

MD STATE GRID (NAD 83 2011)
VERTICAL DATUM = NAVD 29

LEGEND

PROJECT BOUNDARY	---
EXISTING ADJACENT PROPERTY	---
EXISTING 100-YEAR FLOODPLAIN	FP
OVERHEAD POWER LINE	OHE
TELEPHONE WIRES	---
EXISTING CONTOURS	---
EXISTING TREE	○
EXISTING TREE LINE	---
EXISTING HEDGEROW	---
SOIL BOUNDARY	---
EXISTING EDGE OF PAVEMENT	---
EXISTING SIDEWALK	---
15% OR GREATER STEEP SLOPES	---
FSD DATA SAMPLE POINT	○
SPECIMEN, CHAMPION, OR HISTORIC TREE WITH CRITICAL ROOT ZONE (1" DBH=1.5' CRZ)	○

**NATURAL RESOURCE INVENTORY
GENERAL NOTES**

- PROPERTY TAX IDENTIFICATION NUMBER FOR THIS PROPERTY IS PENDING RECORDECTION
- THIS SITE IS 2.16 ACRES, IS ZONED C2, AND IS PART OF A LARGER SHOPPING CENTER. IT IS BORDERED BY 1-270, AND MUDDY BRANCH ROAD. IT IS ZONED RA TO THE NORTH, AND ZONED R-20 TO THE SOUTH. THIS SITE IS LOCATED WITHIN THE MUDDY BRANCH WATERSHED. THE SITE DRAINS OFFSITE INTO AN UNNAMED TRIBUTARY OF THE MUDDY BRANCH, A MARYLAND USE CLASS I-P. THE SITE IS NOT LOCATED IN A SPECIAL PROTECTION AREA, NOR IS IT LOCATED IN THE PATUXENT RIVER PRIMARY MANAGEMENT AREA. A FLOODPLAIN STUDY IS CURRENTLY UNDER REVIEW BY WETLAND STUDIES AND SOLUTIONS.
- THIS SITE DOES NOT CONTAIN WETLANDS OF SPECIAL STATE CONCERN AS DEFINED IN COMAR 26.23.06.01
- AN EMAIL REQUEST DATED JUNE 28, 2023, WAS SENT TO THE MARYLAND DEPARTMENT OF NATURAL RESOURCES NATURAL HERITAGE PROGRAM REQUESTING A REVIEW OF RARE, THREATENED OR ENDANGERED SPECIES WITHIN THE BOUNDARIES OF THE PROJECT AS DELINEATED. A RESPONSE IS PENDING, AND WILL BE PROVIDED UPON RECEIPT.
- THE SITE IS ABSENT OF ANY NATIONAL, STATE, OR COUNTY CHAMPION TREE. THERE ARE IS ONE SPECIMEN TREE LOCATED ON THE PROPERTY.
- A FORESTRY DIAMETER TAPE WAS USED TO MEASURE THE DIAMETER OF TREES.
- ANNARICA A. SANBORN, RLA CONDUCTED THE FIELD WORK ON 6/26/23.
- THE SOURCE OF THE SOILS INFORMATION ON THIS PLAN IS FROM THE USDA NRCS WEB SOIL SURVEY (WSS) IN A CUSTOM SOIL RESOURCE REPORT FOR AN AREA OF INTEREST (AOI) ESTABLISHED FOR THE SUBJECT SITE ONLY AND GENERATED ON 6/28/23.
- MARLBORO CLAY IS NOT FOUND TO OCCUR ON OR WITHIN THE VICINITY OF THIS PROPERTY.

FOREST SURVEY SUMMARY

PARCEL 4 IS LOCATED APPROXIMATELY .2 MILES SOUTHWEST OF 1-270 AND MUDDY BRANCH ROAD, WITHIN THE FESTIVAL AT MUDDY BRANCH SHOPPING CENTER IN GAITHERSBURG, MONTGOMERY COUNTY MARYLAND. (COORDINATES 39.12949, -77.20899) THE SITE TOTALS 2.16 ACRES, AND IS ALMOST ENTIRELY MOWED TURF GRASS. IT IS BORDERED BY STREETS TO THE NORTH, AND ORNAMENTAL AND SHADE TREES TO THE WEST. ONE TREE WITH A DBH OF 24" WAS LOCATED ON SITE.

