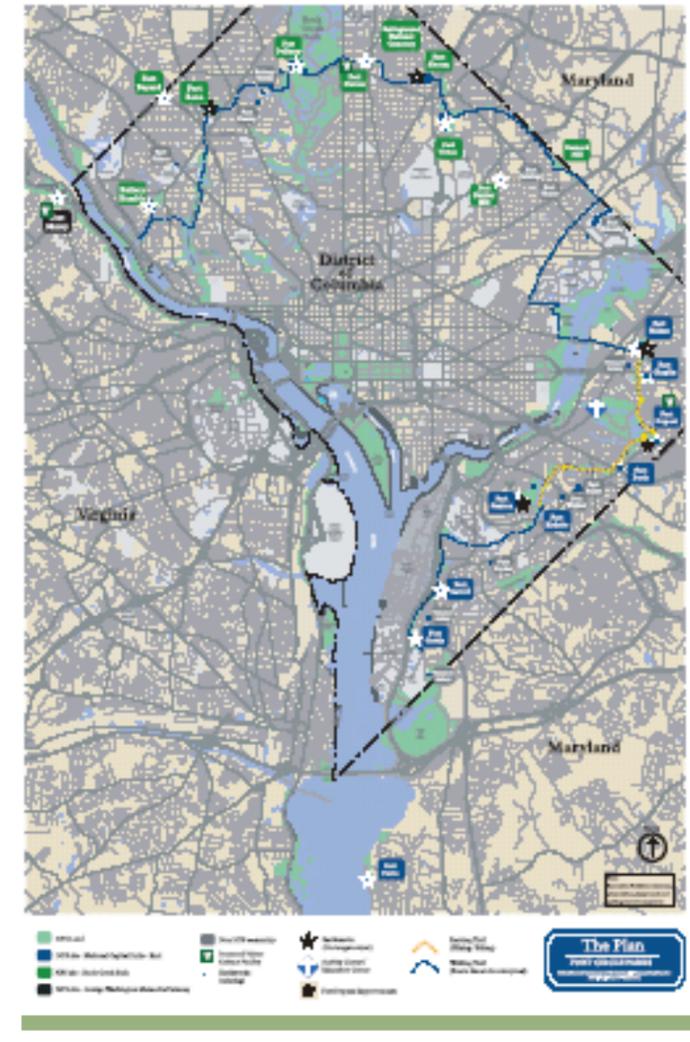




“ With the Anacostia and the Potomac below and the city of Washington spread out beyond and the hills of Virginia in the distance, these are the most beautiful of the broad views to be had in the District.”

1902, McMillan Commission Report



Report prepared for the

NATIONAL PARK SERVICE

U.S. Department of the Interior

Landscape Architecture Program

University of Maryland

David Myers, PhD, ASLA

**FORT CIRCLE PARKS
WASHINGTON, D.C. GREENWAY**

SPRING
.2005

REGIONAL DESIGN STUDIO • UNIVERSITY OF MARYLAND
LANDSCAPE ARCHITECTURE PROGRAM

Fort Circle Parks Greenway, Washington D.C

Prepared For

National Park Service
Department of Interior

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Department of Interior

Prepared By

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Landscape Architecture Program
University of Maryland
Department of Natural Resource Sciences and Landscape Architecture

Directed and Edited By

David Myers, PhD, ASLA
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University of Maryland

Published By

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“We believe the 9/11 attacks revealed four kinds of failures: in imagination, policy, capability and management.”

p. 339, 9-11 Commission Report.

A “failure in imagination” - we had not imagined the capability of our enemy to perpetuate this degree of terror.

Yet in the converse we must also be held accountable. Not only when we can not imagine terror but when we can not imagine beauty - the beauty of landscapes, of justice and livability.

We must imagine landscapes of joy and renewal - landscapes of green ribbons that tie and entwine us to each other and to the land.

We must imagine landscapes that connect us to the past, present and the future and to the permanence of land and place on which once occupied the forts of war in our hope will stand the forts of peace.

We must reinforce a commitment to protect what we value and to those that cannot speak for themselves and those yet to come. We bequeath them the legacy of the public landscape not just the landscape of plant and stone but a landscape imbued with values, imagination, and dreams.

In the Civil War the Union developed a series of forts that encircled Washington, D.C. Clearing the wood for two miles to see potential attacks, the forts were intended to protect the capitol from Confederate attack. This landscape having fulfilled its duty was then conceived a century ago by the McMillan Commission as a pleasurable motor drive. Now reborn, the greenway of forts is vital to the restoration, livability, and social and ecological justice of this great capital.

Now and in our time one and one half century passed, what do we want to protect?

We want to protect the cultural resources that unite us past and future.

We must replenish these lines with care and resources - with a commitment to bind the multitude of landscapes and peoples of Washington, D.C. - to celebrate regional diversity and distinctiveness.

We want to protect the ecological treasures and potentialities that link us to the land.

We want to reinforce the green corridor that unites this city- re-vegetating paved landscapes, retrofitting storm drains, greening roofs and whatever it takes to protect and provide opportunities to connect people to living environments.

We want to protect the opportunity for future voices to enjoy a greenway that celebrates land and life.

But a greenway is more than about the protection of place. The forts that encircle Washington protected ideas – the dreams of unity and justice.

We must protect and replenish these dreams - to look at a city where trees and parks matter - places to play in safety, places to reflect about relationships with people, with land and with ourselves. Where a commitment to livability is measured not only by economic opportunity but by the care in which we take to build and nurture our communities. For the care we show one another is interwoven with the care we show the land – for our hope of a sustainable world is the hope of community. And that community is not just a community of people but truly only defined in place – landscape.

Fort Circle Parks Greenway offers a landscape of hope. The hope of reinforcing this corridor that encircles this great yet unrealized dream of justice we call Washington.

For the urbanity of peoples is sustained not apart from the land but sustained only in the embracing arms of the landscape. We are called to muster our courage and to engage once again our convictions to turn imagination into reality - Fort Circle Parks Greenway.

David Myers, PhD, ASLA

Landscape Architecture Program
University of Maryland May 2005

ACKNOWLEDGMENTS

I would like to thank each of the students in the Spring Regional Design Studio for their commitment to this project. They met the challenge of learning GIS head-on and enthusiastically engaged in this ambitious undertaking to creatively envision livable environments along the Fort Circle Parks Greenway. The names of the students are listed in order clockwise along the greenway with the name of the Greenway Neighborhood that was assigned to them.

<i>Peter Staley</i>	1: Battery Kemble Greenway Neighborhood
<i>Molline Smith</i>	2: Cathedral Heights Greenway Neighborhood
<i>John Palmer</i>	3: Fort Reno Greenway Neighborhood
<i>Shivane Padilla</i>	4: Little Forest Park Greenway Neighborhood
<i>James Palmer</i>	5: Rock Creek Park Greenway Neighborhood
<i>Andie Murtha</i>	6: Fort Stevens and Fort Slocum Greenway Neighborhood
<i>Daniel Park</i>	7: Fort Totten Greenway Neighborhood
<i>Mikkel Mihlrad</i>	8: Barnard Hill and Fort Bunker Hill Greenway Neighborhood
<i>Tim Horner</i>	9: Fort Lincoln Greenway Neighborhood
<i>TJ Hinkle</i>	10: Bladensburg Greenway Neighborhood
<i>Christopher Long</i>	11: Carver Langston Greenway Neighborhood
<i>Ron Lee</i>	12: Kenilworth Aquatic Greenway Neighborhood
<i>Brett Manvilla</i>	13: Fort Mahan Greenway Neighborhood
<i>Sara Loran</i>	14: Fort Dupont Greenway Neighborhood
<i>Kevin J. Gaughan</i>	15: Fort Stanton Greenway Neighborhood
<i>Chad Buchen</i>	16: Oxon Run Greenway Neighborhood
<i>PJ Benenati</i>	17: Shepherd Parkway Greenway Neighborhood
<i>Mila Antova</i>	18: Fort Greble: Bellevue Greenway Neighborhood

I would also like to thank *Julie Mirvis*, who served as studio teaching assistant, for her help with technical GIS questions, individual student tutoring, and final editing tasks. Her careful attention to the detail of each board was very crucial in bringing the document to fruition.

Thanks to *Tom Conley ASLA*, *Bob Hruby ASLA*, and *Mary Pat Mattson ASLA*, who gave us valuable input during intermediate reviews.

Thanks to *Julia Koster*, AICP for hosting us at the National Capitol Planning Commission for our presentation.

Last, I would like to thank *Don Briggs*, *Patrick Gregerson*, and *Tammy Stidham*, from the National Park Service. Their support along the process, providing GIS support, meeting with the class for intermediate reviews and final reviews was greatly appreciated.

I want to especially thank *Don* for his initial request for us to consider undertaking this adventure. It has been a great honor to work on this project and I hope that our contributions will help further the development of Fort Circle Parks Greenway.

David Myers, PhD, ASLA
Landscape Architecture Program
University of Maryland May 2005



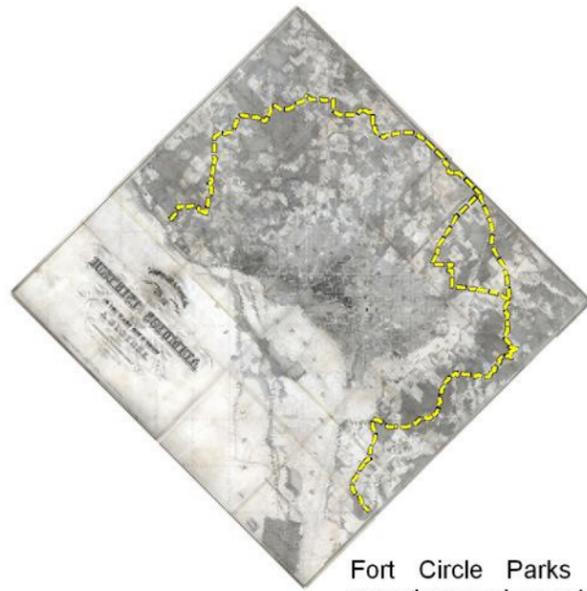
Presentation at National Capitol Planning Commission

FORT CIRCLE PARKS
WASHINGTON, D.C. GREENWAY

CONTEXT

INTRODUCTION AND HISTORY

The Fort Circle Parks Greenway is a proposed greenway in Washington, D.C. which will link historic Civil War fort properties and earth works owned by the National Park Service. It also serves as a central unifying open space element in the comprehensive planning of Washington, D.C. The Fort Circle Parks Greenway offers an opportunity to celebrate cultural and natural resources as a unified pedestrian trail system and embrace Washington D.C.'s social, economic, and environmental diversity. The approximate trail location was determined by the location of these properties and the purpose of this effort was to inventory, analyze and provide envisioning products at a neighborhood scale.



Fort Circle Parks Greenway superimposed over 1856 map by Boschke of Washington, D.C

Washington D.C. was established as a permanent capital in 1800. To defend the city from Confederate attack during the Civil War forty eight forts were established along the perimeter of the city by April 1861. These locations were strategically selected in order to secure the high ground and provide protection of the capital. Due to these improvements Washington, D.C. became the most heavily fortified city in the world. In 1902, the McMillan Commission's Plan proposed the Fort Circle Drive as a unifying element to unite historic Civil War features and lands were purchased for this effort over the next century. The Fort Circle Drive was not implemented and the Fort Circle Parks Master of 1968 envisioned the properties as a pedestrian trail. This master plan was never fully implemented. In September 2004 the National Park Service completed a Final Management Plan for a pedestrian oriented Fort Circle Parks trail. This project supports these ongoing efforts by proposing the Fort Circle Parks Greenway.

GOALS

MISSION AND OBJECTIVES

Our mission is to connect the cultural and natural resources of Fort Circle Parks Greenway by weaving a unified green pedestrian trail system with the specific opportunities and constraints of individual neighborhoods. Fort Circle Parks Greenway embraces our past, present, and future by integrating the every day lives and landscapes to create opportunities for revitalization and enhancement of livable environments.

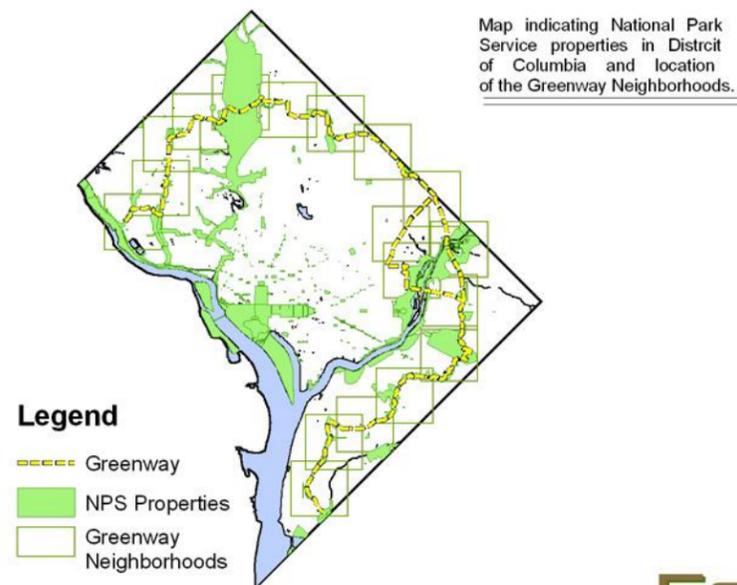
The specific objectives of this project are to 1) research and document the inventory, programming information, and composite analysis, 2) to inform and create envisioning design and planning products that can be used by the National Park Service, and 3) to assist in the overall initiative of the Fort Circle Parks Greenway.

APPROACH

GREENWAY NEIGHBORHOODS AND GIS

The general approach to understand and envision the greenway was to divide the proposed greenway into eighteen Greenway Neighborhoods. Each student was assigned a segment and the surrounding one to one and one-third mile block around his or her segment of the trail. We designated these areas as Greenway Neighborhoods.

ESRI ArcMap 8.0, Spatial Analyst and 3D Analyst were used to inventory, analyze and document data at a neighborhood scale. GIS data also provided site-scale base information for envisioning products. GIS data was provided by the National Park Service.



INVENTORY

ABIOTIC, BIOTIC, CULTURAL AND PHOTOS

The abiotic map indicates slope and relief characteristics specific to each neighborhood. Slope maps are constructed using Spatial Analyst. The biotic data represents existing water, wetlands and woodlands. The inventory of cultural features documents the unique characteristics including existing streets and bridges, public transportation, buildings, schools, recreation centers. In addition, this inventory indicates the land use zone in each neighborhood. A photographic inventory board documents the visual character of the neighborhood.

ANALYSIS

PROGRAMMING AND COMPOSITE ANALYSIS

The programming boards indicate the existing neighborhoods within each Greenway Neighborhood and general percentage of children under the age of eighteen. This informed master plans and site-scale designs for facilities to address cultural and recreational needs of this population. User narratives were explored to assist the design process by role-playing various user experiences.

The composite analysis boards represent the opportunities and constraints for each Greenway Neighborhood. This document of the major assets and liabilities provided the basis for the master plan and site-scale focus designs. After the completion of the inventory and the analysis of the neighborhood data each student discussed the specific characteristics of each neighborhood in relation to each adjacent Greenway Neighborhood and the entire Fort Circle Parks Greenway in order to better envision and understand the Fort Circle Parks Greenway as a unified trail system.

ENVISIONING PRODUCTS

MASTER PLAN AND FOCUS AREA

Utilizing the inventory and analysis information, master plan and site-scale envisioning documents for each neighborhood were created. The master plan refines the original alignment of the trail and also proposes new secondary loops that support neighborhood integration.

The site-scale proposals seek to integrate abiotic, biotic and cultural neighborhood opportunities and constraints and the programmatic needs of trail users. While the designs consider non-neighborhood users the focus is on meeting the needs of local residents to integrate every day lives and landscapes.



INTRODUCTORY BOARDS

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I-iii Overview	3
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Cumulative
Page Numbers

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3 Fort Reno Greenway Neighborhood	21-27
4 Little Forest Park Greenway Neighborhood	29-35
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16 Oxon Run Greenway Neighborhood	125-131
17 Shepherd Parkway Greenway Neighborhood	133-139
18 Fort Greble: Bellevue Greenway Neighborhood	141-147

BOARD NUMBER

Each Neighborhood includes the following boards.

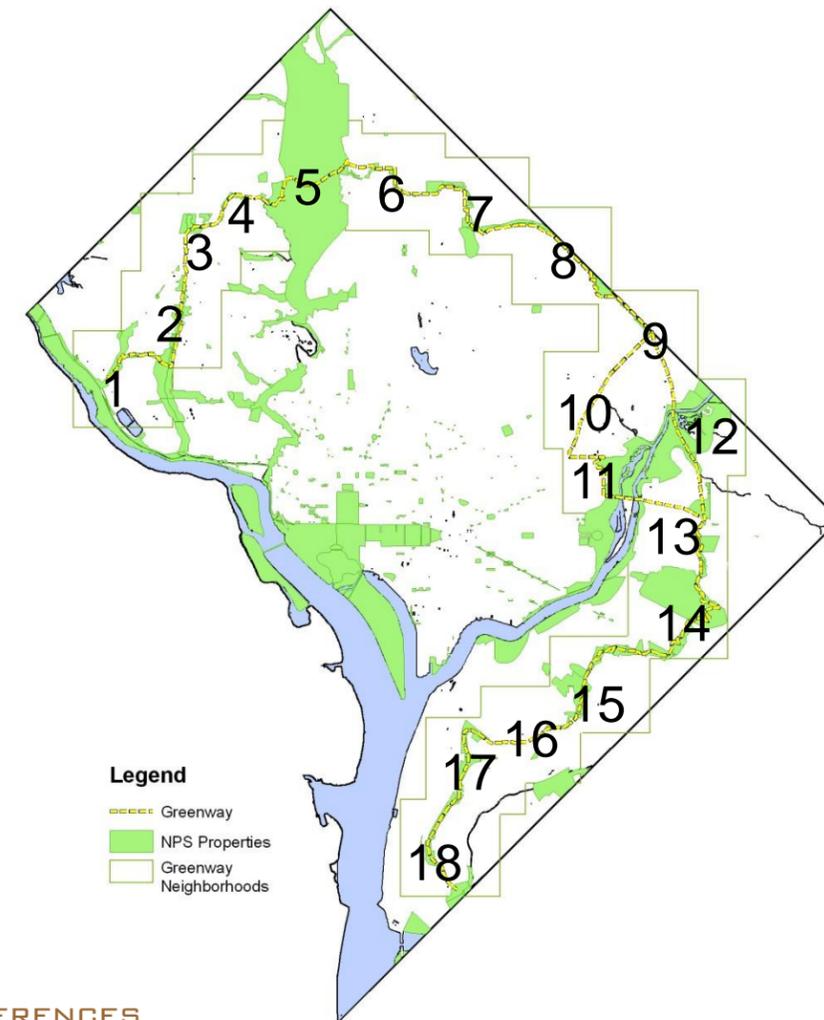
1 Abiotic Inventory	
<i>Slope and relief maps</i>	
2 Biotic Inventory	
<i>Water, Wetlands, and Woodlands</i>	
3 Cultural Inventory	
<i>Buildings, Streets, and Significant Cultural Features</i>	
4 Photographic Inventory	
<i>Ten to twelve photographs highlighting each neighborhood</i>	
5 Programming	
<i>Map of the neighborhoods and short narratives about likely user groups</i>	
6 Composite Analysis	
<i>Opportunities and Constraints</i>	
7 Design Solutions	
<i>Master Plan and Focus Area Plans and sketches</i>	

APPENDIX

A-1 Methodology – a more detailed look	149
A-2 Greenway Case Studies – a look at precedents	150
A-3 Big and Little Ideas – first design ideas for the greenway	151

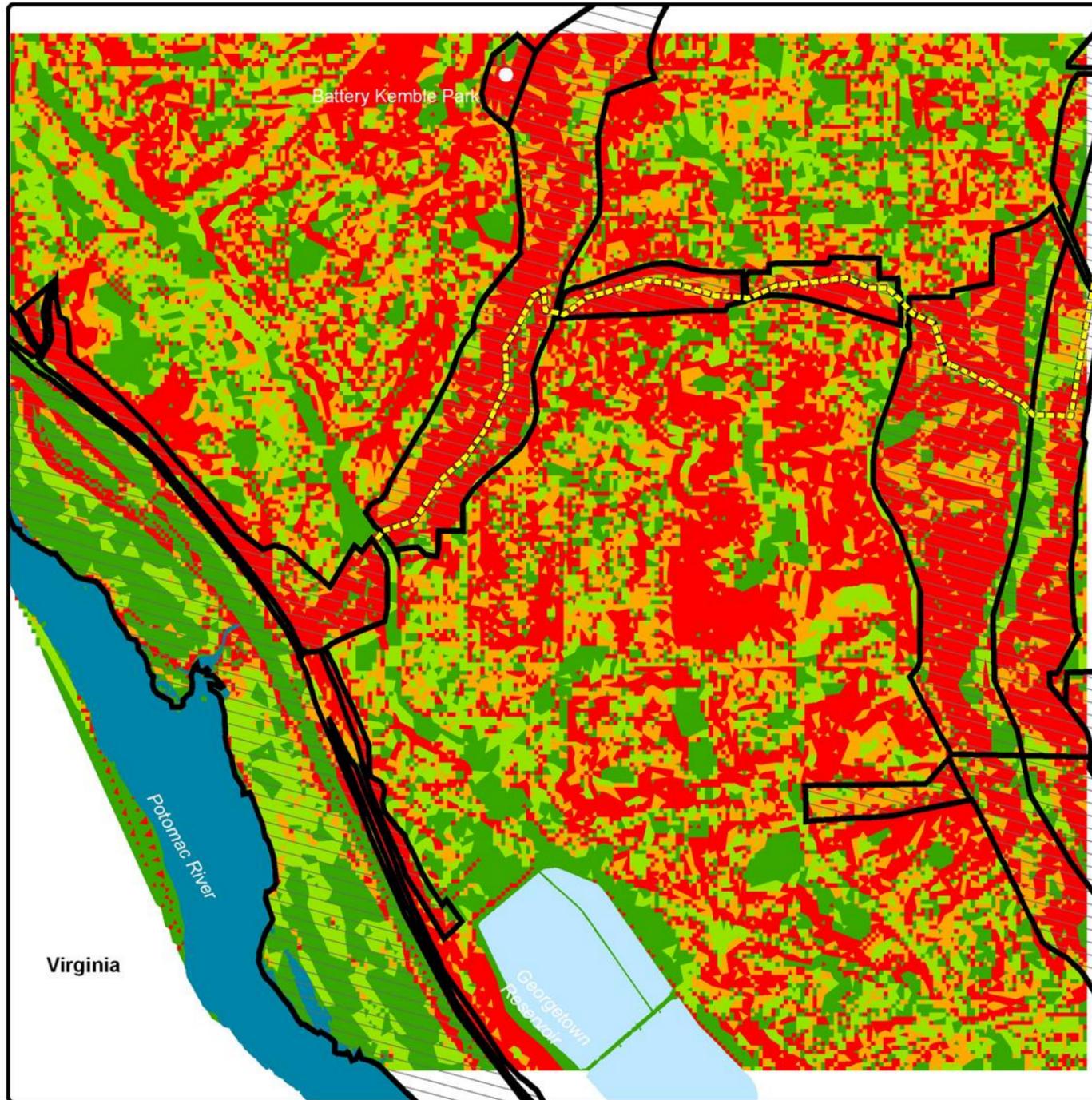
GREENWAY NEIGHBORHOODS LOCATION

Greenway Neighborhoods are numbered clockwise. The first number on upper right corner of each sheet indicates the Greenway Neighborhood. The cumulative page number is indicated in the bottom right corner.



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 2005. D.C Office of Planning. D. C. Comprehensive Plan. <http://www.inclusivecity.org>
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 Civil War Defenses of Washington and Anacostia Park, District of Columbia,
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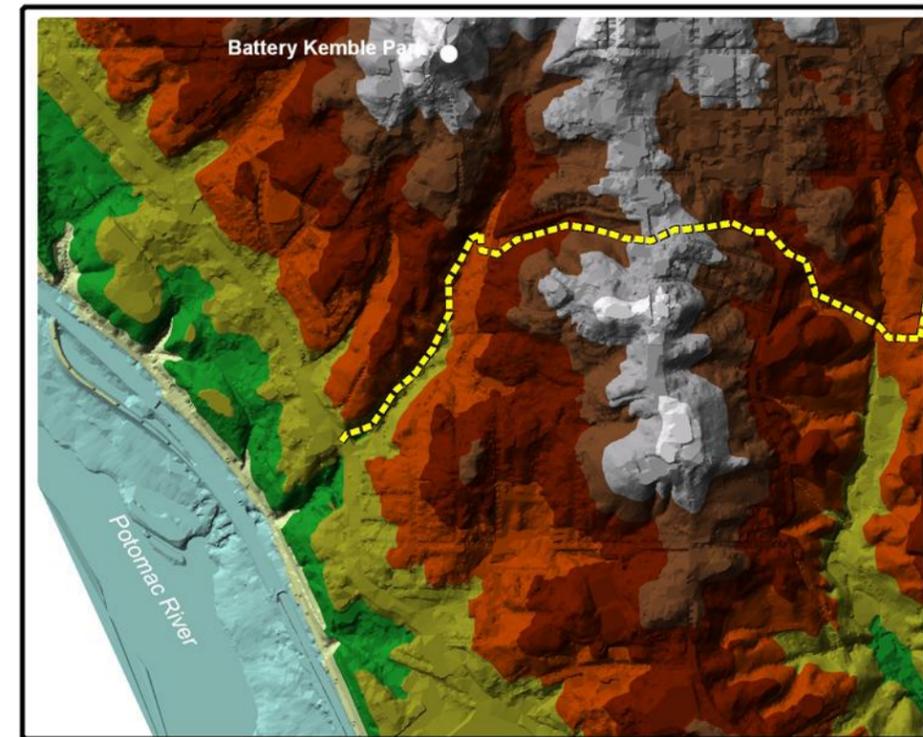


SLOPE

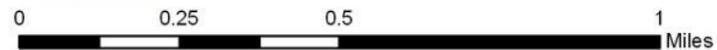


1 inch equals 1000 feet

- NPS Property
- Proposed Trail
- Lake
- River
- 0 - 8 % Gentle
- 8 - 15 % Moderate
- 15 - 25 % Steep
- >25% Very Steep

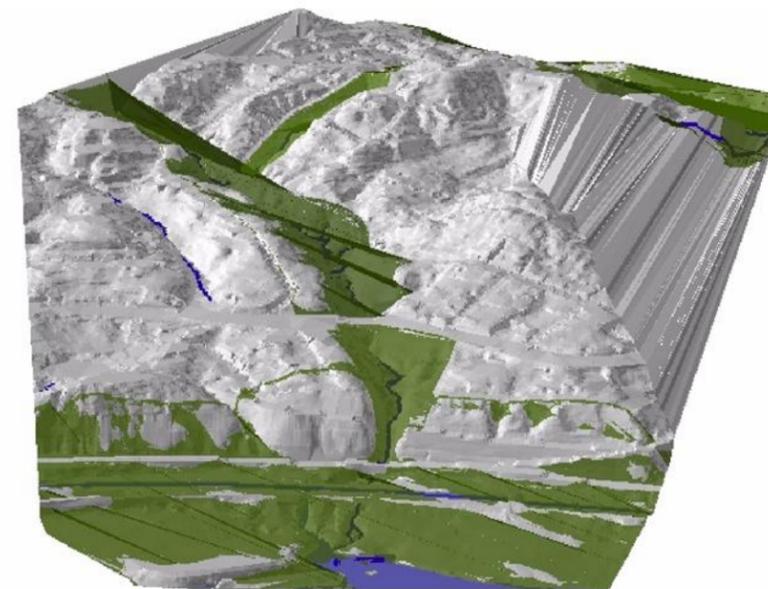


RELIEF



1 inch equals 1500 feet

- Elevation Elev. Ft.
- 341.5 - 383.86
 - 300.0 - 341.5
 - 257.000 - 300.0
 - 214.0 - 257.000
 - 172.0 - 214.0
 - 130.0 - 172.0
 - 88.0 - 130.0
 - 45.0 - 88.0
 - 3.0 - 45.0
 - Proposed Trail



3D RELIEF

FORT CIRCLE PARKS
WASHINGTON, D.C. GREENWAY



WATER, WETLANDS & WOODLANDS

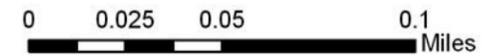


1 inch equals 1000 feet

- NPS Parks
- Woodland
- Lake
- River
- Wetlands
- fcptrailjunction



Fort Circle Greenway intersection with C & O Canal Trail



1 inch equals 250 feet

- NPS Land
- Lake
- River
- Woodlands

DESCRIPTION

The Battery Kemble portion of the Fort Circle Greenway is entirely in parkland with the exception of road crossings. The National Park Service owns all of this property and the trails that exist within. The most prominent trail is the C & O Canal Trail that runs along the Potomac River and the canal. Landmarks such as Fletcher's boathouse and clearly marked trail heads indicate the starting point of the Fort Circle Greenway. The trail climbs at a steep grade as it moves away from the Potomac River and disappears into the woods ahead. A stream valley runs parallel to the trail at this point before turning eastward and connecting with Archibold Glover Park.





BUILDINGS, STREETS & SIGNIFICANT CULTURAL FEATURES

0 0.125 0.25 0.5 Miles

1 inch equals 1000 feet

- Green Trail
- NPS Land
- Fort Circle Park
- Streets
- School
- University Campus
- Building
- Recreational Facility
- Public Transportation
- Fire Station
- Bridge
- Lake
- River



ZONING

0 0.125 0.25 0.5 Miles

1 inch equals 2000 feet

- | | |
|---|---|
| Green Trail | R1A |
| Lake | Federal Land |
| River | R1B |
| | R5A |
| | C1 |
| | R3 |
| | C2A |

DESCRIPTION

The Battery Kemble Park area is primarily surrounded by three residential neighborhoods. This ribbon of parkland serves as a linkage to the C & O Canal Trail and the Potomac River. The park itself receives a tremendous amount of use from the residents that live in these adjacent areas. Passive recreation such as, dog walking and socializing with neighbors are daily activities within the park boundaries. The prevailing theme is that the park and its environs are an extension of the private properties and backyards that are in such close proximity. The citizens project a sense of ownership in regard to the parkland. This certainly has a positive effect in terms of maintenance and overall appearance as well as monitoring unusual activity.

FORT CIRCLE PARKS GREENWAY

WASHINGTON, D.C.



PHOTOGRAPHIC INVENTORY



1. View of Potomac River from Fletchers Boathouse



2. C & O Canal



3. C & O Towpath



4. Pedestrian Tunnel under Canal Rd.



5. Trail between Canal Rd. & MacArthur Blvd.



6. Trail at Chain Bridge & MacArthur Blvd.



LOCATION OF PHOTOGRAPHS

1 inch equals 1000 feet



7. View inside Battery Kemble Park



8. View inside of Battery Kemble Park



9. View inside of Battery Kemble Park



10. Trail at Foxhall Rd. & Fulton Rd.

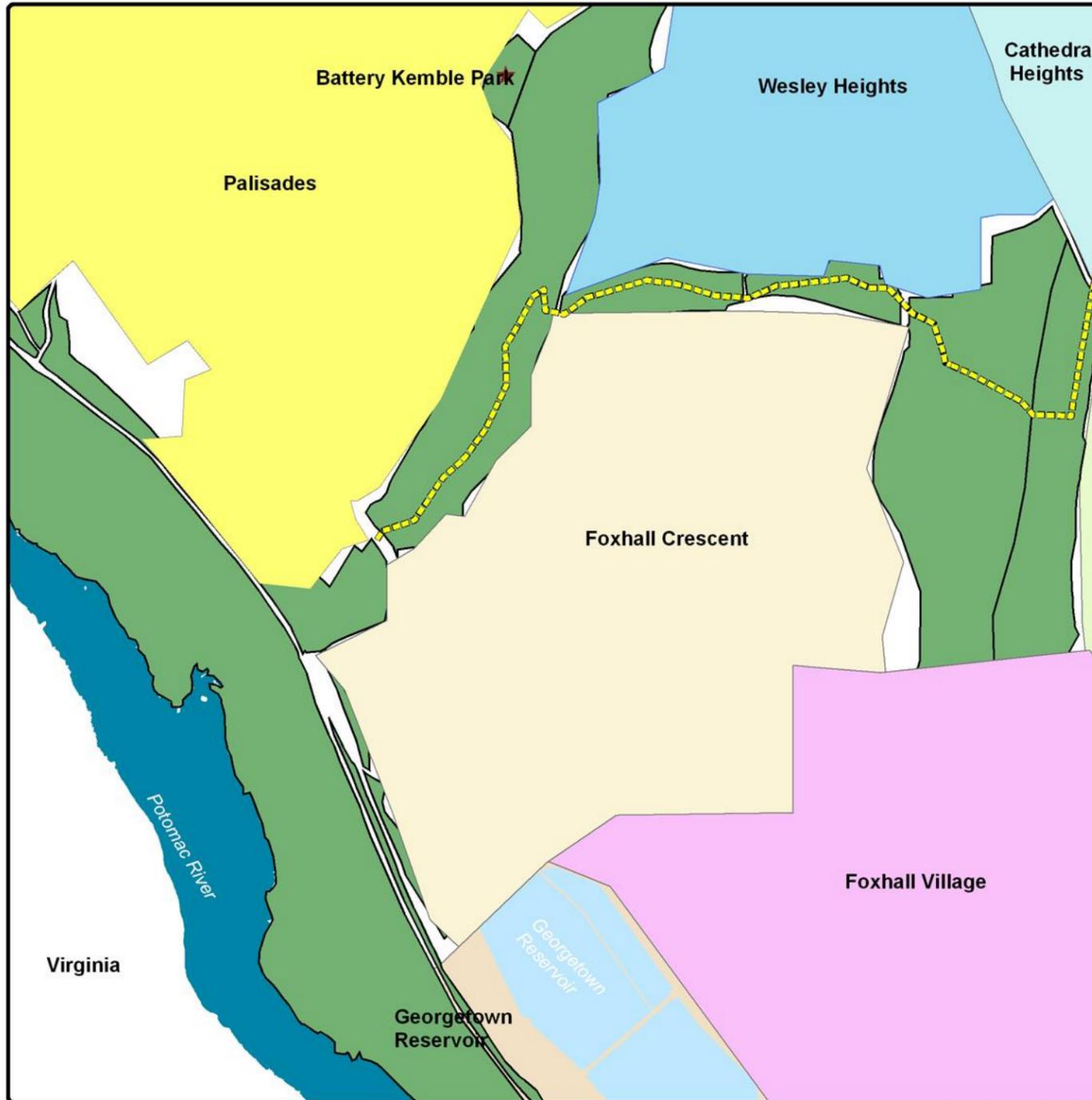


11. Trail inside Glover Archibold Park



12. Trail Junction at 44th St.





NEIGHBORHOODS



1 inch equals 1000 feet

DESCRIPTION

The park is surrounded by single family homes in residential neighborhoods. This is commonly referred to as the Foxhall area of NW Washington. Key Elementary School is the only public elementary school in the surrounding communities. Demographics indicate that school age children make up 7 - 9% of the total population within the neighborhood.

USER NARRATIVES

DOG WALKERS

Battery Kemble Park has become first and foremost a dog park for the surrounding residential neighborhoods. The spacious parkland buffer from vehicular traffic makes the site very appealing for dog walkers. I happened to watch from a distance as 20-25 dogs romped and played in the large bowl-like amphitheater. Their owners stood idly by and chatted with each other or drank coffee and read the morning paper while seated at the picnic tables provided. The park is the largest open green space in the wooded parkland that winds its way through these neighborhoods. The number of dog owners and their dogs that visit this site daily is close to 100. The traffic is relatively steady as people make Battery Kemble Park part of their daily routine in walking their dogs in the morning and evening.

JOGGERS

I have friends that regularly jog on the C & O Canal towpath. I recently convinced them to jog the Fort Circle Trail as an alternative. We met at Fletcher's Boathouse along the canal and started out. We passed through the pedestrian tunnel at the edge of the parking lot and immediately found ourselves beneath the lush canopy of the parkland. We were heading in a northerly direction and the grade change was steep. I turned right and the trail continued to climb until it crossed Foxhall Rd. It then seemed to drop suddenly as I descended into Glover Archibold Park. The mature trees that lined the trail on both sides were covered in ivy but the trail was wide enough for two way traffic as I passed people going in the opposite direction. Moving through Glover Archibold and the various changes in elevation I passed a community garden and then came upon a field where dogs were playing excitedly. I was heading back toward the water and could see vehicular traffic on Whitehaven Parkway ahead in the clearing. I crossed at the intersection and followed the trail up a steep incline to Canal Road. The trail wasn't terribly busy so I crossed over and ran along the water's edge until the parking lot appeared and I had returned to the base of Battery Kemble Park. I don't think I ran the 3 miles that I had intended but I was certainly exhausted due to all the grade changes and various terrain surfaces along the trail.

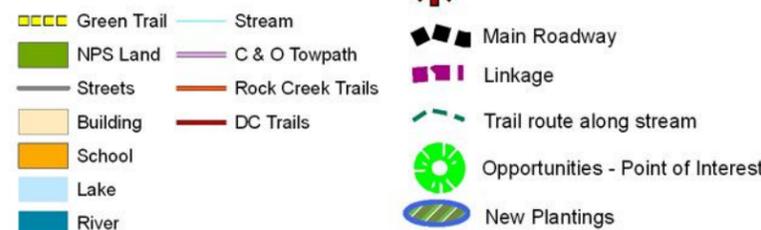
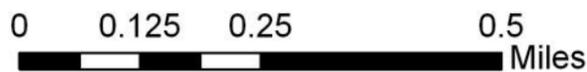
TOURISTS

My aunt and uncle live in Massachusetts and visit the Washington, D.C. area once a year. They are both outdoor enthusiasts and avid walkers. On their most recent visit we had made plans to get together for dinner on a Saturday evening in Georgetown. When I arrived at the restaurant they informed me that they had spent the day shopping and walking along the C & O Canal towpath. The downtown shopping district of Georgetown is immediately adjacent to the walking trail and makes for easy access to visitors who want to escape the urban landscape, whether for a brief walk or a many mile hike. My uncle said that they picked up the Crescent Trail along Reservoir Road and walked west until they came to Fletcher's Boathouse on the canal. They then turned into the woods and walked along the marked trail that indicated the Battery Kemble Park. They only walked to the intersection at Foxhall Road before turning around and coming back the way they started out. The total distance was only 1.25 miles to Fletcher's Boathouse from Georgetown along the towpath.





OPPORTUNITIES AND CONSTRAINTS



A OPPORTUNITY
The importance of the Fort Circle Greenway needs to be marked at the terminus with a Welcome Center or Information Booth. The trail can also tie into the existing C & O Canal Trail.

CONSTRAINT
Constraint exists in providing a safe crossing of Canal Road. A new pedestrian bridge could be implemented or an existing pedestrian tunnel could be improved and utilized.

B OPPORTUNITY
Opportunity to design either specific hardscape or paving material in pedestrian crosswalk at MacArthur Blvd.

CONSTRAINT
Constraint exists in crossing 4 lane MacArthur Blvd. Incorporate traffic light at intersection of Chain Bridge & MacArthur Blvd or use crosswalk one block west at Dana Pl.

C OPPORTUNITY
Opportunity to align trail along stream valley with possible crossings. Opportunity for linkage to nearby Key Elementary School. Opportunity for side trail to original Battery Kemble earthworks. Opportunity to design specific hardscape for road crossing at 49th St.

D OPPORTUNITY
Opportunity to add plantings along trail. Residential backyards are in close proximity along this section of trail. Opportunity to design specific hardscape for crossing at 44th St. Also possible linkage or signage as the trail joins Wesley Heights Trail within Glover Archibold Park.

CONSTRAINT
Constraint exists in crossing 2 lane Foxhall Road. No existing traffic light. Can be very busy during rush hour.



View of C & O Canal from bridge at Visitor's Center



MASTER PLAN
Scale 1" = 500'



FORT CIRCLE VISITOR'S CENTER
Scale 1" = 40'



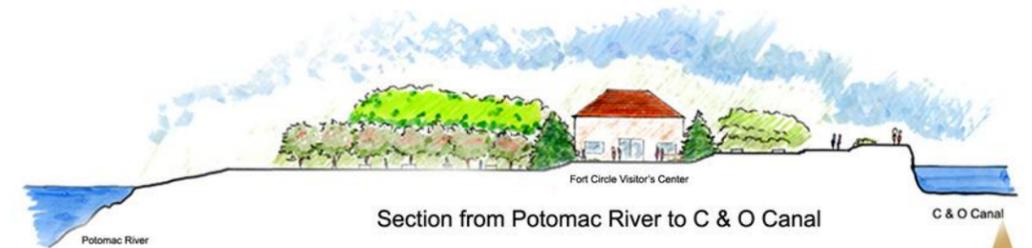
View of Unity Plaza at Fort Circle Visitor's Center



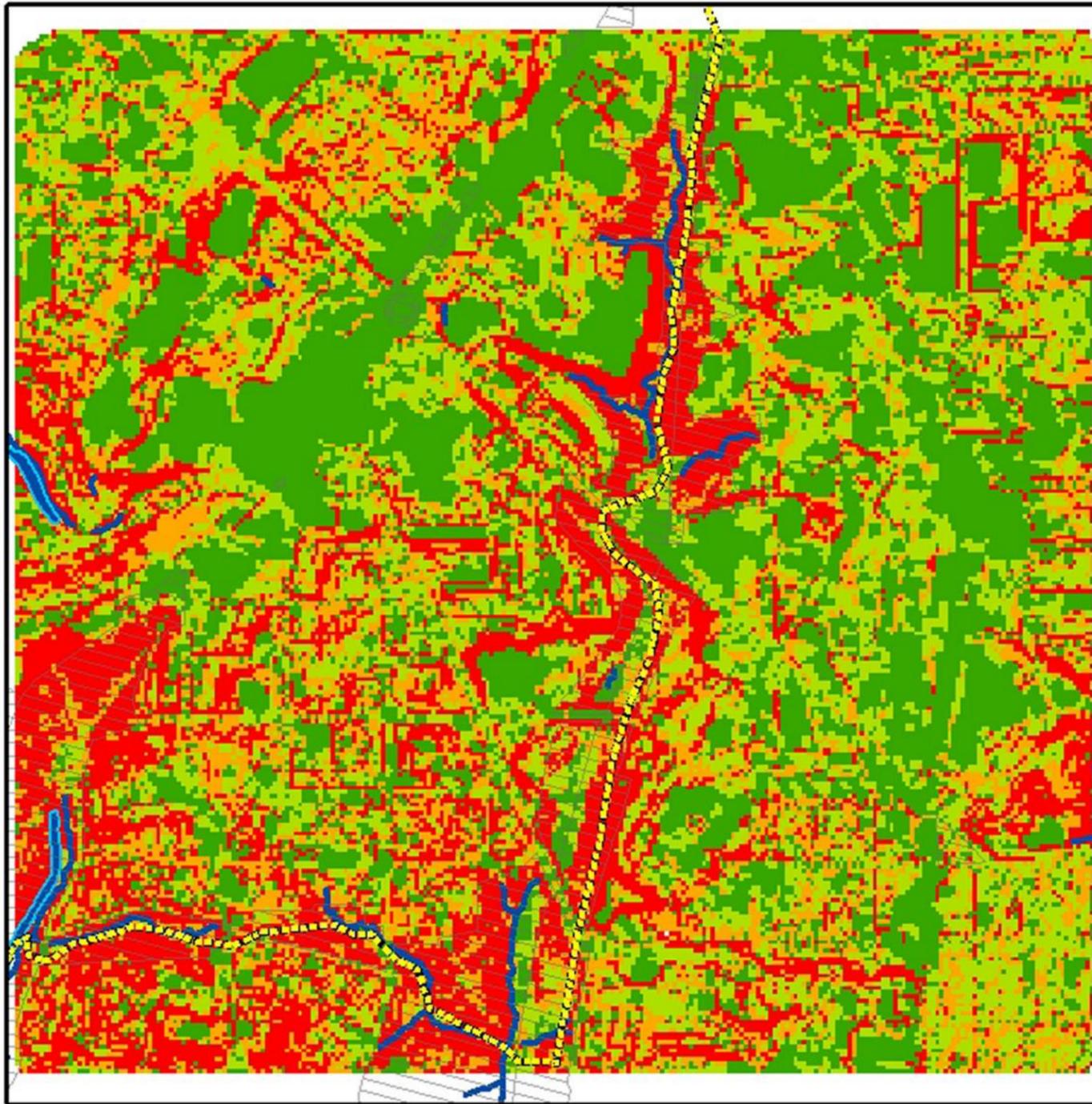
View of Potomac River from edge of Unity plaza



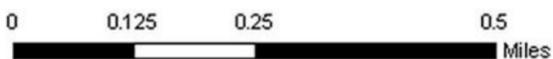
View of pocket park at
Chain Bridge Rd. and MacArthur Blvd.



Section from Potomac River to C & O Canal



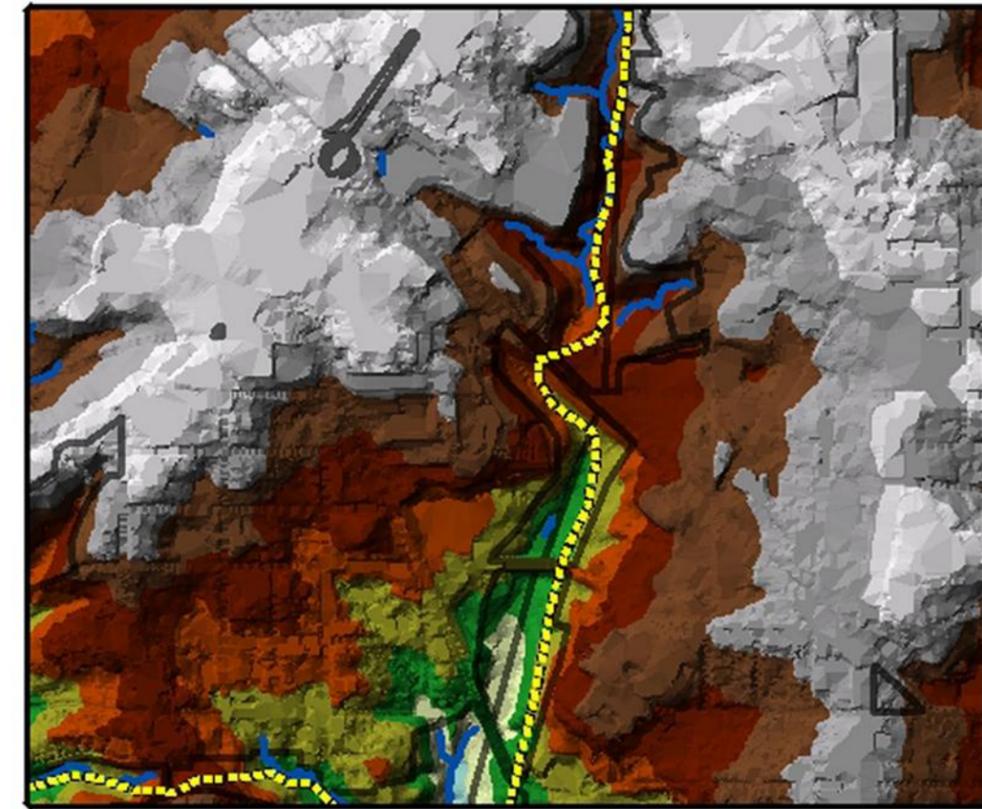
SLOPE



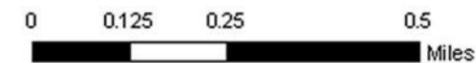
1 inch equals 1,000 feet

Legend

- NPS park property
- Floodplain
- Hydrology
- 0 - 8% Gentle
- 8 - 15% Moderate
- 15 - 25% Steep
- 25% - above Very Steep
- fcptrailjunction



RELIEF



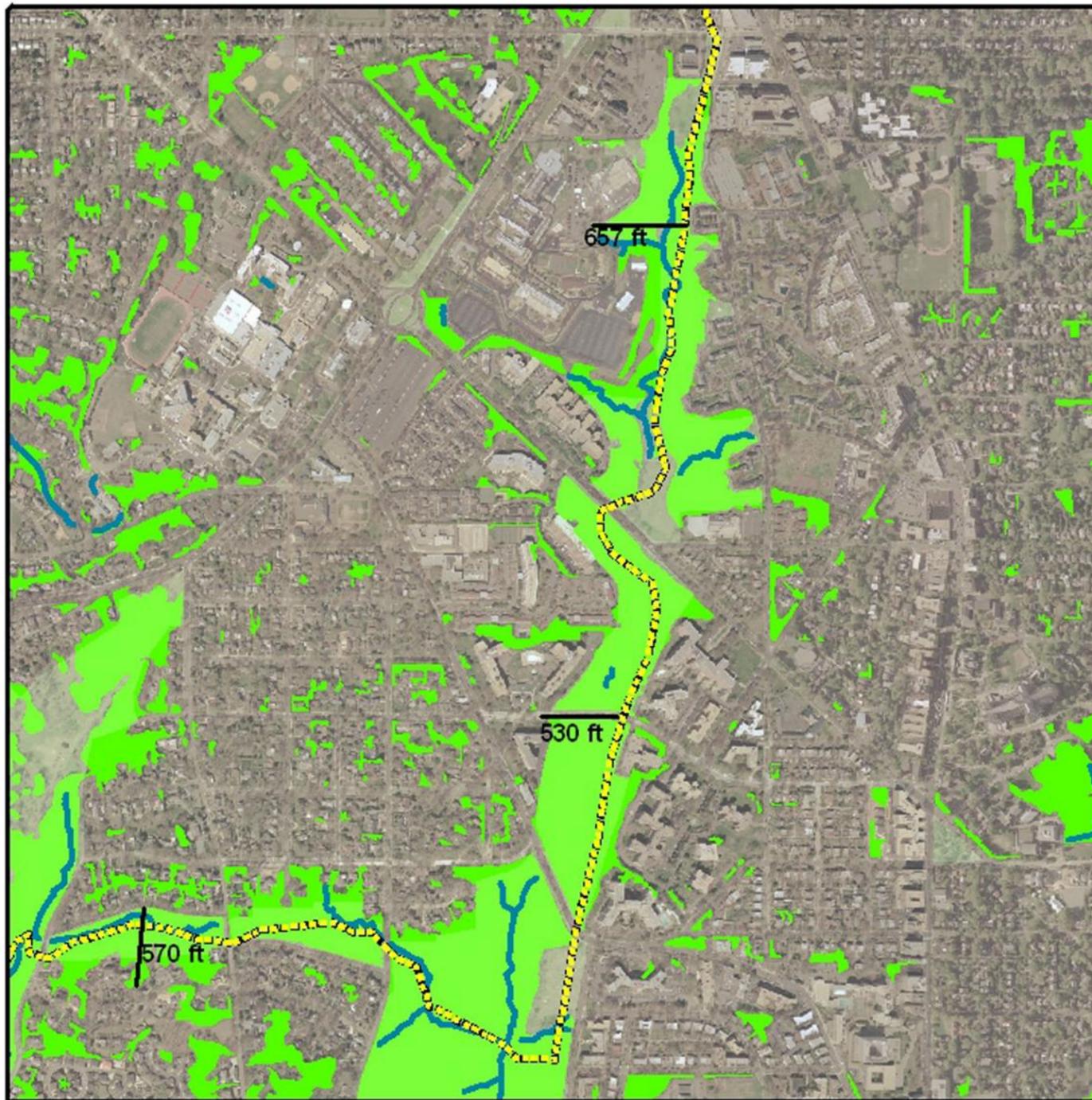
1 inch equals 1,250 feet

**Elevation
Elev. Ft.**

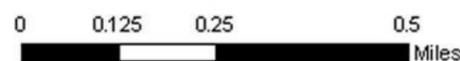
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- 300.0 - 341.5
- 257.000 - 300.0
- 214.0 - 257.000
- 172.0 - 214.0
- 130.0 - 172.0
- 88.0 - 130.0
- 45.0 - 88.0
- 3.0 - 45.0

DESCRIPTION

The existing trail travels up a hill through a ridge ranging from 25% slope and above. Steep slopes are located along the ridge close to the water. Gentle slopes are mainly located within the commercial areas of the site. The existing trail travels up a hill through a ridge ranging from 25% slope and higher.

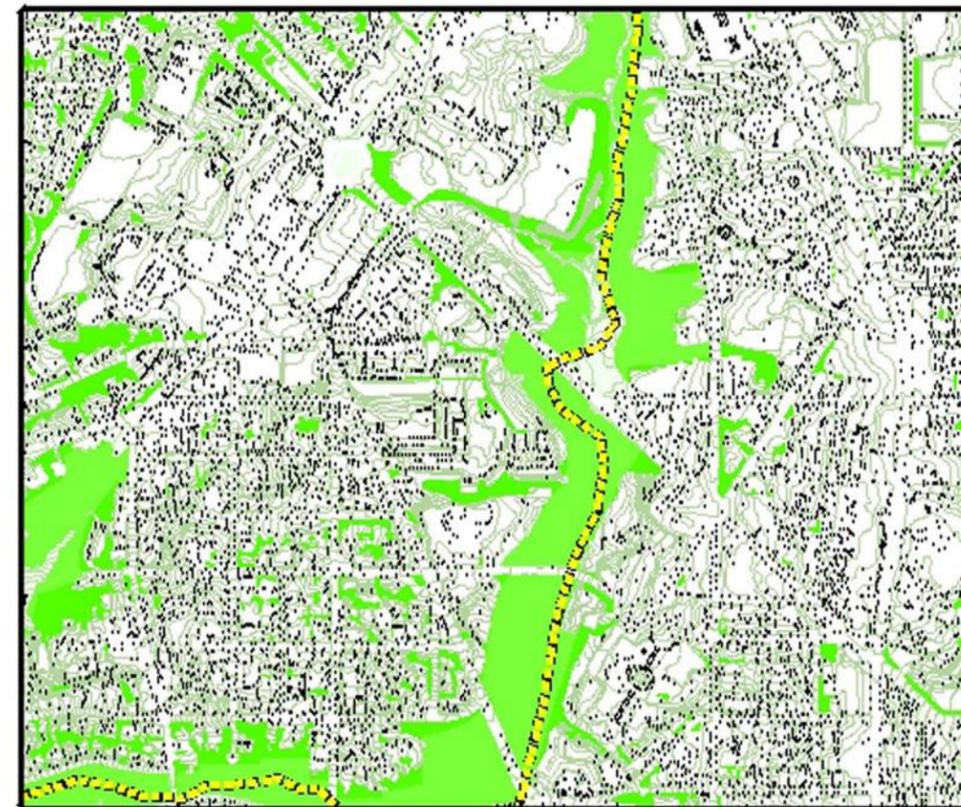


WATER, WETLANDS & WOODLANDS

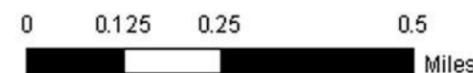


1 inch equals 1,000 feet

- Legend**
- Woodland
 - NPS park property
 - Hydrology
 - fcptrailjunction



TREE CANOPY AND WOODLANDS



1 inch equals 1,250 feet

- Legend**
- Tree point
 - NPS park property
 - Woodland
 - fcptrailjunction

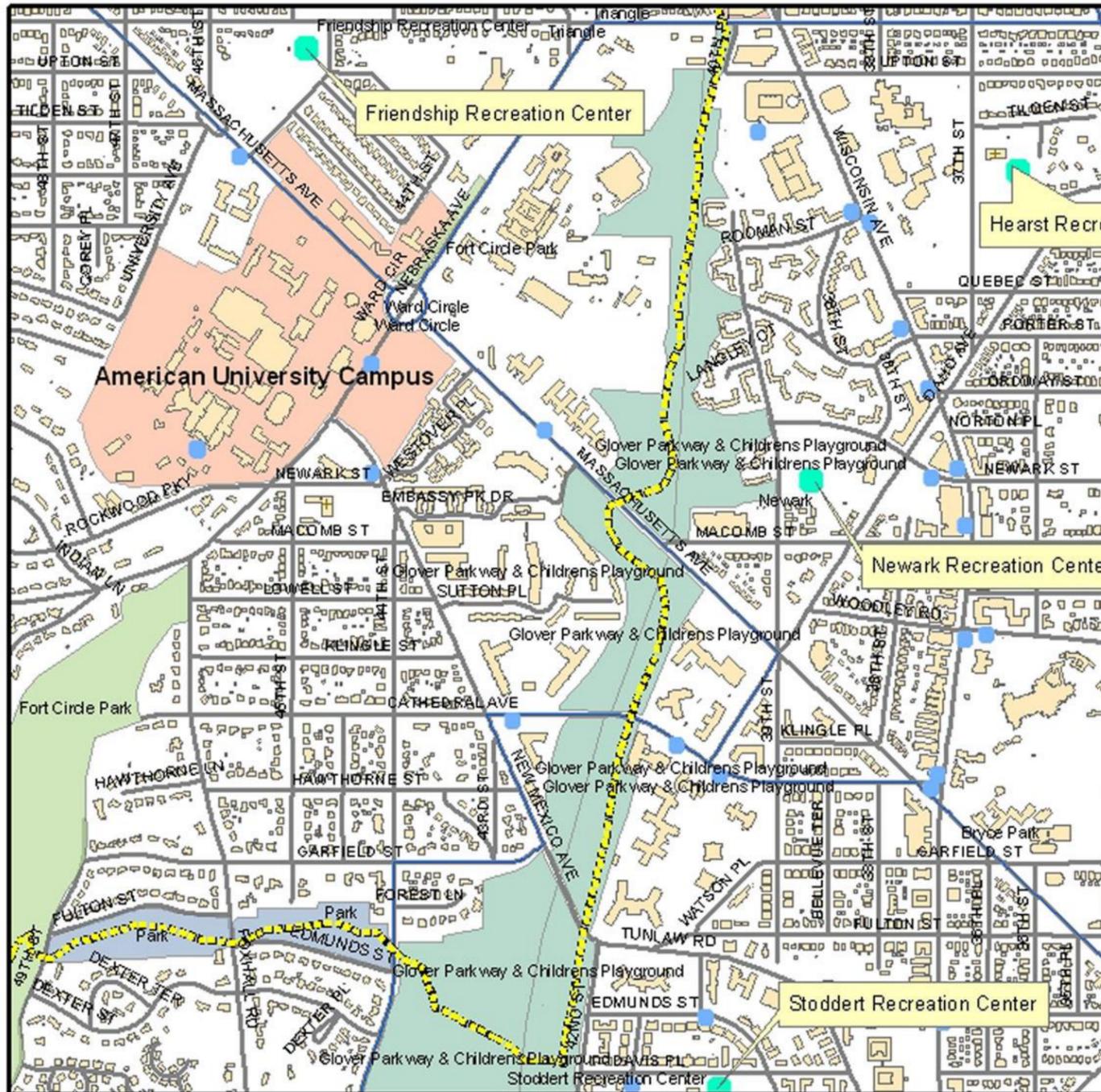
DESCRIPTION

The site is about 25% woodland and 75% urban residential. Glover Park contains playground facilities, biking and hiking pathways, and many animal habitats. The entire site for the proposed greenway and surrounding neighborhood are heavily wooded.

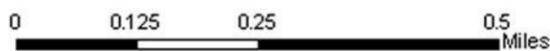
**FORT CIRCLE PARKS
GREENWAY**

WASHINGTON, D.C.





BUILDINGS, STREETS AND SIGNIFICANT CULTURAL FEATURES

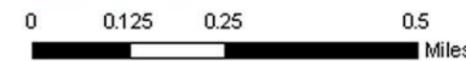


1 inch equals 1,000 feet

- Legend**
- public transportation
 - NAME
 - Fort Circle Park
 - Glover Parkway & Childrens Playground
 - Park
 - building
 - streets
 - school campus
 - police station
 - Recreational facilities
 - public point
 - school label
 - spatial function



ZONING



1 inch equals 1,250 feet

Legend

- streets
- zone polygon
- all other values-
- ZONING
- C-2-A
- C-2-B
- FED
- R-1-A
- R-1-B
- R-2
- R-5-A
- R-5-B
- R-5-D
- npspark property
- NAME
- Fort Circle Park
- Glover Parkway & Childrens Playground
- Park
- spatial function

DESCRIPTION

Major types of transportation include: bike, car or metro bus. Bus stops are mostly located to the north along the roads. Seven out of twenty-three bus stops located within a few feet of the property boundary. There are four stops are located along the Massachusetts. Ave, and four stops located along Cathedral Ave. The commercial areas (larger buildings) are located in the middle of the site.

FORT CIRCLE PARKS GREENWAY

WASHINGTON, D.C.



1. Direct connection to American University campus. Major roads have existing trees along the sidewalks. Pedestrian may walk to park safely.



2. Existing connections to greenway along the major road. Cars are permitted to parallel park along the sides of the roads.



3. Existing tree canopy and great views upward. Canopy may be used for shade or to frame views.



7. Existing trails to greenway along the major roads.



5. Existing connections to greenway along the main roads.



6. Existing connections to greenway along the main roads.



LOCATION OF PHOTOGRAPHS

1 inch equals 500 feet

Legend

- npspark property
- sisstreet arc
- fcptrailjunction

7. Existing trails to greenway along the major roads.



8. Great views into existing opens spaces.



9. Roadways and bus stop. Along major roads the park is metro accessible.



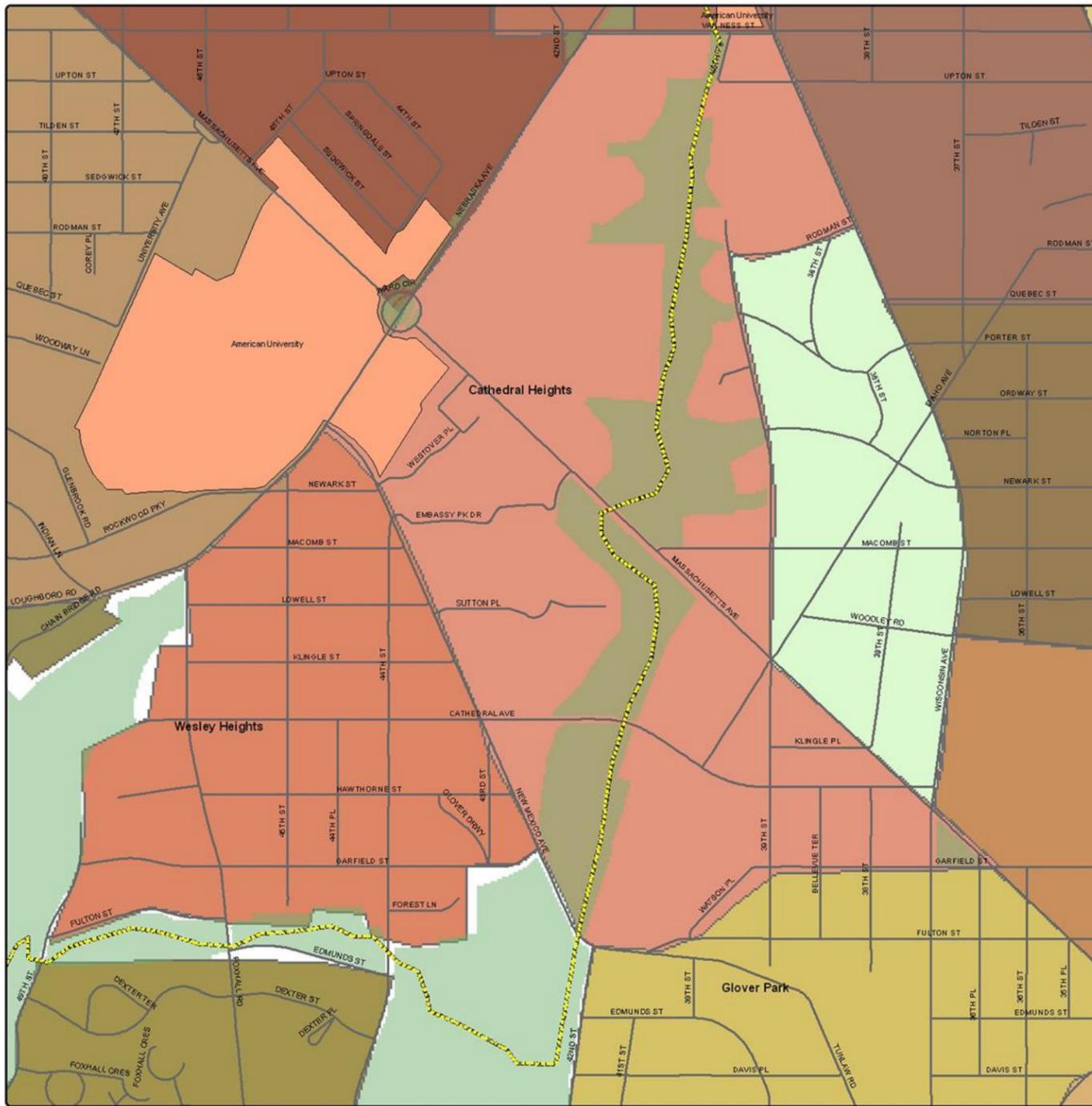
10. Existing shared neighborhood space and bike trail.

