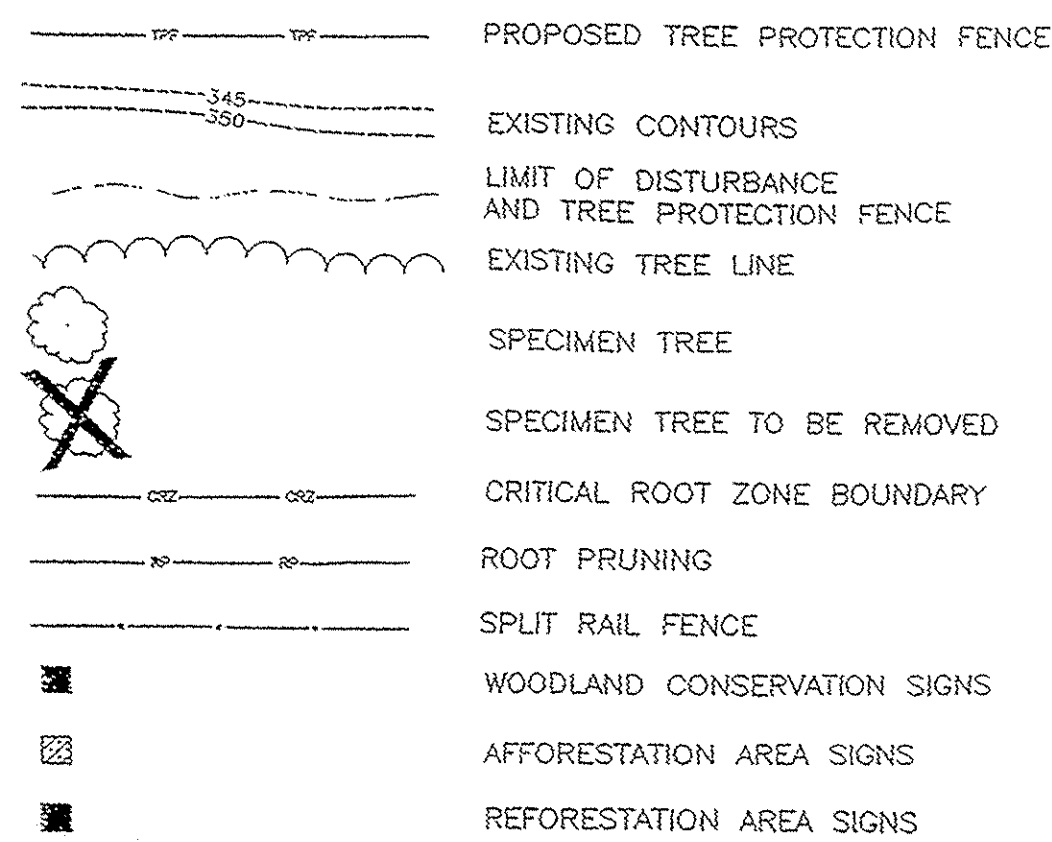
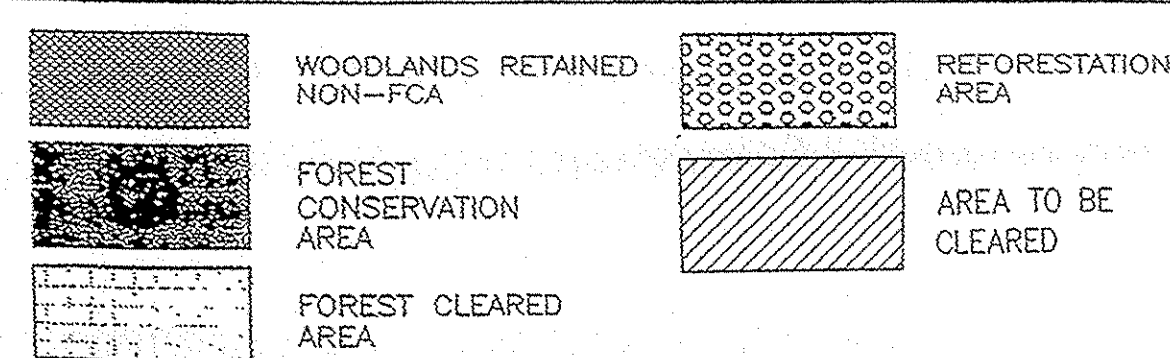


