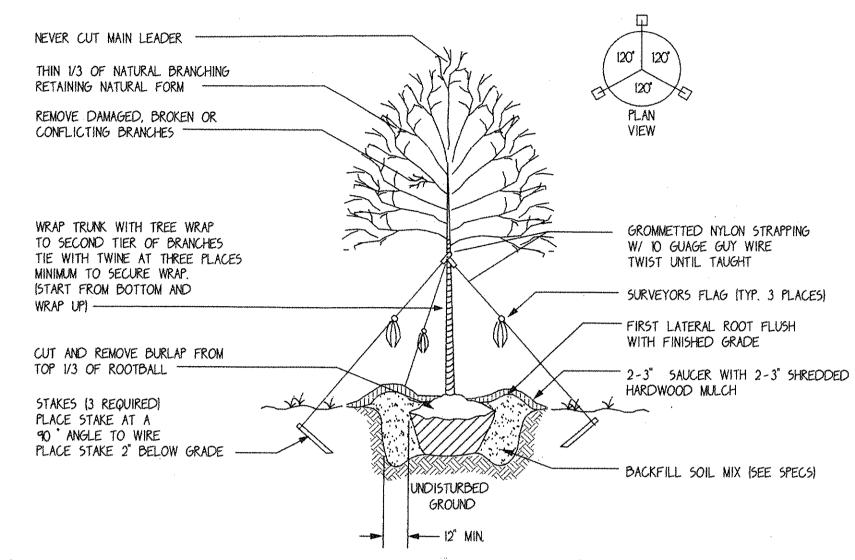
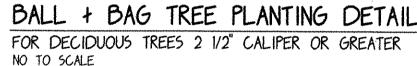