11. Neighborhood streetscape. Neighborhoods are well maintained.



12. Neighborhoods dead-end to the edge of park property. Some have existing trails. Easy access to the park.





- Legend**
- fcprtrajunction
 - streets
 - American University
 - npspark property
- NEIGHBORHOODS**
- <all other values>
 - American University Park
 - Cathedral Heights
 - Cleveland Park
 - Foxhall Crescent
 - Glover Park
 - Massachusetts Heights
 - North Cleveland Park
 - Palisades
 - Pleasant Plains
 - Southwest/Waterfront
 - Spring Valley
 - Tenleytown
 - Van Ness
 - Wesley Heights

NEIGHBORHOODS



1 inch equals 500 feet

USER NARRATIVES

CHILDREN (UNDER 18)

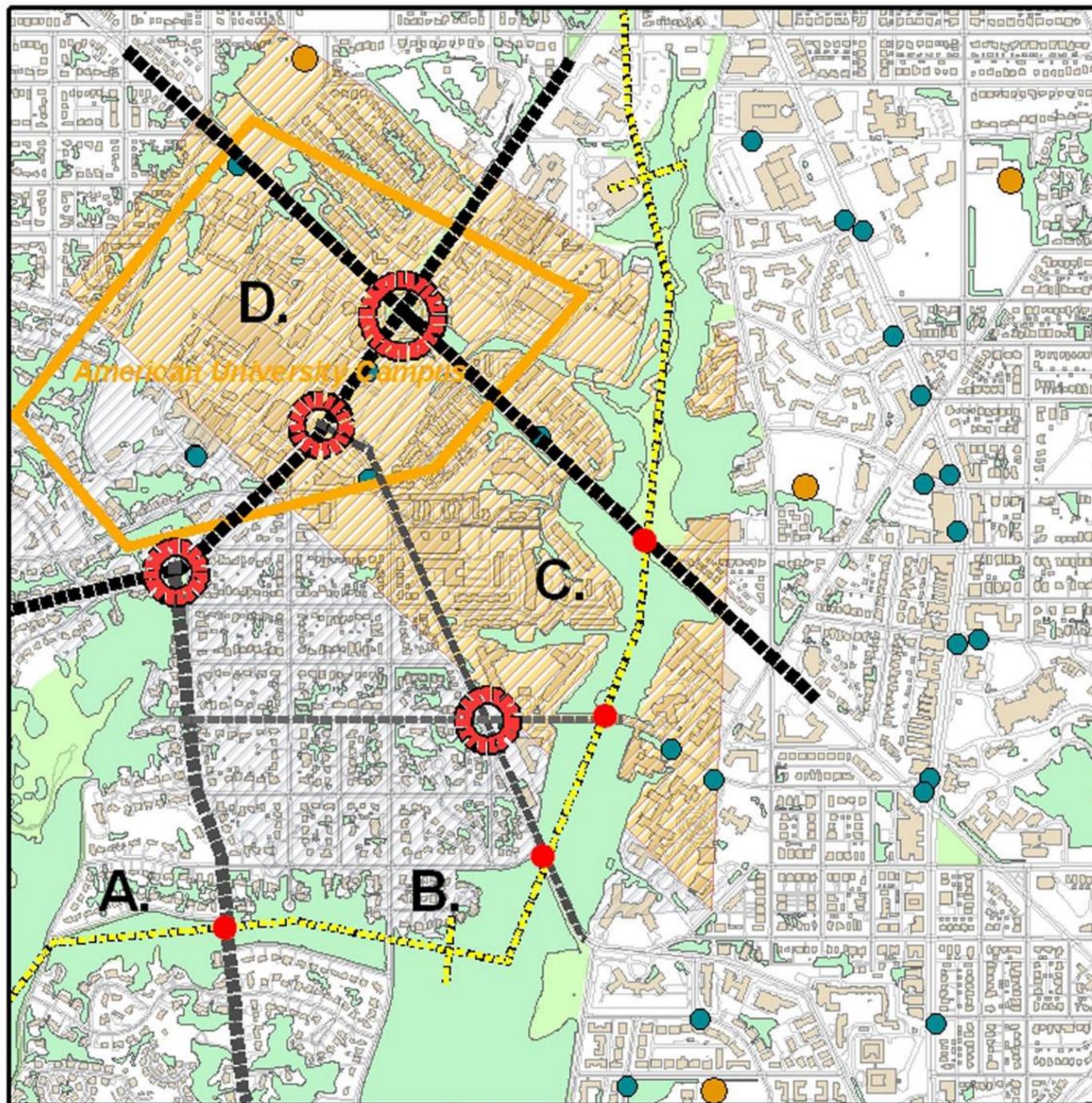
Today after school (around 2:10pm), my mommy picked me up from school. First we went home; I ate an afternoon snack and finished my homework. She then took my friends and I to park, because it was such a nice day outside. We played on the playground until the sun went down (about 6:00pm). I then went home and eat dinner.

STUDENT FROM AMERICAN UNIVERSITY (AGE 21 AND ABOVE)

After my first class, I walked outside and noticed how beautiful the day was. It was about 12:00pm, so I decided to take my lunch to the park. My next class did not start until 2:00pm, so I figured I had some time to kill. I grabbed my lunch and a newspaper, and went to the park. The Fort Circle Park was about a half mile away, so I walked there. I sat on one the benches read my paper and ate my lunch and before I knew it, it was time to go back. So I cleaned up my mess, grabbed my paper and left the park around 1:40pm.

DOG WALKER (AGE)42)

This morning was pretty routine. I woke up about 6:00am, got dressed and took the dogs for a walk. Like normal, I took them to Fort Circle Park where we walked and ran about 2 miles. We went up to the campus, made a big circle around the playgrounds and started back towards home. I returned home around 8:00am, I got dressed for work and left the house around 9:30am.



OPPORTUNITIES AND CONSTRAINTS

0 0.125 0.25 0.5 Miles

1 inch equals 1,000 feet

Legend

- greentrail
- Residential zone
- High activity zone
- nps park property
- street arc
- road polygon
- recreation center
- building polygon
- woodland polygon
- public transportation
- park crossing
- road crossing
- road connectors

DESCRIPTION

A. OPPORTUNITY

Opportunity to connect to Fort Kemble. The connection of greenways makes an easy transition through the park to the north.

CONSTRAINT

Invasive species from residential areas may continue to grow and spread from one greenway to the next. Maintenance will very necessary for the control of invasive spreading.

B. OPPORTUNITY

Opportunity for resident interaction and neighborhood activities at nearby park. They may use the greenway to explore other parts of the community, by walking instead of driving. Young children may also take advantage of play facilities.

CONSTRAINT

New Mexico Ave. and Cathedral Ave. may be dangerous to child crossing.

C. OPPORTUNITY

Opportunity for students and comerial patrons to use the park facilities. Bus stops are located about 3-5 miles away. Greenway connector overlaps shopping and commerical areas. Catholic churches and schools are within a couple miles from the park recreational facility

CONSTRAINT

Major street crossing at Massachusetts Ave. May be dangerous to patrons and children.

D. OPPORTUNITY

Opportunity for connection to American University students. Park may be used for educational purposes. This area is considered a high activity zone; traffic inflow will also come this area.

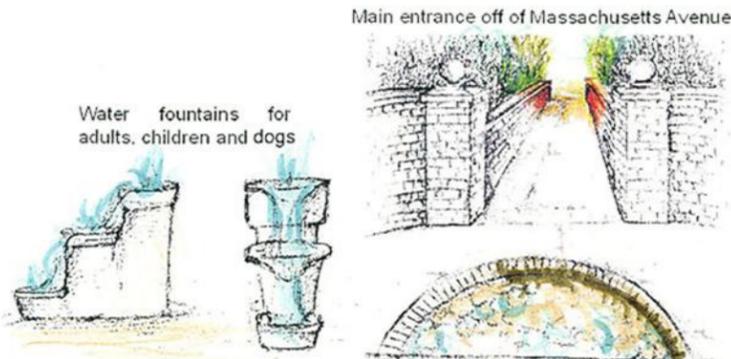
CONSTRAINT

Restrictions on park use may be placed on patron activities close to U.S. Naval Security Station. Major crossing at the circle may be dangerous to patrons. Noise pollution from overhead airplanes and roads.

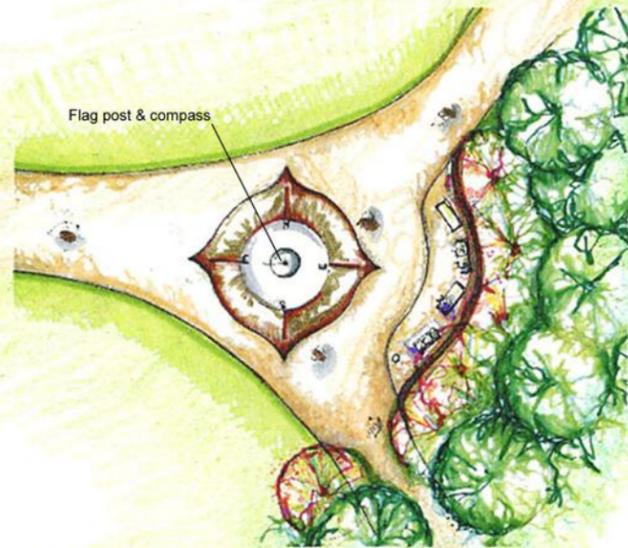


MASTER PLAN

SCALE: 1" = 500'



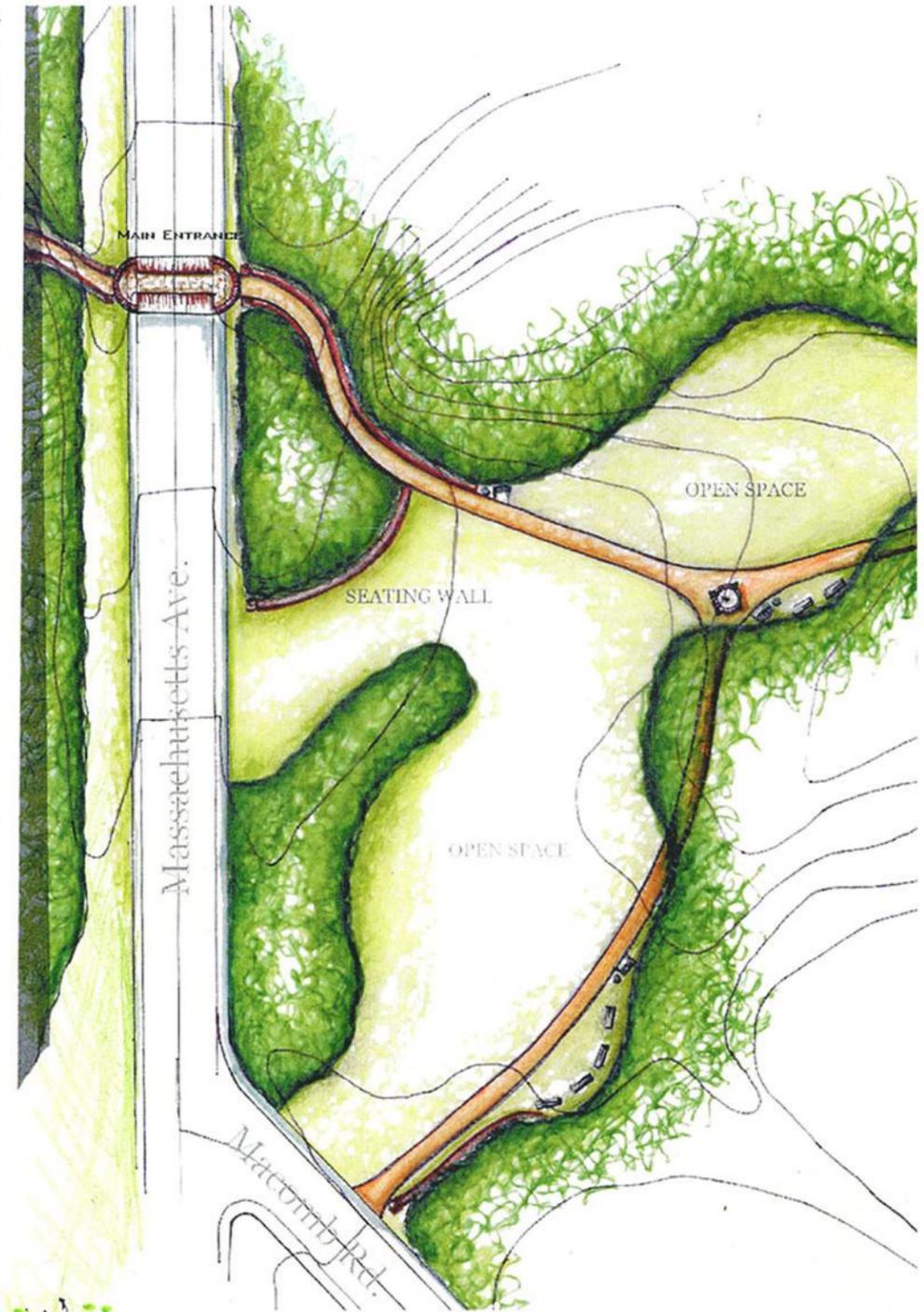
Plan view of Memorial flag, compass and seating



A perspective view of the Memorial flag, compass and



SCALE: 1" = 20'



MASSACHUSETTS MEADOWS SCALE: 1" = 4'



A cross section from the entrance to the corner of Macomb Road.

DESIGN SOLUTIONS

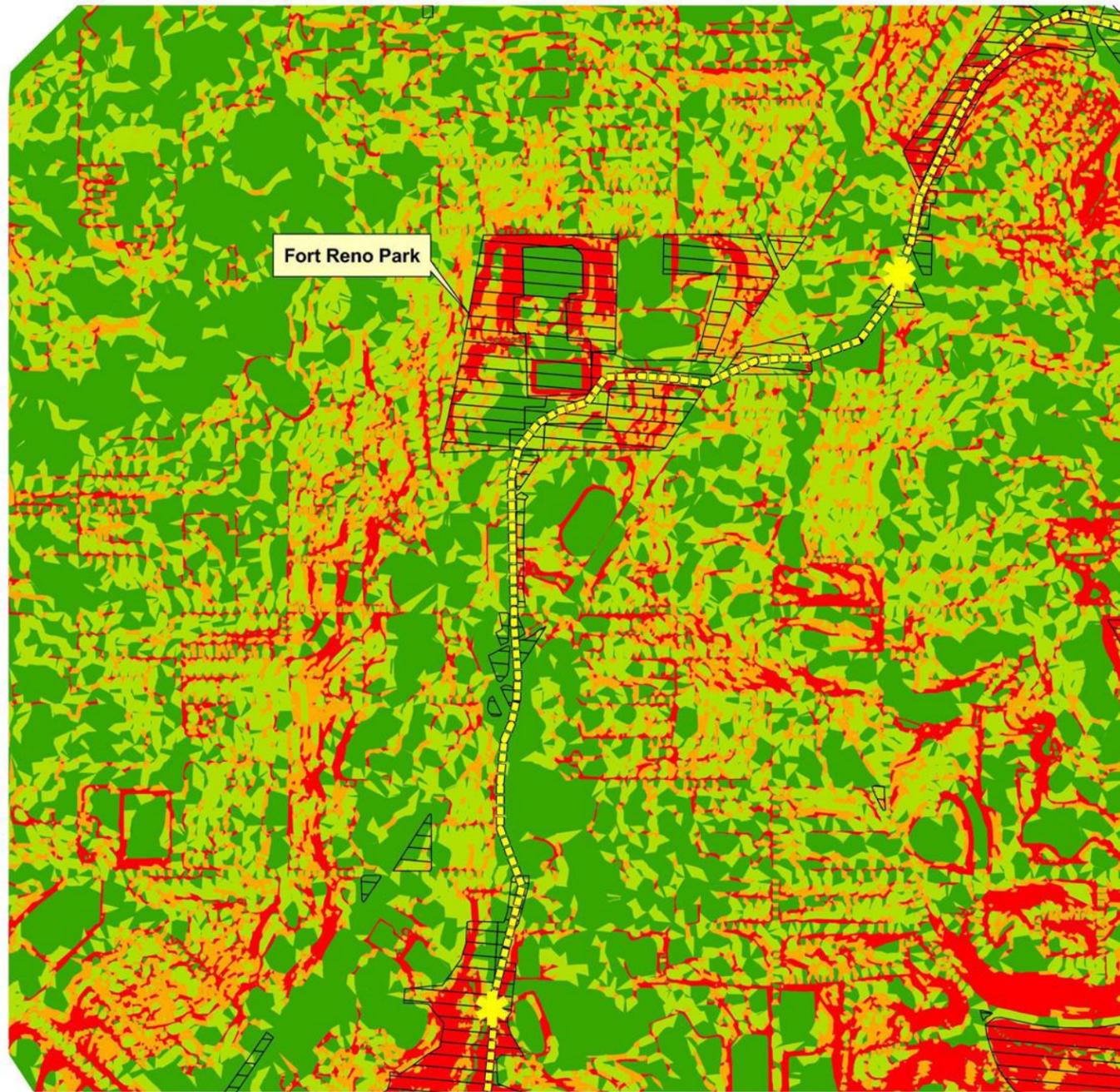
LITTLE FOREST PARK GREENWAY NEIGHBORHOOD

FORT CIRCLE PARKS GREENWAY
WASHINGTON, D.C.

2-7

SPRING
.2005

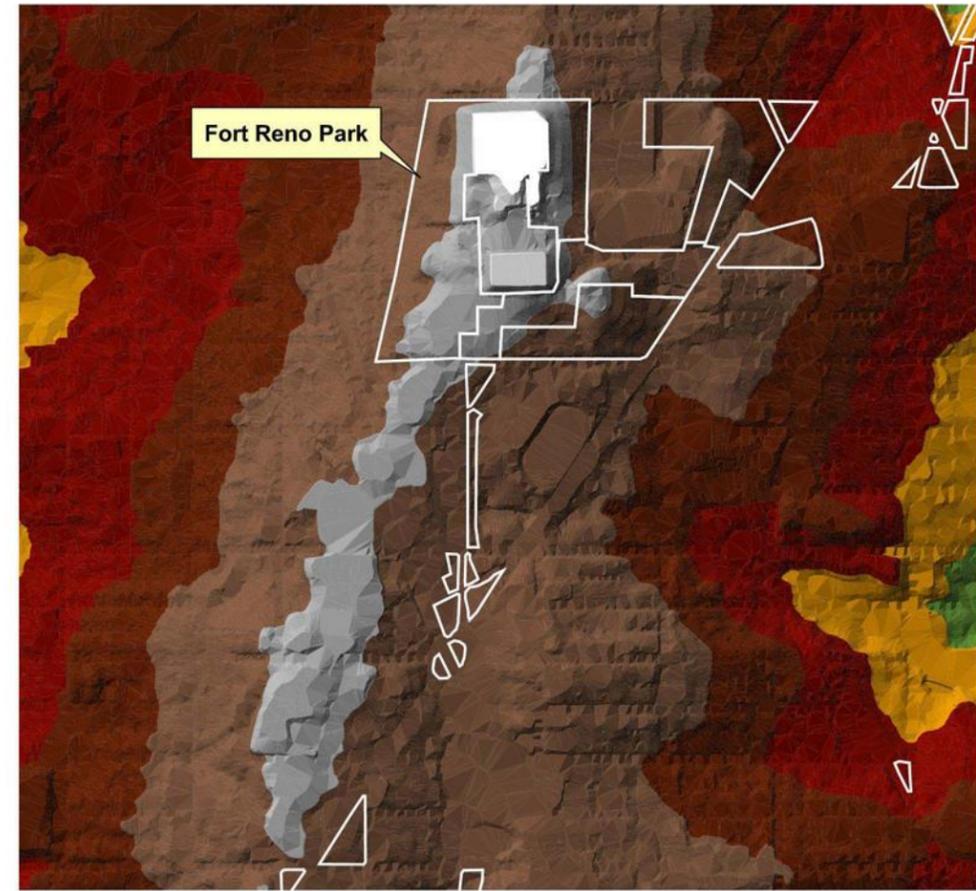
REGIONAL DESIGN STUDIO
UNIVERSITY OF MARYLAND
LANDSCAPE ARCHITECTURE PROGRAM
MOLLINE SMITH



SLOPE



- 0 - 8% Gentle
- 8 - 15% Moderate
- 15 - 25% Steep
- >25% Very Steep
- Park Properties
- Proposed Greenway Trail
- Greenway Junction Point



RELIEF

1 inch equals 1,000 feet

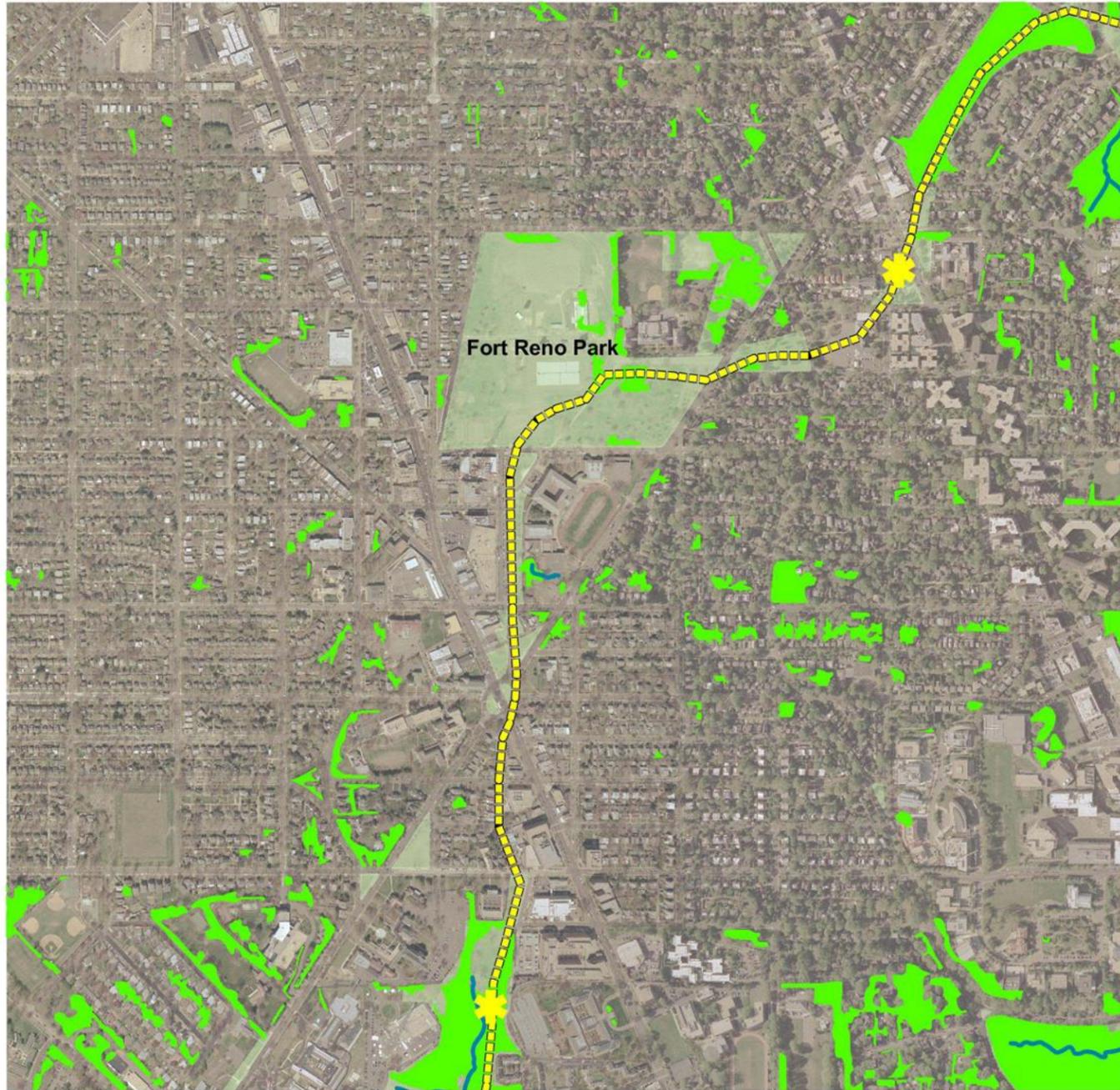
DESCRIPTION

Fort Reno is located at the highest elevation in Washington DC, 429 Feet, MSL.

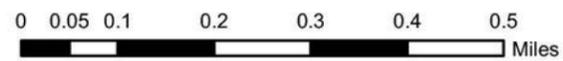
The proposed trail route is aligned along the North / South ridge in the Parcel.

Slope could be a consideration as the trail emerges from Glover Park in the Southern corner of the Parcel as well as where it passes through Fort Reno Park.

- 425 - 429 ft
- 400 - 425 ft
- 350 - 400 ft
- 325 - 350 ft
- 300 - 325 ft
- 275 - 300 ft
- 250 - 275 ft
- 225 - 250 ft
- 200 - 225 ft
- 187 - 200 ft

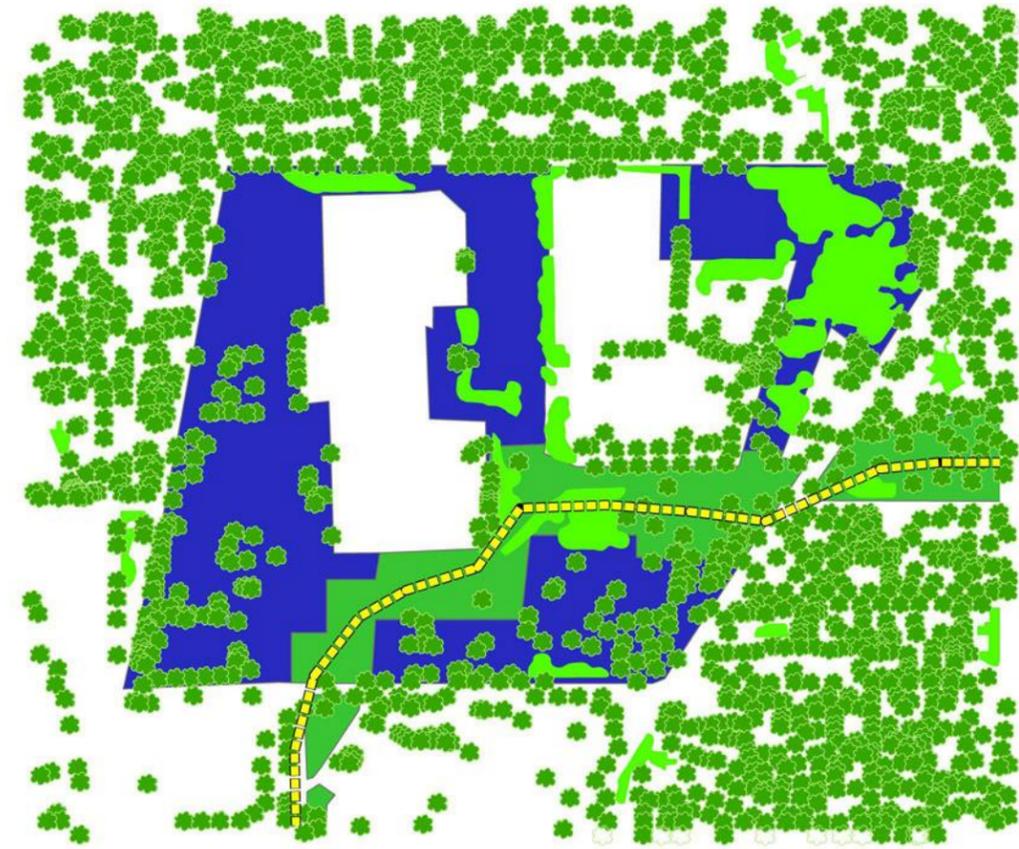


WOODLANDS AND WATER



1 inch equals 1,000 feet

- Park Properties
- Hydrology
- Woodlands
- Proposed Greenway Trail
- Greenway Junction Points



FORT RENO PARK

1 inch equals 500 feet

- Trees
- Woodlands
- Proposed Greenway Trail

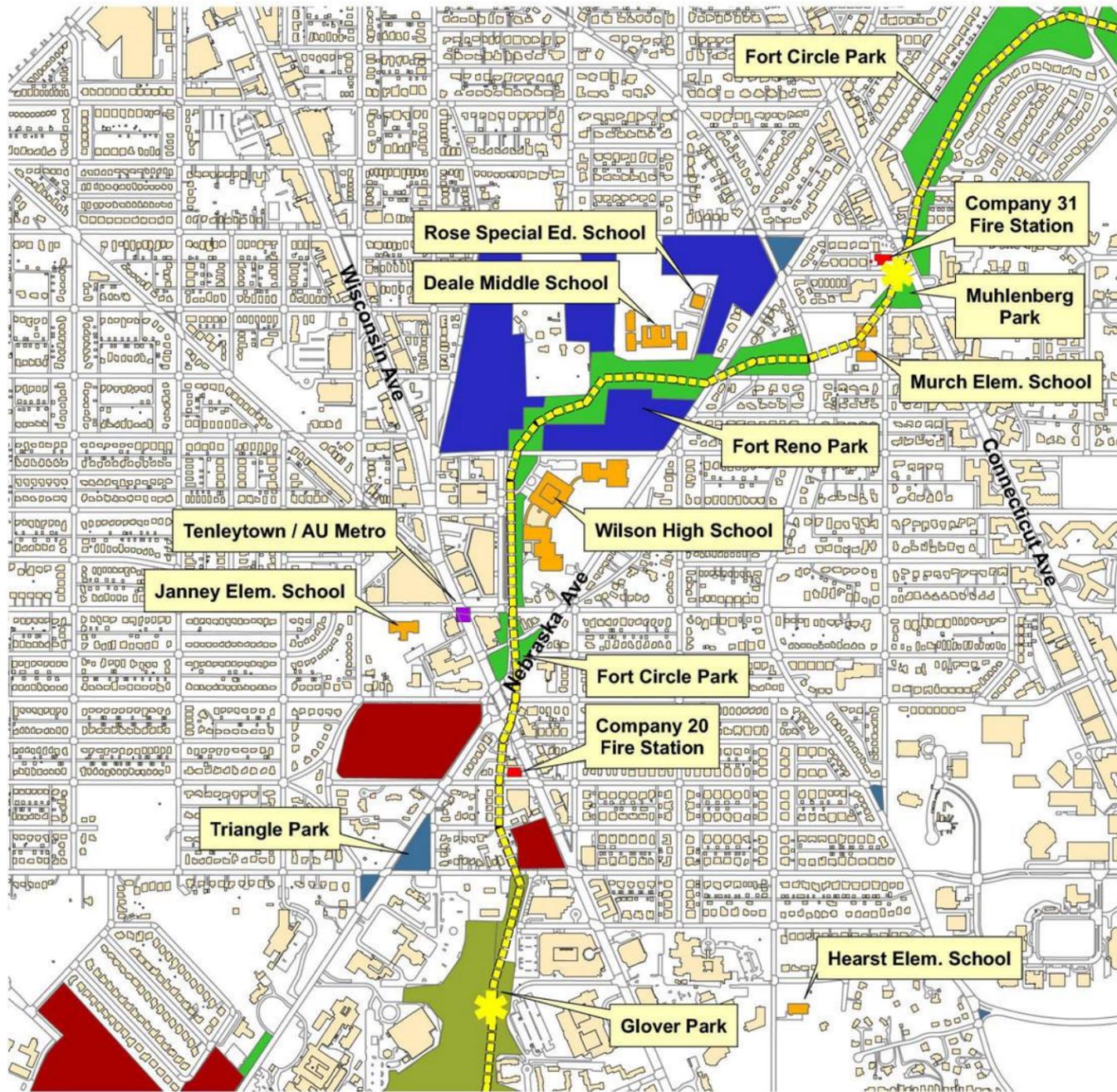
DESCRIPTION

Woodland cover in this neighborhood consists of small stands of trees, street trees and landscape plantings.

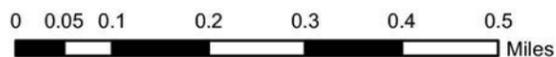
The largest contiguous stands of trees occur at both ends of the proposed trail where the trail transitions from parkland to urban land use.

Trail alignment should take into consideration location of specimen trees in the existing landscape.

Parcel Hydrology does not impact the proposed trail alignment.



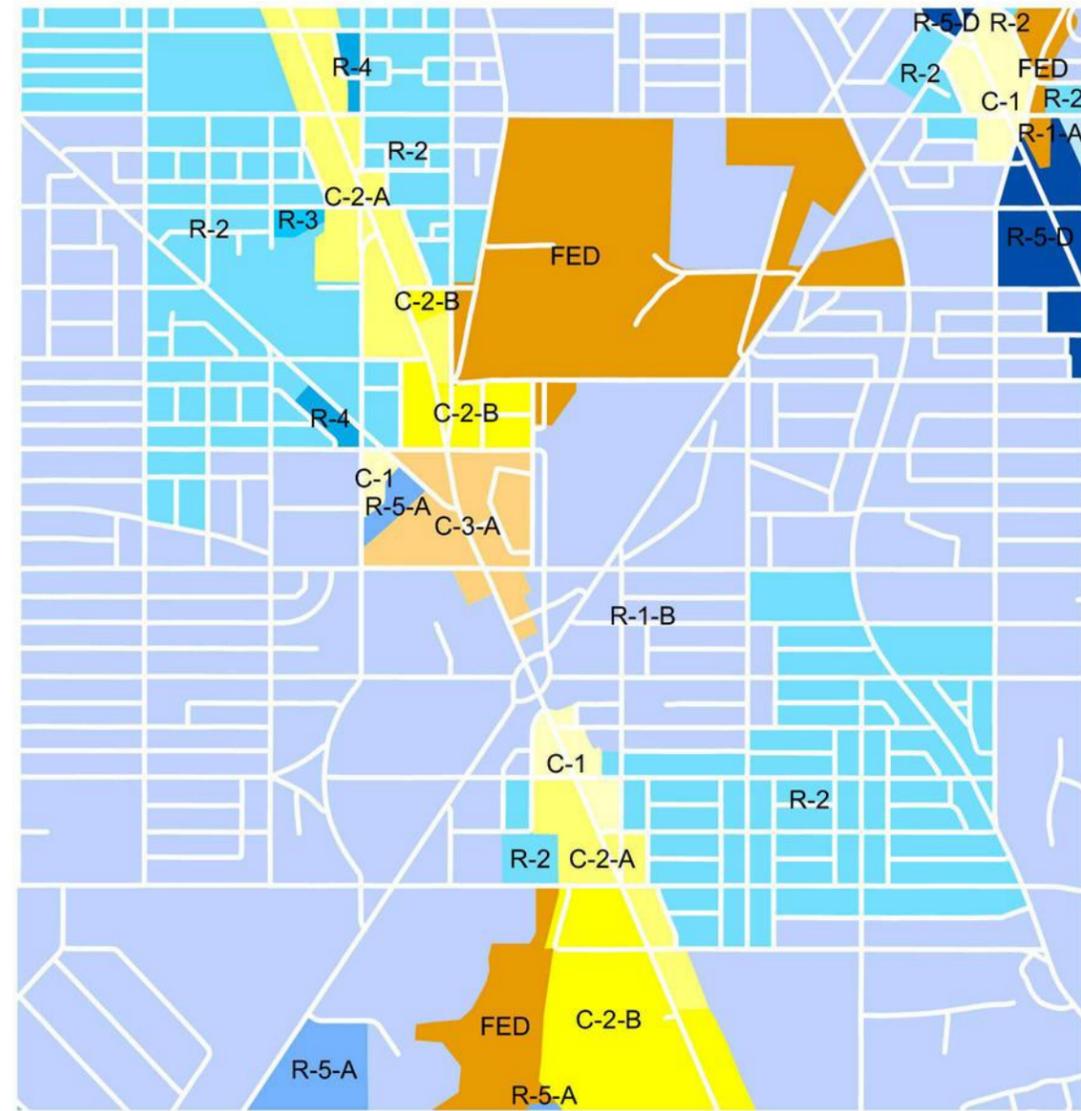
BUILDINGS, STREETS AND SIGNIFICANT CULTURAL FEATURES



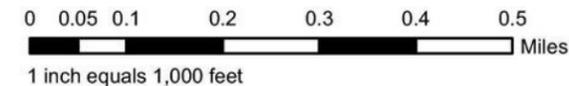
1 inch equals 1,000 feet

The Fort Reno section of the Fort Circle Greenway originates at the northern end of Glover Park and terminates almost at the western edge of Rock Creek Park. It is the only section of trail that begins and ends in a wooded area and passes through a well developed urban area in the center. Fort Reno Park, which would be the centerpiece of this section of the Greenway, is located at 429' MSL which is the highest elevation in the city of Washington and affords expansive views of the surrounding area and across into Virginia. Nearly continuous linkage is available for the Greenway on existing National Park Service Properties.

- Fire Stations
- Metro Station
- Roads
- Buildings
- American University
- Public Schools
- Proposed Greenway Trail
- ★ Greenway Junction Points



ZONING



1 inch equals 1,000 feet

DESCRIPTION

This neighborhood contains a mixture of Residential and Commercial Zoning.

Primary Commercial Corridors line Wisconsin Avenue and Connecticut Avenue.

Nebraska Avenue parallels the proposed Greenway Route.

Current Greenway routing does not align with existing roadways and pedestrian pathways.

- C-1
- C-2-A
- C-2-B
- C-3-A
- FED
- R-1-A
- R-1-B
- R-2
- R-3
- R-4
- R-5-A
- R-5-B
- R-5-D



PHOTOGRAPHIC INVENTORY



1. Glover Park Trail



2. Van Ness Street Trail



3. Van Ness Street Park



4. Nebraska Avenue Trail

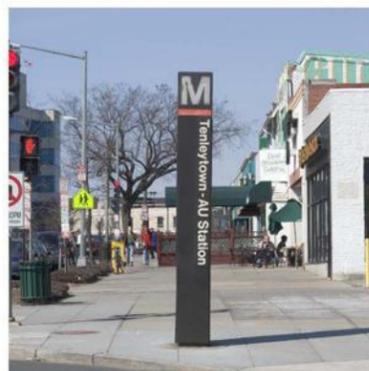


5. Tenley Circle

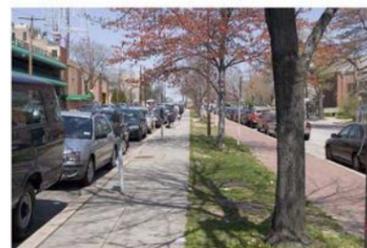


LOCATION OF PHOTOGRAPHS

1 inch equals 500 Feet



6. Tenleytown Metro



7. Fort Reno Drive



8. Fort Reno Park



9. View from Fort Reno



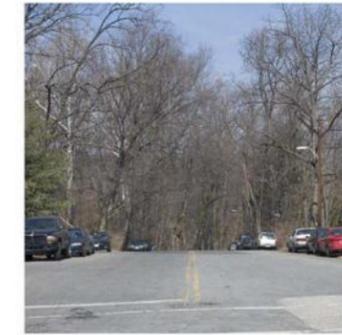
10. Deale Middle School



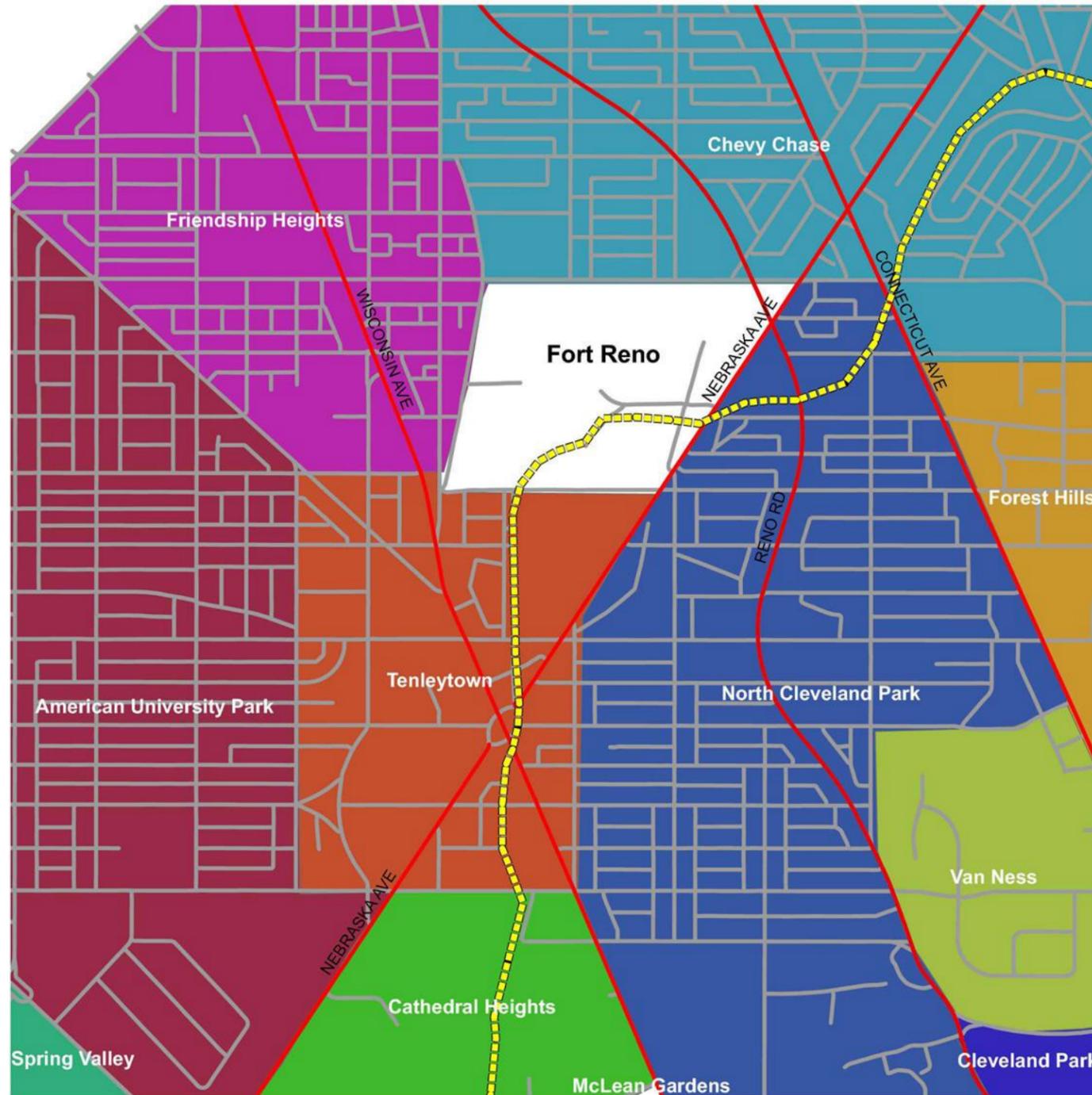
11. Davenport Street Fort Circle Park



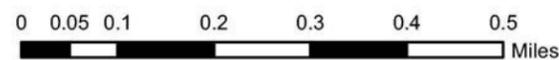
12. Connecticut Avenue Streetscape



13. 34th Street View into Fort Circle Parkland



NEIGHBORHOODS



1 inch equals 1,000 feet

--- NPS Proposed Greenway Trail

DESCRIPTION

The Fort Reno Neighborhood consists of a mix of single family homes, apartment buildings and light commercial. The primary users from these neighborhoods span all age groups with no single dominant age group. The primary objective of the Greenway as it passes through this neighborhood is to provide a connection between the small pocket parks that can be created along the trail. The primary park property in this neighborhood is Fort Reno Park. The park is used by a wide cross section of the immediate residents of the surrounding community as well as residents from other parts of the metropolitan area. Located at 429' above sea level the park affords views into the city, Virginia and Maryland. Fort Reno Park has sports playing fields, tennis courts and community gardens as well as open space and is heavily used by the community. The addition of smaller pocket park spaces at Van Ness and Davenport Streets along the Fort Reno section of the Greenway will provide relief to the growing congestion of the city and allow more of the residents of the area to find relief in a natural setting.

USER NARRATIVES

AMATEUR ASTRONOMERS

I leave my home in North Cleveland Park and pick up the Fort Circle Greenway as it runs down Nebraska Avenue. I stop at the Starbucks on Wisconsin Ave. and meet several fellow star gazers and we walk over to the front of Wilson High School where we meet the president of our club who has brought the club telescopes. He parks the car and we pack the gear to the highest point at Fort Reno Park to watch the eclipse of Mars. After several hours we pack up our equipment and return home.

WALKERS

Every Tuesday and Thursday a group gets together at the Asbury Methodist Home on Connecticut Avenue for our walking club. We pick up the Fort Circle Greenway where it crosses Connecticut Avenue and head west towards American University and Archbold Glover Park. The trail threads through North Cleveland Park and takes us through Fort Reno Park. We proceed across Wisconsin Avenue and walk down to the new park at Van Ness Street. We pause and rest on the benches that line the trail in the allée of trees along Nebraska Avenue.

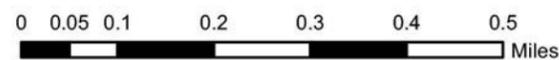
STUDENTS

I use the Fort Circle Greenway along Nebraska Avenue to walk to the Tenelytown / AU Metro Station to pick up the subway to get to my job in Bethesda MD when the weather is good. I pick up the trail as it passes the AU campus and follow it east toward Tenelytown. In the evening I walk home the same way. During the summer concerts are held on the lawn in the park at Van Ness Street and I stop to listen to local musicians play. The turn outs have been getting better over the last few years and people are starting to come from other parts of the city to enjoy the music.





OPPORTUNITIES AND CONSTRAINTS



1 inch equals 1,000 feet



- NPS Proposed Greenway Trail
- Alternate Off Road Trail
- Alternate Trail Road Crossing
- American University
- Public Schools

- A**
 - Opportunity**
Transition from wooded area into residential neighborhood
Route trail west up toward Nebraska Ave to include existing Fort Circle Park property.
 - Constraint**
High slope area where trail traverses northern end of Glover Archbold Park.
NPS trail routing blocked by existing buildings.
- B**
 - Opportunity**
Create landscaped park in existing grass triangle park.
 - Constraint**
Routing of trail across parkland and Nebraska Ave.
- C**
 - Opportunity**
Develop Tenley Circle into a gateway park area with pedestrian bridge across Wisconsin Avenue.
 - Constraint**
High volume intersection.
Difficult pedestrian crossing.
- D**
 - Opportunity**
Create linkage to commercial area on Wisconsin Ave.
Access point to Metro Service at the Tenleytown / AU Metro stop.
Convert Fort Reno Drive into Pedestrian Mall.
 - Constraint**
Conversion of public roads into Greenway use.
- E**
 - Opportunity**
Views of the city skyline and into Virginia from top of hill in Fort Reno Park
Recreational fields at Fort Reno Park.
Concerts during summer months.
Focal community gathering point
Community gardens
 - Constraint**
Park needs landscaping and signage to inform public about Civil War history.
No public restrooms available.
- F**
 - Opportunity**
Direct linkage to two schools
 - Constraint**
The proximity of the trail to nearby school could be perceived as a student safety issue.
- G**
 - Opportunity**
Opportunity to create small pocket park.
Linkage to Elementary School.
 - Constraint**
Right of way to cross school property.
Difficult road crossing at Reno Road.
The proximity of the trail to nearby school could be perceived as a student safety issue.
- H**



DESIGN SOLUTIONS



NEIGHBORHOOD MAP
1 inch equals 500 feet



VAN NESS STREET PARK
Scale 1" = 40'



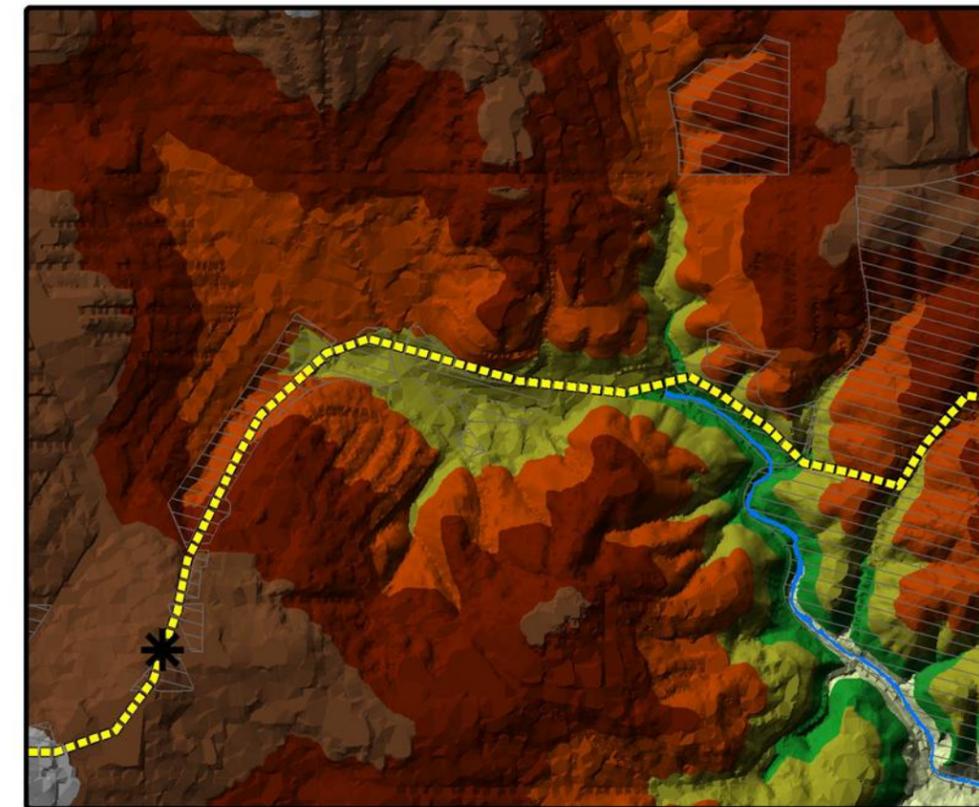
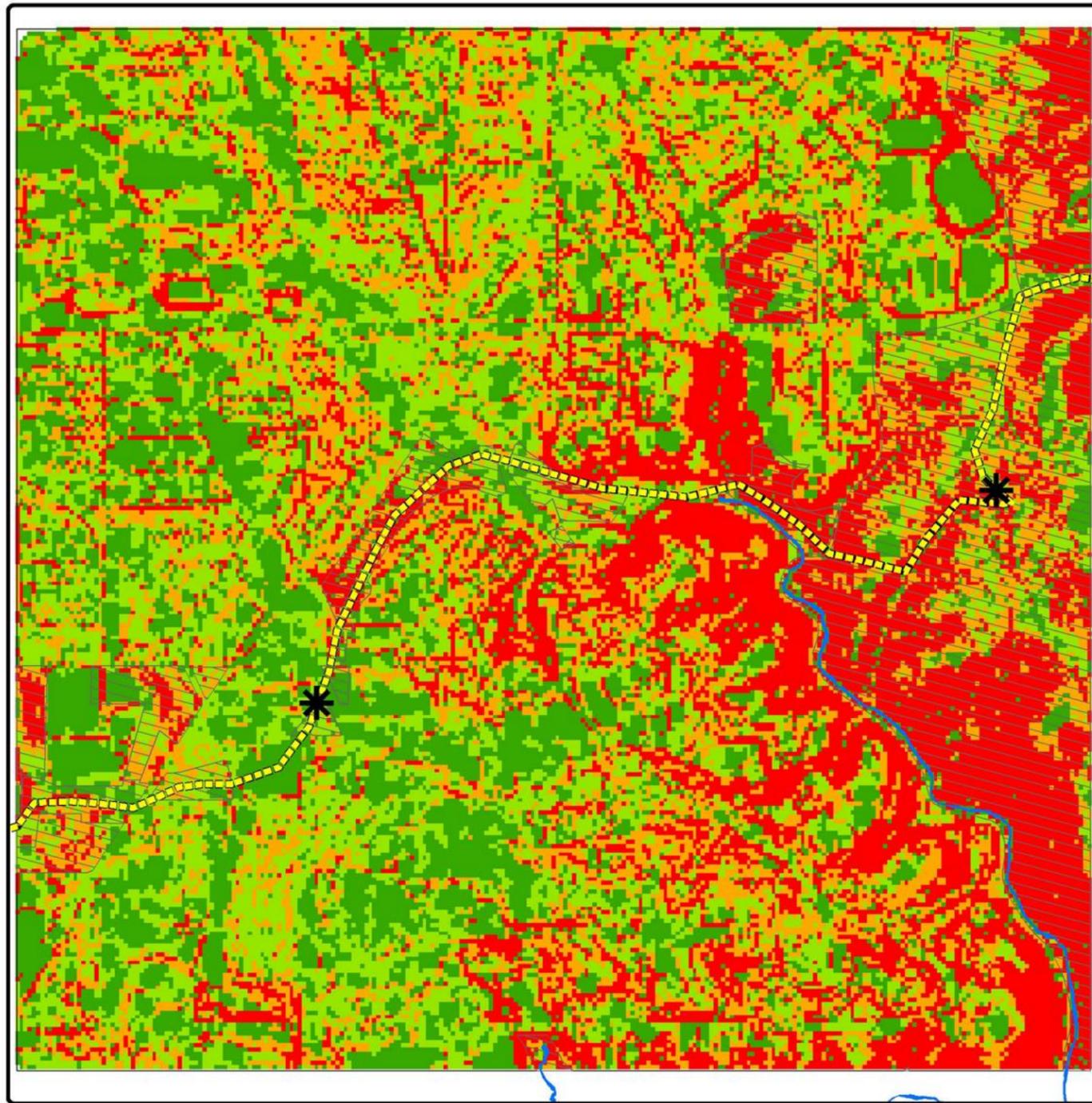
Nebraska Avenue Allee



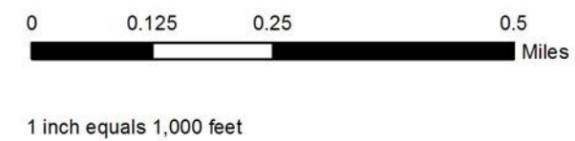
Van Ness Park Greenspace



Van Ness Park Plaza



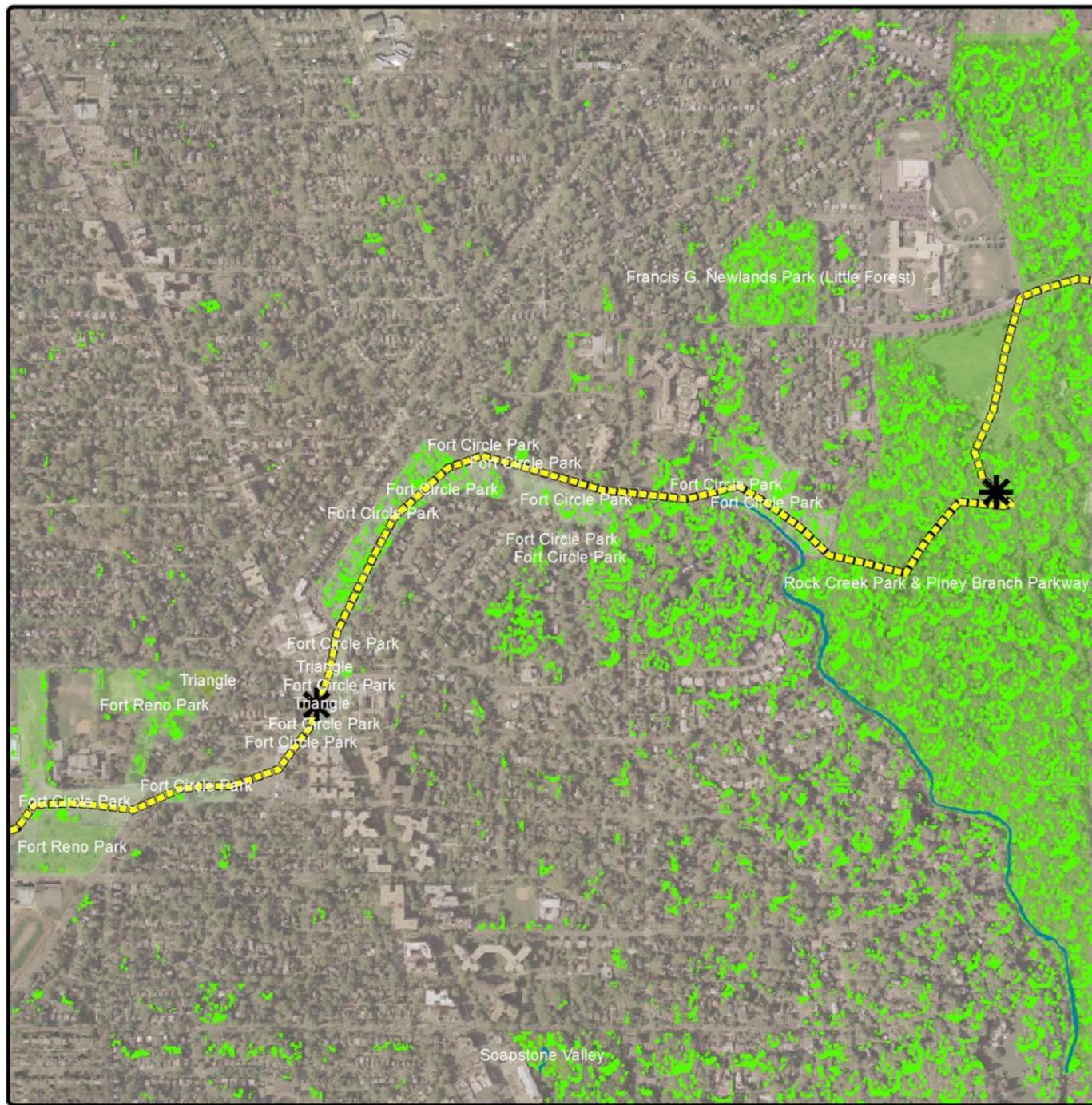
RELIEF



DESCRIPTION

The proposed trail runs through the part of the neighborhood that consists of mostly high slopes. The steepest parts are near Broad Branch. The trail also meets the end of Broad Branch, which stems from Rock Creek.

The relief map shows the elevation changes in the neighborhood.



WATER & WOODLANDS

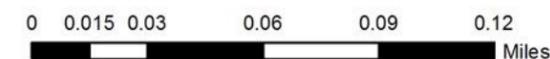


1 inch equals 1,000 feet

- Trail Junctions
- NPS proposed trail
- Pond
- River
- Fort Circle Park
- Fort Reno Park
- Francis G. Newlands Park (Little Forest)
- Rock Creek Park & Piney Branch Parkway
- Soapstone Valley
- Triangle
- Woodland



FOCUS AREA TOPOGRAPHY



1 inch equals 250 feet

- Trail junctions
- NPS proposed trail
- Water

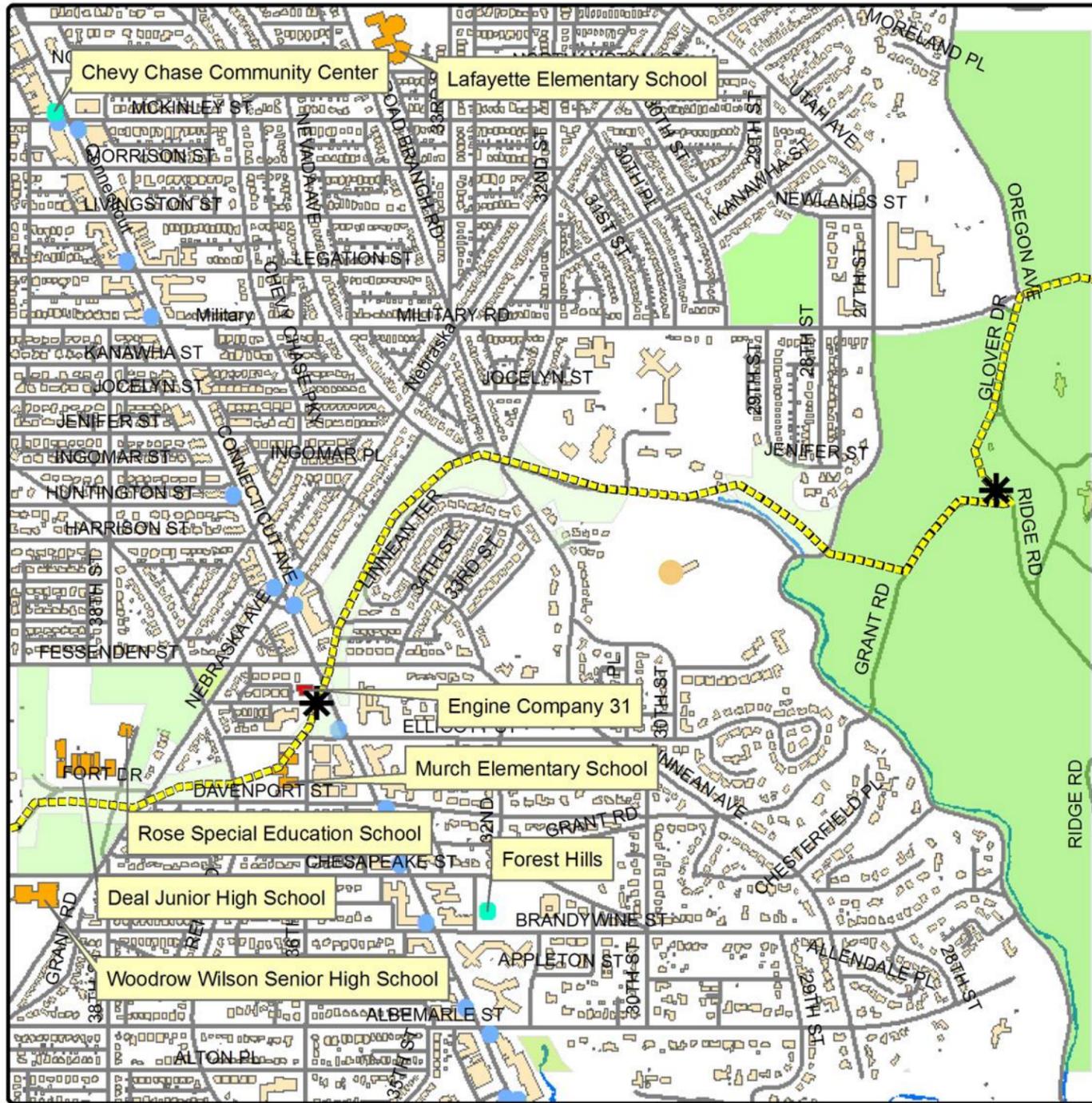
DESCRIPTION

The trail is through a wooded area. The Francis G. Newlands Park is also referred to as Little Forest because it is a little forest in Washington, D.C. Part of the trail runs along the back of Peruvian Government property that is also wooded. This property is also on steep slopes that provide a view towards Broad Branch.

**FORT CIRCLE PARKS
GREENWAY**

WASHINGTON, D.C.





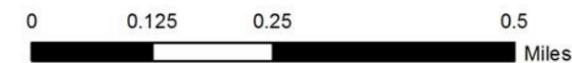
BUILDINGS, STREETS & SIGNIFICANT CULTURAL FEATURES



LITTLE FOREST PARK GREENWAY NEIGHBORHOOD



ZONING



1 inch equals 1,000 feet

DESCRIPTION

The trail is located mostly in the Chevy Chase Neighborhood of Washington D.C.

The neighborhood consists of mostly buildings and houses. There are a few schools around the area and a firestation, but there are some bus stops.

The proposed trail runs through an area that is mostly low density residential with some medium and high density residential. There are also some low density commercial developments.

The trail passes through the back of an area that is owned by the Peruvian government. The Peruvian Ambassador to the U.S. Ricardo V. Luna, resides in a mansion on that property.

FORT CIRCLE PARKS GREENWAY
WASHINGTON, D.C.



