

	DET	THE CDA CL			RKSHEET	#2		
	BEI	HESDA-CH	IEVY CHA	SE MIDDL	E SCHOOL	_ #Z	5-Aug-02	
NET TRACT A	REA:						3-Aug-02	
A. Total tract	area						13.62	
	ation acres (pa		-				0.00 0.00	
C. Land dedication for roads or utilities (not being constructed by this plan)								
	nain in commer		ural produc	tion/use			0.00	
	ictions (specify)						0.00	
Net Tract A	rea					=	13.62	
AND USE CA	ATEGORY: (fror	n <i>Trees Ted</i>	hnical Mai	nual)				
	Input the num				d use,			
	limit to only o	ne entry.						
	ARA	MDR	IDA	HDR	MPD	CIA		
	0	0	1	0	0	0		
G. Afforestation	on Threshold				15%	xF=	2.04	
H. Conservation	on Threshold				20%	x F =	2.72	
EXISTING FOR	REST COVER:							
							3.55	
I. Existing forest cover  J. Area of forest above afforestation threshold=								
	est above allores est above conse						1.51 0.83	
N. Alea of lote	est above conse	ivation tines	siioiu				0.00	
BREAK EVEN	I POINT:							
	I POINT:	eshold with r	no mitigatio	on=			2.89	
L. Forest rete			\ <u></u>				2.89 0.66	
L. Forest rete M. Clearing pe	ntion above thre	mitigation	\ <u></u>					
L. Forest rete M. Clearing pe PROPOSED F	ntion above three ermitted without FOREST CLEAR	mitigation		=			0.66	
L. Forest rete M. Clearing pe PROPOSED F N. Total area	ntion above three	mitigation RING:		=			2.80	
L. Forest rete  M. Clearing po  PROPOSED F  N. Total area  O. Total area	ntion above three ermitted without FOREST CLEAR of forest to be c	RING:		=			2.80	
L. Forest rete M. Clearing po PROPOSED F N. Total area O. Total area PLANTING RE	ntion above three ermitted without FOREST CLEAR of forest to be of of forest to be re-	RING:		=			2.80 0.75	
Forest rete M. Clearing po PROPOSED F N. Total area D. Total area PLANTING RE	ntion above three ermitted without FOREST CLEAR of forest to be of of forest to be re-	RING: leared etained	ervation thre	eshold=				
Forest rete M. Clearing por PROPOSED F N. Total area D. Total area PLANTING RE P. Reforestati Q. Reforestati	ntion above three ermitted without FOREST CLEAR of forest to be of of forest to be re-	mitigation RING: leared etained above conse	ervation threervation three	eshold=	=10		0.66 2.80 0.75 0.21 3.95	
Forest rete M. Clearing por PROPOSED F N. Total area D. Total area PLANTING RE P. Reforestati Q. Reforestati R. Credit for re	ntion above three ermitted without FOREST CLEAR of forest to be conformation for clearing a confor clearing a conformation and conformation	RING: leared etained above consequelow consequences	ervation threervation three th	eshold=	=		0.66 2.80 0.75 0.21	
L. Forest rete M. Clearing por PROPOSED F N. Total area C. Total area PLANTING RE P. Reforestati Q. Reforestati R. Credit for re S. Total refore	ntion above three ermitted without ermit	RING: leared above consequelow consequences	ervation threervation three threshold	eshold=	=		0.66 2.80 0.75 0.21 3.95 0.00	
L. Forest rete M. Clearing por PROPOSED F N. Total area O. Total area PLANTING RE P. Reforestati Q. Reforestati R. Credit for re S. Total affore T. Total affore	ntion above three ermitted without ermitted above of the ermitted	etained	ervation threervation three threshold	eshold= eshold=	=		0.66 2.80 0.75 0.21 3.95 0.00 4.15	
M. Clearing per PROPOSED For the North Proposed For Total area PLANTING REPORT REPORT Total affore Total affore U. Credit for the Proposed For Total affore U. Credit for Total affore U. Credit for U. Cr	ntion above three ermitted without a conformation above to be conformation for clearing a conformation above constation required station required	etained  above consecution of the conservation of the conser	ervation threervation three threshold	eshold= eshold=== eshold=	=		0.66 2.80 0.75 0.21 3.95 0.00 4.15 0.00	

\*13.62 ACRES OF TOTAL TRACT AREA

\*\*4.09 ACRES OF REFORESTATION REQUIRED

0.16 ACRES OF REFORESTATION AREA ONSITE

3.93 ACRES OF REFORESTATION REQUIRED AND PROPOSED THROUGH OFFSITE MITIGATION (BANKING OR FEE-IN-LIEU)

0.91 ACRES OF CATEGORY I CONSERVATION EASEMENT IS PROPOSED ONSITE

# SITE TABULATIONS:

ACREAGE OF TRACT:	13.62
ACREAGE OF TRACT REMAINING IN AGRICULTURE:	0
ACREAGE OF ROAD AND UTILITY R/W WHICH WILL	
BE IMPROVED AS PART OF DEV. APPLICATION:	0
ACREAGE OF EX. FOREST:	3.55
ACREAGE OF TOTAL FOREST RETENTION:	0.77
ACREAGE OF TOTAL FOREST CLEARED:	2.78
LAND USE CATEGORY:	IDA
AFFORESTATION THRESHOLD	2.04
CONSERVATION THRESHOLD	2.72
ACREAGE OF FOREST RETAINED, CLEARED, AND	0.00/0.00/0.00
PLANTED WITHIN WETLANDS	
ACREAGE OF FOREST RETAINED, CLEARED, AND	0.00/0.00/0.00
PLANTED WITHIN 100-YEAR FLOODPLAIN	
ACREAGE OF FOREST RETAINED, CLEARED, AND	0.69/0.00/0.16
PLANTED WITHIN STREAM BUFFERS	
ACREAGE OF FOREST RETAINED, CLEARED, AND	
PLANTED WITH PRIORITY AREAS	0.69/0.00/0.16
LINEAR EXTENT & AVERAGE WIDTH OF STREAM BU	JFFER 0/125'

TOTAL DBH INCHES OF SPECIMEN TREES REMOVED (OUTSIDE FOREST) 204 X 0.25 = 51 REQUIRED CALIPER INCHES MITIGATION TOTAL CALIPER INCHES OF SPECIMEN TREE MITIGATION \*SPECIMEN TREE MITIGATION PLANT SCHEDULE WILL BE PROVIDED WITH FFCP

GENERAL FCP NOTES:

- ROOT PRUNE TRENCH IS NOT TO IMPACT UTILITIES.

