

STANDARD SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction, (883-3453).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current "LANDLORD STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", and revisions thereto.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, for permanent seeding (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 53) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.

Site Analysis:

| | |
|------------------------------------|---------------|
| Total Area of Site | 6.995 Acres |
| Area Disturbed | 2.40 Acres |
| Area to be roofed or paved | 0.00 Acres |
| Area to be vegetatively stabilized | 1.80 Acres |
| Total Cut | 2400 Cu. Yds. |
| Total Fill | 2400 Cu. Yds. |
| Offsite waste/borrow area location | |

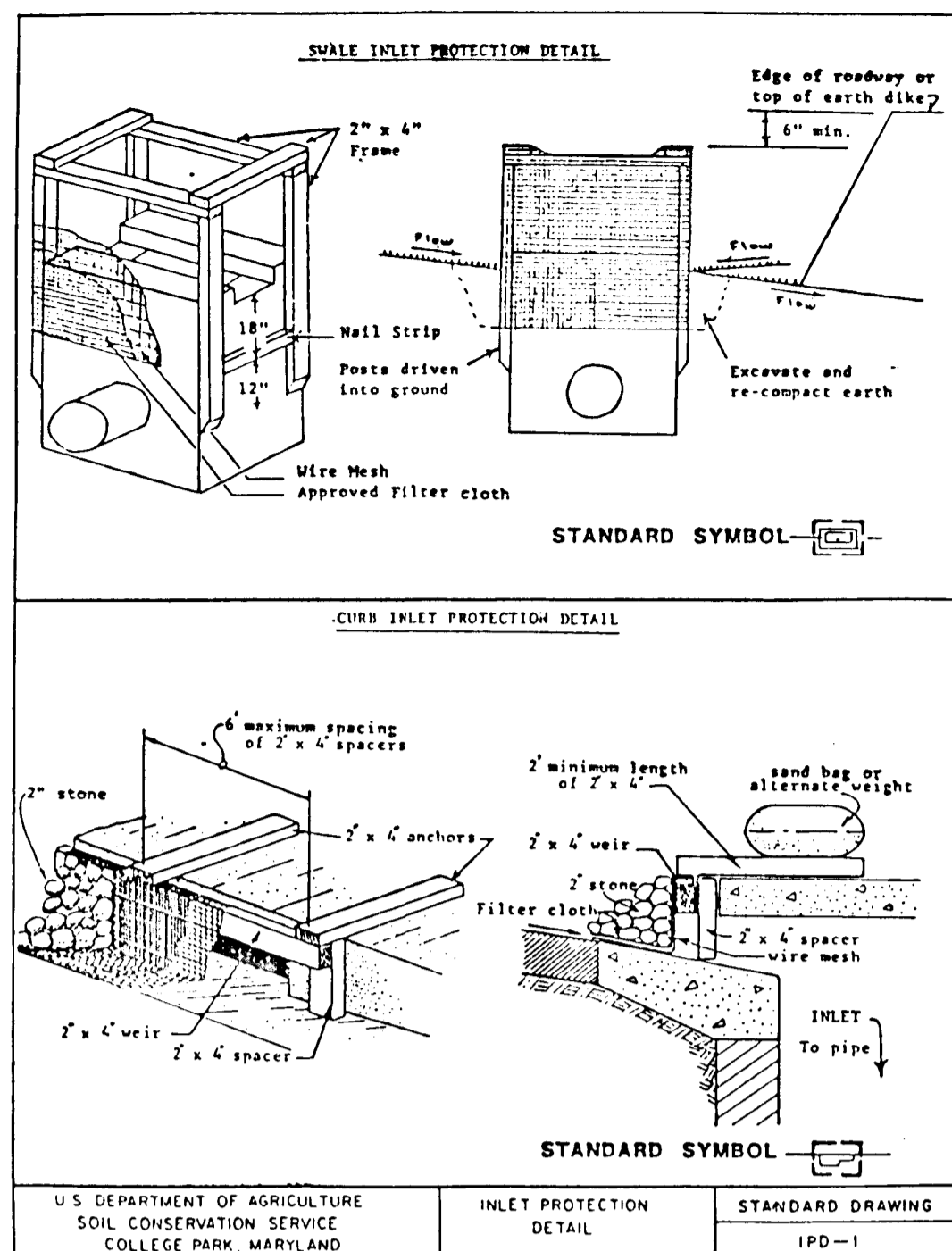
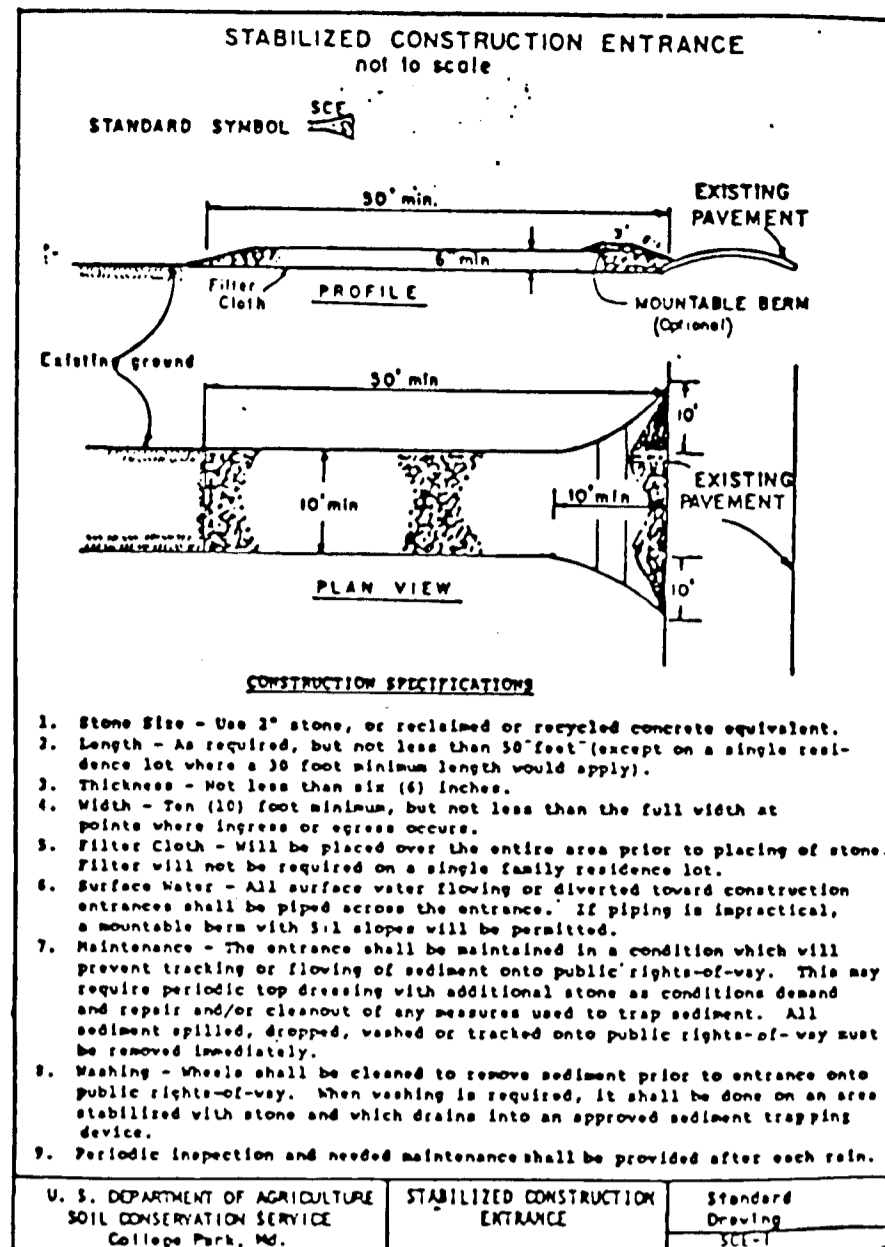
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- Trenches for the construction of utilities is limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.

REV 1/91
HOWARD SOIL CONSERVATION DISTRICT
PERMANENT SEEDING NOTES

- Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
- Soil Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.
- Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:
 - Preferential** - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq. ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq. ft.).
 - Acidifiable** - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq. ft.) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil.
- Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (1.05 lbs/1000 sq. ft.) of weeping lovegrass. During the period of October 16 thru February 20, protect site by: Option (1) - 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) - Use sod. Option (3) - Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.
- Mulching - Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of unrotted well grain straw immediately after seeding. Andor mulch immediately after application using mulch anchoring tool or 210 gallons per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 300 gallons per acre (8 gal/1000 sq. ft.) for anchoring.
- Maintenance - Inspect all seeding areas and make needed repairs, replacements and reseeding.