# LEGEND



## TCP LEGEND



## SPECIMEN TREE IDENTIFICATION LIST

BOTANICAL NAME/COMMON NAME	TRUNK DBH (INCHES)	TREE HEIGHT (FEET)	TREE CANOPY	TREE CONDITION	TREE PROTECTION MEASURES/NOTES
1. Quercus alba	32"	60'	40'	GOOD	SAVE
2. Quercus alba	32"	60'	40'	GOOD	SAVE
3. Quercus alba	32"	60'	40'	GOOD	SAVE
4. Quercus alba	32"	60'	40'	GOOD	SAVE
5. Quercus alba	32"	60'	40'	GOOD	SAVE
6. Quercus alba	32"	60'	40'	GOOD	SAVE
7. Quercus alba	32"	60'	40'	GOOD	SAVE
8. Quercus alba	32"	60'	40'	GOOD	SAVE
9. Quercus alba	32"	60'	40'	GOOD	SAVE
10. Quercus alba	32"	60'	40'	GOOD	SAVE
11. Quercus alba	32"	60'	40'	GOOD	SAVE
12. Quercus alba	32"	60'	40'	GOOD	SAVE
13. Quercus alba	32"	60'	40'	GOOD	SAVE
14. Quercus alba	32"	60'	40'	GOOD	SAVE
15. Quercus alba	32"	60'	40'	GOOD	SAVE
16. Quercus alba	32"	60'	40'	GOOD	SAVE
17. Quercus alba	32"	60'	40'	GOOD	SAVE
18. Quercus alba	32"	60'	40'	GOOD	SAVE
19. Quercus alba	32"	60'	40'	GOOD	SAVE
20. Quercus alba	32"	60'	40'	GOOD	SAVE
21. Quercus alba	32"	60'	40'	GOOD	SAVE

## SPECIMEN TREE IDENTIFICATION LIST CONT.

BOTANICAL NAME/COMMON NAME	TRUNK DBH (INCHES)	TREE HEIGHT (FEET)	TREE CANOPY	TREE CONDITION	TREE PROTECTION MEASURES/NOTES
22. Quercus alba	32"	60'	40'	GOOD	SAVE
23. Quercus alba	32"	60'	40'	GOOD	SAVE
24. Quercus alba	32"	60'	40'	GOOD	SAVE
25. Quercus alba	32"	60'	40'	GOOD	SAVE
26. Quercus alba	32"	60'	40'	GOOD	SAVE
27. Quercus alba	32"	60'	40'	GOOD	SAVE
28. Quercus alba	32"	60'	40'	GOOD	SAVE
29. Quercus alba	32"	60'	40'	GOOD	SAVE
30. Quercus alba	32"	60'	40'	GOOD	SAVE
31. Quercus alba	32"	60'	40'	GOOD	SAVE
32. Quercus alba	32"	60'	40'	GOOD	SAVE
33. Quercus alba	32"	60'	40'	GOOD	SAVE
34. Quercus alba	32"	60'	40'	GOOD	SAVE
35. Quercus alba	32"	60'	40'	GOOD	SAVE
36. Quercus alba	32"	60'	40'	GOOD	SAVE
37. Quercus alba	32"	60'	40'	GOOD	SAVE
38. Quercus alba	32"	60'	40'	GOOD	SAVE
39. Quercus alba	32"	60'	40'	GOOD	SAVE
40. Quercus alba	32"	60'	40'	GOOD	SAVE
41. Quercus alba	32"	60'	40'	GOOD	SAVE
42. Quercus alba	32"	60'	40'	GOOD	SAVE

## SPECIMEN TREE IDENTIFICATION LIST CONT.

BOTANICAL NAME/COMMON NAME	TRUNK DBH (INCHES)	TREE HEIGHT (FEET)	TREE CANOPY	TREE CONDITION	TREE PROTECTION MEASURES/NOTES
43. Quercus alba	32"	60'	40'	GOOD	SAVE
44. Quercus alba	32"	60'	40'	GOOD	SAVE
45. Quercus alba	32"	60'	40'	GOOD	SAVE
46. Quercus alba	32"	60'	40'	GOOD	SAVE
47. Quercus alba	32"	60'	40'	GOOD	SAVE
48. Quercus alba	32"	60'	40'	GOOD	SAVE
49. Quercus alba	32"	60'	40'	GOOD	SAVE
50. Quercus alba	32"	60'	40'	GOOD	SAVE
51. Quercus alba	32"	60'	40'	GOOD	SAVE
52. Quercus alba	32"	60'	40'	GOOD	SAVE
53. Quercus alba	32"	60'	40'	GOOD	SAVE
54. Quercus alba	32"	60'	40'	GOOD	SAVE
55. Quercus alba	32"	60'	40'	GOOD	SAVE
56. Quercus alba	32"	60'	40'	GOOD	SAVE
57. Quercus alba	32"	60'	40'	GOOD	SAVE
58. Quercus alba	32"	60'	40'	GOOD	SAVE
59. Quercus alba	32"	60'	40'	GOOD	SAVE
60. Quercus alba	32"	60'	40'	GOOD	SAVE
61. Quercus alba	32"	60'	40'	GOOD	SAVE

