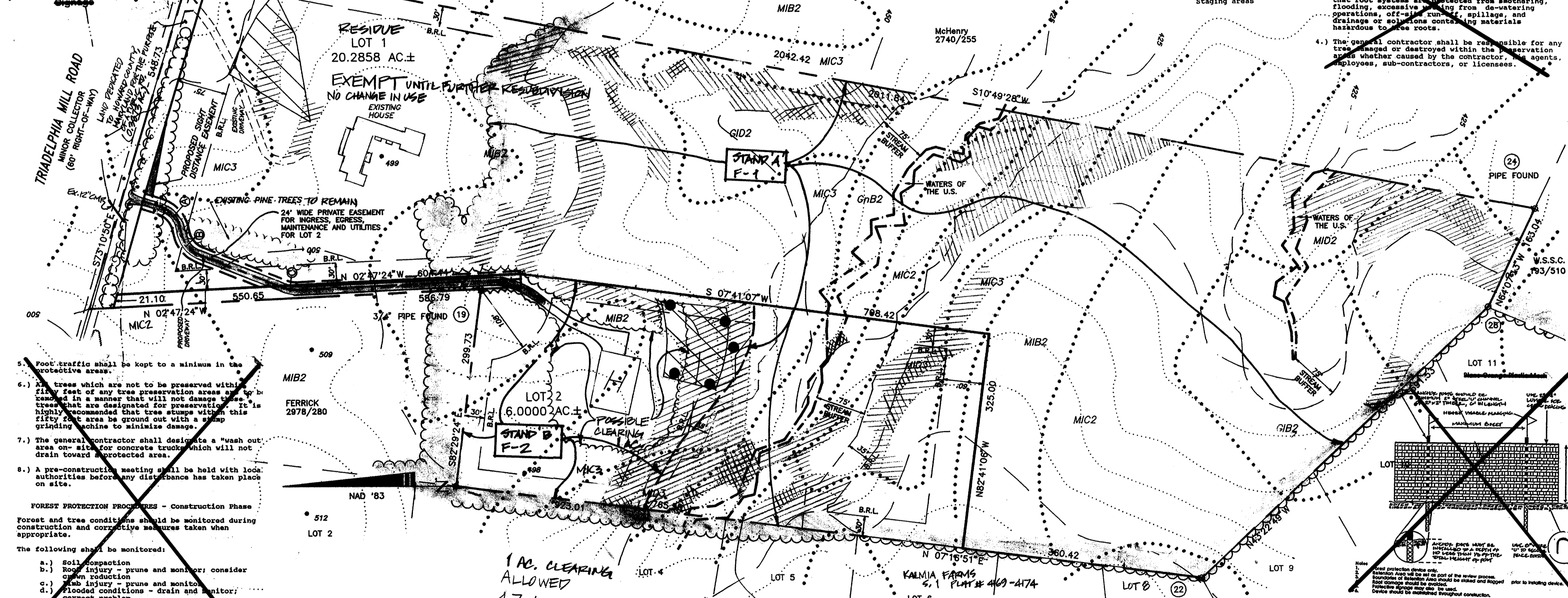
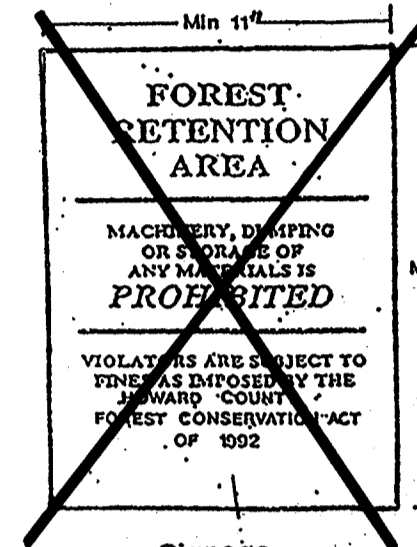


- NOTES:
- ALL SURROUNDING PROPERTIES ARE ZONED RR-DEO
 - DESIGNATES SOIL TYPE BOUNDARY
 - DESIGNATES EXISTING WOODS LINE
 - DESIGNATES APPROVED SEPTIC AREA
 - DESIGNATES 15% - 24.0% SLOPES
 - DESIGNATES SLOPES 7-25%
 - DESIGNATES POSSIBLE FUTURE HOUSE SITE



