

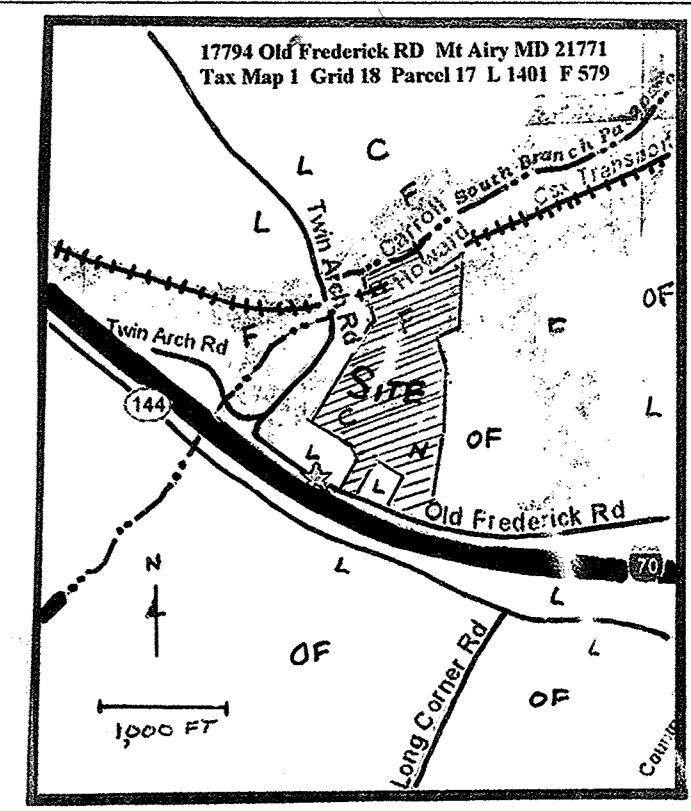
No.	Date	Revision
1	8/5/2022	IDENTIFY 0.4 AND 1.6 ACRE FOREST RETENTION TO F-22-012 AND F-21-046
2	8/10/2022	IDENTIFY 5.20 ACRE FOREST RETENTION TO SDP-21-051
3	8/30/2022	IDENTIFY 2.8 AND 0.4 ACRE FOREST RETENTION TO SDP-21-052 AND SDP-21-053
4	11/11/2022	IDENTIFY 3.0 AND 0.6 ACRE FOREST RETENTION TO SDP-22-025 AND SDP-22-027
5	2/27/2023	IDENTIFY 2.80 ACRES OF FOREST RETENTION TO SDP-02-004
6	6/17/2023	IDENTIFY 1.20 ACRES OF FOREST RETENTION TO SDP-22-014
7	8/11/2023	IDENTIFY 1.80 ACRES OF FOREST RETENTION TO SDP-23-026
8	1/10/2024	IDENTIFY 2.60 ACRES OF FOREST RETENTION TO SDP-12-001
9	5/24/2024	IDENTIFY 15.0 ACRES OF FOREST RETENTION TO F-23-002

Series	Type	Slope & Erosion Potential	Woodland Suitability*	Depth to Bedrock	Depth to Water Table	Severe Limitations
Co	Codorus silt loam		4	6'to20'	1.5'to3'	Flood hazard
GIB2	Glenelg loam	3-8% slope, moderately eroded.	30	4'to10'	10'+	Erosion hazard
GnB2	Glenville silt loam	3-8% slope, moderately eroded.	12	4'to10'	1.5'to3'	Seasonal wetness
MtB2	Mt Airy channery loam	3-8% slope, moderately eroded.	51	20'to40'	10'+	Erosion hazard
MtC2	Mt Airy channery loam	8-15% slope, moderately eroded.	51	20'to40'	10'+	Erosion hazard
MtC3	Mt Airy channery loam	8-15% slope, severely eroded.	51	20'to40'	10'+	Erosion hazard
MtD2	Mt Airy channery loam	15-25% slope, moderately eroded.	52	20'to40'	10'+	Erosion hazard
MtE	Mt Airy channery loam	25-45% slope, moderately eroded.	52	20'to40'	10'+	Erosion hazard

