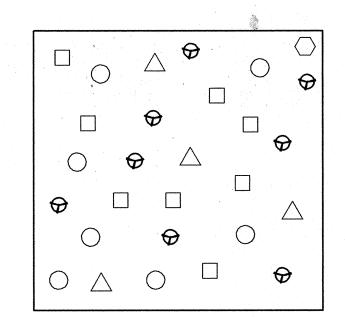


DETAIL 6 DECIDUOUS TREE PLANTING DETAIL B & B

NOT TO SCALE



- Plant material to be placed in random distribution pattern, taking care not to plant more than 3 of the same species or size in succession.
- 2. See plant schedule for plant species, sizes and auantities.
- 3. This detail provides a hypothetical graphic depiction of a proposed layout for ten tree species. It is not meant to be followed exactly. The purpose is to achieve the appearance of random spacing.

DETAIL 7 RANDOM PLANTING LAYOUT DETAIL NOT TO SCALE

PLANT SCHEDULE

Reforestation Plantings - Deciduous Trees				
Symbol	Quantity	Botanical Name/Common Name	Size/Root	Remarks/Spacing
	5	Acer rubrum Red Maple	1" Cal. B ¢ B	Full Crown 15 x 15
	6	Acer rubrum Red Maple	3'-4' Ht. Whip	11 × 11
	3	Liriodendron tulipifera Tuliptree	1" Cal. B¢ B	Full Crown 15 x 15
	3	Prunus serotina Black Cherry	1" Cal. B ¢ B	Full Crown 15 x 15
	6	Prunus serotina Black Cherry	3'-4' Ht. Whip	11 × 11
Θ	4	Sassafras albidum Sassafras	3'-4' Ht.	11 × 11

GENERAL NOTES

- 1. Randomly space plant material so that no more than 2 of any particlular
- species are planted in succession.
- 2. All proposed plant material shall be native plant species. No ornamental cultivars shall be used. Plant material is generally available from native nurseries, in the area, such as Pinelands, Sylva Native Nursery and Environmental Concern.
- 3. If plant material specified is unavailable at the time of planting the following are acceptable substitutions: Quercus rubra/Red Oak, Quercus prinus/Chestnut Oak, Celtis occidentalis/ Hackberry and Vaccinium corymbosum/Highbush Blueberry (See Standards & Specifications -Plant Substitutions)

REFORESTATION REQUIRED: 0.09 ACRES OR 3920 SF

1" Caliper trees or

(200 Trees per acre)

Hardwood Seedlings/Whips or (350 whips per acre)

Seedlings

(700 seedlings per acre)

STANDARDS AND SPECIFICATIONS— REFORESTATION

- 1. PLANT MATERIAL SELECTION NURSERY STOCK
- a. Plant material should be chosen from local nursery (within 200 mile radius) of the proposed planting site.
- b. All plant materials greater than 1" caliper shall meet or exceed the requirements of the American Nurseryman's Association standards. All plants shall be typical of the species and variety, shall have a normal habit of 535 growth, and shall be first quality, sound, vigorous, well-branched, and with healthy, well furnished root systems. They shall be free of disease, insects, and mechanical injuries.
- c. Planting stock less than 1" caliper must meet the following standards.

Seedlings/whips

Hardwoods - 1/4" to 1/2" caliper with roots not less than 8" long.

Conifers - 1/8" to 1/4" caliper with roots not less than 8" long and top height of 6" or more.

Shrubs - 1/8" or larger caliper with 8" root systems

- d. Bare root material shall not be allowed for any plant unless specifically noted on the plant
- 2. PLANTING SITE PREPERATION
- a. Undisturbed Sites

Disturbance of soils should be limited to the planting field for each plant. For planting where large stock is chosen, the planting field of radius of 5 times the diameter of the root ball is recommended. In areas of steep slopes or erodible soils, soil disturbance should be limited

to the planting field whose radius is equal to 2.5 x diameter of the root ball.

b. Disturbed Areas Soils should be treated by incorporating natural mulch within the top 12 inches. Natural amendments such as organic much or leaf mold compost, are preferred.

3. PLANTING PERIOD

Recommended planting window for planting of seedlings, whips and 1" caliper trees is January thru May. Planting is not recommended during the June thru December.

4. PLANT MATERIAL STORAGE

Plant materials which are left unplanted for more than 24 hours should be protected from direct sun and weather and kept moist. Nursery stock should not be left unplanted for more than 2 weeks.

5. PLANTING SPECIFICATIONS

a. Seedlings/Whips

Extreme care should be taken to insure retained moisture of the roots. While planting seedlings and whips a moist carrying container should be used to prevent further desiccation. Areas planted with seedlings or whips should be mulched after planting.

b. Container Grown and Balled and Burlapped Trees See Planting Details

REFORESTATION PROVIDED:

0.1262 ACRES OR 5,497 SF

11 @ 200 Trees per acre

20 @ 350 whips per acre

0 @ 700 seedlings per acre

Seedlings - with tree shelters

1" Caliper trees

Seedlings

c. Plant quantities and densities should correspond with plant schedule.

