

F-08-143

2. PLANTS, RELATED MATERIAL, AND OPERATIONS SHALL MEET THE DETAILED DESCRIPTION AS GIVEN ON THE PLANS AND AS DESCRIBED HEREIN.

3. PLANT MATERIAL, UNLESS OTHERWISE SPECIFIED, SHALL BE NURSERY GROWN, UNIFORMLY BRANCHED AND HAVE A VIGOROUS ROOT SYSTEM. PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS PLANTS FREE FROM DEFECTS, DECAY, DISFIGURING ROOTS, SUNSCALD INJURIES, ABRASIONS OF THE BARK, PLANT DISEASE, INSECT PEST EGGS, BOXERS, INFESTATIONS OR OBJECTIONABLE DISFIGUREMENTS. PLANT MATERIAL THAT IS WEAK OR WHICH HAS BEEN CUT BACK FROM LARGER GRADES TO MEET SPECIFIED REQUIREMENTS WILL BE REJECTED. TREES WITH FORKED LEADERS WILL NOT BE ACCEPTED. PLANTS SHALL BE FRESHLY DUG; NO HEELED—IN PLANTS OR PLANTS FROM COLD STORAGE WILL BE ACCEPTED.

4. UNLESS OTHERWISE SPECIFIED, PLANT MATERIAL SHALL CONFORM TO "AMERICAN STANDARD FOR NURSERY STOCK" ANSI Z60.1-1990, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INCLUDING ALL ADDENDA.

5. UNLESS OTHERWISE SPECIFIED, GENERAL CONDITIONS, PLANTING OPERATIONS, DETAILS AND PLANTING SPECIFICATIONS SHALL CONFORM TO "LANDSCAPE SPECIFICATION GUIDELINES", (HEREINAFTER "LANDSCAPE GUIDELINES") APPROVED BY THE LANDSCAPE CONTRACTORS ASSOCIATION OF METROPOLITAN WASHINGTON AND THE POTOMAC CHAPTER OF THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS, LATEST EDITION, INCLUDING ALL

6. CONTRACTOR SHALL BE REQUIRED TO GUARANTEE PLANT MATERIAL FOR A PERIOD OF TWO YEARS IN ACCORDANCE WITH THE LANDSCAPE GUIDELINES. CONTRACTOR'S ATTENTION IS DIRECTED TO THE MAINTENANCE REQUIREMENTS FOUND WITHIN THE SPECIFICATIONS INCLUDING WATERING AND REPLACEMENT OF SPECIFIED PLANT MATERIAL.

7. PLANTING BEDS SHALL BE MULCHED AS SPECIFIED TO THE LIMITS OF THE PLANTING BEDS AS SHOWN ON THE PLAN AND TO THE DEPTH AS SHOWN ON THE DETAILS.

8. PROTECTION OF EXISTING VEGETATION TO REMAIN SHALL BE ACCOMPLISHED BY THE TEMPORARY INSTALLATION OF 4 HIGH SNOW FENCE, LOCATIONS SHOWN ORANGE PLASTIC MESH OR OTHER APPROVED FENCING, IN LOCATIONS SHOWN ON THE PLAN, AT THE DRIP LINE.

9. CONTRACTOR IS RESPONSIBLE FOR INSTALLING PLANT MATERIAL IN THE PROPER PLANTING SEASON FOR EACH PLANT TYPE.

10. PLANTING MIX SHALL BE AS FOLLOWS: DECIDUOUS PLANTS — TWO PARTS TOPSOIL, ONE PART WELL—ROTTED COW MANURE. ADD 3 LBS. OF STANDARD FERTILIZER PER CUBIC YARD OF PLANTING MIX. EVERGREEN PLANTS — TWO PARTS TOPSOIL, ONE PART HUMUS OR OTHER APPROVED ORGANIC MATERIAL, ADD 3 LBS. OF EVERGREEN (ACIDIC) FERTILIZER PER CUBIC YARD OF PLANTING MIX. TOPSOIL SHALL CONFORM TO THE LANDSCAPE GUIDELINES.