1. Trees surround the property of the Government of Peru

2. Ornamental trees provide beautiful landscapes in the neighborhoods surrounding the trail



3. Trees and other vegetation surrounding Broad Branch, creating canopies around the water

4. High end residential neighborhood surrounding proposed trail



5. Habitat for deer population surrounding Broad Branch

6. Fire Station Engine Company 31 on Connecticut Avenue



LOCATION OF PHOTOGRAPHS

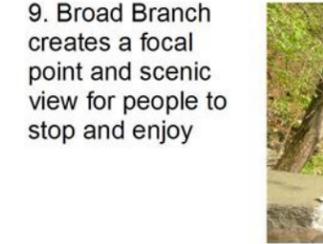


1 inch equals 1,000 feet

7. Peruvian Government Property Gate at Garrison and 30th



8. High slopes surrounding trail path along Broad Branch



9. Broad Branch creates a focal point and scenic view for people to stop and enjoy



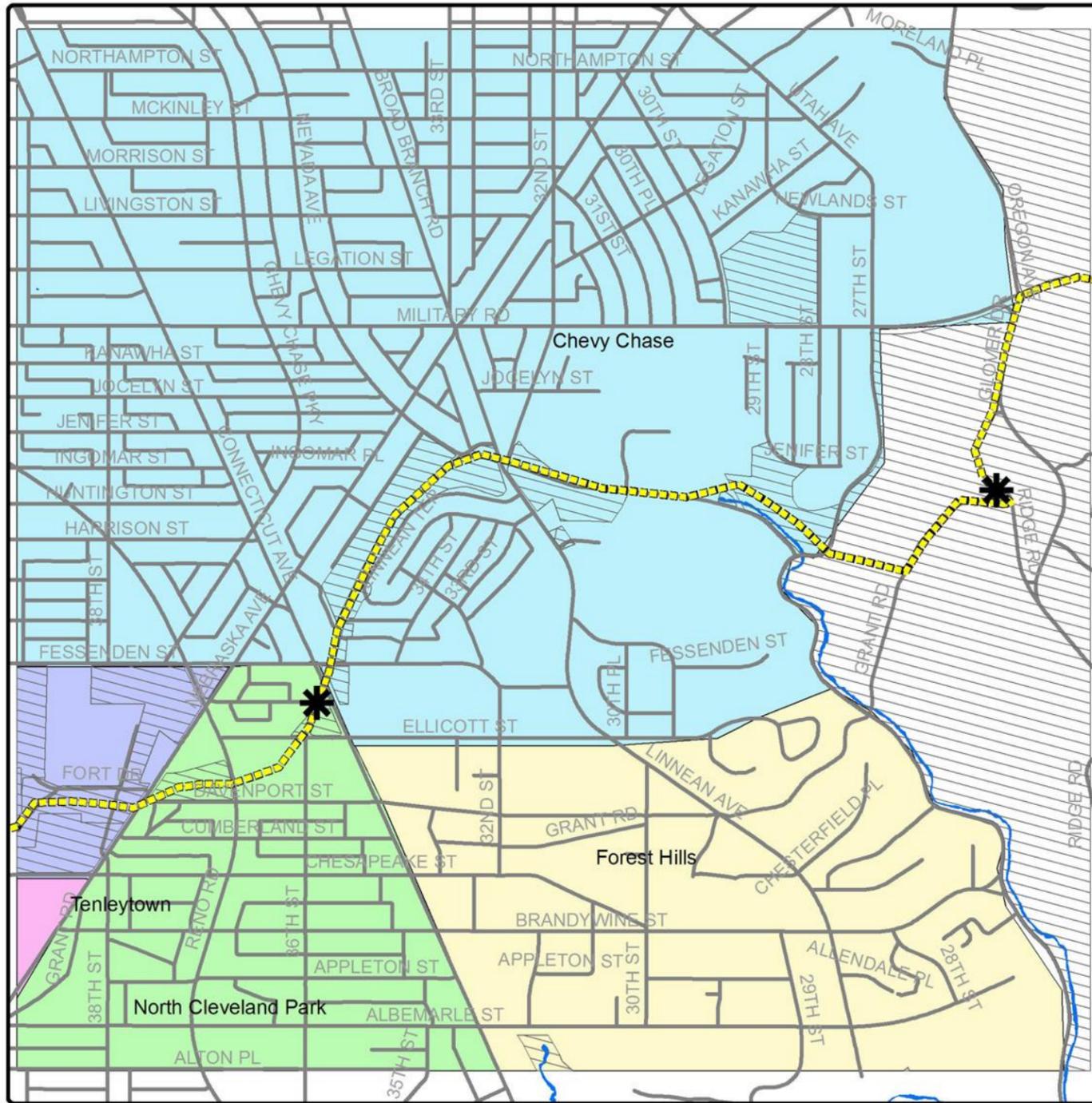
10. Foot path created alongside Broad Branch



11. Small area of low density commercial area on Connecticut



12. Parking alongside 36th, area behind commercial development that leads toward housing



NEIGHBORHOODS



- Trail junctions
- NPS proposed trail
- NPS Parks
- NEIGHBORHOODS**
- Others
- Chevy Chase
- Forest Hills
- North Cleveland Park
- Tenleytown

DESCRIPTION

The Neighborhood consists of mostly between .4% and .8% children. This is probable because most of the proposed trail runs through an area that is low density residential.

USER NARRATIVES

BIRD WATCHERS

We are very happy with the yield of the trip, if you bear in mind that during 5 days we were doing bird watching only for 2-3 hours per day. In those 5 days we saw 40 different species, without leaving Washington, D.C (or, better to say, the city area, as we birded at Arlington too). In our only free day being on our own, we saw 12 new different ones (and that was still the Potomac River around D.C.); that means we identified about 50 different species in Washington, and I think that's a very good number for a city. Although, in the whole 9 days we managed to miss some species such as Herring Gull, Wood Thrush, Chipping Sparrow and Prairie Warbler, that are supposed to be very to fairly common in the area and nearly missed were Song Sparrow and Common Yellowthroat, which were seen only once each, considering the amount of apparently suitable habitat we passed through. The star birds of the trip for us were: Ruby-throated Hummingbirds and the wild hummingbird because this was our most intense desire and we had never seen one alive; Cliff Swallow, as it is one of our favorite American birds because we find it very pretty; and King Rail, Upland Sandpiper and Loggerhead Shrike, because they are rare in the area and are always hits. Not to forget, those birds belonging to endemic American families (Parulidae, Icteridae, Mimidae, etc) which we were anxious to see.

WALKERS

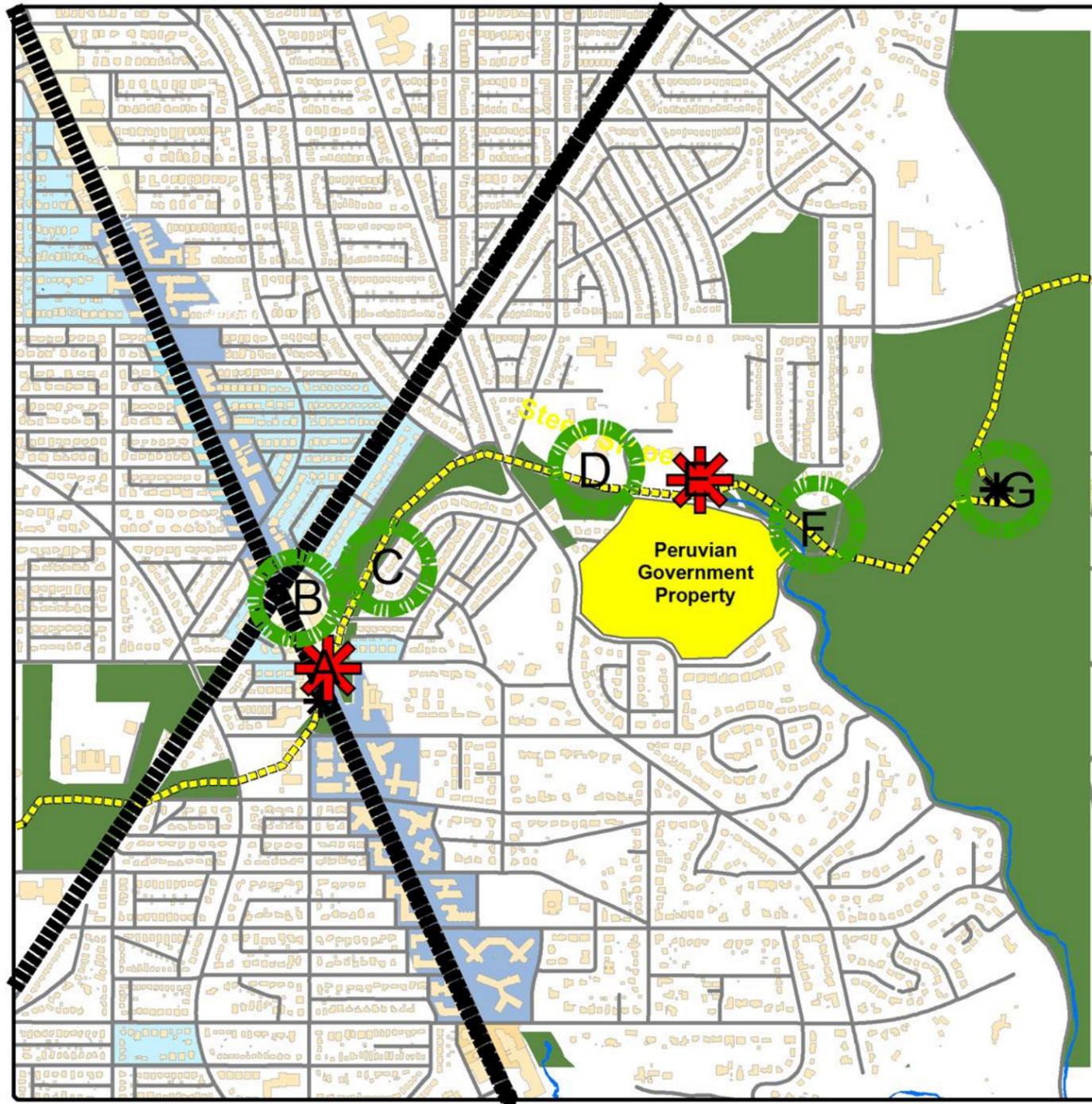
I'm a mother of two and every day after I drop my children off for school, I walk in the park near my neighborhood, Rock Creek Park. I live in the Chevy Chase neighborhood. I walk for about an hour each day to start my day. I usually see other mothers there with their young children. Afterwards, I go home to clean the house and run some errands. When the school day ends, I pick my kids up and twice a week we go to the park to give them some exercise. They run around and do their own activities while I watch and mingle with other park visitors.

CHILDREN

I'm an 8 year old boy. I go Murch Elementary school, which is located in the Cleveland Park neighborhood. After school, I go to Fort Circle Park on the way home and play with my friends. Sometimes we just run around playing tag or any game we can make up. We stay there for about an hour and then go home. When I go home I do my homework and if there is still daylight left, I play with my friends some more.

FORT CIRCLE PARKS GREENWAY
WASHINGTON, D.C.

COMPOSITE ANALYSIS

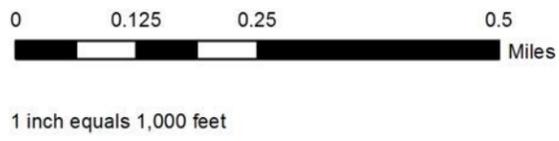


- A CONSTRAINT**
Crossing through commercial area
- B OPPORTUNITY**
Attract shoppers to greenway
Use Fort Circle Parks on opposite side of commercial area
- C OPPORTUNITY**
Use parking lot on 36th for greenway
- D OPPORTUNITY**
Use strip of land near road as scenic view towards Broad Branch
Connect to Francis G. Newlands Park
- E CONSTRAINT**
Steep slope surrounding area
Peruvian Government security not wanting high pedestrian traffic volume
- F OPPORTUNITY**
Cut through Fort Circle Park
- G OPPORTUNITY**
Use Rock Creek Park as part of greenway

- Road
- Linkages
- Opportunities
- Constraints

A-F Opportunities & Constraints

OPPORTUNITIES & CONSTRAINTS



- NPS proposed trail
- Trail junctions
- Streets
- NPS Parks
- Water
- C-1
- C-3-A
- R-2
- R-3
- R-5-D

LITTLE FOREST PARK GREENWAY NEIGHBORHOOD

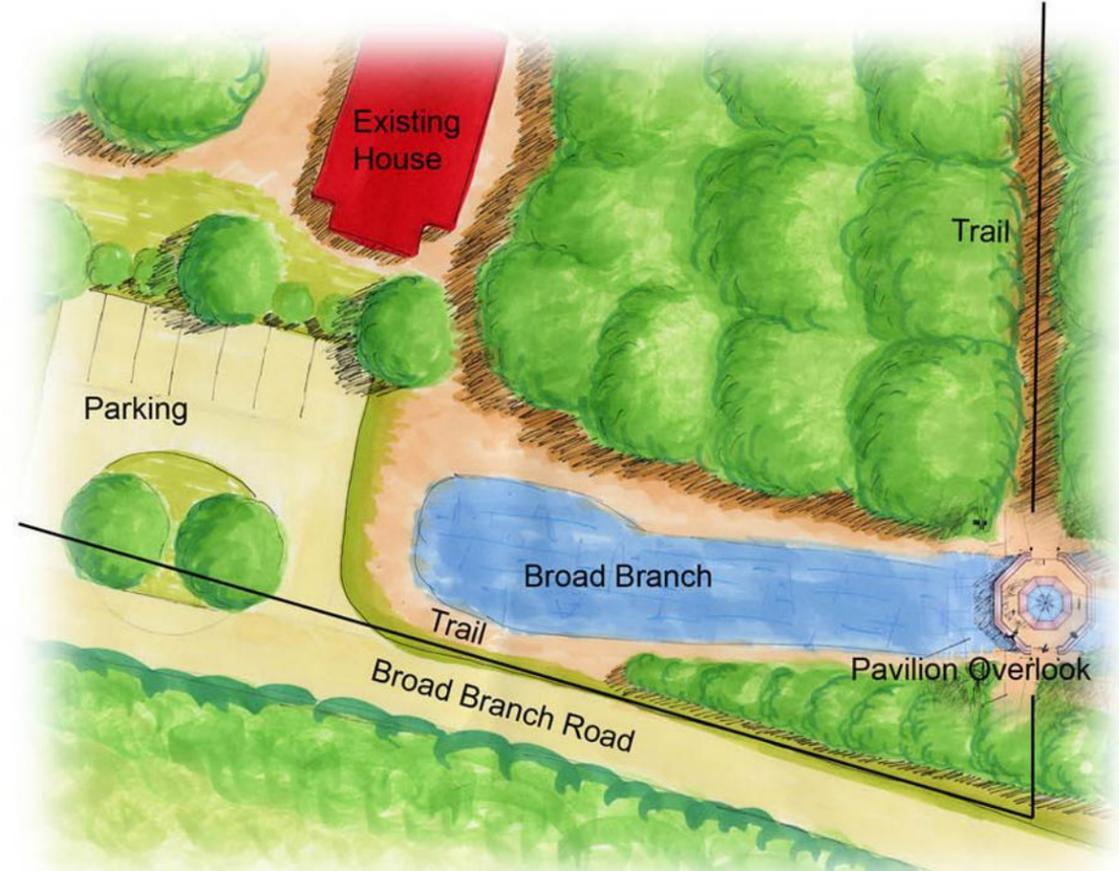
FORT CIRCLE PARKS
WASHINGTON, D.C. GREENWAY





MASTER PLAN

0 0.25 0.5 1 Miles
1 inch equals 1,000 feet

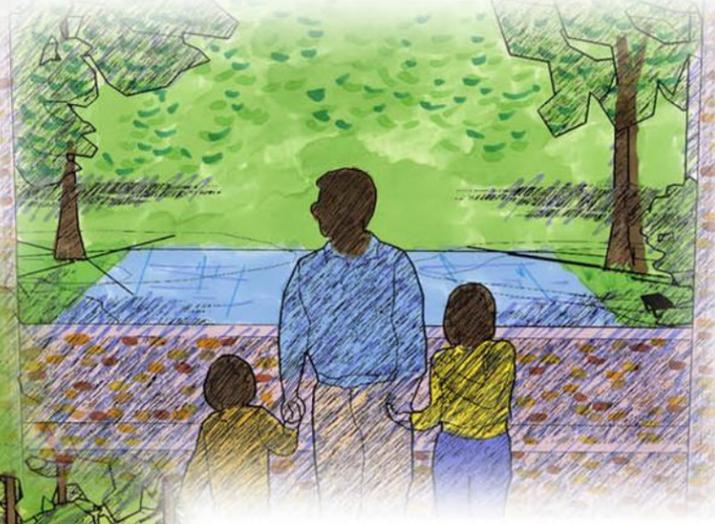


FOCUS AREA

0 0.003 0.006 0.012 0.018 Miles
1 inch equals 20 feet



Elevation of pavilion

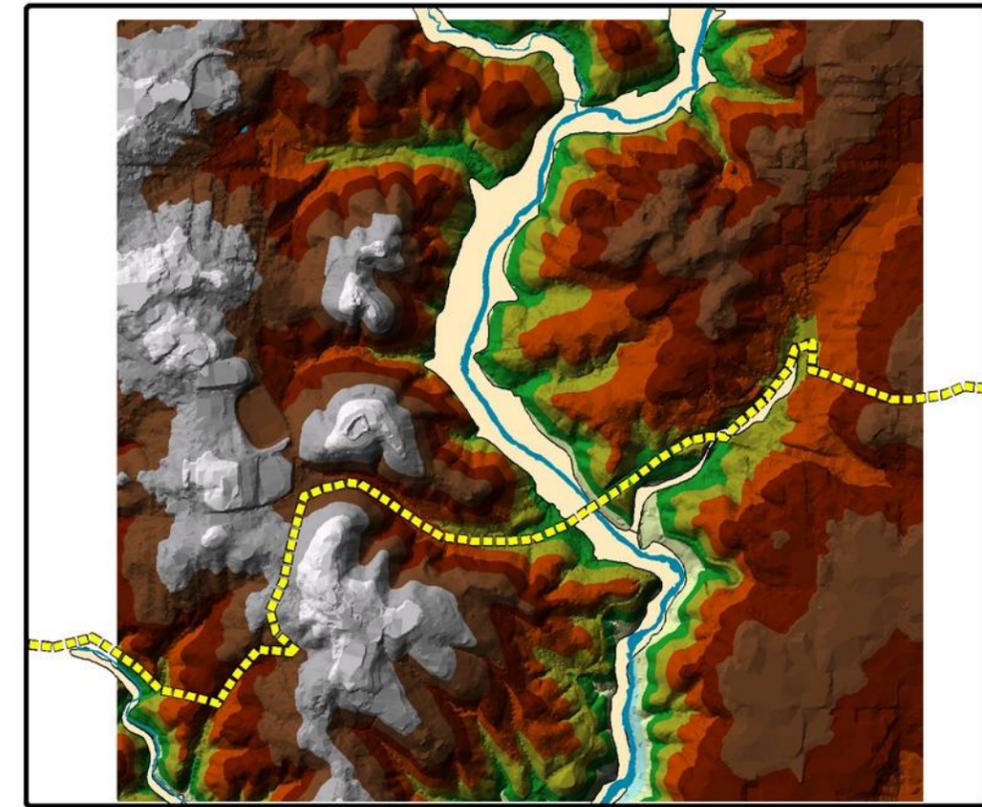
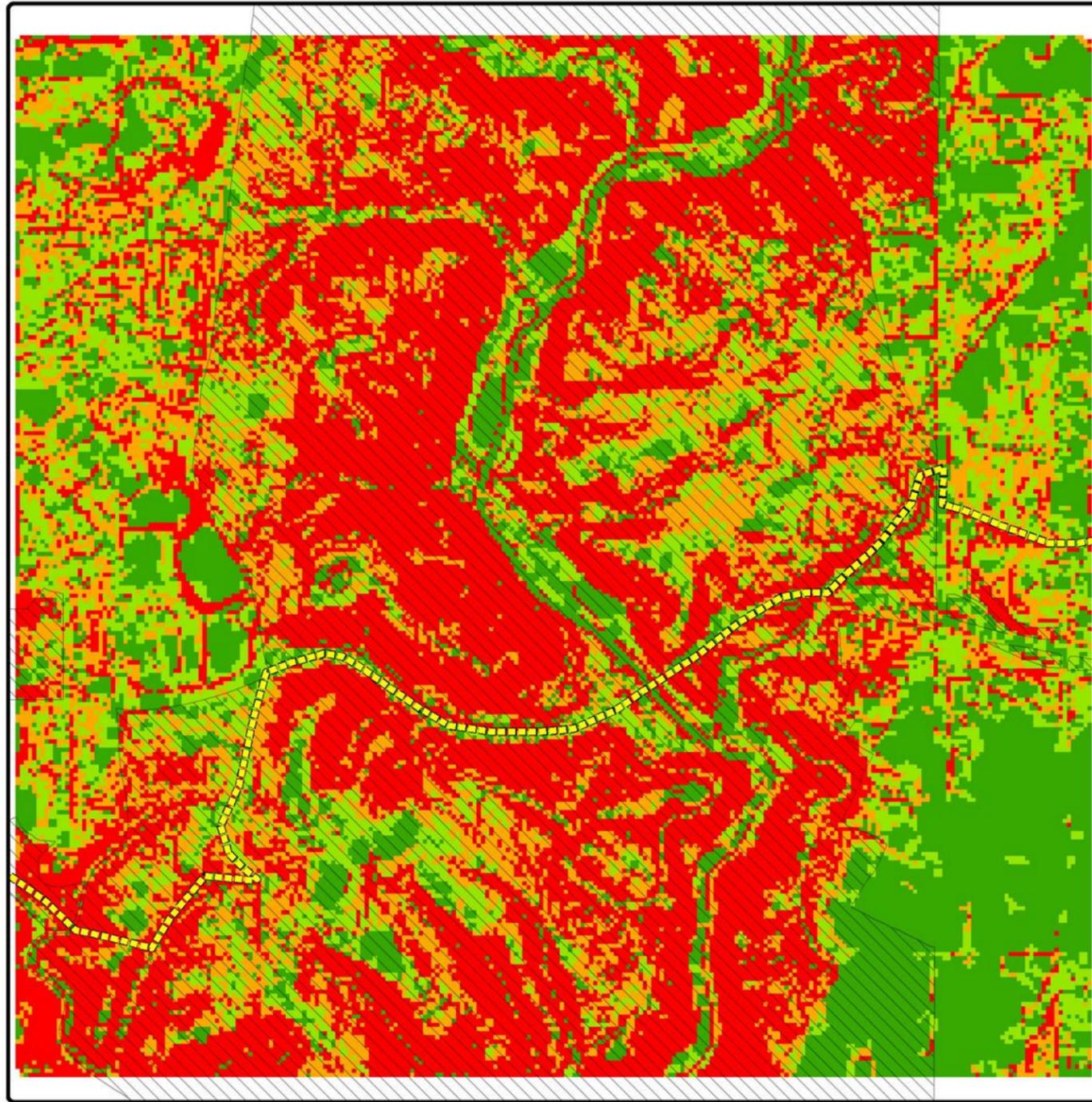


View looking into the water from under the pavilion



Perspective of pavilion

DESIGN SOLUTIONS



DESCRIPTION

The abiotic features present in the Rock Creek Park Greenway Neighborhood include the slope, greenway trail, and floodplain. The slope is of most importance as the site is dominated by steep slopes of 15% or more.



WATER, WETLANDS, & WOODLANDS



1 inch equals 1,000 feet

-  NPS Park
-  Woodlands
-  River
-  Green Trail

ROCK CREEK PARK GREENWAY NEIGHBORHOOD

INVENTORY: BIOTIC



ROCK CREEK PARK

Source: National Park Service

DESCRIPTION

The major biotic features located within Rock Creek Park Greenway neighborhood include water, woodlands, and animals. Rock Creek Park is a vital section of D.C. providing a large tract of land available for wildlife habitat. Rock Creek Park is also the only place in D.C. to ride horses on public land.

FORT CIRCLE PARKS GREENWAY

WASHINGTON, D.C.



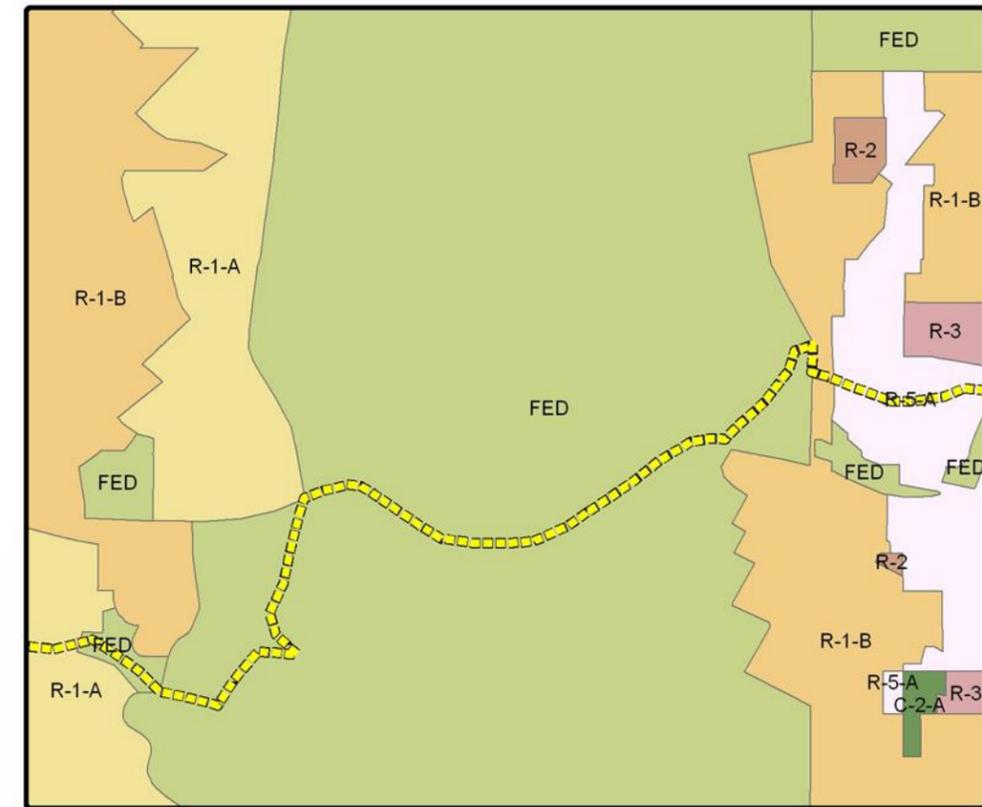
BUILDINGS, STREETS & SIGNIFICANT CULTURAL FEATURES



1 inch equals 1,000 feet

- NPS Park
- Streets
- Buildings
- Bridge
- Public Transportation
- Green Trail

ROCK CREEK PARK GREENWAY NEIGHBORHOOD



ZONING

- | | | | |
|--|-------|--|-------------|
| | C-2-A | | R-2 |
| | FED | | R-3 |
| | R-1-A | | R-5-A |
| | R-1-B | | Green Trail |

DESCRIPTION

Rock Creek Park has a wide variety of activities that are available to the public. To the south of the cited Greenway Trail the park allows horse riding, hiking, and provides an outdoor amphitheater. Other activities in the park include biking on defined trails, bird watching, picnicking, golf, tennis, rollerblading, and jogging.

FORT CIRCLE PARKS
WASHINGTON, D.C. GREENWAY

PHOTOGRAPHIC INVENTORY



1 Nature Center and Planetarium



2 View of Military Road



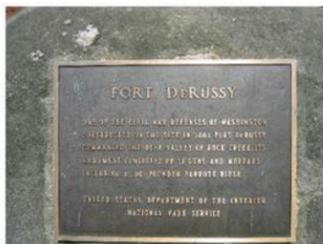
3 Opposing view of Military Road



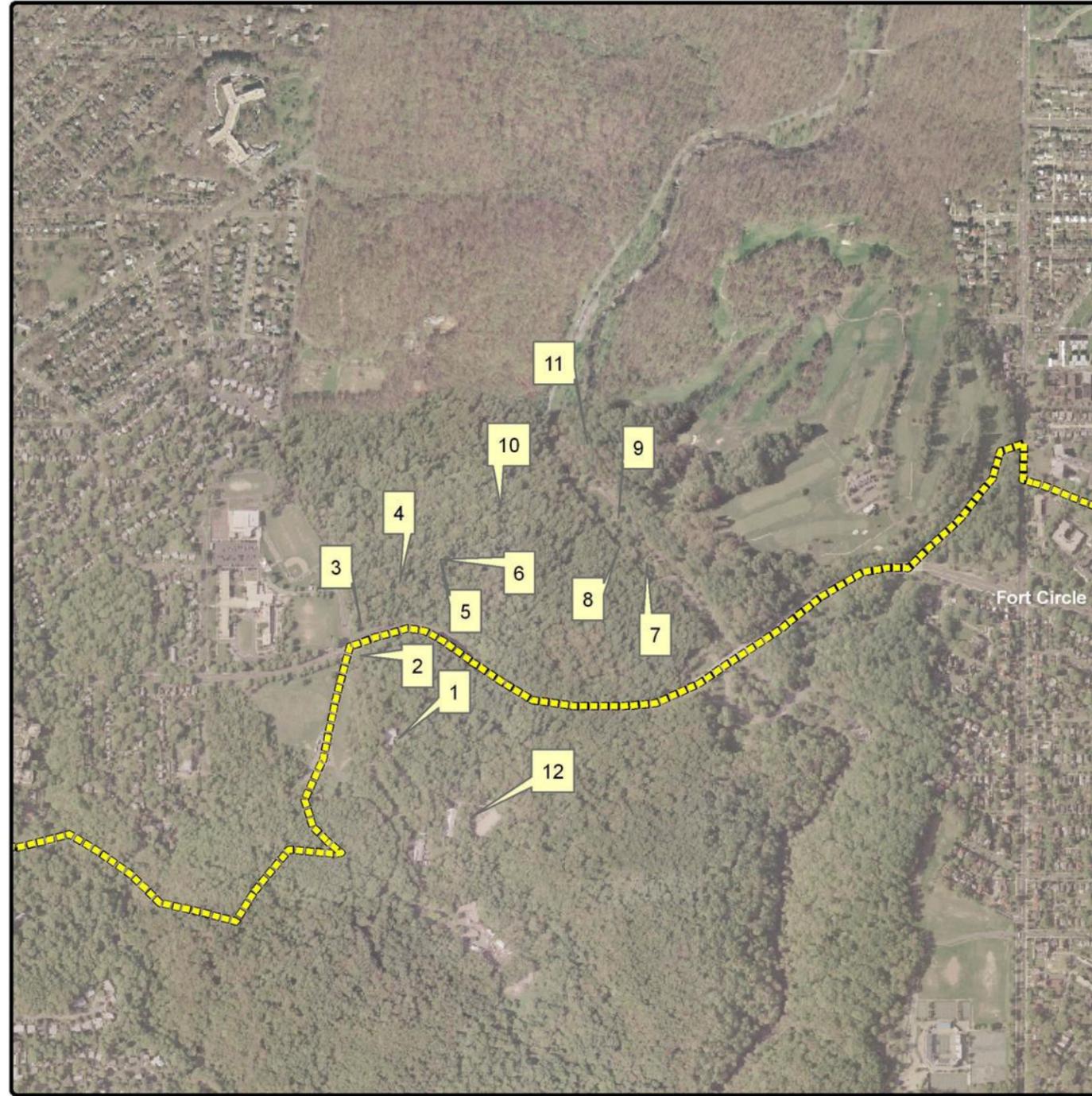
4 Trail leading to Fort DeRussy



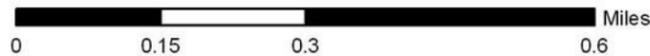
5 Fort DeRussy



6 Fort DeRussy



LOCATION OF PHOTOGRAPHS



1 inch equals 1,000 feet



12 Horse stables



11 View into woodlands



10 View of Trial



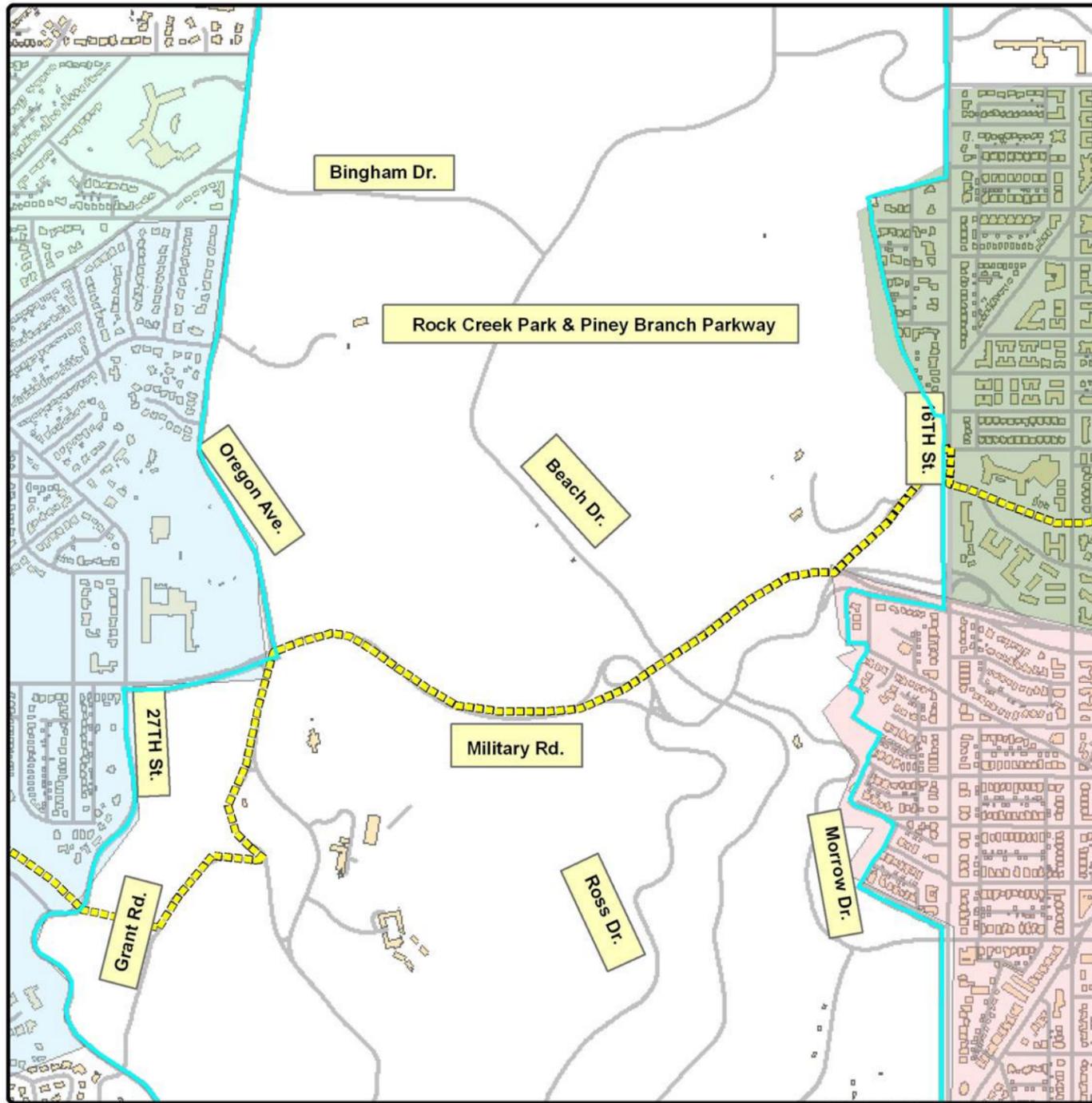
9 Millhouse Ford



8 Trail overlook



7 Miller cabin



NEIGHBORHOODS



- Neighborhood**
- Brightwood
 - Brightwood Park
 - Chevy Chase
 - Pinehurst Circle
 - Green Trail

ROCK CREEK PARK GREENWAY NEIGHBORHOOD

DESCRIPTION

The Chevy Chase and Pinehurst Circle neighborhoods have the largest population of children under the age of 18 directly surrounding Rock Creek Park. These neighborhoods would likely enjoy the addition of playing fields for the younger people. On the opposing side of Rock Creek Park, the Brightwood Park neighborhood has a moderate population of children. To the north of this neighborhood is Brightwood, which has the smallest population of children under 18. This information displays the need on the west portion of Rock Creek Park and the proposed greenway trail to incorporate greater open spaces suitable for play by larger numbers of children.

USER NARRATIVES

HORSEBACK RIDING

Rock Creek Park is the only place in D.C. where I can ride a horse on public land. The park is a very nice setting on a Saturday afternoon in the spring. I like to make it out once a week if possible and I usually spend about 3-4 hours each time I come out with the horse. Spring tends to be the most comfortable time to come out along with an occasional fall weekend. On those days with nice weather I may spend 5-6 hours in the park just riding around different trails. The park is a wonderful asset and is heavily used on weekends. I will often see people out rollerblading, biking, and jogging on a warm spring day. At these times the trails can become a bit crowded and somewhat overly used. Additional parks similar to Rock Creek Park would prove to be a vital asset to the city.

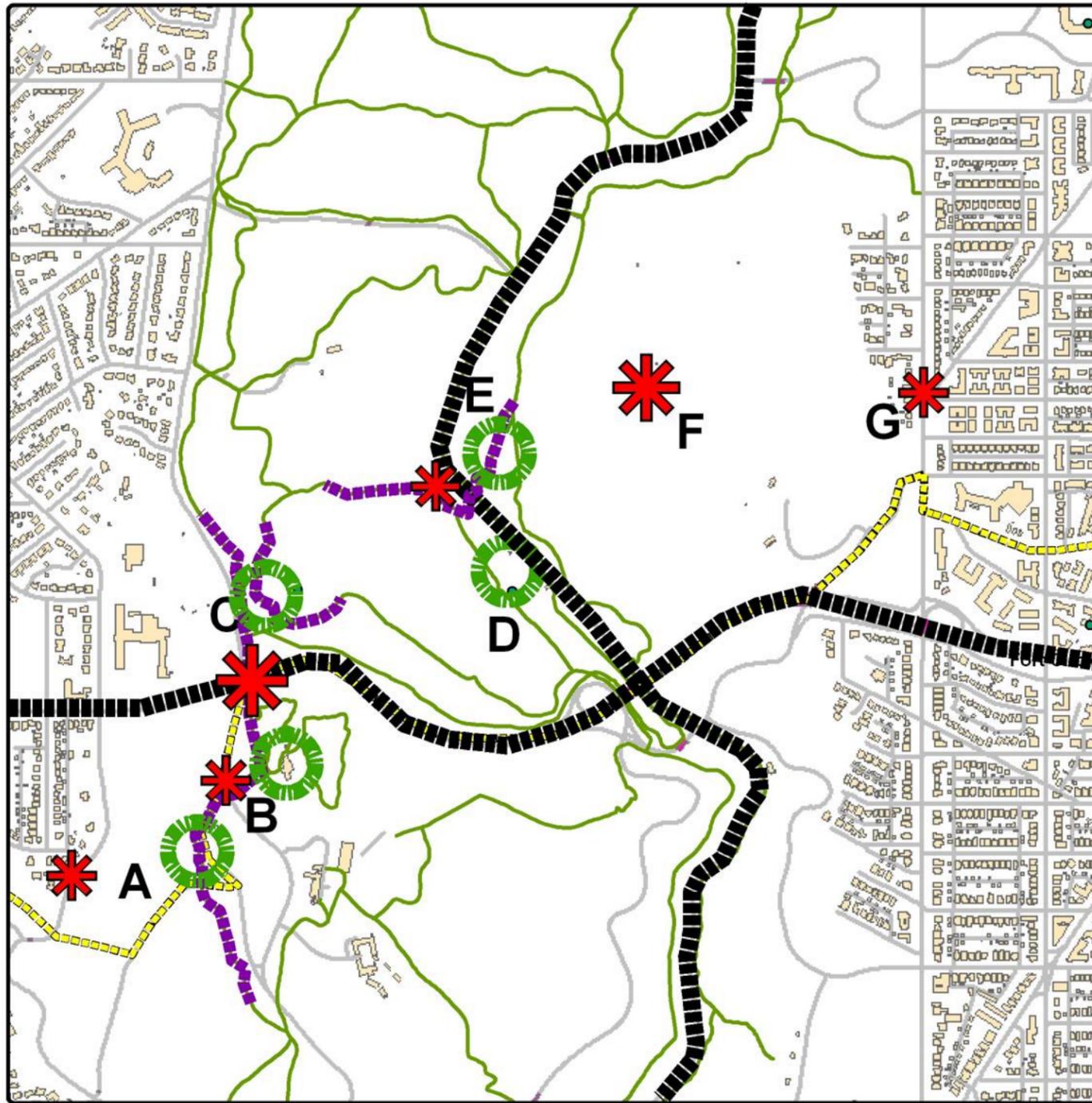
ROLLERBLADING

On most fair weather days I like to rollerblade after work in Rock Creek Park. In an average week I will go 3-4 times during the week for about 1-2 hours each time. Rollerblading is a great way for me to relax and work off stress while improving my cardio fitness. I like to enjoy the park this way from early spring until mid fall. Many of the trails throughout the park provide ample space to exercise, but additional linkages to other trails in the city would be a great addition.

JOGGING

I am a weekly jogger who uses Rock Creek Park on a regular basis. The park provides a safe area with beautiful scenery. The trails are enjoyable as they are not too steep yet can be challenging in some places. I like to go to the park 5 days a week if my schedule allows it, and I usually jog for about 45 minutes. The best times of the year are the spring and fall due to the climate, but summer and winter can also be enjoyable depending on the weather. I like seeing other people out and being active as this motivates me to continue to working out.

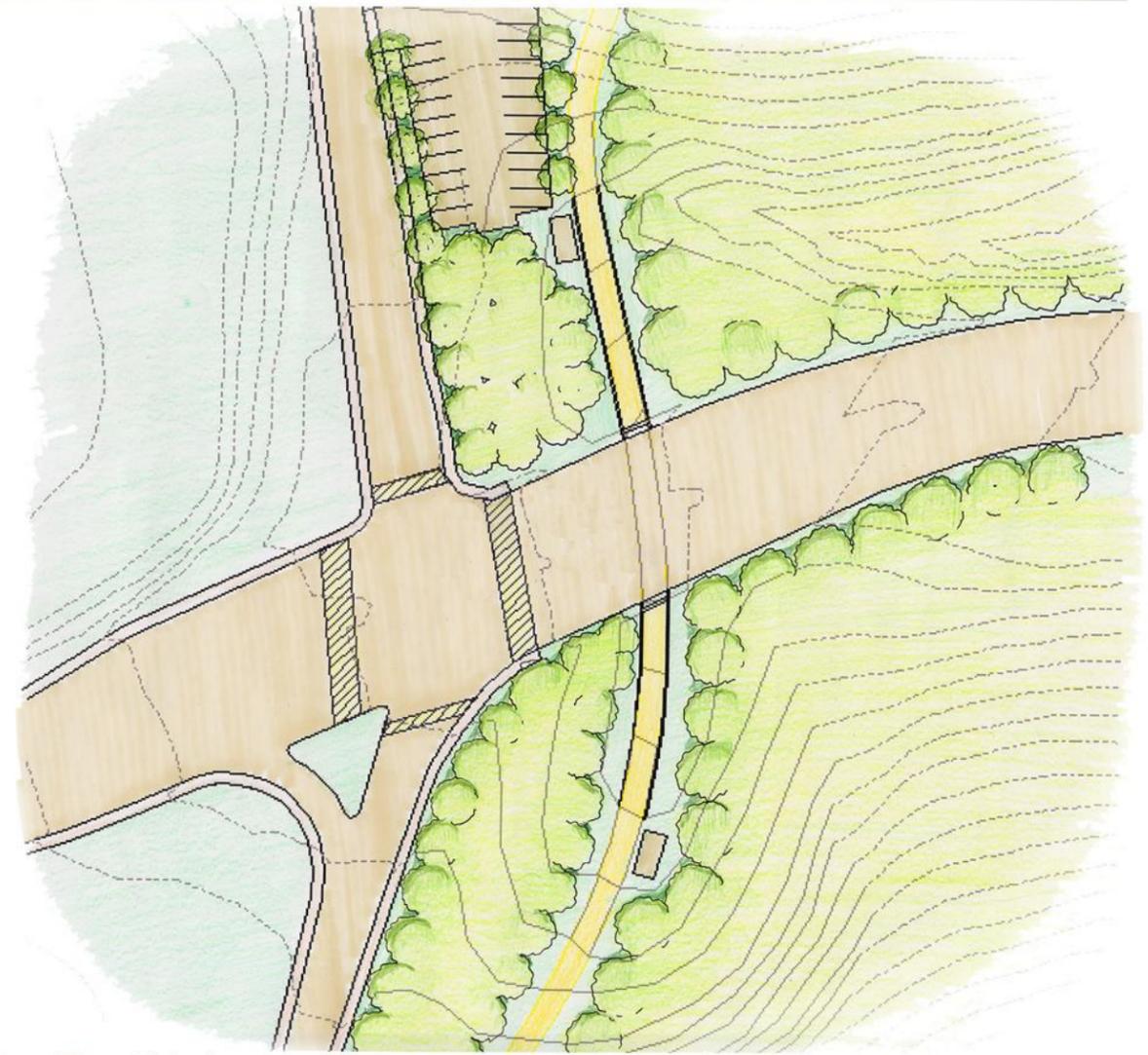
FORT CIRCLE PARKS GREENWAY
WASHINGTON, D.C.



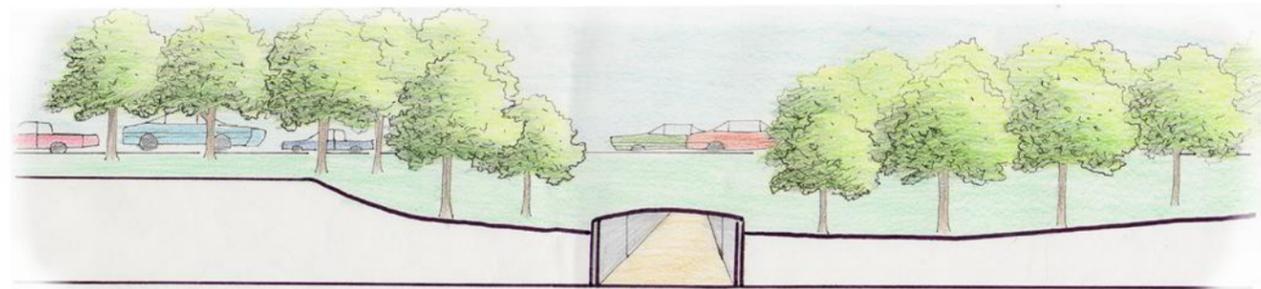
- A** **Constraint**
Entrance of Rock Creek requires crossing 27TH street. This constraint could potentially be a place for an attractive entrance sign into the park.
Opportunity
At this point the proposed greenway comes to a junction with an existing biking trail system. This provides a great opportunity to link biking trails together and create a more fulfilling biking trail system.
- B** **Constraint**
The next stop in the park is a crossing at Glover Road. This road appears to be a light duty road but may occasionally house heavy traffic.
Opportunity
After crossing Glover Road, the visitor has two options. One is to travel southward to the Horse Center. The other option is to travel north to the Nature Center and Planetarium.
- C** **Constraint**
As the greenway moves northward a major constraint is met with a junction at Military Road. This is the largest and most active roadway the trail must cross in this neighborhood.
Opportunity
Once the trail moves beyond Military Road another opportunity is presented in Fort DeRussy. This center may be able to provide for an educational station describing the fort and the surrounding landscapes importance.
- D** **Opportunity**
From here the trail continues northeasterly through woodlands until meeting the Rock Creek at Joaquin Miller Cabin. The creek and ford provide a nice opportunity to set up some sort of activity area (picnic, frisbee, fishing).
- E** **Constraint**
Directly after crossing the creek you meet with Beach Dr. This roadway has an overpass to cross the creek. This could be a great opportunity to deal with the traffic situation by using the creek bank under the bridge to feed the trail under the road without having to deal with a crossing.
Opportunity
Moving eastward the greenway would meet up with Valley trail. Once again this provides for an opportunity to enhance trail linkages and provide for extended more easily accessible trails through-out D.C.
- F** **Constraint**
Beyond the Valley Trail is a public golf course which the proposed greenway trail currently crosses. I would suggest moving the greenway trail to go around the golf course on its northern side to enhance the length of trail located in Rock Creek Park. If the decision is made to move the trail to exit on the southward side of the course this will shorten the length within park boundaries and may decrease the naturalistic appeal of the greenway. This will also place the trail adjacent to Military road which would surely be a noisy undesirable solution.
- G** **Constraint**
As the greenway is leaving Rock Creek Park 16TH Street must be crossed to move into the next neighborhood.



Master Plan
Scale 1"=500'



Military Road Underpass
Scale 1"=40'



Section of Military Road Underpass
Scale 1"=20'



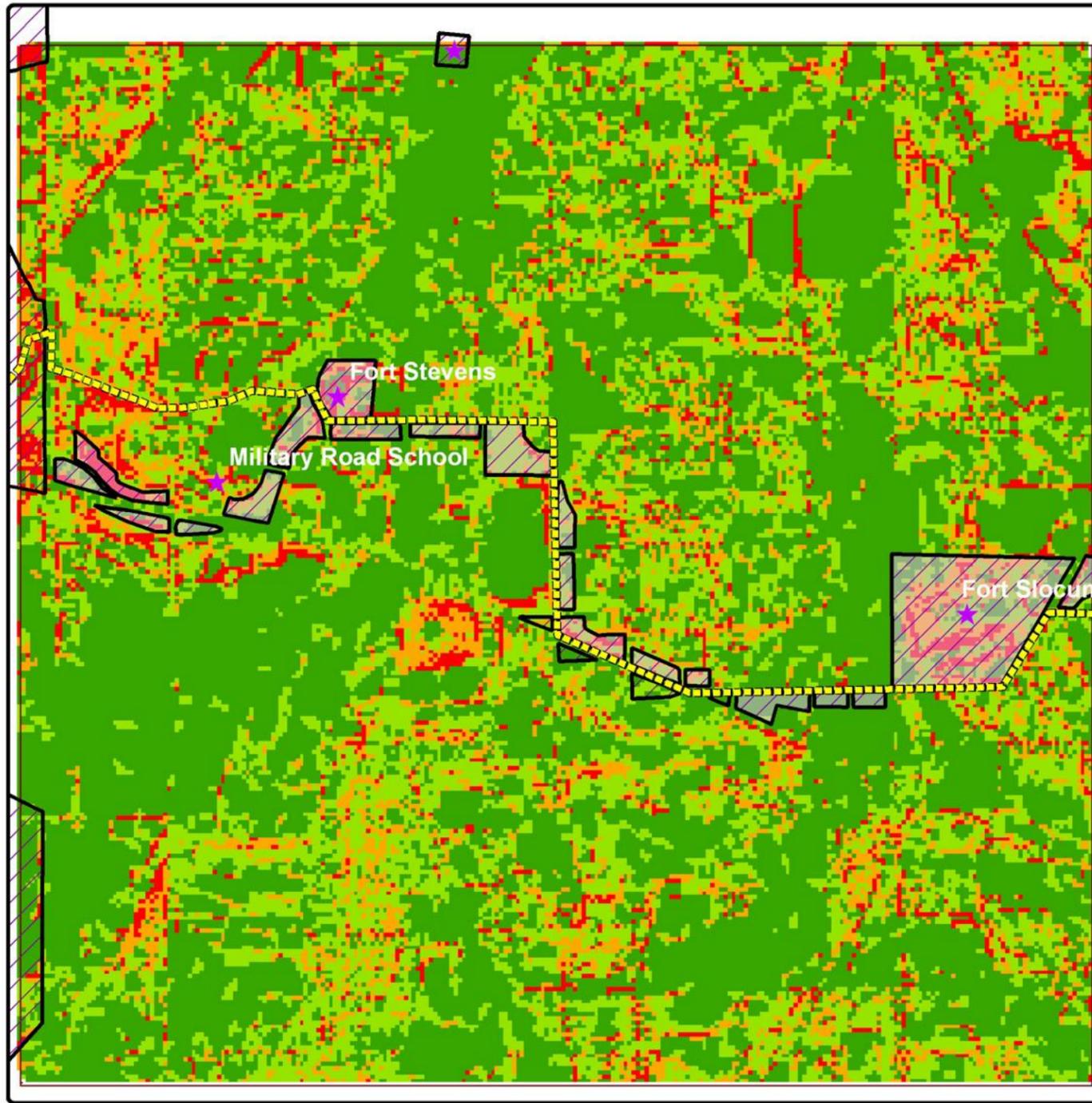
View moving toward Military Road



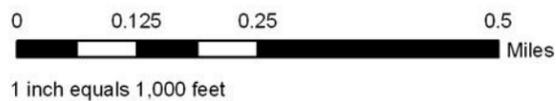
Horseback riding



View of Miller Cabin



SLOPE

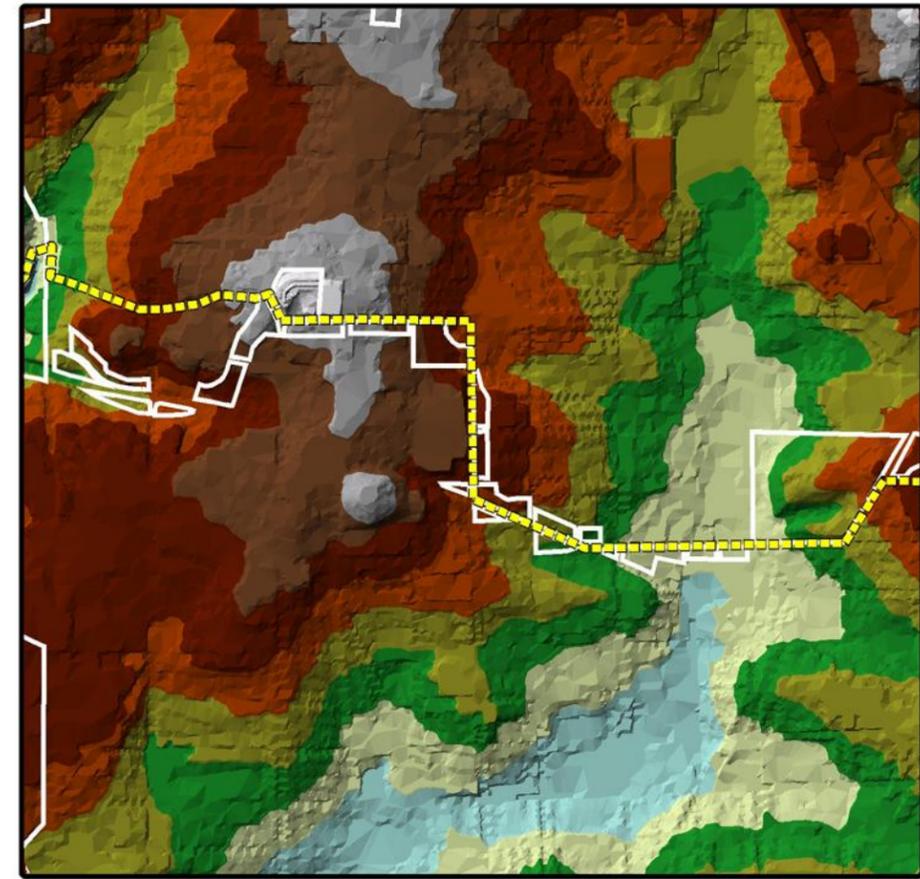


- NPS Land
- Fort Circle Parks
- landmark point
- Greenway Trail

Slope

- <8% Gentle
- 8-15% Moderate
- 15-25% Steep
- >25% Very Steep

FT. STEVENS AND FT. SLOCUM
GREENWAY NEIGHBORHOOD



RELIEF

1 inch equals 1000 feet

Elevation

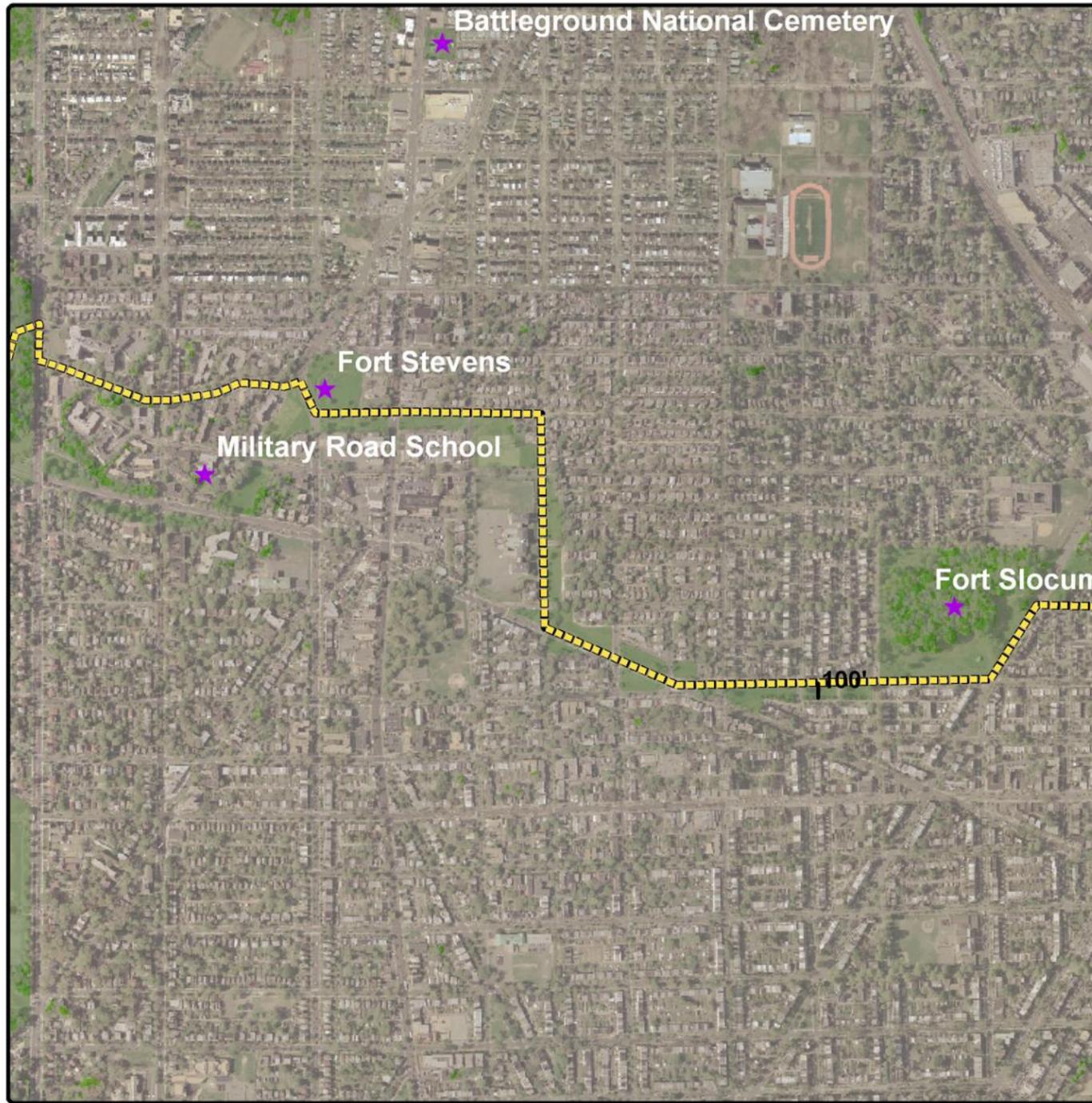
- 305.480 - 321.520
- 289.440 - 305.480
- 273.400 - 289.440
- 257.360 - 273.400
- 241.320 - 257.360
- 225.280 - 241.320
- 209.240 - 225.280
- 193.200 - 209.240
- 177.160 - 193.200

DESCRIPTION

The neighborhoods in and around Ft. Stevens and Ft. Slocum contain many hills. The topography has mostly manageable slopes, however some areas are sloped at greater than 15%.

**FORT CIRCLE PARKS
GREENWAY**

WASHINGTON, D.C.



WATER, WETLANDS AND WOODLANDS

0 0.1 0.2 0.4 Miles

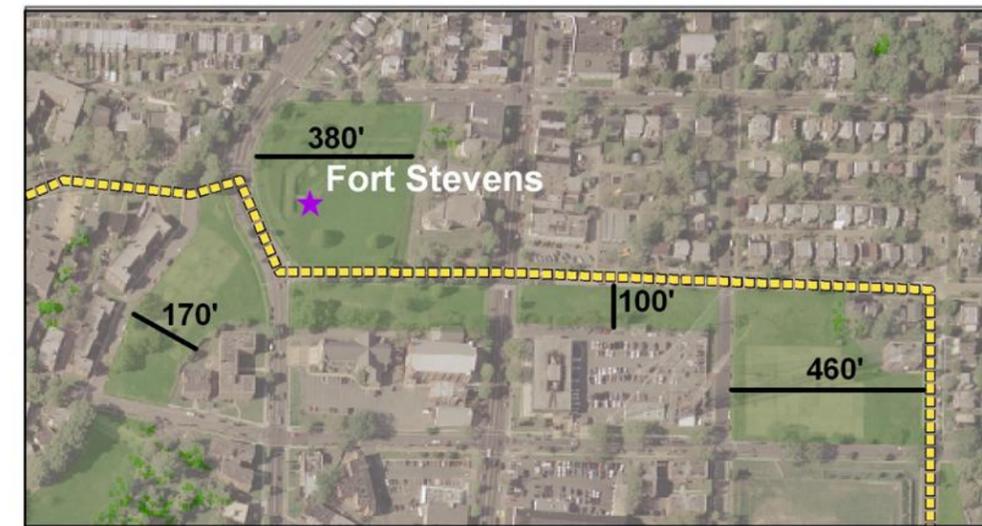
1 inch equals 1,000 feet

- ★ Landmark
- NPS Lands
- Woodlands
- Wetlands
- Water
- Greenway Trail

FT. STEVENS AND FT. SLOCUM
GREENWAY NEIGHBORHOOD

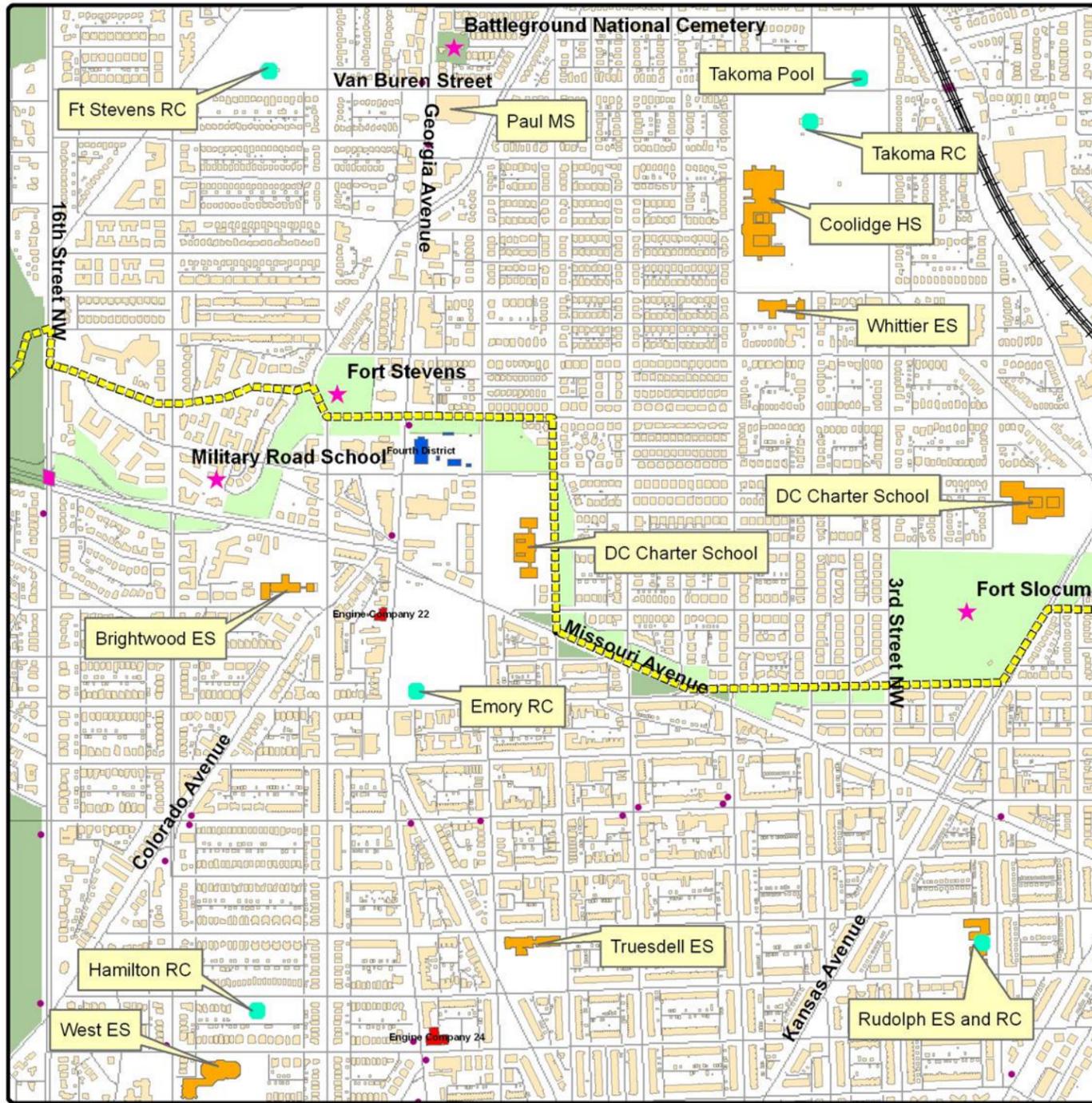


WOODLAND COVERAGE WITHIN
FT. SLOCUM PARK



PARKLAND IN AND AROUND FT. STEVENS

WASHINGTON, D.C. **FORT CIRCLE PARKS
GREENWAY**



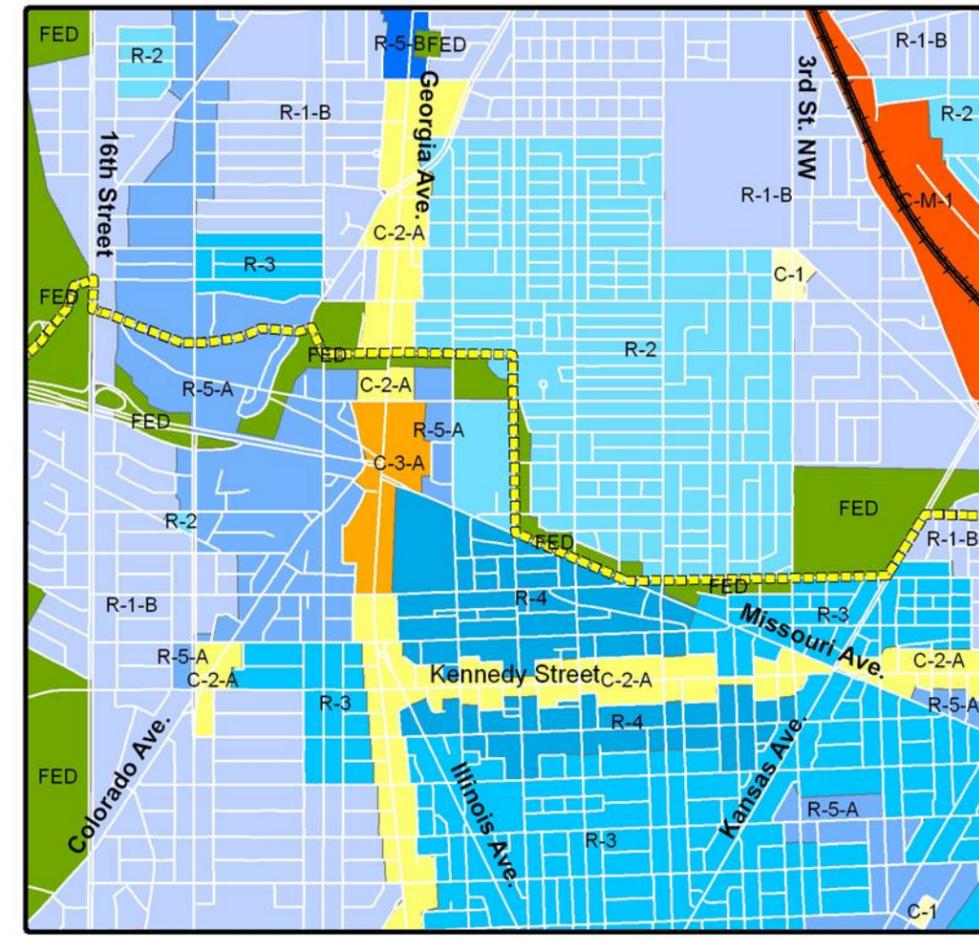
BUILDINGS, STREETS & SIGNIFICANT CULTURAL FEATURES



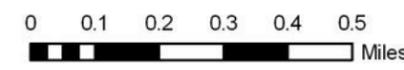
1 inch equals 1,000 feet

- Map Features**
- fcptrailjunction
 - Landmark
 - Recreation Center
 - Bus Stop
 - Railroad
 - School
 - Police Station
 - Fire Station
 - Bridge
 - Building
 - Ft Circle Parks
 - NPS Land

FT. STEVENS AND FT. SLOCUM GREENWAY NEIGHBORHOOD



ZONING



Zone Categories

- C-1
- C-2-A
- C-3-A
- C-M-1
- FED
- R-1-B
- R-2
- R-3
- R-4
- R-5-A
- R-5-B
- fcptrailjunction

The Ft. Stevens/Ft. Slocum Neighborhood is primarily residential. It is home to many schools and recreation centers, including a senior high school and a public pool. There is very little open green space in the neighborhood besides the national parklands. Zoning is primarily for low and medium density residential. The commercial zones which are along Georgia Avenue and Kennedy Street are zoned for a wide range of commercial uses. The area around the railroad tracks is zoned for light industry.