TEMPORARY SEEDING NOTES

- Apply to graded or cleared areas likely to be re-disturbed where a short-term vegetative cover is needed.
- Soil Preparation: - Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.
- Soil Amendments: - Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.).
- Seeding: - For periods March 1 thru April 30 and from August 15 thru October 15, seed with 2-1/2 bushel per acre of rye (2.2 lbs/1000 sq. ft.). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (1.07 lbs/1000 sq. ft.). For the period November 16 thru February 20, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.
- Mulching: - Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of unrotted well free soil grain straw immediately after seeding. Andor mulch immediately after application using mulch anchoring tool or 210 gal per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 ft. or higher, use 300 gal per acre (8 gal/1000 sq. ft.) for anchoring.
- Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.



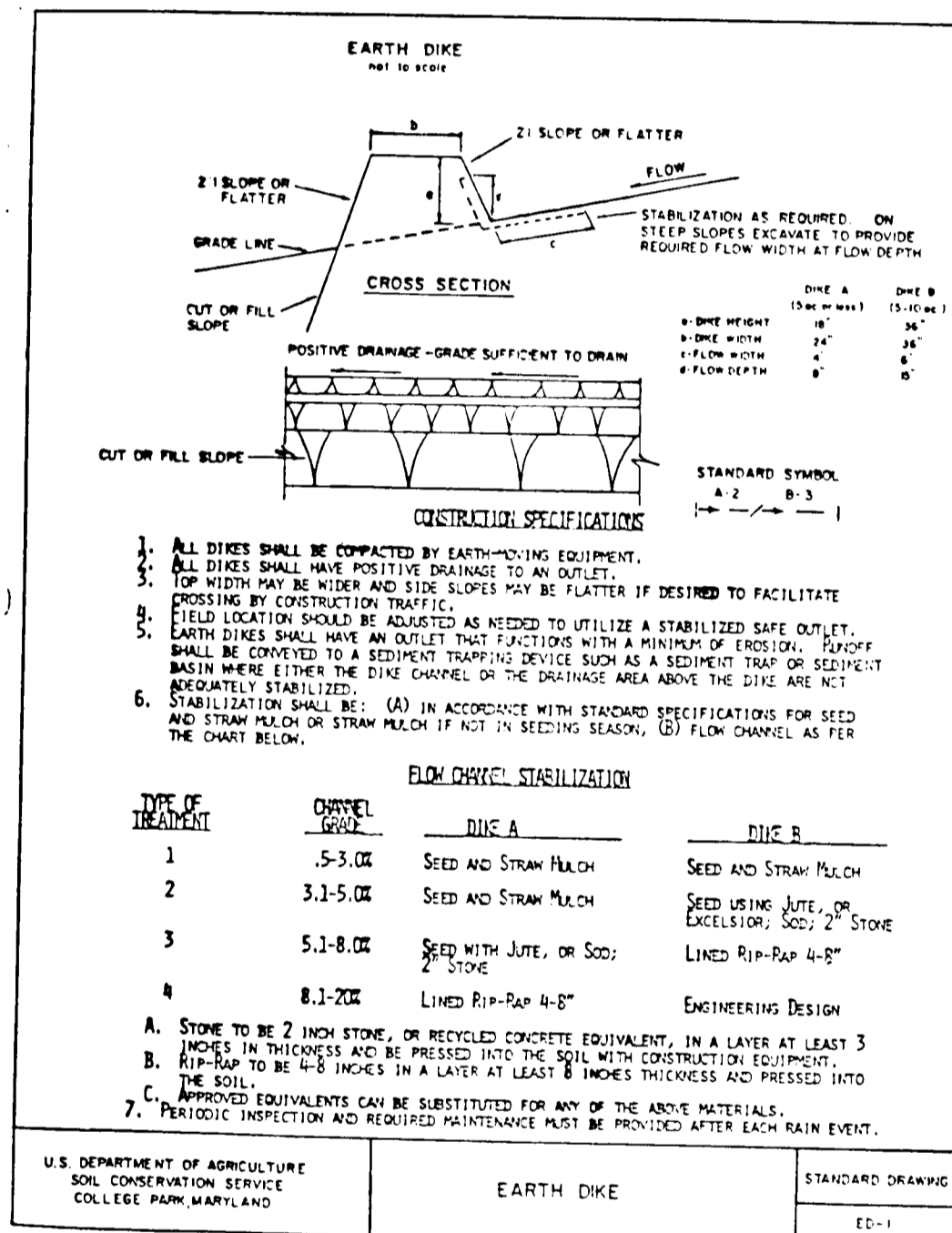
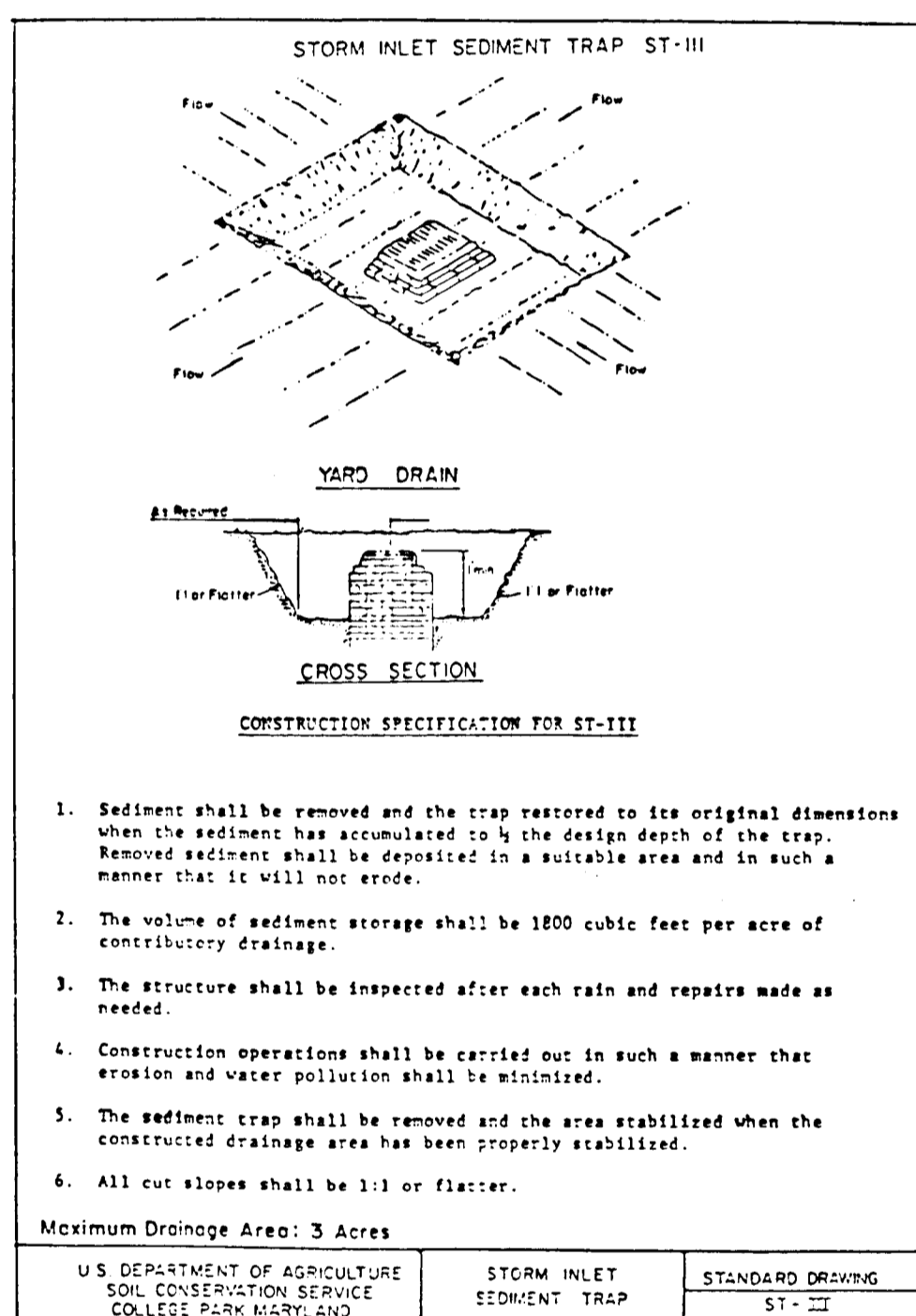
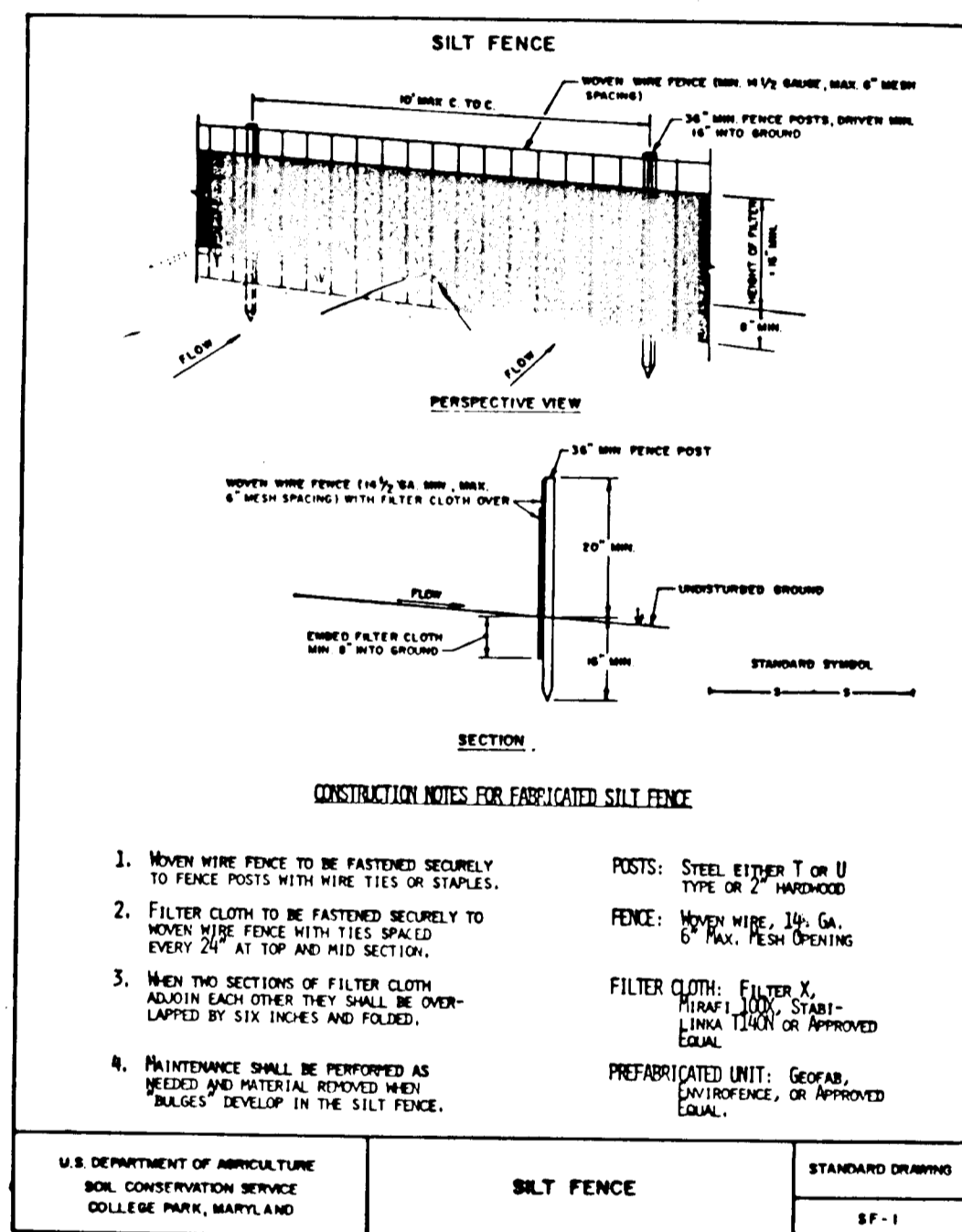
Sediment Trap Schedule