## VICINITY MAP

SCALE: 1" = 2000'  
PRINCE GEORGE'S CO. LOCATOR MAP  
ADC MAP PAGE 15 GRID 8-7, 8-6

## FOREST CONSERVATION

1	1.09 AC
2	1.36 AC
3	0.57 AC
4	0.67 AC
5	0.52 AC
6	0.14 AC
7	0.11 AC
<b>TOTAL</b>	<b>4.50 AC</b>

## REFORESTATION

1	0.24 AC
<b>TOTAL</b>	<b>0.24 AC</b>

## TREE CONSERVATION PLAN NOTES

- Outing or clearing of woodland not in conformance with this Plan or without the express written consent of the Planning Board. The fee-in-lieu shall be subject to a \$1500.00 per acre fee-in-lieu of mitigation.
- The fee-in-lieu shall be paid to the Prince George's County Department of Environmental Resources, 14000 Greenbelt Road, Room 200, Greenbelt, MD 20770.
- The fee-in-lieu shall be paid prior to the start of any construction or clearing activity on the site.
- The fee-in-lieu shall be paid in full at the time of the final grading plan.
- The fee-in-lieu shall be paid in full at the time of the final grading plan.
- The fee-in-lieu shall be paid in full at the time of the final grading plan.
- The fee-in-lieu shall be paid in full at the time of the final grading plan.
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- The fee-in-lieu shall be paid in full at the time of the final grading plan.
- The fee-in-lieu shall be paid in full at the time of the final grading plan.

## Woodland Conservation Worksheet

for Prince George's County

Zone:	R.E.
Gross Tract:	16.38
Floodplain:	0.00
Previously Dedicated Land:	0.00
Net Tract (NTA):	16.38

Property Description or Subdivision Name: Woodmore Highlands Sect. 4, TOWNSHIP 0703, 02Y

Is this site subject to the 1989 Ordinance? N

Reforestation Requirement Reduction Questions

Is this one (1) single family lot? (y/n) Y

Are there prior TCP approvals which include a combination of this lot and/or other lots. (y/n) N

Is this a Mitigation Bank? N

Break-even Point (preservation) = 5.55 acres

Clearing permitted w/o reforestation = 8.20 acres

## Woodland Conservation Calculations:

	Net Tract (acres)	Floodplain Impacts (acres)	Off-site (acres)
Existing Woodland	11.85	0.00	
Woodland Conservation Threshold (NTA)	25.00	4.10	
Smaller of a or b	11.85	4.10	
Woodland above WCT	7.76		
Woodland cleared	6.86	0.00	0.00
Smaller of d or e	6.86		
Clearing above WCT (0.25 : 1) replacement requirement	1.72		
Clearing below WCT (2:1 replacement requirement)	0.00		
Afforestation Threshold (AFT) =	20.00	0.00	
Off-site Mitigation being provided on this property	0.00		
Woodland Conservation Required	5.81		

## Woodland Conservation Provided:

	(acres)
Woodland Preservation	4.50
Afforestation / Reforestation	0.24
Area approved for fee-in-lieu	0.44
Credits for off-site mitigation on another property	0.66
Off-site Mitigation being provided on this property	0.00
Total Woodland Conservation Provided	5.84

Area of woodland not cleared 4.99 acres

Woodland retained not of requirements: 0.49 acres

Prepared by: [Signature]

Signed: [Signature] Date: [Date]

Revised 8/1/04

\* Fee-in-lieu approved for previous revision dated 11/9/05 = (0.40 acres and \$5,227.20)

\* Fee-in-lieu approved for this revision = 0.04 acres and \$522.72. Rev #2

## TREE CONSERVATION PLAN TYPE 2

CONTRACT PURCHASER / APPLICANT

WOODMORE HIGHLANDS SECTION 4

PROJECT NO. RX845

SCALE: AS SHOWN

SHEET 1 OF 2

DATE: 11/10/05

BY: [Signature]

