

NATURAL RESOURCE INVENTORY/FOREST STAND DELINEATION NOTES

- TOTAL SITE AREA - 8.17 ACRES (355,982 S.F.) AND CONSISTS OF PARCELS P356, P357, P411, P454, P456, P457, P462, P464, P509, PARCEL F, & LOT 1. PROPERTY IS LOCATED ASHTON RD. & NEW HAMPSHIRE AVE.
- 2' CONTOUR TOPOGRAPHY SURVEYED BY THIS OFFICE.
- BOUNDARY INFORMATION FROM DEEDS AND PLATS OF RECORD IN MONTGOMERY COUNTY.
- SOILS ON-SITE ARE MAPED AS GLENELG SILT LOAM (MAPPING UNIT 2B), GALLA SILT LOAM (MAPPING UNIT 1C) AND BAILE SILT LOAM (MAPPING UNIT 6A) ACCORDING TO SHEET 14 OF THE SOIL SURVEY OF MONTGOMERY COUNTY ISSUED JULY 1995.
- THE PROPERTY IS ZONED C1 (LOCAL CONVENIENCE RETAIL), R-60 (HIGH DENSITY RESIDENTIAL), AND RC (RURAL CONSERVATION) ACCORDING TO MDCPC'S "SANDY SPRING/ASHTON MASTERPLAN".
- THE SITE DRAINS TO A TRIBUTARY OF LOWER PATUXENT RIVER. THIS PORTION OF THE LOWER PATUXENT RIVER WATERSHED IS DESIGNATED AS CLASS IV-P WATERS BY THE STATE OF MARYLAND. SITE IS IN PATUXENT PRIMARY MANAGEMENT AREA (PMA). THERE ARE NO MAPPED MDCPC OR FEMA 100-YEAR FLOODPLAINS.
- THERE ARE WETLANDS, A STREAM, AND A SPRING ON SITE. AN EXPANDED STREAM VALLEY BUFFER IS SHOWN TO COINCIDE WITH A 40-FOOT WETLAND BUFFER. 0.98 ACRES OF THE WETLANDS ARE FORESTED, AND 0.66 ACRES OF THE STREAM VALLEY BUFFER ARE FORESTED. WETLANDS WERE DELINEATED BY BIOTA, INC. NR14-06289 AND #4-04321. NOTE REFER TO NRI/FSD #4-941390.
- ALL UTILITIES (WATER, SEWER, STORM DRAIN, CULVERTS, ELECTRIC, PHONE) ARE SURVEY LOCATED.
- THERE IS 0.81 ACRES OF FOREST ON SITE. THE SIGNIFICANT TREES ON SITE ARE WHITE PINES (Pinus strobus), TULIP POPLAR (Liriodendron tulipifera), MULBERRY (Morus spp.), SILVER MAPLE (Acer saccharinum), WHITE ASH (Fraxinus americana), RED MAPLE (Acer rubrum), AND BLACK CHERRY (Prunus serotina). THE UNDERSTORY OF THE TREE STAND IS COMPOSED OF WHITE ASH (Fraxinus americana), NORWAY MAPLE (Acer platanoides), MULBERRY (Morus spp.), AND BLACK LOCUST (Robinia pseudoacacia).
- THE PROPERTY IS NOT LISTED AS A HISTORIC SITE BY M-NCPPC'S "LOCATIONAL ATLAS & INDEX OF HISTORIC SITES IN MONTGOMERY COUNTY MARYLAND". THE PROPERTY IS NOT LISTED AS A HISTORIC SITE NOR IS IT LOCATED WITHIN A HISTORIC DISTRICT ACCORDING TO M-NCPPC'S "PLACES FROM THE PAST: THE TRADITION OF GARDEN BLEN IN MONTGOMERY COUNTY, MARYLAND 2001". NO STRUCTURE OR EVIDENCE SUGGESTING HISTORICAL OR ARCHAEOLOGICAL SIGNIFICANCE WAS OBSERVED DURING SITE INVESTIGATION.
- INDIVIDUAL TREE LOCATIONS ARE SURVEY LOCATED. TREES WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE (LOD) SHALL BE FIELD LOCATED BY SURVEYORS AT THE TIME OF THE PRELIMINARY FOREST CONSERVATION PLAN (PFCP).
- FIELDWORK FOR THIS INVENTORY WAS CONDUCTED ON 8/28/07.
- NO RARE, THREATENED OR ENDANGERED SPECIES WERE OBSERVED ON-SITE.
- THIS INVENTORY IN NO WAY CONSTITUTES A HAZARD RISK SURVEY. TREE CONDITIONS ARE GENERALLY ACCURATE BASED ON VISUAL OBSERVATION PER USUAL AND CUSTOMARY PRACTICE IN ACCORD WITH STATE AND COUNTY FOREST CONSERVATION LEGISLATION. THE EXAMINATION DETAIL REQUIRED TO PROVIDE A COMPREHENSIVE ANALYSIS OF BIOLOGICAL AND STRUCTURAL HEALTH IS BEYOND THE SCOPE OF THIS INVESTIGATION. CONDITION RATINGS ARE THE OPINION OF THE UNDERSIGNED PREPARER AND NOT THE APPROVING AGENCY. MFG ASSUMES NO LIABILITY FOR INJURY OR PROPERTY DAMAGE THAT MAY OCCUR AS A RESULT OF TREE FAILURE ON THIS PROPERTY.
- PARCEL 462 FROM APPROVED NRI #4-06289 (APPROVED MARCH 13, 2007).