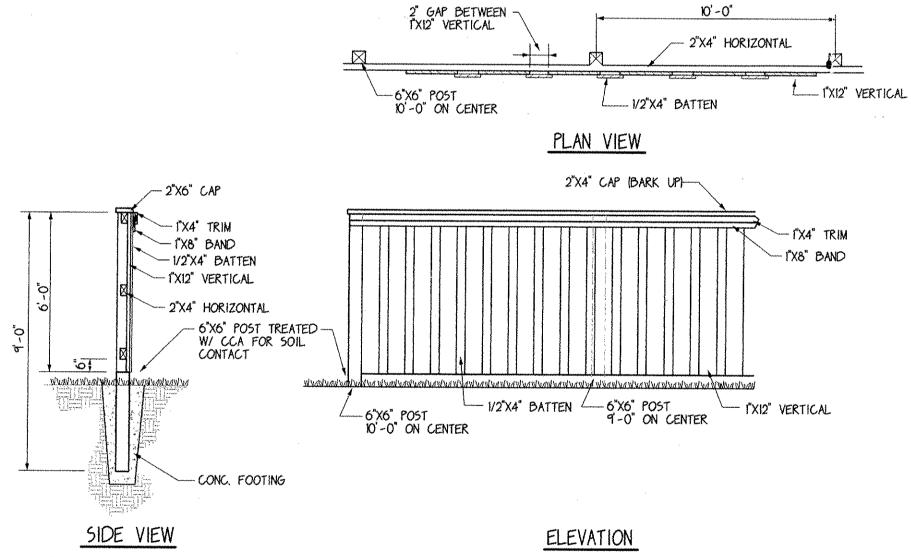
SHRUB PLANTING DETAIL

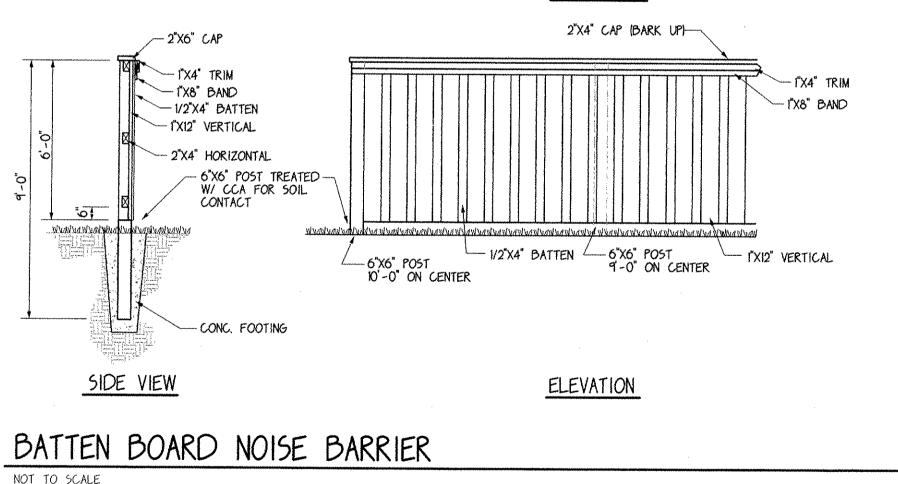
DECIDUOUS OR EVERGREEN

NO TO SCALE NOTE: ALL JUNIPER PLANTS SHALL BE PLANTED SO TOP OF ROOT MASS OCCURS AT FINISHED GRADE OF MULCH LAYER ANY BROKEN ROOTBALL WILL BE REJECTED.











CALL TOLL FREE

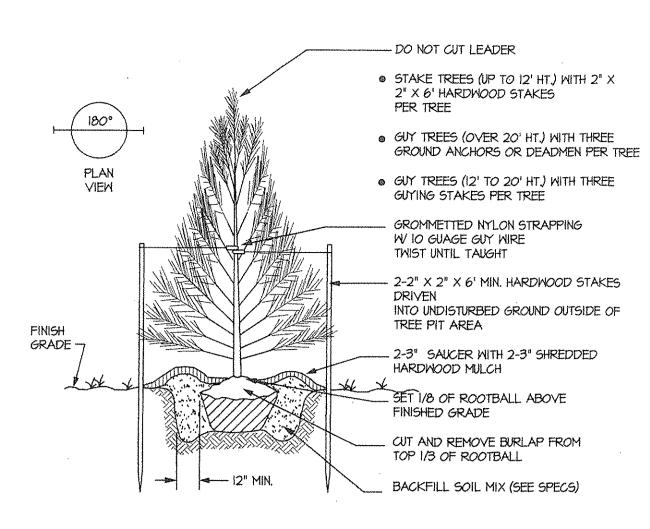
1-800-257-7777

9/15/2004 8-24-42 AM Ivlesm 1-30

NOTE: EXISTING TOPOGRAPHIC SURVEY AND UNDERGROUND UTILITY INFORMATION AS SHOWN, IS BASED UPON AVAILABLE RECORD INFORMATION AS PROVIDED BY THE OWNER/DEVELOPER/APPLICANT.
ALL UNDERGROUND UTILITIES MUST BE FIELD VERIFIED BY IGGING TEST PITS, BY HAND, PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY. JOYCE ENGINEERING CORPORATION ASSUMES NO LIABILITY FOR ACCURACY OF UTILITY INFORMATION PROVIDED BY OTHERS.

A ELECTRONIC FILE DISCLAIMER. HE INFORMATION CONTAINED HEREON WAS PREPARED AS AN ELECTRONIC "CAD" ILE BY JOYCE ENGINEERING CORPORATION (JEC). JEC HAS TAKEN REASONABLE STEPS TO ASSURE THE ACCURACY OF THE INFORMATION CONTAINED IN THE ELECTRONIC FILE, HOWEVER, LEC CANNOT GUARANTEE THAT CHANGES AND/OR ALTERATIONS HAVE NOT BEEN MADE TO THE FILE. NO RELIANCE ON THE INFORMATION CONTAINED HERON SHALL BE MADE UNLESS THE INFORMATION IS FIRST COMPARED TO THE SIGNED ORIGINAL DOCUMENT. LEC SHALL ASSUME NO ABILITY OR RESPONSIBILITY, AND DOES NOT GRANT ANY WARRANTY, EXPRESSED MPLIED, CONCERNING THE ACCURACY OF ANY INFORMATION THAT HAS BEEN RANSMITTED OR RECEIVED VIA COMPUTER OR OTHER ELECTRONIC MEANS, IF MERIFICATION OF THE INFORMATION CONTAINED HEREON, OR IF THE ELECTRONIC FILE USED TO CREATE THIS DOCUMENT IS REQUIRED, PLEASE CONTACT JEC DIRECTLY. THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM, OR TRANSMITTED IN ANY FORM INCLUDING ELECTRONIC OR PHOTO REPRODUCTION WITHOUT THE EXPRESS WRITTEN PERMISSION OF JEC. BY ACCEPTANCE OF THIS DOCUMENT, THE

RECIPIENT ACKNOWLEDGES ACCEPTANCE OF THE ABOVE TERMS AND CONDITIONS.