| Trap No. | Max. D.A. Acres | Stor. Req. ft ³ | Stor. Prov. ft ³ | Stor. Elev. | Weir Depth ft. | Bottom Elev. | Crest Elev. | Top Elev. | Trap Size | Type | |
|----------|-----------------|----------------------------|-----------------------------|-------------|----------------|--------------|-------------|-----------|-----------|------|----------------|
| 1 | 0.90 | 1620 | 2363.5 | 255 | 2 | 10 | 253 | 254 | 255 | 256 | 25'x30" ST-III |

* Indicates Bottom Dimensions

CONSTRUCTION SEQUENCE

- Obtain grading permit. 1 Day
- Install stabilized construction entrance. 1 Day
- Stake out limits of disturbance. 1 Day
- Install silt fence at limit of disturbance where shown hereon or as directed by Sediment Control Inspector. 1 Day
- Remove existing earth dike constructed under F93-36 (Marshalee Woods Section One). 1 Day
- Install clearwater diversion dike and trap #1. 1 Day
- Grade site after permission has been granted by Sediment Control Inspector. 1 Week
- Install utilities. 2 Weeks
- Repair dikes damaged by utility installation and stabilize with permanent seeding mixture and straw mulch. 1 Day
- Sediment shall be removed from sediment trap when the cleanout elevation has been reached. 1 Day
- The contractor shall inspect and provide necessary maintenance on the sediment and erosion structures shown hereon after each rainfall and on a daily basis. 1 Day
- The sediment traps shall be dewatered by pumping. The accumulated sediment from the traps shall be placed up grade from the traps in such a manner as not to interfere with construction operations or cause erosion down grade from the traps. 1 Day
- Install curb and gutter and paving. 2 Weeks
- Install sidewalks. 1 Week
- Complete any grading and stabilize disturbed areas with permanent seeding mixture and straw mulch. 1 Week
- After permission has been given by Sediment Control Inspector, backfill sediment trap #1. 1 Day
- After permission has been given by Sediment Control Inspector, remove silt fence and stabilize disturbed areas with permanent seeding mixture and straw mulch. 2 Days
- Install landscaping and trees per landscape / forest conservation plan. 1 Week



ENGINEER'S CERTIFICATE

I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.



Bruce D. Burton 2/1/95
Signature of Engineer Date

DEVELOPER'S CERTIFICATE

I/We certify that all development and construction will be done according to this plan and that any responsible personnel involved in the construction project will have a certificate of Attendance of a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District.

John L. Lujan 2/1/95
Signature of Developer Date

These plans have been reviewed for the Howard Soil Conservation District and meet technical requirements.

John L. Lujan 2/1/95
U.S. Soil Conservation Service Date

This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

John L. Lujan 2/1/95
Howard Soil Conservation District Date

APPROVED: Department of Public Works for Storm Drainage Systems and Roads

Chad DeWitt 2/1/95
Chief, Land Development Division Date

Paul J. Spon 2/14/95
Chief, Bureau of Engineering Date

Andrew M. Lawler 2-10-95
Chief, Bureau of Highways Date

APPROVED: Department of Planning and Zoning

Chira Surinjanji 2/1/95
Chief, Division of Land Development and Research Date

LAND DESIGN ENGINEERING, INC.

8835 Columbia 100 Parkway, Unit N, Columbia, MD 21045
(410) 715-1070 (Ballo.) (301) 596-3424 (Wash.) (410) 715-0681 (Fax)

| | |
|----------------|-----------------|
| DESIGNED TD/BS | SCALE AS SHOWN |
| DRAWN WT/JAL | DRAWING 4 of 7 |
| CHECKED RM | JOB No |
| DATE 10/94 | FILE No F-95-19 |

GRADING & SEDIMENT AND EROSION CONTROL DETAILS

MARSHALEE WOODS SECTION TWO AREA ONE

Owner/Developer: MARSHALEE WOODS LIMITED PARTNERSHIP
8835-P Columbia 100 Parkway
Columbia Maryland 21045 (410)750-080

LEGEND

- 342 --- EXISTING CONTOUR (2' INTERVAL)
- 342 — PROPOSED CONTOUR (2' INTERVAL)
- [SCE] STABILIZED CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE
- SF — SILT FENCE
- [] EARTH DIKE
- TPF — TREE PROTECTION FENCE
- W — NON-TIDAL WETLANDS
- [] EXISTING WOODS
- — STREAM BUFFER



MARSHALEE WOODS LIMITED PARTNERSHIP
L 2964 F 86
FUTURE MARSHALEE WOODS SECTION 2 AREA 2

100 INVESTMENT LIMITED PARTNERSHIP
L 1470 F 328

| 8/19/95 | E27 to M-1 Alignment Revised | Δ | LD |
|---------|------------------------------|---|----|
| Date | Description | | By |
| | | | |

ENGINEER'S CERTIFICATE

I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.



Signature of Engineer: *Prince D. Burton* 4/1/95
Date

DEVELOPER'S CERTIFICATE

I/we certify that all development and construction will be done according to this plan and that any responsible personnel involved in the construction project will have a certificate of Attendance or a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District.