- THE EXTENT OF ROOT PRUNING IS TO BE DETERMINED AT THE PRECONSTRUCTION MEETING.

- NO CLEARING IS TO TAKE PLACE OUTSIDE OF THE LIMITS OF DISTURBANCE.

- AREAS SHOWN TO BE CLEARED OUTSIDE OF THE LIMITS OF DISTURBANCE ARE FOR

CALCULATIONS ONLY.

SITE PLANTING NOTE:

- TREES AND SHRUBS TO BE PLANTED OUTSIDE OF L.O.D. ARE TO BE DUG WITH HAND EQUIPMENT ONLY. NO MACHINERY IS TO GO OUTSIDE OF L.O.D. PLANTS ARE TO BE INSTALLED AND STABILIZED SAME DAY.

		Significan	vəpecin	nen Tree S	uninary 24 +			
						Percent Rootzone		
īree	Species	Species	D.B.H	Tree	Impact Comments	Impacts	Status	Variance Request Fi
	(Scientific Name)	(Common Name)	(inches)	Condition				
	QUERCUS PHELLOS	WILLOW OAK	30	EXCELLENT		0	SAVE	NO
	QUERCUS PALUSTRIS	PIN OAK	45	FAIR	GRADING, UTILITY CONNECTION & PARKING LOT	35	REMOVE	YES
	PINUS STROBUS	WHITE PINE	47	GOOD		0	SAVE	NO
	LIRIODENDRON TULIPIFERA	YELLOW POPLAR	49	FAIR		0	SAVE	NO
	PRUNUS SEROTINA	BLACK CHERRY	27	FAIR		0	SAVE	N/A
	LIRIODENDRON TULIPIFERA	YELLOW POPLAR	49	GOOD		0	SAVE	NO NO
	ROBINIA PSEUDOA CACIA	BLACK LOCUST			REMOVE DUE TO POOR CONDITION, FLUSH CUT	0	REMOVE	YES
	ROBINIA PSEUDOACACIA	BLACK LOCUST	41		REMOVE DUE TO POOR CONDITION, FLUSH CUT	0	REMOVE	YES
	PINUS STROBUS	WHITE PINE	30	GOOD	REVIOVE DUE TO FOOR CONDITION, FEOSH COT	0	SAVE	NO
	PLATANUS OCCIDENTALIS	SYCAMORE	200 000	GOOD				
			27			0	SAVE	N/A
	PINUS STROBUS	WHITE PINE	30	GOOD		0	SAVE	NO
	PINUS STROBUS PINUS STROBUS	WHITE PINE WHITE PINE	33	FAIR		0	SAVE	NO
	The same of the sa	Proceedings of the first of the	29			0	SAVE	NO
	actions for all fertite productive desirations of an architecture laboration and	YELLOW POPLAR	31	GOOD		0	SAVE	NO
	A CER SA CCHA RINUM	SILVER MAPLE	28	GOOD		0	SAVE	N/A
	A CER SA CCHA RINUM	SILVER MAPLE		FAIR		0	SAVE	N/A
	PINUS STROBUS	WHITE PINE	41	GOOD		0	SAVE	NO
7		YELLOW POPLAR	52	POOR		0	SAVE	NO
	PINUS STROBUS	WHITE PINE	27	GOOD		0	SAVE	N/A
	PLATANUS OCCIDENTALIS	SYCAMORE	27	GOOD		0	SAVE	N/A
)	TA XODIUM DISTICHUM	BALD CYPRESS	25	GOOD		0	SAVE	N/A
1	TAXODIUM DISTICHUM	BALD CYPRESS	31	POOR		0	SAVE	NO
	PINUS STROBUS	WHITE PINE	34	GOOD		55		YES
e 100	A STATE OF THE STA	TOTAL STATE OF THE	The second		IMPACTS FOR UTIL ITIES AND DRIVE ENTRANCE	DATE SE	REMOVE	Total Control Control
	PINUS STROBUS	WHITE PINE	36	GOOD	IMPACTS FOR UTILITIES AND DRIVE ENTRANCE	100	REMOVE	YES
	PINUS STROBUS	WHITE PINE	35	GOOD	RETAINING WALLS BETWEEN DRIVES	100	REMOVE	YES
	PINUS STROBUS	WHITE PINE	29	GOOD	IN DRIVE AISLE	100	REMOVE	N/A
	PINUS STROBUS	WHITE PINE	37	FAIR	IN DRIVE AISLE	100	REMOVE	YES
7	PLATANUS OCCIDENTALIS	SYCAMORE	36	GOOD	IN DRIVE AISLE	100	REMOVE	YES
8	QUERCUS PALUSTRIS	PIN OAK	30	GOOD	IN BUILDING	100	REMOVE	YES
9	QUERCUS PALUSTRIS	PIN OAK	33	GOOD	IN BUILDING	100	REMOVE	YES
0	QUERCUS A CUTISSIMA	SAWTOOTH OAK	37	FAIR/POOR	IN BUILDING	100	REMOVE	YES
1	QUERCUS PALUSTRIS	PIN OAK	39	FAIR/POOR	IN BUILDING	100	REMOVE	YES
2	PLATANUS OCCIDENTALIS	SYCAMORE	32	POOR	IN BUILDING	100	REMOVE	YES
	PINUS STROBUS	WHITE PINE	31	GOOD	GRADING FOR BUILDING, WALK, DRIVE AISLE	100	REMOVE	YES
	PINUS STROBUS	WHITE PINE	31	GOOD	IN PROPOSED WALK ALONG DRIVE AISLE	100	REMOVE	YES
	PINUS STROBUS	WHITE PINE	27	GOOD	GRADING, STAIRS	100	REMOVE	N/A
	PINUS STROBUS	WHITE PINE	29	GOOD	IN DRIVE AISL AND RETAINING WALL	100		
						198 M24 1990	REMOVE	NO
	PINUS STROBUS	WHITE PINE	31	GOOD	IN RETAINING WALL BETWEEN DRIVE AISLES	100	REMOVE	YES
	PINUS STROBUS	WHITE PINE	33	GOOD	IN PARKING	100	REMOVE	YES
	PINUS STROBUS	WHITE PINE	26	GOOD	IN DRIVE A ISLE	100	REMOVE	N/A
Trans.	PINUS STROBUS	WHITE PINE	31	GOOD	GRADING FOR DRIVE AISLE	100	REMOVE	YES
	PLATANUS OCCIDENTALIS		30	FAIR	GRADING AND WALK FOR DRIVE	100	REMOVE	YES
2	PLATANUS OCCIDENTALIS	SYCAMORE	39	GOOD	GRADING A GAINST BUILDING	100	REMOVE	YES
3	PLATANUS OCCIDENTALIS	SYCAMORE	24	FAIR	GRADING AGAINST BUILDING	100	REMOVE	N/A
4	PLATANUS OCCIDENTALIS	SYCAMORE	26	GOOD	GRADING FOR DRIVE	66	REMOVE	N/A
5	PLATANUS OCCIDENTALIS	SYCAMORE	29	GOOD	GRADING FOR DRIVE/SAVE WITH REMOVAL POTENTIAL	29	SAVE	N/A
6	PLATANUS OCCIDENTALIS	SYCAMORE	32	GOOD	SIDEWALK CIRCULATION AND GRADING	100	REMOVE	YES
7	PLATANUS OCCIDENTALIS	SYCAMORE	36	GOOD	IN BUILDING	100	REMOVE	YES
8	PLATANUS OCCIDENTALIS	SYCAMORE	30	GOOD	IN BUILDING	100	REMOVE	YES
9	PLATANUS OCCIDENTALIS	SYCAMORE	33	GOOD	GRADING FOR BUIDLING AND SIDEWALK CIRCULATION	100	REMOVE	YES
						on 110000000		100 mmm.
0	PLATANUS OCCIDENTALIS	SYCAMORE	30	GOOD	SIDWALK CIRCULATION AND SOFT PATH THROUGH WOODS	74	REMOVE**	YES
1	LIRIODENDRON TULIPIFERA	YELLOW POPLAR	44	GOOD	GRADING AND STORMWATER MANAGEMENT	32	REMOVE**	YES
2	QUERCUS A CUTISSIMA	SAWTOOTH OAK	38	GOOD	GRADING AND STORMWATER MANAGEMENT	30	REMOVE**	YES
	PRUNUS SEROTINA	BLACK CHERRY	35,17	GOOD	GRADING, TENNIS COURT & SIDEWALK ALONG ROAD	59	REMOVE	YES
	A CER RUBRUM	RED MAPLE	27	FAIR	GRADING, TENNIS COURT & SIDEWALK ALONG ROAD	63	REMOVE	N/A
	QUERCUS A CUTISSIMA	SAWTOOTH OAK	40	GOOD	IN THE BALLFIELD AREA	100	REMOVE	YES
	ACER RUBRUM	RED MAPLE	36	GOOD		0	SAVE	NO
	QUERCUS PALUSTRIS	PIN OAK	24	GOOD		0	SAVE	N/A
			26	EXCELLENT		0	SAVE	N/A
	PLATANUS OCCIDENTALIS	The second secon	33	FAIR		8		YES
			201				SAVE	
	QUERCUS PALUSTRIS	PIN OAK	26	GOOD		0	SAVE	N/A
	ACER RUBRUM	RED MAPLE	30	GOOD	A OTHER BURN OF A ORGER SALE TO SEE THE SECOND SECO	0	SAVE	NO
	ACER SACCHARINUM	SILVER MAPLE	36	GOOD	ACTUAL IMPACTS ACROSS SAUL ROAD NOT LIKELY	8	SAVE	YES
	LIRIODENDRON TULIPIFERA	AND THE RESIDENCE OF THE PARTY	30	GOOD		0	SAVE	NO
	QUERCUS PALUSTRIS	PIN OAK	27	GOOD		2	SAVE	N/A
	QUERCUS ALBA	WHITE OAK	30	GOOD		0	SAVE	NO
	LIRIODENDRON TULIPIFERA	YELLOW POPLAR	30	GOOD		0	SAVE	NO
7	ROBINIA PSEUDOACACIA	BLACK LOCUST	24	POOR	POOR CONDITION WITH WALK AND GRADING IMPACTS	34	REMOVE	N/A
3	LIRIODENDRON TULIPIFERA	YELLOW POPLAR	25	FAIR	GRADING FOR DRIVE AISLE	100	REMOVE	N/A
)	QUERCUS PALUSTRIS	PIN OAK	24	GOOD	INSTALLATION OF NEW DRIVEWAY ALONG SAUL	50	REMOVE	N/A
	PINUS VIRGINIANA	VIRGINIA PINE	23.3	GOOD	SIDEWALK, ENTRANCE DRIVE AND GRADING	100	REMOVE	YES
	PINUS STROBUS	WHITE PINE	26	GOOD	REGENERATIVE OUTFALL INSTALLATION	10	SAVE	N/A
	PINUS STROBUS	WHITE PINE	24	GOOD	IN DRIVE A ISLE/PARKING	100	REMOVE	N/A
-	QUERCUS PALUSTRIS	PIN OAK	30	FAIR	IN BUILDING	100		YES
1	AND IT INC. TO SECOND STREET	I III VAIN	00	1 AUIX	III DOLDING	100	REMOVE	ILO
	12 - 11 - 1 - 11 11 1 - 1 - 11 1 1 - 1	BLACK LOCUST	27	GOOD		n	SAVE	
1	ROBINIA PSEUDOACACIA PRUNUS SEROTINA	BLACK LOCUST BLACK CHERRY	27 24	GOOD FAIR		0	SAVE SAVE	N/A