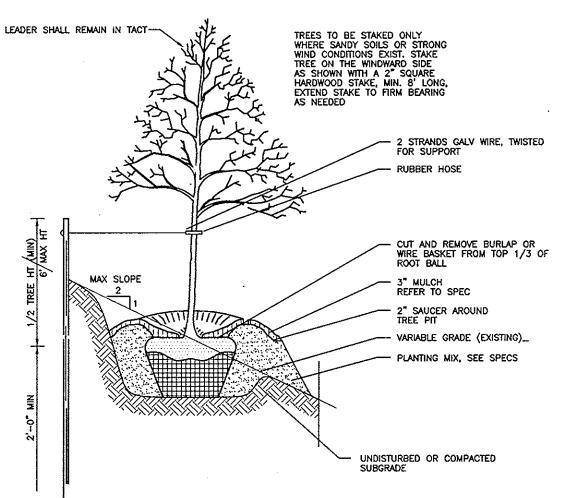
11. THIS PLAN IS INTENDED FOR LANDSCAPE USE ONLY. SEE OTHER PLAN SHEETS FOR MORE INFORMATION ON GRADING, SEDIMENT CONTROL, UTILITIES, LAYOUT, ETC.

PERIMETER PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	SPACING	SIZE	REMARKS	QUANTITY
AR	J ACER RUBRUM RED SUNSET'	RED SUNSET RED MAPLE	AS SHOWN	2.5"3" CAL.	B&B	2

SCHEDULE A: PERIMETER LANDSCAPED EDGE

CATEGORY	ADJACENT TO ROADWAY	ADJ. TO PERIMETER PROPERTIES	TOTAL
LANDSCAPE TYPE	PERIMETER 1- N/A	PERIMETER 2- TYPE A	
LINEAR FEET OF PERIMETER	436.42 LF	328.84 LF	
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	NO	YES, 200 LF (128.84 LF REMAINING)	
CREDIT FOR WALL, FENCE, OR BERM (YES, NO, LINEAR FEET)	NO	NO	
NUMBER OF PLANTS REQUIRED SHADE TREES EVERGREEN TREES SHRUBS	O SHADE TREES O EVERGREEN TREES O SHRUBS	2 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS	2 SHADE TREES 0 EVERGREEN TREES 0 SHRUBS
NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTION) SHRUBS (10:1 SUBSTITUTION)	O SHADE TREES O EVERGREEN TREES O SUBSTITUTION TREES O SHRUBS	2 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS	2 SHADE TREES 0 EVERGREEN TREES 0 SUBSTITUTION TREES 0 SHRUBS



TREE PLANTING AND STAKING ON SLOPE DECIDUOUS AND EVERGREEN TREES

SPECIMEN TREE LIST

NO.	DBH	SCIENTIFIC NAME	COMMON NAME	HEIGHT (FT.)	CONDITION
T-1	32.0	LIRIODENDRON TULIPIFERA	TULIP POPLAR	86	FAIR/POOR (TRUNK DAMAGE)
T2	30.0	PINUS STROBUS	EASTERN WHITE PINE	70	GOOD/FAIR (DEAD BRANCHES)
T3	45.1	ACER SACCHARINUM	SILVER MAPLE	45	GOOD/FAIR (INCLUDED BARK)
T-4	41.1	ACER SACCHARINUM	SILVER MAPLE	46	FAIR (MULT-TRUNK/DECAY)
T-5	33.0	ACER SACCHARINUM	SILVER MAPLE	55	GOOD/FAIR (INCLUDED BARK)
T-6	44.3	QUERCUS RUBRA	NORTHERN RED OAK	65	FAIR/POOR (DOUBLE)
T-7	35.7	ACER PLATANOIDES	NORWAY MAPLE	50	FAIR/POOR (INCLUDED BARK)
T-8	47.8	ACER SACCHARINUM	SILVER MAPLE	55	FAIR (MULT-TRUNK/DECAY)
T-9	53.0	ACER SACCHARINUM	SILVER MAPLE	60	FAIR (MULT-TRUNK/DECAY)
T-10	66.5	ACER SACCHARINUM	SILVER MAPLE	53	FAIR/POOR (MULT-TRUNK)