Signature of Developer: *John L. Linn* 8/18/94
Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.

John R. Polston 2/17/95
Date
43 Soil Conservation District

This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

Signature of District: *John R. Polston* 2/17/95
Date

APPROVED Department of Public Works for Storm Drainage Systems and Roads

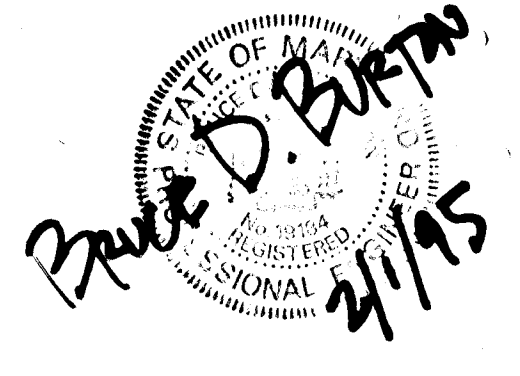
Allen Cummings 2/14/95
Date
Chief, Canal Development Division

Richard Sejan 2/14/95
Date
Chief, Bureau of Engineering

Richard M. Edwards 2/10/95
Date
Chief, Bureau of Highways

APPROVED Department of Planning and Zoning

Quinn Summerville 2/17/95
Date
Chief, Division of Land Development and Research



LAND DESIGN ENGINEERING, INC.

8835 Columbia 100 Parkway, Unit N, Columbia, MD 21045
(410) 715-1070 (Balto.) (301) 596-3424 (Wash.) (410) 715-0681 (Fax)

| | | | |
|-------------------|---|--|---------------------|
| DESIGNED TD/ES | <p>DRAINAGE AREA MAP</p> <p>MARSHALEE WOODS</p> <p>SECTION TWO AREA ONE</p> | SCALE 1" = 50' | |
| DRAWN WJ | | DRAWING 5 of 7 | |
| CHECKED RM | | JOB No. | |
| DATE 10/94 | | OWNER/DEVELOPER MARSHALEE WOODS LIMITED PARTNERSHIP 2830 P. Columbia, 100 Parkway Columbia, Maryland 21043 (410) 730 0810 | FILE No. F-95-19 |
| | | | |

11667

SCHEDULE A PERIMETER LANDSCAPE EDGE

| Category | Adjunct to Roadways | Adjunct to Private Properties |
|---|---------------------|-------------------------------|
| Landscape Type | N/A | A |
| Linear Feet of Roadway Frontage/Perimeter | N/A | N/A |
| Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed) | | Yes, 200 |
| Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed) | | 0 |
| Number of Plants Required: Shade Trees, Evergreen Trees, Shrubs | | 0 |
| Number of Plants Provided: Shade Trees, Evergreen Trees, Other Trees (2:1 substitution), Shrubs (10:1 substitution) (Describe plant substitution credits below if needed) | | 0 |

Comment: Existing trees fulfill Landscaping Requirements

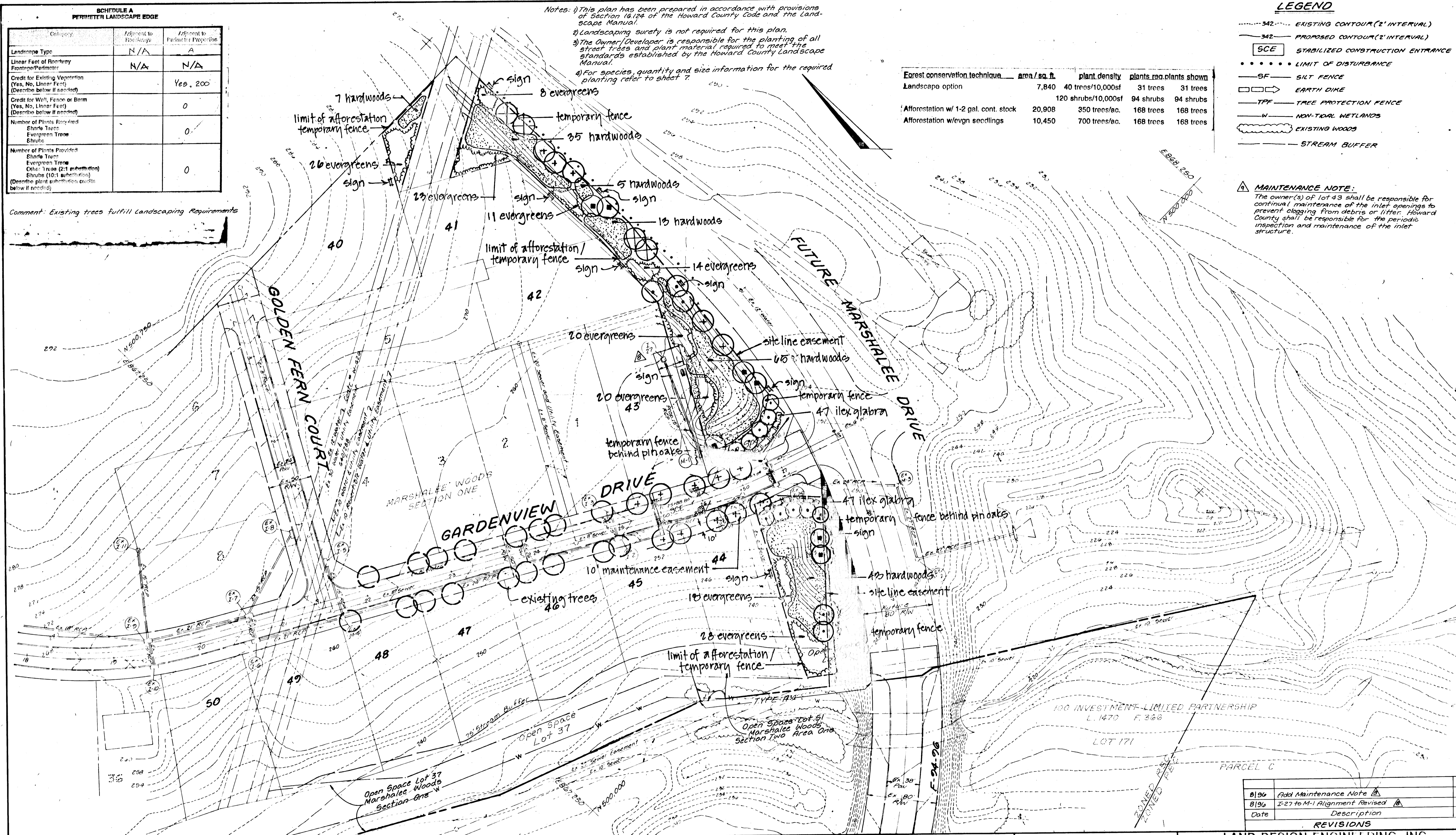
Notes: 1) This plan has been prepared in accordance with provisions of Section 16.14 of the Howard County Code and the Landscape Manual.
 2) Landscaping surety is not required for this plan.
 3) The Owner/Developer is responsible for the planting of all street trees and plant material required to meet the standards established by the Howard County Landscape Manual.
 4) For species, quantity and size information for the required planting refer to sheet 7.

| Forest conservation technique | area/sq. ft. | plant density | plants req. | plants shown |
|---------------------------------------|--------------|---------------------|-------------|--------------|
| Landscape option | 7,840 | 40 trees/10,000sf | 31 trees | 31 trees |
| Afforestation w/ 1-2 gal. cont. stock | 20,908 | 120 shrubs/10,000sf | 94 shrubs | 94 shrubs |
| Afforestation w/evgn seedlings | 10,450 | 350 trees/ac. | 168 trees | 168 trees |

LEGEND

- 342 --- EXISTING CONTOUR (2' INTERVAL)
- - - 342 - - - PROPOSED CONTOUR (2' INTERVAL)
- SCE STABILIZED CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE
- SF — SILT FENCE
- EARTH DIKE
- TPF — TREE PROTECTION FENCE
- W — NON-TIDAL WETLANDS
- ◊ EXISTING WOODS
- STREAM BUFFER

MAINTENANCE NOTE:
 The owner(s) of lot 43 shall be responsible for continual maintenance of the inlet openings to prevent clogging from debris or litter. Howard County shall be responsible for the periodic inspection and maintenance of the inlet structure.



