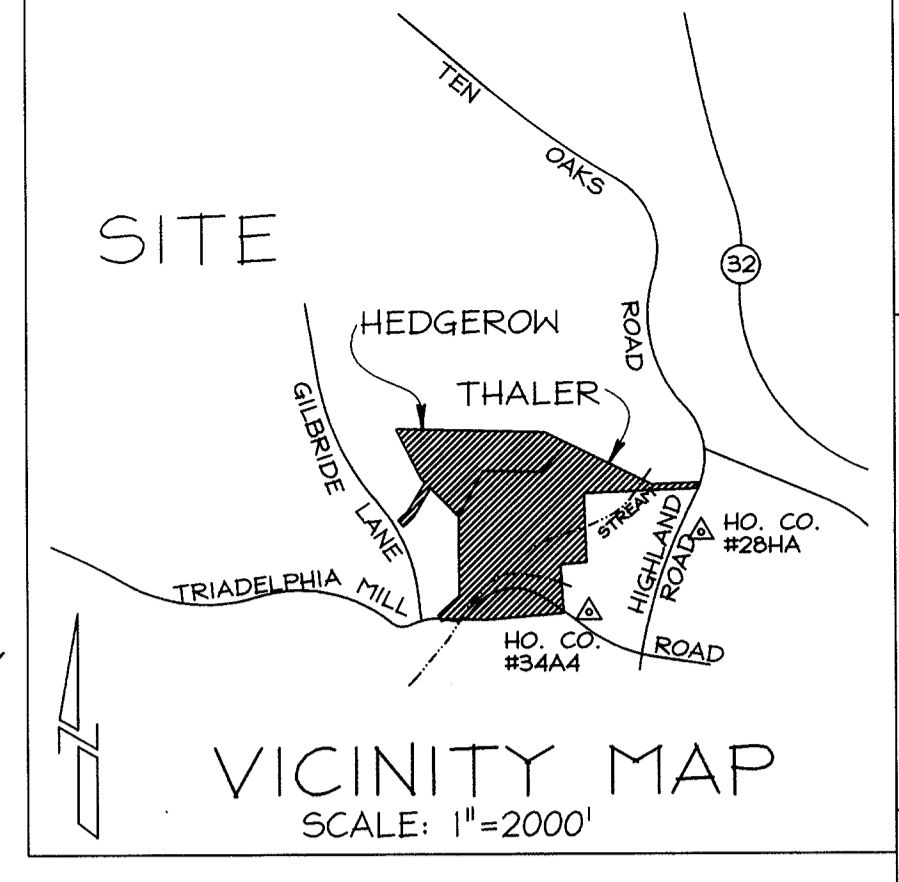


SURETY NOTE

Financial Surety for the required planting must be posted as part of the Developers Agreement on Thaler Estates in the amount of \$15,420.30 for 1.18 acres of required reforestation on Thaler Estates

EASEMENT RETENTION AREA TABULATION

MARK	NET TRACT	FLOODPLAIN	TOTAL AREA
FCE-2	2.081 Ac.	0.184 Ac.	2.265 Ac.
FCE-4	0.198 Ac.	0.851 Ac.	1.049 Ac.
FCE-5	0.0997 Ac.	N/A	0.0997 Ac.
FCE-7	0.0969 Ac.	N/A	0.0969 Ac.
FCE-8	6.771 Ac.	0.359 Ac.	7.130 Ac.
FCE-9	0.313 Ac.	N/A	0.313 Ac.
FCE-10	0.666 Ac.	N/A	0.666 Ac.



LEGEND

- AREA RETAINED FOR PURPOSES OF FOREST CONSERVATION WORKSHEET (NOT IN EASEMENT)
- FOREST CONSERVATION EASEMENT RETENTION AREA
- FOREST CONSERVATION EASEMENT RE/AFFORESTATION AREA
- FOREST CONSERVATION EASEMENT AFFORESTATION FOR HEDGEROW F-00-58
- TREE CONSERVATION SIGNAGE
- REFORESTATION / AFFORESTATION SIGNAGE
- SLOPES 25% OR GREATER
- SLOPES 15% TO 24.9%
- TREE PROTECTION FENCE SEE SHEET 2 FOR BLAZE ORANGE FENCE DETAIL

EASEMENT REFORESTATION/AFFORESTATION AREA TABULATION

MARK	NET TRACT	FLOODPLAIN	TOTAL AREA
FCE-1	0.236 Ac.	N/A	0.236 Ac.
FCE-3	0.877 Ac.	0.323 Ac.	1.200 Ac.
FCE-6	3.261 Ac.	N/A	3.261 Ac.