EVERGREEN TREE PLANTING DETAIL NOT TO SCALE

WOODLAND CONSERVATION AREA MANAGEMENT NOTES Prepared by the Environmental Planning Section, Planning Department, M-NCPPC Revised: 4/23/2003

Removal of Hazardous Trees or Hazardous Limbs By Developers or Builders

The developer and/or builder is responsible for the complete preservation of all forested areas shown on the approved plan to remain undisturbed. Only trees or parts thereof designated by the Department of Environmental Resources as dead, dying, or hazardous may be removed.

- A tree is considered hazardous if a condition is present which leads a Licensed Arborist or a Licensed Tree Expert to believe that the tree or a portion of the tree has a potential to fall and strike a structure, parking area, or other high use area and result in personal injury
- If a hazardous condition may be alleviated by corrective pruning, the Licensed Arborist or a Licensed Tree Expert may proceed without further authorization. The pruning must be done in accordance with the latest edition of the ANSI A-300 Pruning Standards ("Tree, Shrub, and Other Woody Plant Maintenance - Standard Practices").
- Corrective measures requiring the removal of the hazardous tree or portions thereof shall require authorization by the building or grading inspector if there is a valid grading or building permit for the subject lots or parcels on which the trees are located. Only after approval of the appropriate inspector may the tree be cut by chainsaw to near the existing ground level. The stump may not be removed or covered with soil, mulch or other materials that would inhibit sprouting.
- Debris from the tree removal or pruning that occurs within 35 feet of the woodland edge may be removed and properly disposed of by recycling, chipping or other acceptable methods. All debris that is more than 35 feet from the woodland edge shall be cut up to allow contact with the ground, thus encouraging decomposition. The smaller materials shall be placed into brush piles that will serve as wildlife habitat.

Removal of Hazardous Trees, Hazardous Limbs, Noxious Plants, Invasive Plants or Non-Native Plants in Woodland Conservation Areas Owned by Individual Homeowners

- If the developer or builder no longer has an interest in the property the home owner shall obtain a written statement from the Licensed Arborist or Licensed Tree Expert identifying the hazardous condition and the proposed corrective measures prior to having the work conducted. The tree may then be removed by the arborist or tree expert. The stump shall be cut as close to the ground as possible and left in place. The removal or grinding of the stumps in the woodland conservation area is not permitted.
- The removal of noxious, invasive, and non-natives plant species from the woodland conservation areas may be done with the use of hand-held equipment only such as pruners or a chain saw. These plants may be cut near the ground and the material less than two inches diameter may be removed from the area and disposed of appropriately. All material from these noxious, invasive, and non-native plants greater than two (2) inches diameter shall be cut to allow contact with the ground, thus encouraging decomposition.
- The use of broadcast spraying of herbicides is not permitted. However, the use of herbicides to discourage re-sprouting of invasive, noxious, or non-native plants is permitted if done as an application of the chemical directly to the cut stump immediately following cutting of plant tops. The use of any herbicide shall be done in accordance with the label instructions.
- Note: The use of chainsaws is extremely dangerous and should not be conducted with poorly maintained equipment, without safety equipment, or by individuals not trained in the use of this equipment for the pruning and/or cutting of trees.

Protection of Reforestation and Afforestation Areas by Developers or Builders

- Reforestation and afforestation areas shall be planted prior to the occupancy of the nearest building or residence. If planting cannot occur due to planting conditions, the developer or property owner shall install the fencing and signage in accordance with the approved Type II Tree Conservation Plan. Planting shall then be accomplished during the next planting season. If planting is delayed beyond the transfer of the property title, to the homeowner, the developer shall obtain a signed statement from the purchaser indicating that they understand that the reforestation area is located on their property and that reforestation will occur during the next planting season. A copy of that document shall be presented to the Grading Inspector and the Environmental Planning Section.
- Reforestation areas shall not to be mowed, however, the management of competing vegetation around individual trees is acceptable.

Protection of Reforestation and Afforestation Areas by Individual Homeowners

- Reforestation fencing and signage shall remain in place in accordance with the approved Type II Tree Conservation Plan or until the trees have grown sufficiently to have crown
- Reforestation areas shall not to be mowed, however, the management of competing vegetation around individual trees is acceptable.