DATE: 11/10/05

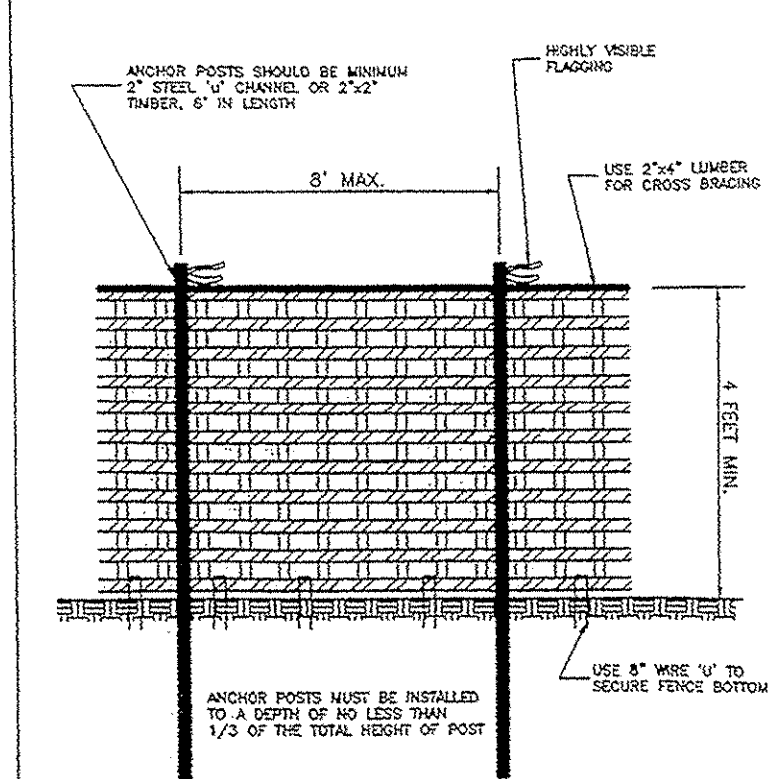
DATE: 11/10/05

DATE: 11/10/05



## TREE PROTECTION FENCING

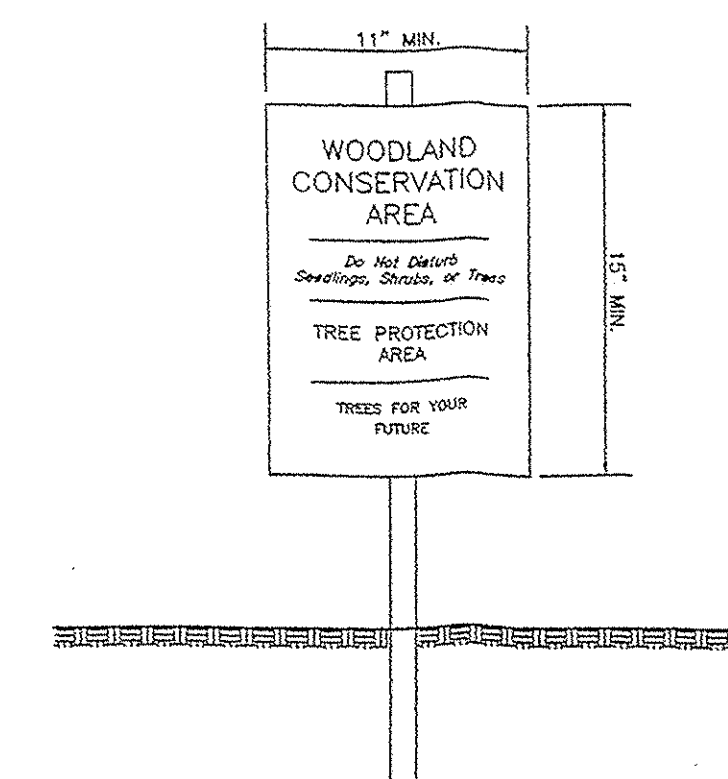
BLAZE ORANGE PLASTIC MESH



- NOTE:
- FOREST PROTECTION FENCE ONLY.
  - RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
  - BOUNDARIES OF RETENTION AREAS SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING FENCE.
  - ROOT DAMAGE SHOULD BE AVOIDED.
  - PROTECTIVE SIGNAGE IS REQUIRED.
  - DEVICES SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.

## SIGNAGE

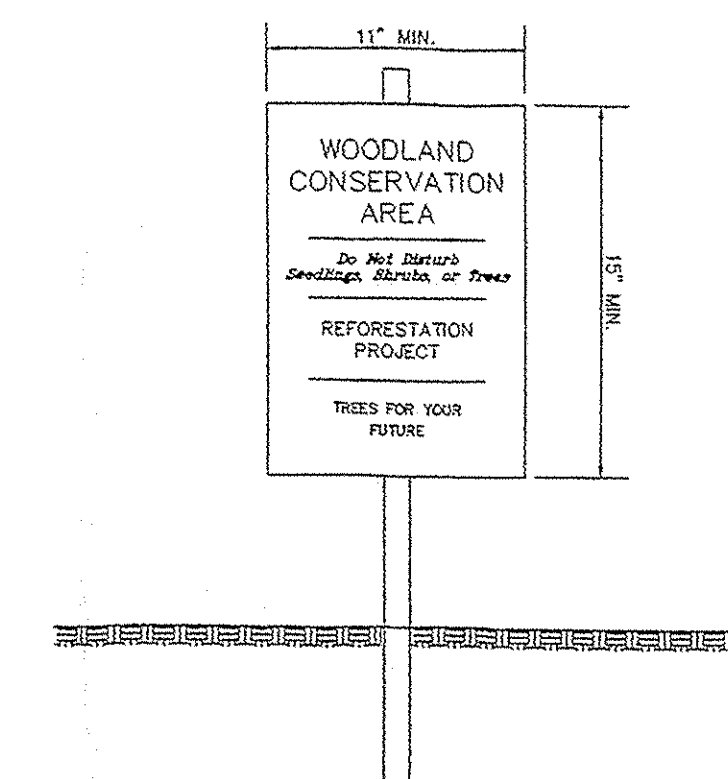
CONSERVATION AREAS



- NOTE:
- ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
  - SIGNS SHOULD BE PROPERLY MAINTAINED.
  - AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR SIGNS.
  - SIGNS SHOULD BE PLACED AT A MAX. INTERVAL OF 100' ALONG ALL L.O.D.'S AND/OR STREAM BUFFERS IN AREAS OF FOREST CONSERVATION.