FORT CIRCLE PARKS GREENWAY
WASHINGTON, D.C.



1 Military Road School



2 Fort Stevens Community Garden



3 Fort Stevens



4 Georgia Avenue link to Battleground National Cemetery



5 Battleground National Cemetery



6 Neighborhood Community Gardens



7 Location for Madison Avenue Community Park

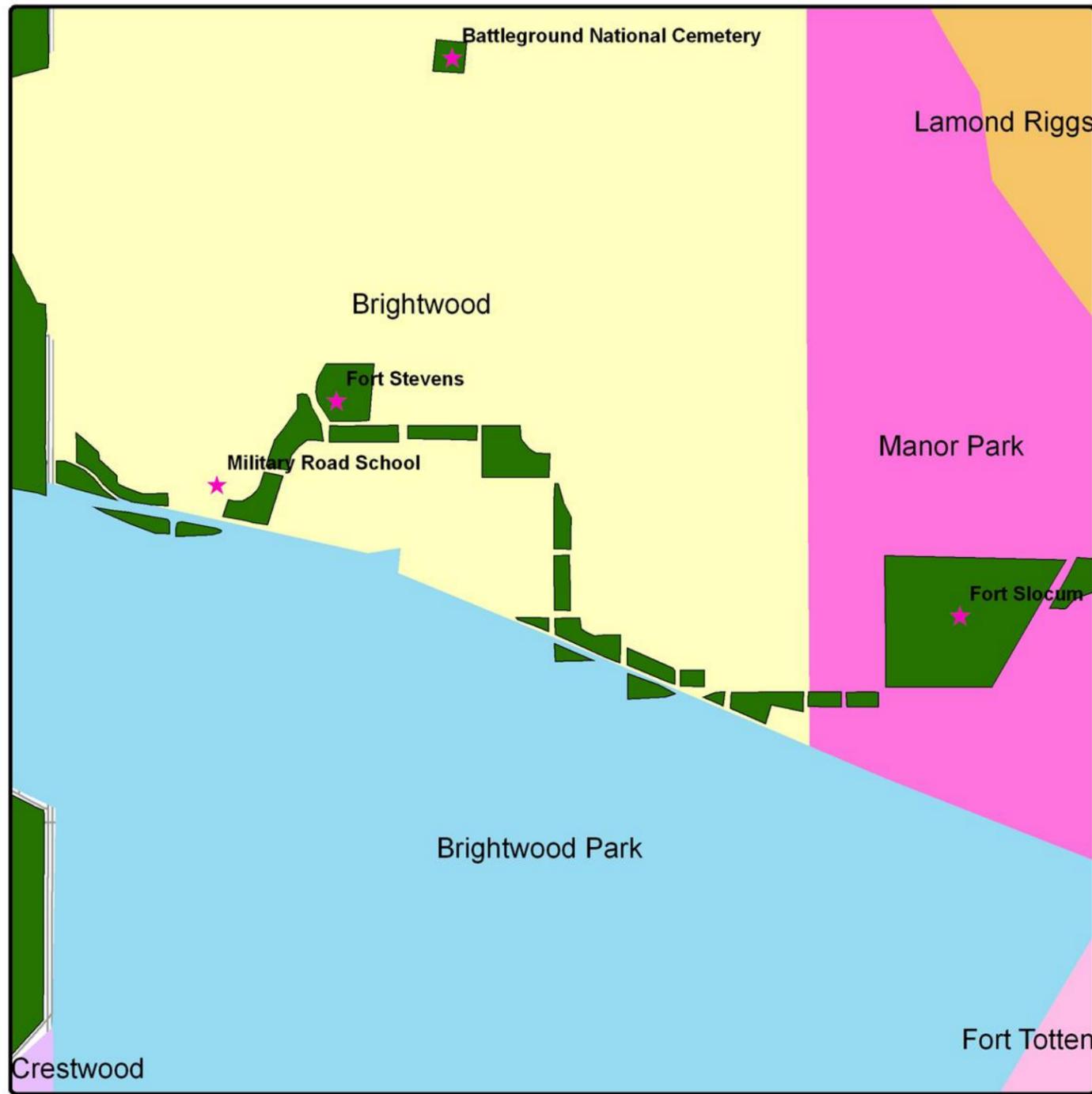


8 Fort Slocum

FT. STEVENS AND FT. SLOCUM
GREENWAY NEIGHBORHOOD

FORT CIRCLE PARKS
WASHINGTON, D.C. GREENWAY





NEIGHBORHOODS



1 inch equals 1,000 feet

Legend

- ★ Landmark
- NPS Land
- Brightwood
- Brightwood Park
- Crestwood
- Fort Totten
- Lamond Riggs
- Manor Park

FT. STEVENS AND FT. SLOCUM
GREENWAY NEIGHBORHOOD

DESCRIPTION

The park is surrounded by residential development, including single family and multi-family dwellings. The community has approximately 30% school age and preschool children. There are many public schools in the area.

ELEMENTARY SCHOOL KIDS

Fourth grade is sure tough! I'm glad its 3:00 and I can go home. I'm going to drop my backpack off, get a snack and head over to the playground before it's time to do my homework and have dinner. I'll meet up with a couple of my friends and we'll walk a few blocks to the park. I think today I'll ride my scooter over. Then I can race around the outside track for a while before we meet the rest of the gang at the jungle gym.

That new jungle gym they put up is great. It looks like a fort. It's got tons of slides and different levels. I heard somebody say that in the summer, parts of it shoot water out. That's going to be awesome! It's supposed to commemorate a Civil War battle. The park dudes put up some history lesson signs. That's pretty cool too! Mostly, though I like to hang out with my buddies and blow off a little steam before mom and dad make me hit the books.

COMMUNITY GARDENERS

Spring is fast approaching. Last night we had our biannual garden association meeting. We decided to continue with our 'no pesticide' rule. I don't think we're suffering in productivity all that much. The advisory committee scheduled for another release of ladybugs to get on those nasty aphids. They're releasing some other bugs too. The kids love the ladybugs.

I'm going over to my plot and weed it so I can seed in some early season lettuce. My neighbor finally got a plot. He's been waiting a couple of seasons. We'll go over together so we can trade off pulling the wagon with all our tools and supplies. Our association has been asking the NPS for some kind of shed but nobody can figure out where to put it or how to regulate access. Hopefully we can figure it out so I don't have to lug the compost and mulch forever. Even if we have to store our own supplies, it's great that we have this shared garden at all. Nobody around here really has a big enough yard to grow veggies like we can in the community space.

I've been gardening here for 15 years. The newer gardeners are bringing in some interesting crops. A few families moved in from El Salvador. They grow all kinds of beans I've never seen. The association is having a harvest pot luck at the end of the summer. The food should be FANTASTIC.

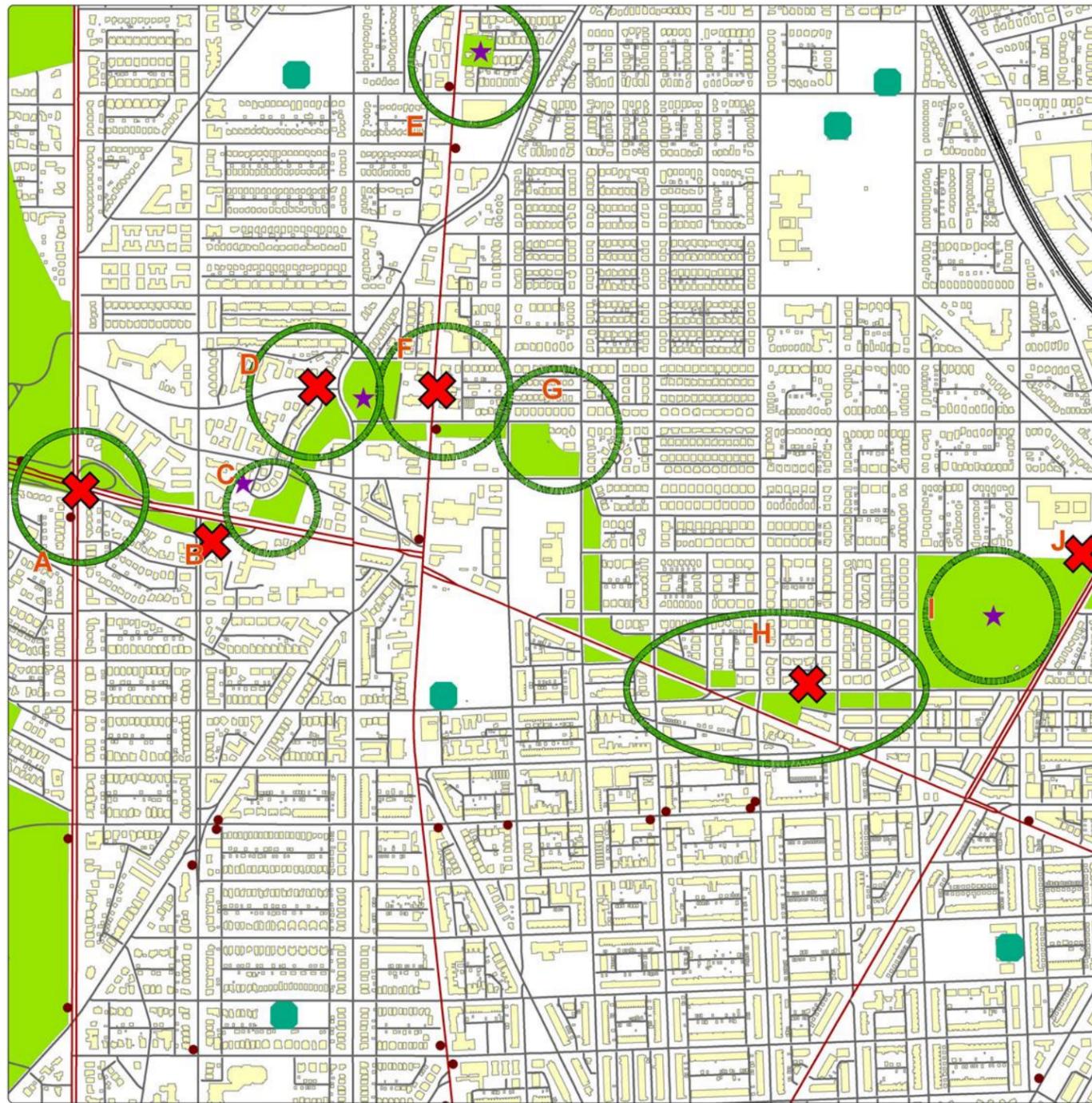
NEIGHBORHOOD WALKERS

A few of the women in the neighborhood have started a walking group. We're supposed to meet at the Fort Stevens flag pole around 5:30am, and then we'll power walk from there. The NPS closed off some of the lesser traveled streets that cut through Fort Circle parkland and put in a paved jogging/walking track. The lights come on just before daylight so we can take a few laps around the track before it's time to get the kids up for school.

Since I've started walking, my quality of life has improved. I've had a lot more energy and my pants are not so tight. Also, the neighborhood seems like more of a community. My group walks in the morning and so do a lot of other people. The folks I see around the track are familiar to me when I'm out shopping in the evening. That's a good feeling.

FORT CIRCLE PARKS
GREENWAY

WASHINGTON, D.C.



OPPORTUNITIES AND CONSTRAINTS

0 0.125 0.25 0.5 Miles

1 inch equals 1,000 feet

Legend

- ★ Landmark
- Bus Station
- Recreation Center
- Railroad
- Major Roads
- Parkland
- Schools

FT. STEVENS AND FT. SLOCUM GREENWAY NEIGHBORHOOD

- A** **Opportunity**
Connect to extensive recreational and cultural programs in Rock Creek Park Bus Route
- Constraint**
Crossing major intersection at 16th Street
- B** **Constraint**
Crossing major intersection at 14th Street
- C** **Opportunity**
Create an Information/Visitor Center for Ft Circle Parks Greenway at the historic Military Road School building
- D** **Opportunity**
Enhance existing community gardens
Location of Ft. Stevens, a reconstructed Civil War fort
- Constraint**
Crossing major intersection at Piney Branch Road
- E** **Opportunity**
Link to Historic Battleground National Cemetery
- F** **Opportunity**
Link to schools and recreation centers
Bus Route
- Constraint**
Crossing major intersection at Georgia Avenue
- G** **Opportunity**
Enhance existing community garden
- H** **Opportunity**
Large open space for active or passive community recreation
- Constraint**
Open areas broken up by north/south secondary roads
- I** **Opportunity**
Location of Ft. Slocum Park – historic site, passive wooded recreation site
Links to schools and public recreation centers to the North and South
- J** **Constraint**
Crossing major intersection at Kansas Avenue

FORT CIRCLE PARKS GREENWAY
WASHINGTON, D.C.



MASTER PLAN 1" = 500'



Battleground National Cemetery Connection

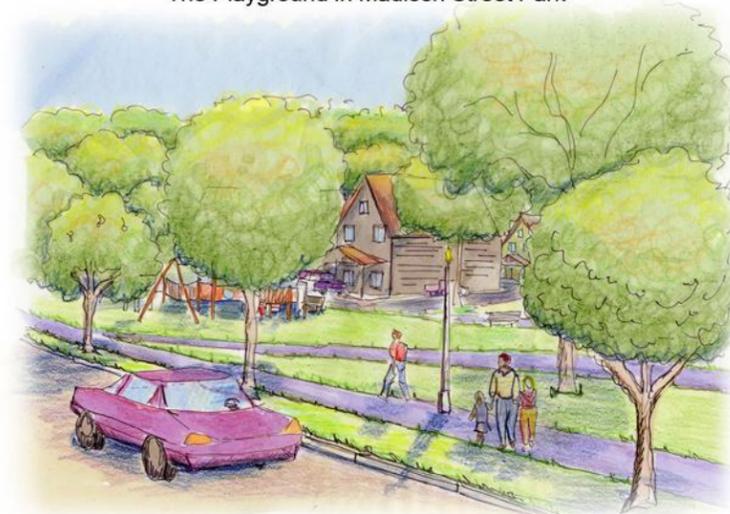
Install a center median with trees, shrubs and flowers; repave the sidewalks with cobblestone paving accents, and encourage business owners to install pre-selected green awnings to unify the streetscape.



MADISON STREET COMMUNITY PARK 1" = 60'



The Playground in Madison Street Park



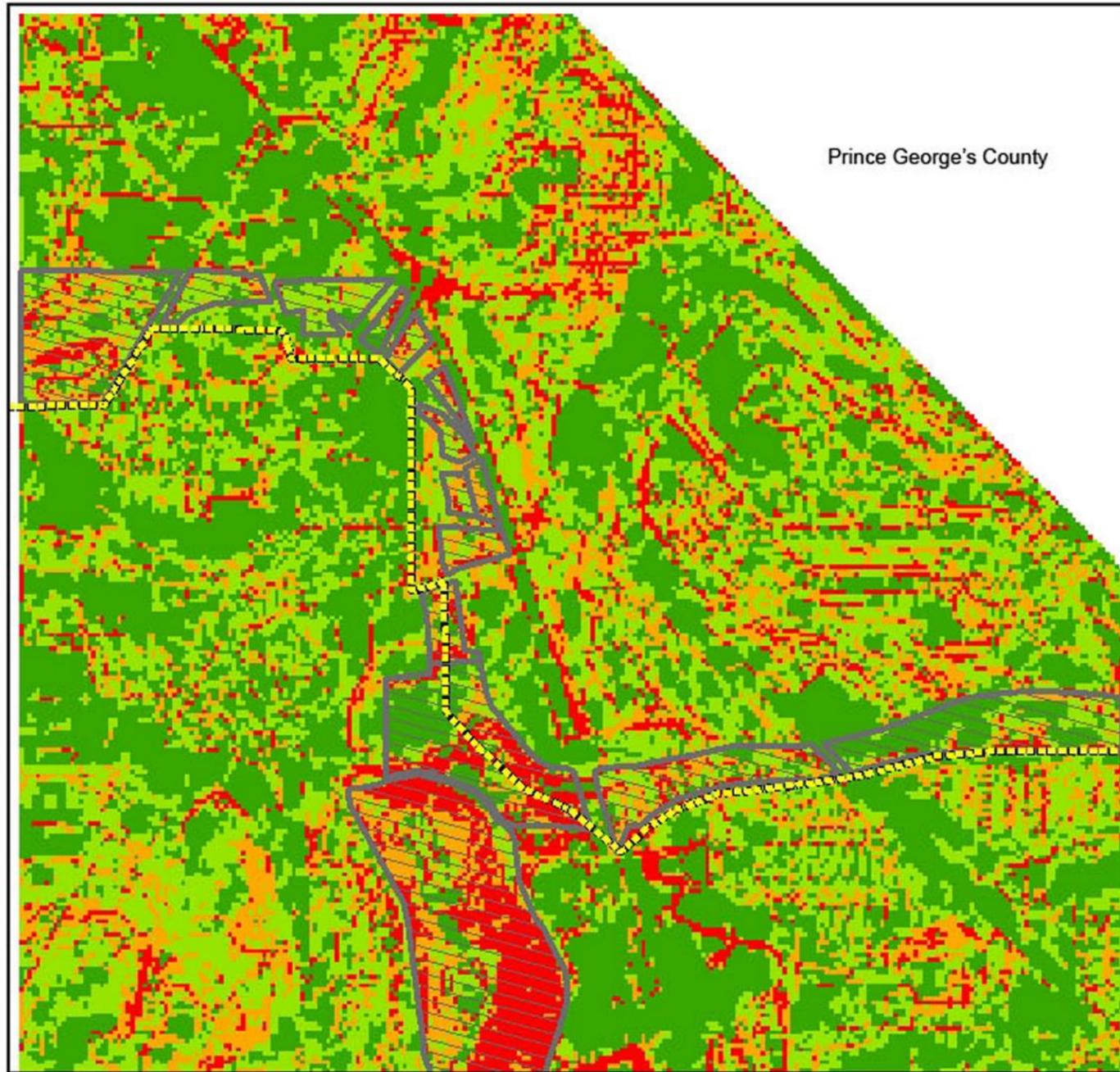
A view of the park looking Southeast from Madison Street

Fort Stevens and Fort Slocum Greenway Neighborhood Design Highlights

Leave Rock Creek Park and discover the Historic Military Road School that doubles as a visitor center for the Fort Circle Parks Trail System. Visitors walking along the trail will pass a community garden on the way to the Reconstructed Fort Stevens. Continuing along, visitors can take a 1/4 mile side trip to the north along Georgia Avenue to visit Civil War Battleground National Cemetery. More community gardens grow as one heads southeast toward the active Madison Street Community Park. The trail turns to the north again and passes through the wooded remains of Fort Slocum. The neighborhood then links up with Ft Totten Greenway Neighborhood.

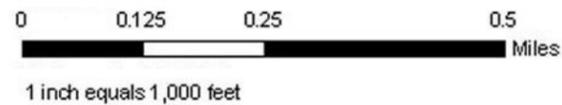
Madison Street Community Park

3rd and 4th Streets, NW have been closed to create the park. Children will run and play on the two jungle gyms and the athletic fields and lawns, retired folks will relax on the many benches, and everyone, from walkers and joggers, to bicycle riders and wheelchair riders will make good use of the paved pathways that encircle and weave throughout the park.



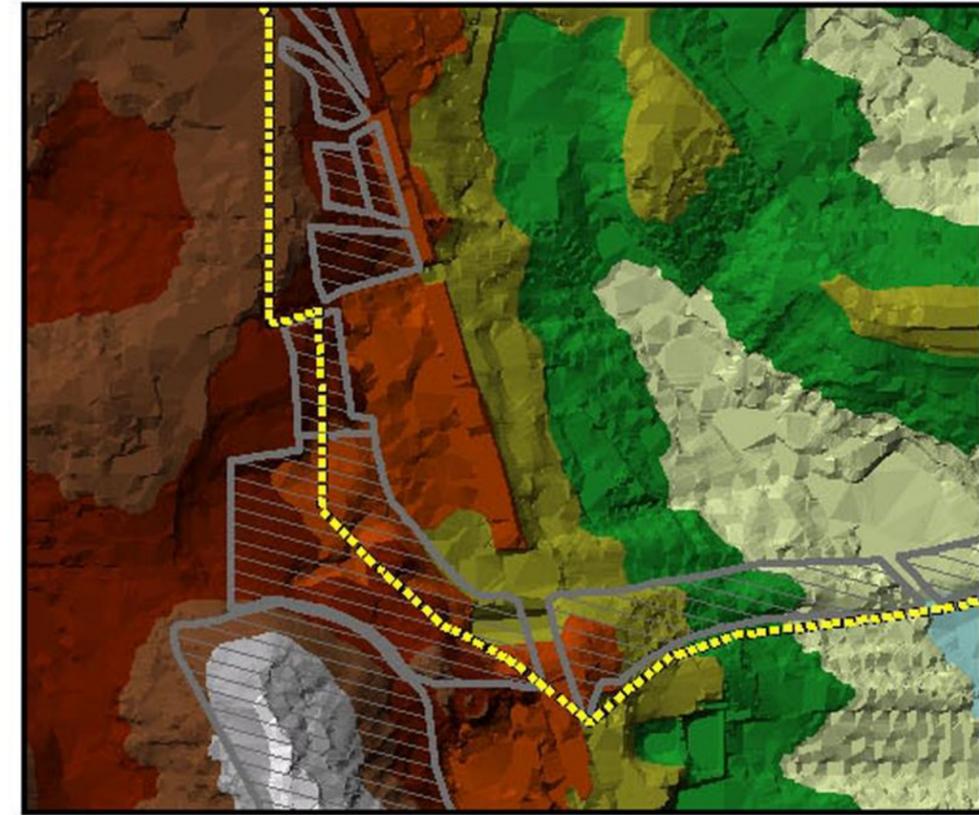
Prince George's County

SLOPE



LEGEND

- National Park Service Parks
- Green Trail
- 0-8%
- 8-15%
- 15-25%
- >25%

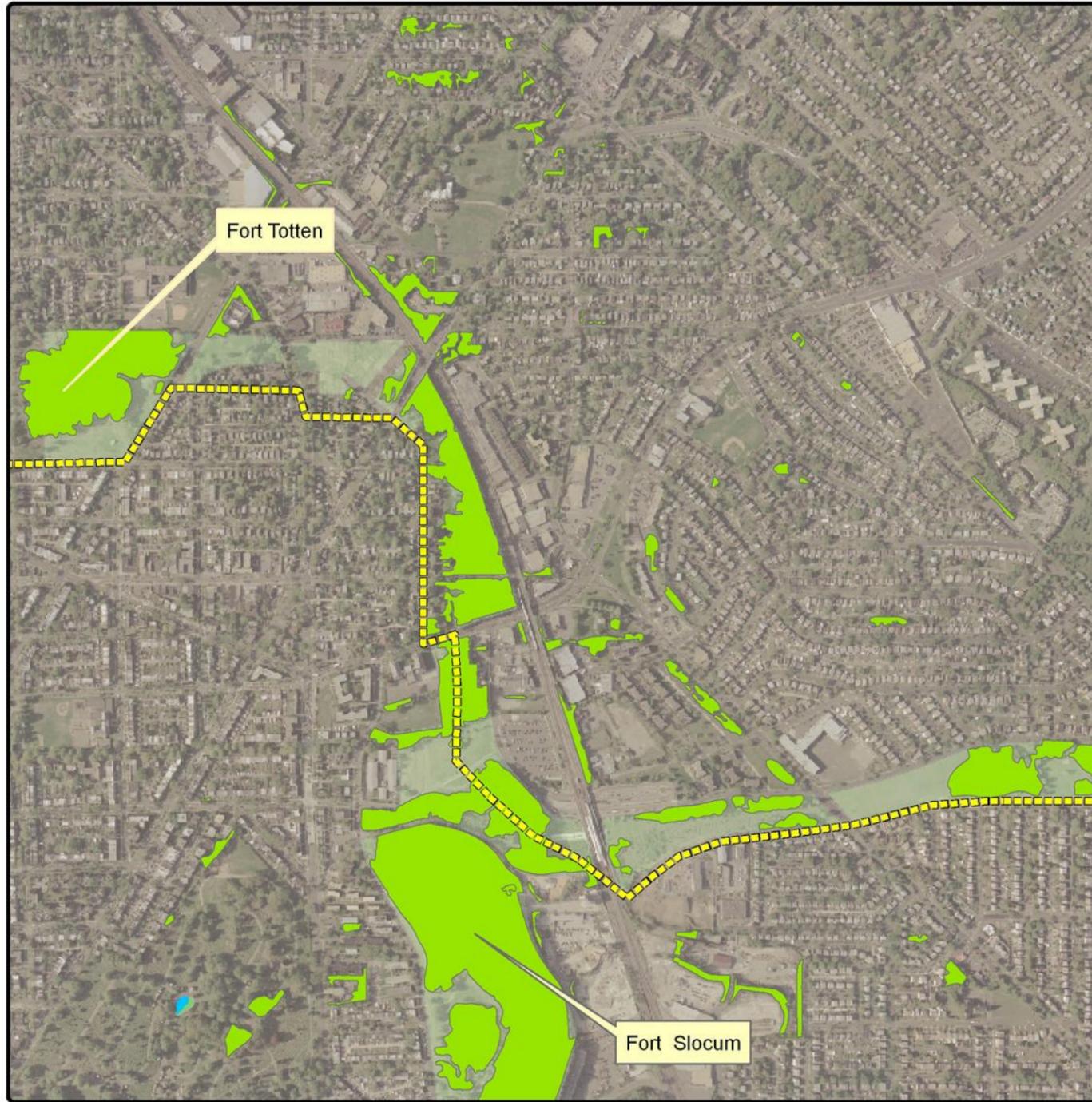


RELIEF

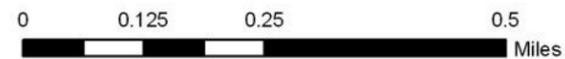


DESCRIPTION

The area of interest here is the area to the north of Fort Totten. This area is part of the Fort Circle Park land and slopes down into a valley. A existing trail runs horizontal to the north of Fort Totten. The greentrail runs through this area, making it accessible.



WATER, WETLANDS & WOODLANDS



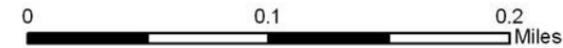
1 inch equals 1,000 feet

Legend

- Woodland
- National Park Service Parks
- Wetland
- Pond
- Green Trail



FORT TOTTEN



1 inch equals 400 feet

DESCRIPTION

The area of interest here is the area between Fort Slocum on the left and the rest of the Fort Circle Parks to the right of it. The lack of woodlands in this area between should be noted. Woodlands create a buffer zone next to some commercial areas. Most of the NPS Parks are covered by woodland.

FORT CIRCLE PARKS



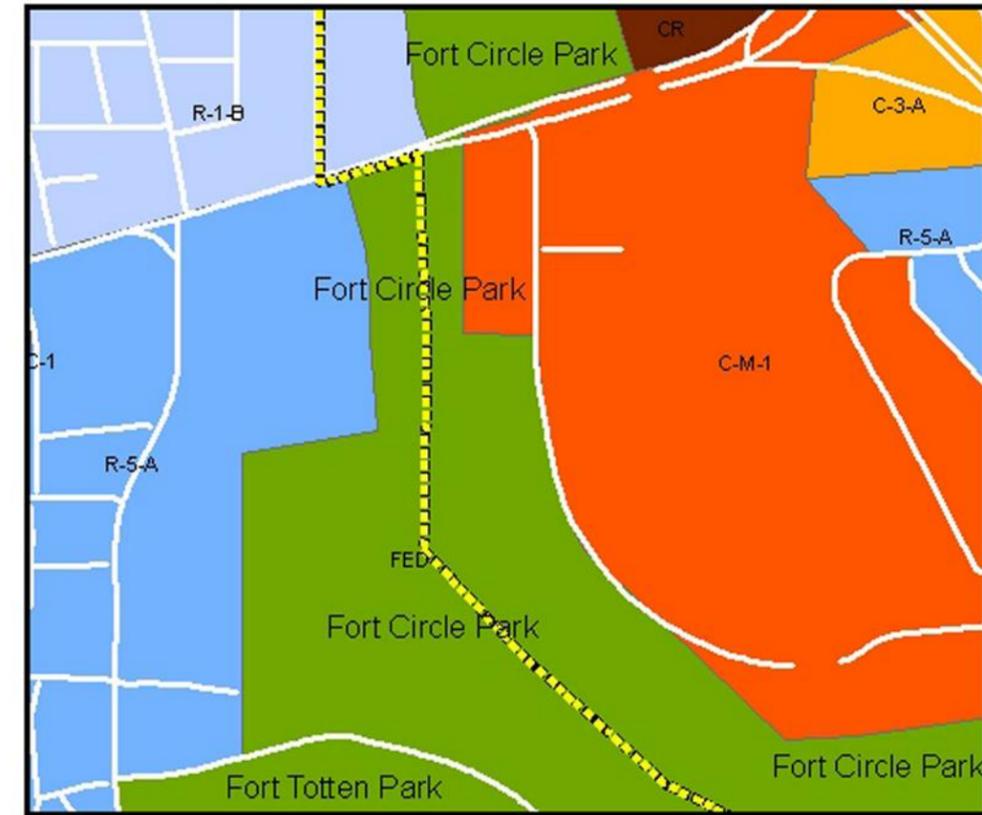


BUILDINGS, STREETS, AND SIGNIFICANT CULTURAL FEATURES

0 0.125 0.25 0.5 Miles
1 inch equals 1,000 feet

- Legend**
- Green Trail
 - Metro Station
 - Public Transportation
 - School
 - Bridge
 - Fire Station
 - National Park Service Parks
 - Hospital
 - Street
 - University
 - Building
 - Unbounded polygon

FORT TOTTEN GREENWAY NEIGHBORHOOD



ZONING

0 0.1 0.2 Miles
1 inch equals 400 feet

- Legend**
- Zoning**
- C-1
 - C-3-A
 - C-M-1
 - CR
 - FED
 - R-1-B
 - R-5-A

DESCRIPTION

The area of interest here is the area of Fort Totten and the rest of the Fort Circle Parks to the north. The Fort Circle Park land is surrounded by large residential areas with little green space. The commercial area should also be noted in relation to the residential areas.

FORT CIRCLE PARKS GREENWAY

WASHINGTON, D.C.



1. Fort Totten Forest



2. Fort Slocum Hill



3. Fort Slocum Edge Planting



4. Fort Totten Hill



5. View of Fort Totten from Road



6. Fort Totten Road



LOCATION OF PHOTOGRAPHS

1 inch equals 1,000 feet



7. Metro Station



8. Fort Totten Hotel



9. Local School



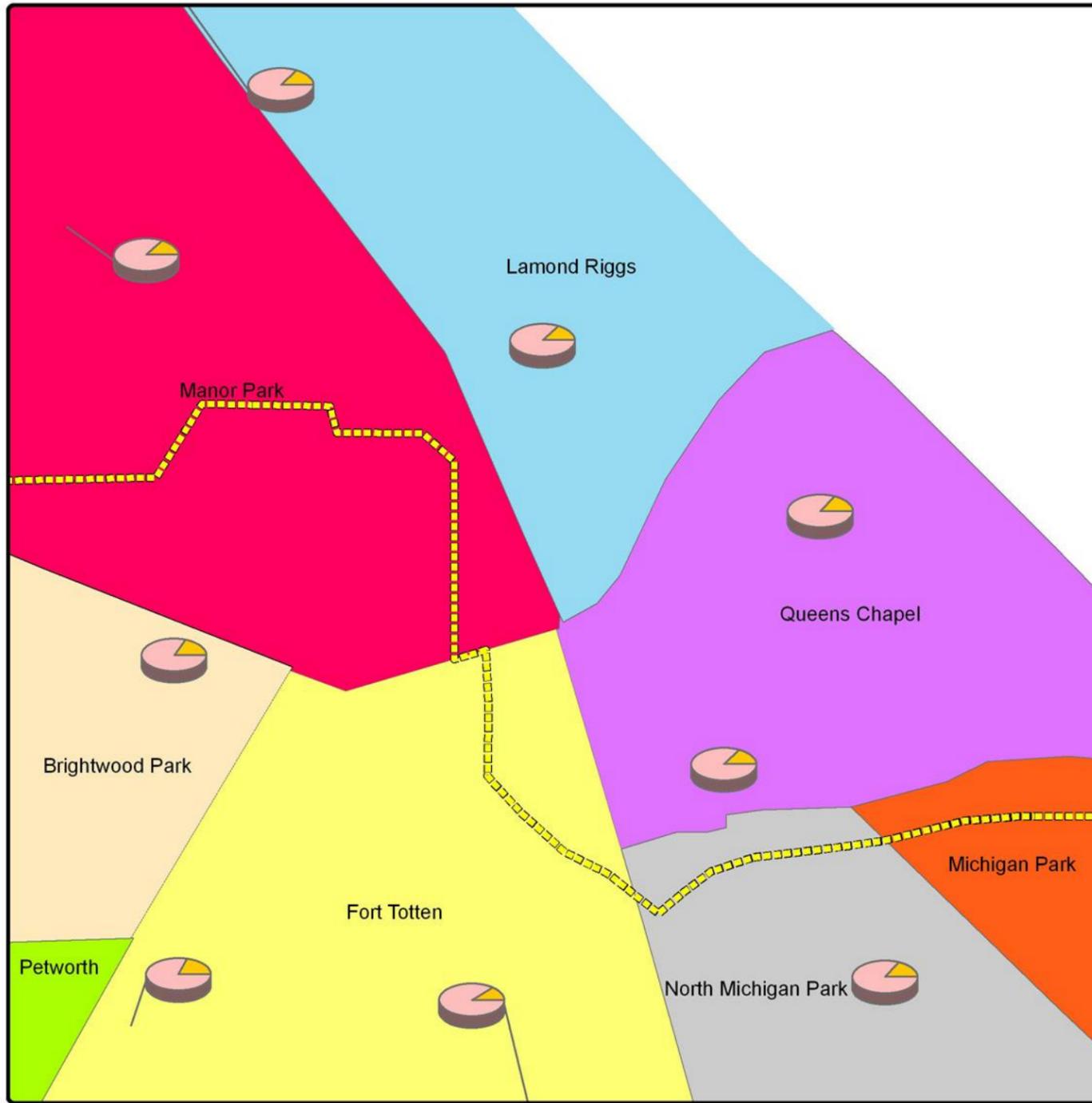
10. Distinct Architecture



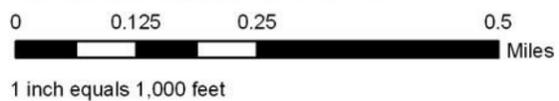
11. Urban Landscape



12. Existing Trail



NEIGHBORHOODS



FORT TOTTEN GREENWAY NEIGHBORHOOD

USER NARRATIVES

COMMUTERS

" My name is John Steiner and I work as an accountant for Canada Dry near Fort Slocum. I use the Fort Circle Greenway trail on weekdays to commute to work. It is great that I am able to exercise on the way to work. With my busy schedule, it is wonderful that I can avoid the traffic and parking issues, and be able to stay healthy. Not only that, but my employer likes it because I don't take up parking space as well as have more energy and a positive attitude for work every morning. The new crossings and bridges at the intersections make it safe and easy for me to avoid vehicular traffic. The alley of trees and the stroll the down the hilltop also makes my walk all the more interesting. The morning sun is on my back the entire time and this new trail has made life a whole lot easier for me. Well, at least in the mornings and evenings. "

JOGGERS

" Dan Belmont is my name and I jog for about 2 hours every day. Well, I try to jog everyday. With this new Greenway trail, I am able to enjoy the entire Washington D.C. area and be free to jog through all sorts of interesting historical sites, as well as wooded and urban areas. Fort Slocum and Fort Totten are great because I can jog through fields and trails under the canopy of tree cover in circles without bothering anyone else. The new pavement and sidewalk are smooth and easy on my feet. I also enjoy the company of other joggers and sometimes me and my buddies get together and jog together. When it gets hot and sunny I can always rest in the shaded seating areas that are close to the trail. I stay fit. "

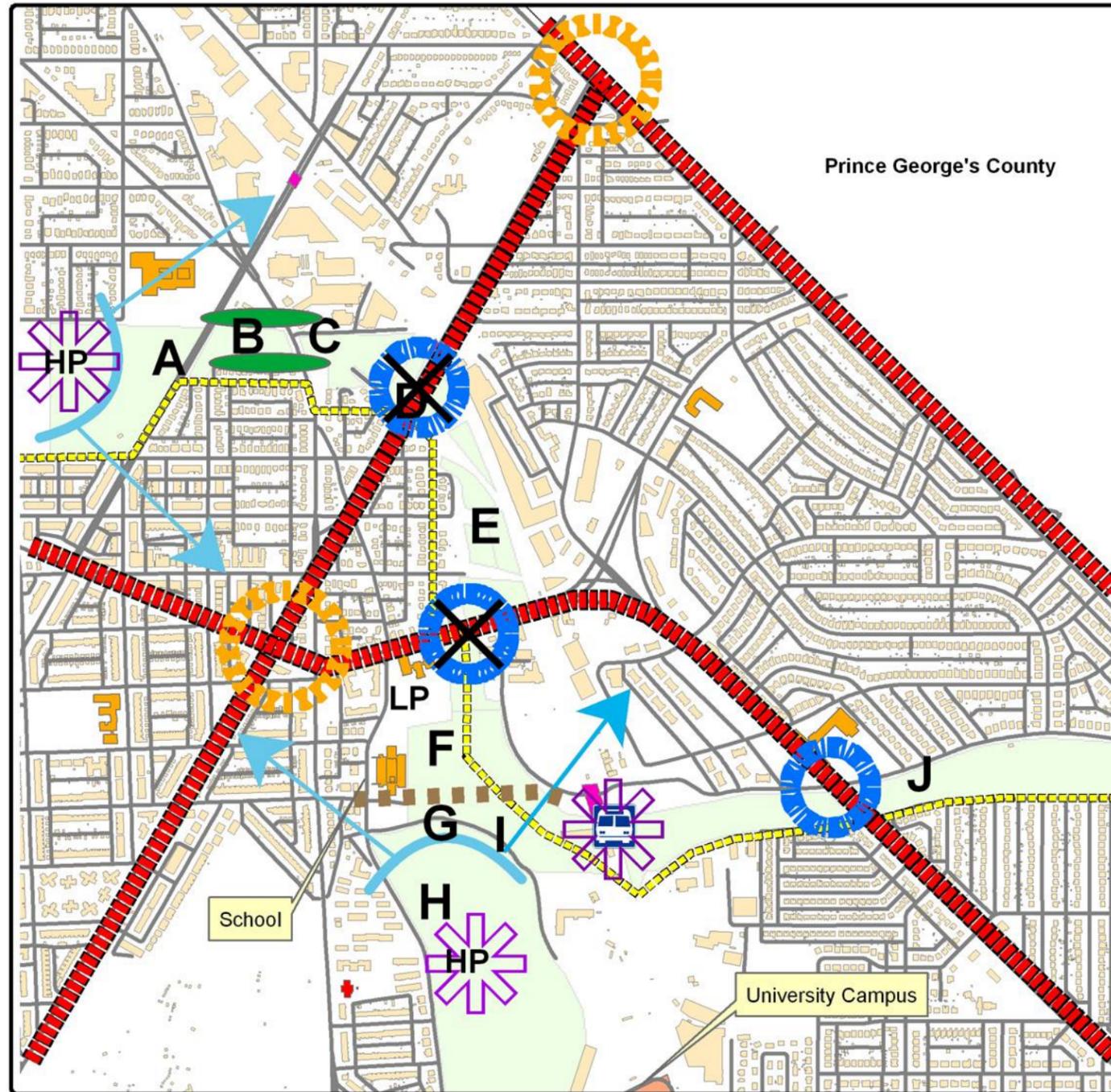
ROLLER-BLADERS

" As an inline-skater, I've been to many skate parks and such, but there aren't many around my neighborhood. Oh, by the way, my name is Sandra Willows. But yea, the Fort Greenway trail through my neighborhood gives me some excitement whenever I decide to go out and blade. The pavement is nice and smooth and wide enough for me to avoid other people. I like the fact that it has side trails which I can wander off into and go a bit faster. Fort Totten is way cool too because I am able to come down pretty fast off the sleep side. The shade is great during the summer and a cool breeze can always be found down past Fort Totten near the school. Farther up the trail I can grind off the retaining walls in the more urban areas. I see little kids all the time too and they are great company. I am so glad this trail is here. "

FORT CIRCLE PARKS GREENWAY

WASHINGTON, D.C.





OPPORTUNITIES AND CONSTRAINTS



Legend

- Greentrail
- National Park Service Parks
- Street
- Building
- Hospital
- School
- University
- Police Station
- Fire Station
- Bridge

LEGEND

- Major Intersection
- Pedestrian / Vehicular Conflict
- Pedestrian Crossing
- Streetscape Opportunity
- Vista / View
- Existing Pedestrian Trail
- Major Node / Focal Point
- Major Access Road
- HP High Point
- LP Low Point

- A OPPORTUNITY**
Start at Fort Slocum at landmark point; vista
- B OPPORTUNITY**
Walk down hill into an alley of trees; microclimate
- C OPPORTUNITY**
Straight-away through commercial area; urban streetscape environment
- D CONSTRAINT**
Pass heavy vehicular traffic on New Hampshire Avenue
- E CONSTRAINT**
Enter buffer zone between commercial buildings and residential neighborhood; screening should be provided
- F OPPORTUNITY**
Pass through school area; interactive opportunities with school yard
- G CONSTRAINT**
Walk up hill to Fort Totten to view landmark, but steep slopes
- H OPPORTUNITY**
Enjoy the view from Fort Totten; seating area opportunity
- I OPPORTUNITY**
Walk down hill to existing trail under the canopy of trees enjoying cool micro-climate
- J OPPORTUNITY**
Pass through residential neighborhood; opportunity for points of interest

FORT CIRCLE PARKS
GREENWAY

WASHINGTON, D.C.



Design Proposal:

1. Make a visual connection from Fort Slocum to Fort Totten.
2. Provide points of interests along the Green Trail.
3. Create a weaving trail that connects the neighborhoods creating interactive green space.
4. Provide edge planting along streets and forest.
5. Implement pocket parks and streetscapes along the urban areas and corridors.
6. Provide perimeter planting for parking lots.

MASTER PLAN

SCALE: 1" = 500'



PLAN OF GREENWAY NEIGHBORHOOD AT NEW HAMPSHIRE AVENUE AND 1ST STREET

1" = 40'



TRAILS THROUGH NATURAL LANDSCAPES WITH EDGE PLANTING



GAZEBO WITH INTERACTIVE GARDEN AND WILD FLOWER MEADOW

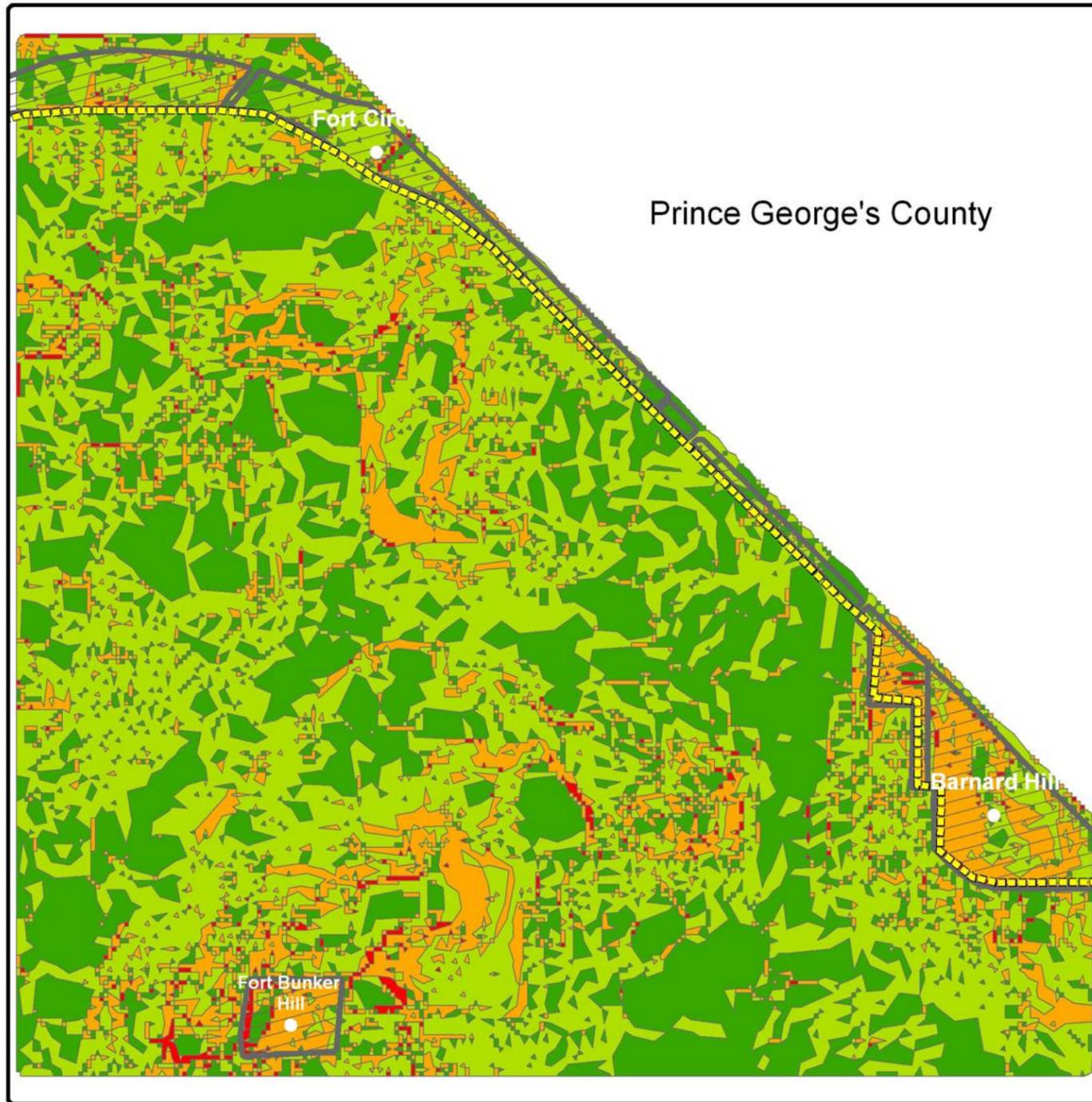


VIEW OF CHILDREN'S PLAYGROUND



SECTION FROM HOUSE TO GREENWAY NEIGHBORHOOD OPEN SPACE AND TRAIL

1" = 10'



SLOPE

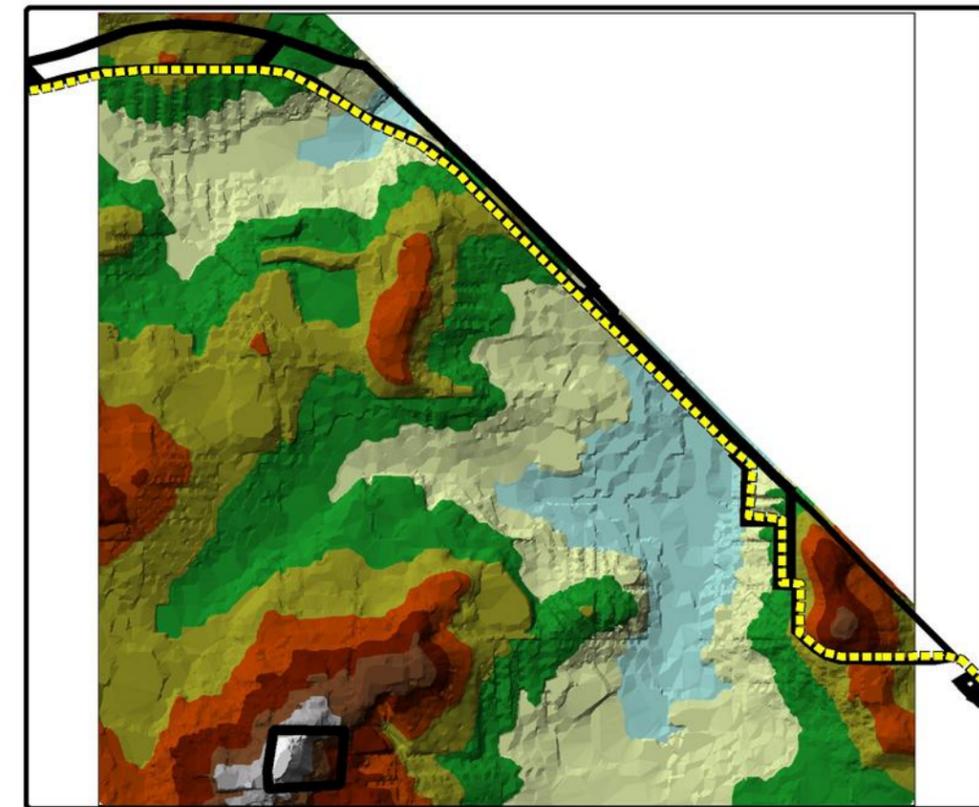


1 inch equals 1,000 feet

--- FCP Greenway Trail

Slopes

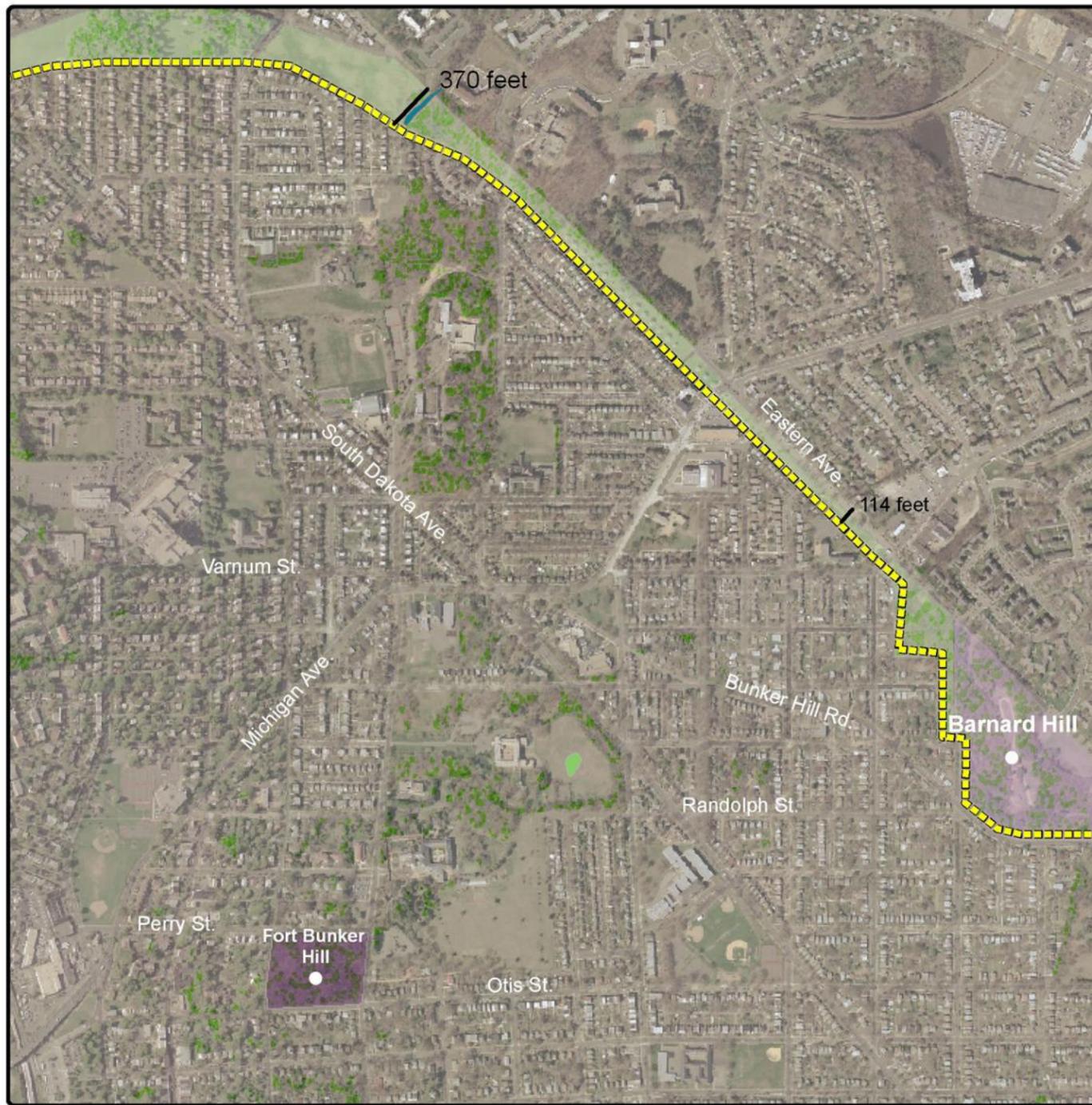
- Gentle 0 - 5%
- Moderate 5 - 20%
- Steep 20 - 50%
- Very Steep 50 - 86%



RELIEF

DESCRIPTION

This area of the greenway has a majority of gentle and moderate slopes. An exception to this rule is at Barnard Hill at the southeast of the trail where the slopes become steep, and at Fort Bunker Hill to the south of the parcel where the slopes are steep as well with a few very steep areas.



WATER, WETLANDS & WOODLANDS



1 inch equals 1,000 feet

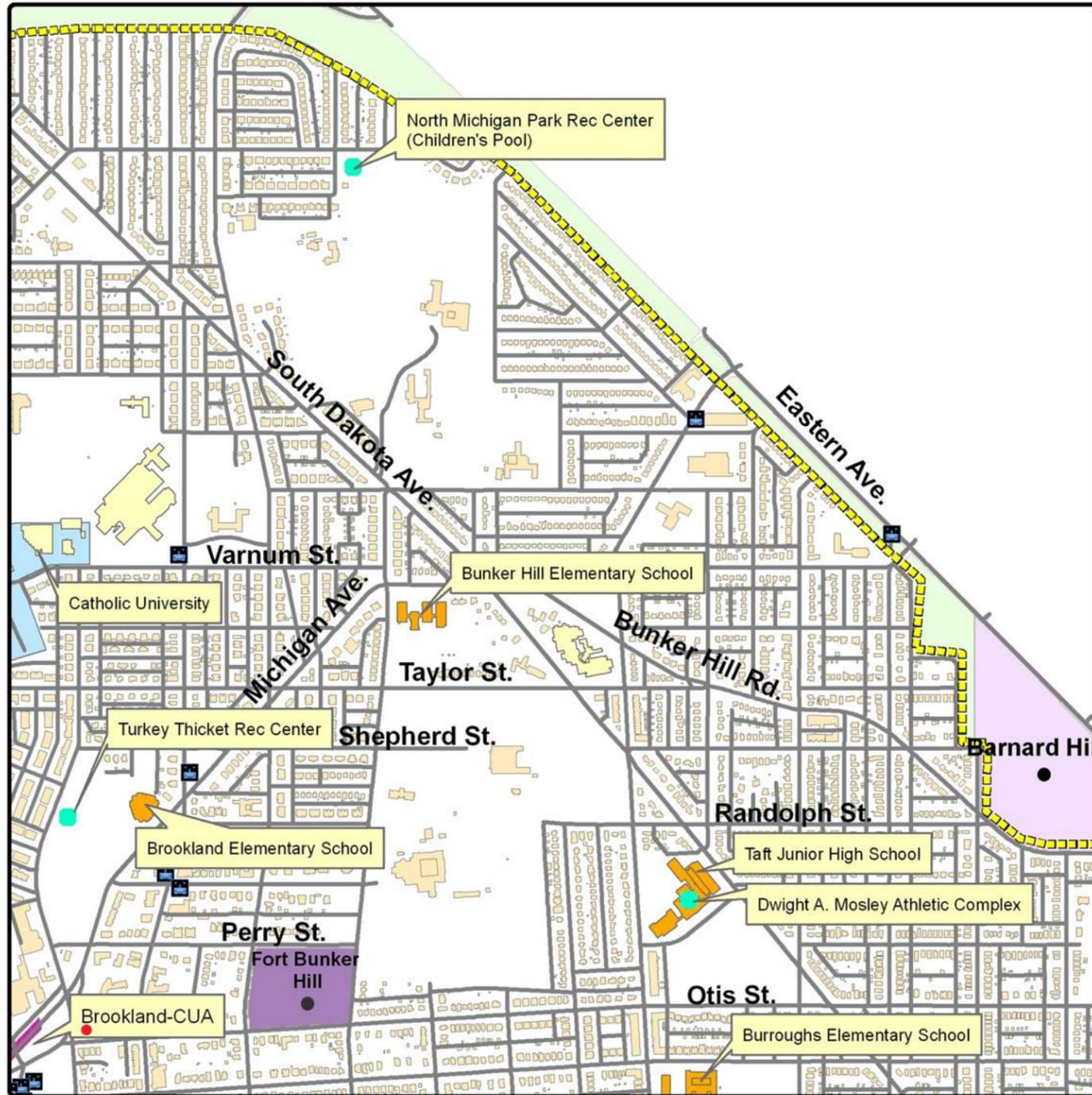
- NPS Parks**
NAME
- Barnard Hill
 - Fort Bunker Hill
 - Fort Circle Park
 - Wetland
 - Woodland
- Water**
- River
 - FCP Greenway Trail



MICHIGAN PARK & SAINT ANSELM'S

DESCRIPTION

The woodlands along the park in this area is very sparse because of the high density of residences. However, there is a dense area of woodland about a half of a mile down the start of the greenway to the south surrounding a building. A fair amount of woodland also exists further south by Bunker Hill, and to the immediate northeast of Bunker Hill. Barnard Hill has fair woodland cover as well.

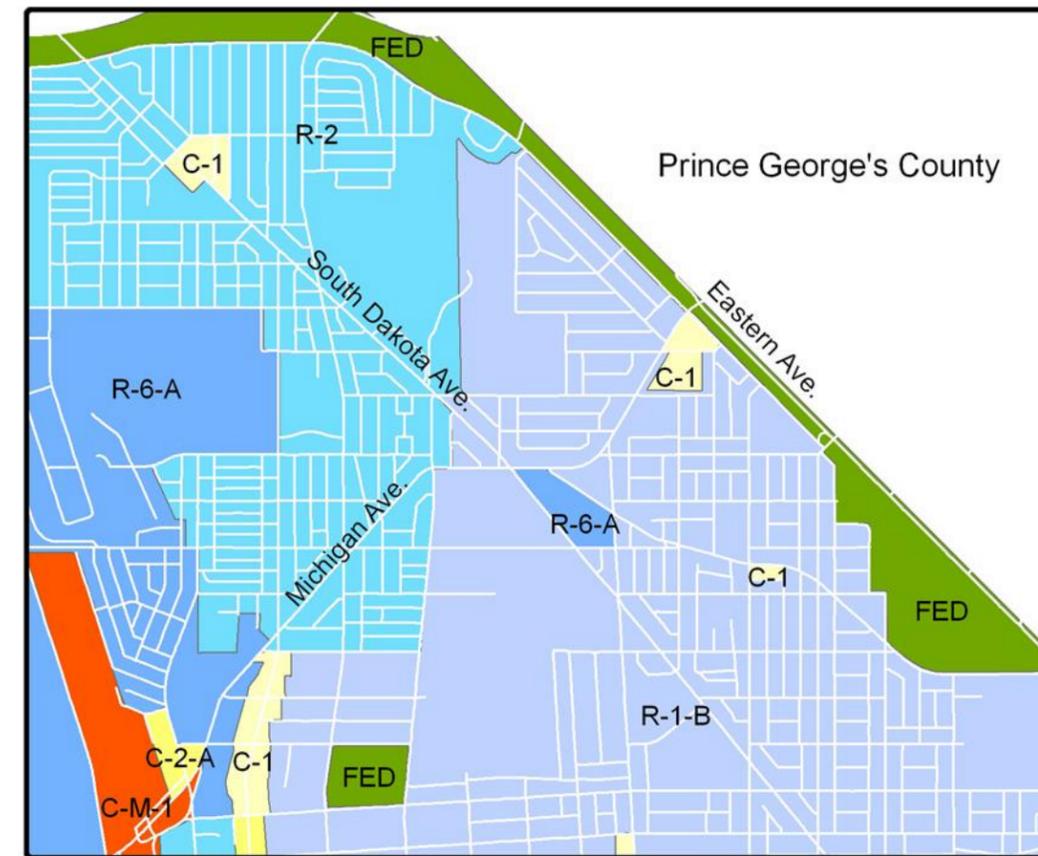


BUILDINGS, STREETS & SIGNIFICANT CULTURAL FEATURES



1 inch equals 1,000 feet

- University Campus
- Bridge
- School
- Building
- Barnard Hill
- Fort Bunker Hill
- Fort Circle Park
- Metro Station
- Public Transportation
- Recreational Facility
- FCP Greenway Trail
- Streets
- Hospital



ZONING

- C-1
- C-M-1
- R-1-B
- R-5-A
- C-2-A
- FED
- R-2

DESCRIPTION

This area contains many important facilities and cultural features that will influence a development of a greenway in the area. There is metro access to the neighborhoods as well as good public transportation by bus. Many elementary schools, as well as a junior high school, are located in the area. Three recreational facilities exist as well. There is a lack of fire and police stations in the area.

FORT CIRCLE PARKS GREENWAY

WASHINGTON, D.C.