* Woodland Suitability Groups:
 4 Moderately well drained, Site Index: 85 Pine/75-84 Oak, Low seedling mortality.
 12 Moderately well drained, Site Index: 65-74 Pine & Oak.
 30 Deep well drained, Site Index: 75-84 Oak, Slight seedling mortality.
 51 Sloping well drained-shallow soil over bedrock, Site Index: 55-64 Oak, Moderate seedling mortality.
 52 Similar to Group 51 with slopes 15-45%.

ACREAGE	Total	Howard County
Total Tract Area:	68.12	67.61
Area in Floodplain:	6.61	5.71
Net Tract Area:	61.51	61.90
Proposed Tree Bank:	30.01	30.01

- General Notes:**
- The proposed development is to create a 30.01 Acre Forest Conservation (Retention) Bank on this 68.12 Acre agricultural property.
 - Property Location is: 17794 Old Frederick Rd Mt Airy MD 21771 Tax Map 1 Grid 18 Parcel 17 Liber 1401 Folio 579 ADC Map 236 MD GRID: N 555,000 E 761,000
 - The property and adjacent properties are zoned RC 4.25. Land uses are residential and agricultural.
- FSD Notes:**
- Adjacent forested areas limited to stream corridors and private property.
 - The site is adjacent to the Patuxent River to the north and includes an unnamed tributary flowing through the northern half of this site. This tributary stream is within the proposed Forest Conservation Easement area.
 - There are 5.71 acres of flood plain areas on this site.
 - There are no critical animal habitats observed on this site.
 - There are no rare, threatened, or endangered plant species observed on this site.
 - There are no State Champion trees, or specimen trees (>30") on this site.
 - There are no historic structures, or resources on this site.
 - There are approximately 5.5 acres of forested wetlands on this site. These wetlands are within the proposed Forest Conservation Easement Area.
 - There is a cultural feature - a stone foundation of a circa 1920 cabin on this site.
 - There are no rock outcroppings or other significant natural features on this site.
 - Invasive plant species are present along forest edges and hedgerows.
 - Stream and wetland buffer areas are not applicable for this SDP because no site disturbance is proposed and stream and wetland areas are within proposed Forest Conservation Easement areas.



- Legend**
- F - Forest OF - Open Field H - Hedgerow C - Cropland N - Christmas Trees L - Lawn
 - Property Boundary
 - Proposed Tree Bank Area
 - Soil Series
 - Forest Edge
 - Steep Slope >15%
 - Steep Slope >25%
 - FSD Sample Point
 - P-1 Photo View Angle
 - Forest Retention Sign Locations
 - Forested Wetland
 - Stand Boundaries