6. INSTALLATION

- a. Contractor shall verify plant quantities to his own satisfaction,
- b. Contractor shall notify "Miss Utility" at 1-800-242-1776 at least 72 hours prior to the start of any digging
- c. Existing utilities shown on the plans are for the convenience of the contractor. Contractors shall verify existing utilities to their satisfaction. Any damages to utilities or injuries resulting thereof shall be the sole responsibility of the landscape contractor.

- 7. REMOVAL OF INVASIVE/EXOTIC SPECIES FROM REFORESTATION AREA
 - a. Invasive/exotic species must be removed from the understory of the proposed reforestation area prior to installation of plant material.
 - b. Care should be taken as to not damage existing forest area during removal

8. WARRANTY AND MAINTENANCE

- a. A two-year maintenance and warranty period shall be required. Maintenance required to honor the two year warrantee shall be performed as part of this contract. As outlined in the
- b. No exceptions to the guarantee provisions are allowed unless agreed to in writing prior to
- c. The minimum survival rate shall be 75% of the total number of trees planted per acre at the end of the two-year maintenance period. Wild tree seedlings from natural regeneration on the planting site may be counted up to 50% towards the total survival number if they are healthy, native species at least 12 inches tall.

TWO YEAR MAINTENANCE REQUIRED

A. Watering shall occur when plants are installed and as required to assure good plant

During the first growing season, plants shall recieve 1" of water per week through watering or natural precipitation.

During the second and third growing seasons, plants shall be watered in July and August on an as needed basis.

- B. Use of fertilizer is not recommended in the first growing season. Fertilizers should be only be used during the second and third growing seasons on an as needed basis, as
- determined by soil analysis. C. Competing and exotic/invasive plants shall be controlled through selective mowing spraying, or hand removal, as indicated on the approved Forest Conservation Plan.
- D. Plants shall be protected from diseases, pests, and mechanical injury.
- E. If, after one year, the possibility exists that the original planting will not meet survival standards reinforcement plantings shall be planted to bring the total number of surviving trees to 90% of the original total. If at the end of the second growing season, the survival rate drops below 75%, such materials as needed to guarantee 75% survival rate by the end of the third growing season shall be installed.

STANDARDS AND SPECIFICATIONS— FOREST RETENTION

- 1. FOREST AND SPECIMEN TREE PROTECTION PROCEDURES
 - a. Protection of Forest Retention Areas during construction Construction activities may not take place in the retention area. This includes:
 - 1. Utility lines
 - 2. Access roads
 - 3. Staging, storage, and temporary parking areas
 - 4. Stormwater management devices
 - 5. Impervious surfaces
- b. Temporary Forest and Specimen Tree Protection Devices
 - 1. All retention areas and isolated specimen trees shall be protected
 - by highly visable, well anchored, temporary protection devices. See Detail 2. All protection devices shall be in place prior to any grading or land clearing.
 - 3. All protection devices shall remain in place until all construction has ceased
 - in the immediate vicinity.
 - 4. Devices shall be maintained throughout construction.
 - 5. Attachment of signs, or any other objects to trees is prohibited.
 - 6. No equipment, machinery, vehicles, materials or excessive pedestrian traffic shall be allowed within protected areas.
 - A. Fencina See Detail
 - 1. Fencing must be 4 foot high, minimum
 - 2. Fencing must be flagged with highly visible flagging.
 - 3. Fencing must be securely anchored

B. Signage - See Detail

Signs shall be posted at all retention areas and specimen trees clearly identifying the area.

b. Removal of Temporary Structures

1. Remove all temporary structures, such as temporary roadways, short-term protection devices, and sediment control devices.

2. Retain signs for retention areas or specimen trees.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING. Richard A. Rothrock Qualified Professional COMAR 08,19,06.01

CHIEF, DIVISION OF LAND DEVELOPMENT YOU CHIEF, DEVELOPMENT ENGINEERING DIVISION

18/18/25

JOB NUMBER

REVISIONS

Check TLK



PLANNERS SCIENTISTS TECHNOLOGIES CONSTRUCTION MANAGERS

14502 Greenview Drive, Suite 100 Laurel, Maryland 20708 (301) 953-1821 fax: (410) 792-7419 www.kci.com

SURVEY PREPARED FOR: SULLIVAN BLAKE REMODELING, INC. (410) 792-8086 9014 MANORDALE LANE ELLICOTT CITY, MARYLAND 21042 PHONE: (410) 418-9166

FOREST CONSERVATION DETAILS

SULLIVAN BLAKE - 7451 OAKLAND MILLS ROAD GUILFORD, MARYLAND 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FCP2 AS SHOWN 16053528

October 11, 200

SCALE