

WOODLAND CONSERVATION WORKSHEET FOR
GOVERNMENTAL PROJECT

ZONE:	R-E
GROSS TRACT:	55.23 AC.
100-YEAR FLOODPLAIN:	5.55 AC.
DEDICATED LAND:	0.00 AC.
NET TRACT:	49.68 AC.

OWNER: Prince George's County Public Schools
ADDRESS: 13300 Old Marlboro Pike
Upper Marlboro, Maryland 20772
PHONE: 301-952-6541
TAX MAP/GRID/PARCEL: 92 / A2

EXISTING WOODLAND ON-SITE: 37.62 AC.
WOODLAND REMOVED: 24.77 AC.
WOODLAND PRESERVED: 07.61 AC.
WOODLAND REPLACEMENT REQUIRED (1:1) : 24.77 AC.
WOODLAND PRESERVED BUT NOT COUNTED (IN FLOODPLAIN) 5.24 AC.

NOTES REGARDING WOODLAND REPLACEMENT: **REFORESTATION ON SITE: 2.96 AC.**
PRESERVATION OFF-SITE: 21.81 AC. X 2 -

NOTE: OFF-SITE PRESERVATION WILL BE DONE AT A 2:1 RATIO

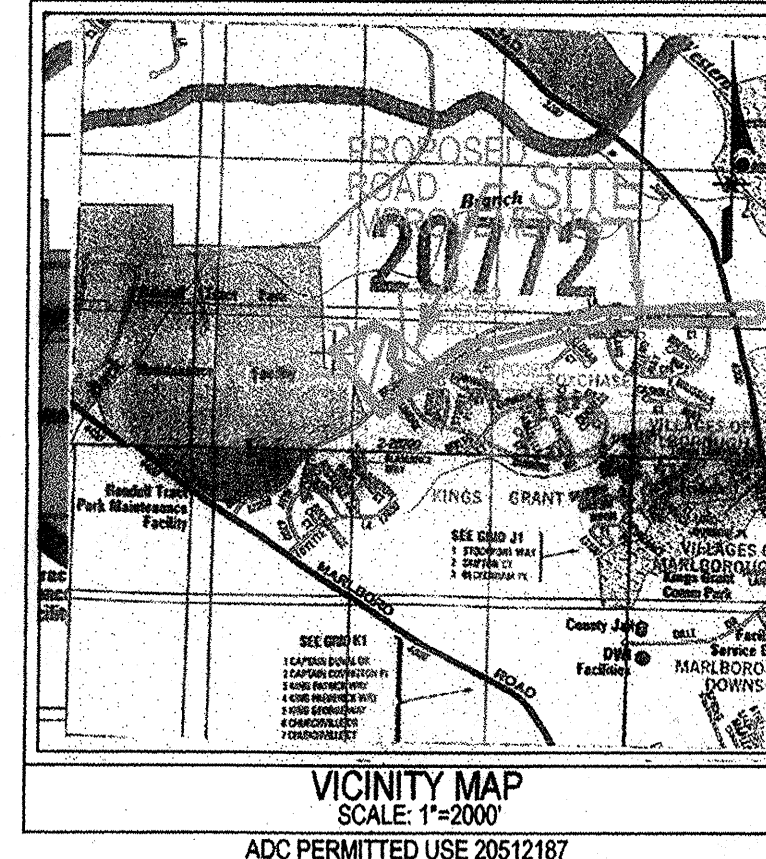
REVISÉD

SHEET 4

SHEET 4

LEGEND

-
- Legend for map symbols:
- PROPERTY BOUNDARY
 - EXISTING TREE LINE
 - WETLAND BUFFER
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - LIMIT-OF-DISTURBANCE LINE
 - SIGNIFICANT TREES
 - PMA LINE
 - EXISTING STREAM
 - FLOODPLAIN
 - STREAM VALLEY BUFFER
 - EXISTING WETLANDS
 - EXISTING WETLAND BUFFER
 - TREE SAVE FENCE



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GRIMM + PARKER ARCHITECTS

TREE CONSERVATION PLAN
HENRY WISE HIGH SCHOOL
SUBREGION VI ELEMENTARY SCHOOL
15th ELECTION DISTRICT
12700 BROOKE LANE
DALLAS, TEXAS 75244

DATE	DESCRIPTION
3-23-04	① ADDENDUM
3-26-04	② ADDENDUM
3-26-04	③ ADDENDUM
4-02-04	④ ADDENDUM
5-14-04	⑤ PGDER COMMENT
11-27-07	⑥ ADDITION ELEMENTA SCHOOL
10/30/08	⑦ ADDITION OF SEDIMENT TRAP #1