## SIGNAGE

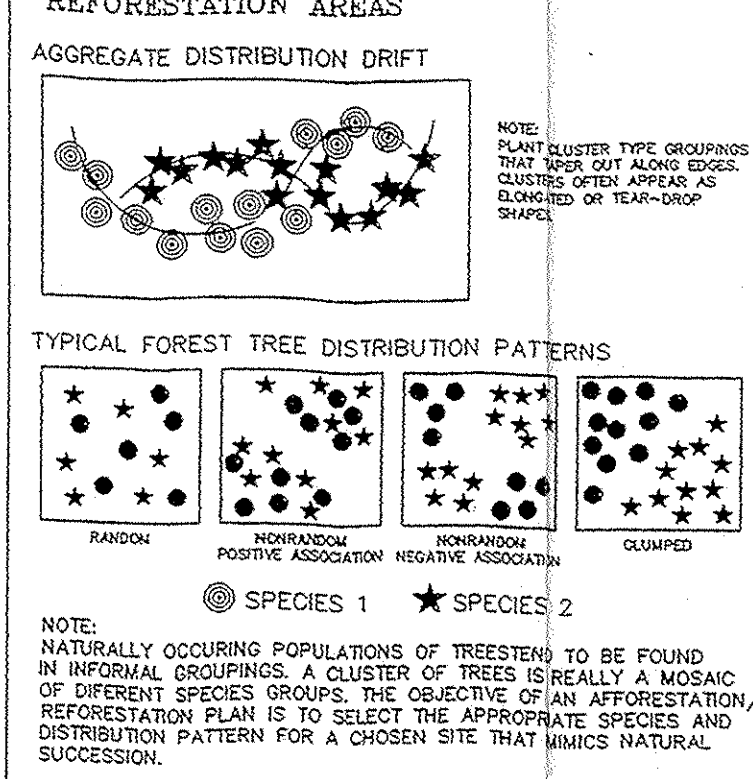
FOREST PLANTING AREAS



- NOTE:
- ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
  - SIGNS SHOULD BE PROPERLY MAINTAINED.
  - AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR SIGNS.
  - SIGNS SHOULD BE PLACED AT A MAX. INTERVAL OF 100' ALONG ALL L.O.D.'S AND/OR STREAM BUFFERS IN AREAS OF FOREST CONSERVATION.

## PLANTING DISTRIBUTION PATTERNS

REFORESTATION AREAS



- NOTE:
- ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
  - SIGNS SHOULD BE PROPERLY MAINTAINED.
  - AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR SIGNS.
  - SIGNS SHOULD BE PLACED AT A MAX. INTERVAL OF 100' ALONG ALL L.O.D.'S AND/OR STREAM BUFFERS IN AREAS OF FOREST CONSERVATION.

## WOODLAND CONSERVATION AREA MANAGEMENT NOTES

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 or property damage.
- 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 A300 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 Areas by Developers or Builders

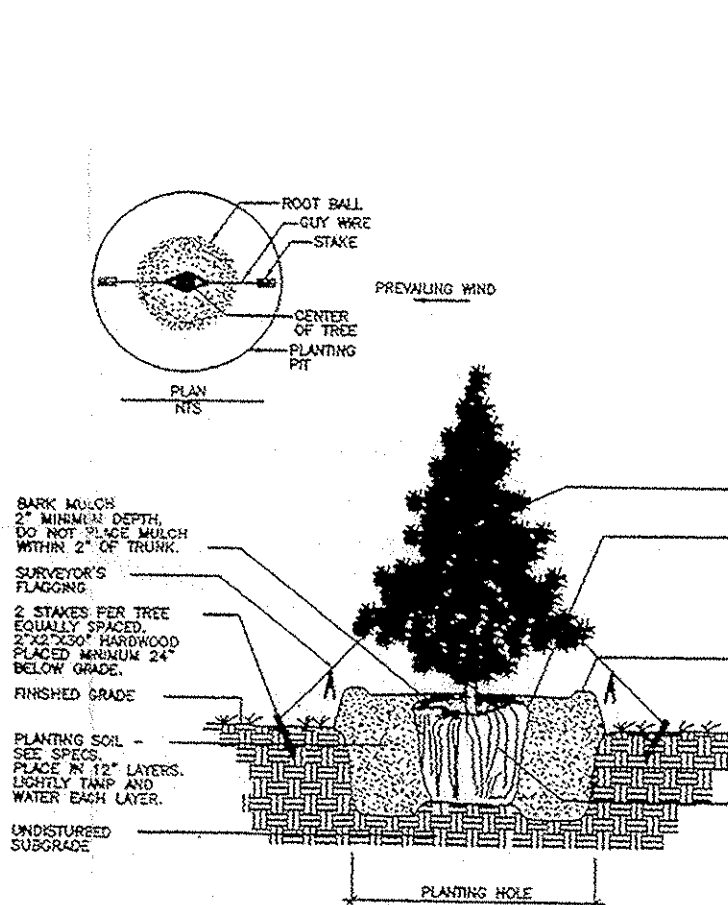
Reforestation areas shall be planted prior to the occupancy of the nearest building or residence. If planting cannot occur due to planting conditions, the developer or property owner shall install the fencing and signage in accordance with the approved Type II Tree Conservation Plan. Planting shall then 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 be mowed, however, the management of competing vegetation around individual trees is acceptable.