TREE LIST

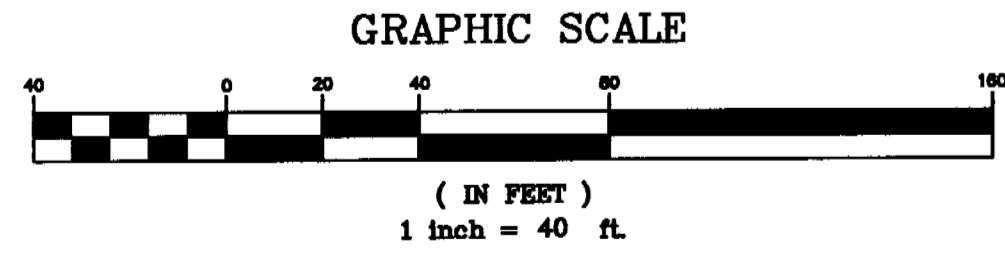
ID #	Common Name	Botanical Name	DBH	CRZ	Conditions/Remarks
1	Norway Maple	Acer platanoides	30	45	Good - Heavy english ivy
2	White Ash	Fraxinus americana	35	52.5	Good - English ivy, hollow steel pipe stuck on east side
3	Norway Spruce	Picea abies	31	46.5	Good - English ivy
4	Red Maple	Acer rubrum	60	90	Poor/Fair - Heavy P. ivy, 3 codominant boles above 10', one of which is topped at 25' and another at 50', significant dieback, 87% dbh of current state champion
5	Flowering Dogwood	Cornus florida	13	19.5	Good, 87% dbh of current county champion
6	Siberian Elm	Ulmus pumila	41	61.5	Good - Scarring but no rot, 90% dbh of current county champion
7	American Beech	Fagus grandifolia	29	43.5	Good - Contorted trunk above 10'
8	Norway Maple	Acer platanoides	24	36	Good - T-pole going through canopy but not heavily pruned
9	Mulberry	Morus spp.	29	43.5	Fair-Good - Heavy vines
10	Silver Maple	Acer saccharinum	34	51	Good - Heavy vines
11	Silver Maple	Acer saccharinum	55	52.5	Good - Measured at 1'
12	Silver Maple	Acer saccharinum	40	60	Good - Measured at 1'
13	Silver Maple	Acer saccharinum	36	54	Good
14	Silver Maple	Acer saccharinum	29	43.5	Good
15	White Pine	Pinus strobus	29	43.5	Good - Estimated DBH
16	Tulip Poplar	Liriodendron tulipifera	24	36	Good - Heavy english ivy
17	White Ash	Fraxinus americana	25	37.5	Fair-Good - English ivy, some canopy die off
18	Sugar Maple	Acer saccharum	45	67.5	Good - Minor dieback
19	Sugar Maple	Acer saccharum	31	46.5	Fair - Heavy english ivy
20	Silver Maple	Acer saccharinum	48	72	Good - Offsite
21	Sugar Maple	Acer saccharum	25	37.5	Good
22	White Ash	Fraxinus americana	25	37.5	Poor - Topped at 9', rotten from base to top but has some live sprouts
23	Black Walnut	Juglans nigra	30	45	Good
24	Black Walnut	Juglans nigra	30	45	Good
25	Tulip Poplar	Liriodendron tulipifera	43	64.5	Good - Heavy poison & english ivy
26	Tulip Poplar	Liriodendron tulipifera	33	49.5	Good
27	Red Maple	Acer rubrum	23	37.5	Good
28	Black Walnut	Juglans nigra	24	36	Good
29	Black Locust	Robinia pseudoacacia	29	43.5	Poor/Fair - Conks in canopy
30	Tulip Poplar	Liriodendron tulipifera	40	60	Good - Heavy english ivy
31	Tulip Poplar	Liriodendron tulipifera	29	43.5	Good - Heavy english ivy
32	White Ash	Fraxinus americana	26	39	Good
33	Silver Maple	Acer saccharinum	40	60	Fair - Heavy english ivy, little bit of dieback, grapevine at top of canopy
34	Silver Maple	Acer saccharinum	40	60	Good - Estimated at 1'
35	Mulberry	Morus spp.	31	46.5	Poor-Fair - Poison ivy
36	White Ash	Fraxinus americana	30	45	Poor - Leaning to south
37	Mulberry	Morus spp.	30	45	Fair-Good - Offsite, splits at 3'
38	Mulberry	Morus spp.	28	42	Fair-Good - Offsite
39	Black Cherry	Prunus serotina	38	57	Fair-Good - Offsite, canopy dieoff with rope swing
40	Silver Maple	Acer saccharinum	27	40.5	Good - Offsite
41	Mulberry	Morus spp.	27	40.5	Good - Offsite
42	Flowering Dogwood	Cornus florida	15	22.5	Fair-Good - Measured at base, 98% dbh of current county champion
43	Flowering Dogwood	Cornus florida	13	19.5	Fair-Good - Measured at base, 85% dbh of current county champion
44	Norway Maple	Acer platanoides	31	46.5	Poor
45	Silver Maple	Acer saccharinum	30	45	Fair-Good
46	Red Maple	Acer rubrum	40	60	Fair-Good
47	Red Maple	Acer rubrum	24	36	Fair
48	Red Maple	Acer rubrum	34	51	Poor - Rotting
49	Red Maple	Acer rubrum	29	43.5	Fair