\* BOLD TYPE DENOTES SPECIMEN TREES

\*\*TREES ARE TO TRY TO BE SAVED DURING CONSTRUCTION BUT IMPACTS ARE SUBSTANTIAL TO LIST AS REMOVAL

## Sequence of Events for Property Owners Required to Comply With Forest Conservation and/or Tree-Save Plans

### Pre-Construction

1. An on-site pre-construction meeting is required after the limits of disturbance have been staked and flagged, but before any clearing or grading begins. The property owner should contact the Montgomery County Planning Department inspection staff before construction to verify the limits of disturbance and discuss tree protection and tree care measures. The developer's representative, construction superintendent, ISA certified arborist or Maryland-licensed tree expert that will implement the tree protection measures, forest conservation inspector, and Department of Permitting Services (DPS) sediment control inspector should attend this pre-construction meeting.

2. No clearing or grading shall begin before stress reduction measures have been implemented. Appropriate measures may include, but are not limited to: Root pruning

b. Crown reduction or pruning c. Watering

d. Fertilizing e. Vertical mulching f. Root aeration matting

Measures not specified on the forest conservation plan may be required as determined by the forest conservation inspector in coordination with the arborist.

3. A Maryland-licensed tree expert or an International Society of Arboriculture- certified arborist must perform all stress reduction measures. Documentation of stress reduction measures must be either observed by the forest conservation inspector or sent to the inspector at 8787 Georgia Avenue, Silver Spring, MD 20910. The forest conservation inspector will determine the exact method to convey the stress reductions measures during the pre-construction meeting.