- Root traffic shall be kept to a minimum in the protective areas.
 - Trees which are not to be preserved within 75 feet of any tree preservation areas shall be removed in a manner that will not damage trees that are designated for preservation. It is highly recommended that tree stumps within this fifty foot area be ground out with a stump grinding machine to minimize damage.
 - The general contractor shall designate a "wash out" area on site for concrete trucks which will not drain toward a protected area.
 - A pre-construction meeting shall be held with local authorities before any disturbance has taken place on site.
- FOREST PROTECTION PROCEDURES - Construction Phase
- Forest and tree conditions should be monitored during construction and corrective measures taken when appropriate.
- The following shall be monitored:
- Soil compaction
 - Root injury - prune and monitor; consider crown reduction
 - Trunk injury - prune and monitor
 - Flooded conditions - drain and monitor; correct problem
 - Drought conditions - water and monitor; correct problem
 - Other stress signs - determine reason; correct, and monitor.

~~FOREST PROTECTION PROCEDURES - Preconstruction Phase~~

~~Stress Reduction and Protection of Specimen Trees Isolated from Forest Retention Areas and General Forest Retention Areas (As They May Apply)~~

~~Isolated specimen trees that are to be preserved will be examined to determine if stress reduction techniques are needed. Protective measures and their evaluation criteria are provided on this plan only if they are employed herein.~~

~~Root Pruning~~

~~Will the critical root zone be affected by construction activities such as grade changes, digging for foundations and roads or utility installation.~~

~~Evaluation Criteria~~

~~Will construction activities alter the hydrology of the site? Has or will root pruning occur.~~

~~Design Consideration~~

- Prune prior to construction as shown on the plan (see Figure "Root Pruning Details").
- Prune root zone a clean cut using proper pruning equipment such as a vibratory knife.
- Exact location of pruning trench should be identified, and immediately back-filled to cover exposed roots after pruning with soil removed other than soil, peat moss, or other suitable material or other high organic soil.
- For trees over 12" in diameter, root pruning may be done up to one year in advance of construction.
- Tree(s) will be monitored for signs of stress.

~~Crown Reduction or Pruning~~

~~Evaluation Criteria~~

~~Has the root system been significantly reduced (>30% or are these dead, damaged, or diseased limbs.~~

~~Design Considerations~~

- Reduce only at specified times of the year: flowering trees - only after flowering and before bud set; non-flowering trees - in late winter, early spring or mid-summer.
- No more than 1/3 of the crown should be removed at one time using acceptable pruning methods (see Figure "Crown Reduction Details").
- Monitor for signs of stress.

~~Watering~~

~~Evaluation Criteria~~

~~Will construction activities alter the hydrology of the site? Has or will root pruning occur.~~

~~Design Considerations~~

- Water only if necessary.
- Monitor for signs of stress (see Figure "Tree Planting and Maintenance Calendar").

~~Fertilizing~~

~~Evaluation Criteria~~

~~Are or will the tree(s) be under stressful conditions? Has or will root pruning occur?~~

~~Design Considerations~~

- Use low nitrogen and slow release fertilizers.
- Apply in late fall or early spring (see Figure "Tree Planting and Maintenance Calendar").
- For small trees (<2" in diameter), use broadcast method.
- For larger trees (>2" in diameter), use punch hole method or pressurized injection method (see Figure "Application of Fertilizers by Injection").
- Do not apply fertilizer any closer than 3' from trees trunk for pressurized injection method.
- Monitor for signs of stress.