SOIL SURVEY
 2B - Glenelg silt loam, 3 to 8 percent slopes, prime agricultural soil
 1C - Galla silt loam, 8 to 15 percent slopes
 6A - Baile silt loam, 0 to 3 percent slopes, hydric soil

NRI/FSD TABLE

DESCRIPTION	SIZE
Existing Forest	0.81 Acres
Acres of Wetlands/Acres of Forest in Wetlands	0.34/0.08 Acres
Acres of Stream Valley Buffers/Acres of Forest in Stream Valley Buffers	1.50/0.66 Acres
Length of Stream on site	38 Feet
Average Stream Valley Buffer width	125 Feet (one side)

- Notes:
- Property located within Patuxent River Primary management Area (PMA).
 - No trees on the property are current County and/or State Champions.
 - Tree #4 has 87% dbh of current State Champion Red Maple.
Tree #5 and #43 have 85% dbh of current County Champion Flowering Dogwood.
Tree #6 has 93% dbh of current County Champion Siberian Elm.
Tree #42 has 98% dbh of current County Champion Flowering Dogwood.

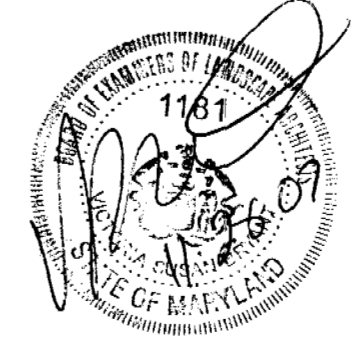


FOREST STAND SUMMARY

STAND No.	DESCRIPTION	AVG. CANOPY HEIGHT (FT)	% CANOPY CLOSURE / # OF CANOPY LAYERS	ACREAGE	REMARKS	% DOWNED WOODY MATERIAL	% HERBACEOUS	INVASIVES C-CANOPY S-SHRUBS H-HERBACEOUS
1	RED MAPLE FOREST ASSOCIATION Dominant: Red Maple, Black Cherry Codominant: Black Locust, White Ash Understory: Box Elder, Mulberry, Pawpaw	55-65	40% / 1 canopy layer	0.81	VINE/HERBACEOUS: P. ivy, English ivy, Garlic Mustard, Sillitias, Honeysuckle vine, Greenleaf, VA Creeper SHRUB: Spicebush, Winged Euonymus, Wine Raspberry, Pokeweed, Privet, Multiflora Rose, Holly PRIORITY 1 AREA-HIGH	10%	40-60%	C = 10% S = 50% H = 30%

APPLICANT
 ASHTON MEETING, LLC
 C/O FRED NICHOLS
 18623 BROOKE ROAD
 SANDY SPRING, MD 20860
 PHONE: 301-924-5258

THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
 NRI/FSD PLAN
 APPROVED
 NRI/FSD No. 420080510
 Date Approved: 12/20/07
 Expiration Date: 12/20/09
 Signature: Mary Jo Kuhn Date: 12/20/07



REVISIONS

NO.	DATE	DESCRIPTION
2	11.28.07	Addressed comments dated 11.28.07
1	10.31.07	Addressed comments dated 10.4.07

TAX MAP JT42 WSSC 224 NW 01

NATURAL RESOURCE INVENTORY/ FOREST STAND DELINEATION
 ASHTON, PARCEL H & LOTS 1-6
ASHTON MEETING PLACE
 LOT 1, PARCEL F, TP 356, TP 357, TP 411, TP 454, TP 456, TP 457, TP 462, TP 464 & TP 509
 8TH ELECTION DISTRICT - MONTGOMERY COUNTY - MARYLAND

MHG Macris, Hendricks & Glascock, P.A.
 Engineers • Planners
 Landscape Architects • Surveyors

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Proj. Mgr. MDP
 Designer EMD
 Scale 1" = 40'
 Date 9-5-07
 Project No. 05-325-11
 Sheet 1 of 1