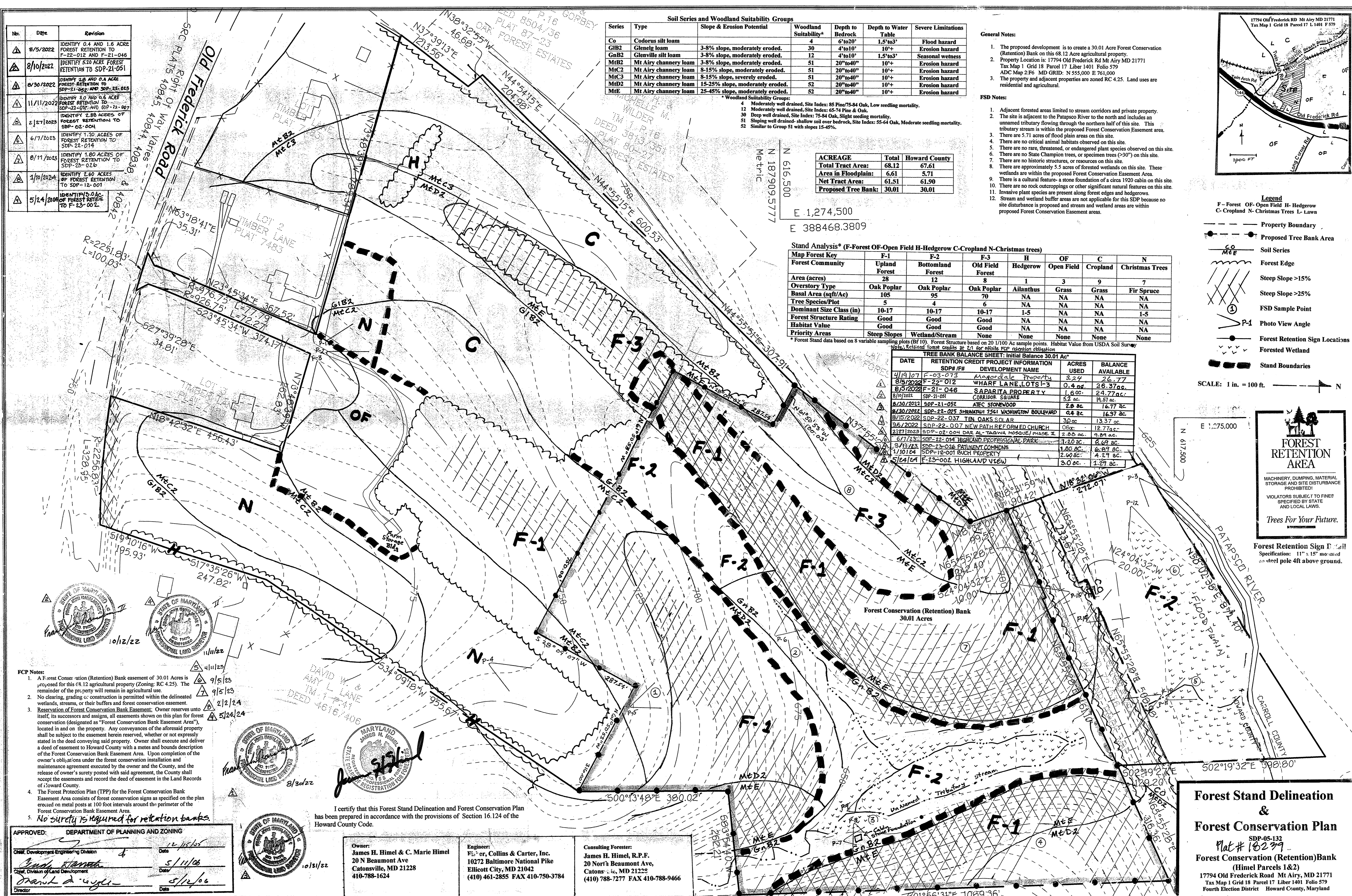
SCALE: 1 in. = 100 ft.

Stand Analysis* (F-Forest OF-Open Field H-Hedgerow C-Cropland N-Christmas trees)

Map Forest Key	F-1	F-2	F-3	H	OF	C	N
Forest Community	Upland Forest	Bottomland Forest	Old Field Forest	Hedgerow	Open Field	Cropland	Christmas Trees
Area (acres)	28	12	8	1	3	9	7
Overstory Type	Oak Poplar	Oak Poplar	Oak Poplar	Ailanthus	Grass	Grass	Fir Spruce
Basal Area (sqft/ac)	105	95	70	NA	NA	NA	NA
Tree Species/Plot	5	4	4	NA	NA	NA	NA
Dominant Size Class (in)	10-17	10-17	10-17	1-5	NA	NA	NA
Forest Structure Rating	Good	Good	Good	NA	NA	NA	NA
Habitat Value	Good	Good	Good	NA	NA	NA	NA
Priority Areas	Steep Slopes	Wetland/Stream	None	None	None	None	None