~~Delimitation of the Critical Root Zone~~

~~Calculation of the CRZ for Isolated Specimen Trees:~~

~~1.5 feet of protective radius per inch of DBH~~

~~Redil for the respective areas found on the site are set forth in the table and elsewhere on this plan.~~

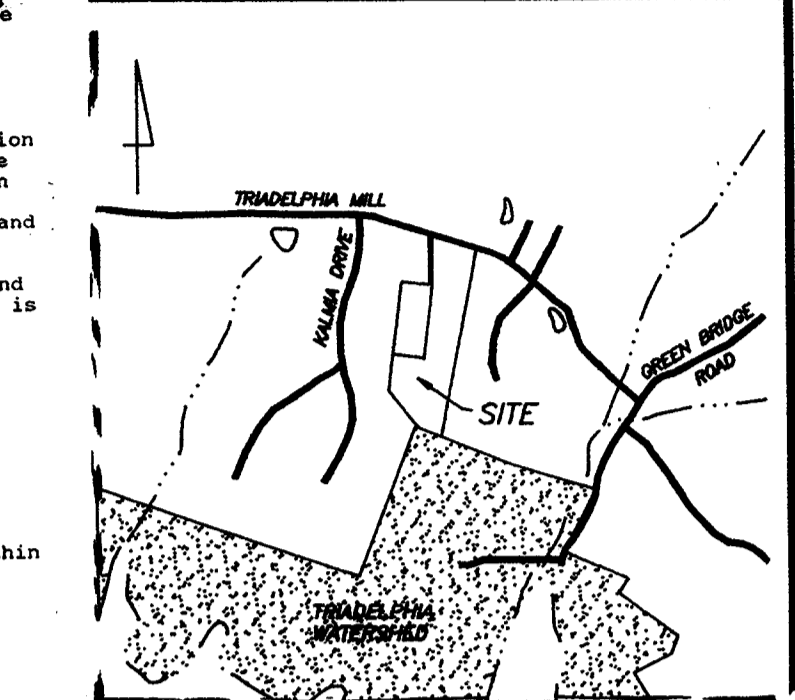
~~Protection of the Critical Root Zone~~

~~Upon determining the CRZ, blast orange protective fencing (see Figure "Protective Fencing") shall be erected one foot from the limits of the CRZ so as to completely surround the tree or trees to be protected. No disturbance, storage, parking, or alteration of drainage of any kind shall be permitted within the CRZ Protective Area except prior allowed root pruning.~~

~~Signs Designating a Specimen Tree Protective Area shall be placed in the protective fencing at a minimum interval of 25 feet (see Figure "Signage"). No signs are to be attached to the specimen tree itself.~~

~~FOREST PROTECTION PROCEDURES - Preconstruction Phase~~

- The edge of the woods to be protected will be marked (staked or flagged) in the field per the limits of disturbance shown in the approved site development plan prior to the start of construction activities. All areas within protective fences are to be considered "off limits" to any construction activities. The protective fencing will be installed at the outside edge of forested areas and specimen trees to be retained and should be combined with sediment control devices when possible. The limit of the critical root zone and therefore the location of the protective devices is to be determined as follows:
 - Isolated Specimen Trees - 1.5 feet of protective radius per inch of DBH
 - Edge of Forested Area - 1 foot of protective radius/inch of DBH or an eight foot protective radius, whichever ever is greater.
- Construction activities expressly prohibited within the preservation areas are:
 - Placing or stockpiling backfill or top soil in protected areas.
 - Falling trees into protected areas.
 - Driving construction equipment into or through protected areas.
 - Burning in or in close proximity to protected areas.
 - Staking or storing supplies of any kind.
 - Concrete wash-off areas.
 - Conducting trenching operations.
 - Grading beyond the limits of disturbance.
 - Leaving vehicles or construction equipment.
 - Removal of root mat or topsoil.
 - Signs and construction of:
 - Utility lines
 - Access roads
 - Temporary surrages
 - Stormwater management devices
 - Staging areas



VICINITY MAP
SCALE: 1"=2000'

- Protective fencing (see Figure "Protective Fencing") shall be the responsibility of the general contractor. The general contractor shall affix signs to the fencing at 25' signage intervals indicating that these areas are "Forest Retention Area" or "Specimen Trees" (see Figure "Signage"). The general contractor shall take great care to assure the fencing is not violated and that root systems are protected from smothering, flooding, erosion, damage from de-watering operations, off-site runoff, spillage, and drainage of soils containing materials hazardous to the roots.
- The general contractor shall be responsible for any trees damaged or destroyed within the preservation areas whether caused by the contractor, its agents, employees, sub-contractors, or licensees.

