



- F** FOREST
- H** HEDGEROW
- AG** AGRICULTURE
- L** LAWN
- RETENTION AREA
- SOILS LINE
- EkB2** SOILS SYMBOL

SOIL TYPE	SYMBOL	LAND CAPABILITY	RESTRICTED?	Kw	SLOPE %	HYDRIC?	HYDROLOGIC SOIL GROUP
Chester Silt Loam	ChA	I-4	NO	≤.35	0-3%	NO	B
Chester Silt Loam	ChB2	II-E-4	NO	≤.35	3-8%	NO	B
Eliok Silt Loam	EkB2	II-E-4	NO	≤.35	3-8%	NO	B

EXHIBIT 3-2
FOREST STAND ANALYSIS TABLE
Applicant: Malcom W. & Daisy W. Ewell Project Name: Ewell Property Submission No.

KEY	A. TYPE OF COMMUNITY	B. AREA (1/10 Acre)	C. SOIL INFORMATION**			D. EXISTING VEGETATION (Dominant Species and Approx. %)			E. STAND CHARACTERISTICS			F. FOREST AREA IN SENSITIVE ENVIRONMENTS (Acres)	G. HABITAT VALUE
			1. Soil Types	2. Typical forest cover for soil type	3. Woodland Suitability Index	1. Size (Diam)	2. Age	3. General Conditions					
F1	Pine Plantation	0.8328 AC±	ChB2	Mixed Oaks	30	Various pines	2-5.9	10-15	GOOD	0 AC±	GOOD		
F2	Early Successional	1.5655 AC±	EkB2	Mixed Oaks	30	Maple	2-5.9	10-15	Average	0 AC±	Average		

*AREA MEASURED TO THE NEAREST 1/10 ACRE
** SOURCE: HOWARD COUNTY SOIL SURVEY, USDA

Forest Conservation Worksheet

Note: Use 0 for all negative numbers that result from the calculations

Net Tract Area
 A. Total Tract Area = 7.0258
 B. Deductions (Critical Area, area restricted by local ordinance or program) = 0.0000
 C. Net Tract Area = Total Tract Area (A) - Deductions (B) = 7.0258

Land Use Category: MDR
 D. Afforestation Threshold (Net Tract Area [C] * 20%) = 1.4052
 E. Conservation Threshold (Net Tract Area [C] * 25%) = 1.7565

Existing Forest Cover
 F. Existing Forest Cover within the Net Tract Area = 1.5655
 G. Area of Forest Above Conservation Threshold = 0.0000
 If the Existing Forest Cover (F) is greater than the Conservation Threshold (E), then G = F - E, Otherwise G = 0

Breakeven Point
 H. Breakeven Point (Amount of forest that must be retained so that no mitigation is required)
 (1) If the Area of Forest Above the Conservation Threshold (G) is greater than 0, then H = (0.2 * the Area of Forest Above Conservation Threshold (G)) + the Conservation Threshold (E);
 (2) If the Area of Forest Above the Conservation Threshold (G) is equal to 0, then H = Existing Forest Cover (F)

Forest Clearing Permitted Without Mitigation
 I = Existing Forest Cover (F) - Breakeven Point (H) = 0.0000

Net Tract Area
 J. Total Area of Forest to be Cleared = 0.0000
 K. Total Area of Forest to be Retained = Existing Forest Cover (F) - Forest to be Cleared (J) = 1.5655

Planting Requirements
 If the Total Area of Forest to be Cleared (K) is greater than the Breakeven Point (H), no planting is required and no further calculations are necessary (L=0, M=0, N=0, P=0);
 Otherwise, calculate the planting requirement(s) as follows:
 L. Reforestation for Clearing Above the Conservation Threshold
 (1) If the Total Area of Forest to be Retained (K) is greater than the Conservation Threshold (E), then L = the Area of Forest to be Cleared (J) * 0.25;
 (2) If the Forest to be Retained (K) is less than or equal to the Conservation Threshold (E), then L = Area of Forest Above Conservation Threshold (G) * 0.25
 M. Reforestation for Clearing Below the Conservation Threshold
 (1) If Existing Forest Cover (F) is greater than the Conservation Threshold (E) and the Forest to be Retained (K) is less than or equal to the Conservation Threshold (E), then M = 2.0 * (Conservation Threshold [E] - Forest to be Retained [K])
 (2) If Existing Forest Cover (F) is less than or equal to the Conservation Threshold (E), then M = 2.0 * Forest to be Cleared (J)
 N. Credit for Retention Above the Conservation Threshold
 If the Area of Forest to be Retained (K) is greater than the Conservation Threshold (E), then N = K - E
 P. Total Reforestation Required P = L + M - N = 0.0000
 Q. Total Afforestation Required
 If Existing Forest Cover (F) is less than the Afforestation Threshold (D), then Q = Afforestation Threshold (D) - Existing Forest Cover (F) = 0.0000
 R. Total Planting Requirement R = P + Q = 0.0000

- FOREST CONSERVATION NOTES:**
- The number of trees in the existing woods exceeds the 100 stem per acre threshold as defined in the Forest Conservation Manual.
 - There is no 100 year floodplain on-site per FEMA Map, Community Panel No. 240044 0009B.
 - A preconstruction meeting is to be arranged as follows:
 After the boundaries of the limits of disturbance have been staked and flagged and the forest protection devices have been installed, and before any disturbance has taken place on site, a preconstruction meeting at the construction site shall take place. The developer, contractor or project manager, and appropriate local inspectors should attend. The purpose of this meeting will be to:
 A. Identify the locations of the forest retention areas, specimen trees, limits of construction, employee parking areas, and equipment staging areas on site plans.
 B. Inspect all flagged boundaries, protection devices, and Sediment and Erosion control devices on site.
 C. Make all necessary adjustments.
 D. Assign responsibilities as appropriate and discuss penalties.
 - This plan is for site afforestation, reforestation, tree protection and conservation measures only.
 - All contractors performing work on this site shall notify "Miss Utility" 48 hours prior to any construction or grading by calling 1-800-257-7777 for the location of all utilities.
 - The contractors performing work on the site are responsible for protecting existing native and non-invasive plantings during construction.
 - Stabilize all disturbed areas as directed by inspectors.
 - For tree pruning and care methods please refer to the National Arborist Standards, latest edition.
 - The residue Lot 2 was excluded from the forest conservation calculations and requirements with this subdivision plot, however, upon further resubdivision of the lot, then separate forest conservation calculations and requirements will be provided based on its acreage size.
 - Forest Conservation requirements per Section 16.1202 of the Howard County Code and Forest Conservation Act for this subdivision have been fulfilled through the forest retention credit of 1.5655 acres of existing forest located on Lot 1 in accordance with the adopted DPZ Policy date May 11, 1999, for residential lots greater than 60,000 sq. ft.

Colburn 11/23/06
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

[Signature] 11/23/06
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

DATE: 7/17/06 REVISIONS: COMMENTS 6/23/06
 9/21/06 COMMENTS 9/13/06

**FOREST STAND DELINEATION/
FOREST CONSERVATION PLAN
EWELL PROPERTY**

LIBER 6132 FOLIO 197
 SITUATED ON UNDERWOOD ROAD
 ELECTION DISTRICT No. 3
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' NOVEMBER, 2005

OWNERS: MALCOLM W. EWELL
 DAISY W. EWELL
 1251 UNDERWOOD ROAD
 SKYVILLE MD. 21784
 410-442-1091

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11-9-06

F-06-206