4. Temporary tree protection devices shall be installed per the Forest Conservation Plan/Tree Save Plan and prior to any construction activities. Tree protection fencing locations should be staked prior to the pre-construction meeting. The forest conservation inspector, in coordination with the DPS sediment control inspector, may make field adjustments to increase the survivability of trees and forest shown as saved on the approved plan. Temporary tree protect devices may include: a. Chain link fence (four feet high)

b. Super silt fence with wire strung between support poles (minimum 4 feet high) with high visibility flagging, c. 14 gauge 2 inch x 4 inch welded wire fencing supported by steel T-bar posts (minimum 4 feet high) with high

5. Temporary protection devices shall be maintained and installed by the contractor for the duration of construction project and must not be altered without prior approval from the forest conservation inspector. No equipment, trucks, materials, or debris may be stored within the tree protection fence areas during the entire construction project. No vehicle or equipment access to the fenced area will be permitted. Tree protection shall not be removed without prior approval of forest conservation

6. Forest retention area signs shall be installed as required by the forest conservation inspector, or as shown on the approved

7. Long-term protection devices will be installed per the Forest Conservation Plan/Tree Save Plan and attached details. Installation will occur at the appropriate time during the construction project. Refer to the plan drawing for long-term protection measures to be installed. During Construction

8. Periodic inspections by the forest conservation inspector will occur during the construction project. Corrections and repairs to all tree protection devices, as determined by the forest conservation inspector, must be made within the timeframe established by the inspector.

3. After construction is completed, an inspection shall be requested. Corrective measures may include: a. Removal and replacement of dead and dying trees b. Pruning of dead or debining limbs

c. Soil aeration c. Fert lization

e. Watering

f. Wound repair g. Clean up of retention areas

10. After inspection and completion of corrective measures have been undertaken, all temporary protection devices shall be removed from the site. Removal of tree protection devices that also operate for erosion and sediment control must be coordinated with both the Department of Permitting Services and the forest conservation inspector. No additional grading, sodding, or burial may take place after the tree protection fencing is removed.

## INSPECTIONS

All field inspections must be requested by the applicant. Inspections must be conducted as

## <u>Tree Save Plans and Forest Conservation Plans without Planting Requirements</u>

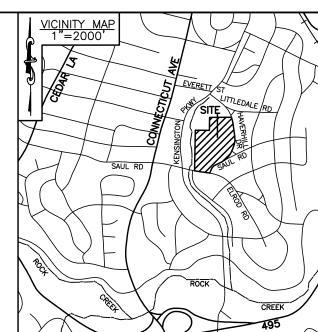
1. After the limits of disturbance have been staked and flagged, but before any clearing or grading begins

2. After necessary stress reduction measures have been completed and protection measures have been installed, but before any clearing and grading begin. 3. After completion of all construction activities, but before removal of tree protection fencing, to determine the level of compliance with the provision of the forest

# **Additional Requirements for Plans with Planting Requirements**

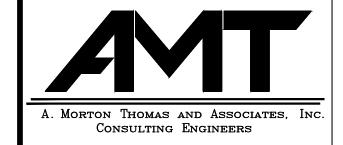
4. Before the start of any required reforestation and afforestation planting 5. After the required reforestation and afforestation planting has been completed to verify

that the planting is acceptable and prior to the start the maintenance period. 6. At the end of the maintenance period to determine the level of compliance with the provisions of the planting plan, and if appropriate, release of the performance bond.





10521 Rosehaven Street, Suite 200 Fairfax, VA 22030 Phone 703-691-3311



CHEVY CHASE MIDDLE

CONSTRUCTION DOCUMENTS 95% SUBMISSION

PRELIMINARY **FOREST** CONSERVATION

Issue Date: 9/1/2014 Sheet Number:

L-1.2

PLAN

Project Number: 113-455.001 Drawn By: JAC

CERTIFICATION OF QUALIFIED PROFESSIONAL I HEREBY CERTIFY THAT THE PLAN SHOWN HEREON HAS BEEN PREPARED IN ACCORDANCE WITH MARYLAND STATE, MNCP&PC AND MONTGOMERY COUNTY FOREST CONSERVATION LAWS.

> MICHAEL A. NORTON MDNR / COMAR 08.19.06.01 QUALIFIED PROFESSIONAL ISA CERTIFIED ARBORIST: MA-4724A LTE NUMBER: 1756

NORTON LAND DESIGN LANDSCAPE ARCHITECTURE + ENVIRONMENTAL PLANNING 17830 NEW HAMPSHIRE AVENUE, SUITE 101 ASHTON, MD 20861 WWW.NORTONLANDDESIGN.COM Checked By: WJP P.240.342.2329 F.240.342.2632

#### PROPOSED REFORESTATION/FOREST PLANTING PLANT MATERIALS larea 'a'larea ' SIZE |= 0.11 |= 0.05 TOTAL COMMON NAME UNIT/ROOT | SPACING FORM BOTANICAL NAME ACRES ACRES RANDOMLY RED MAPLE 2" CALIPER TREE ACER RUBRUM 20.9' O.C. RANDOMLY **TREE** QUERCUS RUBRA RED OAK 2" CALIPER 20.9' O.C RANDOMLY TREE LIRIODENDRON TULIPIFERA TULIP POPLAR 2" CALIPER 20.9' O.C RANDOMLY TREE 2" CALIPER NYSSA SYLVATICA BLACK GUM 20.9' O.C. RANDOMLY TREE 2" CALIPER QUERCUS PRINUS CHESTNUT OAK 20.9' O.C SHRUB/ RANDOMLY 3'-4' HEIGHT HAMMAMELIS VIRGINIANA WITCH HAZEL I CONT. 33' O.C. RANDOMLY SHRUB CONT. 2'-3' HEIGHT ITEA VIRGINICA VIRGINIA SWEETSPIRE 33' O.C. RANDOMLY 3'-4' HEIGHT | CONT. AMELANCHIER CANADENSIS **SERVICEBERRY** 33' O.C. TREE 80 LBS. SEED 10 lbs. 10 lbs. 20 lbs. 8 LBS. PER SEED 4 lbs. 8 lbs. 10,000 SF