Forest Conservation Worksheet

Net Tract Area: _____ Acres 1/10

A. Total tract area = 46.22 AC
 B. Area within 100 year floodplain = 2.23 AC
 C. Area to remain in agriculture production = 0.00 AC
 D. Net tract area = 44.02 AC

Land Use Category (From Table 3.2.1, Page 40 Manual)

Input the number "1" under the appropriate land use zoning, and limit to only one entry RR zoning

ARA MDR IDA HDR MPD CIA
 0 1 0 0 0 0

E. Afforest threshold 20% x D = 8.80 AC
 F. Conservation threshold 50% x D = 22.01 AC

Existing Forest Cover:

C. Existing forest cover (excluding floodplain) = 11.93 AC
 H. Area of forest above afforestation threshold = 3.13 AC
 I. Area of forest above conservation threshold = 0.00 AC

Break-even Point:

J. Forest retention above threshold with no mitigation = 0.00 AC
 K. Clearing permitted without mitigation = 0.00 AC

Proposed Forest Clearing:

L. Total area of forest to be cleared = 0.59 AC
 M. Total area of forest to be retained = 11.34 AC

Planting Requirements:

N. Reforestation for clearing above conservation threshold > = 0.00 AC
 P. Reforestation for clearing below conservation threshold > = 1.18 AC
 Q. Credit for retention above conservation threshold = 0.00 AC
 R. Total reforestation required = 1.18 AC
 S. Total afforestation required = 0.00 AC
 T. Total reforestation and afforestation required for Thaler = 1.18 AC
 Estates F-00-59

U. Total afforestation required for Hedgerow Estates F-00-58 = 3.26 AC
 V. Combined total of 1.18 Thaler Estates reforestation & 3.26 Hedgerow Estates afforestation = 4.44 AC

FOREST CONSERVATION REQUIREMENTS

Forest Retention: 11.34 ACRES
 Hedgerow Afforestation Required: 3.26 ACRES
 Hedgerow Afforestation Provided: 3.26 ACRES
 Thaler Reforestation Required: 1.18 ACRES
 Thaler Reforestation Provided: 1.436 ACRES

Total On Site Reforestation and Afforestation Provided: 4.696 ACRES

REFORESTATION COST ESTIMATE: (For bonding purposes, only) - Developers Agreement on Thaler Estates
 THALER ESTATES (1.18 AC) \$400 SF x 0.30 = \$145,600.00
 HEDGEROW ESTATES (3.26 AC) 140,000 SF x 0.30 = \$42,600.00
 Total = \$188,200.00
 (to be bonded with F-00-58 Hedgerow Estates)

- FOREST PROTECTION NOTES**
- PRE-CONSTRUCTION ACTIVITIES**
1. Install blaze orange fence and retention signs before construction begins.
 2. Fencing shall be maintained in good condition and promptly repaired or restored as the situation warrants.
- CONSTRUCTION PHASE**
1. No disturbance or dumping is allowed inside the tree retention area.
 2. No equipment shall be operated inside the tree retention area including tree canopies.
 3. In the event of drought, the protected trees shall be monitored for signs of stress and watered as needed.
- POST-CONSTRUCTION ACTIVITIES**
1. At the direction of a qualified tree care expert, damages to retained trees shall be repaired by the contractor.
 2. Fence removal and stabilization shall be as per the sediment and erosion control plan.
 3. Signs are to remain for period of two years after recording the final plat.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE 8/15/09
[Signature] CHIEF, DIVISION OF LAND DEVELOPMENT DATE 8/15/09

OWNER \ DEVELOPER

Thaler Estates
 c/o Gregory B. Phillips
 ReMax Advantage Realty
 Suite 100
 8815 Centre Park Drive
 Columbia, Maryland 21045
 (410) 740-1200; Ext. 259

NOTE:

FOR SOILS INFORMATION REFER TO THE SOILS MAP ON SHEET "SP-1".