SCALE : 1" = 100'

1 of 5
TREE CONSERVATION
PLAN II

C-2

CONSTRUCTION SET

REFORESTATION AREA
0.69 ACRES

TREE PRESERVATION AREA
02.67 ACRES

TREE PRESERVATION AREA
02.08 ACRES

REFORESTATION AREA
0.49 ACRES

TREE PRESERVATION AREA
0.67 ACRES

REFORESTATION AREA
0.31 ACRES

REFORESTATION AREA
0.20 ACRES

SHEET 3

TREE PRESERVATION AREA
02.19 ACRES

**NOTE:
AREA REVISED FOR
SEDIMENT TRAP #1**

GENERAL NOTES

1. TOTAL PROJECT AREA IS 2,405,819 SQ.FT OR 55.23 ACRES
2. DEED REFERENCE: LIBER 680 FOLIO 079 PARCEL 7.
3. SITE IS KNOWN AS TAX MAP 92 GRID A-2 ADC MAP 20 GRID C-13 EXISTING ZONING IS R-E.
4. PROPERTY LINE AND TOPOGRAPHIC SURVEY INFORMATION HEREON WAS PREPARED BY LOIEDERMAN SOLTESZ ASSOCIATES FOR PGPCS IN NOVEMBER, 2003 MD STATE DATUM NAD 83/NAVD 29.
5. PROPOSED USE : PUBLIC SCHOOL BUILDING.
6. PUBLIC WATER AND SEWER SERVICE TO BE PROVIDED UPON APPLICATION TO THE SITE. EXISTING SERVICE CATEGORIES: W-3 AND S-3.
7. NO HISTORIC SITES ARE KNOWN TO EXIST WITHIN OR ADJACENT TO THE SUBJECT PROPERTY.
8. THE PREDOMINANT SOIL TYPES ARE MARR FINE SAND, MIXED ALLUVIAL LAND, AND STEEP SANDY LAND.
9. PERENNIAL STREAMS ARE LOCATED ON THE SUBJECT PROPERTY.
10. IN JANUARY OF 2002 AND SEPTEMBER OF 2003, LOIEDERMAN SOLTESZ ASSOCIATES CONDUCTED A FOREST STAND DELINEATION (FSD) AND WETLAND INVESTIGATION AND SITE VISITS FOR THE SUBREGION 6 HIGH SCHOOL FOR PRINCE GEORGE'S COUNTY PUBLIC SCHOOLS.
11. CONTOUR INTERVAL : 2'
12. CONCEPT STORM DRAIN (CSD) #3244--2002-01

SHEET 2

SHEET 2

SHEET 3

REFORESTATION AREA
01.27 ACRES

M-NCPPC		
Prince George's County Planning Department		
Environmental Planning Section		
APPROVAL		
TREE CONSERVATION PLAN		
TCPII / 48 / 02-03		
	Approved by	Date
	JOHN MARKOVICH	6/18/02
01	JOHN MARKOVICH	11/24/03
02	JOHN MARKOVICH	2/9/04
03	K. FRITZ	1/23/08
04	<i>SL [Signature]</i>	11/25/08
05		

GRAPHIC SCALE



100 50 0 100 200

1 INCH EQUALS 100 FEET

OWNER / DEVELOPER
PRINCE GEORGE'S COUNTY PUBLIC SCHOOLS
13300 OLD MARLBORO PIKE
UPPER MARLBORO, MARYLAND 20772
ATTENTION: MR. RUPERT McCAVE
PHONE 301-952-6593

SCALE: 1" = 50'

LEGEND

- PROPERTY BOUNDARY
- EXISTING TREELINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- LIMIT-OF-DISTURBANCE LINE
- SIGNIFICANT TREES
- PMA LINE
- EXISTING STREAM
- FLOODPLAIN
- STREAM VALLEY BUFFER
- EXISTING WETLANDS
- TREE SAVE FENCE

TREE PRESERVATION AREA

REFORESTATION AREA

PRESERVED FOREST
NOT INCLUDED IN PRESERVATION CALCULATIONS
BECAUSE IN FLOODPLAIN

M-NCPPC Prince George's County Planning Department Environmental Planning Section		
APPROVAL		
TREE CONSERVATION PLAN		
TCP11 / 48 / 02 - 03		
Approved by	Date	
JOHN MARKOVICH	8/18/02	
01 JOHN MARKOVICH	11/24/03	
02 JOHN MARKOVICH	2/9/04	
03 K. Faint	1/25/05	
04 J. L. Faint	4/25/05	
05		