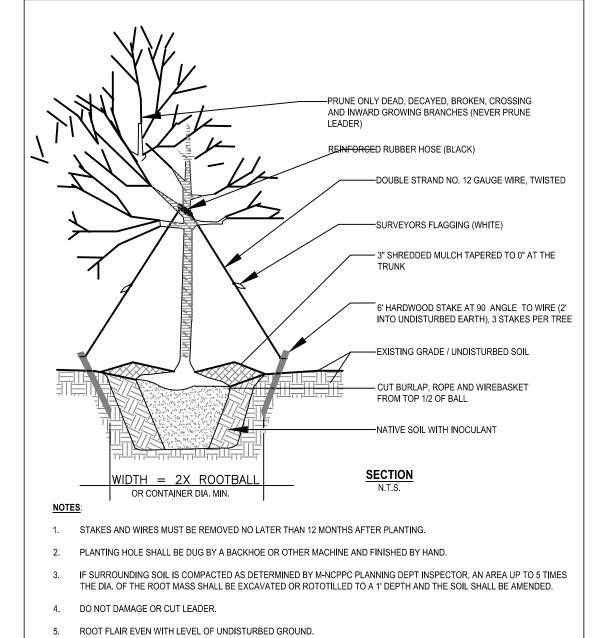
- A MINIMUM OF 100% SURVIVAL AFTER 2 YEARS OF GROWING SEASON IS REQUIRED FOR ALL REFORESTATION AREAS SHOWN.

- TREES ARE TO BE PROTECTED WITH INDIVIDUAL TREES SHELTERS PER DETAIL ON THIS SHEET OR APPROVED EQUAL

- STABILIZE DISTURBED OR BARE AREAS WITH NATIVE UPLAND MIX INDICATED AND COMPANION SEED MIX.

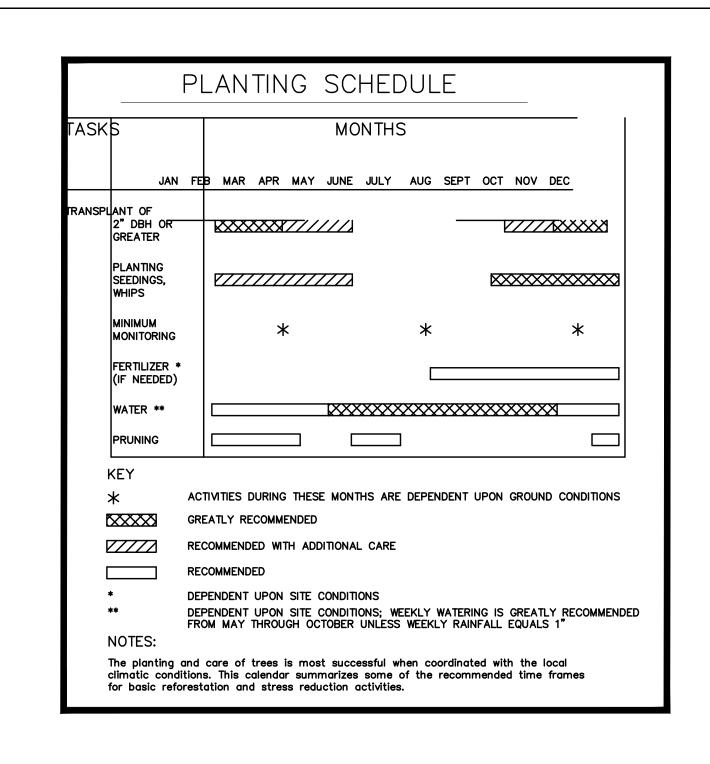
PRUNE ONLY DEAD, DECAYED, BROKEN CROSSING, AND INWARD GROWING BRANCHES -ROOT COLLAR LEVEL WITH FINISHED GRADE CREATE 3" SAUCER ON OUTSIDE EDGE OF PIT 3" SHREDDED MULCH, TAPERED TO 0" AT THE TRUNK GENTLY COMPACTED NATIVE SOIL -----UNDISTURBED SOIL <u> WIDTH = 2X ROOTBALL</u> OR CONTAINER DIA. MIN. 1. REMOVE ALL POTS AND WIRE AND CUT CONTAINER CLEANLY WAY FROM ROOTS. 2. REMOVE BURLAP FROM TOP HALF OF ROOT BALL. 3. CONTAINER PLANTINGS MAKE 4 TO 5 VERTICAL CUTS TO THE ROOT BALL BEFORE SETTING IN PLACE. 4. PRUNE ALL DAMAGED, DISEASED, OR WEAK LIMBS AND ROOTS. 5. CLEANLY PRUNE ALL DAMAGED ROOT ENDS TEASE ROOTS OF CONTAINER GROWN STOCK. 6. DO NOT ALLOW ROOTS TO DRY OUT DURING INSTALLLATION PROCESS. 7. DEEP WATER AFTER PLANTING. LANDSCAPE SHRUB

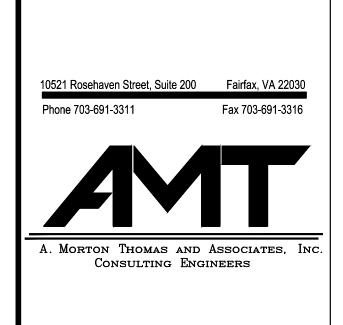
ne Marvland-National Capital Park and Planning Commission