PHOTOGRAPHIC INVENTORY



1. Basketball courts at North Michigan Park Rec Center



2. Approaching Fort Circle Park from Michigan Ave.



3. Housing and bus station on Eastern Ave. across the street from Fort Circle Park



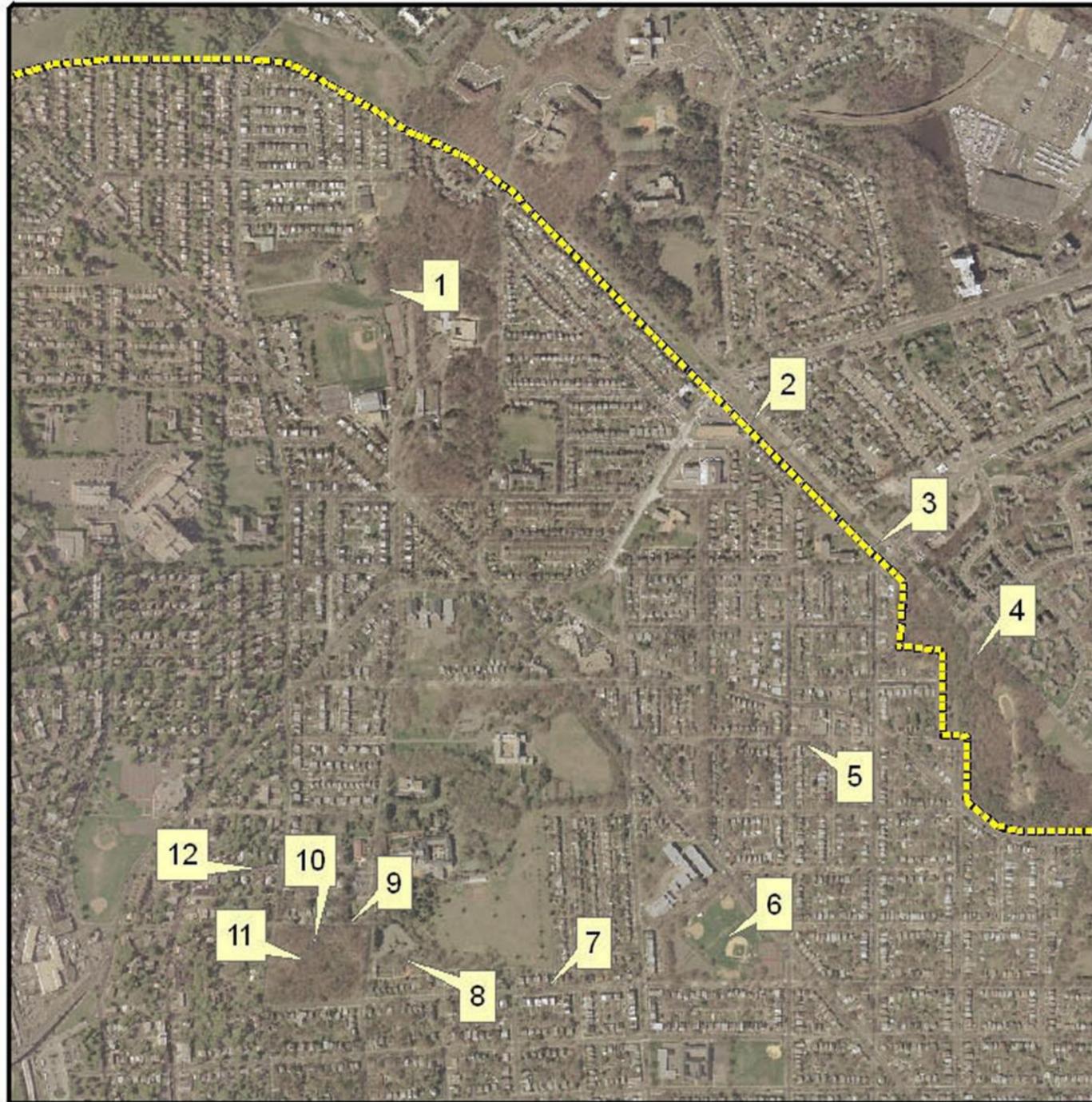
4. Small open area in Barnard Hill



5. Homes off of South Dakota Ave. and Shephard St.



6. Playground at Dwight A. Mosley Athletic Complex



LOCATION OF PHOTOGRAPHS

1 inch equals 1,000 feet



7. View looking down Otis St.



8. Parking lot on 14th Street between Perry St. and Otis St.



9. Entrance to Fort Bunker Hill on Perry St.



10. Trail in Fort Bunker Hill



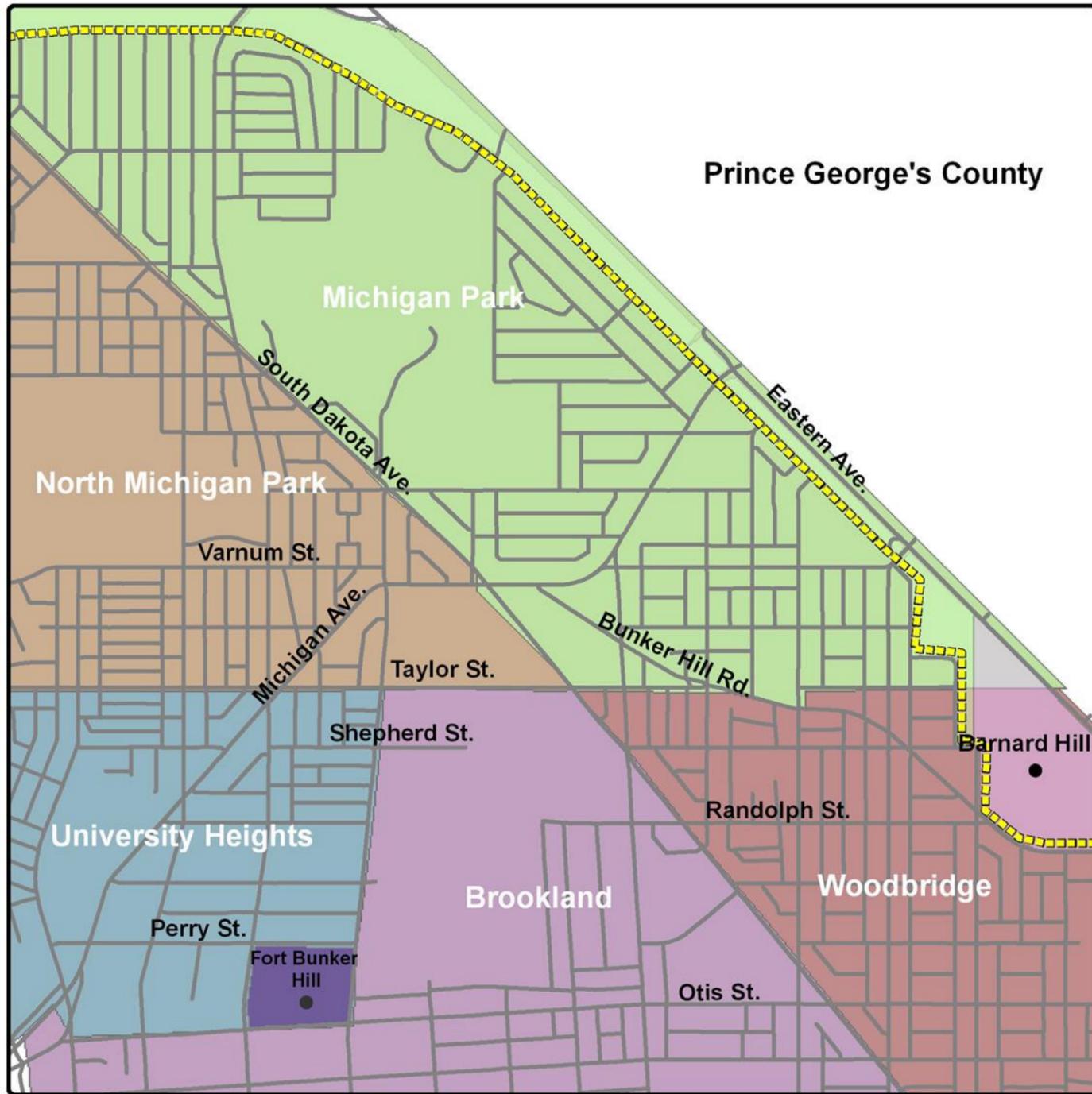
11. Foliage in Fort Bunker Hill



12. House on Quincy St.

FORT CIRCLE PARKS
WASHINGTON, D.C. GREENWAY





NEIGHBORHOODS



1 inch equals 1,000 feet

- FCP Greenway Trail
- Streets
- Barnard Hill
- Fort Bunker Hill
- Fort Circle Park
- Brookland
- Michigan Park
- North Michigan Park
- University Heights
- Woodridge

DESCRIPTION

The neighborhoods in this area of Washington, DC are mainly residential. The many elementary schools support the large number of children that live in the area.

USER NARRATIVES

EXERCISERS

I am so glad I have a place to rollerblade on the weekends! The new greenway in my neighborhood in Fort Bunker is just great. I can go on over to the pathway, put on my rollerblades, and enjoy a great workout every day after I get home from classes at Catholic University. I love the trees I pass and the greenery that forms a canopy over my head. The area seems so much healthier ever since the greenway was made. I feel like I can just breathe easier. Rollerblading with my friends is especially fun and I'm glad I have a safe place nearby where I can experience this activity.

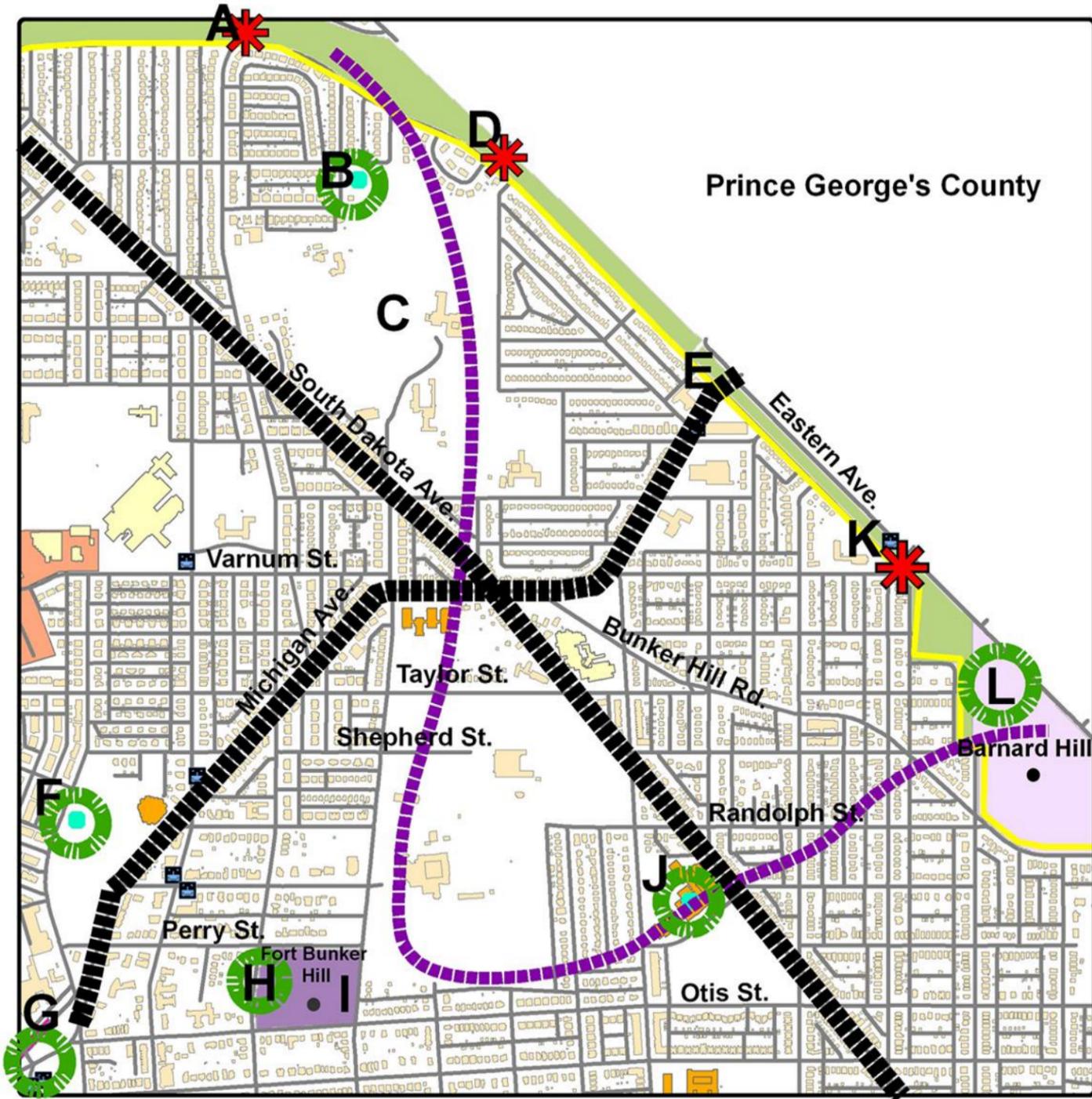
SLEDDERS

Sledding off of the Fort Circle Greenway is so much fun in the winter! When it snows and I get off from school my mommy lets me ride down the slopes in a sled that she bought for me and my brother. The cold doesn't bother me because I warm right up when I'm racing down those hills. Weee!!! I could do this all day long. I hope we have another snow day tomorrow.

WALKERS

It's so nice having a place to take a stroll at night with my husband. Walking along the path through Fort Bunker and Fort Circle parks is so serene at dusk. The crickets at night are somewhat soothing to me and the greenery gives me a calm feeling. I love hearing the breeze rustle the leaves of the tall green oaks as I leisurely walk down the path with my loved one. I'm so lucky to have a pathway like this practically in my backyard.





OPPORTUNITIES AND CONSTRAINTS



1 inch equals 1,000 feet

- Opportunity
- Constraint
- Major Roadways
- Primary FCP Greenway Trail
- Proposed Secondary Greenway Trail

- A** **CONSTRAINT**
Road disrupting the continuity of the greenway.
- B** **OPPORTUNITY**
Linkage from the greenway to the North Michigan Park Recreational facility (children's pool).
- C** **OPPORTUNITY**
This large wooded area would provide a great chance to connect to even more natural green spaces on the greenway path.
- D** **CONSTRAINT**
Gallatin Place (road) disrupting the continuity of the greenway.
- E** **OPPORTUNITY**
Although this road intersects this area, it is a major path of access to the greenway through the use of public transportation. It leads to the Metro and various bus stops.
- F** **OPPORTUNITY**
Appeal of the greenway would be enhanced if linkage to this recreational facility could be provided.
- G** **OPPORTUNITY**
Metro access.
- H** **OPPORTUNITY**
This summit in the topography on Fort Bunker Hill provides a potentially good view of the area.
- I** **OPPORTUNITY**
Fort Bunker Hill has the potential to be connected to the trail for both its educational purpose as a fort and its natural beauty as a wooded area.
- J** **OPPORTUNITY**
The many schools in the area provide a great group of users for the area's greenway. This is not only a school, yet is a very good opportunity to have more recreational facilities available to the users.
- K** **CONSTRAINT**
Road disrupting the continuity of the greenway, as well as a bus stop that may equate to more traffic than wanted in this area of the greenway.
- L** **OPPORTUNITY**
This summit in the topography on Barnard Hill provides a potentially good view of the area.

Notes: Another constraint of this area of Washington, DC is that the many residential structures could pose problems when trying to smoothly link one space to another in greenway planning and construction.

The proposed secondary greenway trail would allow for linkage to two recreational facilities, increase the amount of woodlands on the trail, and linkage to Fort Bunker Hill, back around to Barnard Hill. Although it would cross through the major intersection of Michigan and South Dakota Avenues, it would avoid 2 other unnecessary divisions of Fort Circle Park from road intersections, and eliminate the main traffic from a bus route, making it an alternative entrance to the greenway instead of an interference on the main trail.

FORT CIRCLE PARKS GREENWAY

WASHINGTON, D.C.





MASTER PLAN



FORT BUNKER HILL



Fort Perspective

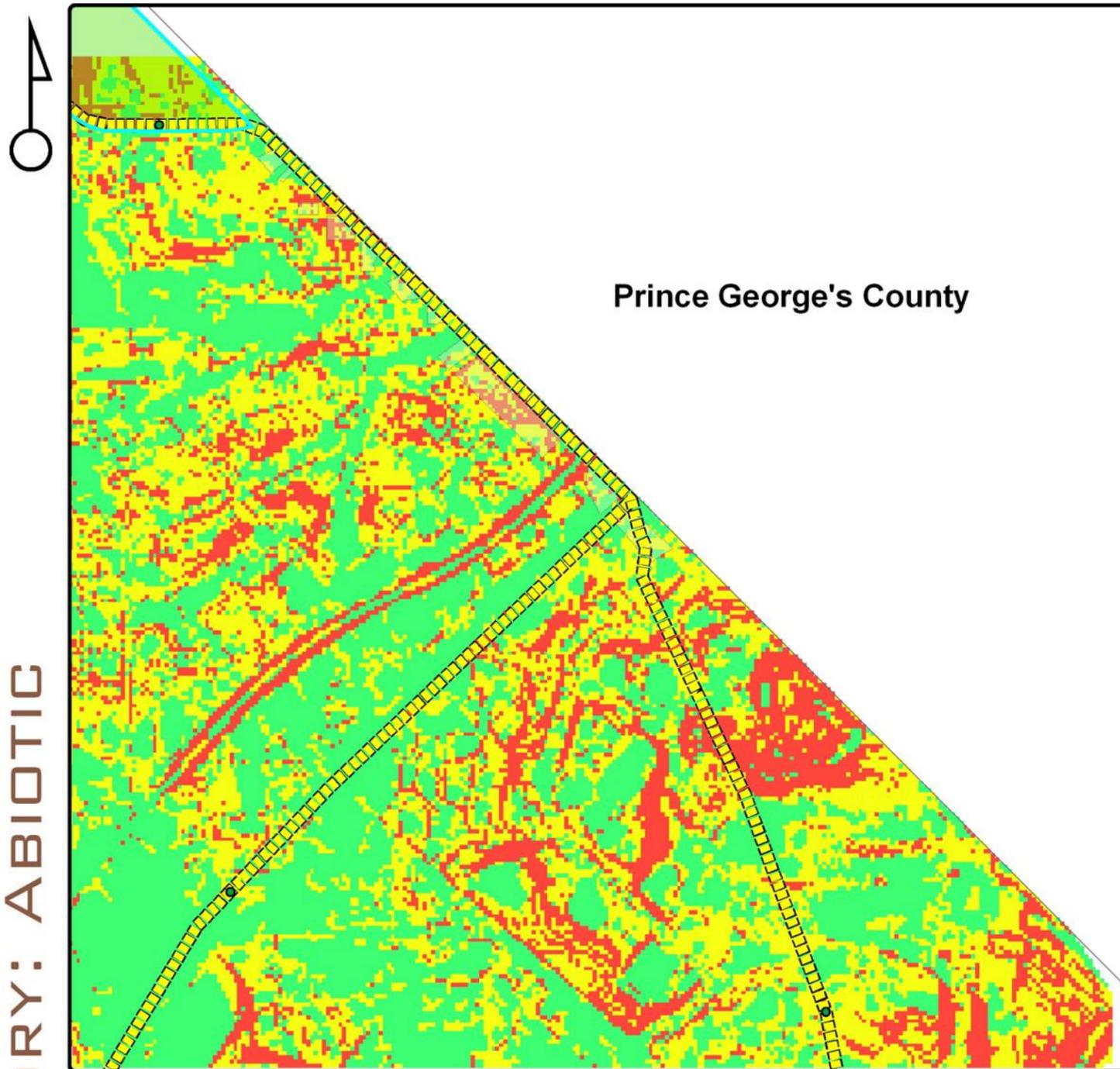


Garden Perspective

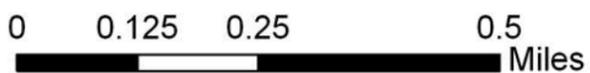


Section from Fort Amphitheater to Police Station

DESIGN SOLUTIONS

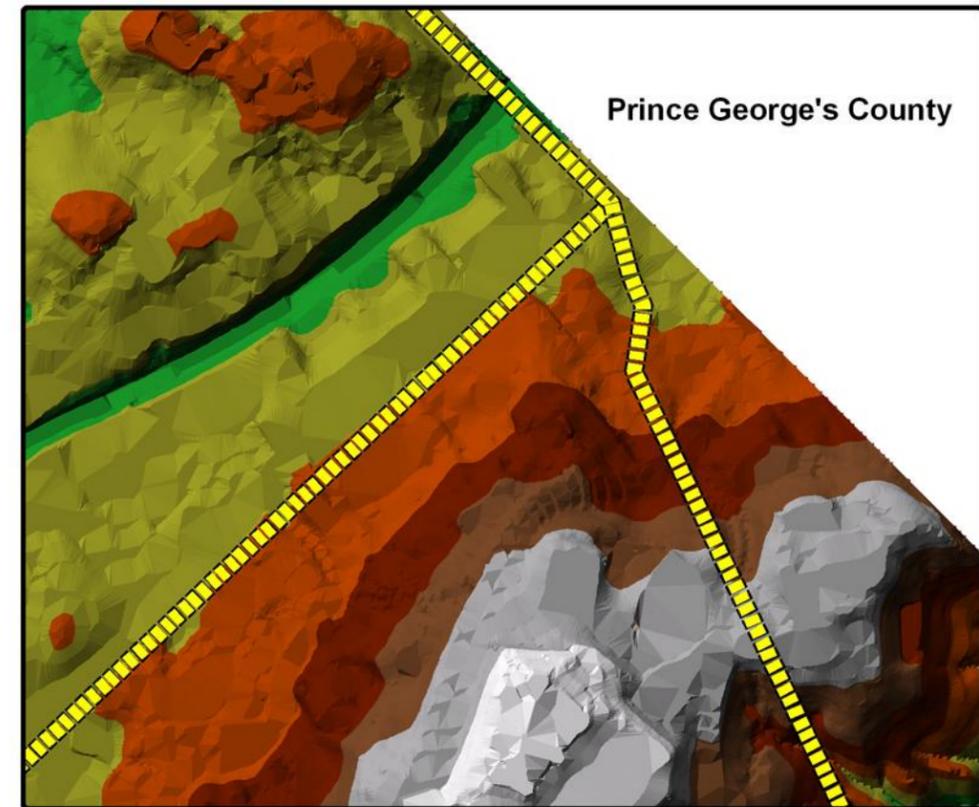


SLOPE

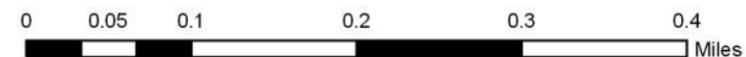


1 inch equals 1,000 feet

- fcptrailjunction
- NPS Parks**
- NAME**
- Barnard Hill
- Fort Circle Park
- Gentle Slope < 5%
- Moderate Slope 5-10%
- Steep Slope > 15 %
- fcptrailjunctpts



RELIEF



DESCRIPTION

The trail is predominately located on gentle slopes, so this facilitates construction. In several occasions, however, the trail is on severe slopes that are greater than 15% and this may be problematic. In addition, in several areas the trail will be high in elevation therefore providing an opportunity for magnificent views.

Elevation

- 193.929 - 216.530
- 171.328 - 193.929
- 148.727 - 171.328
- 126.126 - 148.727
- 103.524 - 126.126
- 80.923 - 103.524
- 58.322 - 80.923
- 35.721 - 58.322
- 13.120 - 35.721
- arc_Clip
- fcptrailjunctpts
- fcptrailjunction

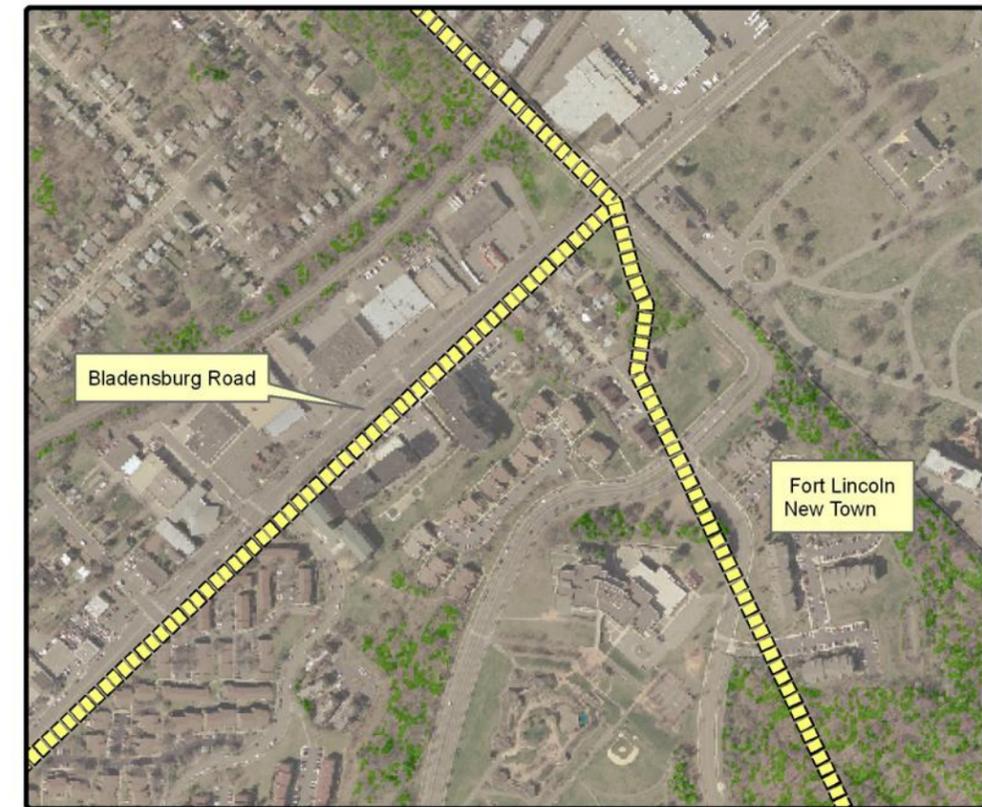


WATER, WETLANDS, AND WOODLANDS



1 inch equals 1,000 feet

- Wetlands
- Woodlands
- NPS Parks
- Barnard Hill
- Fort Circle Park
- fcptrailjunctpts
- fcptrailjunction

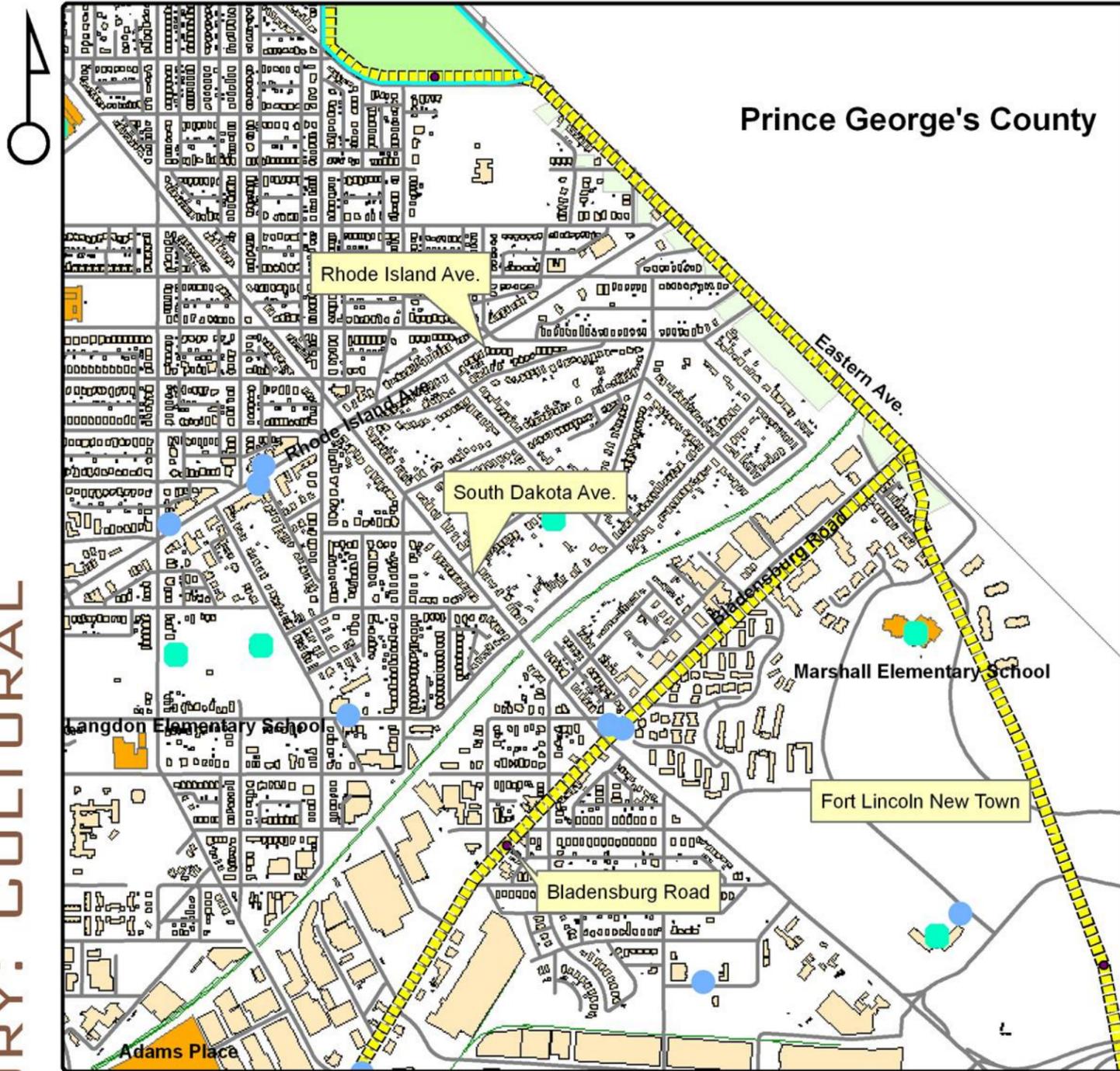


POTENTIAL TRAIL JUNCTION



DESCRIPTION

There is very little woodland in in the proposed trail area. However the alternate trail provides more woodlands and therefore should be considered a potential trail path. Also, there are no bodies of water or streams. in Fort Lincoln Neighborhood Greenway. Finally, there are many residential neighborhoods with main roads to cross and this presents a problem.

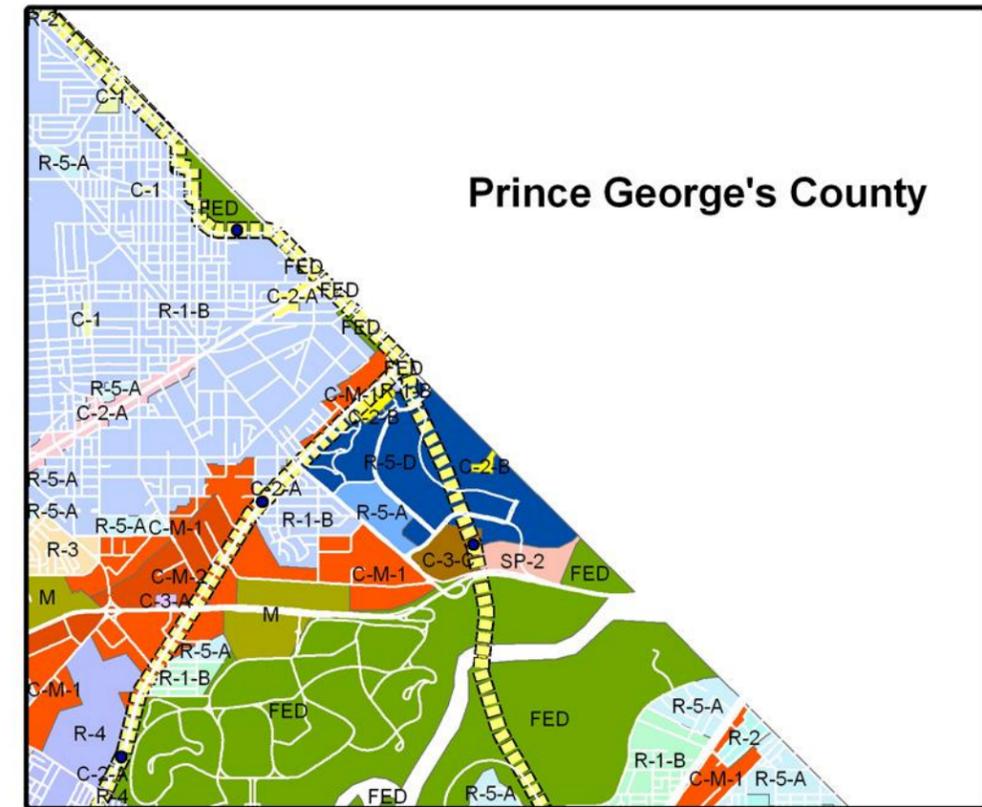


BUILDINGS, STREETS, AND SIGNIFICANT CULTURAL FEATURES



1 inch equals 1,000 feet

- Public Transportation
- Recreational Facilities
- ▲ Metrostations
- Streets
- Universities
- Hospitals
- Firestations
- Policestations
- Schools
- Buildings
- NPS Parks
- Barnard Hill
- Fort Circle Park
- railroad arc
- fcptrailjunctpts
- fcptrailjunction



ZONING



Zoning

- C-2-A
- C-2-B
- C-3-C
- C-M-1
- C-M-2
- FED
- R-1-B
- R-5-A
- R-5-D
- SP-2
- Junction
- Trail
- fcptrailjunctpts
- fcptrailjunction
- street/arc

The Fort Lincoln Greenway Neighborhood consists mostly of residential but there are some commercial buildings as well. Also, the majority of the trail in this neighborhood runs along the boundary of Washington D.C.. Also there are several public transportation stops around the trail so accessibility to the trail is good.



This is a view of the woodlands at Bernard Park.



This is a view of the of a home off of Eastern Ave..



This is a view of Eastern Ave.



This is a view of the woodlands at Fort Circle Park.



LOCATION OF PHOTOGRAPHS

1 inch equals 1,000 feet



This is a view of the CSX railway.



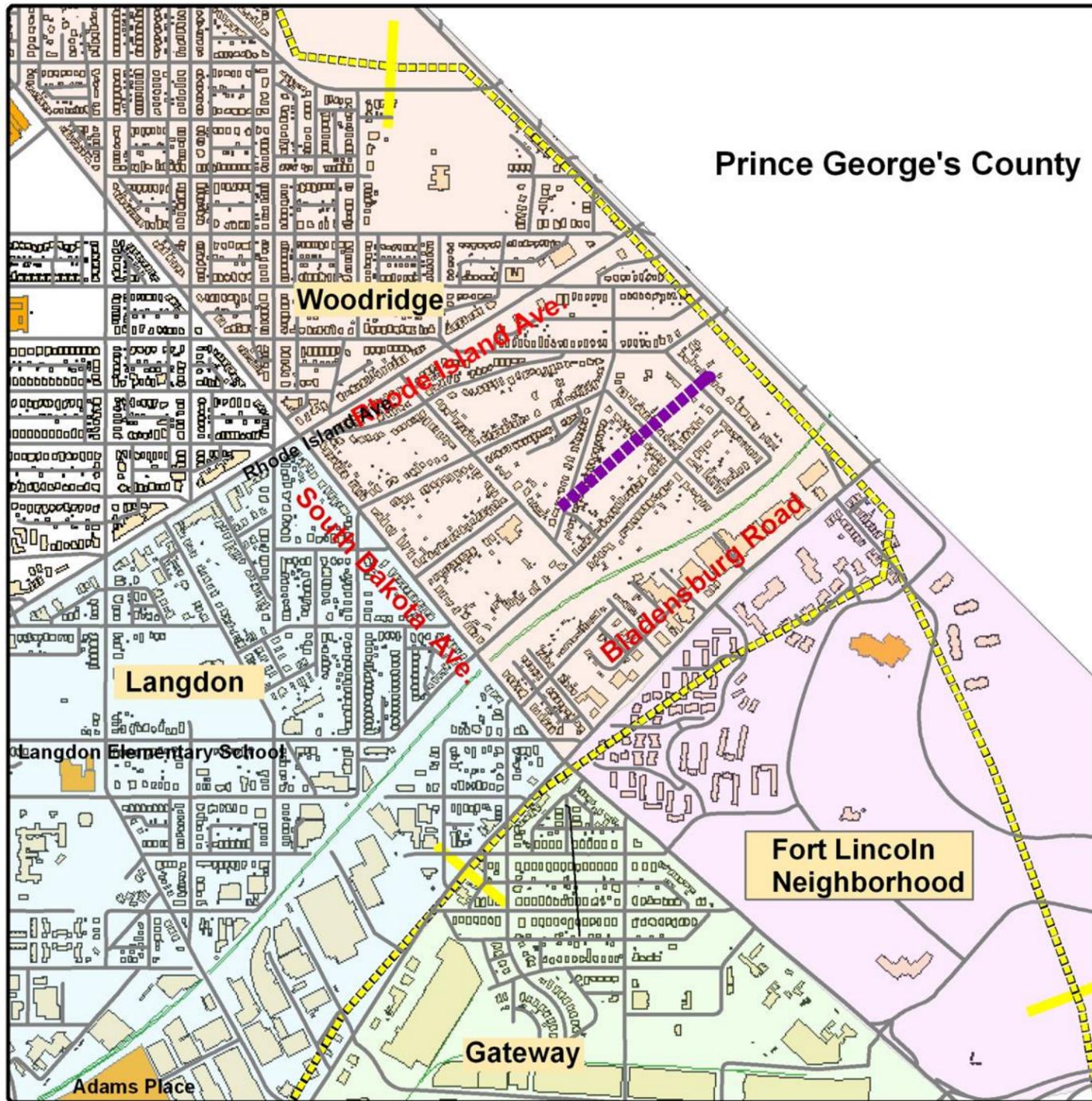
This is a view of the Bladensburg Road.



This is a view of the woodlands at Fort Lincoln NewTown.



This is a view of the Bladensburg Road.



NEIGHBORHOODS



1 inch equals 1,000 feet

- Streets
- Junction
- Trail
- Fort Lincoln
- Gateway
- Langdon
- Woodridge
- Schools
- Buildings

Prince George's County

FORT LINCOLN GREENWAY NEIGHBORHOOD

DESCRIPTION

The Fort Lincoln Park Greenway Neighborhood has a large child population under the age of 18. This is because of the numerous residential neighborhoods that surround the trail. The users are likely to be mostly families. The schools around the area will also bring in a young crowd.

STUDENT

I am a student at Marshall Elementary school and I love the new trail that passes right next to my school. Once to twice a month, depending on how good we are, our teacher takes us on the trail to view the surrounding natural environment since our school grounds doesn't have any. We get to see birds, squirrels, and other small animals. The path is so fun to walk on because you're away from school and it is a change from the usual boring environment. There are tall trees and pretty plantings that make the trip so fun.

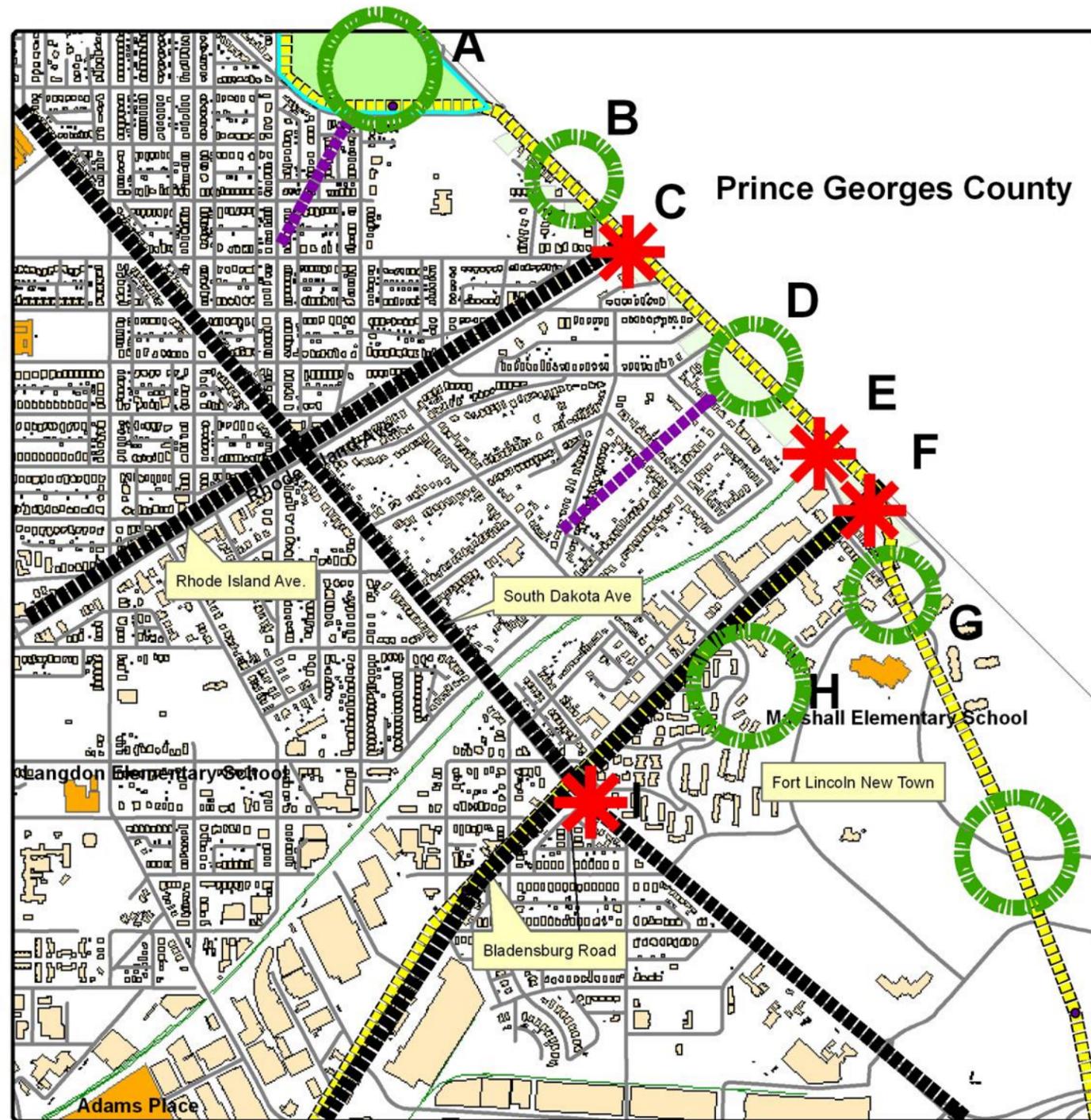
JOGGER

I am 18 year old high school student who lives off of Elm Street and some days I am so stressed out from all of the work we get at school. As a result, I enjoy relieving the stress by taking a nice long jog along the community trail. The trail is so nice because it is so close to the neighborhood where I live. I enjoy jogging on the soft path of mulch chips. I see so many different trees and shrubs and it gives a nice change of environment from what I am used to so it is truly soothing.

BIKER

Today my wife and I wanted to get out of the house so we decided to take a ride on our bikes. So what better place to ride than the nature trail that is several blocks away. It's a Saturday so it should be fairly busy, but since the trail is so large it shouldn't be a problem. The leaves on the trees are beginning to bloom and the flowers are coming up. It is truly a peaceful environment that we can retreat to.

FORT CIRCLE PARKS
WASHINGTON, D.C. GREENWAY



OPPORTUNITIES & CONSTRAINTS

0 0.125 0.25 0.5 Miles

1 inch equals 1,000 feet

- Streets
- NPS Parks
 - Barnard Hill
 - Fort Circle Park
 - dcbound polygon
 - Universities
 - Hospitals
 - Schools
 - Buildings
 - railroad arc
 - fcptrailjunctpts
 - fcptrailjunction
- Opportunity
- Constraint
- Linkage
- Major Roadway

- A Opportunity**
An opportunity is presented in this area because the trail runs through Barnard Hill Park. This is convenient because the Woodridge Neighborhood is close, therefore, a linkage can be created from the neighborhood to the park and trail.
- B Opportunity**
An opportunity is presented in this area because the trail enters several small segments of Fort Circle Park. This is convenient again because Woodridge neighborhood inhabitants can be linked from the neighborhood to the park and trail.
- C Constraint**
A constraint is presented here because the trail must cross Rhode Island Avenue and this is a very busy roadway.
- D Opportunity**
An opportunity is presented in this area because the trail again re-enters the Fort Circle Park. This is good because Woodridge neighborhood inhabitants can be linked from the neighborhood to the park and trail.
- E Constraint**
A constraint is presented here because the trail must cross the CSX, which is a major railroad.
- F Constraint**
A constraint is presented here because the trail must shortly cross Bladensburg Rd.
- G Opportunity**
An opportunity is presented in this area because the trail passes by Thurgood Marshall Elementary School. Here students and faculty can walk a short distance to the trail.
- H Opportunity**
An opportunity is presented in this area because Fort Lincoln New Town residents can be linked to trail and lounge areas can be stationed for pleasant views from its high elevation.
- I Constraint**
A constraint is presented here because the trail must shortly cross South Dakota Ave., another large roadway.



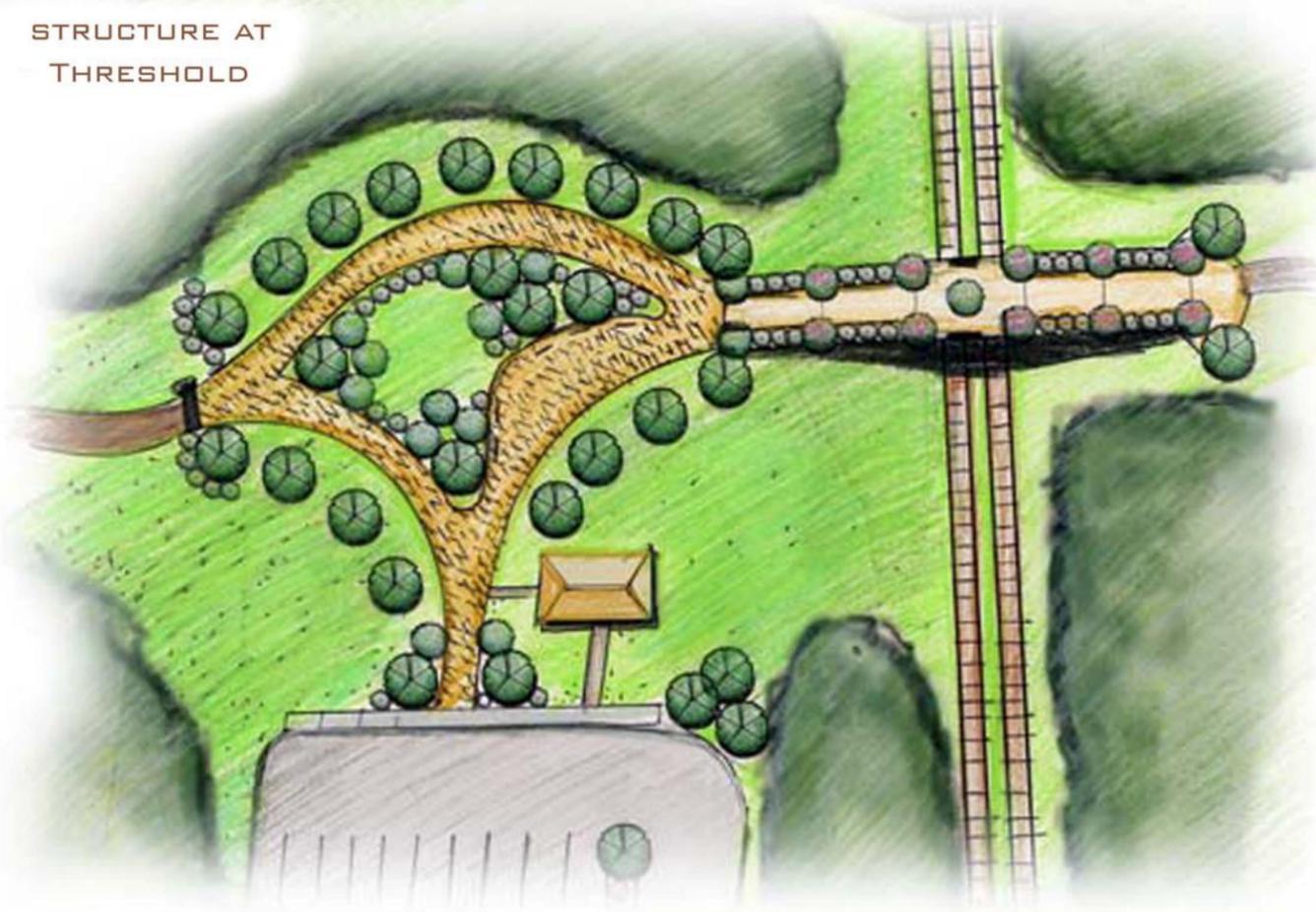
STRUCTURE AT THRESHOLD

MASTER PLAN OF NEIGHBORHOOD

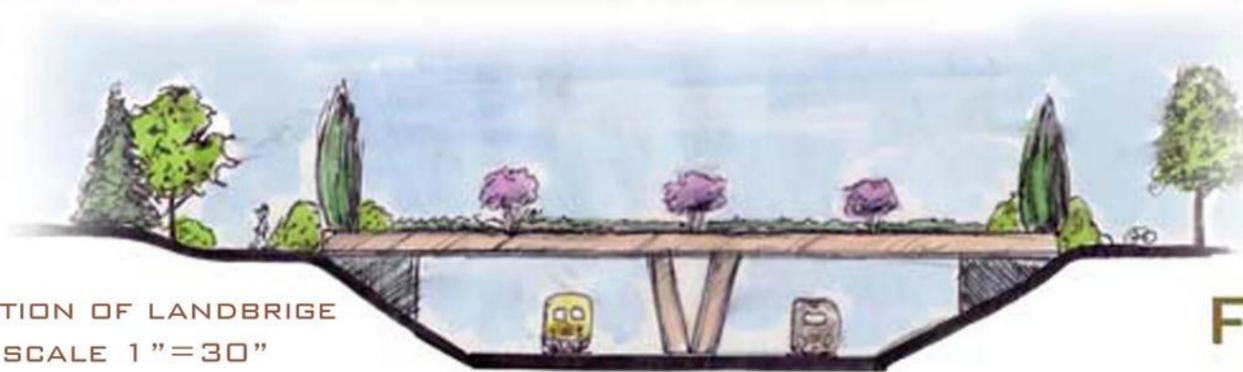
- FOCUS AREA
- PROPOSED TRAIL ROUTE
- ALTERNATE TRAIL ROUTE



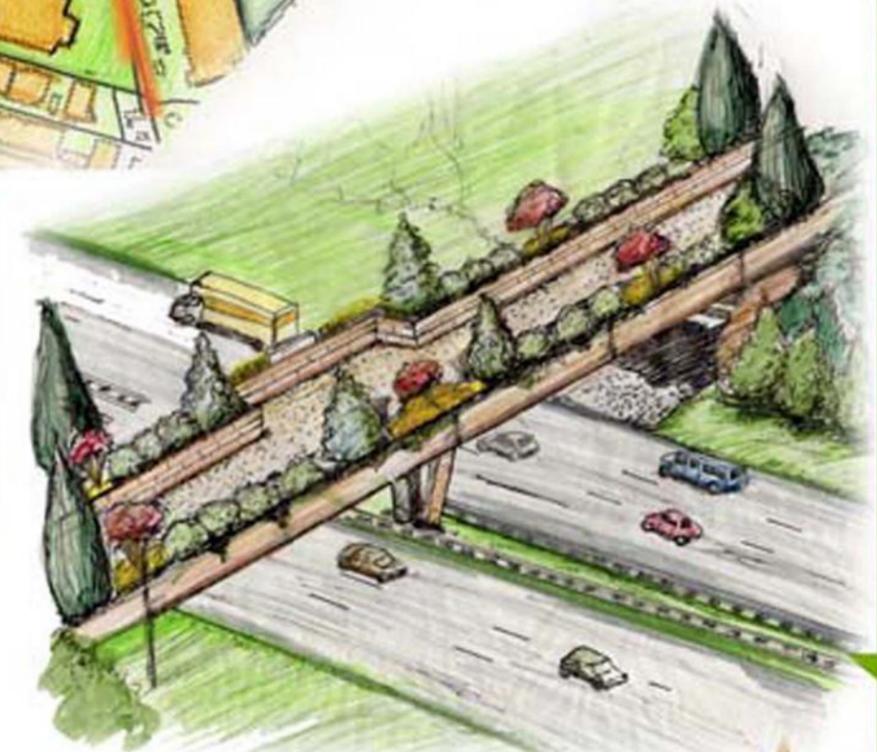
PERSPECTIVE OF LANDBRIDGE



FOCUS AREA PLAN
SCALE 1"=30'

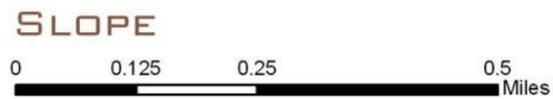
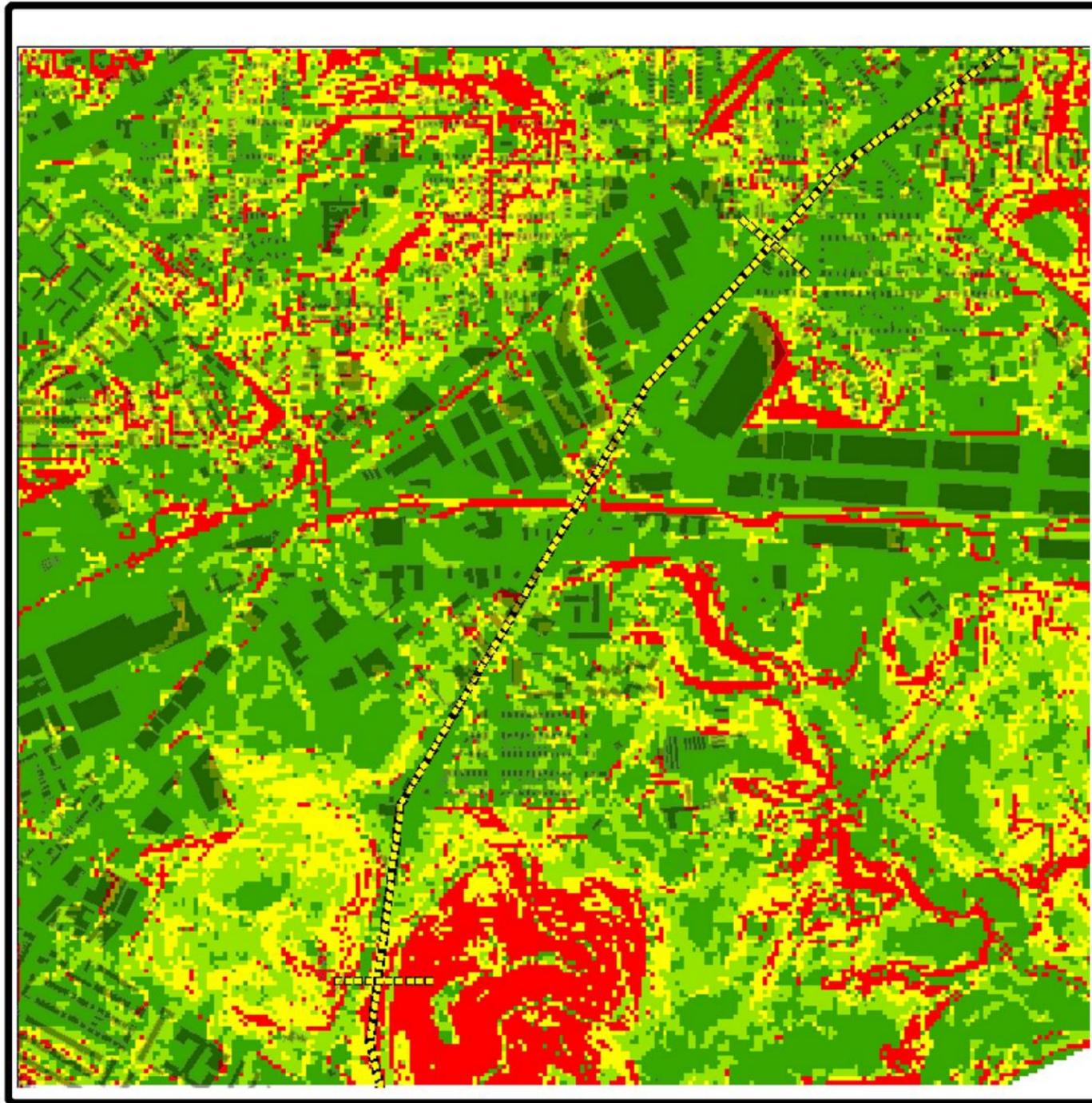


SECTION OF LANDBRIDGE
SCALE 1"=30"



FORT CIRCLE PARKS
GREENWAY

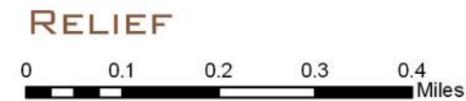
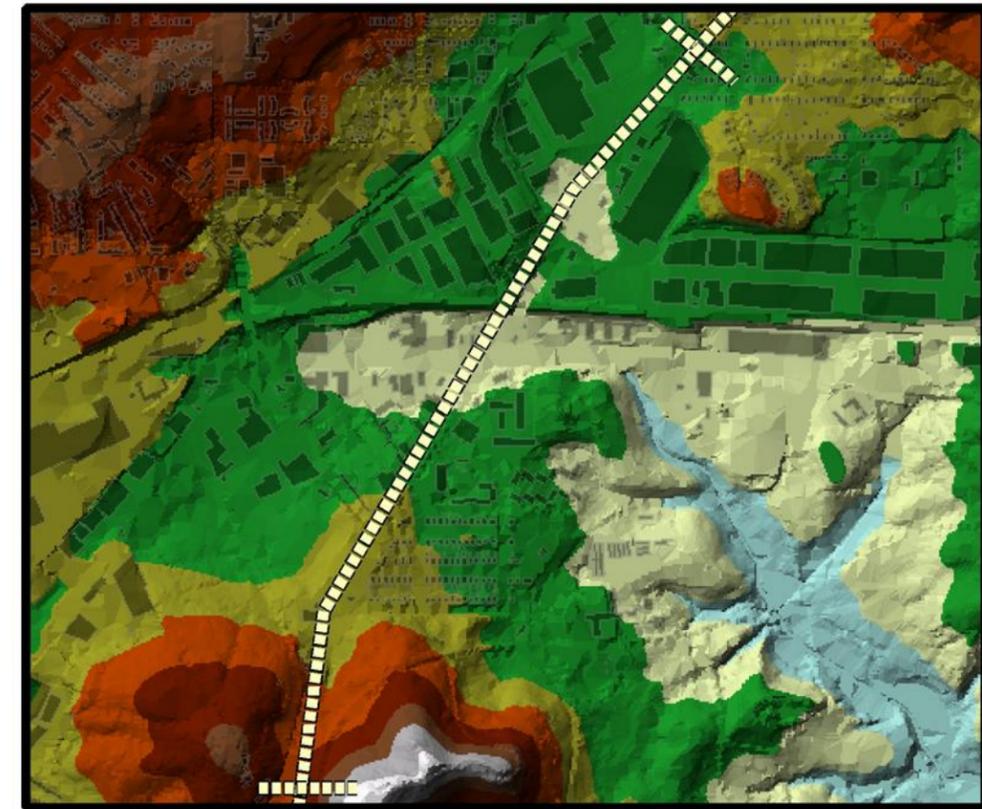
WASHINGTON, D.C.



1 inch equals 1,000 feet

- Legend**
- Building
 - Green Trail
 - <8% Gentle
 - 8-15% Moderate
 - 15-25% Steep
 - >25% Very Steep

BLADENSBURG GREENWAY NEIGHBORHOOD



- Legend**
- Greenway
- Elevation**
- 210.338 - 236.220
 - 184.456 - 210.338
 - 158.573 - 184.456
 - 132.691 - 158.573
 - 106.809 - 132.691
 - 80.927 - 106.809
 - 55.044 - 80.927
 - 29.162 - 55.044
 - 3.280 - 29.162
 - building polygon

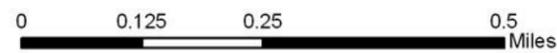
DESCRIPTION

The parcel shown has a variety of slopes. The steepest slopes are near the National Arboretum. The trail alignment should follow close to where it is currently proposed.

FORT CIRCLE PARKS
WASHINGTON, D.C. GREENWAY



WATER, WETLANDS, AND WOODLANDS



1 inch equals 1,000 feet

Legend

-  Green Trail
-  Wetland
-  NPS Parks
-  Water
-  Woodland

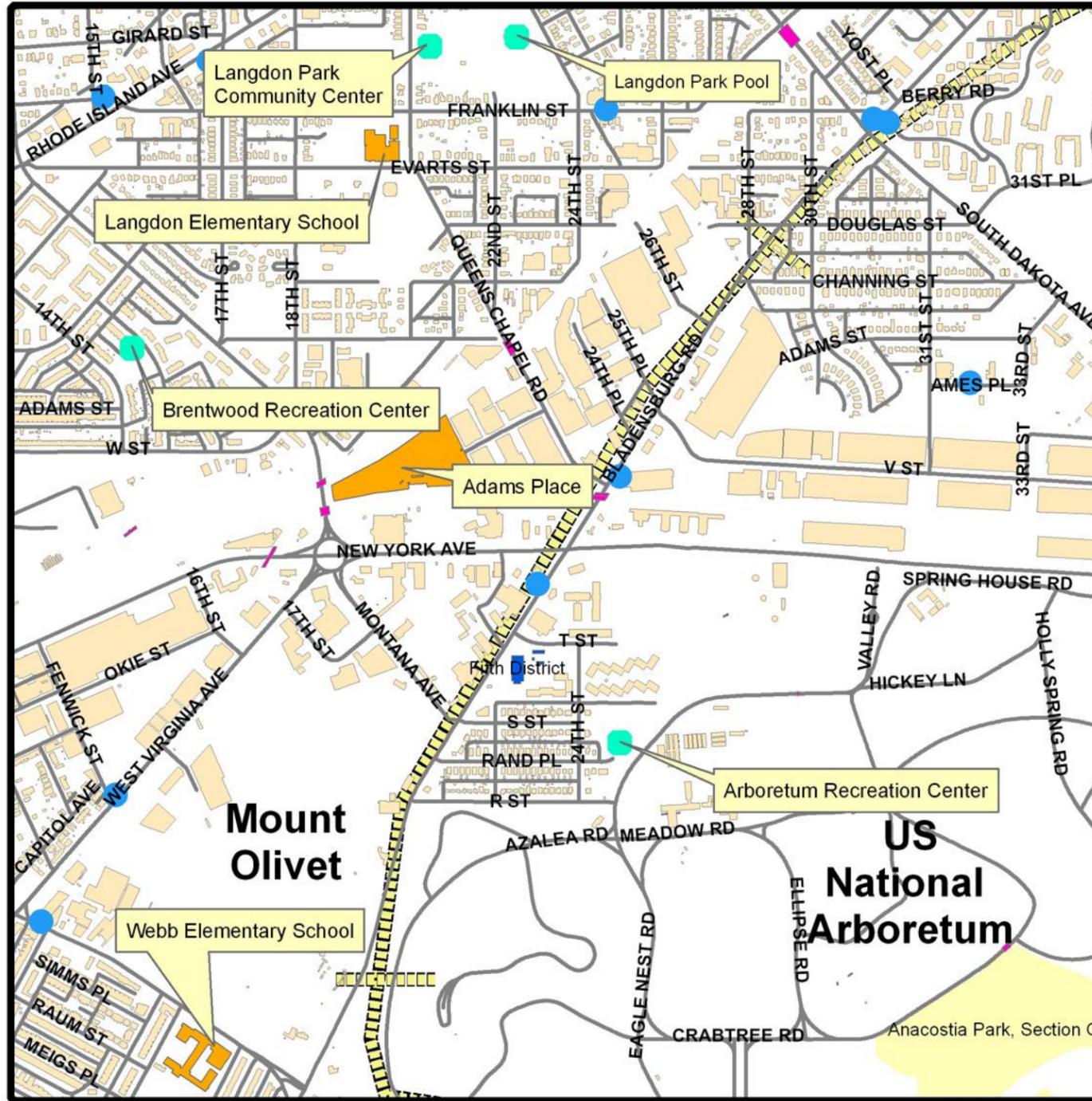
BLADENSBURG GREENWAY NEIGHBORHOOD



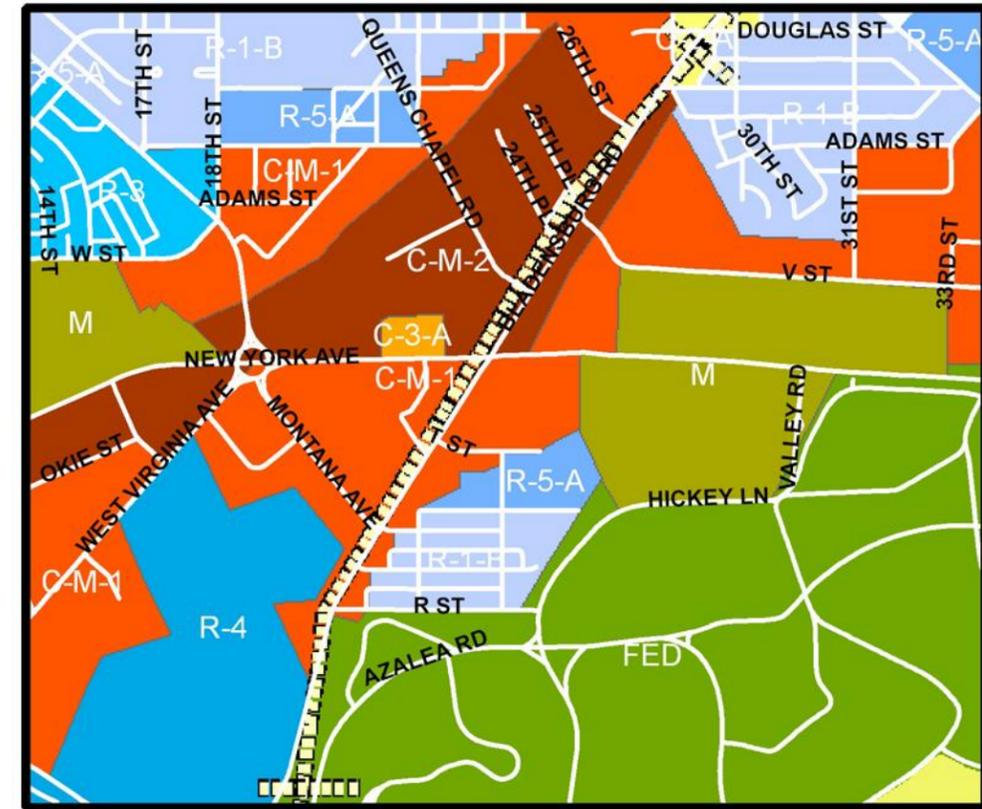
U.S. NATIONAL ARBORETUM WEST ENTRANCE

DESCRIPTION

Woodland cover consists of street trees and the National Arboretum woodland. The largest stand of trees in the area is the National Arboretum. Trail alignment should take the National Arboretum into consideration because this is such an urban area. Hydrology is not an issue in this parcel.