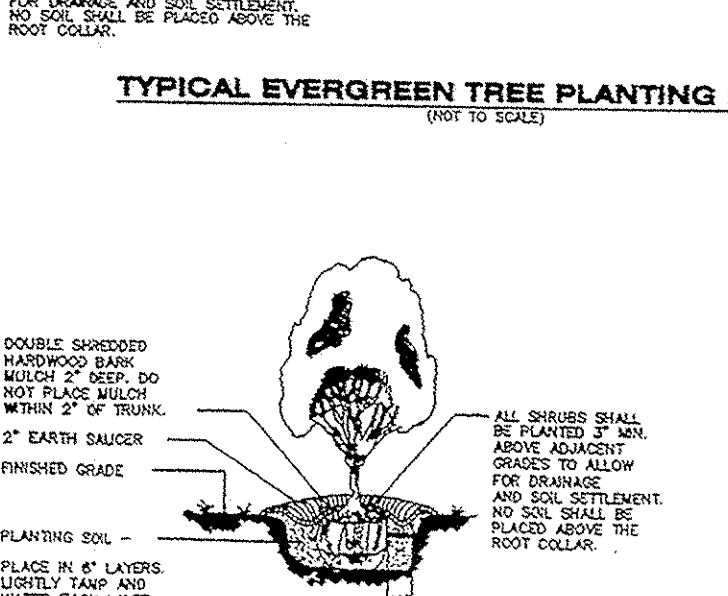
## TREE CONSERVATION PLAN NOTES

- Cutting or clearing of woodland not in conformance with this Plan or without the express written consent of the Planning Director or designee shall be subject to a \$1.50 per square foot mitigation fee.
- The Department of Environmental Resources (DER) Site Development Inspector must be contacted at (301) 683-5300 prior to the start of any work on the site to address implementation of any work on the site to address implementation of Tree Conservation measures shown on this Plan.
- 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 measures shown on this Plan.
- All appropriate bonds will be posted with the Building Official prior to the issuance of any permits. These bonds will be released as surety by the Building Official if required activities have been satisfied.
- The location of all Tree Protective Devices (TPD's) shown on this Plan shall be flagged or staked in the field prior to the pre-construction meeting with Site Development Inspector of DER and the Subsequent Erosion Control Inspector from DER and upon approval of the TPD's may begin. TPD installation shall be completed prior to installation of TPD installation.
- 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 and may be removed after final grading has occurred on that lot. The sign on the lot may be removed after house construction has been completed and the new house owner has legal title to the lot where sign(s) are located.