MARK ALAN STORCH
 RLA No. 878

FOREST CONSERVATION PLAN

THALER ESTATES
 LOTS 1, 2, 3 AND 4 (CEMETERY LOT)
 INCLUDES AFFORESTATION FOR HEDGEROW ESTATES (F-00-59)
 TAX MAP 28, GRID 20
 HOWARD COUNTY, MARYLAND

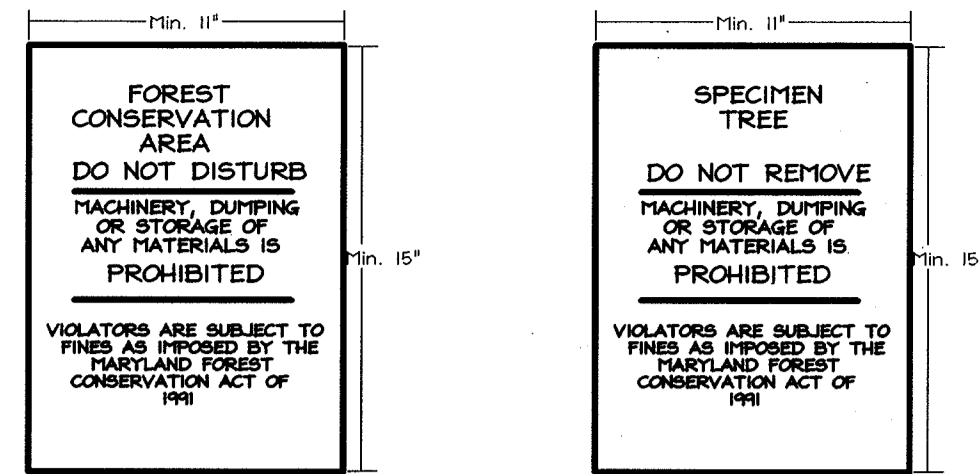
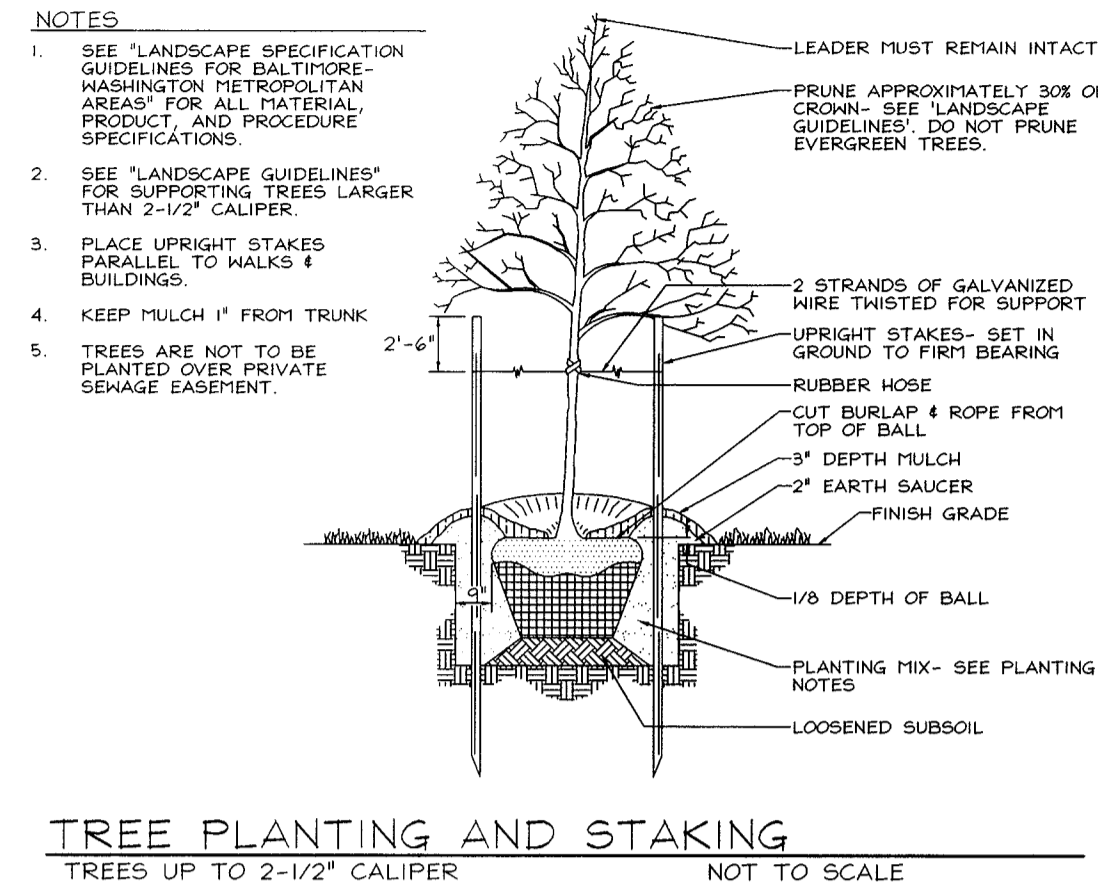
F-00-59