GENERAL NOTES FOREST PROTECTION

- 1. ALL FOREST RETENTION AREAS SHALL BE TEMPORARILY PROTECTED BY WELL ANCHORED BLAZE ORANGE PLASTIC MESH FENCING AND SIGNAGE AS INDICATED ON THE PLANS. THE DEVICES SHALL BE INSTALLED ALONG THE FOREST RETENTION BOUNDARY PRIOR TO ANY LAND CLEARING, GRUBBING, OR GRADING ACTIVITIES.
- THE FOREST PROTECTION DEVICES SHALL BE INSTALLED SUCH THAT THE CRITICAL ROOT ZONES OF ALL TREES WITHIN THE RETENTION AREA NOT OTHERWISE PROTECTED WILL BE WITHIN FOREST PROTECTION DEVICES. ALL PROTECTION DEVICES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION, INCLUDING SILT FENCE BEING USED AS PROTECTIVE
- FENCING. ALL DEVICES SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION HAS CEASED IN THE IMMEDIATE VICINITY.
- HAS CEASED IN THE IMMEDIATE VICINITY.

 ATTACHMENT OF SIGNS, OR ANY OTHER OBJECTS TO TREES IS PROHIBITED.

 NO EQUIPMENT, MACHINERY, VEHICLES, MATERIALS OR EXCESSIVE
 PEDESTRIAN TRAFFIC SHALL BE ALLOWED WITHIN THESE PROTECTED AREAS.

 INSTALLATION AND MAINTENANCE OF PROTECTIVE FENCING AND SIGNAGE
 SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE
 GENERAL CONTRACTOR SHALL TAKE THE UTMOST CARE TO PROTECT TREE
 ROOT SYSTEMS DURING ALL CONSTRUCTION ACTIVITIES. TREE ROOT SYSTEMS
 SHALL BE PROTECTED FROM SMOTHERING. EVOESSIVE WETTING SHALL BE PROTECTED FROM SMOTHERING, FLOODING, EXCESSIVE WETTING
- FROM DE-WATERING OPERATIONS, OFF-SITE RUN OFF, SPILLAGE AND DRAINING OF MATERIALS THAT MAY BE HARMFUL TO TREES.
 THE GENERAL CONTRACTOR SHALL PREVENT PARKING OF CONSTRUCTION VEHICLES AND EQUIPMENT, AND THE STORING OF BUILDING SUPPLIES OR STOCKPILING OF EARTH WITHIN FOREST CONSERVATION EASEMENTS.
 REMOVAL OF TOPSOIL OR ROOT MAT WITHIN THE TREE PRESERVATION
- AREA SHALL BE PROHIBITED. THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY TREES DAMAGED OR DESTROYED WITHIN THE FOREST CONSERVATION EASEMENTS.
 ROOT PRUNING SHALL BE USED AT THE LIMIT OF DISTURBANCE OR LIMIT OF

GRADING WITHIN AND ADJACENT TO ALL PRESERVATION AREAS, AS NECESSARY.

AFTER THE BOUNDARIES OF THE FOREST RETENTION AREAS HAVE BEEN FIELD LOCATED AND MARKED, AND AFTER THE FOREST PROTECTION DEVICES HAVE BEEN INSTALLED, BUT BEFORE ANY OTHER DISTURBANCE HAS TAKEN PLACE ON SITE, A PRE-CONSTRUCTION MEETING SHALL TAKE PLACE ON SITE. THE DEVELOPER, CONTRACTOR OR PROJECT MANAGER, AND HOWARD COUNTY INSPECTORS SHALL ATTEND. THE PURPOSE OF THIS MEETING WILL BE:

PRE-CONSTRUCTION MEETING

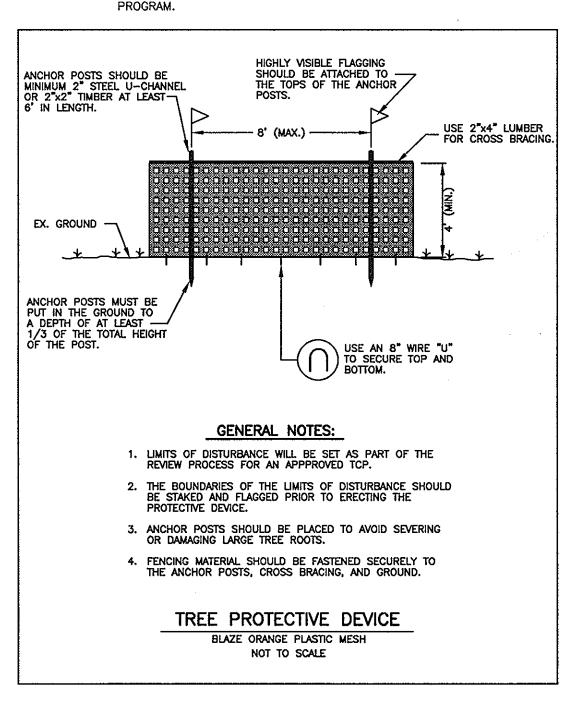
- A. TO IDENTIFY THE LOCATIONS OF THE FOREST RETENTION
 AREAS, SPECIMEN TREES WITHIN 50 FEET OF THE LIMIT OF
 DISTURBANCE, LIMITS OF CONSTRUCTION, EMPLOYEE PARKING
 AREAS AND EQUIPMENT STAGING AREAS; INSPECT ALL FLAGGED BOUNDARIES AND PROTECTION DEVICES;
- MAKE ALL NECESSARY ADJUSTMENTS; ASSIGN RESPONSIBILITIES AS APPROPRIATE AND DISCUSS

CONSTRUCTION MONITORING

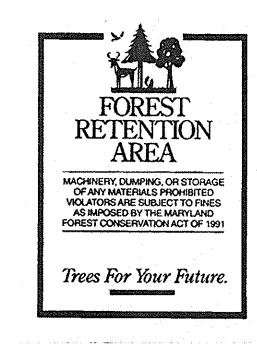
- THE SITE SHALL BE INSPECTED PERIODICALLY DURING THE CONSTRUCTION PHASE OF THE PROJECT. A QUALIFIED PROFESSIONAL SHALL BE RESPONSIBLE FOR IDENTIFYING DAMAGE TO PROTECTED FOREST AREAS OR INDIVIDUAL TREES WHICH MAY HAVE BEEN CAUSED BY CONSTRUCTION ACTIVITIES, SUCH AS SOIL COMPACTION, ROOT INJURY, TRUNK WOUNDS,
- LIMB INJURY, OR STRESS CAUSED BY FLOODING OR DROUGHT CONDITIONS.
 ANY SUCH DAMAGE THAT MAY OCCUR SHALL BE REMEDIED IMMEDIATELY
 USING APPROPRIATE MEASURES. SEVERE PROBLEMS MAY REQUIRE
 CONSULTATION WITH A PROFESSIONAL ARBORIST.
- THE CONSTRUCTION PROCEDURE SHALL NOT DAMAGE AREAS OUTSIDE OF THE LIMITS OF DISTURBANCE AS DESIGNATED ON THE PLANS. ANY DAMAGE SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE AND TO THE SATISFACTION OF THE DESIGN TEAM OR ENGINEER.
- SITE SHALL BE ALSO INSPECTED AT THE END OF THE TWO YEAR PERIOD PRIOR TO SURETY RELEASE TO INSURE THAT FORESTED AREAS HAVE BEEN RETAINED.

THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION OR DISTURBANCE OF VEGETATION IN THE FOREST CONSERVATION EASEMENTS EXCEPT AS PERMITTED BY THE HOWARD COUNTY FOREST CONSERVATION PROGRAM.