Woodland Areas NOT Counted as Part of the Woodland Conservation Requirements

- 1. A revised Tree Conservation Plan is required prior to clearing any woodland area which is not specifically identified to be cleared on the most recently approved Type II Tree Conservation (TCP) on file in the office of the M-NCPPC, Environmental Planning Section located on the 4th flood of the County Administration Building at 14741 Governor Oden Bowie Drive, Upper Marlboro, Maryland 20772, phone 301-952-3650. Additional mitigation will be required for the clearing of all woodlands beyond that reflected on the approved plans. Although clearing may be allowed, it may be subject to additional replacement requirements, mitigation, and fees which must be reflected on TCP revisions approved by the M-NCPPC Environmental Planning Section.
- Homeowners or property owners may remove trees less than two (2) inches diameter, shrubs, and vines in woodland areas which are saved but not part of the Woodland Conservation requirements after all permits have been released for the subject property. This area may not be tilled or have other ground disturbances which would result in damage to the tree roots. Raking the leaves and overseeding with native grasses, native flowers or native ground covers is acceptable. Seeding with invasive grasses including any variety of Kentucky 31 fescue is not acceptable.

BUFFERING RESIDENTIAL DEVELOPMENT FROM STREETS PER SECTION 4.6.

I. TYPE OF STREET ADJACENT TO REAR YARD OF LOT 12: ARTERIAL 120' R/W

2. MINIMUM WIDTH OF REQUIRED BUFFER: 50'

7. NUMBER OF PLANTS PROVIDED:

3. LINEAR FEET OF STREET FRONTAGE TOWARD WHICH REAR YARDS ARE ORIENTED: 190'

4. NUMBER OF PLANTS REQUIRED: 6 SHADE TREES, 18 EVERGREEN TREES AND 40 SHRUBS PER 100 L.F.

12 SHADE TREES: 35 EVERGREEN TREES:

5. PERCENTAGE OF REQUIRED BUFFER STRIP OCCUPIED BY EXISTING WOODLAND: 0% 6. SIX FOOT FENCE OR WALL OR FIVE FOOT HIGH BERM EMPLOYED IN BUFFER STRIP: YES

> 12 SHADE TREES: 32 EVERGREEN TREES:

BUFFERING RESIDENTIAL DEVELOPMENT FROM STREETS PER SECTION 4.6.

I. TYPE OF STREET ADJACENT TO REAR YARD OF LOT II: ARTERIAL 120' R/W

2. MINIMUM WIDTH OF REQUIRED BUFFER: 50'

3. LINEAR FEET OF STREET FRONTAGE TOWARD WHICH REAR YARDS ARE ORIENTED: 110' 4. NUMBER OF PLANTS REQUIRED:

6 SHADE TREES, 18 EVERGREEN TREES AND 40 SHRUBS PER 100 L.F. SHADE TREES:

20 EVERGREEN TREES:

5. PERCENTAGE OF REQUIRED BUFFER STRIP OCCUPIED BY EXISTING WOODLAND: 0% 6. SIX FOOT FENCE OR WALL OR FIVE FOOT HIGH BERM EMPLOYED IN BUFFER STRIP: YES

7. NUMBER OF PLANTS PROVIDED: 20 EVERGREEN TREES:

RESIDENTIAL REQUIREMENTS PER SECTION 4.1

I. ZONE: R-R 2. NUMBER OF LOTS: 12

3. NUMBER OF TREES REQUIRED PER LOT: 3

NUMBER OF REQUIRED ORNAMENTAL / EVERGREEN TREES PER LOT: 2

4. MINIMUM NUMBER OF TREES PROVIDED PER LOT: 3 MINIMUM NUMBER OF ORNAMENTAL / EVERGREEN TREES PROVIDED PER LOT: 2

5. TOTAL TREES PROVIDED= 36

6. TOTAL ORNAMENTAL PROVIDED = 24

BUFFERING REAR YARDS ON FLAG LOTS PER PREL. PLAN 4-01025 LOT 4

I. BUFFERYARD REQUIRED: "C"

2. MINIMUM WIDTH OF REQUIRED BUFFER: 30' 3. LINEAR FEET OF REAR YARD ORIENTED TOWARD ADJACENT LOT: 145'

4. NUMBER OF PLANTS REQUIRED: 174 PLANT UNITS

(120 PLANT UNITS PER 100 LF) 7. NUMBER OF PLANTS PROVIDED: 175 PLANT UNITS

IO SHADE TREES: 15 EVERGREEN TREES

BUFFERING REAR YARDS ON FLAG LOTS PER PREL. PLAN 4-01025 LOT 7

I. BUFFERYARD REQUIRED: "C"

2. MINIMUM WIDTH OF REQUIRED BUFFER: 30'

3. LINEAR FEET OF REAR YARD ORIENTED TOWARD ADJACENT LOT: 110' 4. NUMBER OF PLANTS REQUIRED: 132 PLANT UNITS

(120 PLANT UNITS PER 100 LF)