BLADENSBURG GREENWAY NEIGHBORHOOD



DESCRIPTION

This parcel is very urban which includes residential, federal, and commercial zoning.

The proposed trail alignment lies on Bladensburg Road which causes a big constraint when trying to cross New York Avenue.

The real opportunities are the three schools that are within a half mile of the green trail.

FORT CIRCLE PARKS GREENWAY
WASHINGTON, D.C.



1. View of Bladensburg Road North



2. CSX Railroad over Bladensburg Road



3. Intersection of Bladensburg Road & U.S. Rt. 50



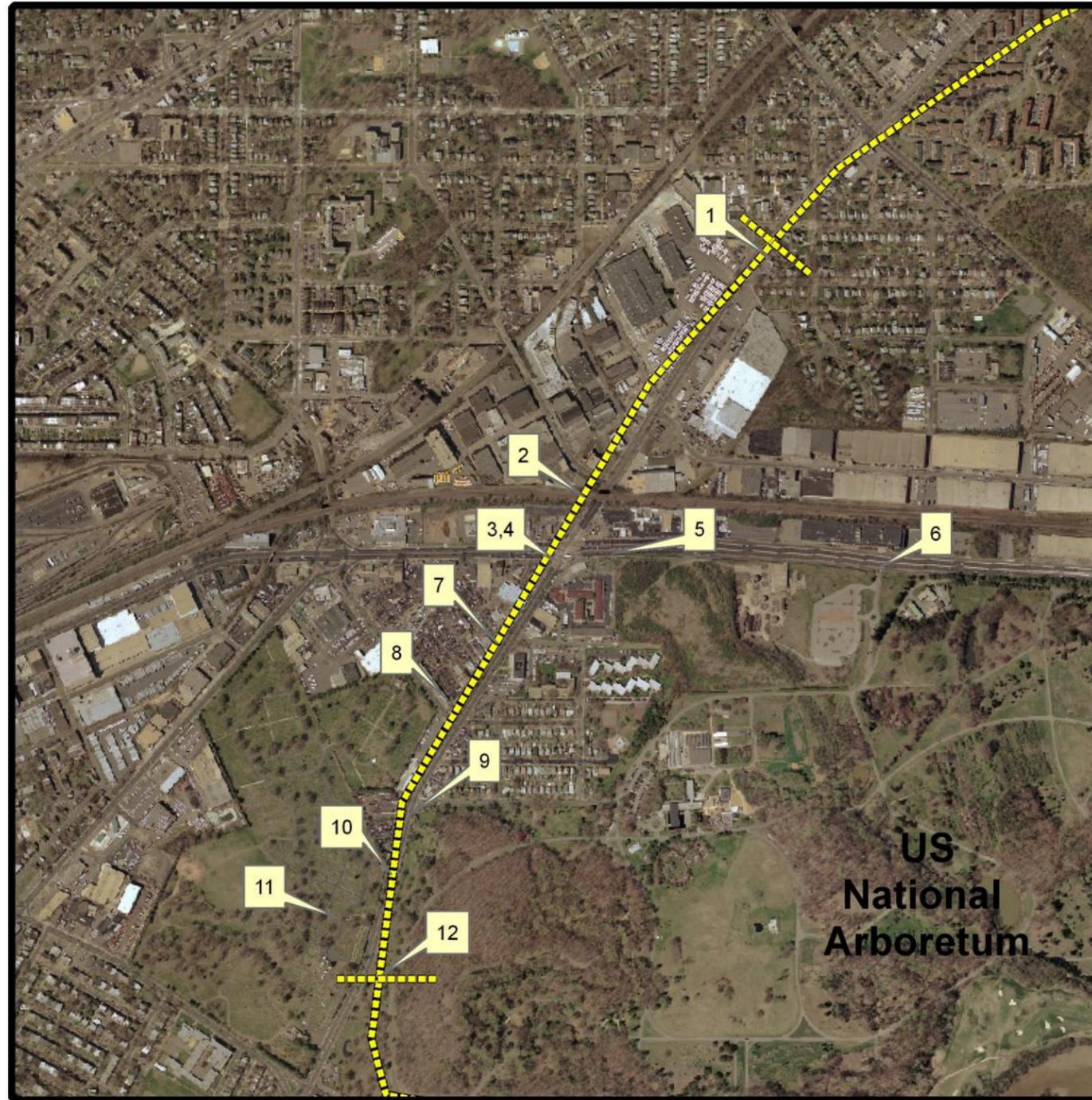
4. Intersection of Bladensburg Road & U.S. Rt. 50



5. Intersection of Bladensburg Road & U.S. Rt. 50



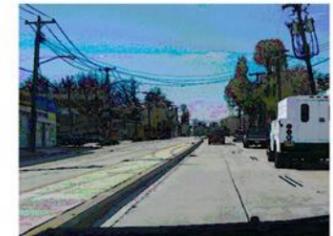
6. U.S. National Arboretum, North entrance



LOCATION OF PHOTOGRAPHS

0 0.125 0.25 0.5 Miles

1 inch equals 1,000 feet



7. View heading south on Bladensburg



8. T.J.'s Auto Body, Bladensburg Road



9. View looking into U.S. National Arboretum



10. National Arboretum

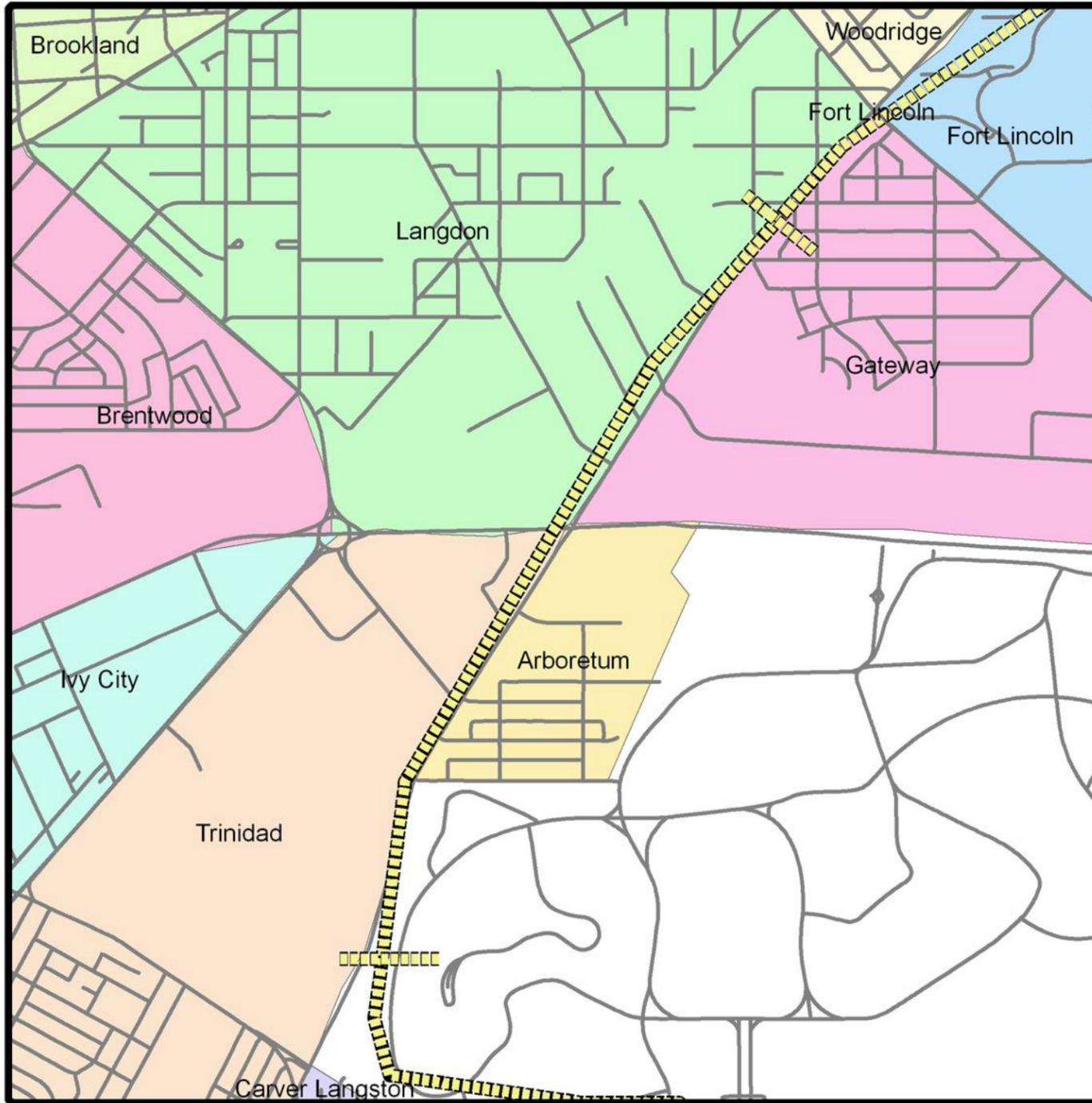


11. View into entrance of Mount Olivet Cemetary



12. View of Bladensburg Road





NEIGHBORHOODS



1 inch equals 1000 feet

PROGRAMMING

BLADENSBURG GREENWAY NEIGHBORHOOD

DESCRIPTION

The neighborhood consists of 30% children under the age of 18. There are three schools in this neighborhood alone, so a big focus will be put on children. The trail is located through 6 different neighborhoods and crosses one of the largest arteries the city has.

USER NARRATIVES

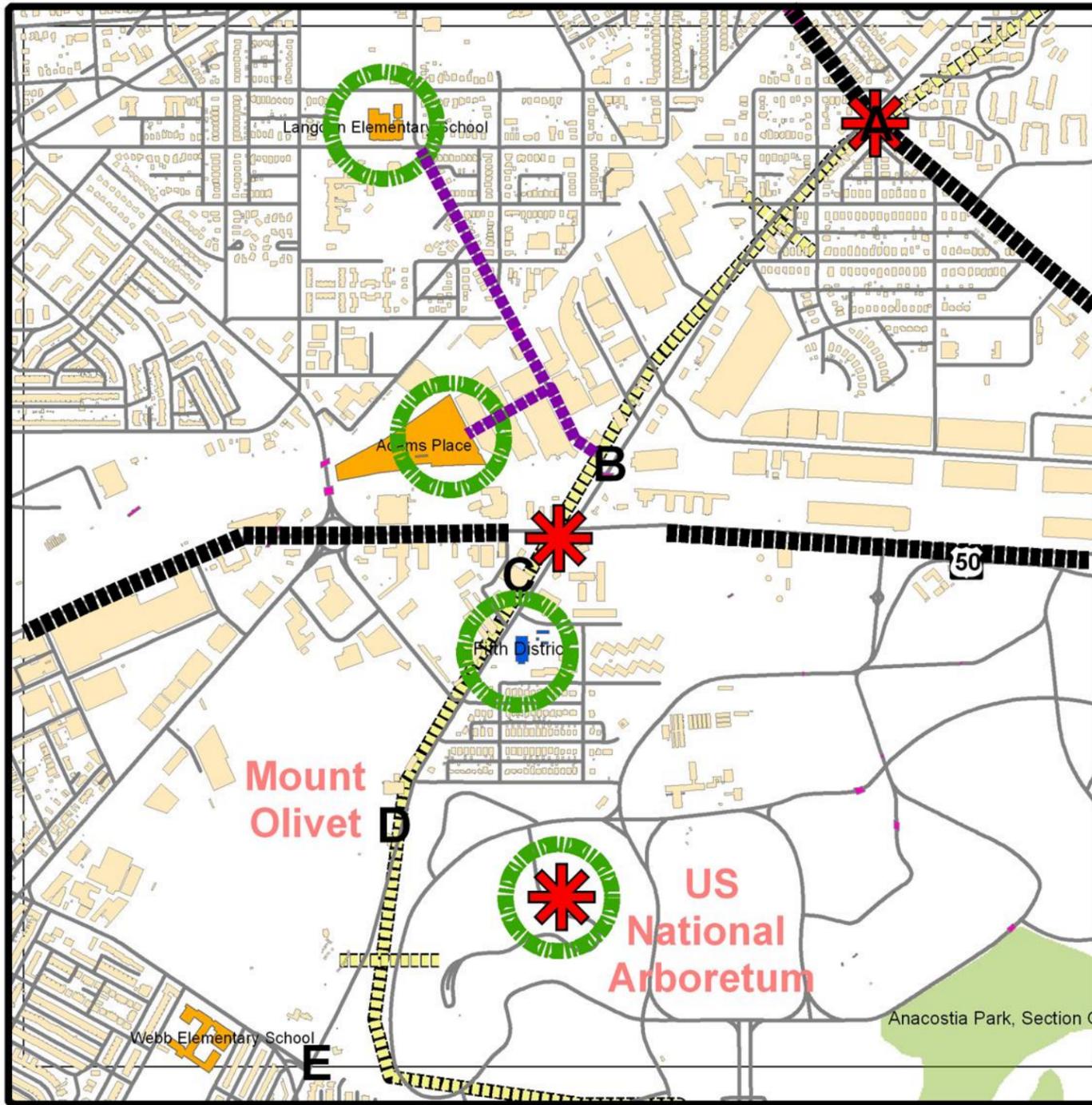
DOG WALKERS

We are very happy to finally have a place to walk both of our dogs. Our yard basically does not exist because the dogs are pinned up there, but now we can just stroll over to the Fort Circle Parks Trail and let our dogs exercise. Just yesterday while we were on the cut-through trail in the National Arboretum we saw 10 other dog walkers enjoying the great outdoors and away from all of the industry that is happening very close to our neighborhood. The trail monument at the intersection of Bladensburg Road and U.S. Rt. 50, is an amazing place for people and their dogs to get out and use the restrooms on their journey from Annapolis to the city. I loved reading all about the history of the trail and how long it actually is and where it goes through the city. Anyway, we love the new trail and so do our dogs.

TRAVELERS

Hi, I am a retiree of the U.S. Army and I live in Annapolis. As I was traveling from Annapolis to Washington D.C. I couldn't help but notice the amazing monument into the city as we crossed Bladensburg Road. My wife and I decided that it was a good place to stop, use the restroom and grab a quick bite to eat at McDonald's. In the meantime we strolled over to the information center for the Fort Circle Greenway Trail and got to learn all about this very interesting past time from the Civil War. I have lived in the area my whole life and I had no idea that the forts existed, even though my Great Grandfather was in the civil war. Though my wife, only 65 years old, had to push my wheel chair, we walked the whole trail just to bring back some memories of my Great Grandfather and some of his old stories. Thank you so much for putting that large monument in at the intersection of Route 50 and Bladensburg Road, otherwise I would have not even known the forts were there.

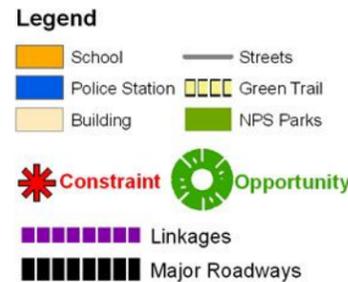




OPPORTUNITIES AND CONSTRAINTS



1 inch equals 1000 feet



A Constraint

Crossing South Dakota Avenue is a major constraint. By using a "big idea" we can start to see the importance of a pedestrian tunnel or bridge.

B Opportunity

Langdon Elementary School is an opportunity to attract attention from a lot of kids. It is a short walk for the children to get from the school to the greenway trail and ultimately into the National Arboretum.

Opportunity

This is a great linkage from Adams Place School to the greenway trail. By making the greenway safe for children, it could be a great opportunity for the children to take a field trip to the National Arboretum.

C Opportunity

The Fifth District police station offers a bit of security and protection to the Fort Circle Greenway Trail.

Constraint

The Greenway Trail is dissected by one of the major arteries into the city, U.S. Route 50. This is a major constraint and will have to be reviewed intensely in the design process.

D Opportunity

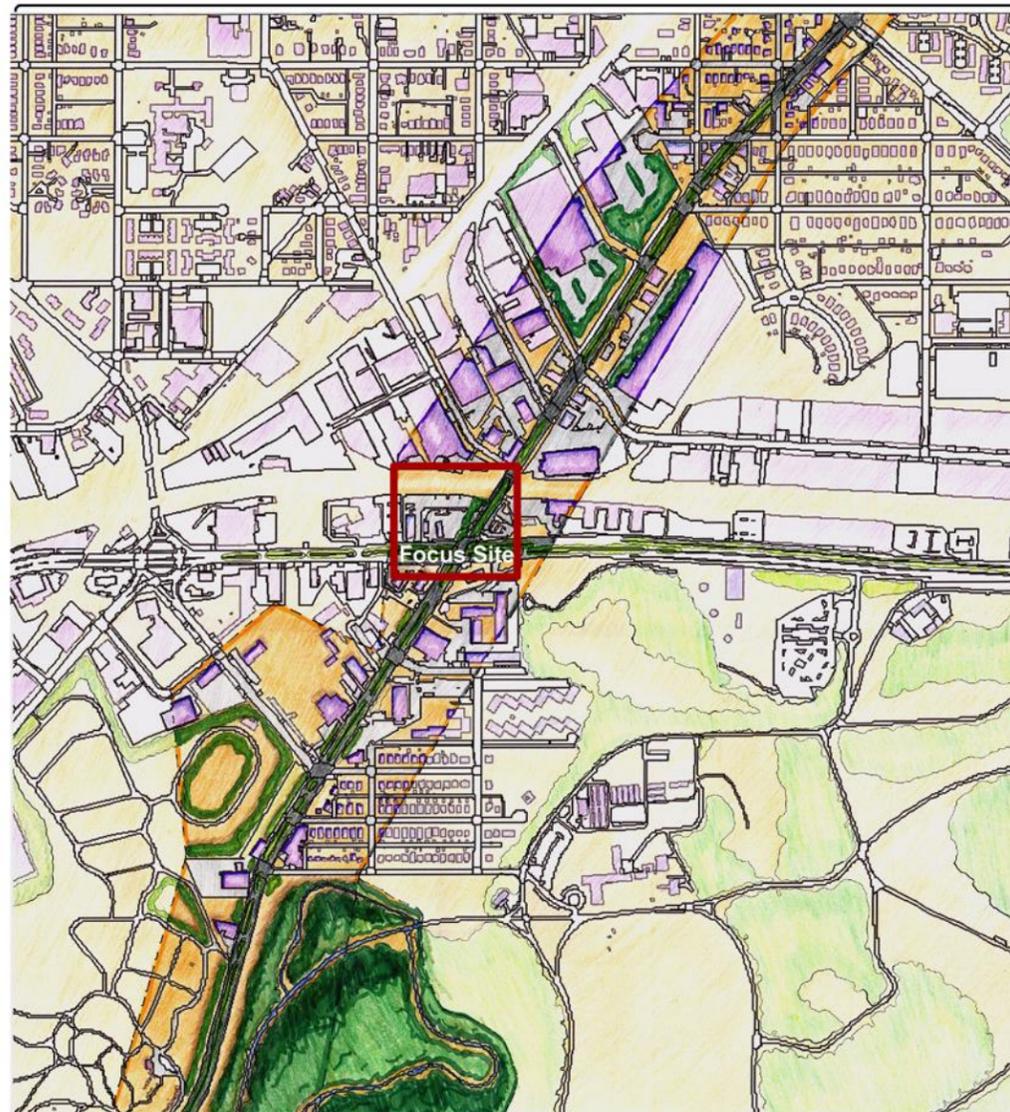
The U.S. National Arboretum is the major opportunity in this parcel. If there were some way to incorporate the Arboretum into the Greenway Trail it would benefit this section of the park.

Constraint

The National Arboretum can also be a constraint because it will be hard to convince them to direct the trail through it. We will need some major influences to get them to even blink at the idea.

E Opportunity

Webb Elementary School has an easy link to the trail and into the National Arboretum. The influence of three schools into the trail could be a big factor when trying to persuade the National Arboretum to have the trail run through it.



Master Plan

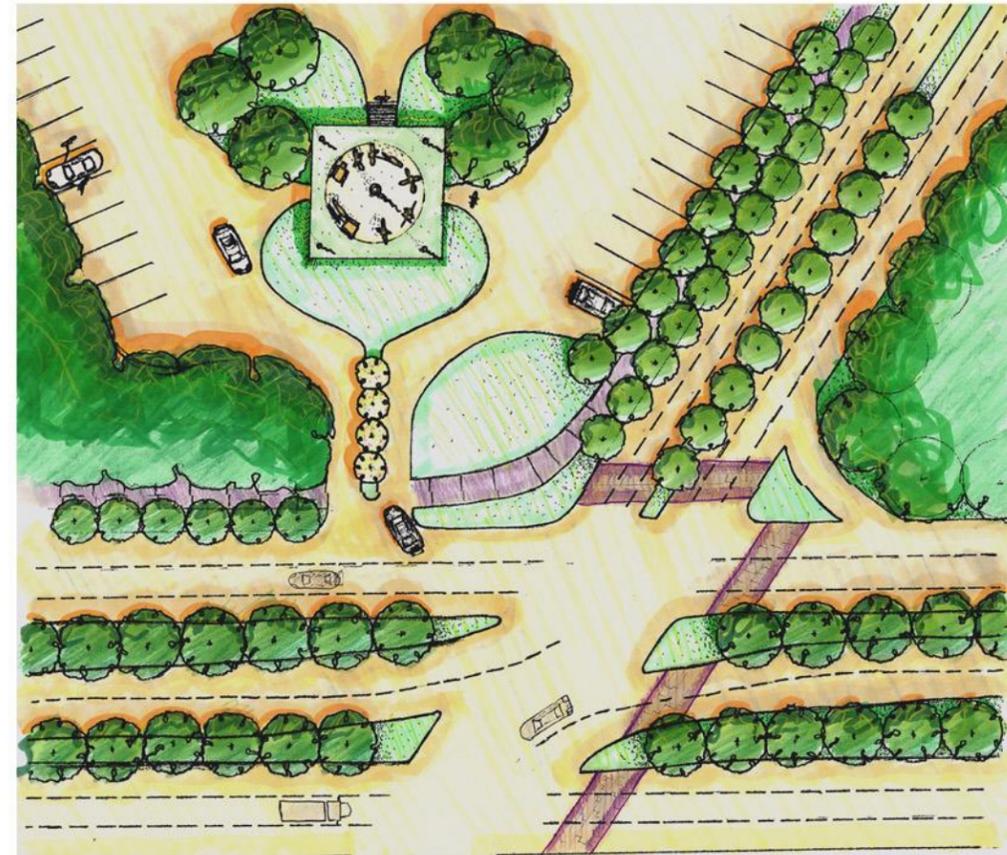
1 inch equals 500 feet



Perspective of Fort Circle Parks Greenway Information Center and Monuments

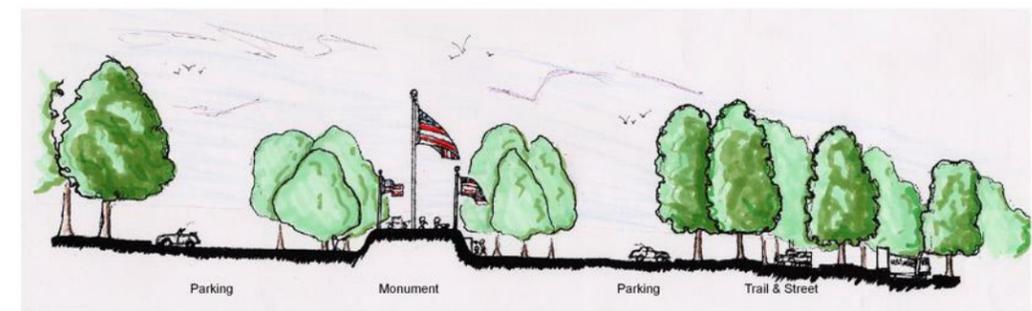


Perspective of Fort Circle Parks Greenway North of Route 50 on Bladensburg Road

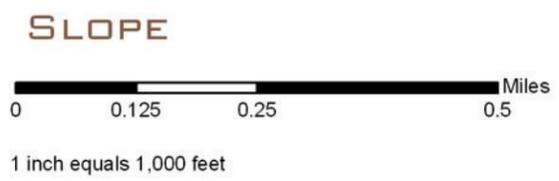
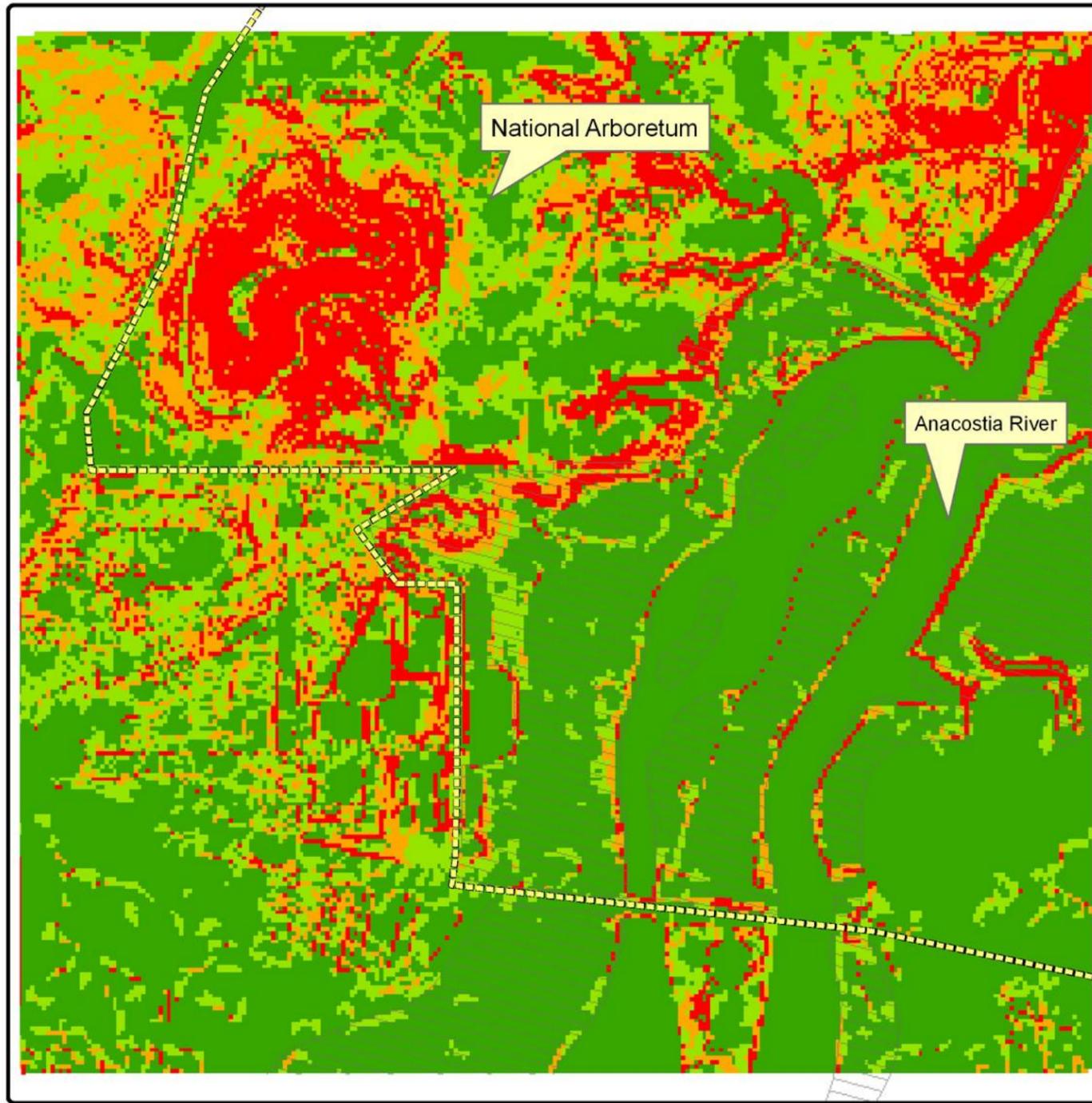


FOCUS AREA PLAN

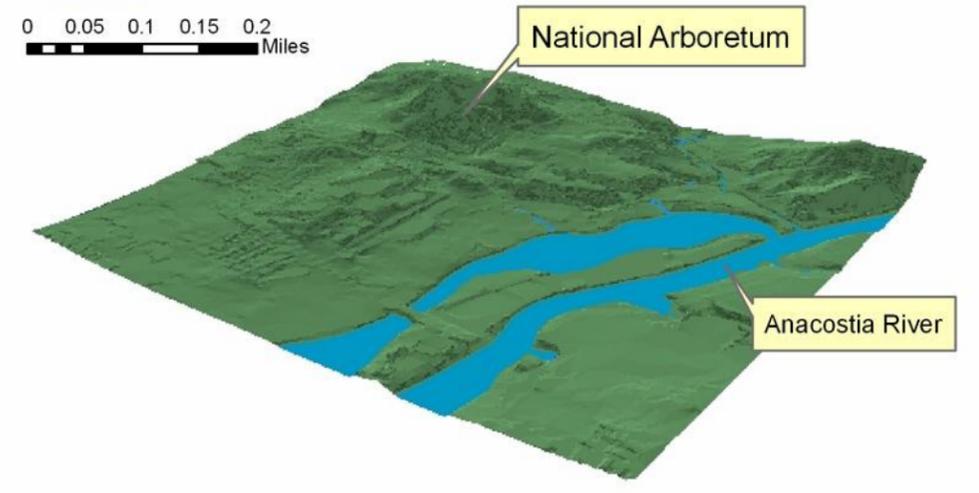
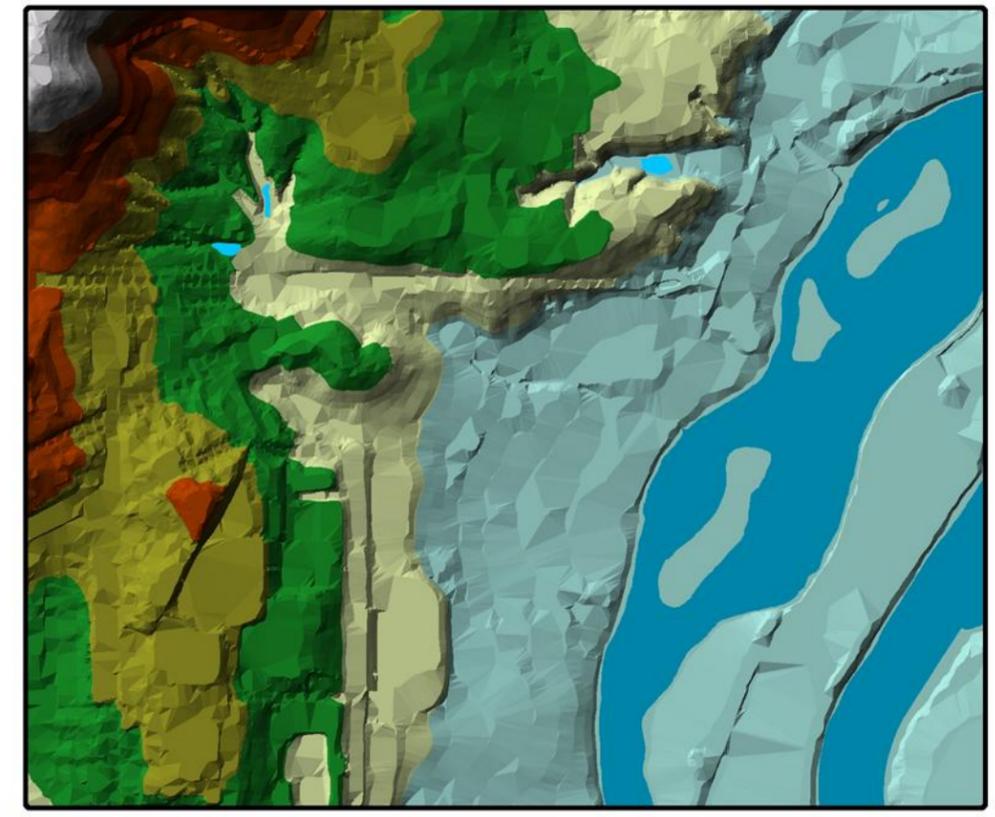
Scale: 1 inch equals 30 feet



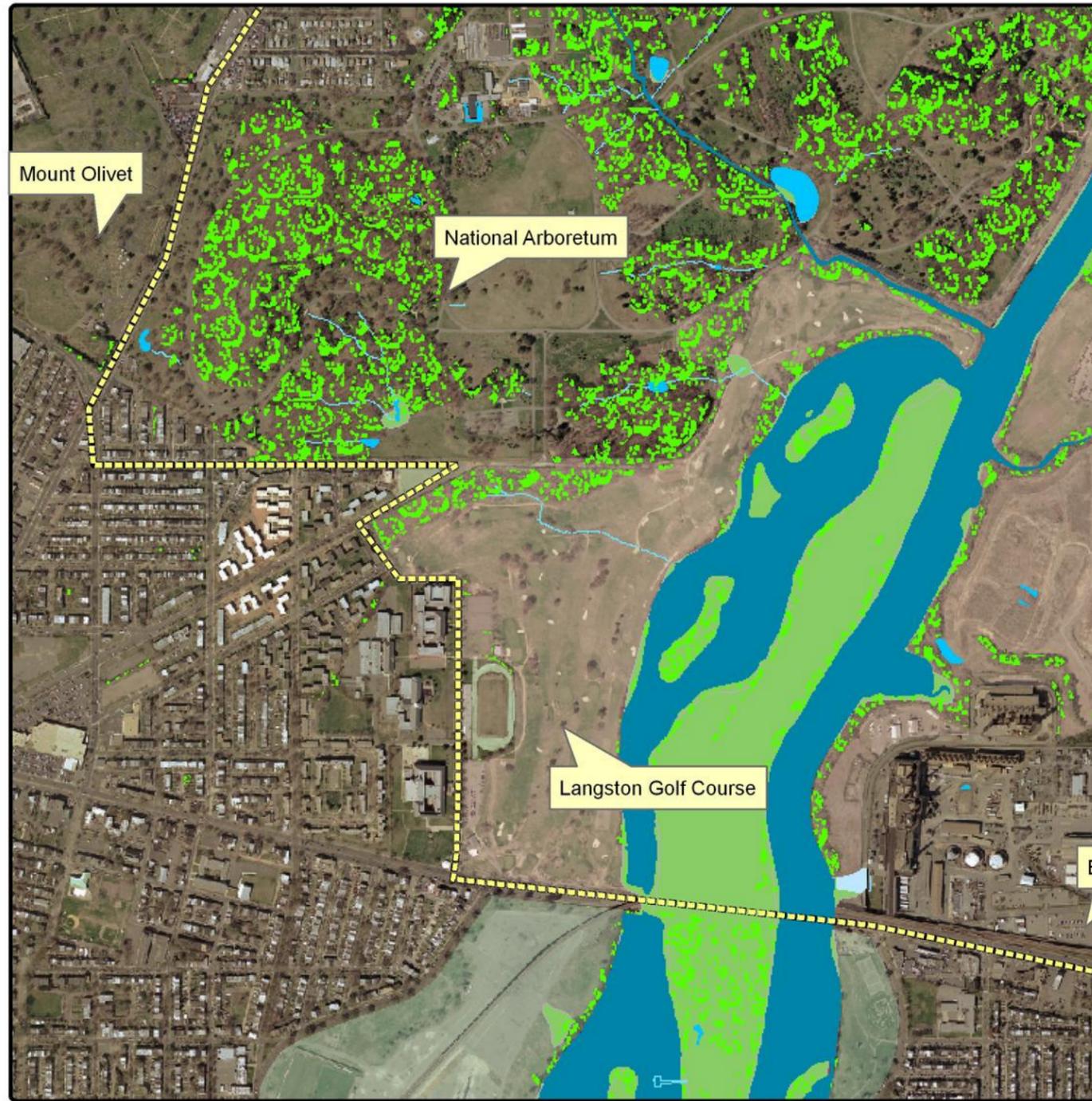
Section of the Fort Circle Park's Monument and new streetscape



- Legend**
- NPS Parks
 - 0-8% Gentle
 - 8-15% Moderate
 - 15-25% Steep
 - 25% > Very steep
 - Proposed_trail_alignment



The proposed greenway trail goes around the National Arboretum's high ground and steep slopes. The trail follows the road's slope which is only of moderate steepness and is the best way to get around.



WATER, WETLANDS, AND WOODLANDS

0 0.125 0.25 0.5 Miles
1 inch equals 1,000 feet

- Woodland
- Lake
- Water**
- Pond
- River
- Wetlands
- Proposed_trail_alignment
- Canal

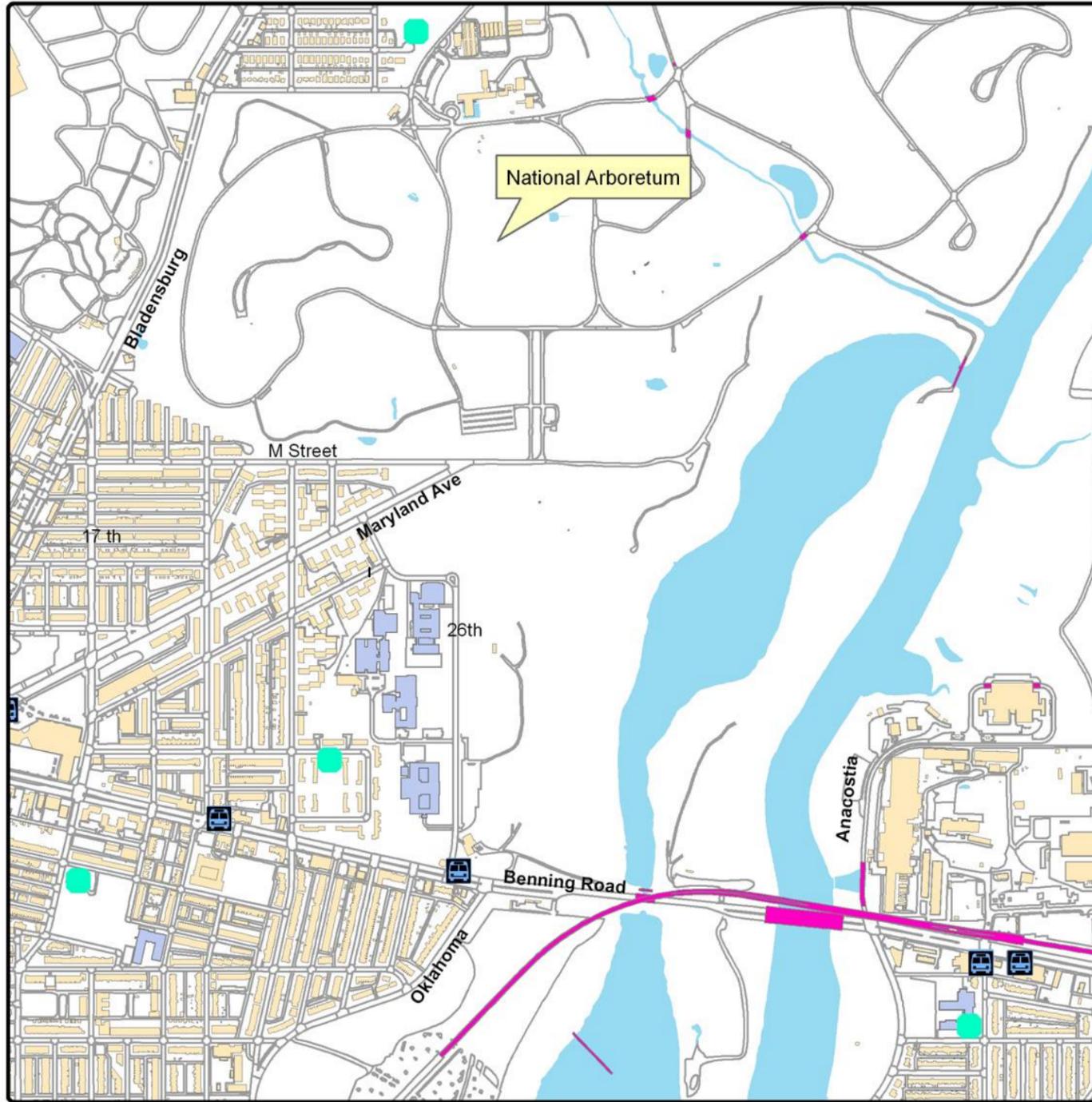


ANACOSTIA FLOODPLAIN

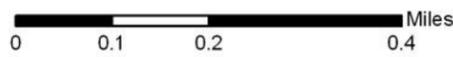
0 0.1 0.2 0.3 0.4 Miles

DESCRIPTION

The Fort Circle Greenway trail passes through the edge of the National Arboretum and continues south towards the Langston Golf Course. One important fact about this area is that the golf course sits on the floodplain of the Anacostia River.

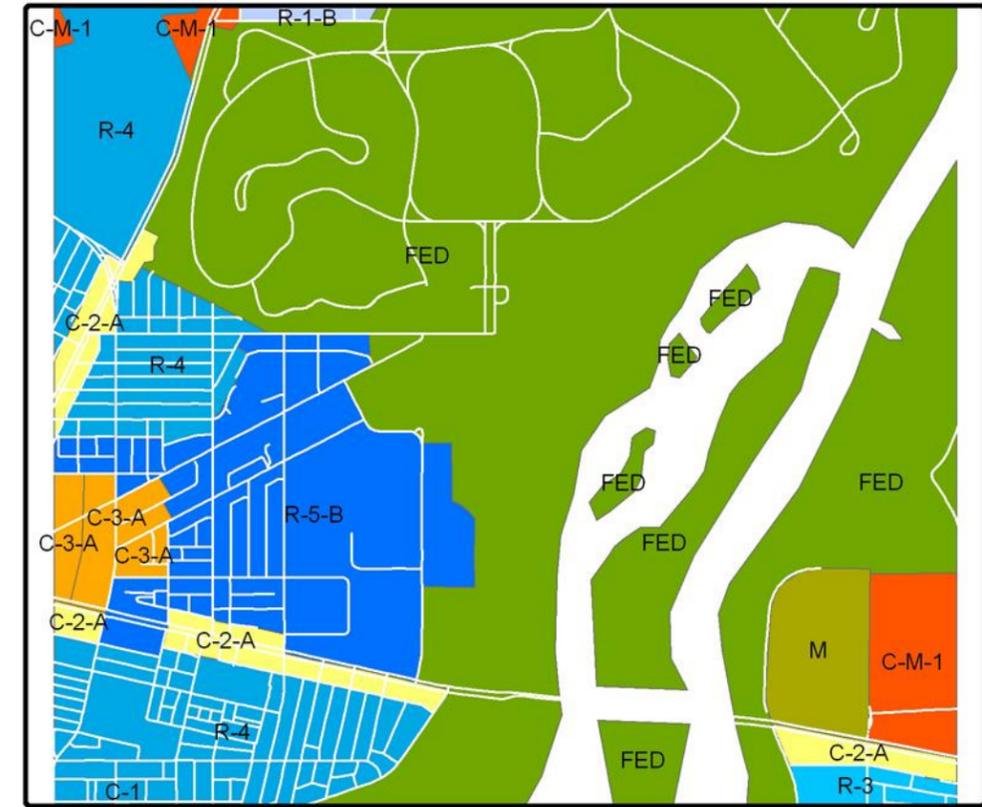


BUILDINGS, SCHOOLS, AND SIGNIFICANT CULTURAL FEATURES

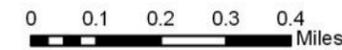


1 inch equals 1,000 feet

- | | | |
|-------------------------|-----------------|---------------|
| Public Transportation | Building | Hospitals |
| Recreational Facilities | Bridges | Metro Station |
| Schools | Police Stations | Universities |
| Fire Stations | water polygon | road polygon |



ZONING



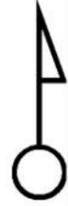
- | | |
|-------|-------|
| C-1 | R-1-B |
| C-2-A | R-3 |
| C-3-A | R-4 |
| C-M-1 | R-5-B |
| FED | |
| M | |

DESCRIPTION

The area contains the National Arboretum, Langston Golf Course, and the Anacostia River. There are four schools located within 500 feet of the Green Trail. There are two high schools, one middle school, and one elementary school in the community. The only current method for crossing the Anacostia River is Benning Road. Benning Road is also the only street that has a Metro Bus service in the community.

FORT CIRCLE PARKS
WASHINGTON, D.C. GREENWAY





1. Mount Olivet Cemetery



2. Residential Townhouse Streetscape on M street



3. Unused Green area at M street and Maryland Ave



4. Green Area which is the future site of the Civil War Memorial



5. The front 9 of historic Langston Golf Course



6. Four Basketball Courts owned by the two high schools.



7. Track and Field belonging to the high schools



LOCATION OF PHOTOGRAPHS

1 inch equals 1,000 feet

Aerial view provided by <http://planning.dc.gov>

CARVER LANGSTON GREENWAY NEIGHBORHOOD



8. Busy Intersection of 26th and Benning Rd. The intersection does have traffic lights and crosswalks.



9. Streetscape of Benning Rd. To the left is the unused parking lot of RFK stadium.



10. Looking eastwards to Anacostia River and Kingman Island. Unused parking lots for RFK stadium.



11. View of Benning Road towards historic Langston Golf Course



12. View of historic Langston Driving Range



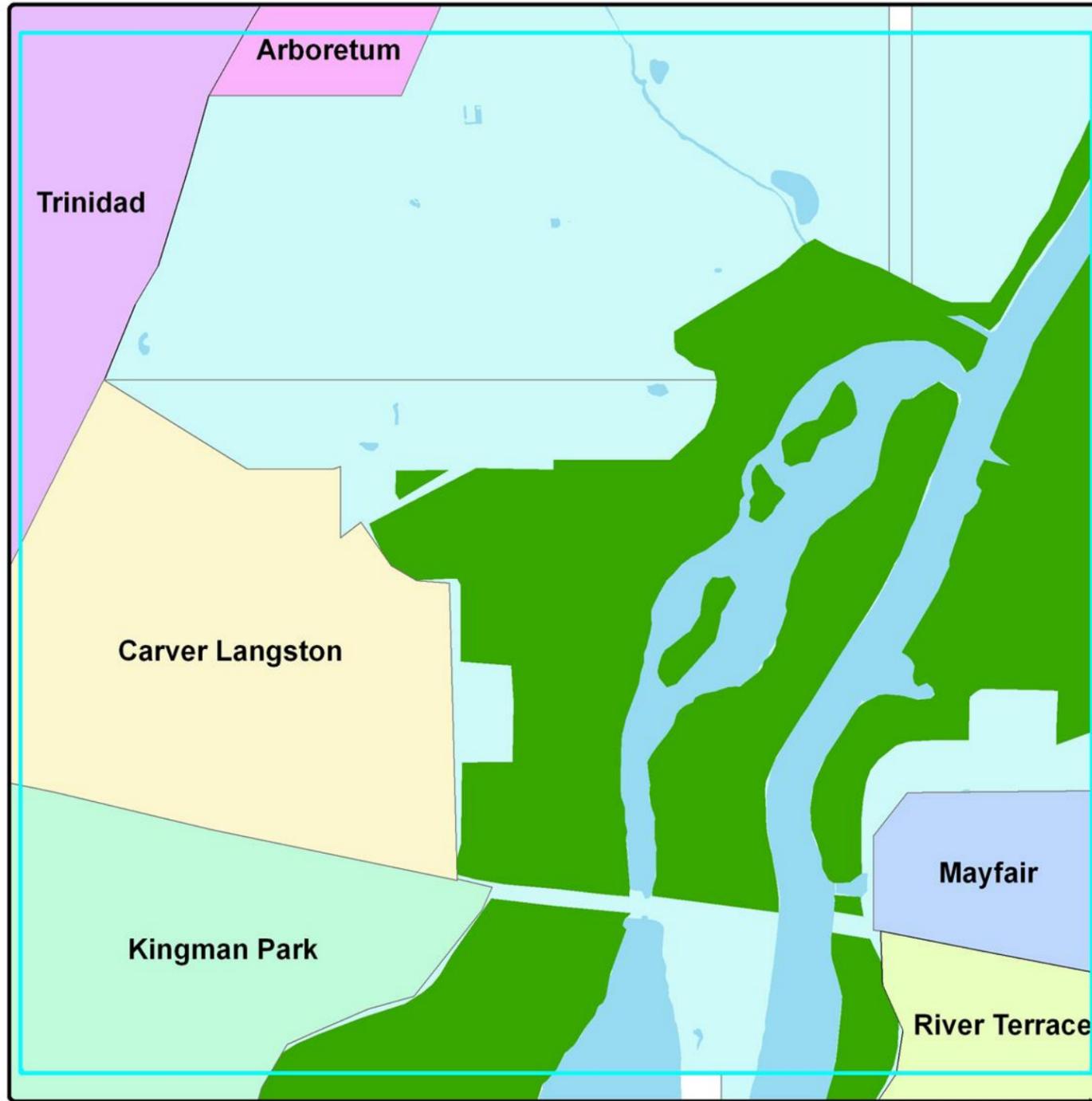
13. View of the support structure for a Metro Track. In the background is the driving range.



14. View of Benning Rd. Bridge from Anacostia Rd.

FORT CIRCLE PARKS GREENWAY

WASHINGTON, D.C.



NEIGHBORHOODS



1 inch equals 1,000 feet

PROGRAMMING

CARVER LANGSTON GREENWAY NEIGHBORHOOD

DESCRIPTION

The trail is surrounded by apartments, townhomes, and single family detached houses. There are two high schools, one middle school, and one elementary school. The demographics of the children under the age of 18 goes as follows: Trinidad, Carver Langston, and Kingman Park neighborhoods have 22% to 31%, Mayfair neighborhood has 31% to 48%, and River Terrace community has 15%-22%.

USER NARRATIVES

CIVIL WAR ENTHUSIASTS

I am an 88 year old Civil War enthusiast. My great grandfather was in the War and I am a reenactor. I love to learn about unknown battles of the War between the States. I like to visit Fort Stevens which is the location of the only time the sitting United States president was under direct enemy fire. During my visit I walk and examine the remaining earthworks. Many times I tend to sit down and picture what is was like to be in the battle. After spending a few minutes at the fort, I walk to the next fort on the trail.

ROLLERBLADERS

I am a 28 year old rollerblader traveling fast through the Fort Circle Greenway. It is a pretty day, the sun is shining and the leaves are in full bloom. I enter the alternative pathway through the National Arboretum and I spot a beautiful tree out of the corner of my eye. I ask the staff member working in the area about the tree. He tells me a great deal of information about the tree. That afternoon I go to my local nursery and purchase a small version of the beautiful tree. Then I return home and plant the tree in my backyard.

PICNICKERS

My family and I wanted to go on a picnic in the local area, so we decided to go the Fort Circle Greenway where there are several pocket parks. The local pocket park in my area is named "The African-American Civil War Memorial Park". I enjoy this park because of the great lawn in which my family and I can have a quiet family picnic and because I can teach my children about the sacrifices that their great grandparents made to maintain the United States of America.

FORT CIRCLE PARKS GREENWAY

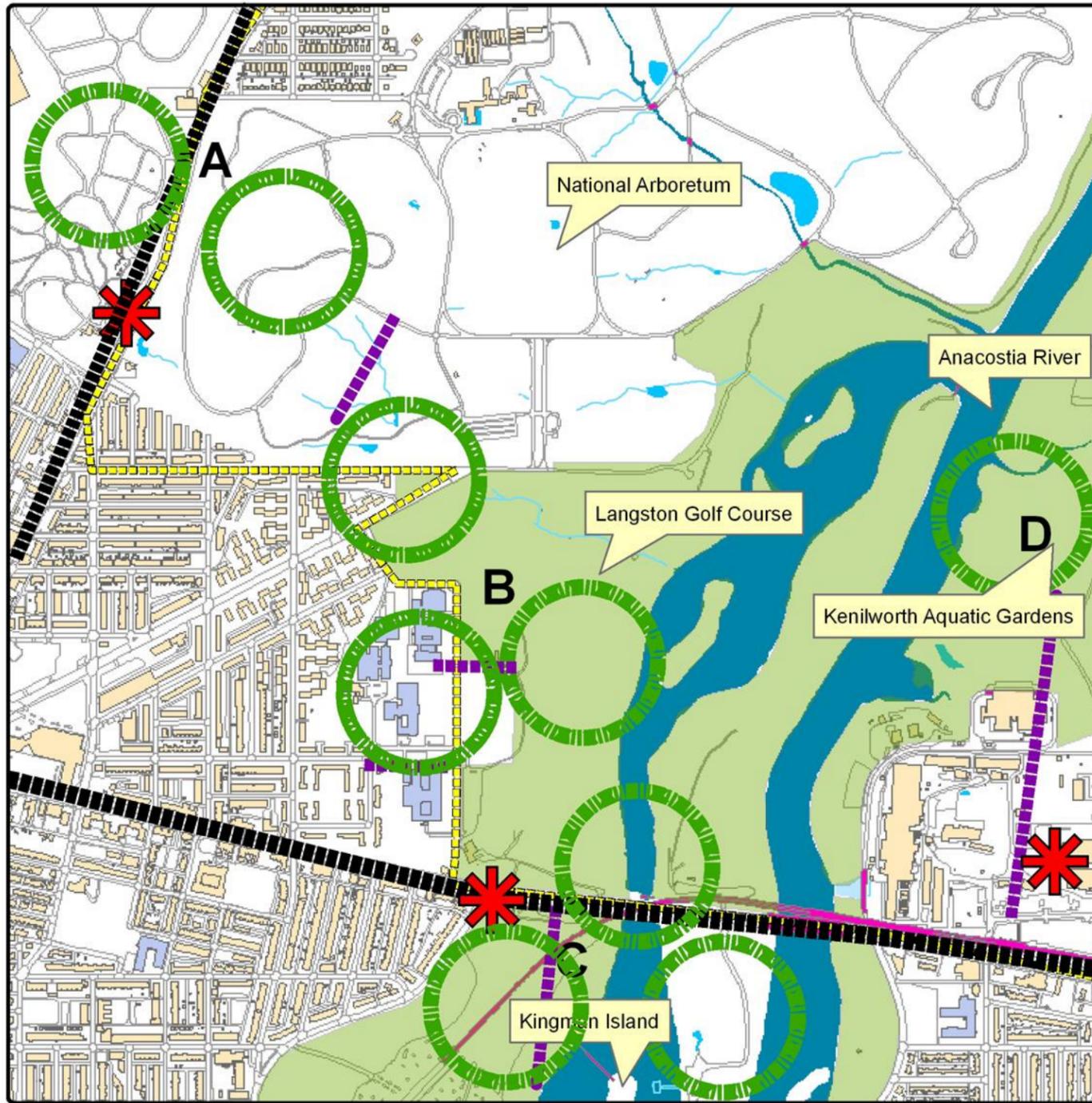
WASHINGTON, D.C.



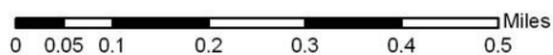
REGIONAL DESIGN STUDIO • UNIVERSITY OF MARYLAND
LANDSCAPE ARCHITECTURE PROGRAM
CHRISTOPHER LONG

11-5

SPRING
2005



OPPORTUNITIES AND CONSTRAINTS



1 inch equals 1,000 feet



A OPPORTUNITY

The proposed greenway trail is located next to the National Arboretum in which the trail may have an alternative path through the Arboretum.

The alternative path through the Arboretum provides an educational opportunity to the general public.

Possible historic opportunities and linkages to Mount Olivet cemetery.

CONSTRAINT

To the southwest of the National Arboretum is a community that is lacking appropriate security measures.

Bladensburg Road is a heavily traveled road.

B OPPORTUNITY

One of the opportunities in the area is a large triangular green space located at the intersection of M Street and Maryland Ave.

Another opportunity is a linkage to the four public schools. This close proximity to the trail can be an educational opportunity.

The other opportunity in this area is the historic African American Langston Golf Course.

C OPPORTUNITY

One opportunity is the connection to the newly designed Kingman Island Nature Center on Kingman Island.

Another is the newly redeveloped wetlands between Kingman Island and the Westside of the Anacostia River.

The other opportunity is to use the massive parking lot of RFK stadium for the Fort Circle Greenway Trail.

CONSTRAINT

A constraint is Benning Road. Benning Road is a busy four lane road; however, at the intersections there are traffic lights and crosswalks.

D OPPORTUNITY

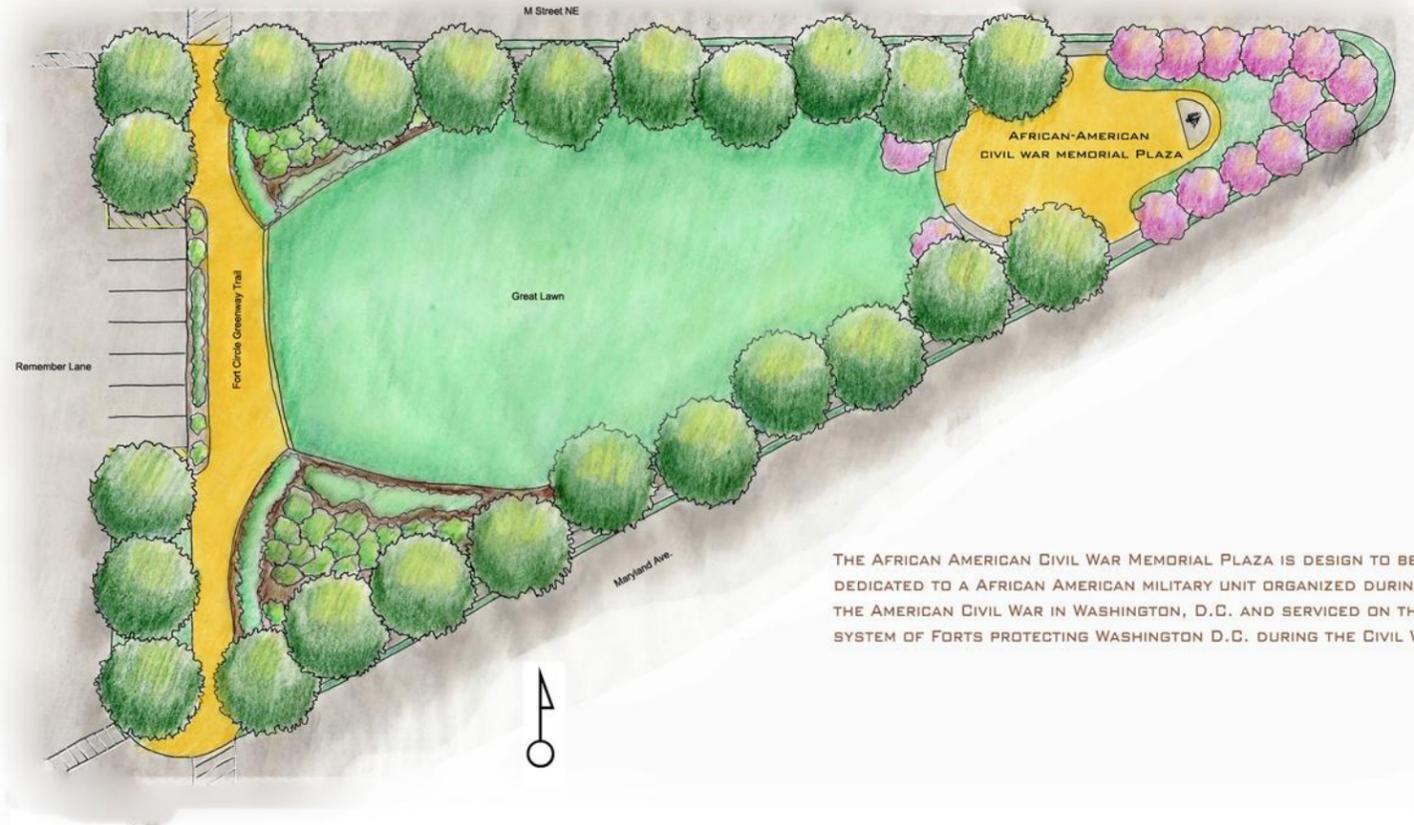
There is an opportunity to have some kind of linkage to Kenilworth Aquatic Gardens to the north.

CARVER LANGSTON GREENWAY TRAIL



THE AFRICAN AMERICAN CIVIL WAR MEMORIAL PLAZA

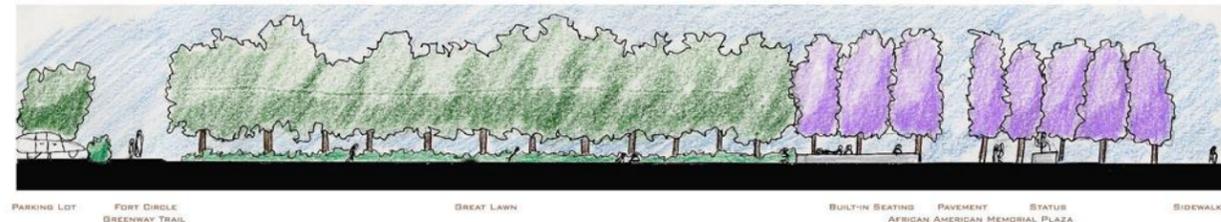
SCALE 1"=30'



THE AFRICAN AMERICAN CIVIL WAR MEMORIAL PLAZA IS DESIGN TO BE DEDICATED TO A AFRICAN AMERICAN MILITARY UNIT ORGANIZED DURING THE AMERICAN CIVIL WAR IN WASHINGTON, D.C. AND SERVICED ON THE SYSTEM OF FORTS PROTECTING WASHINGTON D.C. DURING THE CIVIL WAR.