REVISIONS

| Date | Description |
|------|-------------------------------|
| 8/96 | Add Maintenance Note |
| 8/96 | I-27 to M-1 Alignment Revised |

1667

ENGINEER'S CERTIFICATE
 I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
 Signature of Engineer _____ Date _____

DEVELOPER'S CERTIFICATE
 I certify that all development and construction will be done according to this plan and any revisions approved by the Howard Soil Conservation District. I will have a certificate of Attendance from the Department of the Environment Approved Training Program for the control of sediment and erosion before beginning the project. I also authorize periodic in site inspection by the Howard Soil Conservation District.
 Signature of Developer _____ Date _____

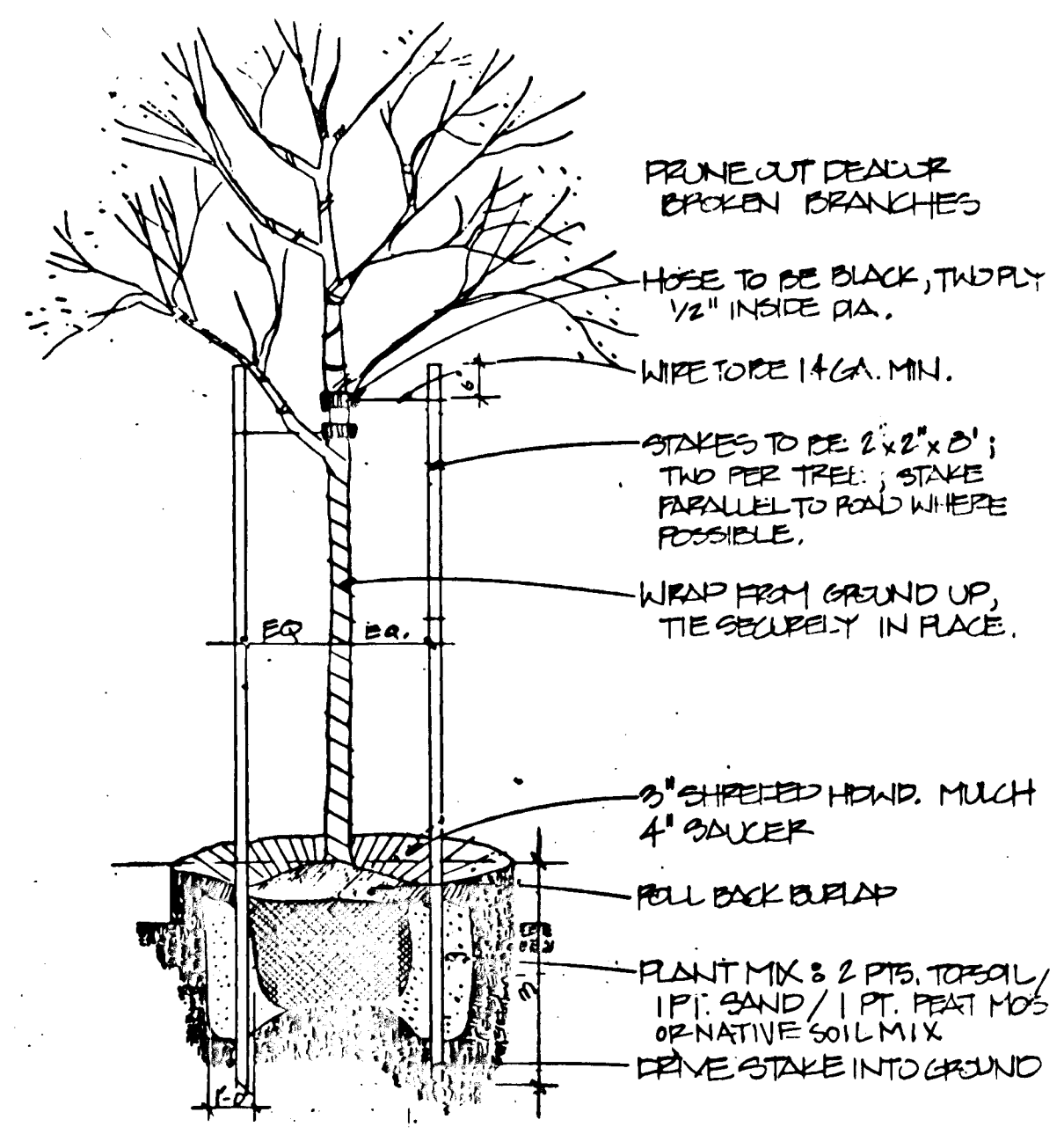
These plans have been reviewed by the Howard Soil Conservation District and meet the technical requirements.
 43 Soil Conservation Service Date _____
 This development is approved for soil erosion and sediment control by the Howard Soil Conservation District.
 Howard Soil Conservation District Date _____

APPROVED Department of Public Works for Storm Drainage Systems and Roads
 Date 2/14/95
 APPROVED Department of Planning and Zoning
 Date 2/14/95
 APPROVED Department of Public Works for Storm Drainage Systems and Roads
 Date 2-0-95

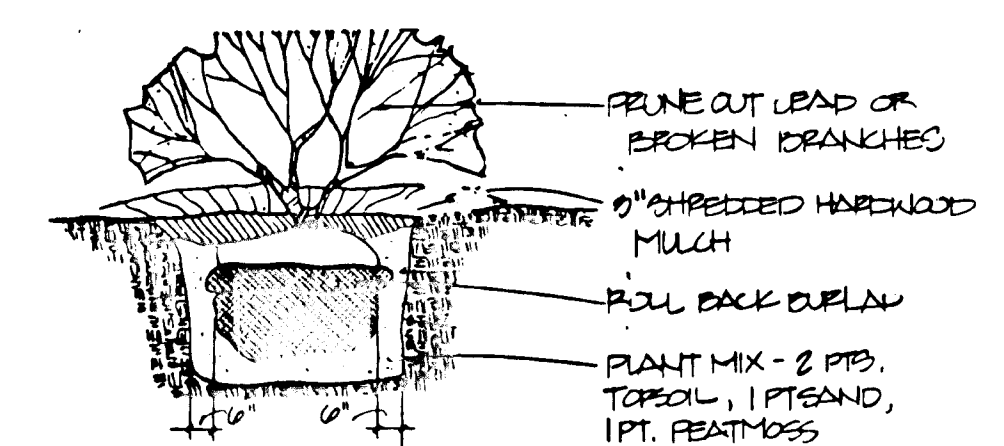
APPROVED Department of Planning and Zoning
 Date 2/17/95
 APPROVED Department of Planning and Zoning
 Date 2-0-95

STATE OF MARYLAND REGISTERED LANDSCAPE ARCHITECT
 Julie B. Higgins 1-9-95
HIGGINS • LAZARUS
 LANDSCAPE ARCHITECTURE
 8128 Chincoteague Parkway
 Baltimore, MD 21239
 410-323-4188 410-323-2563

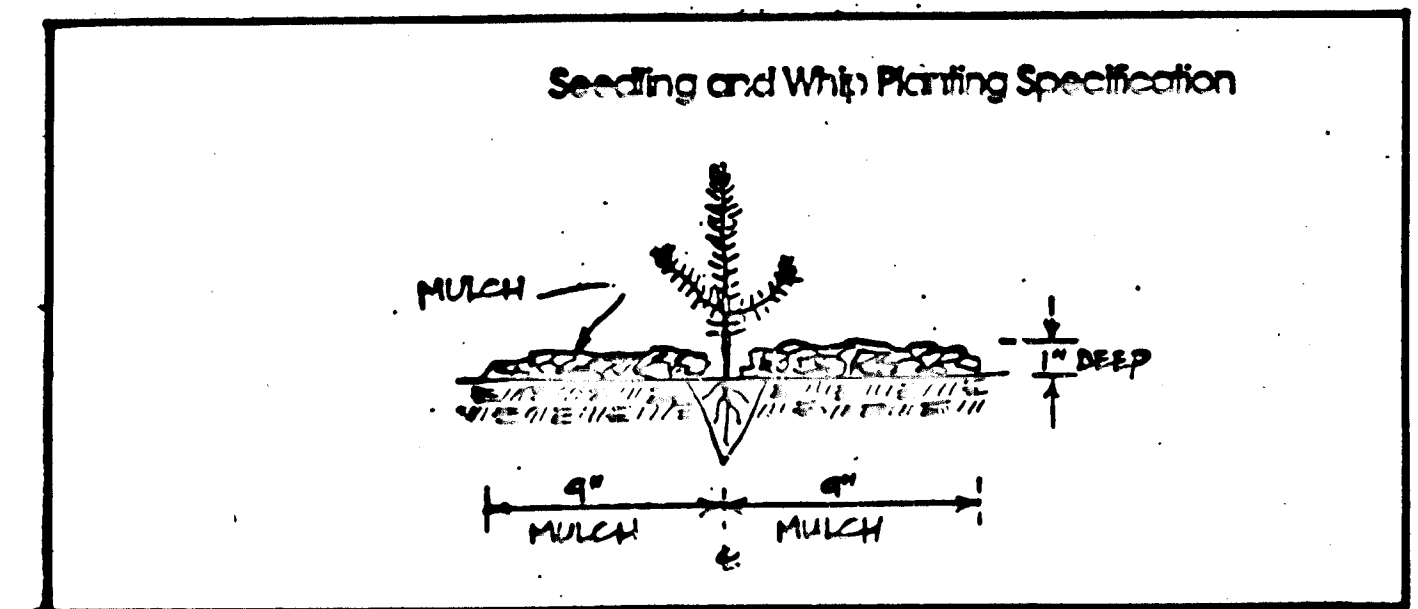
LAND DESIGN ENGINEERING, INC.
 8835 Columbia 100 Parkway, Unit N, Columbia, MD 21045
 (410) 715-1070 (Balto.) (301) 596-3424 (Wash.) (410) 715-0681 (Fax)
LANDSCAPE PLAN
FOREST CONSERVATION PLAN
MARSHALEE WOODS
SECTION TWO AREA ONE
 MARSHALEE WOODS LIMITED PARTNERSHIP
 8835 Columbia 100 Parkway
 Columbia, Maryland 21045 (410) 730-0810
 F-95-19