1 AC. CLEARING ALLOWED
4.7 AC. EXISTING FOREST TO BE RETAINED ON LOT 2

~~FOREST PROTECTION PROCEDURES - Post-Construction Phase~~

~~The following measures shall be taken:~~

- Corrective measures if damage were incurred due to negligence:
 - Stress reduction
 - Removal of dead or dying trees. This may be done only if trees pose an immediate safety hazard.
- A County official shall inspect the entire site.

2.) Removal of temporary structures:

- No burial of discarded materials will occur on-site within the conservation area.
- No open burning within 100 feet of a wooded area.
- All temporary forest protection structures will be removed after construction.
- Remove temporary roads by removing stone or broadcasting mulch. Pre-construction elevation should be maintained.
- Aerate compacted soil.
- Replant disturbed sites with trees, shrubs and/or herbaceous plants.
- Retain signs for retention areas or specimen trees.
- A County official shall inspect the entire site.

THOMPSON PROPERTY
December 21, 2000

ACRES (1/10 acre)	ACRES
BASIC SITE DATA	
GROSS SITE AREA	247.1
AREA WITHIN 100 YEAR FLOODPLAIN	243.3
AREA WITHIN AGRICULTURAL USE OR PRESERVATION PARCEL (IF APPLICABLE) RESERVE LOT 1	6.8
NET TRACT AREA	6.8
LAND USE CATEGORY (R-R1D, R-RMD, R-S, C/O, D)	RR-DEO
II. INFORMATION FOR CALCULATIONS	
NET TRACT AREA	4.4
REFORESTATION THRESHOLD (50 % x A)	3.3
AFORRESTATION MINIMUM (.20 % x A)	1.28
EXISTING FOREST ON NET TRACT AREA	5.1
FOREST AREAS TO BE CLEARED	1.0
FOREST AREAS TO BE RETAINED	4.7 (LOT 2)
B.E.P. = 5.7 acres	

FOREST CONSERVATION PLAN
LOTS 1 & 2
CARL THOMPSON PROPERTY
L. 988, F. 570
FIFTH ELECTION DISTRICT, HOWARD COUNTY, MD
T-X MAP 27 P-RCEL 6C
ZONED: RR-DEO
SCALE: 1"=100'
DECEMBER 13, 2000 REV. 10/25/2001
SHEET 1 OF 1
8551FCP.DWG

APPROVED: DEPARTMENT OF PUBLIC WORKS
Andrew M. Daniels 11-15-01
CHIEF, BUREAU OF HIGHWAYS HS DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Cindy Hamner 1/26/01
CHIEF, DIVISION OF LAND DEVELOPMENT JA DATE

John D. ... 4/19/01
CHIEF, DEVELOPMENT ENGINEERING DIVISION MR DATE

SHANABERGER & LANE
8726 TOWN & COUNTRY BLVD
SUITE 201
ELLCOTT CITY, MD 21043
(410) 461-9563

DENNIS J. LIBARE, M.S., & ASSOCIATES
Environmental Consulting Services, Inc.
3943 Flagstone Circle
Hollywood, MD 21133

Welland Delineations & Mitigation
Stream Assessment & Restoration
Water Quality Monitoring
Macroinvertebrate Taxonomy
Forest Stand Delineations
Forest Conservation Plans

Dennis J. Libare
Qualified Professional, MDPCA
11/14/01 (410) 922-7476

FOREST CONSERVATION PLAN
CARL THOMPSON PROPERTY
ZONED: RC-DEO
5TH ELECTION DIST. HOWARD CO., MD.
SCALE AS SHOWN DATE: 10/25/2001 1 OF 1

OWNERS/DEVELOPERS
OWNERS:
CARL AND SALLY THOMPSON
14905 TRIADAPLHIA MILL RD
DAYTON, MD 21036

DEVELOPER:
JOSEPH BROWN
2837 LEAFHARTE DR.
ELLCOTT CITY, MD 21042

SHANABERGER & LANE
8726 TOWN & COUNTRY BLVD.
SUITE 201
ELLCOTT CITY, MD., 21043
(410)-461-9563