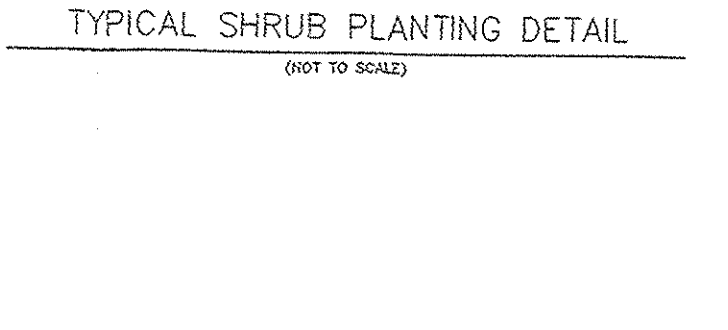
## TYPICAL TREE PLANTING DETAIL



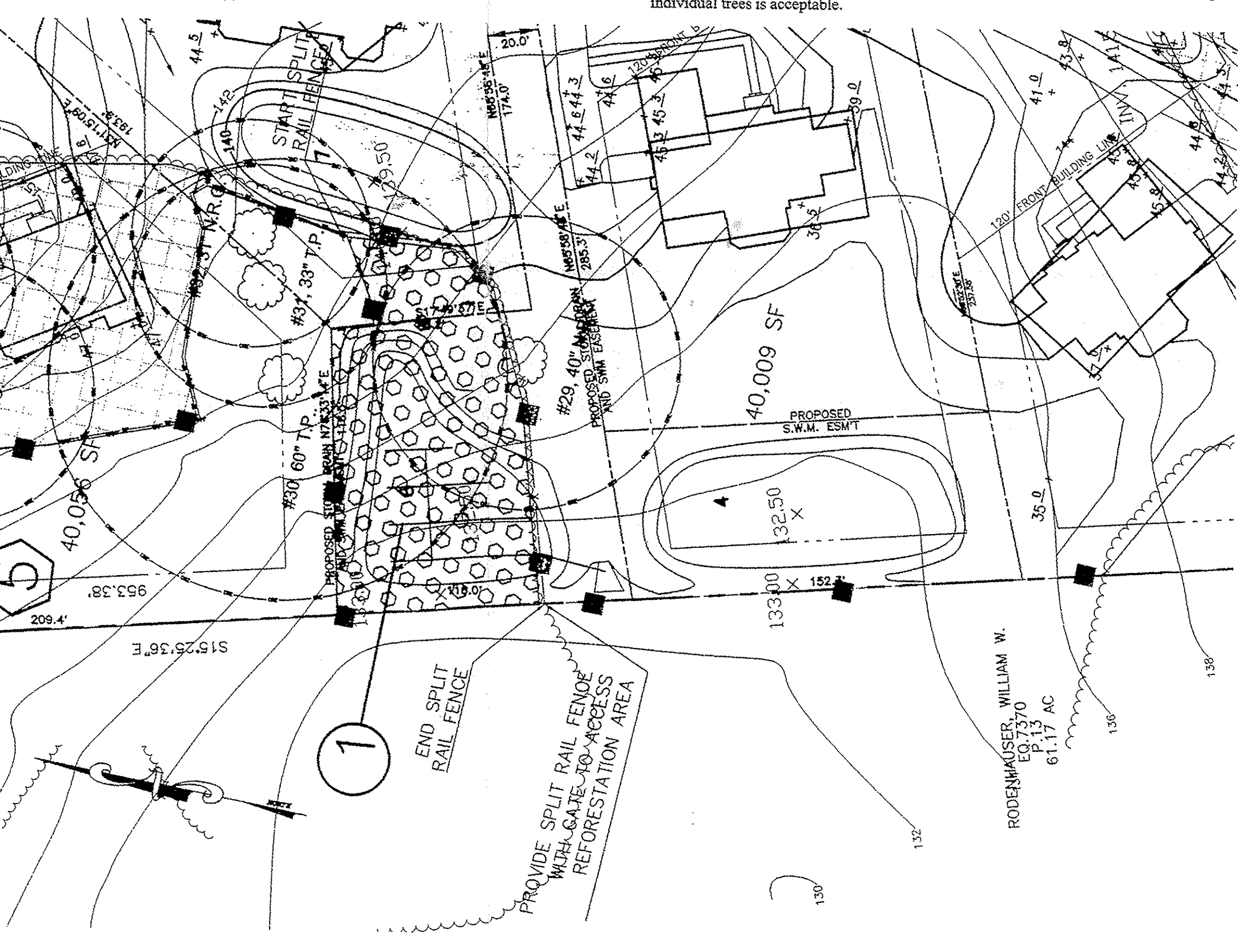
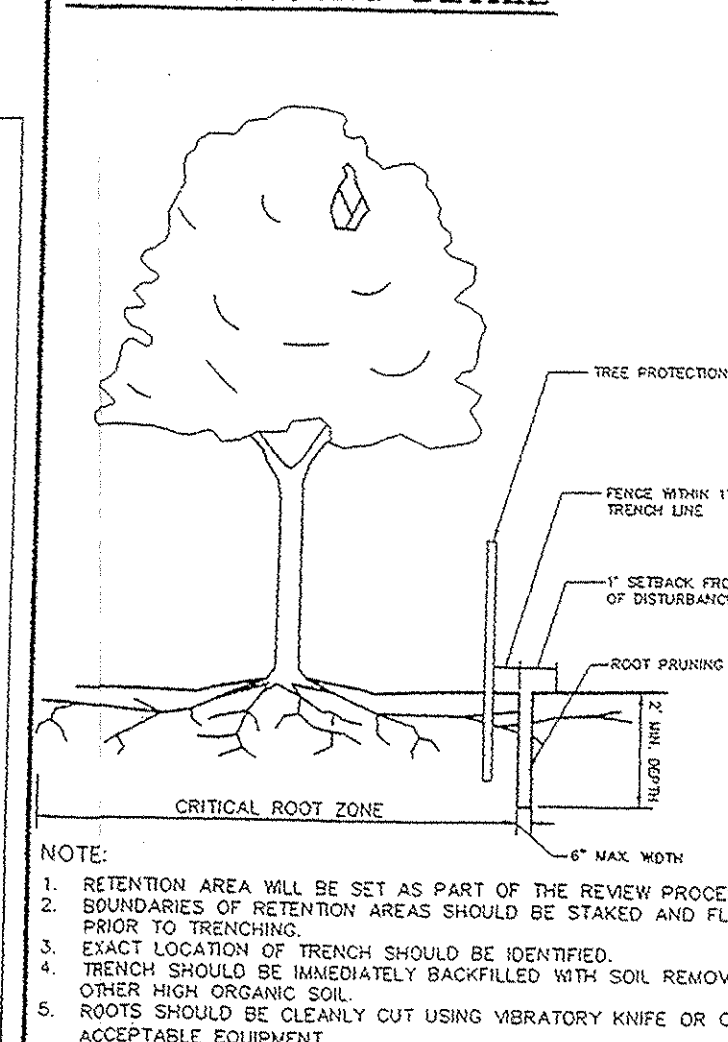
## TYPICAL EVERGREEN TREE PLANTING DETAIL