SHEET 3

SHEET 2

SCALE: 1" = 50'
GRAPHIC SCALE: 1" = 50'

OWNER / DEVELOPER

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13300 OLD MARLBORO PIKE
UPPER MARLBORO, MARYLAND 20772
ATTENTION: MR. RUPERT MCGAVE
PHONE 301-952-6593

DATE	DESCRIPTION
3-23-04	ADDENDUM
3-28-04	ADDENDUM
3-28-04	ADDENDUM
4-02-04	ADDENDUM
5-14-04	ADDENDUM
11-27-07	ADDENDUM
10/30/08	ADDENDUM

2 of 5 TREE CONSERVATION PLAN II

C-3

CONSTRUCTION SET
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TREE CONSERVATION PLAN
HENRY WISE HIGH SCHOOL
SUBREGION VI ELEMENTARY SCHOOL
15th ELECTION DISTRICT
12700 BROOKLE LANE
UPPER MARLBORO, MARYLAND

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A NON-JURISDICTIONAL DRAINAGE SWALE AS PER ARMY CORPS OF ENGINEERS DETERMINATION.

SHEET 4

SHEET 3

SHEET 2

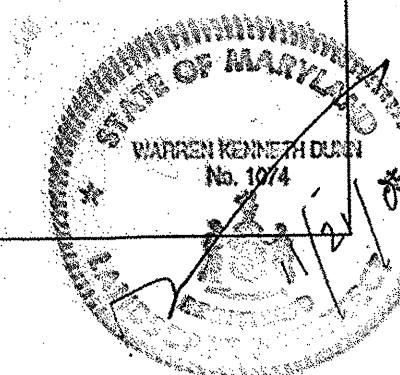
SHEET 2

PROPOSED VI
SUBREGION VI
ELEMENTARY SCHOOL
F.F.E. = 107.00

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- PRESERVED FOREST
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BECAUSE IN FLOODPLAIN
- TREE PROTECTION SIGN LOCATION
- PROPOSED EARTH DIKE

M-NCPPC Prince George's County Planning Department Environmental Planning Section APPROVAL TREE CONSERVATION PLAN TCPH / 48 / 02-03		
Approved by		Date
JOHN MARKOVICH		6/18/02
01	JOHN MARKOVICH	11/24/03
02	JOHN MARKOVICH	2/9/04
03	K. FRITZ	1/23/08
04	<i>John Markovich</i>	4/23/08
05		



GRAPHIC SCALE : 1" = 50'

OWNER / DEVELOPER

PRINCE GEORGE'S COUNTY PUBLIC SCHOOLS
13300 OLD MARLBORO PIKE
UPPER MARLBORO, MARYLAND 20772
ATTENTION: MR. RUPERT MCAVE
PHONE 301-962-6593

DATE	DESCRIPTION
3-23-04	ADDENDUM
3-26-04	ADDENDUM
3-26-04	ADDENDUM
4-02-04	ADDENDUM
5-14-04	PGER COMMENTS
11-27-07	ADDITION OF ELEMENTARY SCHOOL
10/30/08	ADDITION OF SEDIMENT TRAP #1

SCALE : 1" = 50'