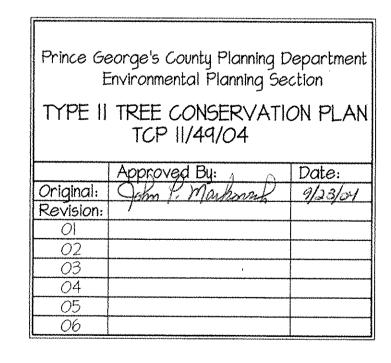
7. NUMBER OF PLANTS PROVIDED: 155 PLANT UNITS

3 SHADE TREES: 15 EVERGREEN TREES:

TREE PROTECTIVE DEVICE BLAZE ORANGE PLASTIC MESH SHOULD BE ATTACHED TO THE TOPS OF THE ANCHOR POSTS ANCHOR POSTS SHOULD BE MINIMUM 2" STEEL U-CHANNEL OR 2"X2" TIMBER AT LEAST 6" FOR CROSS BRACING IN LENGTH MAXIMUM 8 FEET GENERAL NOTES L FOREST PROTECTION ONLY 2 RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS. 3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE. 4. FENCING MATERIAL SHOULD BE FASTENED SECURELY TO THE ANCHOR POSTS, CROSS BRACING, AND GROUND 5. ANCHOR POSTS SHOULD BE PLACED TO AVOID SEVERING OR DAMAGING LARGE TREE ROOTS 6. ROOT DANAGE SHOULD BE AVOIDED. 7. PROTECTIVE SIGNAGE MAY ALSO BE USED. 8. DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION

Standard Type II Tree Conservation Plan Notes

- 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) must be contacted prior to the start of any work on the site to address implementation of Tree Conservation measures shown
- 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 to 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. Prior to the issuance of any permits which impact wetlands, wetland buffers, streams or Waters of the U.S., the applicant shall provide the Environmetal Planning Section of the MNCP&PC with copies of all Federal and State wetland permits, evidence that approval conditions have been complied with, and any associated mitigation plan.
- 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 Sediment Control Inspector from DER. Upon approval of the flagged or staked TPD'S locations, installation of the TPD'S may be installed. TPD installation shall be completed prior to installation of the initial sediment controls. No cutting or clearing of trees may begin before final approval of the
- 7. Woodland conservation area signs shall be posted as shown at the same time as the tree protection devices. These signs shall remain in place.
- 8. All required off-site mitigation shall be identified via an approved TCP II for that site and recorded as an off-site easement in the Land Records of Prince George's County.
- 9. Work for this project will be initiated in phases. All TPD's required for a given phase shall be installed prior to any disturbance within that phase of construction.
- 10. All tree planting for woodland replacement, reforestation or afforestation will be completed prior to the final Use and Occupancy Permit. Failure to establish the 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.



CSD 8316208-2000-00 PRELIMINARY PLAN #4-01025 TYPE II TREE CONSERVATION PLAN and LANDSCAPE PLAN LOTS I THRU 12

LIBER 9854 AT FOLIO 618

MILLENNIUM BUILDERS ADDITION TO ENTERPRISE ESTATES

PRINCE GEORGE'S COUNTY, MARYLAND

TREE CONSERVATION CERTIFICATION: THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE MARYLAND DEPARTMENT OF NATURAL RESOURCES FOREST CONSERVATION ACT, AND THE PRINCE GEORGE'S COUNTY WOODLAND PRESERVATION ORDINANCE. THE PREPARER IS A QUALIFIED PROFESSIONAL UNDER COMAR 08.19.06.01.

Ltd NUM KENNETH R. WALLIS

JOYCE ENGINEERING CORPORATION TEC: (301) 595-4353 FAX: (301) 595-4650 WE8: www.joyceetg.com PESIGN: N/A DATE: APRIL 2002 JOB No.: 002018 DRAFT: HAL COMP: NA SCALE: N/A HECK: JEC | SURVEY: OTHERS SHEET: 2 of 2

LINE 7, 2004; REVISED PER MAY 25TH MICPAPC, EPS LETTER BY J. MARKOVICH

FILE NAME: F:\DWG\02081\02018TCP

9-15-04 DATE