1"=100'
 06-15-00
 03-31-00

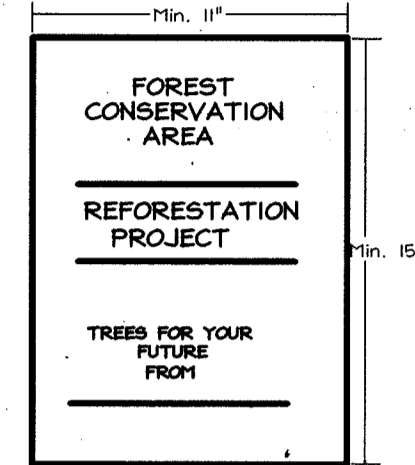
REVISIONS:
 10-16-99
 DATE:

JOB NUMBER:
FCP

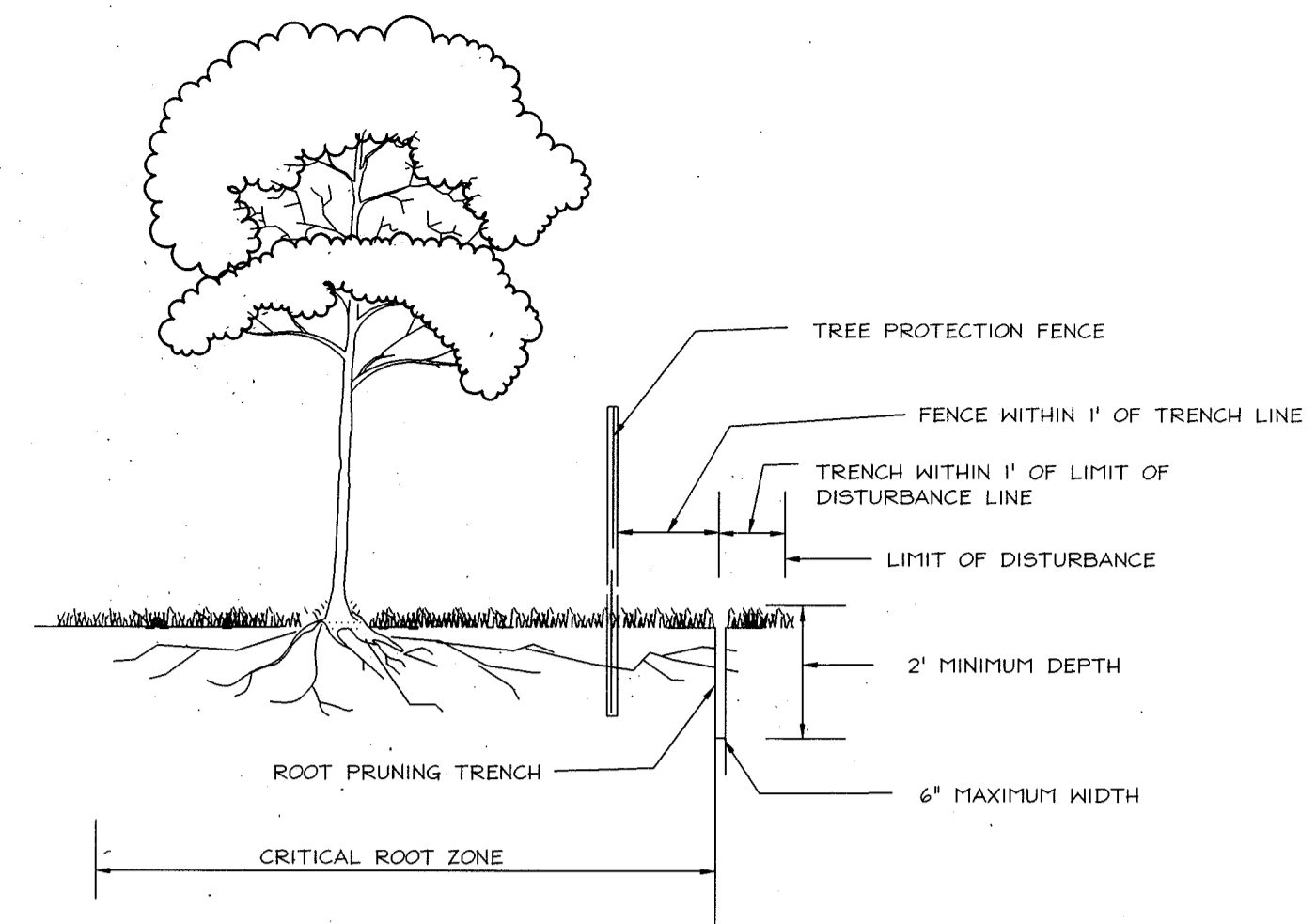
SHEET 1 of 2



- Note:**
- Bottom of signs to be higher than top of tree protection fence.
 - Signs to be placed approximately 100' feet apart. Conditions on site affecting visibility may warrant placing signs closer or farther apart.