3 of 5
TREE CONSERVATION PLAN II

C-4

CONSTRUCTION SET
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TREE CONSERVATION PLAN
HENRY WISE HIGH SCHOOL
SUBREGION VI ELEMENTARY SCHOOL
15th ELECTION DISTRICT
12700 BROOKLE LANE
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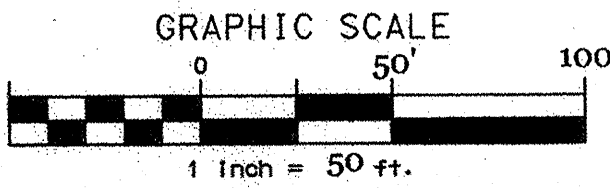
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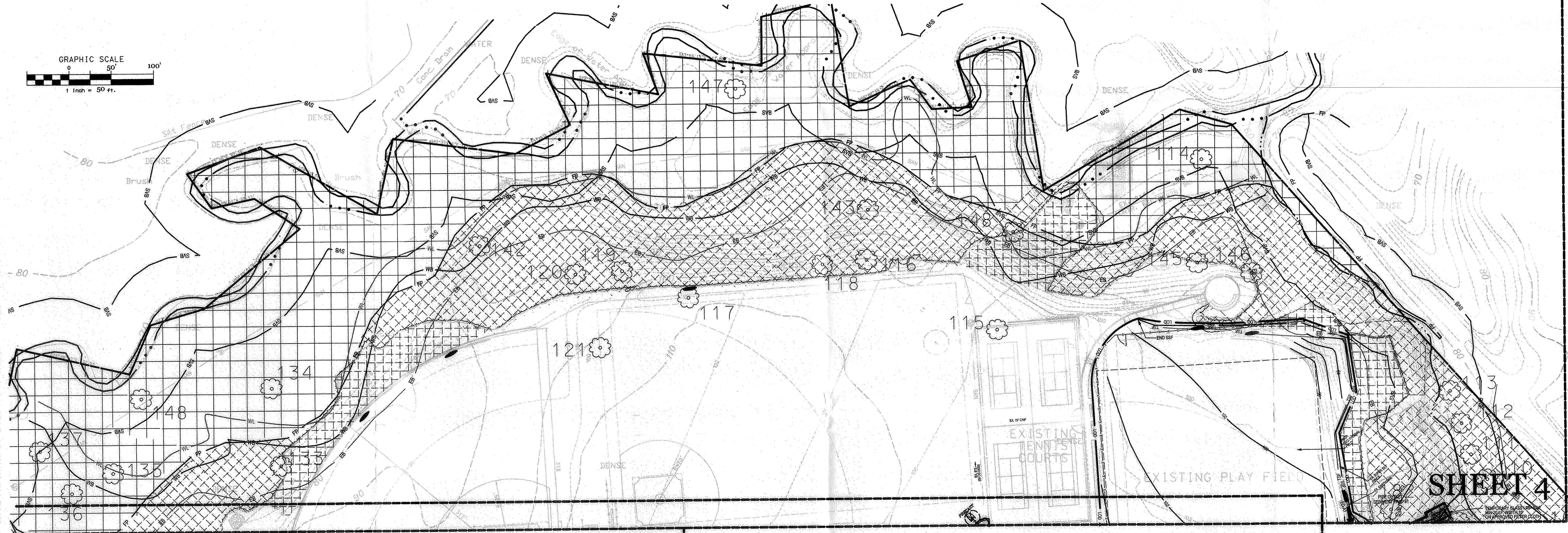
M-NCPPC Prince George's County Planning Department Environmental Planning Section APPROVAL TREE CONSERVATION PLAN TCP# / 48 02-03		
Approved by	JOHN MARKOVICH	Date 6/18/02
01	JOHN MARKOVICH	11/24/03
02	JOHN MARKOVICH	2/9/2004
03	K. Faltz	1/23/08
04	J. C. Faltz	1/23/08
05		

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- TREE PROTECTION SIGN LOCATION



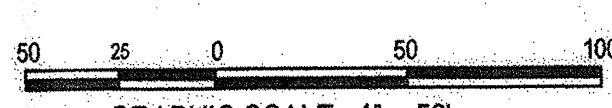
SCALE 1" = 50'



SHEET 4

SHEET 2

SHEET 3



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GRIMM + PARKER
ARCHITECTS

TREE CONSERVATION PLAN
HENRY WISE HIGH SCHOOL
SUBREGION VI ELEMENTARY SCHOOL
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SCALE: 1" = 50'