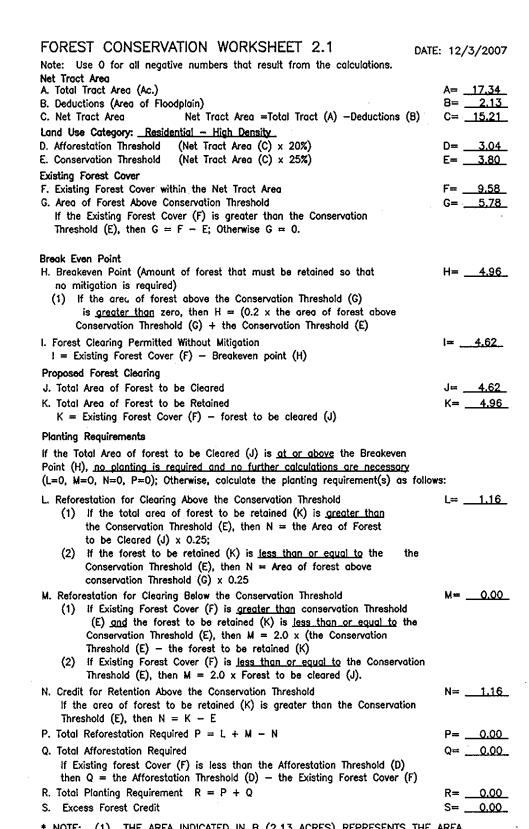
THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION, SOIL COMPACTION, OR EXCAVATION, INTRODUCTION OF TOXIC CHEMICALS OR OTHER DISTURBANCES DETRIMENTAL TO THE LIVE SPECIMEN TREES OR CRITICAL ROOT ZONES FOR THESE TREES EXCEPT AS PERMITTED BY THE HOWARD COUNTY FOREST CONSERVATION



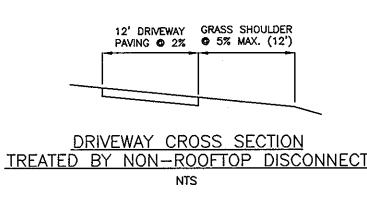


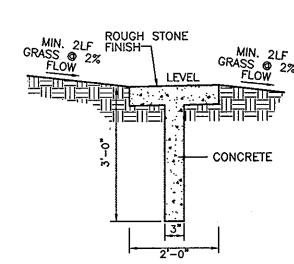


SPECIMEN TREE & FOREST RETENTION SIGNAGE DETAILS



* NOTE: (1) THE AREA INDICATED IN B (2.13 ACRES) REPRESENTS THE AREA OF LOT 5 WHICH CONTAINS 100 YEAR FLOODPLAIN. (2) ALTHOUGH FOREST IS CONSIDERED CLEARED FOR THE FOREST CONSERVATION WORKSHEET, IT IS NOT ACTUALLY PROPOSED TO BE CLEARED. ONLY A SMALL PORTION OF FOREST (2,390 SQ.FT.) ISPROPOSED TO BE CLEARED ON LOT 4 FOR INSTALLATION OF THE CONCRETE LEVEL SPREADER AND FOR GRADING IN THE REAR YARD. FOREST CONSERVATION EASEMENTS HAVE BEEN PLACED OVER THE PRIORITY AREAS (STEEP SLOPES AND STREAM BUFFERS) TO MEET THE BREAK EVEN POINT, ALL OTHERS ARE CONSIDERED CLEARED FOR CALCULATION PURPOSES ONLY.





LEVEL SPREADER DETAIL

WENDOL WILLIAMS 68 LANTERN HILL ROAD MADISON, CONNECTICUT 06443 APPROVED: DEPARTMENT OF PLANNING AND ZONING

ZUBOVIC DESIGNED BY: CHECKED BY: DATE: NOVEMBER 2008 w.o. No. <u>08-06-011B</u> 2 OF 2 F-08-143

SUBDIVISION, ION OF LOT 3, ZUBC

MD DNR QUALIFIED PROFESSIONAL

STEPHANIE DEMCHIK, RLA MD #3638