## TYPICAL SHRUB PLANTING DETAIL



## ROOT PRUNING DETAIL



## REFORESTATION AREAS

SCALE 1"=40'

## ONSITE REFORESTATION PLANTING SCHEDULE FOR 0.24 ACRES (CREDIT FOR 0.1 ACRES OF PLANTING COVERED BY STORM WATER MANAGEMENT LANDSCAPING AREA 6, SEE LANDSCAPING PLAN SHEET 2 FOR DETAILS)

QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE/TYPE	ROOT CONDITION	REMARKS
<b>SHADE TREES</b>						
6	CA	QUERCUS RUBRA	NORTHERN RED OAK	2" CAL	B & B	
6	LT	LIQUIDAMBOR LUPULIFERA	TULIP POPLAR	2" CAL	B & B	
5	PS	PRUNUS SEROTINA	BLACK CHERRY	2" CAL	B & B	
4	CP	QUERCUS PAULSTRE	PIN OAK	2" CAL	B & B	
5	PO	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	2" CAL	B & B	
<b>EVERGREEN TREES</b>						
3	100	ILEX OPACA	AMERICAN HOLLY (FEMALE)	4" - 6" HEIGHT	B & B	
1	100	ILEX OPACA	AMERICAN HOLLY (MALE)	4" - 6" HEIGHT	B & B	
<b>SMALL TREES</b>						
5	CP	CERCIS CANADENSIS	EASTERN REDBUD	1" CAL	B & B	
5	CC	SHADBLOW VIBURNUM	SHADBLOW VIBURNUM	1" CAL	B & B	
6	CC	CARPINUS CAROLINIANA	IRON WOOD	1" CAL	B & B	

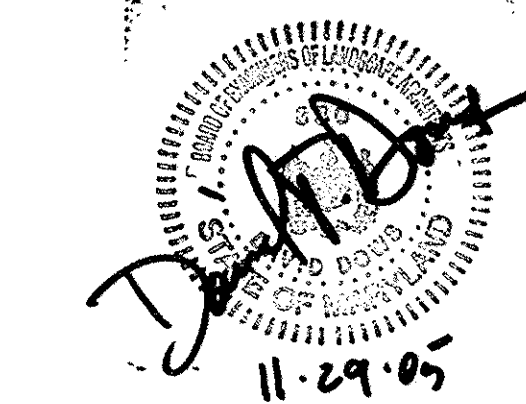
- NOTE:
- RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
  - BOUNDARIES OF RETENTION AREAS SHOULD BE STAKED AND FLAGGED PRIOR TO TRENCHING.
  - EXACT LOCATION OF TRENCHES SHOULD BE IDENTIFIED.
  - TRENCHES SHOULD BE IMMEDIATELY BACKFILLED WITH SOIL REMOVED OR OTHER HIGH ORGANIC SOIL.
  - ROOTS SHOULD BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE EQUIPMENT.

THIS PLAN MODIFIED BY AB CONSULTANTS, INC. AS PER RIGHTS PURCHASED BY OWNER. ALL PROPOSED CHANGES ARE LIMITED TO LOT 2 WOODLAND CONSERVATION ONLY.

**AB CONSULTANTS, INC.**  
9450 ANNAPOLIS ROAD  
LANHAM, MARYLAND 20706  
PHONE: (301) 306-3091  
FAX: (301) 306-3092

CONTACT: CHINMAY VIAS, PE PHONE: 301-306-3091 x 22

CALL "MISS UTILITY"  
1-800-257-7777  
FOR UTILITY LOCATIONS  
AT LEAST 48 HOURS BEFORE  
BEGINNING CONSTRUCTION



Maryland Professional Engineer  
Chinmay Vias, PE  
No. 112905

Approved by: JOHN MARKOVICH Date: 02/23/09  
LORI SHIRLEY 11/15/05  
THOMAS SHIRLEY 11/23/05

\* REFER TO DEWBERRY REVISION BLOCK FOR DESCRIPTION OF D1 REVISION

**Dewberry & Davis LLC**  
Architects - Planners - Surveyors - Landscape Architects  
10000 DEWBERRY LANE, SUITE 200, LANHAM, MD 20706  
www.dewberry.com  
(801) 281-8881 FAX (801) 731-0168

## TREE CONSERVATION PLAN TYPE 2

CONTRACT PURCHASER / APPLICANT  
ED LONGERAN  
LONGERAN HOMES, INC.  
16912 QUEEN ANNE BR. ROAD  
BOWIE, MD 20716  
ATtn: ED LONGERAN  
Phone: (301) 371-9521

## WOODMORE HIGHLANDS SECTION 4

PROJECT NO. RX845  
SCALE: AS SHOWN  
SHEET 2 OF 2