4 of 5
TREE CONSERVATION PLAN
C-5
CONSTRUCTION SET

SUBREGION 6 HIGH SCHOOL - SIGNIFICANT TREES					
Tag #	DBH	COMMON NAME	SCIENTIFIC NAME	CONDITION	NOTES
1-90		Tags not used			
101	48	White Oak	Fraxinus americana	Fair	Dead lower limbs
102	40	Red Oak	Quercus rubra	Fair	Twin with 103
103	30	Red Oak	Quercus rubra	Fair	Twin with 102
104	45	Tulip tree	Liriodendron tulipifera	Poor	
105	37	White Oak	Quercus alba	Good	
106	41	Tulip tree	Liriodendron tulipifera	Fair	
107	38	Tulip tree	Liriodendron tulipifera	Poor	
108	48	White Oak	Quercus alba	Fair	Twin stem
109	30	Tulip tree	Liriodendron tulipifera	Good	
110	40	White Oak	Quercus alba	Fair	Two stems above breast height
111	30	Tulip tree	Liriodendron tulipifera	Good	
112	38	Tulip tree	Liriodendron tulipifera	Good	
113	32	Tulip tree	Liriodendron tulipifera	Poor	
114	35	American Beech	Fagus grandifolia	Poor	
115	35	Red Oak	Quercus rubra	Good	
116	30	American Beech	Fagus grandifolia	Good	
117	37	American Beech	Fagus grandifolia	Poor	Missing center hollow
118	33	American Beech	Fagus grandifolia	Good	
119	32	Tulip tree	Liriodendron tulipifera	Good	
120	30	American Beech	Fagus grandifolia	Fair	Triple stem
121	30	Tulip tree	Liriodendron tulipifera	Fair	
122	50	Tulip tree	Liriodendron tulipifera	Fair	Twin stem
123	33	Tulip tree	Liriodendron tulipifera	Good	
124	34	Tulip tree	Liriodendron tulipifera	Good	
125	42	Tulip tree	Liriodendron tulipifera	Good	
126	31	Chesnut Oak	Quercus prinus	Good	
127	37	White Oak	Quercus alba	Good	
128	37	White Oak	Quercus alba	Fair	
129	31	Sycamore	Platanus occidentalis	Fair	Next to neighboring, still missing half of tree
130	30	American Beech	Fagus grandifolia	Good	
131	37	American Beech	Fagus grandifolia	Good	
132	31	American Beech	Fagus grandifolia	Good	
133	32	American Beech	Fagus grandifolia	Good	
134	30	Tulip tree	Liriodendron tulipifera	Good	
135	65	Sycamore	Platanus occidentalis	Fair	Twin at 8 feet
136	30	Sycamore	Platanus occidentalis	Poor	Covered with toxic-looking red vines
137	34	Tulip tree	Liriodendron tulipifera	Good	
138	34	Tulip tree	Liriodendron tulipifera	Good	
139	31	American Beech	Fagus grandifolia	Good	
140	40	American Beech	Fagus grandifolia	Good	
141	48	Tulip tree	Liriodendron tulipifera	Poor	Missing center hollow on stream bank
142	49	American Beech	Fagus grandifolia	Good	
143	30	Tulip tree	Liriodendron tulipifera	Good	
144	40	American Beech	Fagus grandifolia	Fair	
145	40	American Beech	Fagus grandifolia	Poor	Split in half, second half was dead on ground
146	35	American Beech	Fagus grandifolia	Good	
147	34	White Oak	Fraxinus americana	Fair	
148	30	American Beech	Fagus grandifolia	Poor	
149	34	Tulip tree	Liriodendron tulipifera	Poor	Missing part of trunk from fire
150	40	Tulip tree	Liriodendron tulipifera	Fair	Twin stem
151	37	Tulip tree	Liriodendron tulipifera	Good	On bank where two waters meet
152-179		Tags not used			
180	30	American Beech	Fagus grandifolia	Good	
181	36	White Oak	Quercus alba	Good	
182	46	White Oak	Quercus alba	Good	
183	30	White Oak	Quercus alba	Good	
184	30	White Oak	Quercus alba	Good	
185	33	Tulip tree	Liriodendron tulipifera	Good	
186	30	White Oak	Quercus alba	Good	
187	31	White Oak	Quercus alba	Good	
188	32	Tulip tree	Liriodendron tulipifera	Good	
189	30	White Oak	Quercus alba	Good	
● indicates trees that are to be saved					