DESIGN SOLUTIONS

SECTION OF AFRICAN AMERICAN CIVIL WAR MEMORIAL PLAZA



PERSPECTIVES OF AFRICAN AMERICAN CIVIL WAR MEMORIAL PLAZA



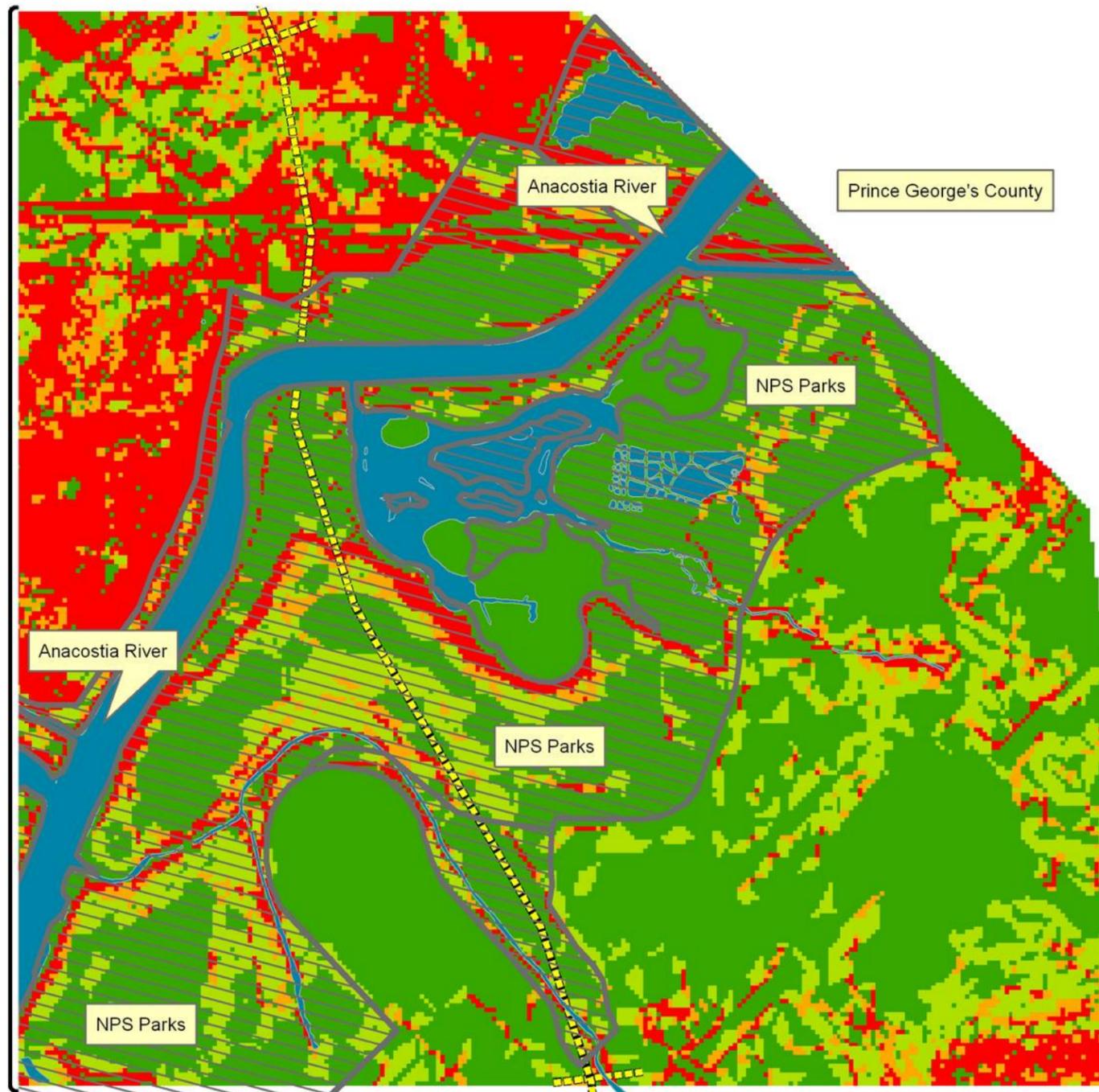
VIEW OF GREAT LAWN TO AFRICAN AMERICAN CIVIL WAR MEMORIAL PLAZA



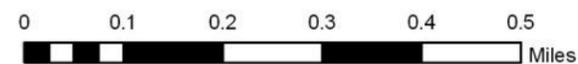
VIEW OF FORT CIRCLE GREENWAY TRAIL AND PARK AREA



THE AFRICAN AMERICAN CIVIL WAR MEMORIAL PLAZA

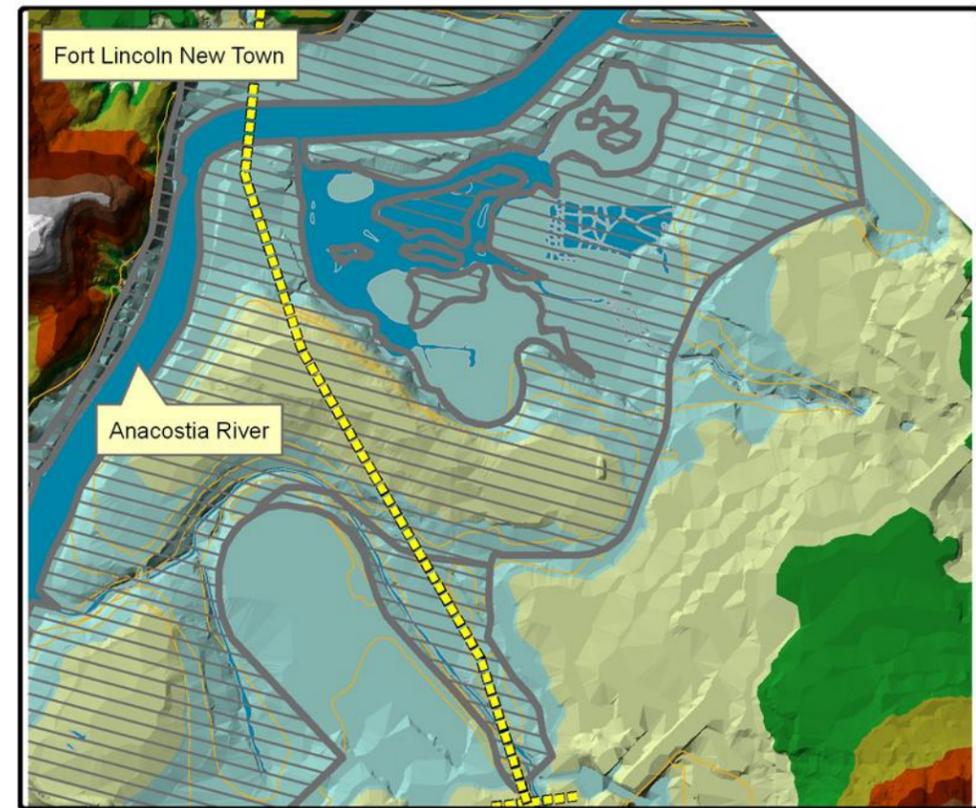


SLOPE



1 INCH = 1,000 FEET

- Trail
- Water
- NPS Parks
- 0-8% Gentle
- 8-15% Moderate
- 15-25% Steep
- > 25% Very Steep



RELIEF

1 INCH = 500 FEET

- Trail
- Water
- NPS Parks
- Floodplain

DESCRIPTION

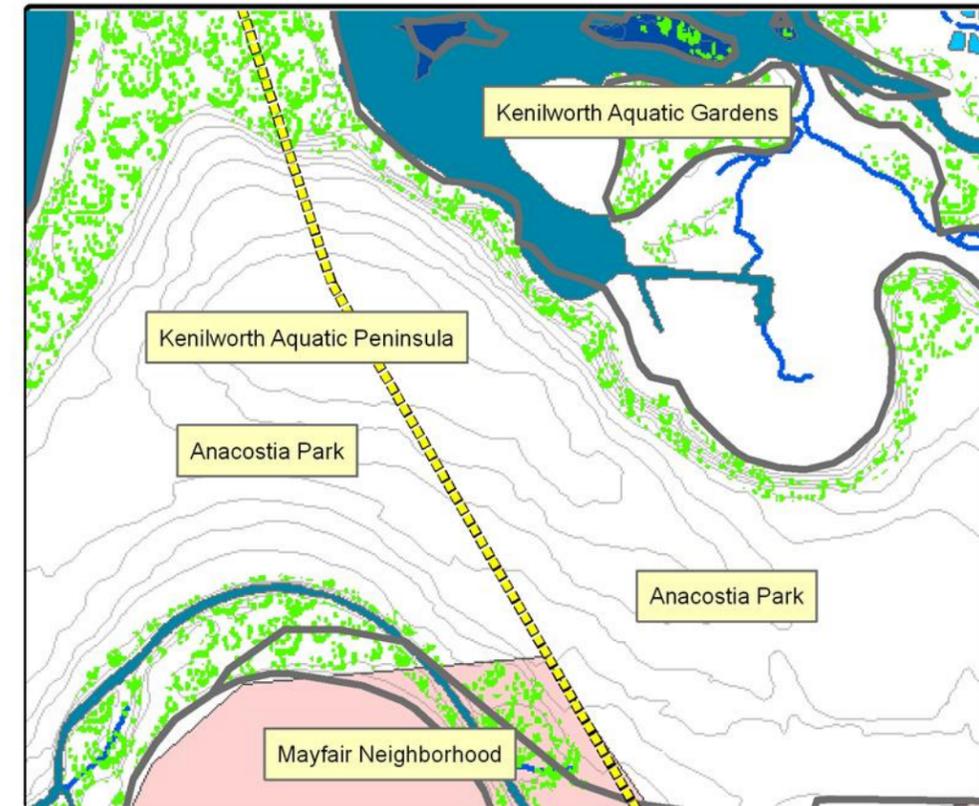
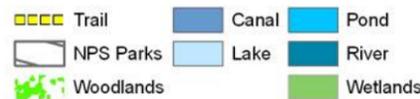
The slope map displays approximately one square mile. For this area, the topography is relatively flat where the NPS Parks boundaries are, especially where the Kenilworth Aquatic Gardens are located. Up north-west however, where Fort Lincoln New Town lies, steeper slopes exist. Just above the Anacostia River, dramatic changes in slope occur. These dramatic slopes are natural and wooded on the north-west side. Directly north of the Anacostia River is where more development lies and where more steep slopes are found.



WATER, WETLANDS AND WOODLANDS



1 INCH = 1,000 FEET



HYDROLOGY

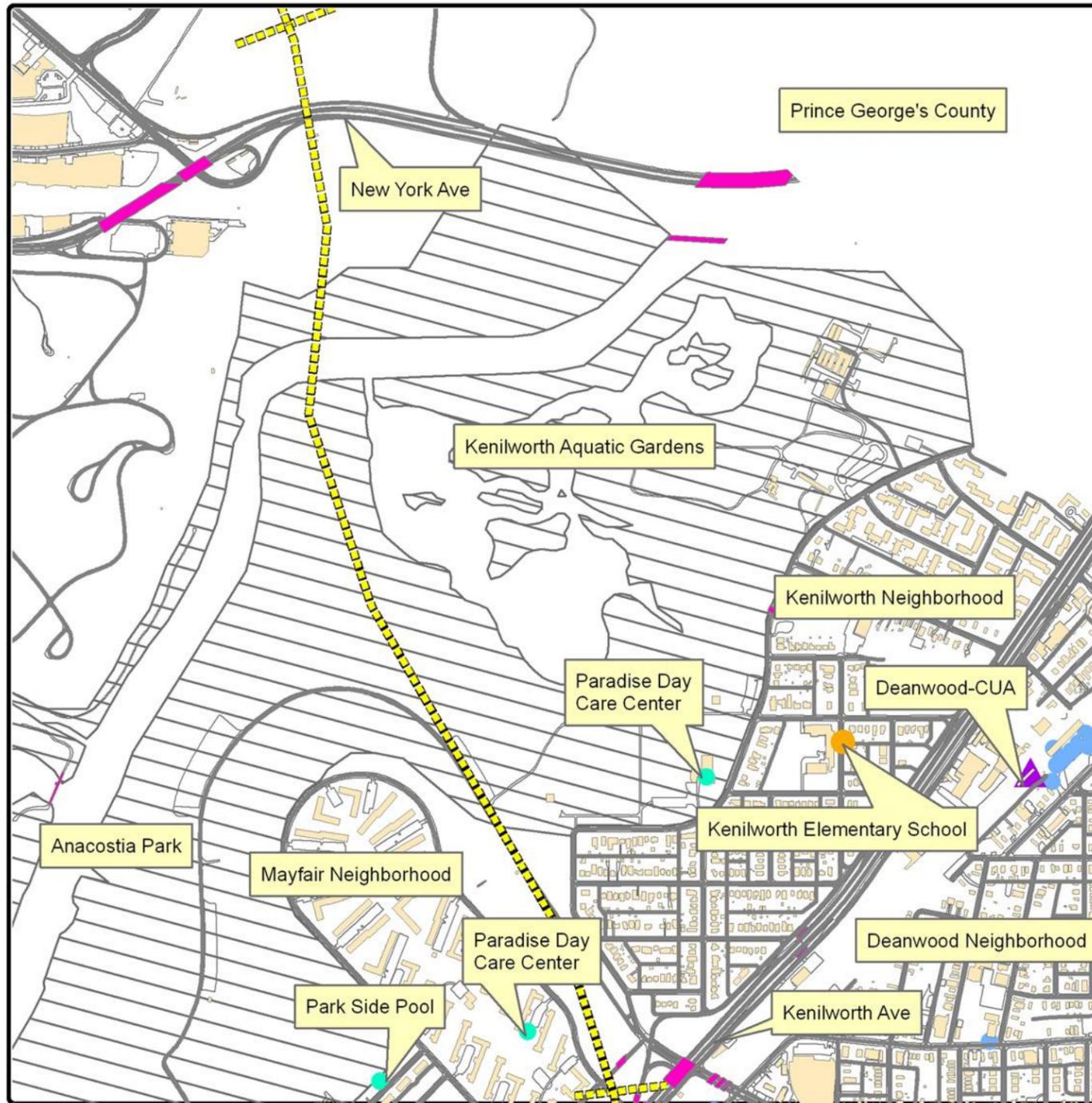
1 INCH = 500 FEET



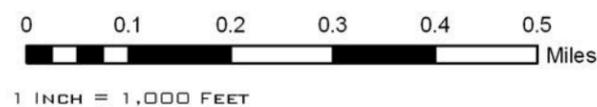
DESCRIPTION

The map shown herein to the left represents the location of existing woodlands, trees, and wetlands. Some of the woodlands overlap on to the National Park Service boundary areas, however, the majority of the woodlands exist outside the territory. In this map, most of the trees lie within the Anacostia Park and the Kenilworth Aquatic Gardens.. The map shown above displays the hydrology of the NPS boundary by the use of topography contours.

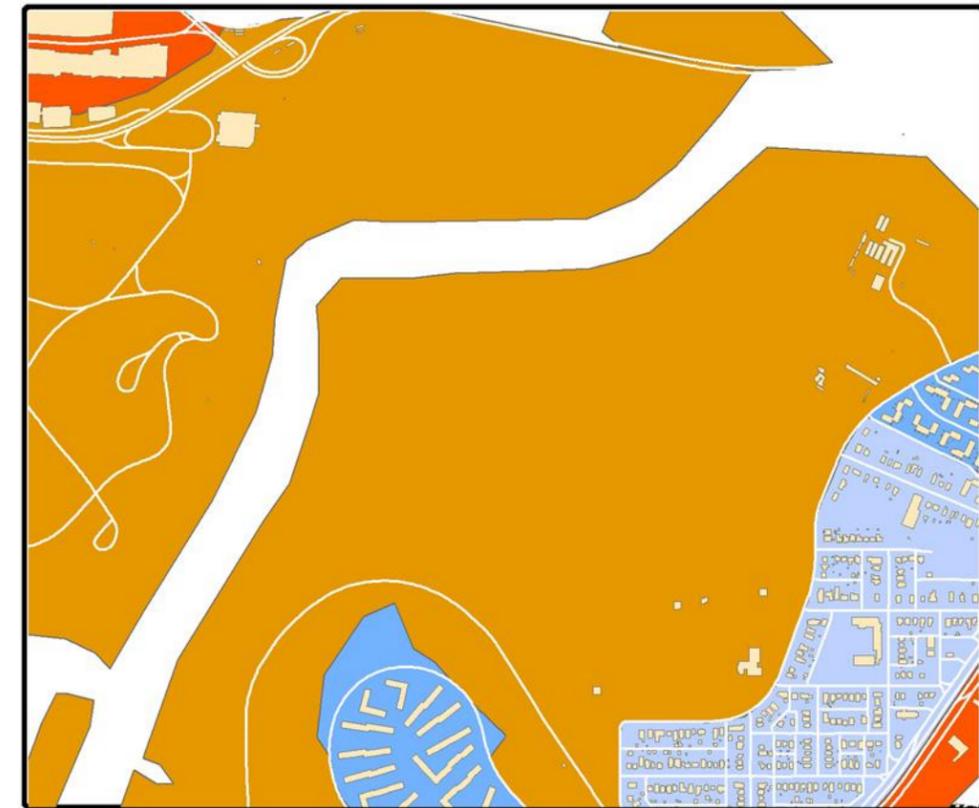




BUILDINGS, STREETS & SIGNIFICANT CULTURAL FEATURES



- Green Trail
- Bridges
- Buildings
- Metro Stations
- Recreational Facilities
- Public Transportation
- School
- Anacostia Park



ZONING

1 INCH = 500 FEET

- C-2-B
- C-M-1
- FED
- R-1-B
- R-5-A
- Buildings

DESCRIPTION

The map shown herein to the left is displaying primarily buildings, streets, and significant cultural features, such as recreation centers and schools. This approximate square mile is primarily owned by the government. The Anacostia Park and the Kenilworth Aquatic Gardens take up most of the area. To the south of the park lies Mayfair neighborhood, south-east lies Deanwood, and east is Kenilworth neighborhood, all of which are residential. There are three recreation centers within this square mile, which includes the Theodore Hagens Cultural Center, Paradise Day Care Center, and the Parkside Pool. The two major roads that run through here are Kenilworth Avenue and New York Avenue.

**FORT CIRCLE PARKS
GREENWAY**

WASHINGTON, D.C.





1. View of marshes



2. View of marshes from bridge



3. View of marshes from bridge



4. View over creek



5. View of marsh



6. View of marsh



LOCATION OF PHOTOGRAPHS

1 Inch = 1,000 Feet



7. View of trail to marshes



8. View of woodlands



9. View of trail to marshes



10. View of marshes from bridge



11. View of lake



12. View of woodlands

1 2-4

SPRING
.2005

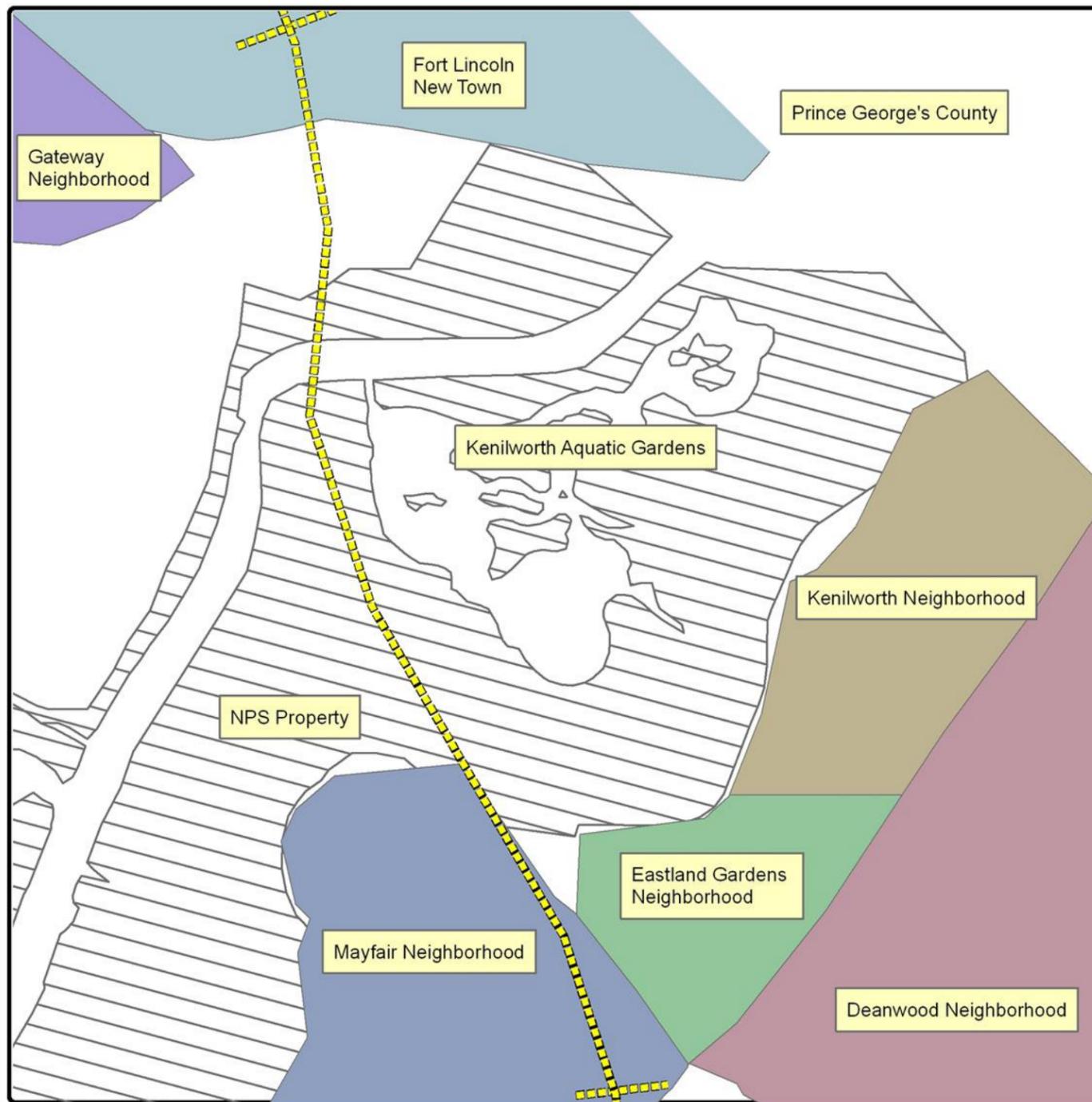
UNIVERSITY OF MARYLAND
LANDSCAPE ARCHITECTURE PROGRAM
.RON LEE

PHOTOGRAPHIC INVENTORY

KENILWORTH AQUATIC GREENWAY NEIGHBORHOOD

FORT CIRCLE PARKS
WASHINGTON, D.C. GREENWAY

REGIONAL DESIGN STUDIO
LANDSCAPE ARCHITECTURE PROGRAM
96



NEIGHBORHOODS



- Deanwood
- Eastland Gardens
- Fort Lincoln
- Gateway
- Kenilworth
- Mayfair
- Anacostia Park

NARRATIVES

Biker

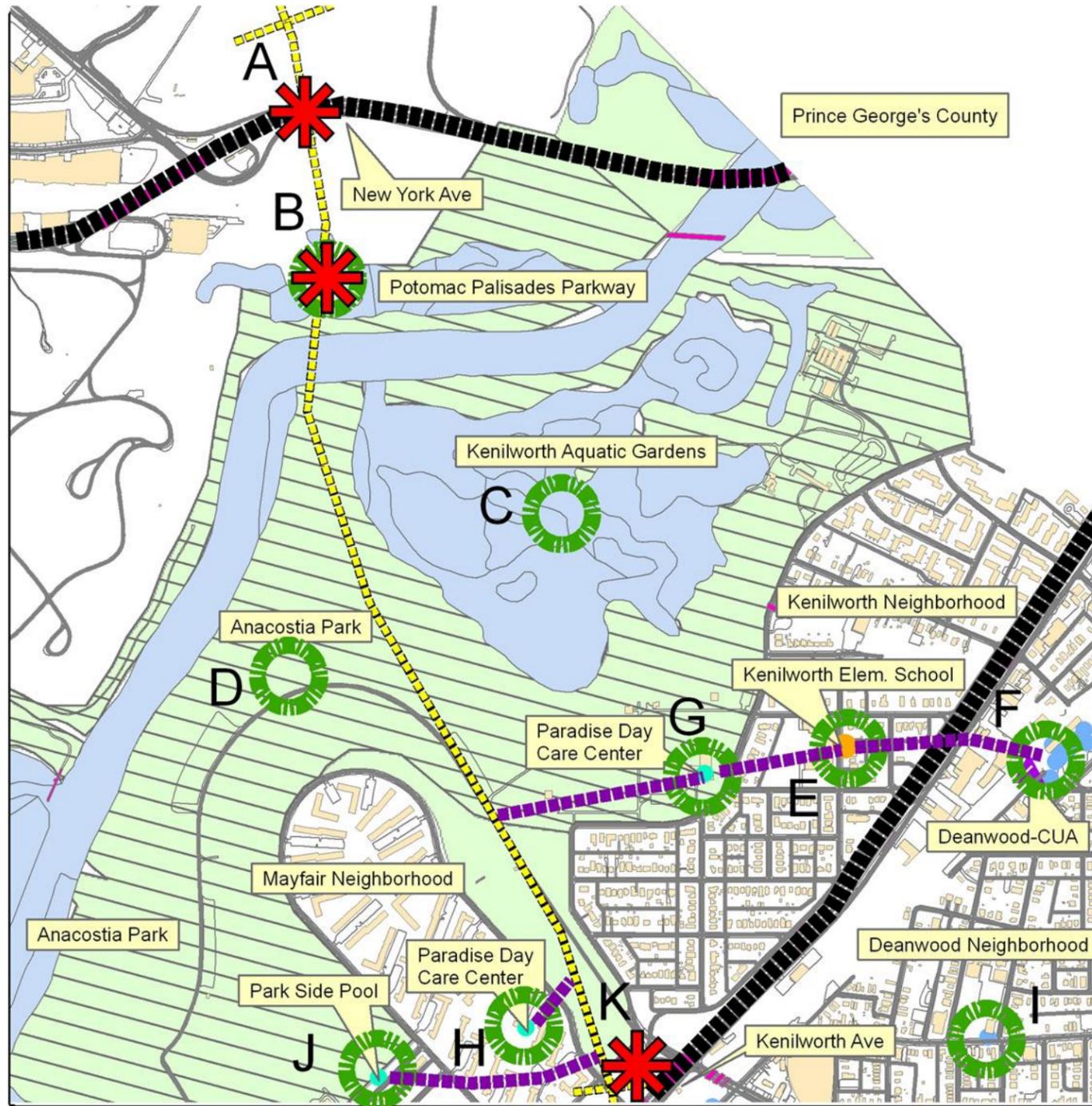
I wake up every morning at 5am to prepare myself for the most enjoyable part of my day. After I put on my gear and chow down a good breakfast, I'm off for a bike ride through the most visually exciting areas of DC. I start off by crossing New York Avenue, which is the roughest part of the bike ride, then through the Kenilworth Aquatic Gardens. The Kenilworth Aquatic Gardens is full of lush greenery and beautiful bodies of water. The ride is very leisurely thanks to the gentle to moderate slopes. As I make way out of the Aquatic Gardens, I make my way into and through the Anacostia Park, where more trees and woodlands give me cover from the noises and sights of the city. As I near Kenilworth Avenue, I know to turn around for the equally pleasing ride back home.

Hiker

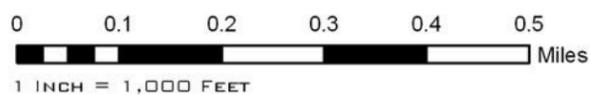
It has been a long day of work and I'm ready to unwind with a peaceful walk through the Kenilworth Aquatic Greenway. Starting the day at 6 in the morning to 3 in the afternoon allows me to take my time for a three-hour hike. Living in the Kenilworth Neighborhood definitely has its advantageous. As I change into my comfortable walking shoes and strap on my backpack filled with water, trail mix, and books for plant and animal reference, the sun begins to shine through the clouds and I know that this day will turn out alright. I make my south on Kenilworth Avenue and make a right turn onto the trail. Along the way, I'll make stops to feed the squirrels with nuts and look up different birds in my books. As I go up towards the Kenilworth Aquatic Gardens, I always take a seat under a tree of choice. I'll relax there for a bit to listen to all the different chirps from the birds. At the end of the Aquatic Gardens, I'll turn around to enjoy it all over again.

School Field Trip

A few weeks ago, a permission slip was handed out to the 3rd graders at Kenilworth Elementary School for a field trip to the newly developed Kenilworth Aquatic Greenway, which is located within a half-mile west. The day has finally arrived as the other teachers and I packed the yellow school buses with excited children. After the five to ten minute drive to the greenway, we unload the children and make sure they have their pencils and paper, as they will try to draw different animals and plants through the trail. As there are an incredible amount of plants throughout the entire greenway, the children will have their choice on what to draw. Along the way, the teachers and myself will explain to students the purpose of a Greenway Trail, Woodlands, and Wetlands. The students will learn about the environment and become sensitive to their surroundings in an urban and park setting.

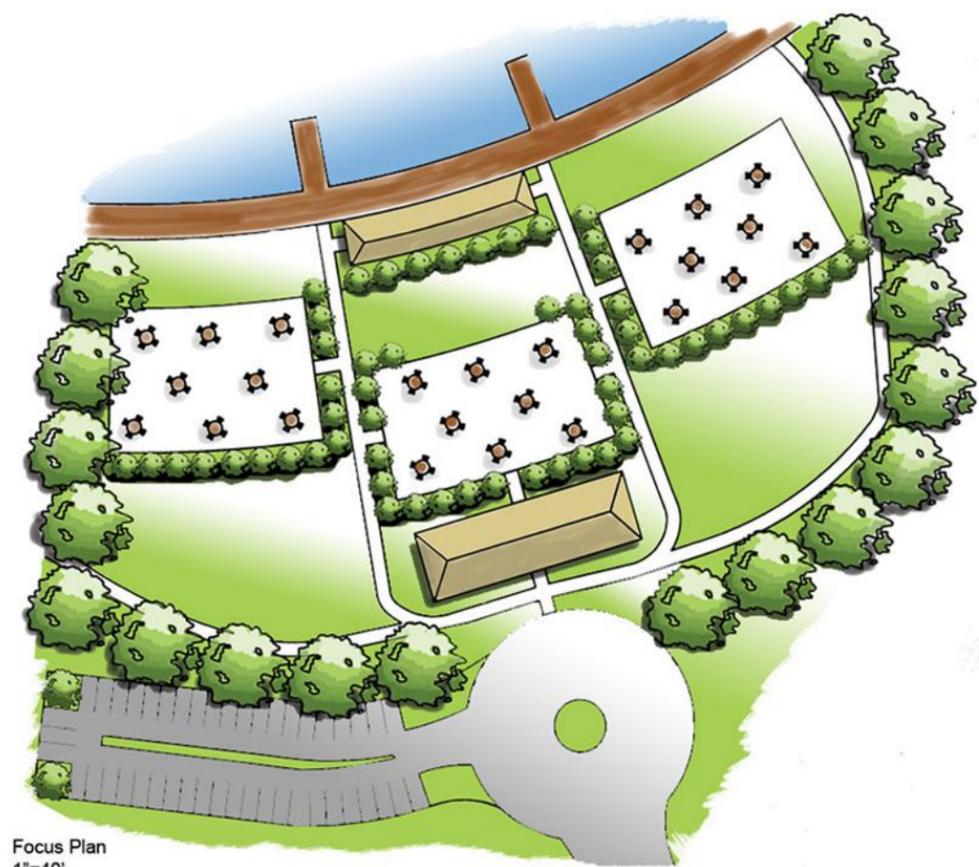


OPPORTUNITIES AND CONSTRAINTS

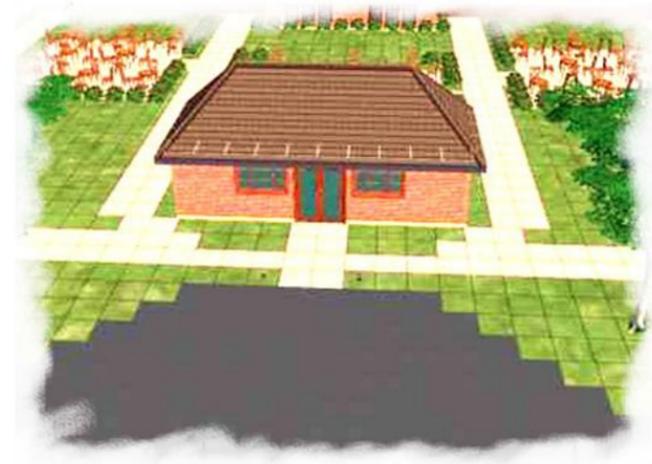


- Constraint**
- Opportunities**
- Major Roadways**
- Proposed Linkages**
- Green Trail**
- Wetlands**
- Recreational Facilities**
- Buildings**
- Metro Stations**
- Public Transportation**
- School**
- Anacostia Park**

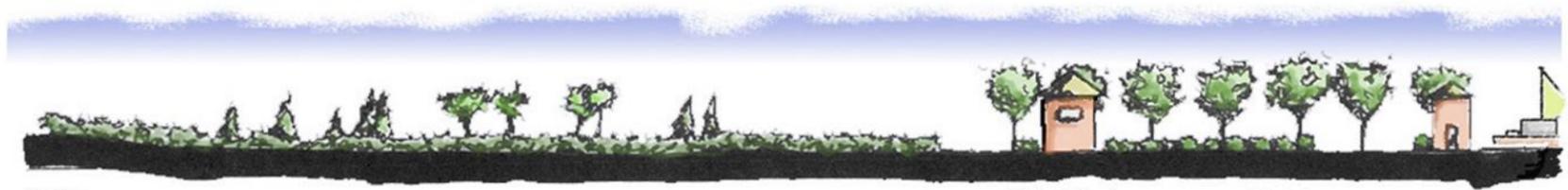
- A CONSTRAINT**
One of the few constraints for this area of the trail is getting across the busy New York Avenue. Studies will have to be taken to find the best method of crossing this highway.
- B CONSTRAINT**
The second constraint in this area for the trail is its encroachment on existing wetlands. The construction of the greenway trail may or may not cause any damage to the wetlands.
OPPORTUNITY
The encroachment to the wetlands may also be an opportunity in using existing natural habitat and the environment. Crossing through the wetlands adds aesthetic beauty, as well as the calming sounds of water.
- C OPPORTUNITY**
A large opportunity that is presented to the greenway trail is its location next to the Kenilworth Aquatic Gardens. The aquatic garden will add a very naturalistic feel to the proposed trail.
- D OPPORTUNITY**
The majority of the greenway trail will be on NPS property, in particular, Anacostia Park. This is one of the most important opportunities of the site, as it is mostly wooded.
- E OPPORTUNITY**
An important opportunity to grasp is linking the greenway trail to Kenilworth Elementary School, making the trail accessible for educational purposes.
- F OPPORTUNITY**
Approximately half a mile east of the greenway trail is the Deanwood subway stop and metro bus stops. This is an opportunity for outside-area visitors have easy access to this section of the greenway trail.
- G OPPORTUNITY**
An important opportunity to grasp is linking the greenway trail to Paradise Day Care Center, making the trail accessible for educational and entertainment purposes.
- H OPPORTUNITY**
An important opportunity to grasp is linking the greenway trail to Paradise Day Care Center, making the trail accessible for educational and entertainment purposes.
- I OPPORTUNITY**
The metro bus stop is a good opportunity to take advantage of to bring outside visitors to this area of the greenway trail.
- J OPPORTUNITY**
It will be important to link the Park Side Pool to the greenway trail as means to introduce people at the pool to the entertainment value of the trail.
- K CONSTRAINT**
One of the few constraints for this area of the trail is getting across the busy Kenilworth Avenue. Studies will have to be taken to find the best method of crossing this road.



Focus Plan
1"=40'



Perspectives



Section
1"=20'

Parking Drop-Off Visitor's Center Picnic Area Docks

DESIGN SOLUTIONS

KENILWORTH AQUATIC GREENWAY NEIGHBORHOOD

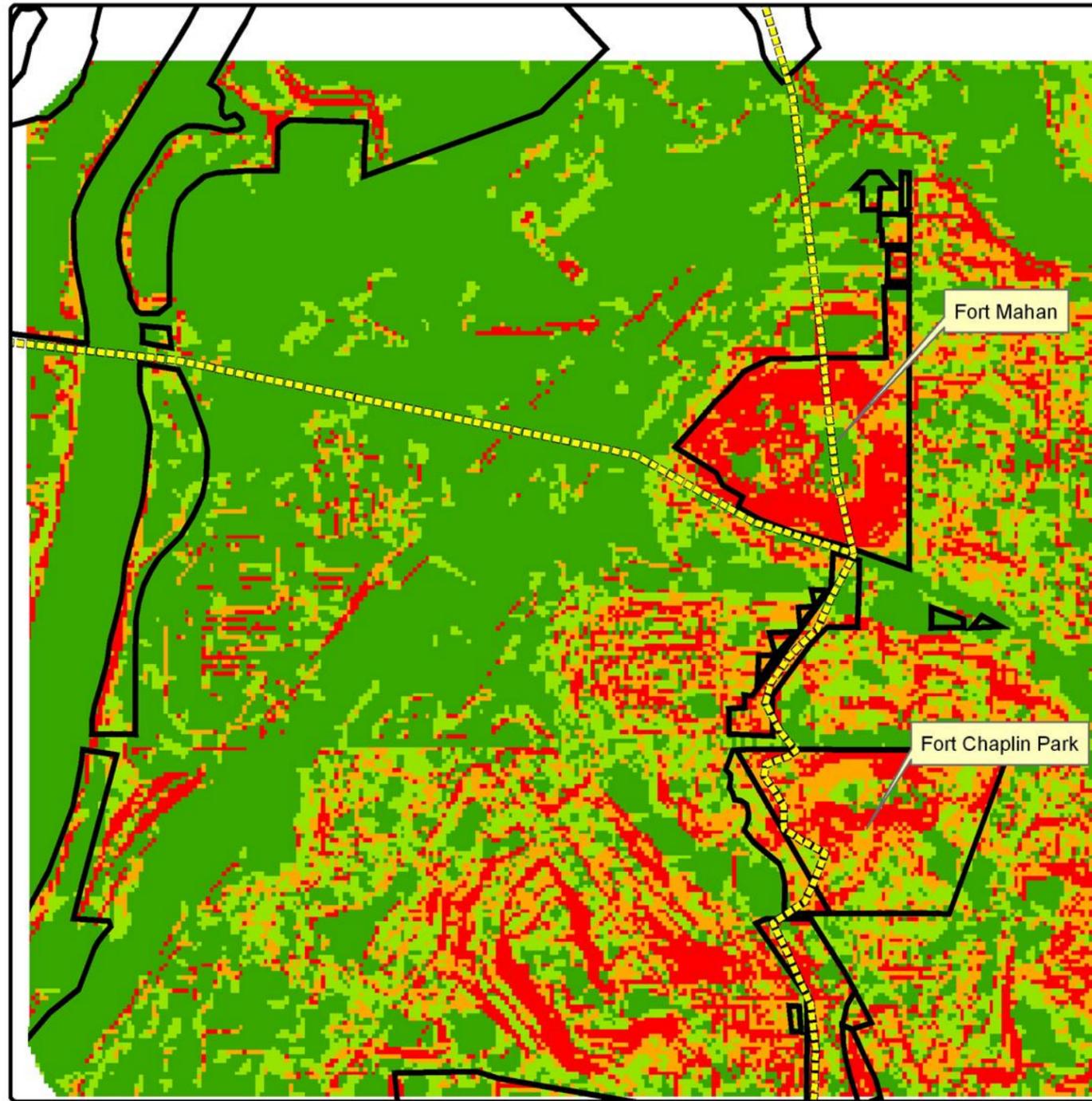
FORT CIRCLE PARKS
WASHINGTON, D.C. GREENWAY

12-7

SPRING
.2005

UNIVERSITY OF MARYLAND
.RON LEE

REGIONAL DESIGN STUDIO
LANDSCAPE ARCHITECTURE PROGRAM



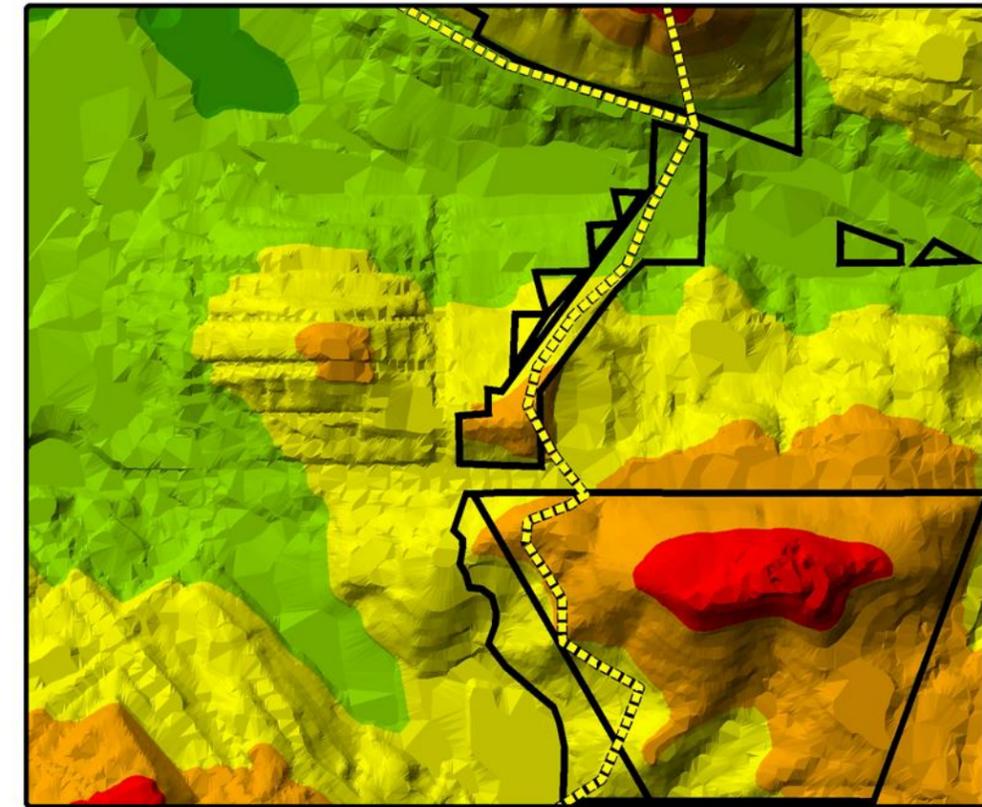
SLOPE



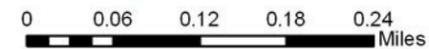
1 inch equals 1,000.00 feet

Legend

- NPS Parks
- 0 - 8 Gentle
- 8-15 Moderate
- 15-25 Steep
- 25+ Very Steep
- Greenway



RELIEF



Legend

- NPS Parks
- Edge type**
- Steepest
- To
- Gentle slope
- Greenway

DESCRIPTION

The slope map at left depicts the natural topography of Fort Mahan Greenway Neighborhood. The site is fairly flat surrounding the Anacostia River but starts to become steep towards Fort Mahan and the Fort Circle Parks. The above relief map is a closer in view of Fort Mahan and the surrounding countryside. Most of the higher ground is already encompassed in federally bought land.

FORT CIRCLE PARKS
GREENWAY

WASHINGTON, D.C.





WATER, WETLANDS & WOODLANDS



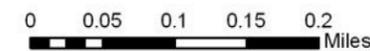
1 inch equals 1,000 feet

Legend

- NPS Parks
- Woodland
- Canal
- Lake
- Pond
- River
- Wetland
- fcptrailjunction



FORT MAHAN



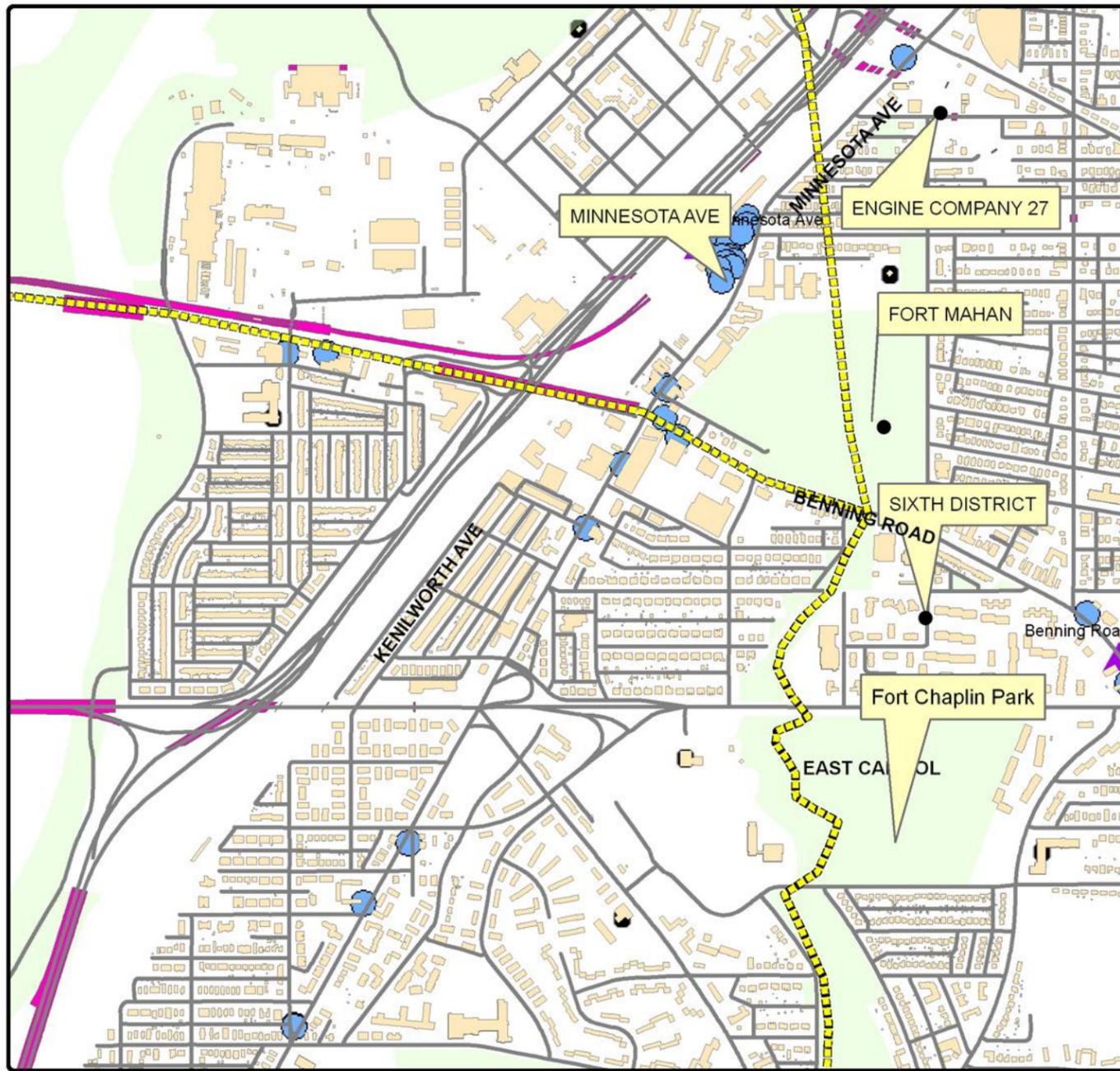
Legend

- NPS Parks
- Woodland
- Canal
- Lake
- Pond
- River
- Wetland
- Greenway

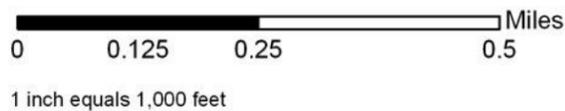
DESCRIPTION

The major biotic elements within Fort Mahan Greenway Neighborhood include water, woodlands and animals. This part of the Greenway is vital in connecting the west side of the Anacostia river to the east side. With this connection it will possible to walk, run or jog across the Anacostia and onto Fort Mahan on a designated trail. With any luck this trail will also provide a greenway connection for plants and animals to thrive.

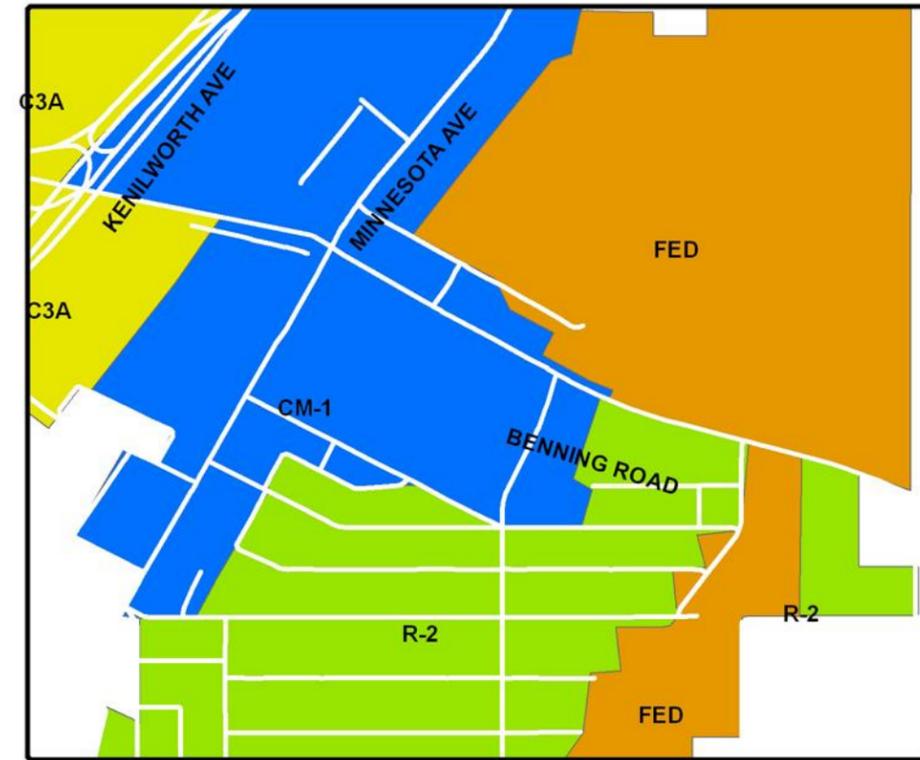




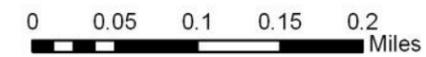
BUILDINGS, STREETS & SIGNIFICANT CULTURAL FEATURES



- | Legend | |
|------------------|-------------------------|
| — Streets | ▲ Metro Station |
| ■ Building | ● University Campus |
| ■ School | ■ NPS Parks |
| ■ Bridge | ● Recreational Facility |
| ■ Police Station | ● Bus Stops |
| ■ Fire Station | ■ Greenway |
| ■ Hospital | |



ZONING



- | Legend | |
|-------------------------------|--|
| — Streets | |
| ■ Commercial - CM-1 | |
| ■ Commercial/Industrial - C3A | |
| ■ Federal - FED | |
| ■ Residential - R-2 | |

DESCRIPTION

Fort Mahan has many opportunities for the public to interact with the historical site. With abundant space on top of the historical crest resides a decent size soccer field. With the overgrowth reduced in the forest line, impressive views of the city are revealed. In addition to Fort Mahan there is an extension of the Fort Circle Park. This small branch of the park allows visitors to ride, walk or jog for miles in secluded wooded trails.

FORT CIRCLE PARKS
GREENWAY



1: Tree line, Fort Mahan



2: Tree line, Fort Mahan



3: Dirt mound, Fort Mahan



4: Trail, Fort Mahan



5: Soccer field tree line, Fort Mahan



6: Trail Foliage, Fort Circle Park



LOCATION OF PHOTOGRAPHS

1 inch equals 1,000 feet



7: Tree line Anocostia, Fort Mahan



8: Local vegetation near Kenilworth



9: Local neighborhood, Kenilworth



10: Trail Foliage Fort Circle Parks

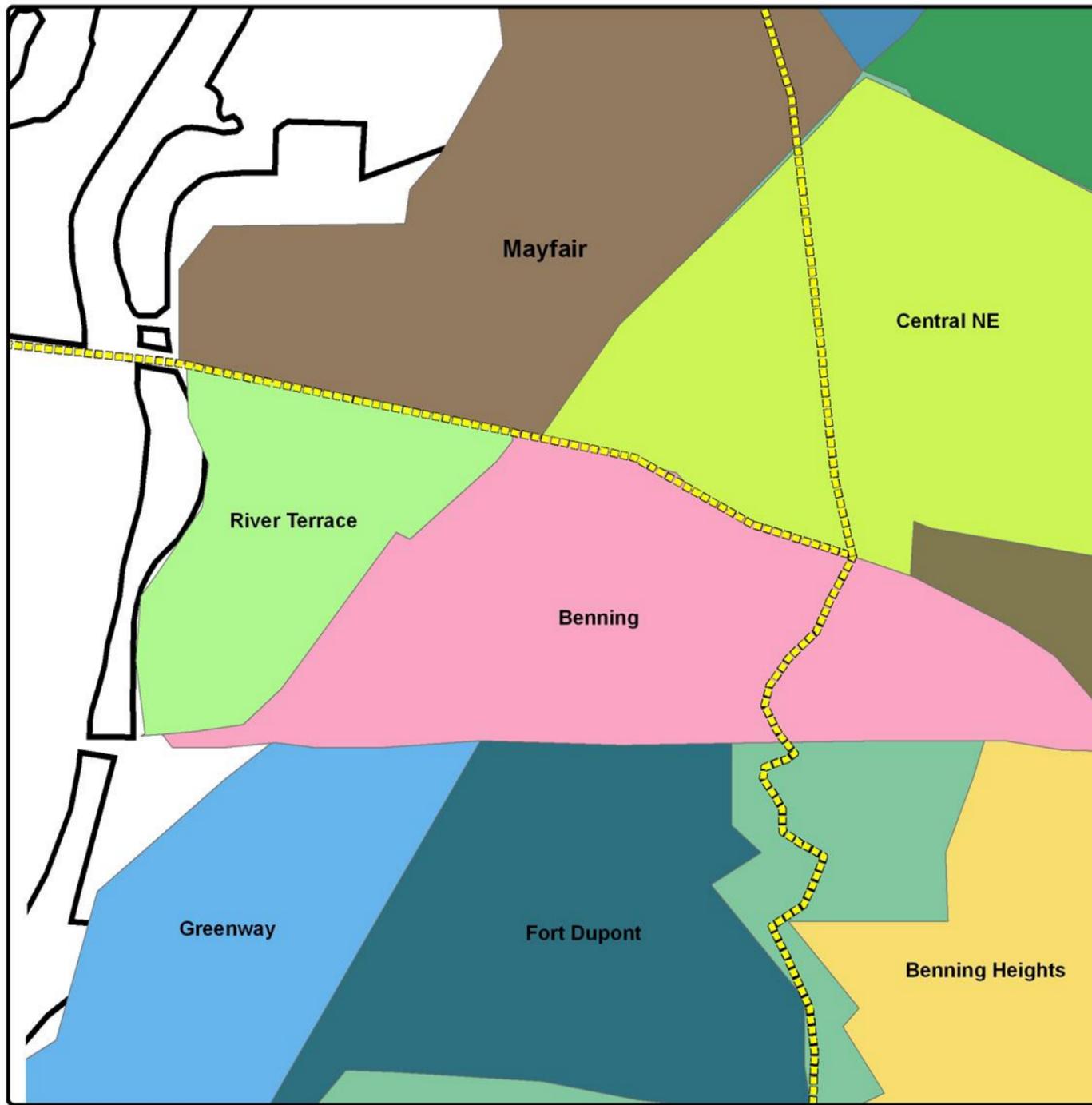


11: Soccer field foliage Fort Mahan



12: Tree line, Fort Mahan





NEIGHBORHOODS



1 inch equals 1,000 feet

USER NARRATIVES

BIKER

I am a 34 year old adult engineer who likes to enjoy a casual ride on my mountain bike. I get in my car at work and drive 10 minutes to the Fort Circle Park. There I unload my bike off the back of my car in the rather large parking spot that has enough room to dismount my bike without damaging the cars next to me. I then proceed to get on my bike and ride to the nearest entrance a mere 100 feet away. The trail is paved for the first mile which is ideal for the days were I need to return to work without being covered with mud. Then trail turns into a mud after one mile for those days in which I will not have to return to work and feel the need for speed and mud. But the usual bike ride ends with little discomfort and less mud. I pedal my bike back to my car and find that my automobile is still there which is a plus and remount my bike and head back to work.

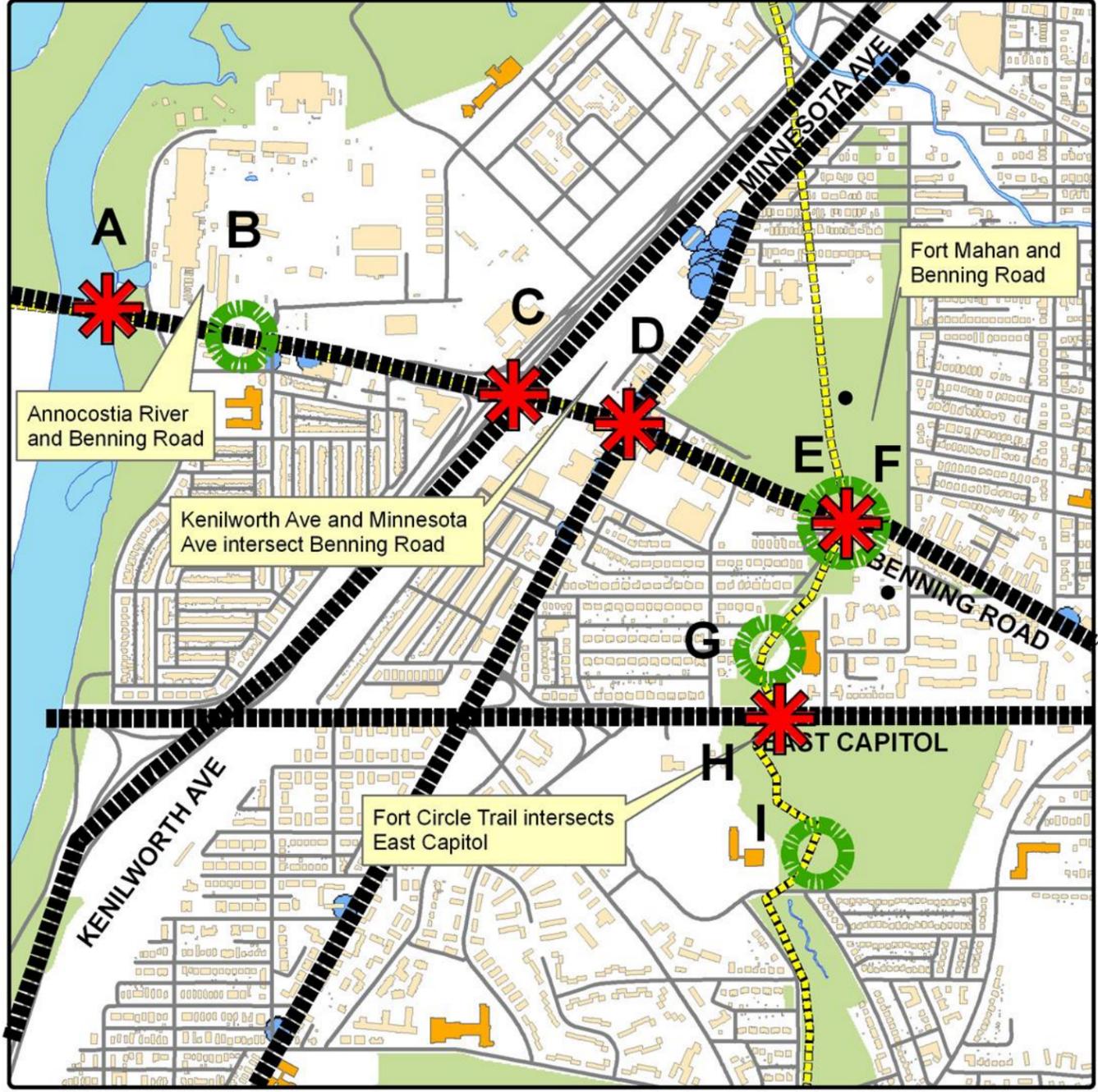
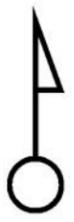
STUDENT

I am a 22 year old college student who likes to enjoy a nice day by walking down the Fort Circle trail. I have little money so I can't afford to even buy a bike rack to put on my car. So therefore I walk the trail for just a mile or so. It is a good thing it is paved because I won't have time to change clothes before my next class if I get muddy. But after awhile of walking I feel tired and just want to find a place to sit and rest. Conviently there is bench near by that perfectly complements the trail which makes even resting on a bench feel connected with the trail. After a good rest I decide to leave the trail to head home. The one hour I was at the trail was enough time to rejuvenate and get focused.

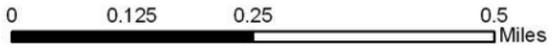
HIKER

I am a 50 year old hiker from the Midwest. I am just passing through the nation's capital and am in need of a break from the hustle and bustle of the city. So after looking at a map of the near by attractions, I am drawn to an ad in the brochure that entices me to go and hike the New Fort Circle Trail. Finding the trail was easy because of the well labeled road markers leading me in the right direction. When I arrive at the trail I immediately exit my spacious parking spot and head towards the entrance of the trail. The first mile of trail is paved which is fine because it gives my legs time to warm up for the real trail. When I reach the end of the paved trail I am immediately immersed in an environment reminiscent of the West Coast Mountains. I am impressed with the diversity of the trail and the way it weaves through existing plants without taking a convient straight and narrow course. After 3 miles I am tired of hiking and decide to return home. My 3 hour visit was well spent and I am refreshed and ready to see the rest of the nation's capital.

COMPOSITE ANALYSIS



OPPORTUNITIES AND CONSTRAINTS



1 inch equals 1,000 feet

Legend

- Water
- School
- Streets
- Building
- NPS Parks
- Public Transportation
- fcptrailjunction
- Major Roadways
- Proposed Linkages
- Constraints
- Opportunities

- A** **Constraint**
In order to cross the Anocostia River an additional walkway will need to be added to the existing transportation bridge or a new foot bridge will have to be installed.
- B** **Opportunity**
This location has an opportunity to connect the greenway trail with River Terrace Elementary school.
- C** **Constraint**
Encountering Kenilworth Ave. has the probability of creating a disconnect in the Greenway trail. The addition of an additional crossing signal or footbridge is needed to cross this busy road.
- D** **Constraint**
Encountering Minnesota Ave. has the probability of creating a disconnect in the Greenway trail. The addition of an additional crossing signal or footbridge is needed to cross this busy road.
- E** **Opportunity**
This location is the junction of the proposed greenway and its alternative route. This location also marks the connection to historic Fort Mahan.
- F** **Constraint**
Encountering Benning Road has the probability of creating a disconnect in the Greenway trail. The addition of an additional crossing signal or footbridge is needed to cross this busy road.
- G** **Opportunity**
This location has an opportunity to connect the greenway trail with Benning Elementary school.
- H** **Constraint**
Encountering East Capitol has the probability of creating a disconnect in the Greenway trail. The addition of an additional crossing signal or footbridge is needed to cross this busy road.
- I** **Opportunity**
This location has an opportunity to connect the greenway trail with Weatherless Elementary school.