**DECIDUOUS PLANTS - (2" Caliper or Larger)** 

The Maryland-National Capital Park and Planning Commission





ERADICATION AND CONTROL OF COMPETING VEGETATION

IN REFORESTATION/LANDSCAPING AREA

- 1. ERADICATION EFFORTS ARE AIMED AT THE REMOVAL OF INVASIVE, EXOTIC SPECIES (TARGET SPECIES) WHICH DISPLACE OR PREVENT THE ESTABLISHMENT OF NATIVE FORESTS. ON THIS SITE, ERADICATION EFFORTS ARE FOCUSED PRIMARILY UPON BAMBOO, BUSH HONEYSUCKLE (LONICERA TARTARICA) AND WINTER CREEPER (EUONYMUS FORTUNEI). OTHER LISTED SPECIES SHALL ALSO BE CONTROLLED.
- 2. ERADICATION EFFORTS SHALL INCLUDE THE INITIAL REMOVAL OR TREATMENT OF THE TARGET SPECIES AND THE MAINTENANCE REQUIRED TO CONTROL REGROWTH IMPLEMENTATION AND CHOICE OF TREATMENT AND METHOD SHALL BE SUCH THAT NEITHER THE INVASIVE SPECIES NOR THE METHOD OF CONTROL ADVERSELY AFFECTS THE ESTABLISHMENT AND SURVIVAL OF NATIVE SPECIES. THE TARGET SPECIES ARE PERSISTENT AND TOTAL ERADICATION MAY NOT BE PRACTICAL OR REQUIRED. THE GOAL IS TO SUPPRESS THE TARGET SPECIES TO ALLOW THE NATIVE SPECIES TO FORM A DENSE CANOPY. THE ADDITIONAL SHADE WILL THEN MANAGE THE REGROWTH OF THE TARGET SPECIES. QUESTIONS REGARDING THE APPROPRIATENESS, OR EXTENT OF CONTROL, WILL BE AT THE DISCRETION OF THE FREDERICK COUNTY DEPARTMENT OF PUBLIC WORKS INSPECTOR; HOWEVER, A MINIMUM OF FOUR (4) APPLICATIONS OR TREATMENTS SHALL BE MADE DURING THE 2 YEAR PERIOD.
- 3. ERADICATION AND CONTROL EFFORTS WITHIN THE PROPOSED PROPERTY SHALL TAKE PLACE IN ALL FORESTATION AREAS, TREE SAVE AREAS AND ALL FOREST RETENTION AREAS (SAVED FOREST AREAS). ERADICATION AND CONTROL EFFORTS SHALL ALSO TAKE PLACE IN THE EXISTING FOREST AREAS RETAINED ON THE NEWLY CREATED PROPERTY TO SATISFY THE FRO REQUIREMENTS. AS NOTED ON THIS SHEET, ALL OF THE RETAINED EXISTING FOREST TYPE IS INCLUDED IN THE ERADICATION AREA DUE TO THE PRESENCE OF TARGET SPECIES THROUGHOUT THIS YOUNG STAND.
- 4. ERADICATION EFFORTS SHALL BEGIN IN FOREST RETENTION AND TREE SAVE AREAS. INITIAL REMOVAL AND TREATMENT OF THE TARGET SPECIES MUST OCCUR PRIOR TO PLANTING FORESTATION AREAS.
- 5. TARGET VEGETATION WITHIN THE ERADICATION AREA SHALL BE CLEARLY FLAGGED BY THE LANDSCAPE CONTRACTOR, AND APPROVED BY MNCPPC INSPECTOR, WITH SURVEYOR'S RIBBON, OR OTHERWISE IDENTIFIED, SO AS TO PREVENT REMOVAL OF DESIRABLE SPECIES ALONG WITH THE TARGET
- 6. ERADICATION AND CONTROL OF THE TARGET SPECIES SHALL BE BY MECHANICAL MEANS ONLY. MECHANICAL CONTROLS INCLUDE MOWING OR CHOPPING AT OR NEAR THE GROUND LEVEL, OR THE REMOVAL OF THE PLANT BY DIGGING, OR PULLING. MOWING OR CHOPPING WILL LIKELY RESULT IN REGROWTH FROM STUMP OR ROOT SPROUTS WHICH MUST ALSO BE TREATED. REMOVAL OF THE ROOTS BY SOME MEANS OF EXCAVATION WILL DISTURB THE SOIL AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AND ARE THE RESPONSIBILITY OF THE CONTRACTOR. HOLES CREATED BY THE REMOVAL OF ROOTS ARE TO BE FILLED WITH TOPSOIL. ALL BARE GROUND AREAS RESULTING FROM MECHANICAL CONTROL METHODS ARE TO BE IMMEDIATELY STABILIZED. DISTURBED AREAS WITH SUFFICIENT LIGHT SHALL BE SEEDED PER THE IMPROVEMENT PLAN SPECIFICATIONS. DENSELY SHADED AREAS SHALL BE MULCHED WITH 2" OF SHADED HARDWOOD MULCH OR WOOD CHIPS. THE USE OF HEAVY EQUIPMENT WITHIN NON WETLAND. FLOODPLAIN AREAS IS PROHIBITED UNLESS THE SOIL IS DRY ENOUGH FOR THE EQUIPMENT TO BE SUPPORTED WITHOUT EXCESSIVE DAMAGE TO THE SOIL OR DESIRABLE GROUND COVER PLANTS. HEAVY EQUIPMENT IS NOT ALLOWED IN WETLANDS OR STREAMS.
- 7. CHEMICAL CONTROLS ARE NOT TO BE UTILIZED ANYWHERE ON SITE. ONLY MECHANICAL MEANS SHALL BE USED TO CONTROL COMPETING VEGITATION.
- BRUSH, ROOT MATS, AND DEBRIS RESULTING FROM MECHANICAL CONTROLS ARE TO BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.
- 9. RECOMMENDED TREATMENTS ARE EXTRACTED FROM THE FOLLOWING FOREST SERVICE INFORMATION PUBLICATIONS BY PHILIP D. PANNILL. REGIONAL WATERSHED FORESTER, WESTERN REGION, MARYLAND DNR-FOREST SERVICE, 1260 MARYLAND AVENUE, HAGERSTOWN, MD 21740, PHONE (301)791-4010: "PROBLEM WEED SPECIES FOR FORESTRY IN MARYLAND" "AILANTHUS ALTISSA-CONTROLLING TREE OF HEAVEN" "CONTROL OF AILANTHUS IN FOREST MANAGEMENT"
  - CONTRACTOR SHALL CONSULT THESE PUBLICATIONS FOR RECOMMENDED OPTIONS. \* JAPANESE HONEYSUCKLE:MANUALLY CUT OR PULL VINES. \* MULTIFLORA ROSE: REPEATED MOWING OR CUTTING.
- \* TREE OF HEAVEN: INITIAL CUTTING OF TREES FOLLOWED BY FREQUENT CUTTING AND MOWING OF SPROUTS THAT CANNOT BE PULLED. 10. THE CONTRACTOR IS TO CHOOSE THE APPROPRIATE CONTROL MEASURES TO
- MATCH BOTH LOCAL CONDITIONS AND AVAILABLE SKILLED LABOR SO AS TO MINIMIZE IMPACTS TO THE ENVIRONMENT. 11. FOLLOWING INITIAL TREATMENT, THE ERADICATION AREAS SHALL BE
- MONITORED/INSPECTED AND RE-GROWTH/RE-INFESTATION SHALL BE TREATED AT LEAST TWO (2) ADDITIONAL TIMES PER YEAR DURING THE 2-YEAR MAINTENANCE PERIOD. RE-GROWTH AND RE-INFESTAION SHALL BE TREATED AS INDICATED. MONITORING AND MAINTENANCE ACTIVITIES SHALL BE DOCUMENTED BY MCPS FOR REVIEW BY MNCPPC AS REQUIRED. ANNUAL INSPECTIONS SHALL OCCUR DURING THE GROWING SEASON AFTER THE 2-YEAR MAINTENANCE PERIOD. LONG TERM CONTROL OF INVASIVE, EXOTIC SPECIES SHALL BE PER THE EXECUTED FOREST CONSERVATION MAINTENANCE AND MANAGEMENT AGREEMENT FOR PROJECT.

