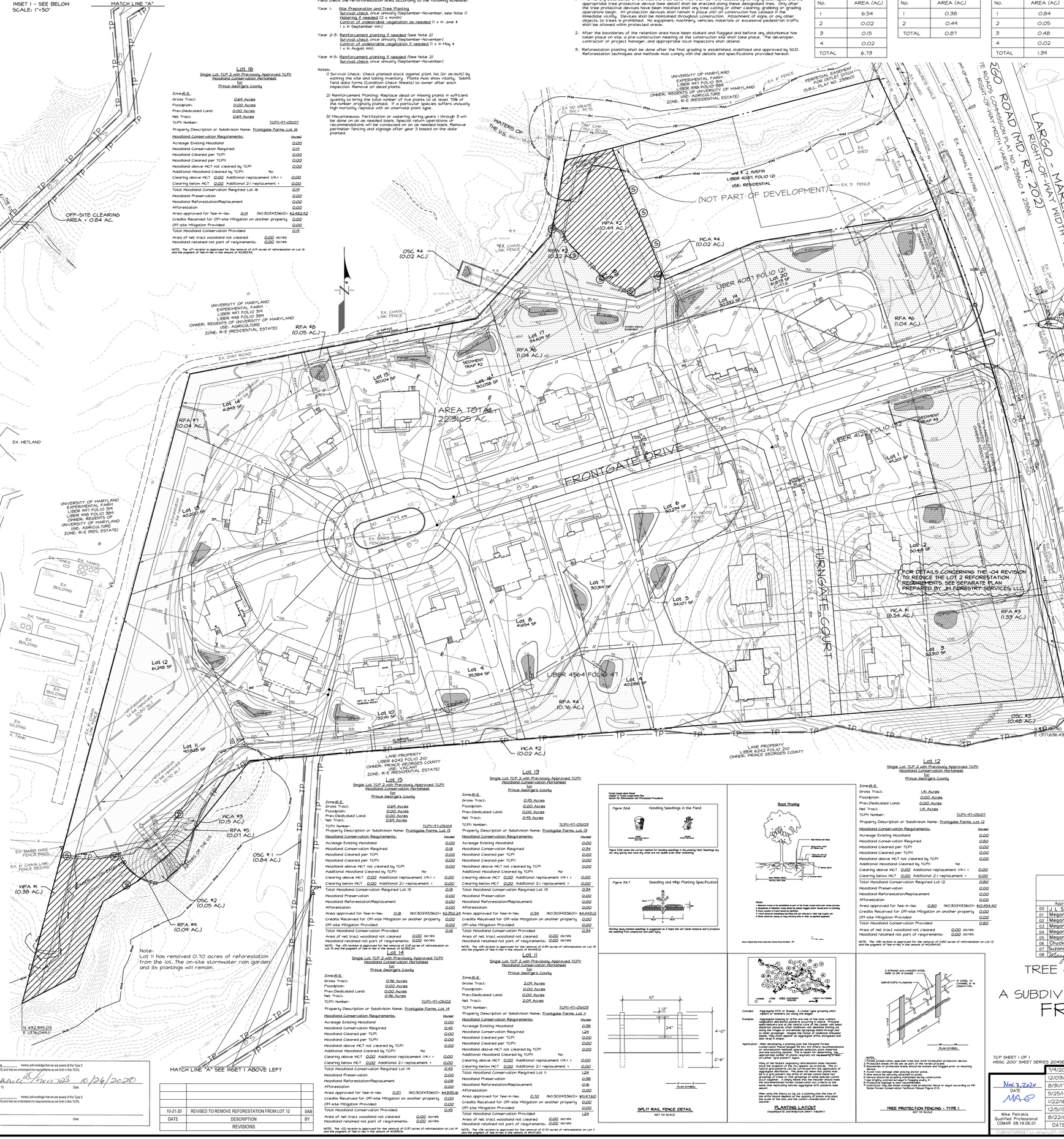
| PRESERVATION AREAS (HPA) | |
|---|---|
| No. | AREA (AC) |
| 1 | 0.38 |
| 2 | 0.49 |
| TOTAL | 0.87 |

| OFF-SITE CLEARING (OSC) | |
|---|---|
| No. | AREA (AC) |
| 1 | 0.84 |
| 2 | 0.05 |
| 3 | 0.48 |
| 4 | 0.02 |
| TOTAL | 1.39 |

| REFORESTATION AREAS (RFA) | |
|---|---|
| No. | AREA (AC) |
| 1 | 0.80 |
| 2 | 0.22 |
| 3 | 1.33 |
| 4 | 0.76 |
| 5 | 0.07 |
| 6 | 1.04 |
| 7 | 0.04 |
| 8 | 0.05 |
| 9 | 0.09 |
| TOTAL | 4.56 |




## VICINITY MAP
SCALE: 1" = 2000'

## LEGEND

PROPERTY BOUNDARY
EX. CONTOUR
EX. TREELINE
WATERS THE U.S.
DITCH (NOT COUNTY REGULATED)
WOODLAND PRESERVATION AREA
REFORESTATION AREA
LIMITS OF DISTURBANCE
PMA
TREE PROTECTION — TP
TREE PROTECTION SIGNS — S
65dBA NOISE LINE
BIO-RETENTION AREA
SPLIT RAIL FENCE