REFORESTATION MANAGEMENT NOTES

- HERBACEOUS VEGETATION WILL BE CONTROLLED BY THE APPLICATION OF A PRE-EMERGENT HERBICIDE BEFORE TREE PLANTING. CONSISTENT WITH THE LABEL INSTRUCTIONS. NEED FOR SUBSEQUENT VEGETATION CONTROL WILL BE EVALUATED DURING SURVIVAL CHECKS AND APPLIED ON AN AS-NEEDED BASIS. ALL CHEMICALS AND APPLICATION PROCEDURES TO MEET ALL APPLICABLE LAWS.
- SEEDLINGS WILL BE PLANTED IN OPEN AREAS AND AMONG EXISTING TREES. AVOIDING DAMAGE TO LARGE TREE ROOTS. NO SEEDLING SHALL BE PLANTED CLOSER THAN 10-FEET TO ANY EXISTING TREE 7-INCHES OR MORE IN DIAMETER BREAST HEIGHT.
- SEEDLINGS SHALL BE PLANTED USING RANDOM DISTRIBUTION OF SPECIES AND LOCATIONS AT AN AVERAGE OF 1,000 SEEDLINGS PER ACRE (AVERAGE SPACING OF 6-FEET X 7-FEET OR 5-FEET X 8-FEET). SEE PLANTING DETAIL FOR PROPER TECHNIQUE AND PLANT LIST FOR SPECIES AND QUANTITY INFORMATION.
- SEEDLINGS SHALL BE GRADED FOR QUALITY, ESPECIALLY THE ROOT SYSTEM. BEFORE PLANTING AND SHALL COME FROM LOCAL SOURCES. SPECIFICATION TO BE PROVIDED TO THE PLANTING CONTRACTOR BY THE OWNER OR HIS AGENT.
- SEEDLINGS WILL BE STORED AND HANDLED TO PREVENT DRYING OF THE ROOT SYSTEM. FREEZING, OR DAMAGE BY EXCESSIVE HEAT. TREES HELD OVER ONE (1) WEEK BEFORE PLANTING SHALL BE HELED-IN AND WELL WATERED.
- ALL TREE PLANTING SHALL BE ON A "WEATHER PERMITTING" BASIS. MEANING WEATHER CONDITIONS WILL NOT BE IN EXTREME EXCESS OF TREE TOLERANCES FOR SURVIVAL DURING HANDLING AND PLANTING, INCLUDING SITE DRAINAGE AND SOIL CONDITIONS.
- ANY TREE SHOWN BY INSPECTION WITHIN 30 DAYS OF PLANTING TO BE IMPROPERLY PLANTED SHALL BE REPLACED WITH NEW TREES OF THE SAME SIZE, TYPE, AND OTHER SPECIFICATIONS PROPERLY PLANTED. IF 20% OR MORE OF THE SEEDLINGS ARE IMPROPERLY PLANTED, THE ENTIRE STAND MAY BE REQUIRED TO BE REPLACED WITH NEW TREES PROPERLY PLANTED OR THE TOTAL COST OF THE TREES AND THE PLANTING RE-PAID TO THE OWNER, AT THE OWNER'S OPTION.
- SURVIVAL OF AT LEAST 75% OF THE SEEDLINGS AT THE END OF THE THIRD GROWING SEASON MUST BE GUARANTEED BY THE TREE PLANTING CONTRACTOR. THE CONTRACTOR WILL NOT BE LIABLE FOR TREE LOSSES DUE TO CONDITIONS BEYOND HIS CONTROL OR TREE LOSSES BEYOND THE THREE (3) YEARS AFTER PLANTING.
- Plants to be watered once per week during periods of low rainfall (less than 1" per week.)

M-NCPPC Prince George's County Planning Department Environmental Planning Section	
APPROVAL TREE CONSERVATION PLAN TCPII / 48 / 02-03	
Approved by	Date
JOHN MARKOVICH	6/18/02
JOHN MARKOVICH	11/24/03
JOHN MARKOVICH	2/9/04
K. FRATZ	1/23/08
JL. GILMAN	11/25/08

FOREST RETENTION AREA

MACHINERY, DUMPING OR STORAGE OF ANY MATERIALS IS PROHIBITED

VIOLATORS ARE SUBJECT TO FINES AS IMPOSED BY THE MARYLAND FOREST CONSERVATION ACT OF 1991

MOUNT SIGN WITH NAILS OR TACKS TO A WOODEN POSTS.

BURY SIGN POST 2' INTO THE GROUND

PRESERVATION PROTECTION SIGN

EDGE MANAGEMENT NOTES:

- All non-native, noxious or invasive species may be selectively cleared from tree save areas by cutting at ground level with a saw or clippers and then immediately applying a herbicide to the cut surface in accordance with the method approved for that registered herbicide. Below is a list of species fitting this classification.