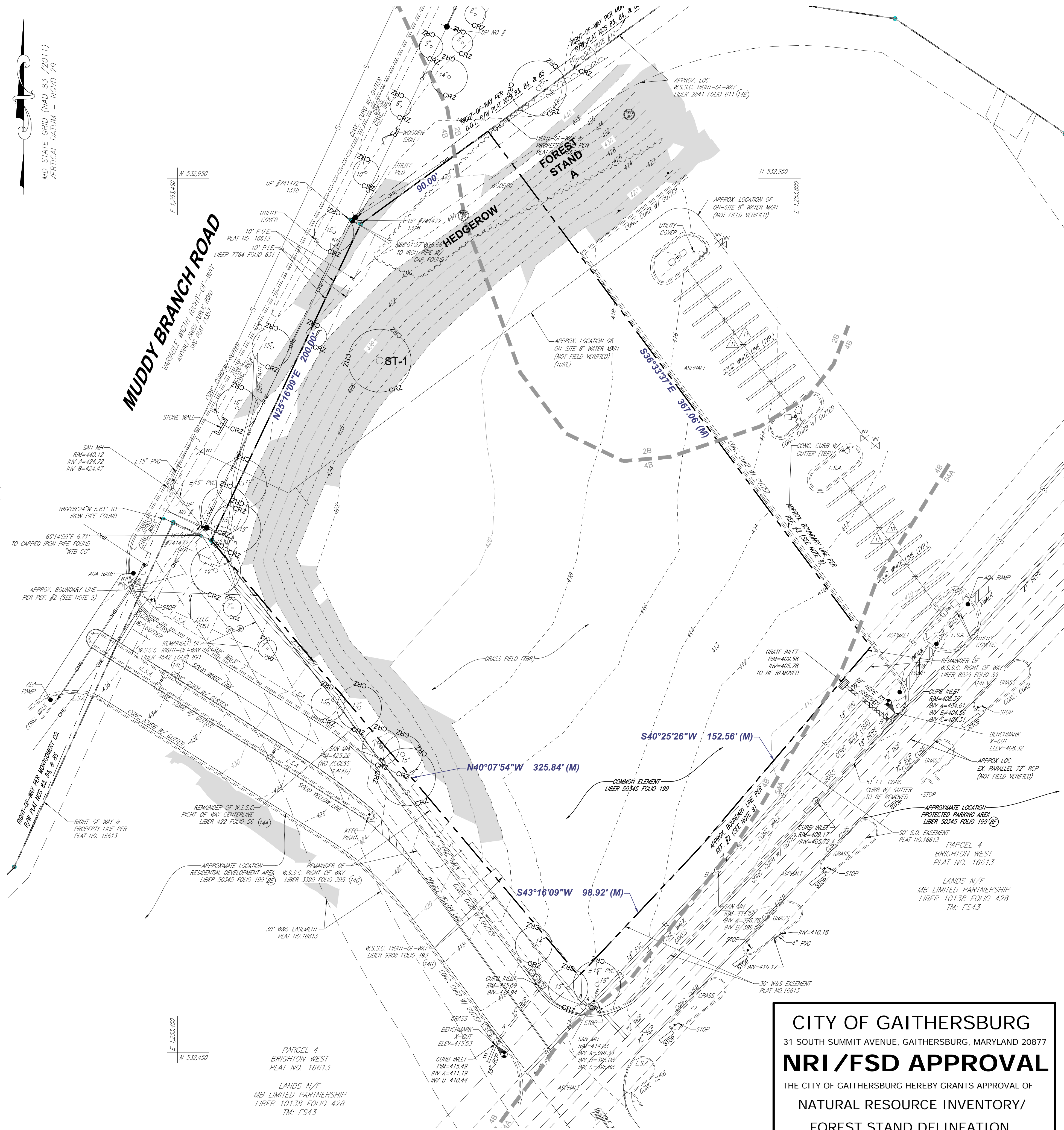
HEDGEROW
THERE IS A CLUSTER OF TREES APPROXIMATELY 46' WIDE, AND 290' LONG ALONG THE EASTERN PROPERTY LINE. THERE ARE AT LEAST 70 TREES PER ACRE, WITH A DIAMETER AT BREST HEIGHT GREATER THAN 2". THE HEDGEROW IS DOMINATED BY NORWAY MAPLE (*Acer platanoides*) AND BLACK LOCUST (*Robinia pseudoacacia*), AND IS MEDIUM AGED WITH MOST OF THE DOMINANT TREES HAVING A DBH OF 6"-12". THE HERBACEOUS LAYER IS ALMOST ENTIRELY ABSENT EXCEPT FOR THE PRESENCE OF VIRGINIA CREEPER (*Parthenocissus quinquefolia*), AND POISON IVY (*Toxicodendron radicans*).

THE SHRUB LAYER CONSISTS ALMOST EXCLUSIVELY HONEYSUCKLE BUSH (*Lonicera* sp.).