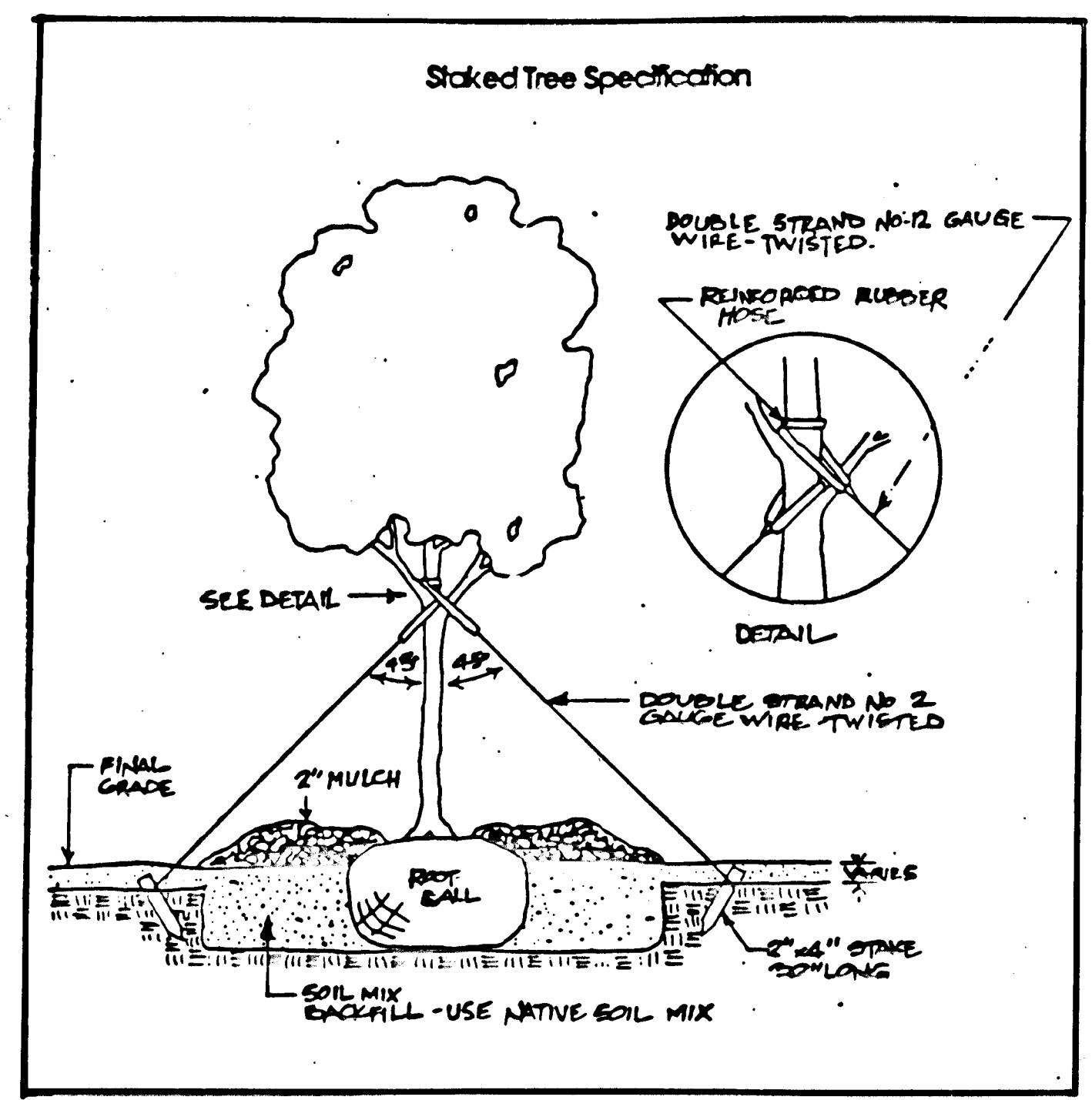
STREET TREE PLANTING



LARGE SHRUB PLANTING

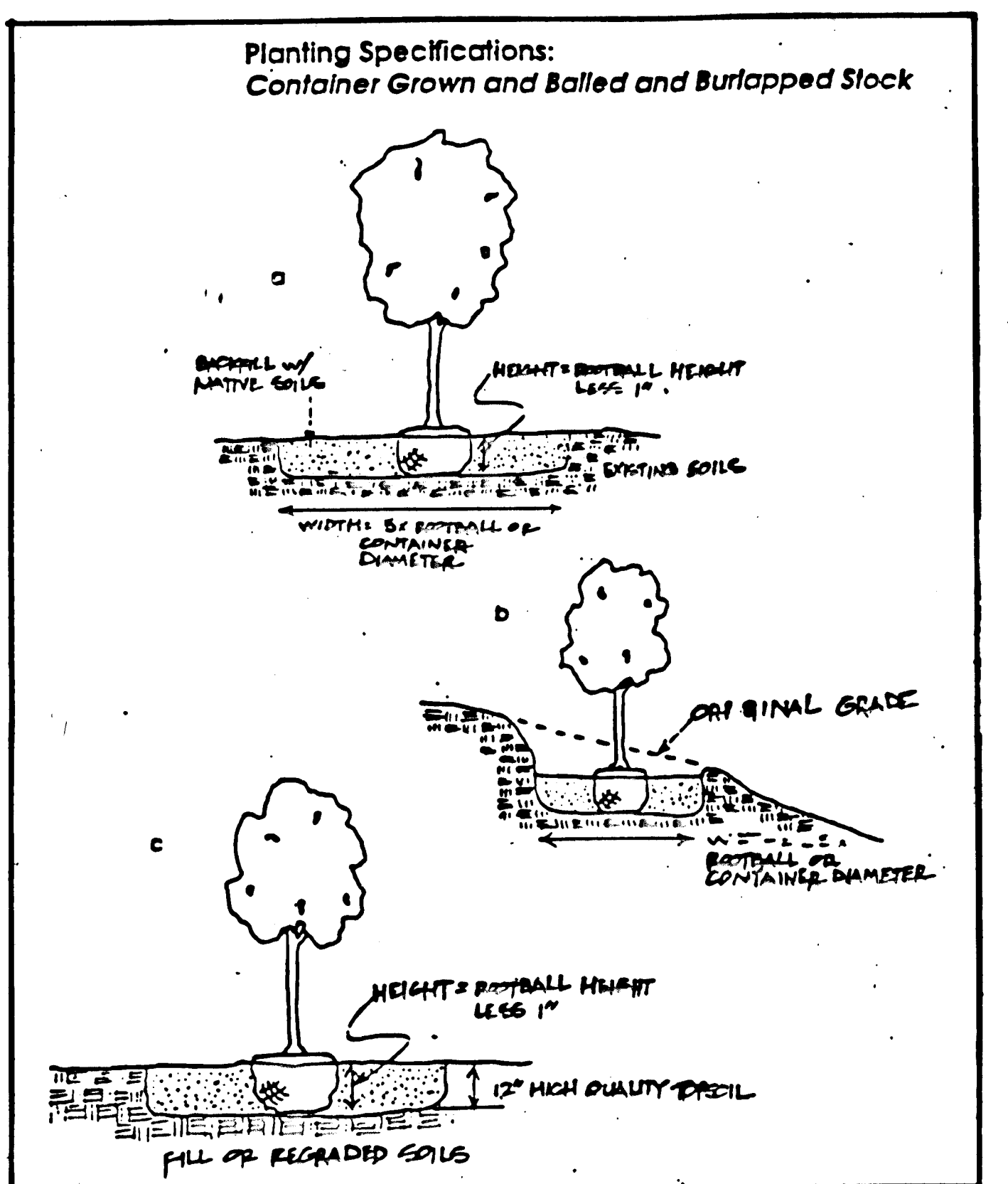


SEEDLING PLANTING

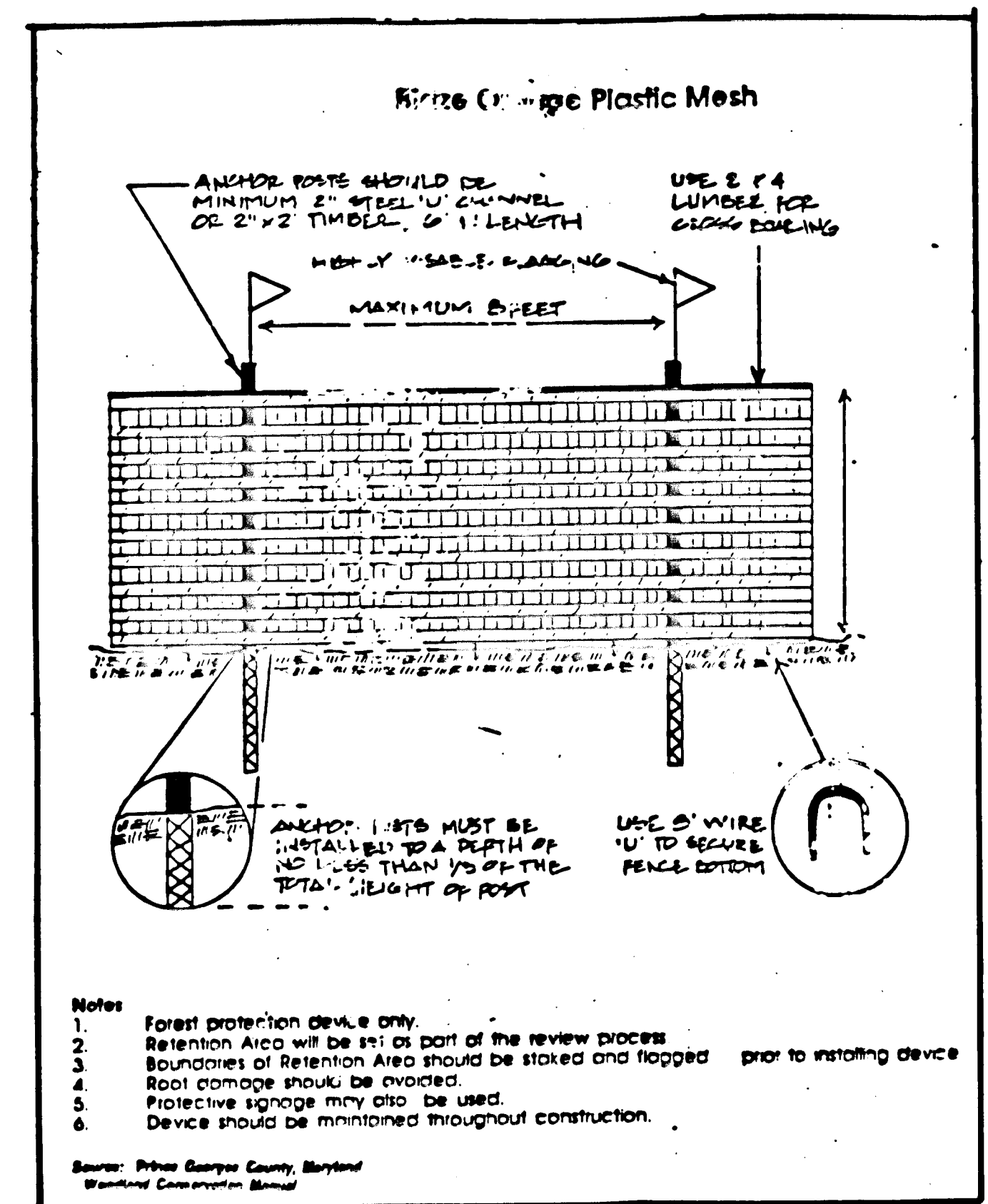


Staking of trees may be used only when transporting in areas of high winds for trees larger than eight feet in height. Stakes and wires should be removed after the first growing season.

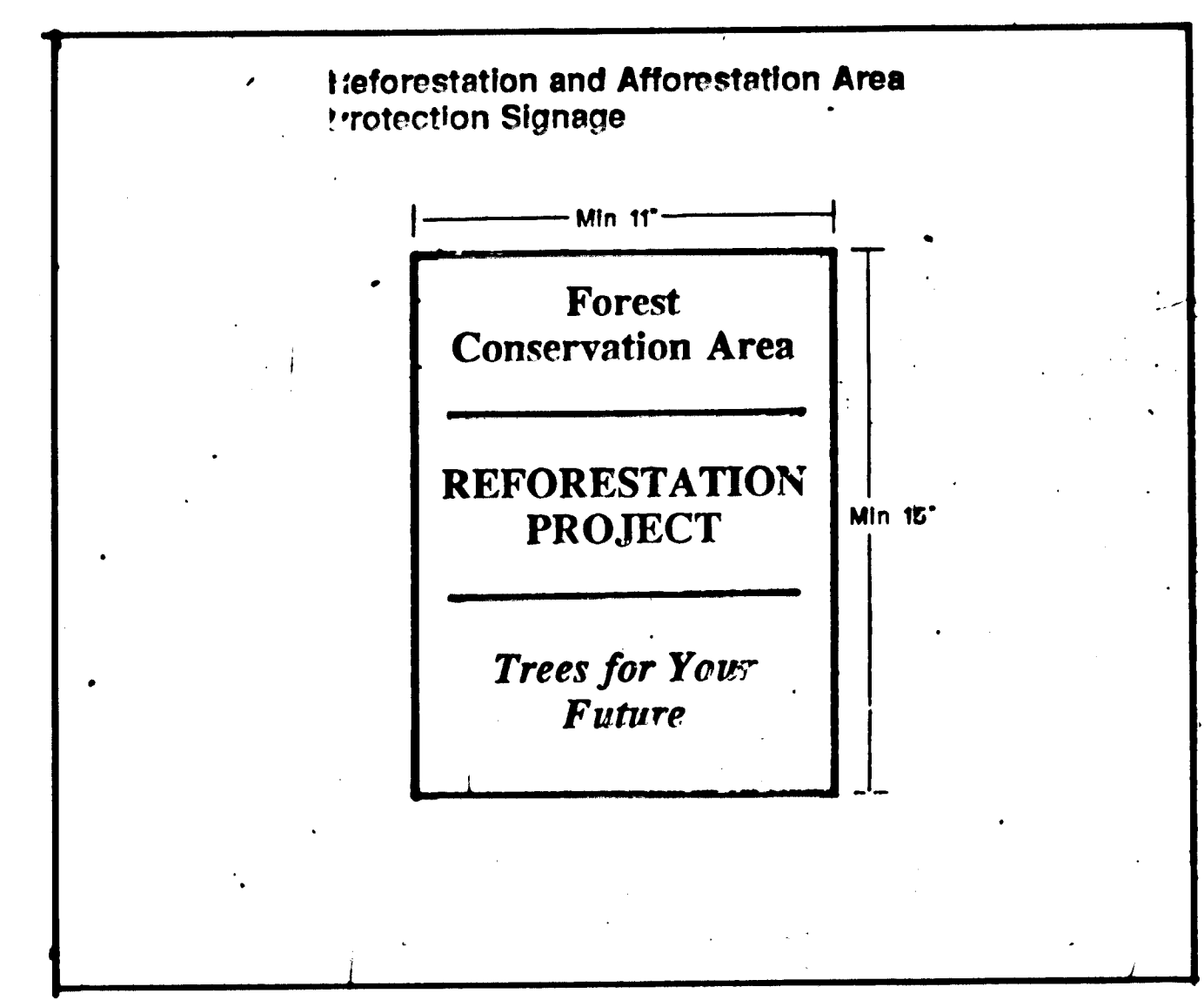
B&B / STAKED TREES IN AFFORESTATION AREA



CONTAINER GROWN TREE PLANTING IN AFFORESTATION AREA



TEMPORARY PROTECTIVE FENCE



AFFORESTATION AREA PROTECTION SIGNAGE

PLANT SCHEDULE street trees

| NO. | KEY | BOTANICAL / COMMON NAME | SIZE | COMMENT |
|-----|-----|--|-------------------------|----------|
| 10 | + | Acer rubrum "October Glory" October glory Red Maple | 2-1/2" - 3" cal. B&B | 40' o.c. |