 - Attachment of signs to trees is prohibited.



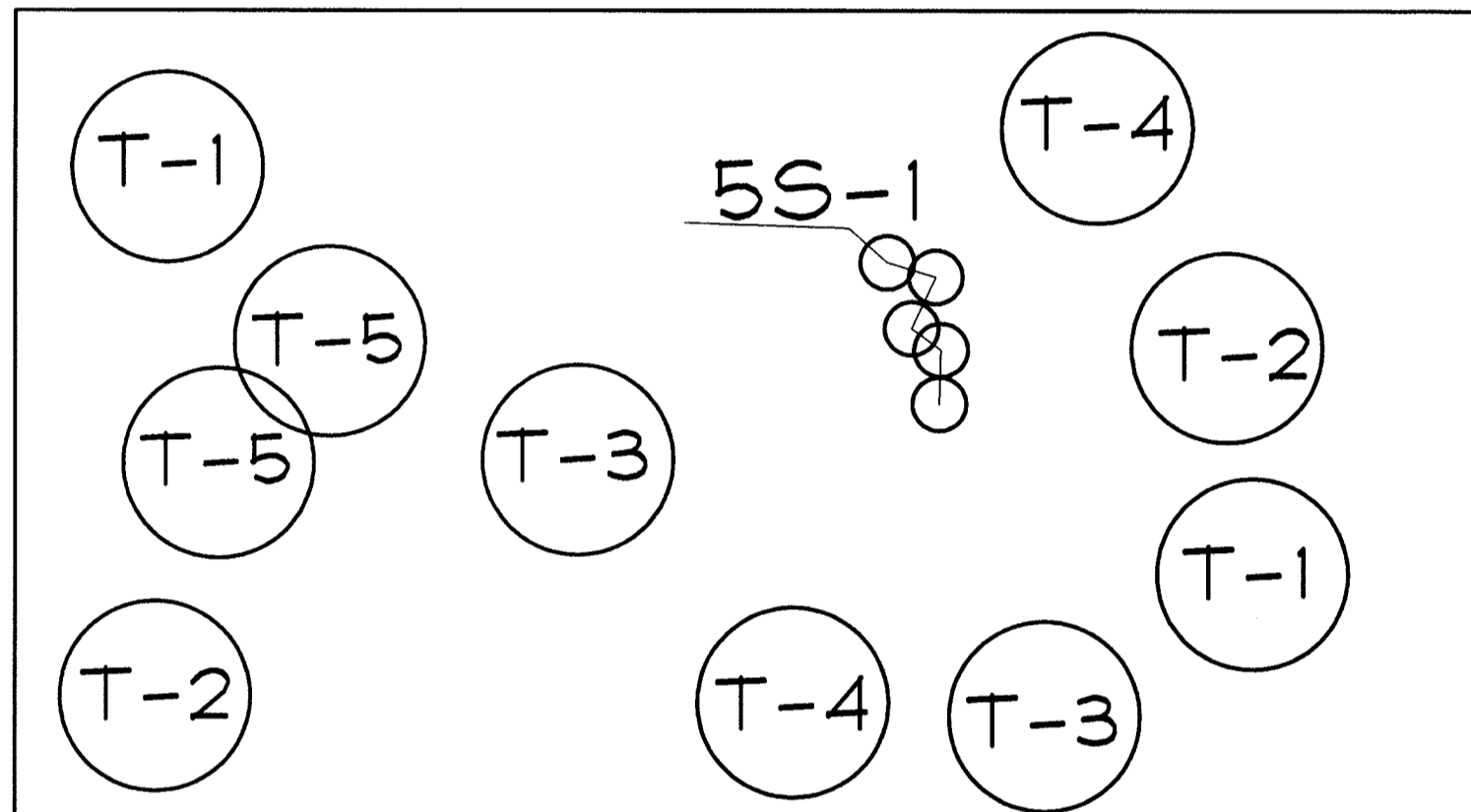
- Note:**
- The signs notify construction workers and future residents of the newly planted material, improving the trees' survival rates.
 - Signs may be adapted by residents for identification of forest retention areas in long term.



