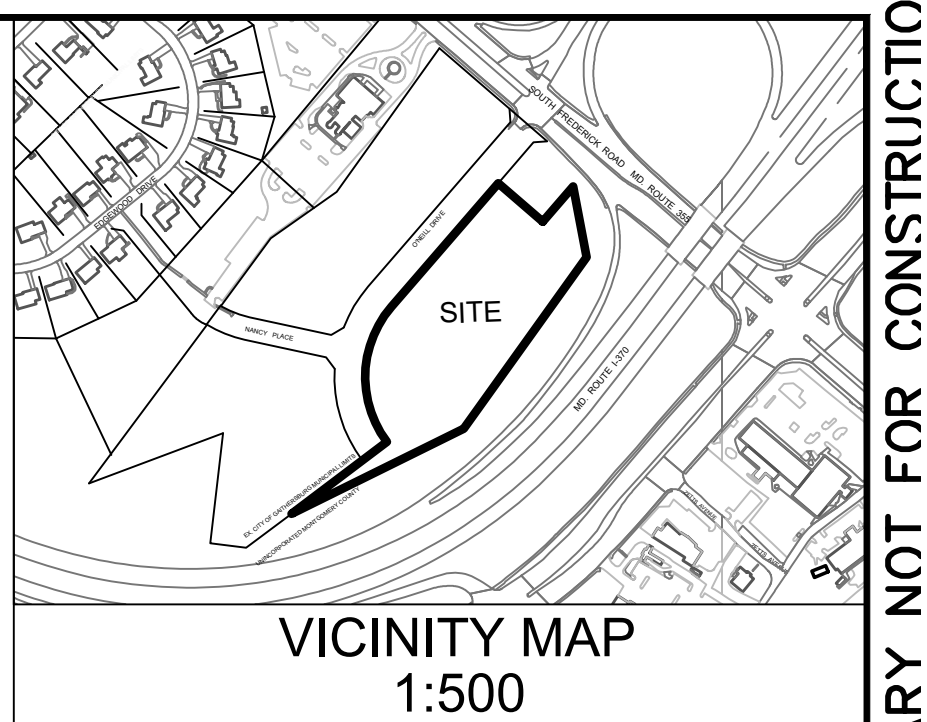


Property Information
 Tax Map: FS63
 Property Area: 5.26± ac.
 WSSC Grid: 222NW09
 Watershed: Potomac River
 Subwatershed: Washington Metropolitan
 Floodplain Source: FEMA FIRM Map #24031C0331D

Lots/Parcels: P940
Zoning: Commercial Residential Town (CRT-0.75)
Property Tax ID: 00768787
Use Class: I-P



Environmental Information Table

Site Statistics	Total
Gross Tract Area	5.26 Acres
Existing Forest Total	5.26 Acres
Existing 100-year Floodplain	0 Acres
Existing woodland in Floodplain	0 Acres
Stream Valley buffer	0 Acres
Forested Wetlands	0 Acres
Regulated Streams	0 Linear Feet
Average Stream Valley Buffer Width	N/A

Legend

- Site Boundary
- Existing Contours
- Existing Building
- Existing Roads
- Existing Light Pole
- Soil Lines and Text
- Intermittent/Perennial Stream
- Existing Canopy Edge
- Forest Stand
- Forest Sample Point
- Specimen Tree & Critical Root Zone
- 15-25% Slope
- Slopes Greater than 25%

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-9609-2023
 DATE 7/26/2023 BY [Signature]

Site Description:
 The site is located along S Frederick Ave in the City of Gaithersburg. O'Neil Drive borders the north and western boundaries and S Frederick Ave borders the eastern boundary. Maryland I-370 runs just off of the southern boundary of the site. The Rosedale Apartment Complex is adjacent to the site. The gross tract area totals 5.26± acres. The site is currently an undeveloped wooded area.

Boundary & Topography:
 The property information is from a parcel GIS data from Montgomery County and the City of Gaithersburg. The project area is listed on Maryland Department of Assessment and Taxation Real Property Data Search website as Parcel P940.