DUE TO LOW SPECIES DIVERSITY IN THE CANOPY, LOW STRUCTURAL DIVERSITY IN THE SHRUB LAYER, AND THE ABSENCE OF SPECIMEN TREES, THE HEDGEROW HAS A PRIORITY 4 RATING FOR PRESERVATION AND RESTORATION.

STAND A

STAND A IS OFFSITE, A CONTINUATION OF THE HEDGEROW, AND IMMEDIATELY EAST OF THE PROPERTY LINE.



CITY OF GAITHERSBURG
31 SOUTH SUMMIT AVENUE, GAITHERSBURG, MARYLAND 20877
NRI / FSD APPROVAL
THE CITY OF GAITHERSBURG HEREBY GRANTS APPROVAL OF
**NATURAL RESOURCE INVENTORY/
FOREST STAND DELINEATION**
FOR APPLICATION NO. ENV-9624-2023
DATE 7/27/2023 BY [Signature]

NOTE
FOR LOCATION OF UTILITIES CALL
8-1-1 OR 1-800-257-7777
OR LOG ON TO
www.call811.com
http://www.missutility.net
48 HOURS IN ADVANCE OF ANY WORK
IN THIS VICINITY

VICINITY MAP
SCALE: 1" = 2000'
Vicinity Map © ADC - Kappa Map Group LLC/GIS
Integrated Solutions LLC 2014
MONTGOMERY COUNTY
ROAD ATLAS
MAP FS343 GRID E10A

SPECIMEN TREE CHART

Key (X#)	Species	Size (m.d.bh)	CRZ 1:1.5 (feet radius)	Condition
ST-1	Red Oak	24	36	Good

FOREST STAND A SUMMARY
Forest Stand Summary Sheet

Stand Variable	Stand # A	Hedgerow
1. Dominant species/Co-dominant species	MAPLE/LOCUST	MAPLE/LOCUST
2. Forest Association	MAPLE/LOCUST	MAPLE/LOCUST
3. Successional stage	SECONDARY	SECONDARY
4. Basal Area in s.f. per acre	15	15
5. Size class of dominant species	3"-21"	3"-15"
6. Percent of canopy coverage	50-90	85-90
7. Number of tree species per acre	2	2
8. Common understorey species	HONEYSUCKLE	HONEYSUCKLE
9. Percent of understorey cover 3' to 20' tall	50-90	80-90
10. Number of understorey species 3' to 20' tall	5	8
11. Common herbaceous species	HONEYSUCKLE SEEDLINGS, VIRGINIA CREEPER, MULTIFLORA ROSE	HONEYSUCKLE SEEDLINGS, VIRGINIA CREEPER, MULTIFLORA ROSE
12. Percent of herbaceous & woody plant cover 0' to 3' tall	5	15
13. List of major invasive plant species and percent of cover	HONEYSUCKLE 10-80%	HONEYSUCKLE 90%
14. Number of standing dead trees 6" dbh or greater	0	0
15. Comments	INTENTIONAL PLANTING OF A ROW OF PINES 18"-24" CAL.	HIDING SPOT WITH EMPTY ALCOHOL, DEBRIS, GARBAGE

Sheet 1 of 1 JUNE 2023

FOREST RETENTION SUMMARY ANALYSIS

STAND	STRUCTURE OUT OF 20	CONDITION OUT OF 20	LOCATION OUT OF 20	TOTAL OUT OF 20	PRIORITY FOR PRESERVATION (H.M.L)	PRIORITY FOR RESTORATION (H.M.L)
A	8	5	10	8	LOW	LOW

SOILS SURVEY

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
2B	Clayey silt loam, 3 to 8 percent slopes	1.0	17.4%
4B	Eluviated silt loam, 3 to 8 percent slopes	3.9	65.8%
54A	Habors silt loam, 0 to 3 percent slopes, frequently flooded	1.0	16.8%
Totals for Area of Interest		5.9	100.0%

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NRI FSD
WHIP CLEAN CARWASH
FESTIVAL AT MUDDY BRANCH
SHOPPING CENTER
TM FS43 PARCEL 4
MONTGOMERY COUNTY, MARYLAND
ELECTION DISTRICT 06
PLAT LIBER FOLIO - PENDING RECORDECTION
WSSC MAP GRID 222NW 10

SEAL

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 29891
Expiration Date: 01/14/2024
PLAN PREPARED BY:
AnnaRica A. Sanborn, RLA
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Rockville MD 20850-4074
asborn@Dewberry.com
301-364-1797

SCALE
0 30' 60'
SCALE: 1" = 30'

No.	DATE	BY	Description
REVISIONS			
			EM
			AB
			AB
	05/12/2023		
TITLE			
EXISTING CONDITIONS PLAN			
PROJECT NO.	50161039		
SHEET NO.	102-1		