- NOTES:**
- Retention Areas to be established as part of the forest conservation plan review process.
 - Boundaries of Retention Areas to be staked, flagged and/or fenced prior trenching.
 - Exact location of trench should be identified.
 - Trench should be immediately backfilled with soil removed or organic soil.
 - Roots should be cleanly cut using vibratory knife or other acceptable equipment.

ROOT PRUNING

- NOTES:**
- RANDOMLY SPACE SEEDLINGS / WHIPS SO THAT NO MORE THAN 5 OF ANY PARTICULAR SPECIES ARE PLANTED IN SUCCESSION. PLANT 1" CAL TREES AROUND PERIMETER OF REFORESTATION AREA.
 - ALL PROPOSED PLANT MATERIAL TO BE NATIVE PLANT SPECIES. NO ORNAMENTAL CULTIVARS TO BE USED.
 - REFORESTATION MANAGEMENT RECORDS SHOULD BE KEPT FOR HOWARD COUNTY REVIEW.
 - YEAR 1: INSPECT TREES FOR HEALTH AND VIGOR AT: A. BEGINNING OF GROWING SEASON, B. MIDSUMMER AND C. FALL. ADJUST WATERING, PEST CONTROL, WEEDING AND FEEDING AS NEEDED. AFTER ONE-YEAR REPLACE ANY TREES THAT DID NOT SURVIVE DURING THE NEXT PLANTING SEASON.
 - YEAR 2: INSPECT TREES FOR HEALTH AND VIGOR IN APRIL & OCTOBER. ADJUST WATERING, PEST CONTROL, WEEDING AND FEEDING AS NEEDED. REPLACE ANY TREES THAT DID NOT SURVIVE YEAR 2 DURING THE NEXT PLANTING SEASON UP TO 50% OF ORIGINAL INSTALLATION.
 - CONTRACTOR TO FOLLOW ALL STATE AND COUNTY GUIDELINES FOR AFFORESTION & REFORESTATION.



TYPICAL RANDOM PLANT SPACING DETAIL & CHART

- NOTE:**
- Plant mix to be 1/3 pioneer & 2/3 mid to late successional species
 - Plant larger stock and evergreens around perimeter to protect interior smaller stock.
 - When shrubs are specified, plant them in clusters
 - Do not plant trees in a grid pattern.