Floodplain, Watershed and Stormwater Infrastructure:
 FEMA FIRM Map #24031C0331D shows the FEMA 100-year floodplain is absent from the site.

Streams, Stream Buffer & Wetlands:
 This property is within the Potomac River Watershed (021402020848).
 Published information (soil maps, topographic maps, state/national wetlands inventory maps) were reviewed for the potential presence of wetlands and "other" waters of the State/U.S. The published information along with a site visit confirmed that there are no streams or stream buffers within 100ft of the site.
 No known wetlands were indicated in the published information for the study area. On May 11, 2023 Rodgers Consulting, Inc. staff performed a site investigation to look for evidence of wetlands and waters of the US within the site. The site visit confirmed that there are no wetlands on or within 100' of the site.

Forests and Trees:
 There are 5 specimen trees located within the site limits and an additional 8 specimen trees are located within 100 feet of the site. According to the Trees and Forest Conservation City Code, Chapter 22, City Forest Conservation Code, specimen trees are defined as trees having a diameter at 4.5 feet above ground surface equal to or greater than 24-inches. Specimen tree locations are shown on the plan and listed in the table on this cover sheet.

There are two forest stands onsite which meet the definition of a forest per the City of Gaithersburg Tree Manual which defines a forest as an area totaling at least 10,000 square feet with at least 100 trees per acre of which 50% must have a 2-inch diameter at 4.5 feet above ground surface.

Stand 1 is a 3.17 acre mid-successional forest dominated by bradford pear (*Pyrus calleryana*), pin oak (*Quercus palustris*), and flowering dogwood (*Cornus florida*) in the 2-5.9-inch dbh size class. Codominant species include bradford pear (*Pyrus calleryana*) in the 2-5.9-inch dbh size class. The understory and shrub layer are vegetated by bradford pear (*Pyrus calleryana*), dogwood saplings (*Cornus florida*) and juniper sp. (*Juniperus* sp.). This forest exhibits poor vegetative structure dominated by the invasive species bradford pear (*Pyrus calleryana*), but appears to be in moderate health. Non-native and invasive species observed include bradford pear (*Pyrus calleryana*), Japanese honeysuckle (*Lonicera japonica*), multiflora rose (*Rosa multiflora*), garlic mustard (*Alliaria petiolata*), and oriental bittersweet (*Celastrus orbiculatus*). Cumulatively, the presence of non-native and invasive plant species decreases the vegetative diversity and quality of wildlife habitat.

Stand 2 is a 2.09 acre mid-successional forest dominated by red maple (*Acer rubrum*), red oak (*Quercus rubra*), black oak (*Quercus velutina*), and tulip poplar (*Liriodendron tulipifera*) in the 15-23-inch dbh size class and red maple (*Acer rubrum*), black cherry (*Prunus serotina*), and tulip poplar (*Liriodendron tulipifera*) in the 10 to 17.9-inch dbh size class. Codominant species include black locust (*Robinia pseudoacacia*), and red mulberry (*Morus rubra*) in the 10 to 17.9-inch dbh size class, and red maple (*Acer rubrum*), black cherry (*Prunus serotina*), and flowering dogwood (*Cornus florida*) in the 6 to 9.9-inch dbh size class and red maple (*Acer rubrum*), flowering dogwood (*Cornus florida*), black cherry (*Prunus serotina*), tulip poplar (*Liriodendron tulipifera*), pignut hickory (*Carya glabra*), and American holly (*Ilex opaca*) in the 2-5.9-inch dbh size class. The understory and shrub layer are dominated by red maple (*Acer rubrum*), black cherry (*Prunus serotina*), and American holly (*Ilex opaca*). This forest exhibits fair vegetative structure and appears to be in moderate health. Non-native and invasive species observed include Japanese honeysuckle (*Lonicera japonica*), multiflora rose (*Rosa multiflora*), and garlic mustard (*Alliaria petiolata*). Cumulatively, the presence of non-native and invasive plant species decreases the vegetative diversity and quality of wildlife habitat.