# SITE PLANTING & REFORESTATION GENERAL NOTES

1. DRAWINGS ARE FOR TREE CONSERVATION AND REFORESTATION PURPOSES ONLY. AS-BUILT CONDITIONS MAY VARY. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND UTILITY LOCATIONS SHOWN AND DESCRIBED ON THE DRAWINGS, AND SHALL INFORM NORTON LAND DESIGN, TEL NO. 240-342-2329 OF ANY DISCREPANCIES OR POTENTIAL PROBLEMS PRIOR TO COMMENCING

2. IN REFORESTATION AREAS ALL BRANCHED DECIDUOUS TREES SHALL BE PLANTED WITH RANDOM SPACING 20.9' ON CENTER. SHRUBS AND CONTAINER GROWN EVERGREENS NOT IN PLANTING BEDS SHALL BE PLANTED IN RANDOM SPACING 33.0' ON CENTER.

3. DO NOT PLANT TREES OR SHRUBS WITHIN 3'-0" OF THE CENTERLINE OF

4. "MISS UTILITY" (1-800-257-7777) MUST BE CONTACTED A MINIMUM OF 48 HOURS PRIOR TO PROCEEDING WITH ANY EXCAVATION FOR PLANT MATERIAL INSTALLATION.

5. NO PLANT MATERIAL SHALL BE PLANTED DIRECTLY IN FRONT OF ROADWAY SIGN SIGHT LINES.

6. PLANT MATERIALS AND PLANTING MEASURES SHALL CONFORM WITH THE "LANDSCAPE SPECIFICATION GUIDELINES FOR THE BALTIMORE-WASHINGTON METROPOLITAN AREAS", LATEST EDITION.

7. ALL PLANTS SHALL BE WATERED FOR A TWO YEAR PERIOD AS REQUIRED.

THE CONTRACTOR SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO COMPLETE THE WATERING AS REQUIRED. 8. THE FOLLOWING LIST OF PLANTS SHALL BE PLANTED ONLY DURING THE SPRING PLANTING SEASON: ACER RUBRUM AND QUERCUS SPP. (ALL OAK

SPECIES).

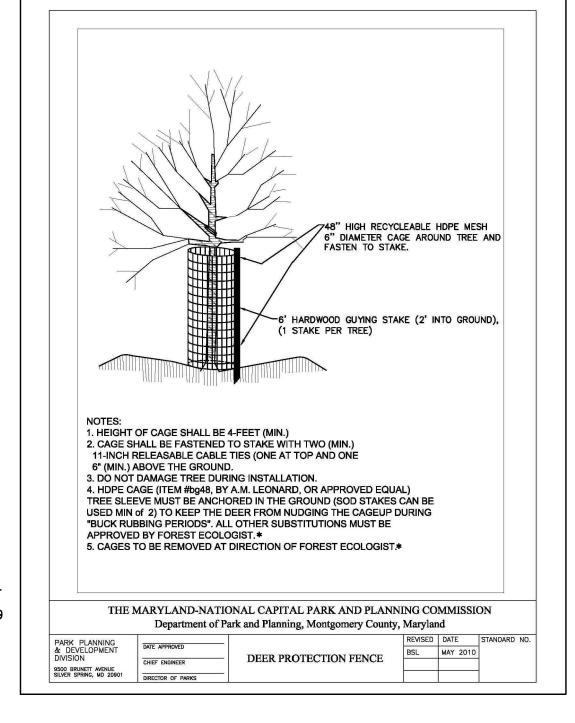
9. ALL EXISTING TRASH AND IMPERVIOUS AREAS SHOWN ON THE PLAN TO BE REMOVED MUST BE REMOVED AND ANY DISTURBED SOIL MUST BE STABILIZED AND SEEDED. IT MAY BE NECESSARY TO SCARIFY AND/OR AERATE THE SOIL 10. PLANTS SHALL BE INSPECTED BY THE CONTRACTOR AND ANY MATERIAL THAT IS EITHER DAMAGED OR WHICH HAS ROOT BALL COMPACTION, J-ROOTED OR KINKED ROOT SYSTEMS WILL BE REPLACED. NO PLANTS WILL BE STORED

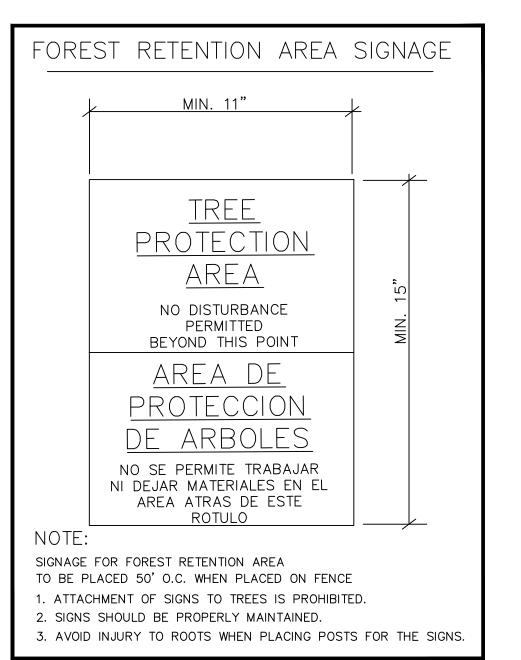
ON SITE. PLANTS WILL BE PLANTED IMMEDIATELY ONCE RECEIVED FROM THE

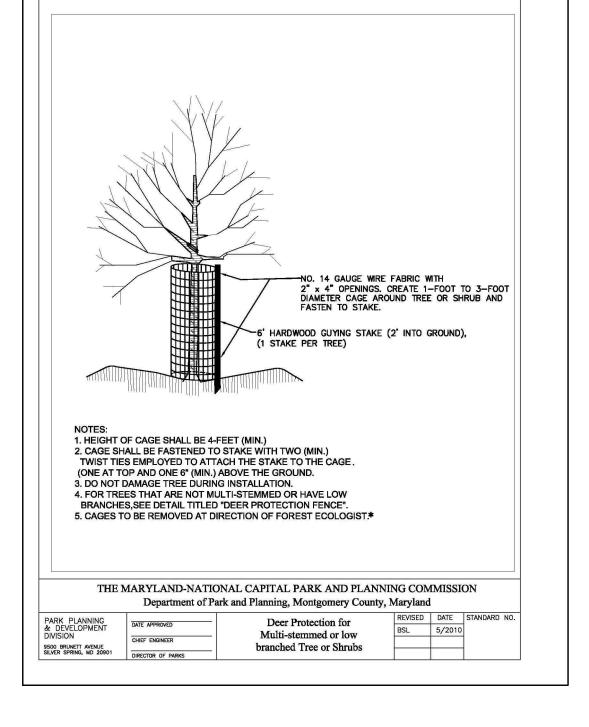
11. STOCK WILL BE PLANTED IN RANDOM ORDER TO REFLECT NATURAL GROWTH OF THE FOREST.