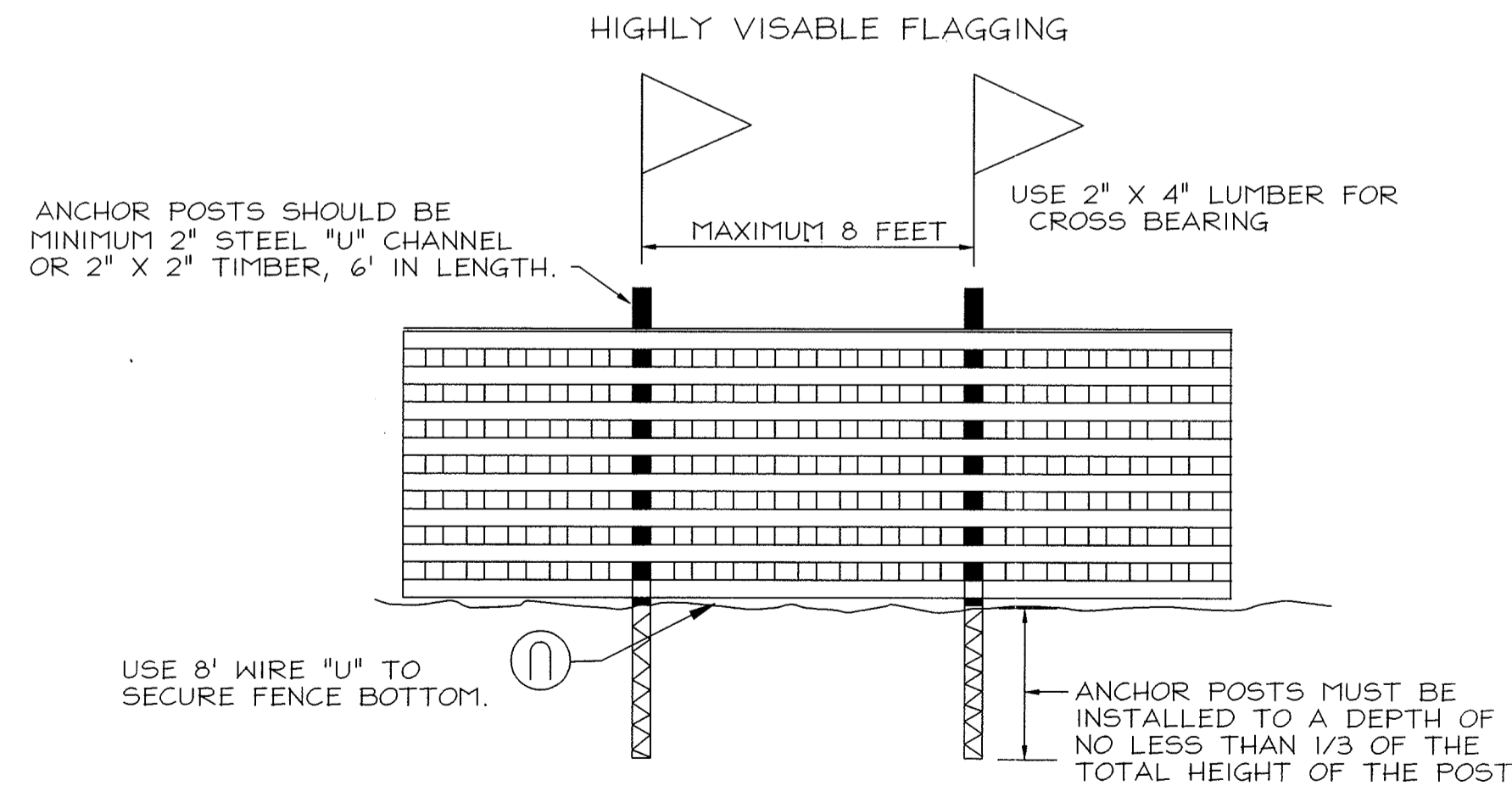
DENSITY CHART

SIZE	QTY. PER ACRE	AVERAGE SPACING
2" CALIBER	100	20'x20'
1" CALIBER	200	15'x15'
WHIPS	350	11'x11'
SEEDLINGS	700	8'x8'