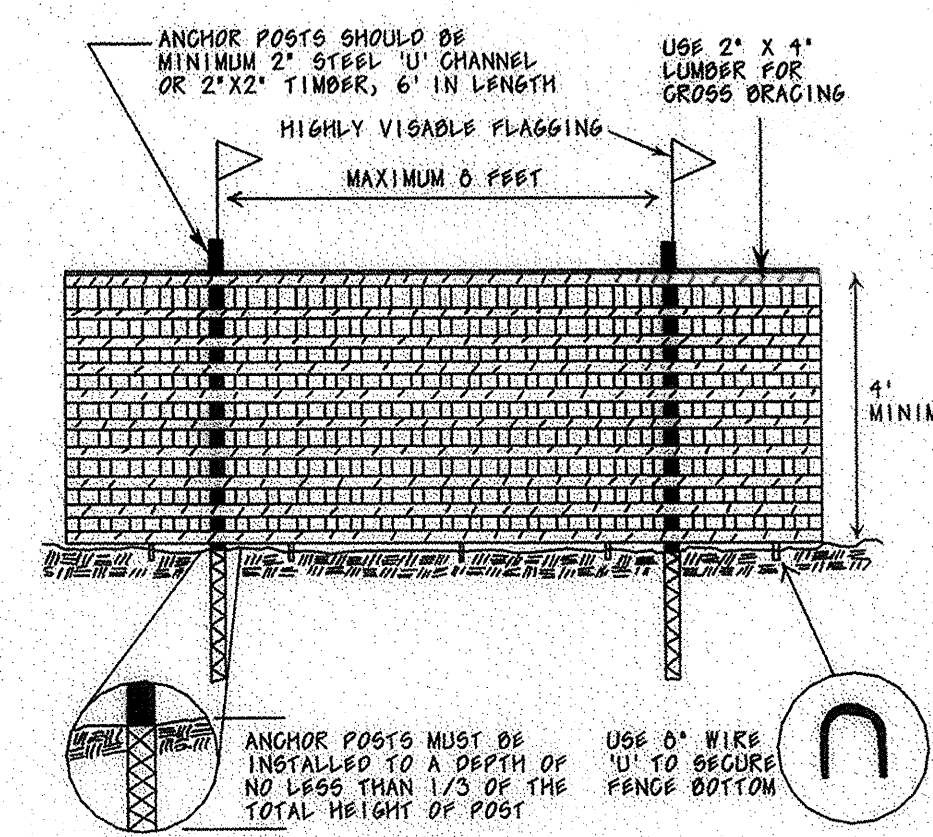
Garlic Mustard	Tall Fescue K31 Fescue	Service Lespedeza
Common Reed	Japanese Knotweed	Mile-a-minute Vine
Lesser Celandine	Porcelain Berry	Cinnamon Vine
Climbing Euonymus,	Wintercreeper Japanese	Honeysuckle Kudzu
English Ivy	Parivinkle	Wisteria
Japanese Barberry	Russian Olive	Autumn Olive
Winged Euonymus	Privet	Bush Honeysuckles
Bamboo	Common Buckthorn	European Buckthorn
Multiflora rose	Wineberry	Japanese Spiraea
Coralberry	Norway Maple	Tree of Heaven
White Mulberry	Empress Tree	Sweet Cherry
- In addition the following native species may be cleared with 75 feet of an edge due to the nuisance nature of the plants when growing in the proximity of residences.

Poison Ivy	Greenbrier	Blackberry
------------	------------	------------
- All dead trees within 75 feet of an edge may be selectively removed by cutting with a saw at ground level. All hazardous trees within 75 feet of an edge may be pruned by a professional arborist or a Licensed Tree Expert in order to correct the potential problem. In the event the problem cannot be corrected by pruning, the tree may be removed. A tree is considered hazardous if there is a target area such as a house, garage, parking area, play area, etc. A 50 foot tall tree that is 75 feet from an edge and 120 feet from a target is not a hazardous tree. A hazardous tree must exhibit characteristics that would lead to the failure of one or more parts of the tree which would then impact the target area.
- If tree removals reduce the stocking levels below 65 square feet of basal area per acre the property owner shall replant trees in the disturbed area in order to return the stock levels to 65 square feet of basal area within five (5) years.
- Any proposed trial alignments shall be field adjusted to facilitate minimal damage to the root zones of the trees to be retained. The alignment of any proposed trails shall be approved by representatives of the M-NCPPC prior to the commencement of construction activities.
- Trees may be pruned in accordance with approved arboricultural standards. Pruning shall not be done in such a manner as to be injurious to the tree. The State of Maryland requires that pruning not done by the property owner shall be done by a Professional Arborists or a Licensed Tree Expert.
- Tilling the soils in the Forest Conservation Areas in order to seed with grasses is not permitted. However, the property owner may sow with shade tolerant grasses within 30 feet of an edge. The use of Kentucky 31 fescue is not acceptable.

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.
- 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 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 disturbance 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.
- All appropriate bonds will be posted with the Building Official prior to the issuance of any permits. These bonds will remain as surety by the Building Official until all required activities have been satisfied.