Rare, Threatened, or Endangered Species:
 No rare, threatened or endangered species were observed on site during field visits. A request for possible state/federal listed rare, threatened and endangered species within the project area was submitted to the Maryland Department of Natural Resources, Wildlife and Heritage Service on Wednesday May 10, 2023. We received DNR's response on June 7, 2023 stating there are no official state or federal records for listed plant or animal species within the project boundary.

Historic/Cultural:
 The Maryland Inventory of Historic Properties shows no structures located within the site boundary or within 200 feet of the site. However, according to the City of Gaithersburg Historic Preservation Master Plan, Casey Barns at 810 S. Frederick Ave is a potential historic resource serving currently as a community center but was historically a dairy barn. This means it possess architectural and historic significance and has retained a high degree of integrity. This site may be considered for historic designation by the City and should be paid special consideration and integrated to the greatest extent possible into any redevelopment projects. This property is not within 500ft of the site, but is within 500ft of the site.

Other:
 Environmental features and buffers located within 200 feet of the site have not been verified beyond desktop resources (Soil survey, Aerial photos, etc.). This plan is not binding on any property except those mentioned in Property information above.

Soils:
 Soils information for this site is from the USDA Natural Resource Conservation Service for Montgomery County Maryland, 2014. Soils on-site are shown in a separate table below using data from USDA's Web Soil Survey (WSS).

Symbol	Soil	Hydric	Prime Farmland	Highly Erodible	K-Factor	Hydrologic Soil Group
1C	Galla silt loam, 8-15% slopes	Yes	Yes	No	0.43	B
2B	Glenelig silt loam, 3-8% slopes	No	Yes	No	0.37	B
5B	Glenelig silt loam, 3-8% slopes	Yes	Yes	No	0.37	C/D

Specimen Tree Table

Tree No	DBH	Scientific Name	Common Name	Health	Comments
1*	29.5	<i>Robinia pseudoacacia</i>	black locust	Poor	Broken branches, extensive vines, critical root zone under asphalt, asymmetrical crown
2	30	<i>Acer saccharinum</i>	silver maple	Fair	Broken branches, adjacent to parking lot
3*	24	<i>Prunus serotina</i>	black cherry	Fair	Broken branches
4*	28.5	<i>Quercus velutina</i>	black oak	Fair	Broken branches
5	24.5	<i>Quercus rubra</i> x sp.	northern red oak potential hybrid species	Fair	Broken branches, extensive vines
6	24	<i>Quercus rubra</i>	northern red oak	Fair	Broken branches, epicormic branching
7	24.5	<i>Liriodendron tulipifera</i>	tulip poplar	Fair	Broken branches, dead branches, incomplete crown
8*	31	<i>Acer saccharinum</i>	silver maple	Fair	Broken branches
9*	45	<i>Quercus alba</i>	white oak	Fair	Broken branches
10*	49	<i>Quercus alba</i>	white oak	Fair	Broken branches, trunk conks
11*	30	<i>Platanus occidentalis</i>	sycamore	Fair	Broken branches, vines
12*	24	<i>Acer rubrum</i>	red maple	Fair	Broken branches
13	28	<i>Liriodendron tulipifera</i>	tulip poplar	Fair	Broken branches, multiple leaders, extensive vines

* Trees that are rooted offsite but within 100 feet of the project area

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. 3845
 EXPIRATION DATE: 10/16/23

REVISION	DATE	REVISION	DATE	REVISION	DATE

Applicant:
 Casey Management, Inc.
 16803 Crabbs Branch Way
 Rockville, MD 20855

NATURAL RESOURCE INVENTORY

RODGERS CONSULTING
 19847 Century Boulevard, Suite 200, Germantown, Maryland 20874
 Ph: 301.948.4700 Fx: 301.948.6256 www.rodgers.com

BASE DATA	BY	DATE
DESIGNED		
DRAWN		
REVIEWED		
RODGERS CONTACT:		
RELEASE FOR		
BY	DATE	

Rosedale Apartments

ELECTION DISTRICT No. 17
 CITY OF GAITHERSBURG, MARYLAND

SCALE: 1" = 100'
 JOB No. 0532E
 DATE: June 2023
 SHEET No. 1 of 1

PRELIMINARY NOT FOR CONSTRUCTION