FOREST CONSERVATION AREA SIGNS

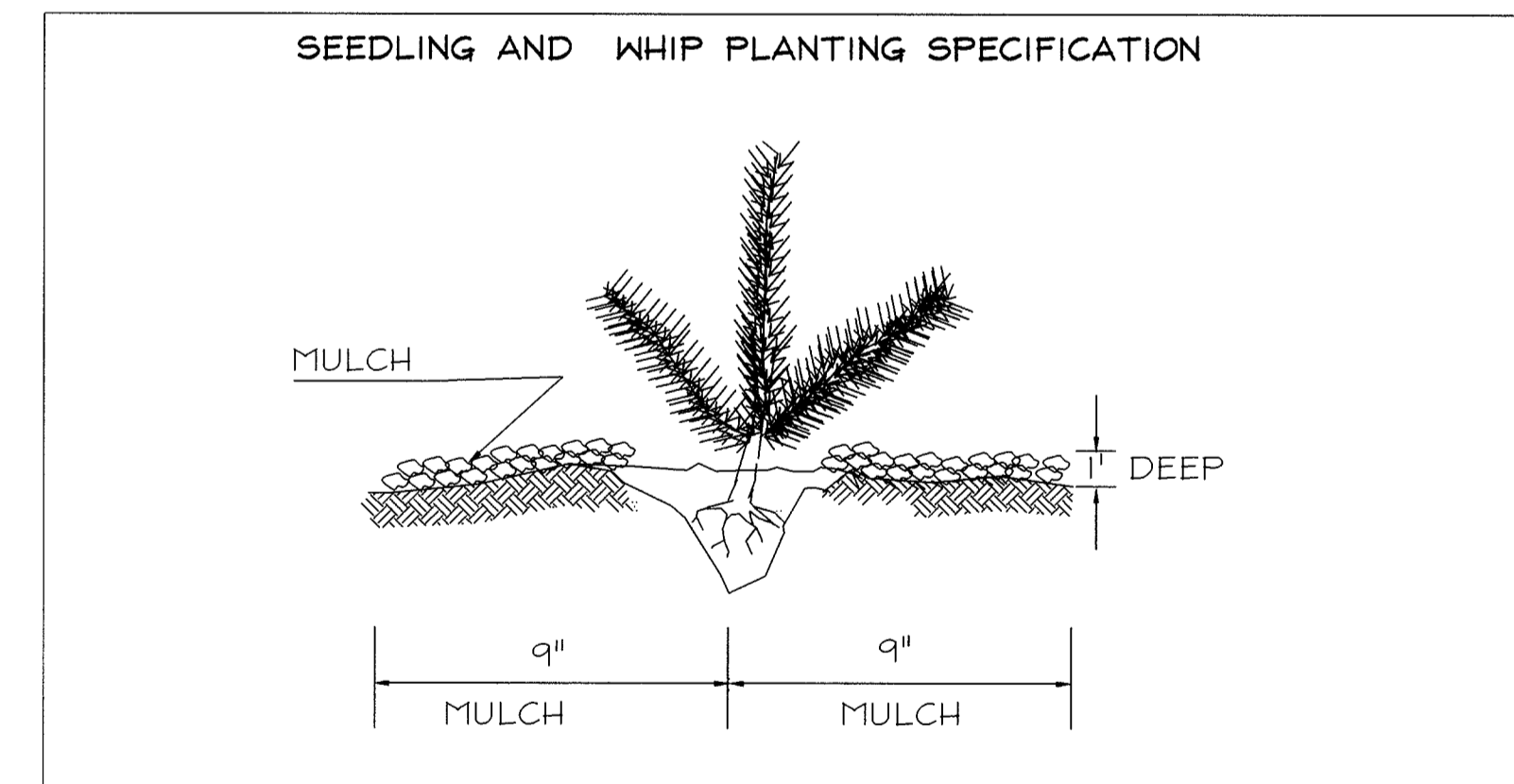
THALER ESTATES PLANT SCHEDULE			
QUAN.	BOTANICAL NAME	SIZE	ACRES
44	Acer Rubrum Red Maple	1" Cal.	0.22
175	Acer Rubrum Red Maple	Seedlings	0.25
175	Platanus occidentalis Sycamore	Seedlings	0.25
175	Prunus serotina Black Cherry	Seedlings	0.25
175	Quercus palustris Pin Oak	Seedlings	0.25
154	Sassafras albidum Sassafras	Seedlings	0.22

HEDGEROW ESTATES PLANT SCHEDULE			
QUAN.	BOTANICAL NAME	SIZE	ACRES
86	Acer Rubrum Red Maple	1" Cal.	0.43
420	Acer Rubrum Red Maple	Seedlings	0.6
420	Platanus occidentalis Sycamore	Seedlings	0.6
420	Prunus serotina Black Cherry	Seedlings	0.6
420	Quercus palustris Pin Oak	Seedlings	0.6
301	Sassafras albidum Sassafras	Seedlings	0.43



- NOTES:**
- Forest protection device only.
 - Retention areas have to meet as part of the review process.
 - Boundaries of retention area should be staked and flagged prior to installing device.
 - Root damage should be avoided.
 - Protection signage should be used.
 - Device should be maintained throughout construction.

BLAZE ORANGE PLASTIC MESH TYPICAL TREE PROTECTION FENCE DETAIL
NO SCALE



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APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE 8/11/00

 CHIEF, DIVISION OF LAND DEVELOPMENT DATE 8/15/00



MARK ALAN STORCH
RLA No. 871

FOREST CONSERVATION PLAN

THALER ESTATES
LOTS 1, 2, 3 AND 4 (CEMETERY LOT)
INCLUDES AFFORESTATION FOR HEDGEROW ESTATES (F-00-59)
TAX MAP 26, GRID 20
HOWARD COUNTY, MARYLAND

F-00-59

SCALE: 1"=100'

06-15-00
03-31-00

REVISIONS:
10-16-99

DATE:

JOB NUMBER:
FCP

SHEET 2 OF 2

F-00-59