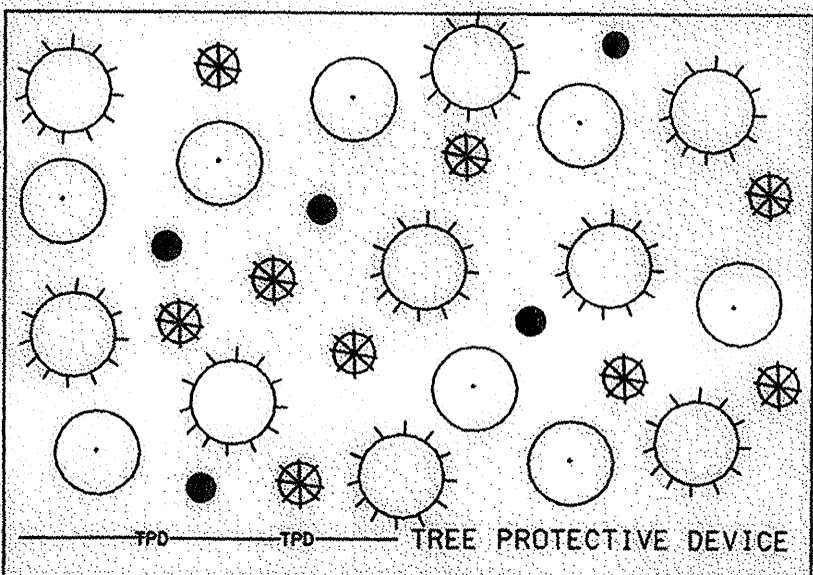
Figure J-4 Blaze Orange Plastic Mesh



Notes:
1. Forest protection device only.
2. Retention Area will be set as part of the review process.
3. Boundary of Retention Area should be checked and flagged prior to installing device.
4. Root damage should be avoided.
5. Protective device should be used.
6. Device should be maintained throughout construction.

SYMBOL: TSP

Source: Prince George's County, Maryland: Woodland Conservation Manual



AFFORESTATION / REFORESTATION TYPICAL DETAIL

LEGEND

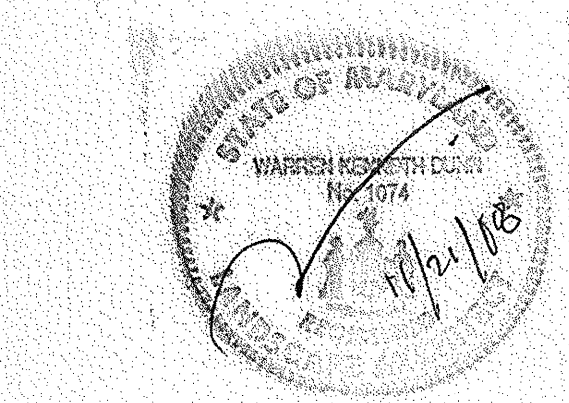
- | | | | |
|---|-----------|---|--------------|
| ○ | RED MAPLE | ⊗ | SWEET GUM |
| ● | DOGWOOD | ⊕ | TULIP POPLAR |
- TPD — TPD — TREE PROTECTIVE DEVICE

USE 750 seedlings per acre in each reforestation area.
The number of plants in the plant list indicate the mix per 1000 plants.

PLANT LIST/RATIO FOR SEEDLINGS

SPECIES	NUMBER/ACRE	TOTAL THIS PLAN
RED MAPLE	330	940
SWEET GUM	230	662
TULIP POPLAR	330	940
DOGWOOD	110	328
TOTAL	1000	2870

USE BARE ROOT WHIPS TO FULFILL PLANTING REQUIREMENTS



OWNER / DEVELOPER

PRINCE GEORGE'S COUNTY PUBLIC SCHOOLS
13300 OLD MARLBORO PIKE
UPPER MARLBORO, MARYLAND 20772
ATTENTION: MR. RUPERT MCAVE
PHONE 301-952-6593

DATE	DESCRIPTION
3-22-04	ADDENDUM
3-26-04	ADDENDUM
3-26-04	ADDENDUM
4-02-04	ADDENDUM
5-14-04	COMMENTS
11-27-07	ADDITION OF ELEMENTARY SCHOOL
10/30/08	ADDITION OF SEEDLING TRAP #1

SCALE: 1" = 100'
5 of 5
TREE CONSERVATION PLAN II
C-6
CONSTRUCTION SET
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