TREE BANK BALANCE SHEET: Initial Balance 30.01 Ac

DATE	RETENTION CREDIT PROJECT INFORMATION	ACRES USED	BALANCE AVAILABLE
4/19/07	F-03-073 Magorale Property	3.24	26.77
8/5/2022	F-22-012 WHARF LANE, LOTS 1-3	0.4 ac	26.37 ac
8/5/2022	F-21-046 SAPARITA PROPERTY	1.6 ac	24.77 ac
8/10/2022	SDP-21-051 CORRIDOR SQUARE	5.2 ac	19.57 ac
8/30/2022	SDP-21-052 AEC STONEWOOD	2.8 ac	16.77 ac
8/30/2022	SDP-22-025 SHRAMATHI 7561 WASHINGTON BOULEVARD	0.4 ac	16.37 ac
8/15/2022	SDP-22-037 TEN OAKS SOLAR	3.0 ac	13.37 ac
9/6/2022	SDP-22-007 NEW PATH REFORMED CHURCH	0.6 ac	12.77 ac
2/27/2023	SDP-02-004 DAR AL-TAQWA MOSQUE PHASE II	2.00 ac	9.89 ac
6/17/23	SDP-22-014 HIGHLAND PROFESSIONAL PARK	1.20 ac	8.69 ac
9/11/23	SDP-23-026 PATUXENT COMMONS	1.80 ac	6.89 ac
1/10/24	SDP-12-001 BUCH PROPERTY	2.00 ac	4.89 ac
5/24/24	F-23-002 HIGHLAND VIEW	3.0 ac	1.89 ac



FCP Notes:

- A Forest Conservation (Retention) Bank easement of 30.01 Acres is proposed for this 68.12 agricultural property (Zoning: RC 4.25). The remainder of the property will remain in agricultural use.
- No clearing, grading or construction is permitted within the delineated wetlands, streams, or their buffers and forest conservation easement.
- Reservation of Forest Conservation Bank Easement: Owner reserves unto itself, its successors and assigns, all easements shown on this plan for forest conservation (designated as "Forest Conservation Bank Easement Area"), located in and on the property. Any conveyances of the aforesaid property shall be subject to the easement herein reserved, whether or not expressly stated in the deed conveying said property. Owner shall execute and deliver a deed of easement to Howard County with a metes and bounds description of the Forest Conservation Bank Easement Area. Upon completion of the owner's obligations under the forest conservation installation and maintenance agreement executed by the owner and the County, and the release of owner's surety posted with said agreement, the County shall accept the easements and record the deed of easement in the Land Records of Howard County.
- The Forest Protection Plan (PPP) for the Forest Conservation Bank Easement Area consists of forest conservation signs as specified on the plan created on metal posts at 100 foot intervals around the perimeter of the Forest Conservation Bank Easement Area.
- No surety is required for retention banks.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief, Development Engineering Division: *Judy Hanrahan* Date: 5/11/24

Chief, Division of Land Development: *David A. Gagliardi* Date: 5/12/24

Director: *David A. Gagliardi* Date: 5/12/24

I certify that this Forest Stand Delineation and Forest Conservation Plan has been prepared in accordance with the provisions of Section 16.124 of the Howard County Code.

Owner: James H. Himel & C. Marie Himel
 20 N Beaumont Ave
 Catonsville, MD 21228
 410-788-1624

Engineer: F. or, Collins & Carter, Inc.
 10272 Baltimore National Pike
 Ellicott City, MD 21042
 (410) 461-2855 FAX 410-750-3784

Consulting Forester: James H. Himel, R.P.F.
 20 North Beaumont Ave,
 Catonsville, MD 21228
 (410) 788-7277 FAX 410-788-9466

Forest Stand Delineation & Forest Conservation Plan
 SDP-05-132
 Plat # 18239
Forest Conservation (Retention) Bank
 (Himel Parcels 1&2)
 17794 Old Frederick Road Mt Airy, MD 21771
 Tax Map 1 Grid 18 Parcel 17 Liber 1401 Folio 579
 Fourth Election District Howard County, Maryland

SDP-05-132