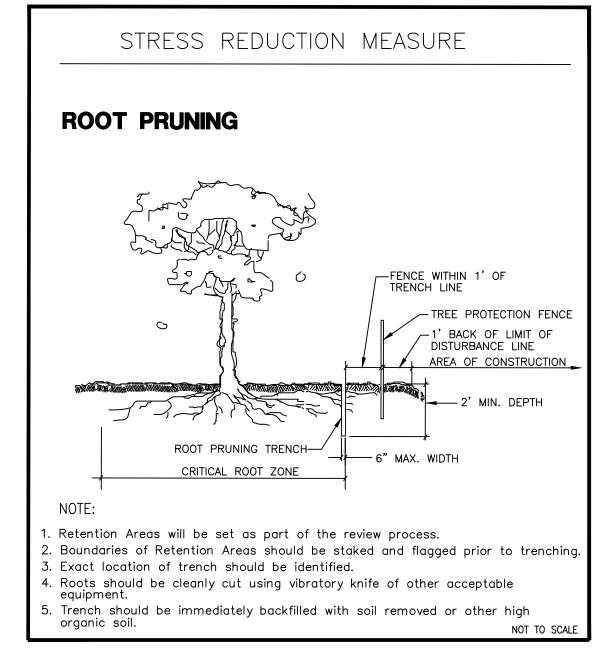
12. PLANTING FIELD SHOULD BE 2X ROOT BALL DIAMETER. NATIVE SOIL MATERIAL WILL BE USED TO BACKFILL PLANT SITE AND AREA WILL BE PACKED TO REMOVE AIR POCKETS. RAKE SOIL EVENLY OVER THE PLANTING FIELD AND COVER HOLE WITH THREE INCHES OF MULCH. WATER TO SETTLE SOIL AND PROVIDE MOISTURE AS NEEDED.

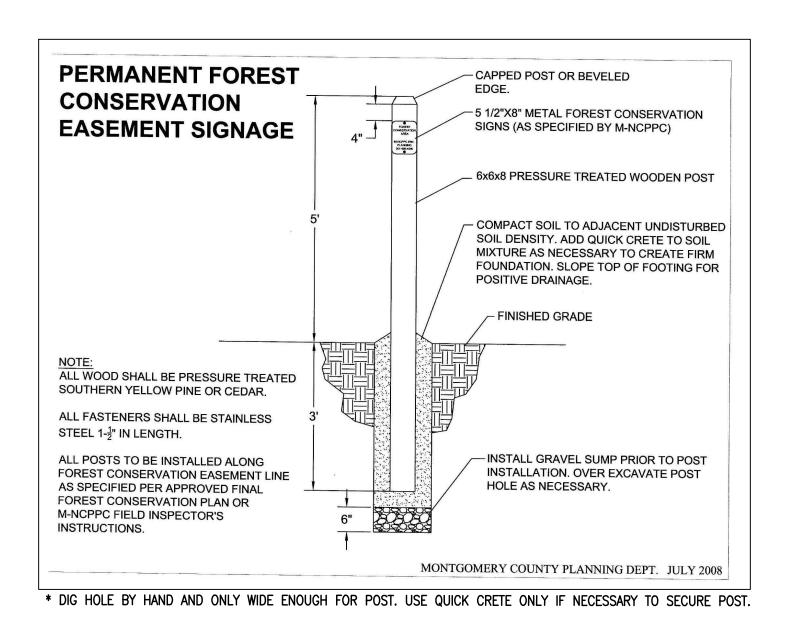
13. DEER PROTECTION MEASURES TO BE PROVIDED FOR ALL PLANTED TREES. SPECIFIC MEASURES TO BE DETERMINED AS PART OF THE PRE-PLANTING

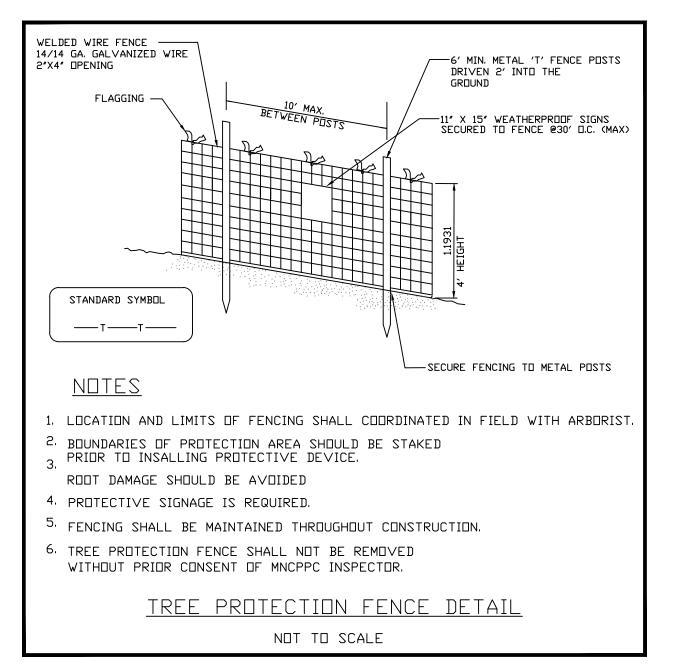












BETHESDA-CHEVY CHASE **MIDDLE** SCHOOL #2

CONSTRUCTION **DOCUMENTS 95%** SUBMISSION

Montgomery County Public Schools

Montgomery County

CERTIFICATION OF QUALIFIED PROFESSIONAL I HEREBY CERTIFY THAT THE PLAN SHOWN HEREON HAS BEEN PREPARED IN ACCORDANCE

WITH MARYLAND STATE, MNCP&PC AND MONTGOMERY COUNTY FOREST CONSERVATION LAWS.

MICHAEL A. NORTON MDNR / COMAR 08.19.06.01 QUALIFIED PROFESSIONAL ISA CERTIFIED ARBORIST: MA-4724A

LTE NUMBER: 1756

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**PRELIMINARY FOREST** CONSERVATION

PLAN

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