(Street tree calculation - 380 lineal feet of public road frontage requires 10 street trees)

afforestation planting

LANDSCAPE OPTION (20%) 7,840 SF

| | | | | |
|----|---|--|-------------------------|-------------------------------|
| 5 | + | Acer rubrum Red Maple | 2-1/2" - 3" cal. B&B | |
| 7 | + | Liquidambar styraciflua Sweetgum | 2-1/2" - 3" cal. B&B | |
| 4 | + | Quercus borealis Northern Red Oak | 2-1/2" - 3" cal. B&B | |
| 15 | + | Quercus palustris 'Sovereign' Sovereign Pin Oak | 2-1/2" - 3" cal. B&B | |
| 94 | + | Ilex glabra compacta Compact Inkberry | 24-30" | 3' o.c. two staggered rows |

ONE TO TWO GALLON CONTAINERS 20,908 SF

| | | | | |
|----|---|--|--------------|-------------------|
| 24 | + | Acer rubrum Red Maple | 2 gal. cont. | avg spacing - 11' |
| 15 | + | Amelanchier canadensis Downy shadblow | 1 gal. cont. | |
| 20 | + | Carya ovata Shagbark Hickory | 2 gal. cont. | |
| 15 | + | Cercis canadensis American Redbud | 1 gal. cont. | |
| 20 | + | Ilex opaca American Holly | 1 gal. cont. | |
| 20 | + | Liquidambar styraciflua Sweetgum | 2 gal. cont. | |
| 18 | + | Quercus coccinea Scarlett Oak | 2 gal. cont. | |
| 18 | + | Quercus borealis Northern Red Oak | 2 gal. cont. | |
| 18 | + | Viburnum prunifolium Blackhaw | 1 gal. cont. | |

EVERGREEN SEEDLINGS 10,450 SF

| | | | | |
|-----|---|-----------------------------|--------------------------------|--|
| 168 | + | Pinus strobus White pine | 6" ht. min. 1/8 - 1/4" cal. | |
|-----|---|-----------------------------|--------------------------------|--|

PLANTING NOTES - street trees

1. Notify "Miss Utility" 72 hours prior to installation of all plant material.
2. Plant installation must conform to the minimum standards cited in the latest edition of Landscape Specification Guidelines, published by the Landscape Contractors Association.
3. Plants to be located in the field by the owner or owner's representative. Notify owner 72 hours in advance of planting.
4. A Certification of Landscape Installation is required as per the Howard County Landscape Ordinance.
5. The number, size, location of plants shall not be changed without the approval of the Landscape Architect. Substitutions must be included in the recommended plant list in the Howard County Landscape Ordinance.
6. Street tree locations may be adjusted for final location of driveways. Trees to be located a minimum of 10 feet from driveways.
7. Street trees may not be planted within 5 feet of drain inlets, 6 feet of an open space access strip and 10 feet of a driveway.
8. Street Tree planting must conform to the Subdivision and Land Development Regulations and the Department of Public Works Design Manual of Howard County.
9. Balled and Burlapped plant material shall not be accepted if ball is cracked or broken before or during planting. Protect all plants from drying by either sun or wind.
10. Tree pits shall be backfilled with 50% topsoil, 25% peat, 25% sand with one pound of 10-10-10 fertilizer per pit.
11. Top soil shall be sandy loam soil free from noxious weeds or grasses, roots, clay clumps, stones, sticks, etc. Peat moss shall be commercial with pH 4.5 to 5.5, free of woody material or harmful minerals.
12. All plants shall be watered at planting with weekly watering thereafter for the first 80 days. Watering shall continue bi-monthly or as necessary to maintain plants in a healthy condition during the guarantee period.
13. Maintain the site in an orderly manner. Streets and sidewalks shall be swept clean. All rejected or dead materials shall be immediately removed from the site.
14. Plant material to be alive and healthy at the time of the guarantee period (one year), as specified in the Howard County Landscape Ordinance.
15. Maintenance shall begin immediately after planting and continue to the end of guarantee period.
16. Maintenance consist of pruning, watering, weeding, re-mulching, resetting plants to proper grades as needed and repairing guys and stakes as needed.

PLANTING NOTES - afforestation planting

1. Forest Stand Delineation and the Preliminary Forest Conservation Plan prepared by C. Williams, Landscape Architect.
2. Written Documentation including afforestation location, construction protection and management, cost estimate, plant densities, etc. prepared by C. Williams, Landscape Architect, Submission No. P-94-07.
 - A) Construction Protection and Management: Upon completion of the rough grading of the afforestation areas, a protective fence and signs will be installed. Adjacent landowners will be informed about the existence and importance of these areas.

3. All planting to meet the implementation techniques and practices as described in the Howard County Forest Conservation Manual.
4. There are no existing trees on the site.
5. The hardwood container-grown stock should be planted randomly at an average of eleven feet on center as a naturalized pattern. Species should be mixed with no less than three trees of one species in a group. Edge species should be planted on the perimeter of the afforestation area (Amelanchier, Cercis, and Viburnum).
6. Evergreen seedlings should be planted randomly at an average of eight feet on center in a naturalized pattern.
7. The Landscape Contractor will be responsible for general site preparation of the rough graded afforestation areas. The planting areas should be treated by incorporating natural mulch into the top twelve inches of soil. The Contractor will provide needed soil amendments as determined by a soil analysis. Amendments should be natural materials such as organic mulch or leaf mold compost.
8. All disturbed areas within the afforestation area to be seeded with K-31 Tall Fescue (March 1 - April 30 and August 1 - Oct. 15, seed with 60 lbs/acre; May 1 - July 31 use 60 lbs/acre K-31 and 2 lbs/acre of weeping lovegrass; Oct. 16 - Feb. 28 use 60 lbs/acre K-31 and mulch with 2 tons/acre well anchored straw or mulch and seed in the spring).
9. Seeded areas to be hand mulched with 1 1/2 to 2 tons per acre of unrotted small grain straw and non-asphaltic tackifier and left unremoved. All areas between the Site Line Easement and the ROW of Marshalee Drive shall be seeded with K-31 Fescue and mulched once a year.
10. The Landscape Architect will inspect the planting at the end of the construction period and provide to the County a certification that all plantings have been installed and that all protection devices are in place.
11. The Landscape Contractor shall be responsible for management of afforestation areas for a period of two years, including needed watering, removal of dead or damaged material and control of undesirable species, fertilizing if necessary and control of pests, and replacement of plant material as described in the Howard County Forest Conservation Manual.
12. All inspections as required by the Forest Conservation Manual shall be performed by the Landscape Architect.

ENGINEER'S CERTIFICATE

I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

Bruce D. Burton 2/1/95
Signature of Engineer Date

DEVELOPER'S CERTIFICATE

I/we certify that all development and construction will be done according to this plan and that any responsible personnel involved in the construction project will have a certificate of Attendance of a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize portable on-site inspection by the Howard Soil Conservation District.

Signature of Developer Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements.

US Soil Conservation Service Date

This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

Howard Soil Conservation District Date

APPROVED Department of Public Works for Storm Drainage Systems and Roads.

John J. Sapon 2/14/95
Chief, Land Development Division Date

John J. Sapon 2/14/95
Chief, Bureau of Engineering Date

APPROVED Department of Planning and Zoning

John J. Sapon 2/17/95
Chief, Division of Land Development and Research Date

STATE OF MARYLAND
REGISTERED LANDSCAPE ARCHITECT
NO. 236
Julie B. Higgins 1-9-95

HIGGINS • LAZARUS
LANDSCAPE ARCHITECTURE

6126 Chiquapin Parkway
Baltimore, MD 21239
410-323-4188 410-323-2583

LAND DESIGN ENGINEERING, INC.

8835 Columbia 100 Parkway, Unit N, Columbia, MD 21045
(410) 715-1070 (Batto.) (301) 595-3424 (Wash.) (410) 715-0681 (Fax)

| | | | |
|----------|----------|----------|-----------|
| DESIGNED | JBH | SCALE | A=5 SHOWN |
| DRAWN | JBH | DRAWING | 7 of 7 |
| CHECKED | | JOB NO. | |
| DATE | AUG 1994 | FILE NO. | F-95-19 |

LANDSCAPE PLAN
FOREST CONSERVATION PLAN
MARSHALEE WOODS
SECTION TWO AREA ONE

Owner/Developer
MARSHALEE WOODS LIMITED PARTNERSHIP
9835-P Columbia 100 Parkway
Columbia, Maryland 21045 (410) 730-0810

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