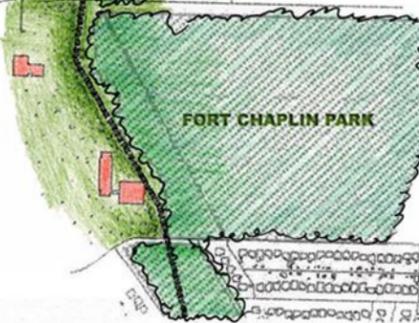
FORT CIRCLE PARKS
WASHINGTON, D.C. GREENWAY



MASTER PLAN
Scale 1" = 500'



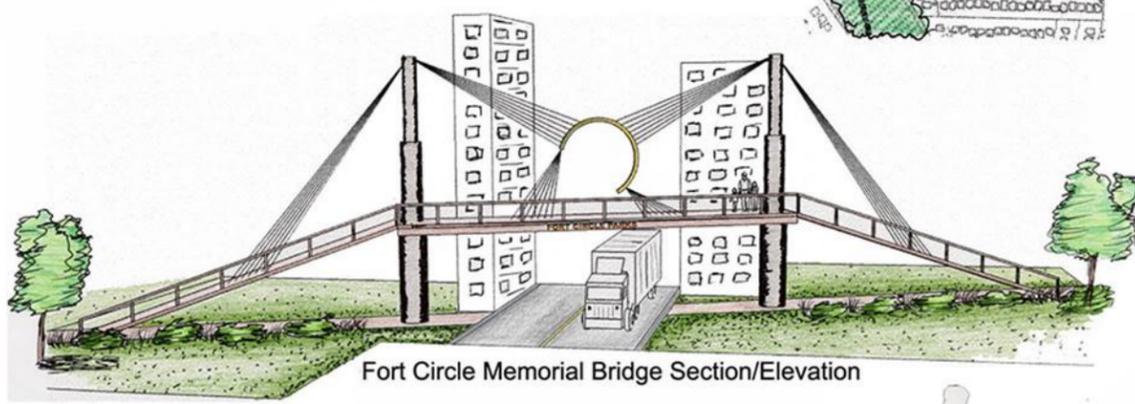
Intersection 295 and Fort Circle Trail



FORT CHAPLIN PARK



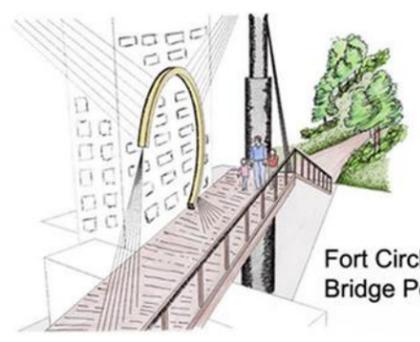
FORT MAHAN LOOKOUT
Scale 1" = 80'



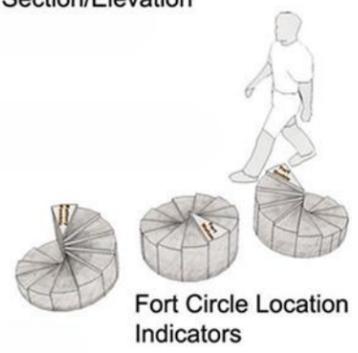
Fort Circle Memorial Bridge Section/Elevation



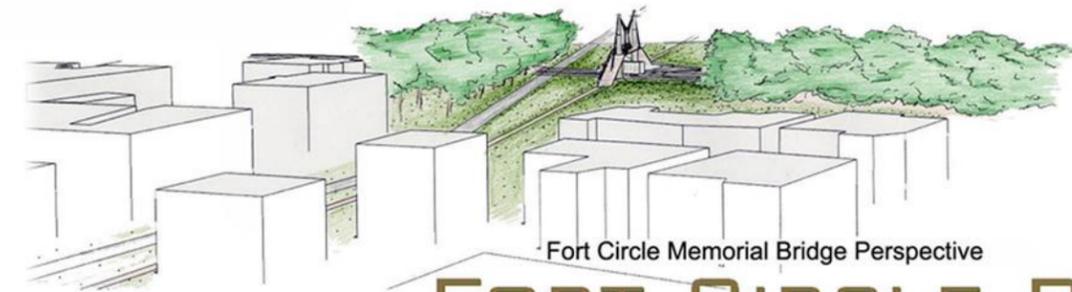
Fort Mahan Lookout Trail



Fort Circle Memorial Bridge Perspective



Fort Circle Location Indicators



Fort Circle Memorial Bridge Perspective

DESIGN SOLUTIONS

FORT MAHAN GREENWAY NEIGHBORHOOD

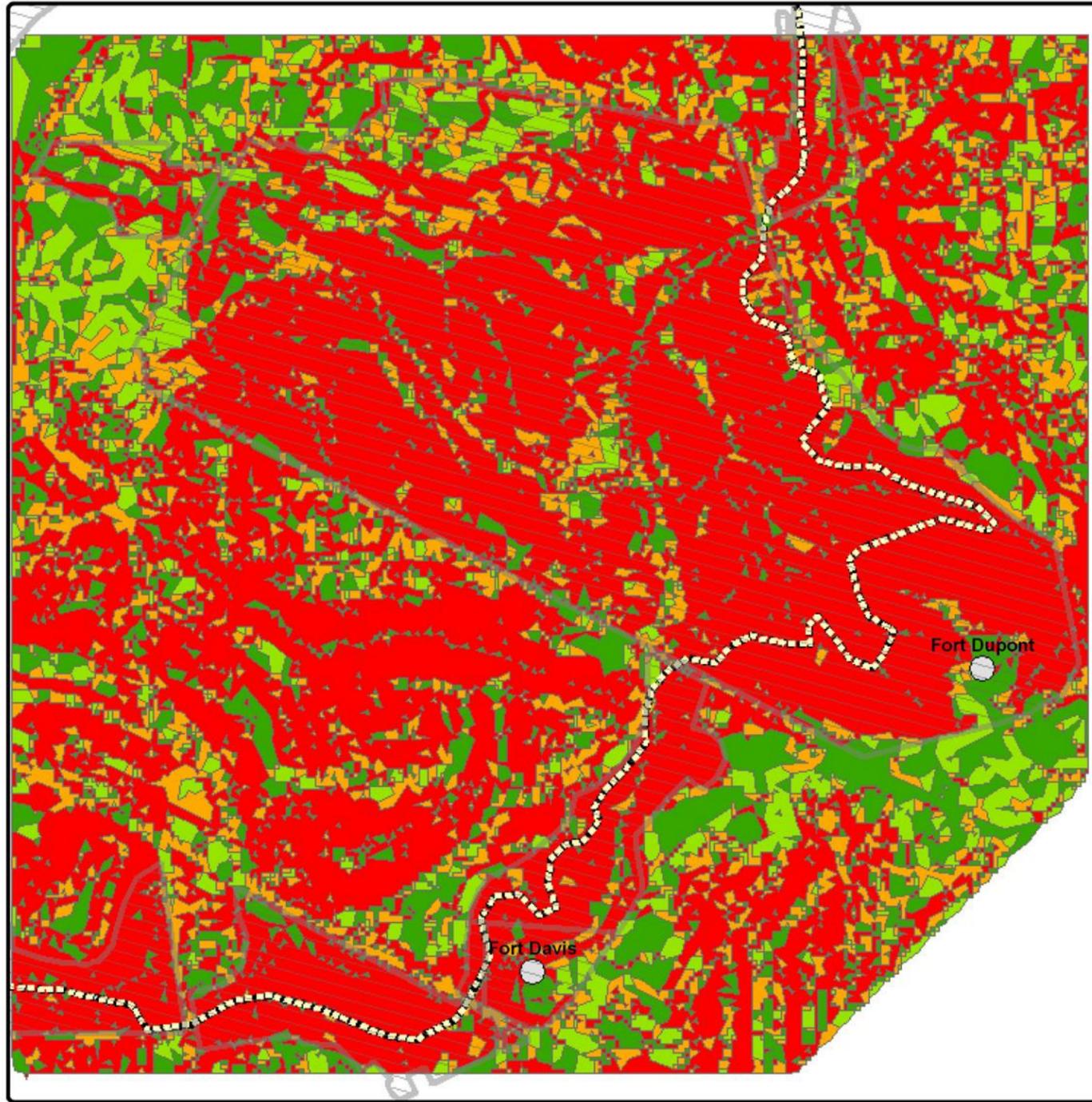
FORT CIRCLE PARKS
WASHINGTON, D.C. GREENWAY

13-7

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.2005

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LANDSCAPE ARCHITECTURE PROGRAM
• BRETT MANVILLA

107



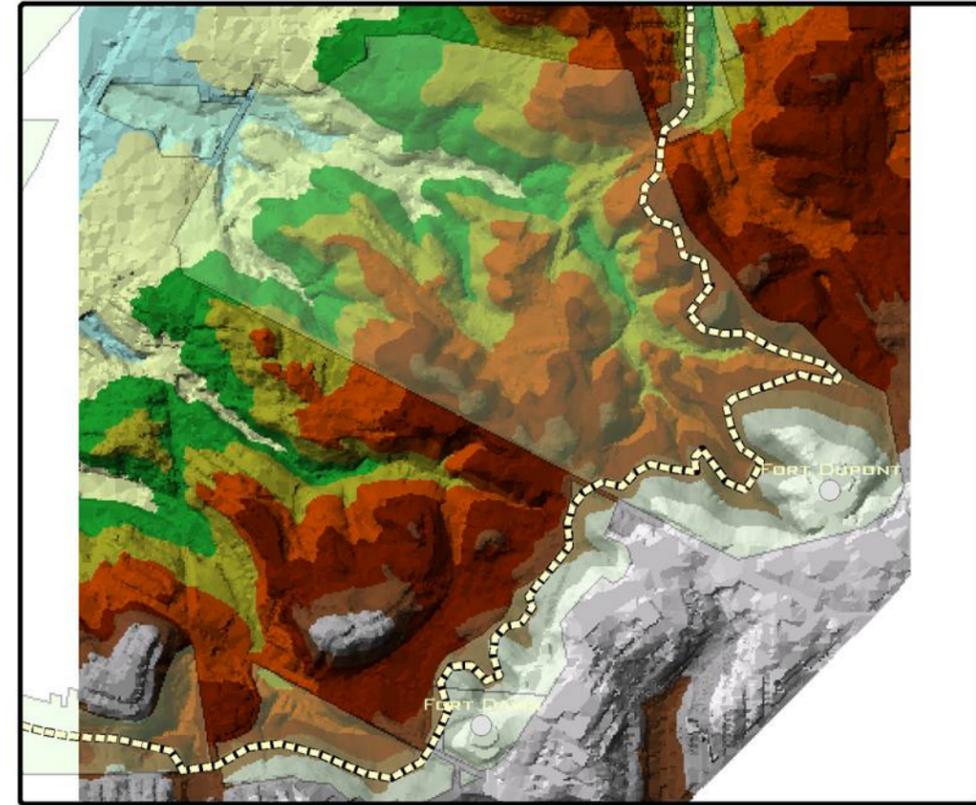
SLOPE



1 inch equals 1,000 feet

- National Park Property
- Forts
- Greenway Trail
- 0-8% Gentle
- 8-15% Moderate
- 15-25% Steep
- > 25% Very Steep

FORT DUPONT GREENWAY NEIGHBORHOOD



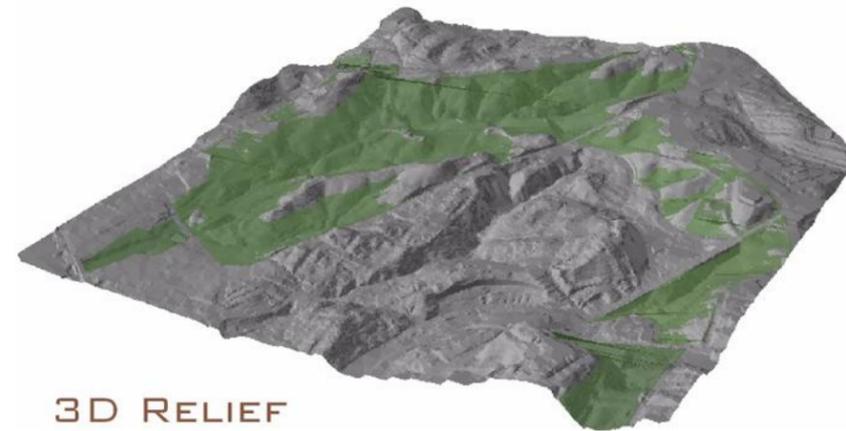
RELIEF



- Greenway Trail
- National Park Property

DESCRIPTION

The majority of the Fort Circle Park land in the Fort Dupont Greenway Neighborhood is made up of very steep slopes. The areas that are within the park and have gentle to moderate slopes are being used as recreational areas or as picnic areas. The rest of the park is used for hiking and mountain biking. The steep slopes are good for these purposes.

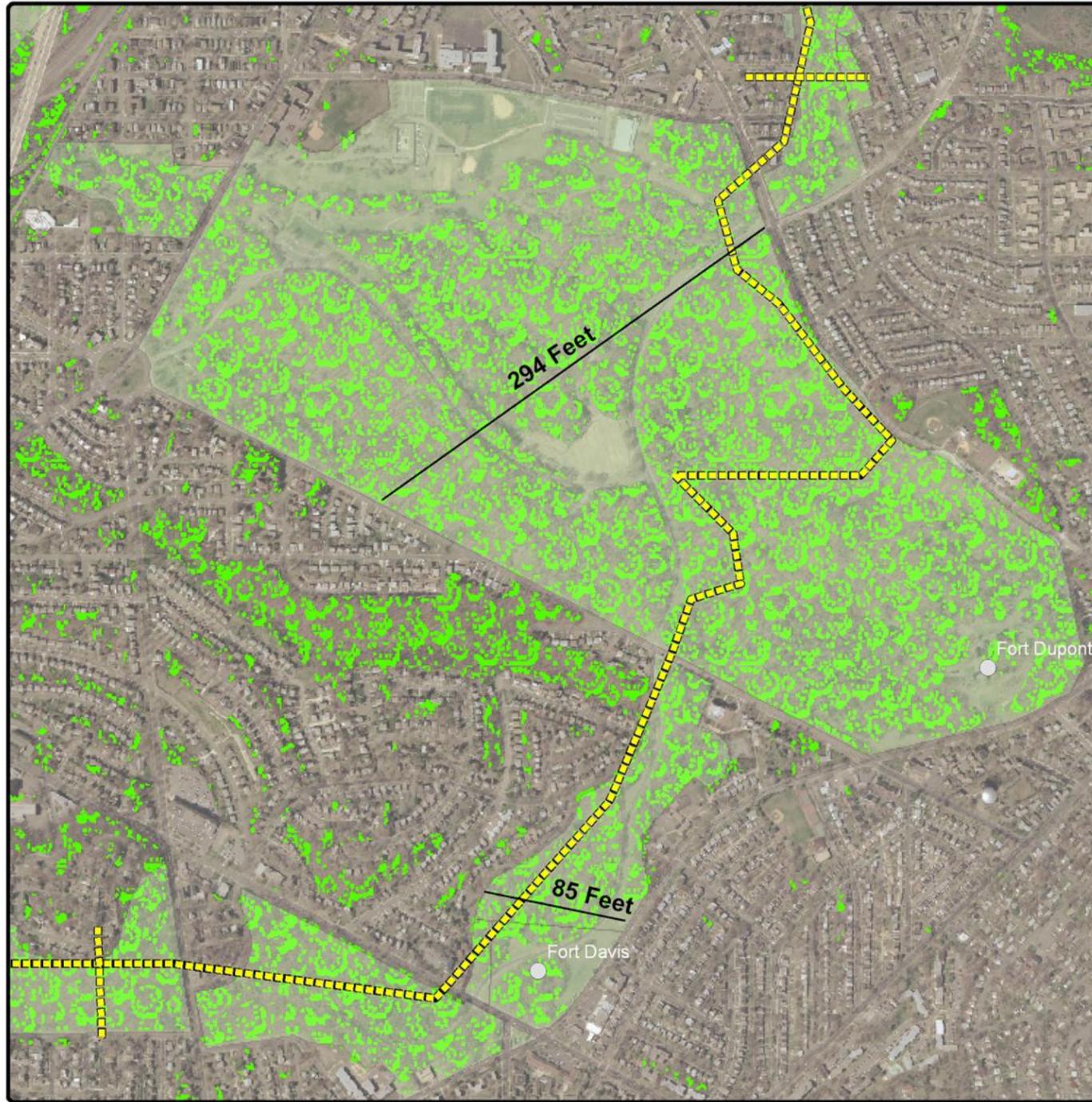


3D RELIEF

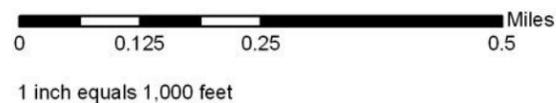
FORT CIRCLE PARKS

WASHINGTON, D.C.

GREENWAY



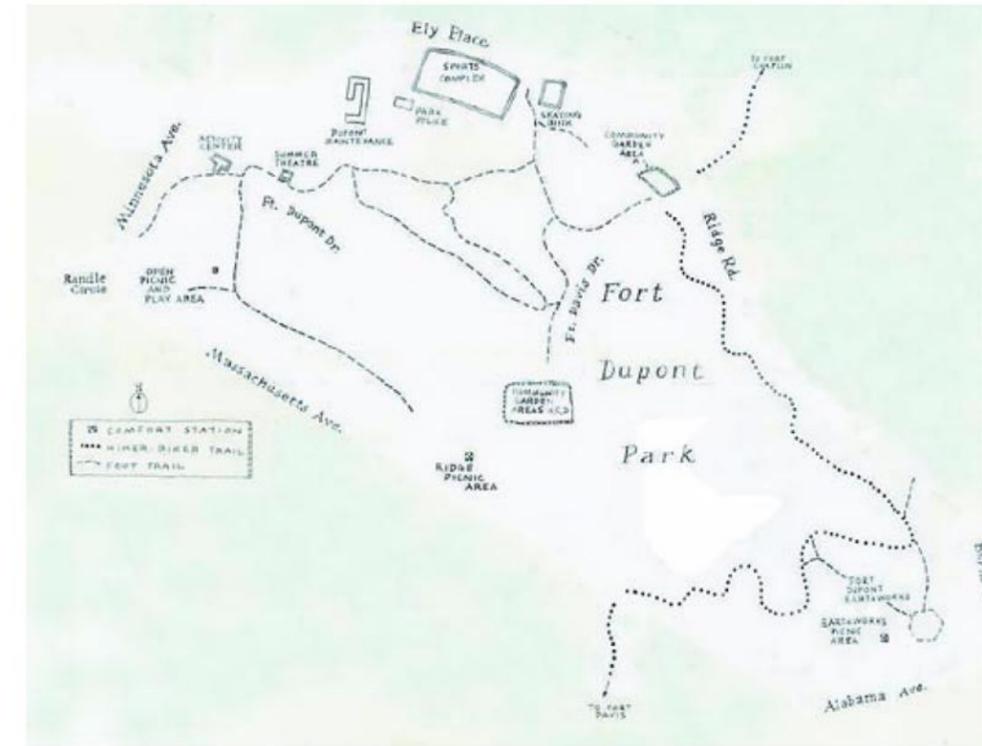
WATER WETLANDS & WOODLANDS



- National Park Property
- Woodlands
- Fort Circle Trail
- Forts

FORT DUPONT GREENWAY NEIGHBORHOOD

INVENTORY: BIOTIC



www.nps.gov

FORT DUPONT NATIONAL PARK

The major biotic feature of the Fort Dupont greenway neighborhood is the 376 acres of wooded land that is the Fort Dupont National Park. This area is home to many different species of wildlife including squirrels, deer, raccoons, etc. The park also boasts the Pink Lady Orchid which people come from all around the country to see. Besides Fort Dupont National Park there is a fairly wide swath of wooded land that connects Fort Dupont with the rest of the Fort Circle Greenway. There is little to no water on the site.

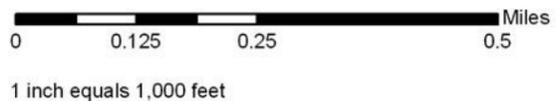
FORT CIRCLE PARKS
GREENWAY

WASHINGTON, D.C.





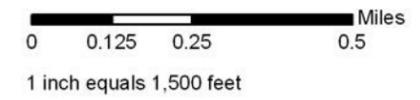
BUILDINGS, STREETS, AND SIGNIFICANT CULTURAL FEATURES



- Fort Circle Trail
- National Park Property
- Schools
- Buildings
- Bridges
- Streets
- Recreation Facilities
- Public Transportation
- Forts



ZONING



- National Park Property
- C-1
- C-M-1
- FED
- R-1-B
- R-2
- R-4
- R-5-A
- Fort Circle Trail

DESCRIPTION

The Fort Dupont Greenway Neighborhood is very culturally active. The park is designated as a multi-use park because it has a wide variety of activities such as ice-skating, basketball, tennis, swimming, biking, hiking, nature walks, a junior ranger program, gardening, picnicking, and free live concerts. It is a center for African American culture. It hosts concerts of jazz, go-go, blues, and hip-hop. The public gardens focus on southern cooking. They also host reunions. The public gardens are a huge part of the cultural identity of the neighborhood. People have grown up using the gardens and greatly appreciate them being available. " Anytime I get disgusted, bored, I go out and dig in the ground. I get a lot of relaxation, and I enjoy it, and I appreciate the Park Service for making a garden available to us." (Quote from resident).

FORT CIRCLE PARKS GREENWAY
WASHINGTON, D.C.



1. Fort Dupont Drive winds through the entire park allowing visitors to come across views and recreational areas.



2. Fort Dupont Recreational Area. This is one of many recreational areas where the community comes to play.



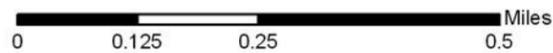
3. Community Gardens. These gardens represent the soul of the community for a lot of residents. People are grateful that they have access to the gardens.



4. Large Open Field. This is one of the fantastic views that park users come across. It is very lush and green.



LOCATION OF PHOTOGRAPHS



1 inch equals 1,000 feet

- Forts
- Greenway Trail
- National Park Property



5. Open Space. This is a common theme in the park, open green space where residents can walk their dog, sit and read, picnic, etc.



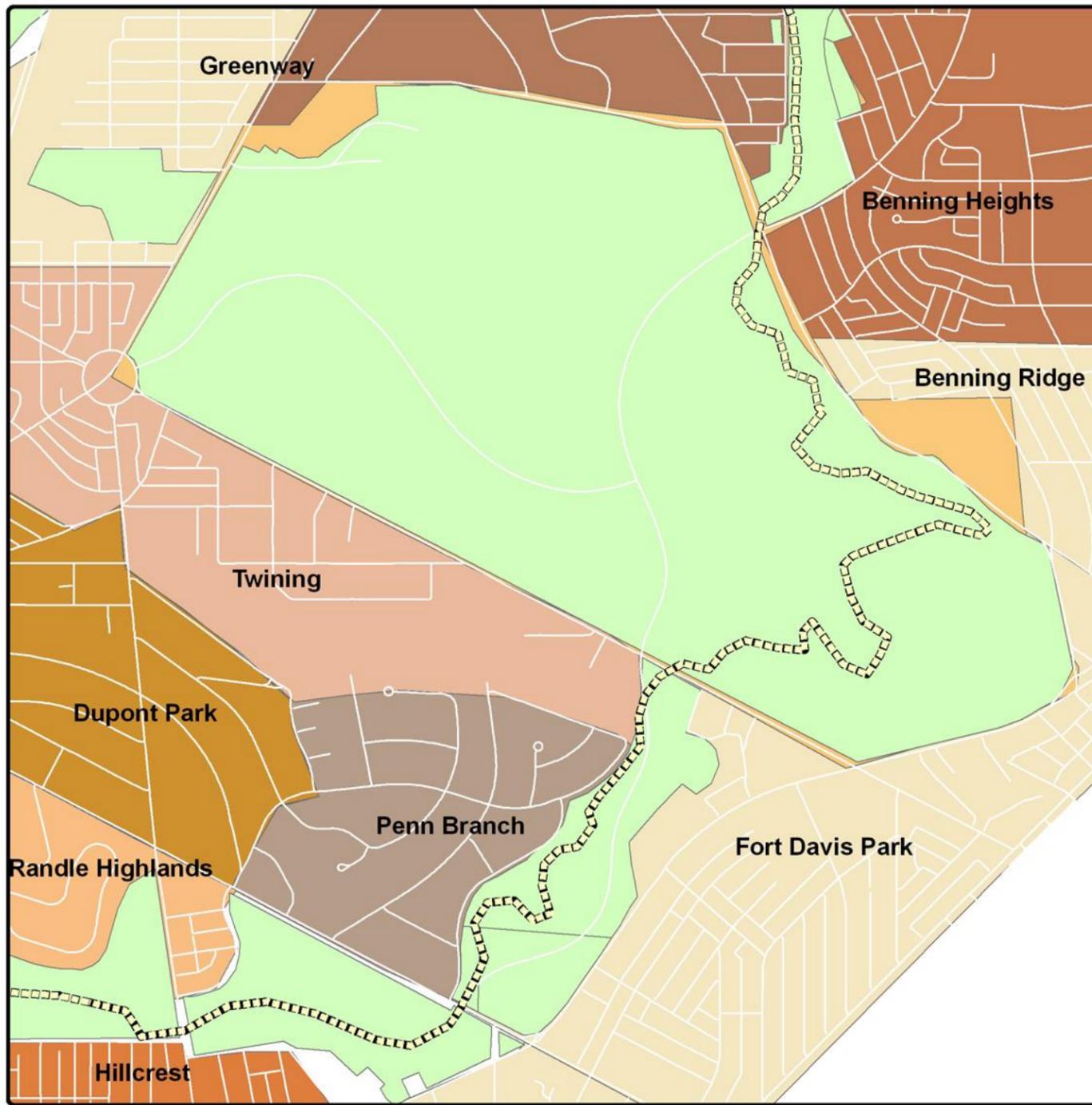
6. Picnic Area. Here a picnic table is set up so users can enjoy lunch and the beautiful surroundings



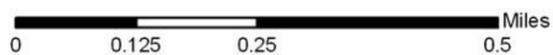
7. Existing Informational Sign. This sign is similar to the one at all the forts along the trail and it displays information about the fort and the Civil War.



8. Surrounding Residential Neighborhoods.



NEIGHBORHOODS



1 inch equals 1,000 feet

- National Park Property
- Fort Circle Greenway Trail

DESCRIPTION

The neighborhoods surrounding Fort Dupont National Park will use the park heavily. The park will also be used by Fort Circle Parks Greenway Trail users to learn about the forts and about Washington D.C. Because of the unique trail system in the park, specialized users such as

USER NARRATIVES

User Group	Frequency	Duration	Intensity
Mountain Bikers	Weekly	2-3 Hours	30 People
Little League Team	3 Days/week	2 Hours	20 People
Elementary School Class (Field Trip)	Yearly	5 Hours	30 Students

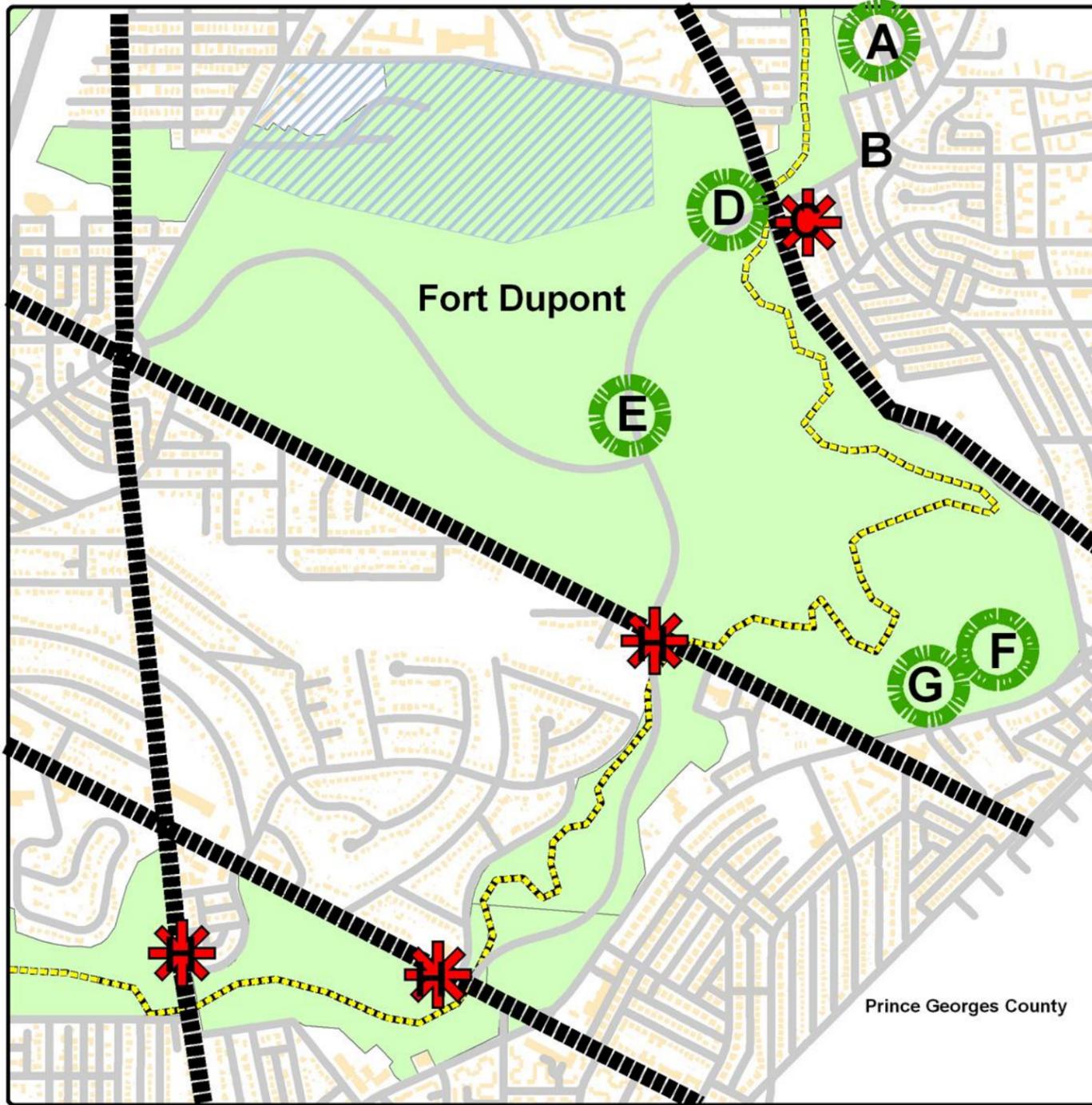
MOUNTAIN BIKERS

I am a student at the University of Maryland. I am originally from West Virginia and one of my favorite past times there was to mountain bike in the Shenandoah National Park. I love the University of Maryland but I really miss being able to blow off some steam on my bike on the weekends. That is why I was so excited to find out about Fort Dupont. Fort Dupont is the only place in Washington that you can mountain bike. So now on Saturdays my roommate and I hop in my car and take the 20 minute drive down Pennsylvania Avenue. We enter the park at Fort Dupont Drive and park our car. From there we get on our bikes and ride on the trails that weave through the 376 acres of wooded park. It is an amazing feeling to be in the Nations Capitol, in a big city but be completely surrounded by woods. The park has pretty steep slopes so the riding is challenging which is great. After about 2 hours of riding we hop back in the car and head back to school. This is an essential part of my week.

LITTLE LEAGUE TEAM

I am 11 years old and I live in Randle Highlands in south east Washington D.C. I am a fifth grader at Randle Highlands Elementary School. My family and I love living in one of the neighborhoods surrounding Fort Dupont. We use the fort all the time. We like to go on picnics there in the summer and my parents go to the free concerts on the weeknights to keep there romance alive, eeewww. My favorite part of the park is the recreation complex along Minnesota Avenue. That is were my little league team plays games and has practice. We have practice on the baseball fields on Monday and Wednesday nights for 1 hour. My dad is the coach and I love spending that time with him. On Saturday mornings and afternoons we have games. I am on the Orioles this year and I play shortstop. My team is pretty good and we might even win the championship this year. We walk from our house to the fields. We don't really have to cross any big roads to get there because the area surrounding the park is all houses. We live south of the fields so we also get to walk through some of the trails in the park. Sometimes we see cool birds or other wildlife. After the game my dad usually takes me to get ice-cream, and sometimes we stay at the park and play catch.





OPPORTUNITIES AND CONSTRAINTS

0 0.125 0.25 0.5 Miles
1 inch equals 1,000 feet

- Large recreational area
- Greenway Trail
- Buildings
- Roads
- National Park Property
- Opportunity
- Constraint

- A** **Opportunity**
I start walking through the Fort Dupont Greenway Neighborhood and I find myself in a residential area.
- B** **Opportunity**
Currently the street is not well landscaped and the trail will have to run along the street for a some time.
Constraint
Having the trail run along the street will provide an opportunity to make the trail more visible to everyday people that may not be familiar with it. If all the parts of the trail throughout the greenway were landscaped the same way, they provide a visible link of all the greenway neighborhoods and people driving by would be able to identify it as the Fort Circle Parks Greenway Trail.
- C** **Constraint**
Continuing along the trail I come across Riggs Road. This is a constraint because it brings users up against heavy traffic.
This could provide an opportunity for some signage or a map of the greenway. Also if the trail crosses at a crosswalk I do not think it will be a problem.
- D** **Opportunity**
Next I come to the entrance to Fort Dupont National Park. This will be a great spot to have a large sign marking the entrance to the park and have information that describes the park and a map of the different activities that are going on. This area will also be a linkage to the surrounding neighborhoods and the schools nearby that use the park.
Constraint
Fort Dupont is a very big park and may intimidate casual trail users. It also has a lot of steep slopes in it.
- E** **Opportunity**
The 376 acres of the park and the steep slopes also provide a great opportunity to have a series of trails that may branch off the main trail for more adventurous hikers. It also allows wildlife and nature to inhabit Washington D.C. and in turn for park users to learn about them.
- F** **Opportunity**
The forts are one of the main focuses of the trail and they are very interesting. Fort Dupont offers an opportunity to teach people in an interactive way about the war and the forts. I think that if the earthwork fort was cleared so the shape and location were more visible it would bring a lot more interest to the site. This is also a high point of the park and there are good views of the city from here.
- G** **Opportunity**
Near the fort there is a picnic area that is currently not that great. I think with a little work it could be a major social space for the community to enjoy.
- H** **Constraint**
Crossing roads is difficult but it could be a place to provide visible markings of the trail for people walking or driving by.



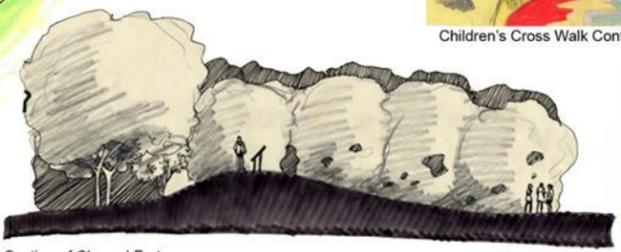
Master Plan Scale 1"=500'



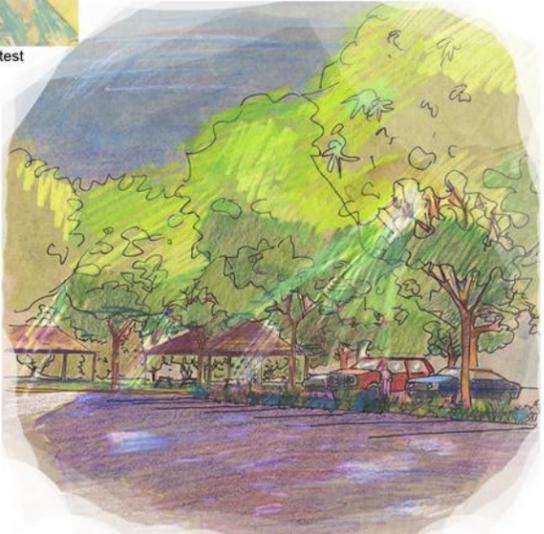
Alabama Street Park



Children's Cross Walk Contest



Section of Cleared Fort



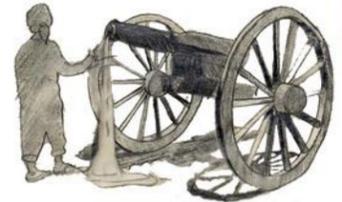
Picnic Area



Farmer's Market



Play Lawn

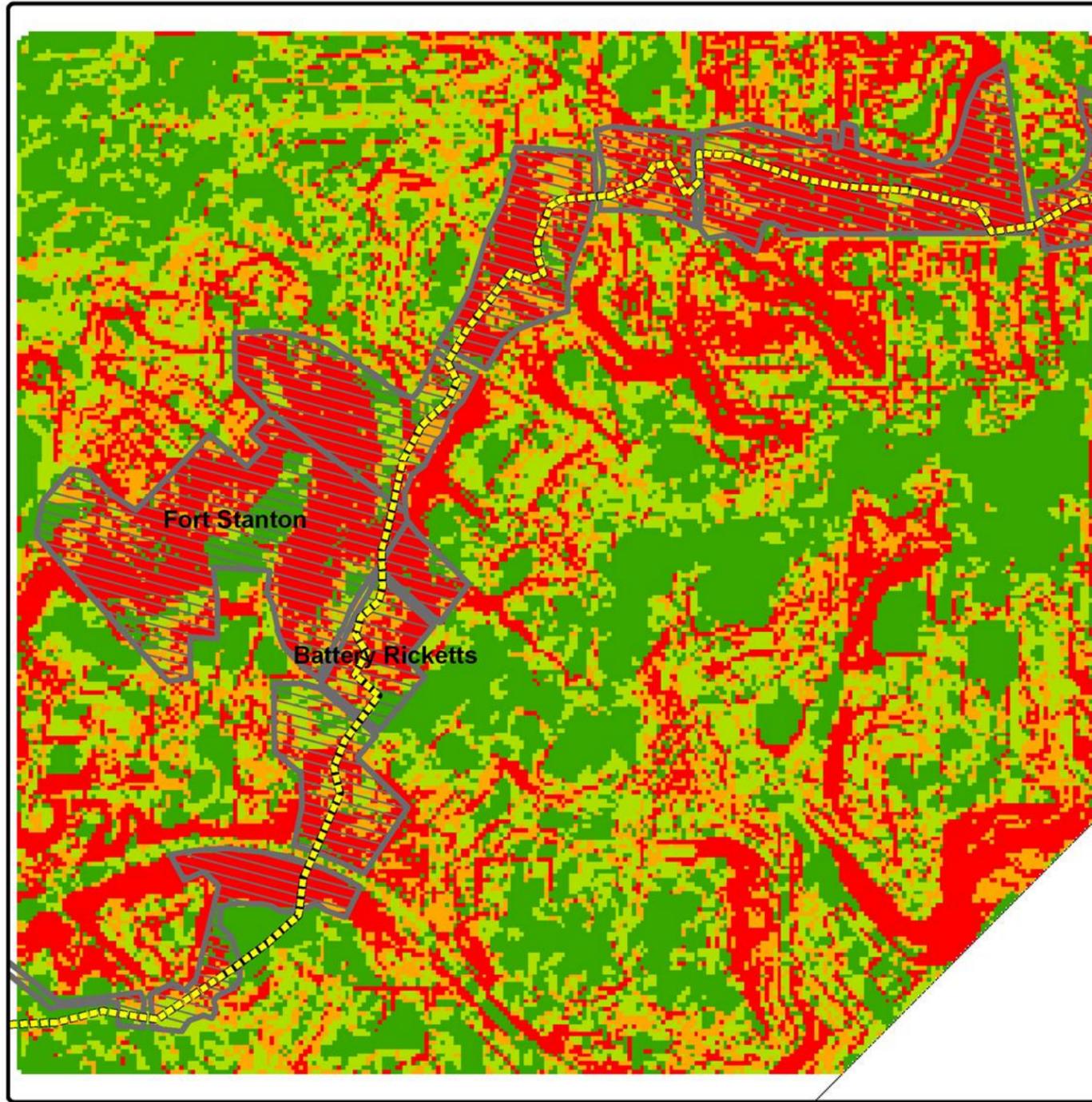


Children's Play Fountain

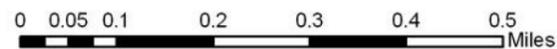


Section of Paving, Lawn, and Fort

DESIGN SOLUTIONS



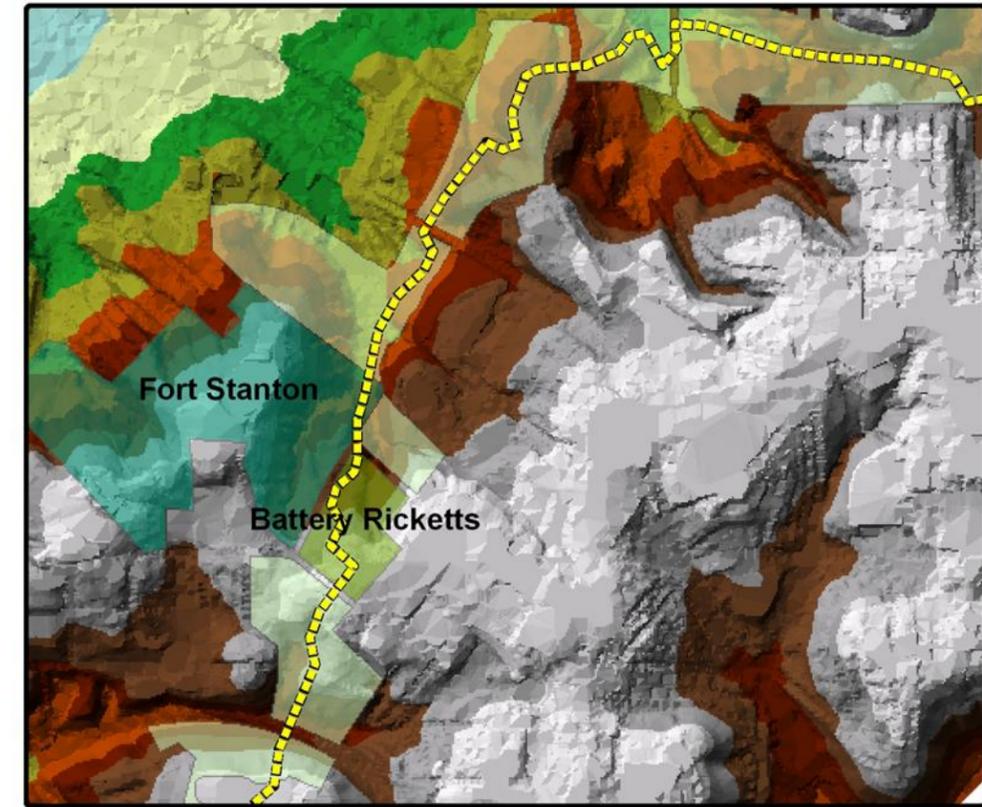
SLOPE



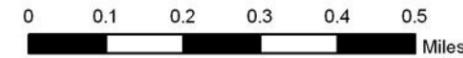
1 inch equals 1,000 feet

Legend

- 0-8% Gentle Slope
- 8-15% Moderate Slope
- 15-25% Steep Slope
- >25% Very Steep Slope
- NPS Proposed Trail



RELIEF



**Relief Map
Elevation**

- 261.733 - 291.990
- 231.477 - 261.733
- 201.220 - 231.477
- 170.963 - 201.220
- 140.707 - 170.963
- 110.450 - 140.707
- 80.193 - 110.450
- 49.937 - 80.193
- 19.680 - 49.937
- NPS Proposed Trail

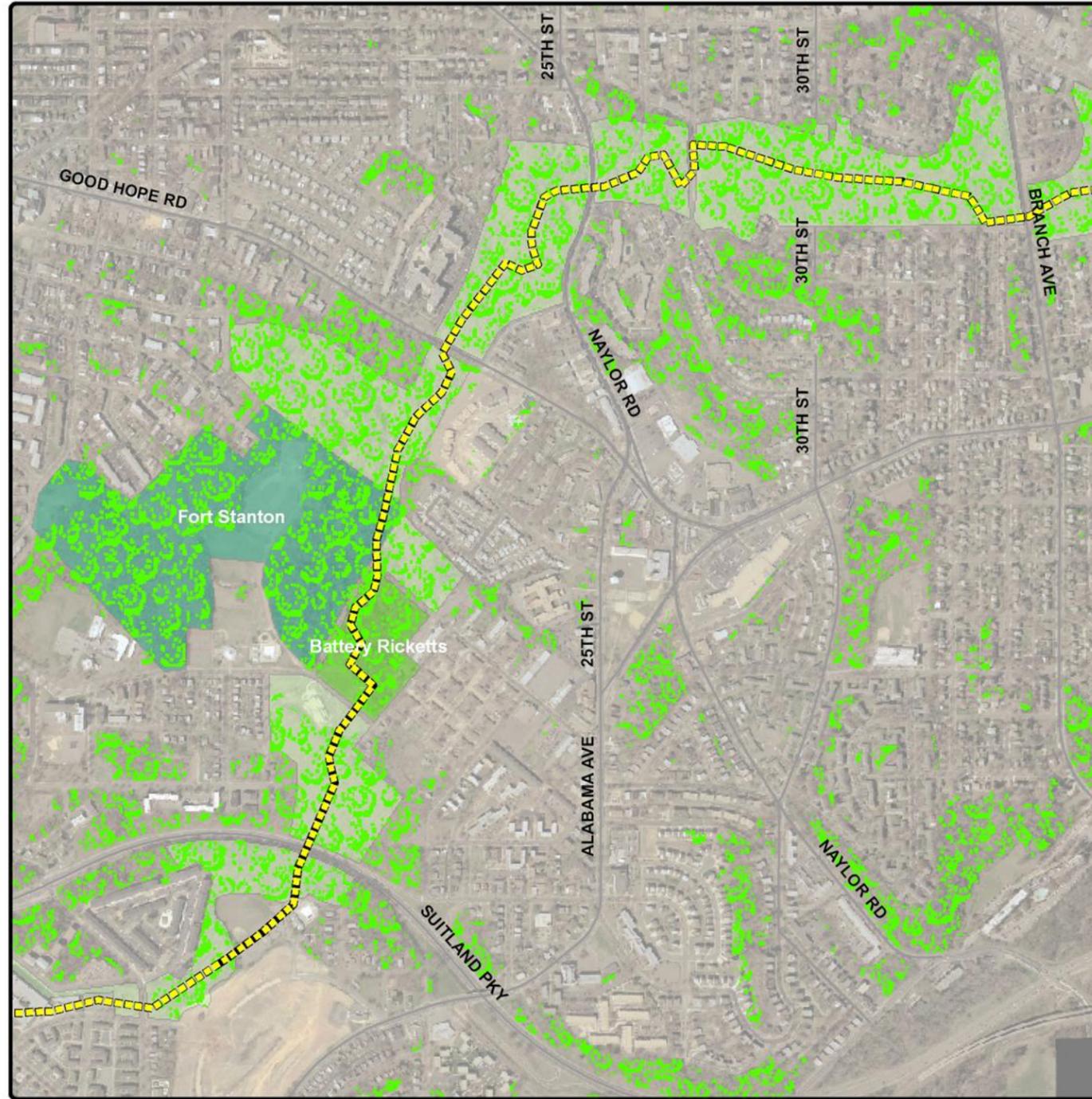
DESCRIPTION

Most of the Stanton Park Greenway neighborhood, especially along the proposed trail, is made up of slopes greater than 25%. The two forts, Fort Stanton and Battery Ricketts, have some of the most extreme slopes in the neighborhood. Fort Stanton also has the highest elevation in the neighborhood and one of the highest elevations in the city.

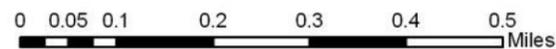
**FORT CIRCLE PARKS
GREENWAY**

WASHINGTON, D.C.





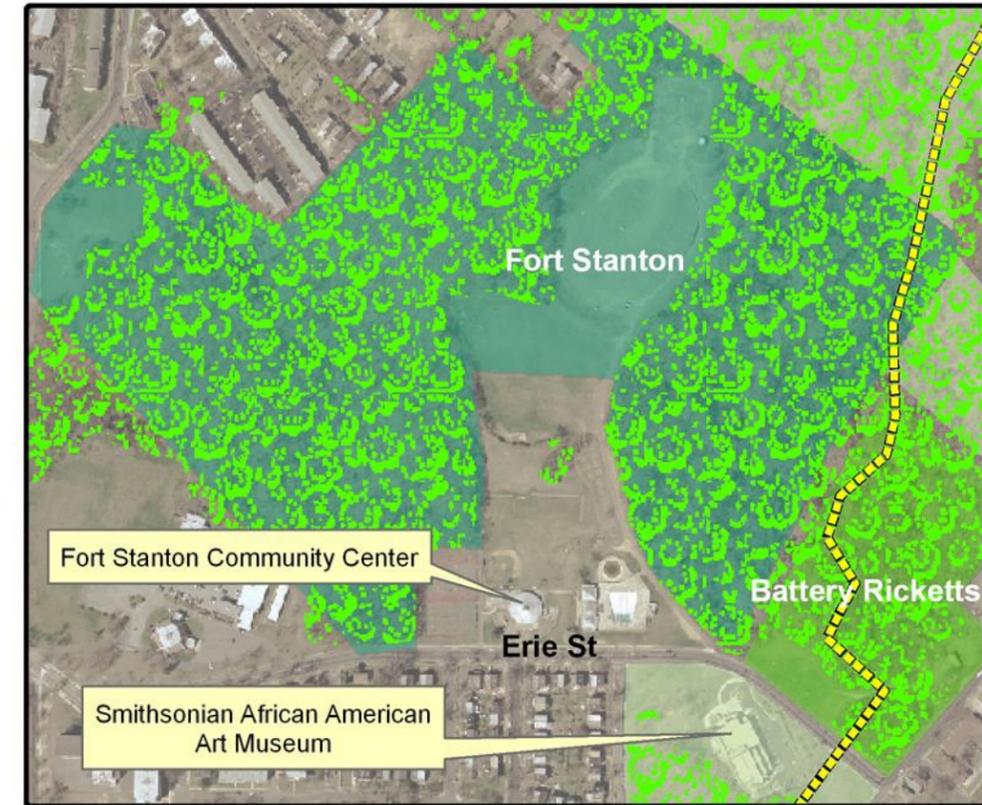
WOODLANDS



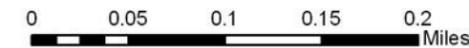
1 inch equals 1,000 feet

NPS Parks

- Battery Ricketts
- Fort Circle Park
- Fort Stanton Park
- Woodland
- NPS Proposed Trail

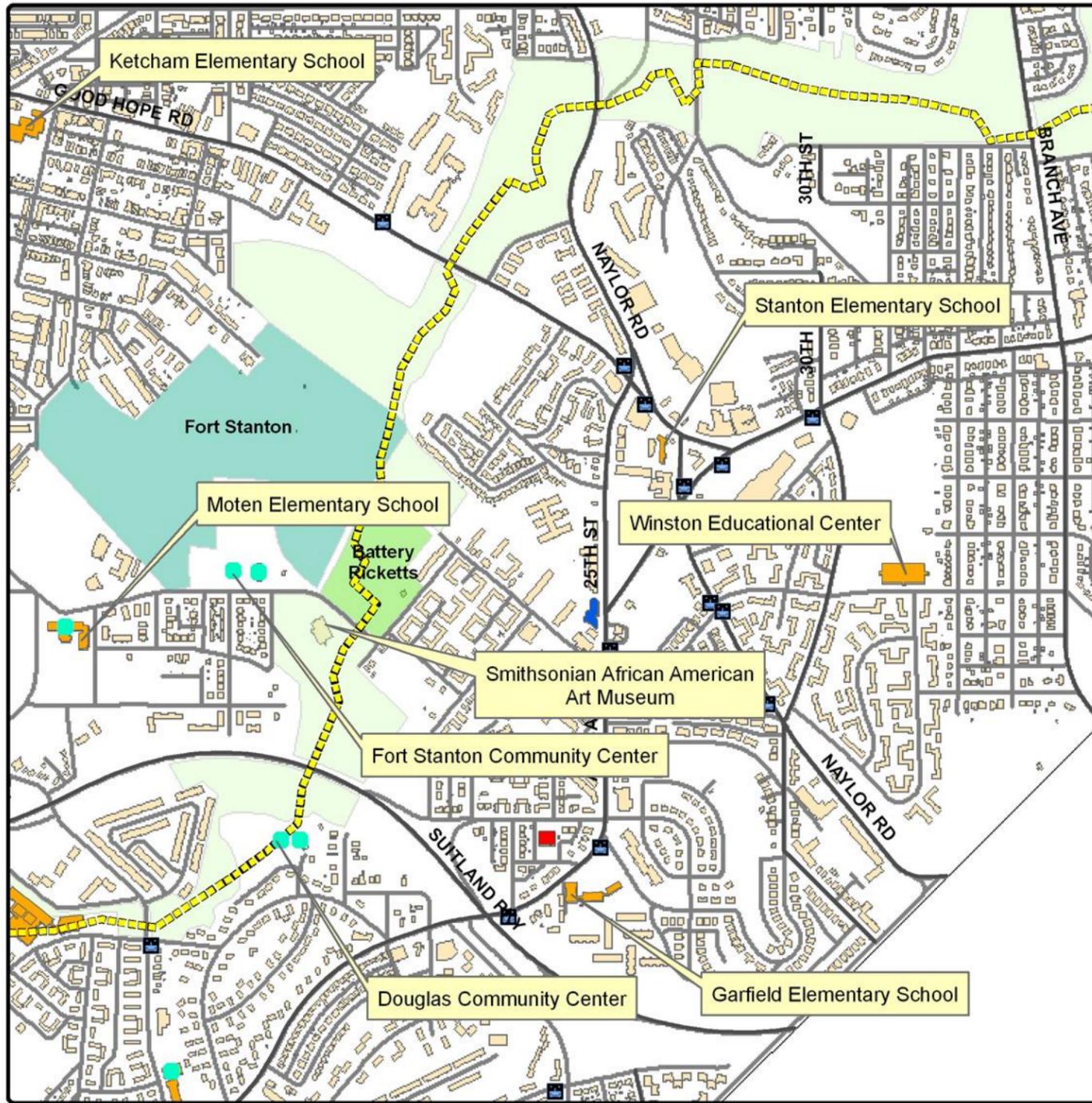


FOCUS MAP: FORT STANTON

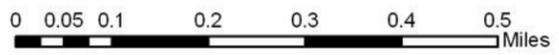


DESCRIPTION

Fort Stanton Greenway Neighborhood as a whole is not overly forested. There is, however, a substantial swath of woodland along the series of Fort Circle Parks that cut through the neighborhood. The largest mass of woodland occurs in and around Fort Stanton Park. Although the woodland in this area seems to be fairly substantial, the condition of the woodland is impaired by invasives.



BUILDINGS, STREETS, AND SIGNIFICANT CULTURAL FEATURES



1 inch equals 1,000 feet

- | | |
|--|---|
| NPS Parks | Legend |
| ■ Battery Ricketts | ■ Buildings |
| ■ Fort Circle Park | ■ Schools |
| ■ Fort Stanton Park | — Streets |
| — mjrstrs | ■ Police Station |
| ■ NPS Proposed Trail | ■ Fire Station |
| | ■ Recreation Facilities |
| | ■ Public Transportation |
| | ■ NPS Proposed Trail |



ZONING MAP



- | | |
|---|--|
| Legend | |
| ■ C-1 | ■ R-2 |
| ■ C-2A | ■ R-3 |
| ■ C-3A | ■ R-5A |
| ■ FED | ■ R-5B |
| ■ R-1B | |

DESCRIPTION

This neighborhood is almost entirely made up of residential uses, most of which is high density residential. Most of this is also lower income housing. This segment of the greenway intersects with two major roads, Suitland Parkway and Good Hope Road. It also intersects with several smaller roads. Within a half mile distance from the greenway are four schools and several recreational areas. Most public transportation access seems to be located off Good Hope Rd. Finally there is the Smithsonian African American Art Museum located directly across from Battery Ricketts.

FORT CIRCLE PARKS GREENWAY
WASHINGTON, D.C.



1. View of city from Fort Stanton Park



2. Fort Stanton Recreation Center



3. Fort Stanton Recreation Center



4. Fort Stanton Recreation Center



5. Football Field



6. Existing trail in Fort Stanton Park



LOCATION OF PHOTOGRAPHS

1 inch equals 1,000 feet



7. View of the Smithsonian from trail



8. Woodlands behind Smithsonian



9. Trail connecting Fort Stanton and Battery Rickets



10. View of typical housing from park

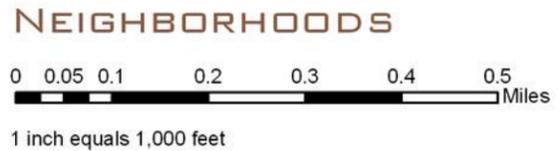
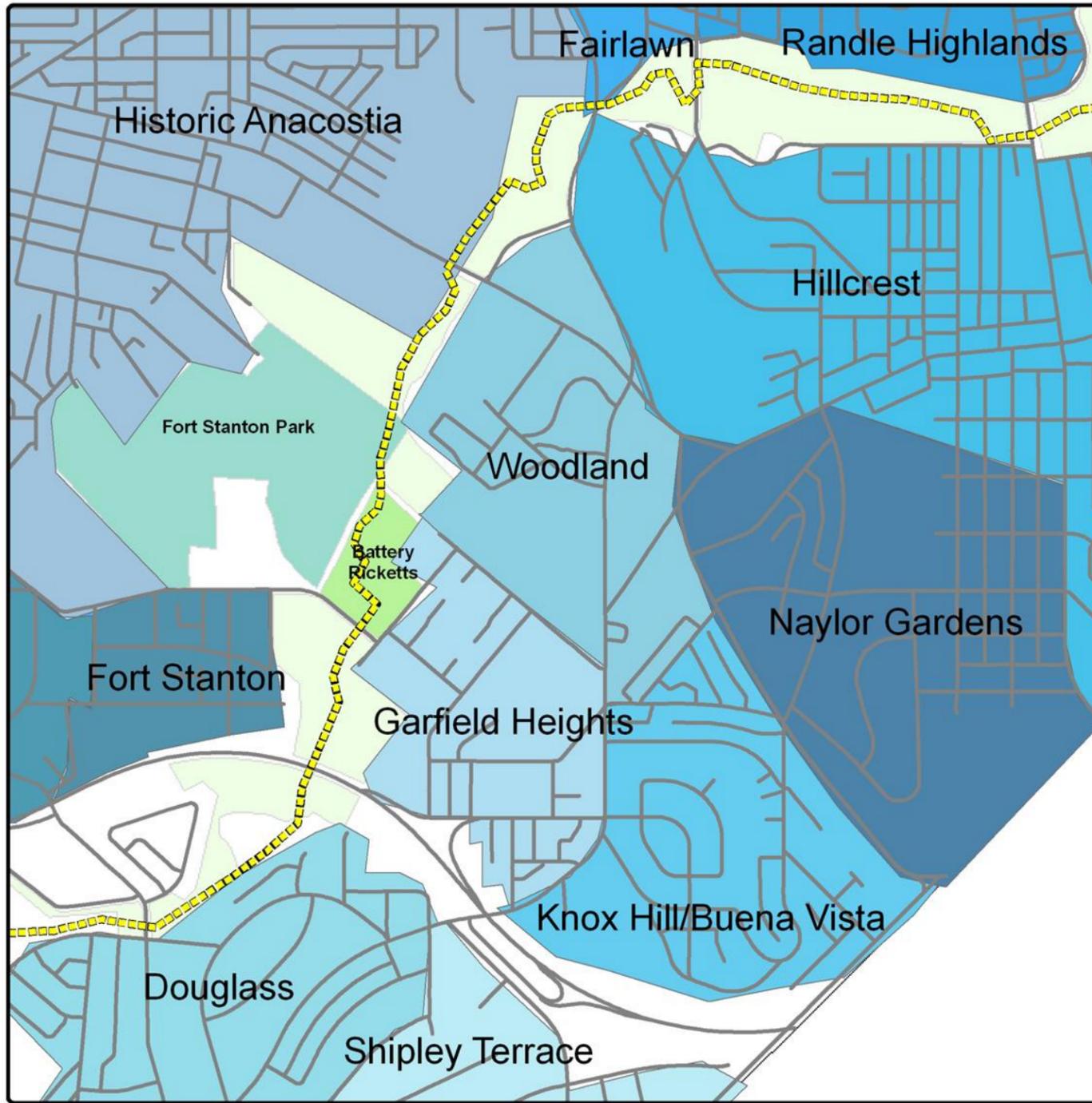


11. Battery Rickets Pavilion



12. Existing woodlands

PHOTOGRAPHIC INVENTORY



DESCRIPTION

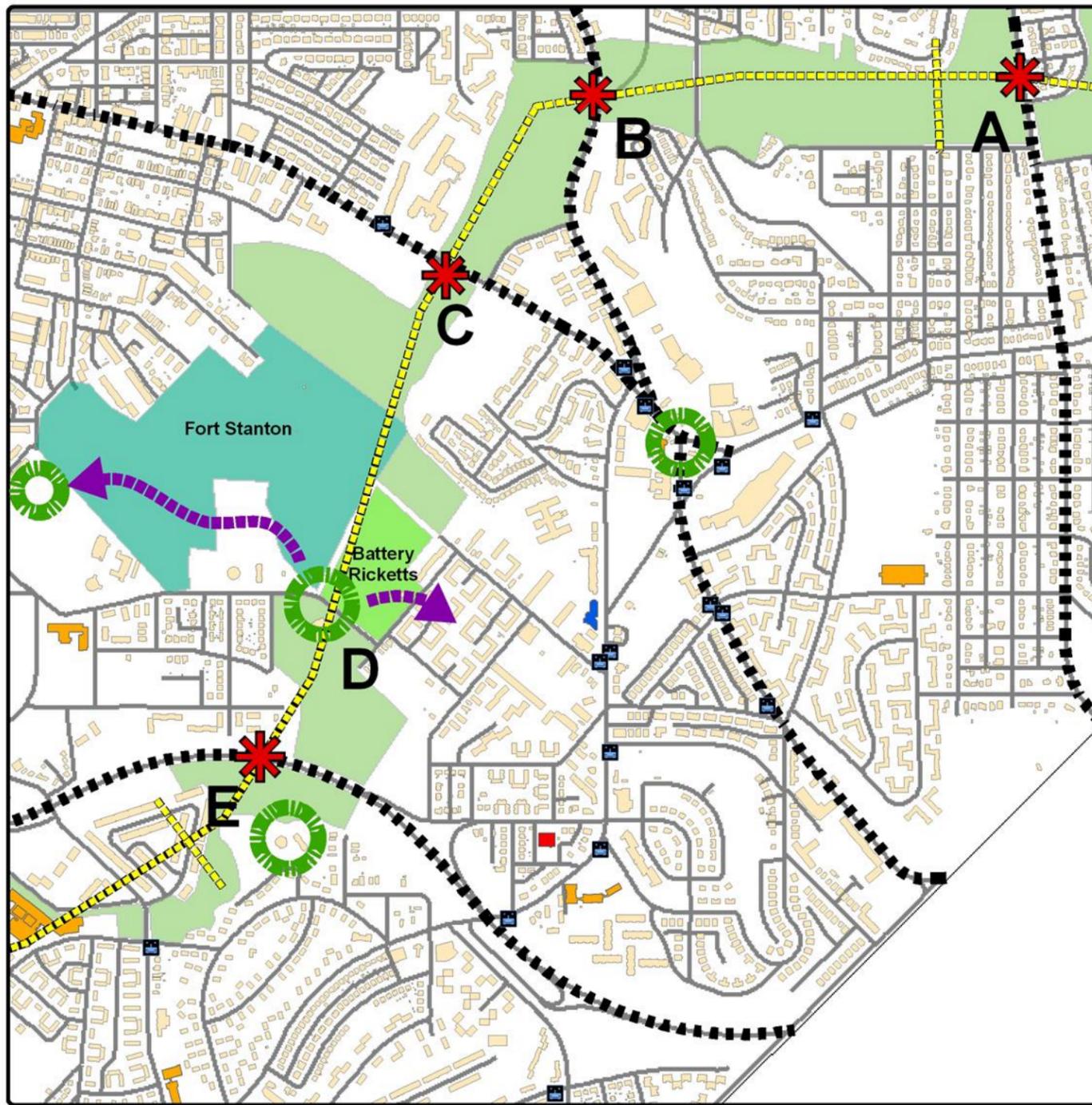
The neighborhoods in Fort Stanton Greenway neighborhood are very similar. They consist almost entirely of African American families. The percentage of children in these neighborhoods are very high compared to other parts of D.C. Children in such neighborhoods as Douglas and Garfield Heights make up over 40 percent of the population. This means the programming for this section of the Fort Circle Parks Greenway could heavily favor youth.

USER NARRATIVES

ELEMENTARY SCHOOL CHILD:
 I am a fourth grader at Moten Elementary. I have been using this new trail everyday to go to school and come home. I like it a lot because it is more fun to walk in the woods then on the street. Last weekend after school me and my friends played a huge game of capture the flag. It was the first time I ever played, but it was fun. We used the trail as base. I mostly use the section of trail right between my house and school, but I really want to see how far it goes in the other directions. Me and my friends will probably do that this weekend.

RETIRED TRAVELER:
 My husband and I just love this trail. We have both been retired for three years now and are finally getting a chance to get out and live life. For the past couple of months we have been traveling around the East Coast visiting different historical places, National Parks, and major trails. We had never been to the nation's capitol before so that made this experience a little more special. We walked a total of 12 miles of the trail. We had no idea how diverse the city was. It was told to us that at Fort Stanton there was an amazing view of the city which we stopped at, and it was nothing short of breath-taking. This greenway has really helped give us a good perspective of the city's character and history.

JOGGER:
 The opening of this greenway has been excellent for me. It is nice to have a safe place to go jogging off of streets. It always amazes me as when I am jogging this trail how much woodland we still have in this city. I hope we continue to preserve these places.



OPPORTUNITIES AND CONSTRAINTS

0 0.05 0.1 0.2 0.3 0.4 0.5 Miles
1 inch equals 1,000 feet

NPS Parks

- Battery Ricketts
- Fort Circle Park
- Fort Stanton Park

Legend

- Trail
- Schools
- Streets
- Police Station
- Fire Station
- Public Transportation
- Buildings



Opportunity/Point of Interest



Constraint



Connection

A

CONSTRAINT

Constraint exists in crossing four lane Branch Avenue.

OPPORTUNITY

Opportunity for a starting point for Fort Stanton Greenway Neighborhood.

B

CONSTRAINT

Constraint crossing two lane Naylor Road

C

CONSTRAINT

Constraint in crossing two lane Good Hope Road.

OPPORTUNITY

Opportunity as a great entry point onto greenway because of the number of bus stops in close proximity along Good Hope Road.
Opportunity for a connection to Winston Educational Center and Ketcham Elementary School.
Opportunity for a connection to neighborhood commercial center.

D

OPPORTUNITY

Opportunity to add a loop trail throughout Fort Stanton and Battery Ricketts.
Opportunity to connect to Moten Elementary School.
Opportunity to connect to Fort Stanton Community Center.
Opportunity to integrate Smithsonian African American Art Museum with greenway.

E

CONSTRAINT

Constraint in crossing four lane divided highway, Suitland Parkway.

OPPORTUNITY

Opportunity to connect to Douglas Community Center
Opportunity to end Fort Stanton Greenway Neighborhood and transition into Oxon Run Greenway Neighborhood.





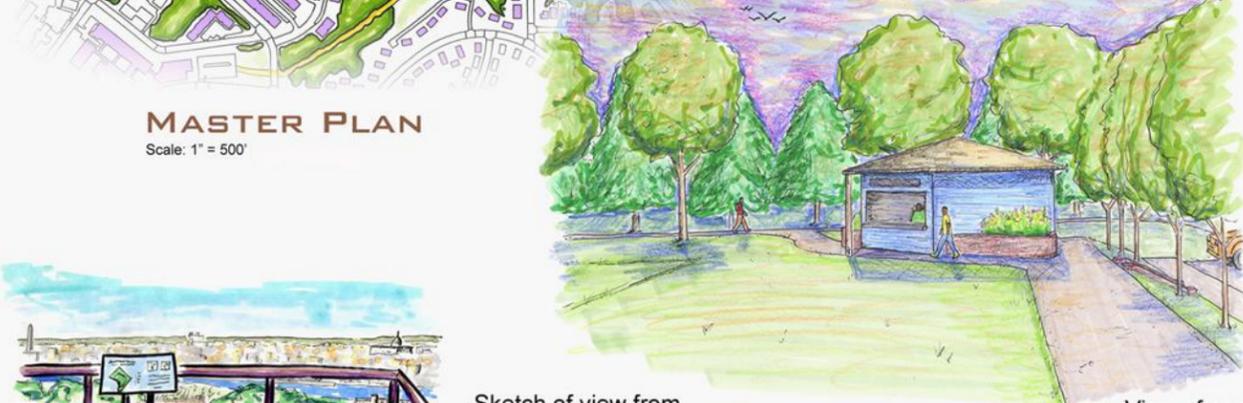
MASTER PLAN
Scale: 1" = 500'



View of refurbished sports field with lookout tower and Fort Stanton Park Trail in the background.



FORT STANTON PARK RECREATION FIELD AND LOOKOUT TOWER
Scale: 1" = 50'



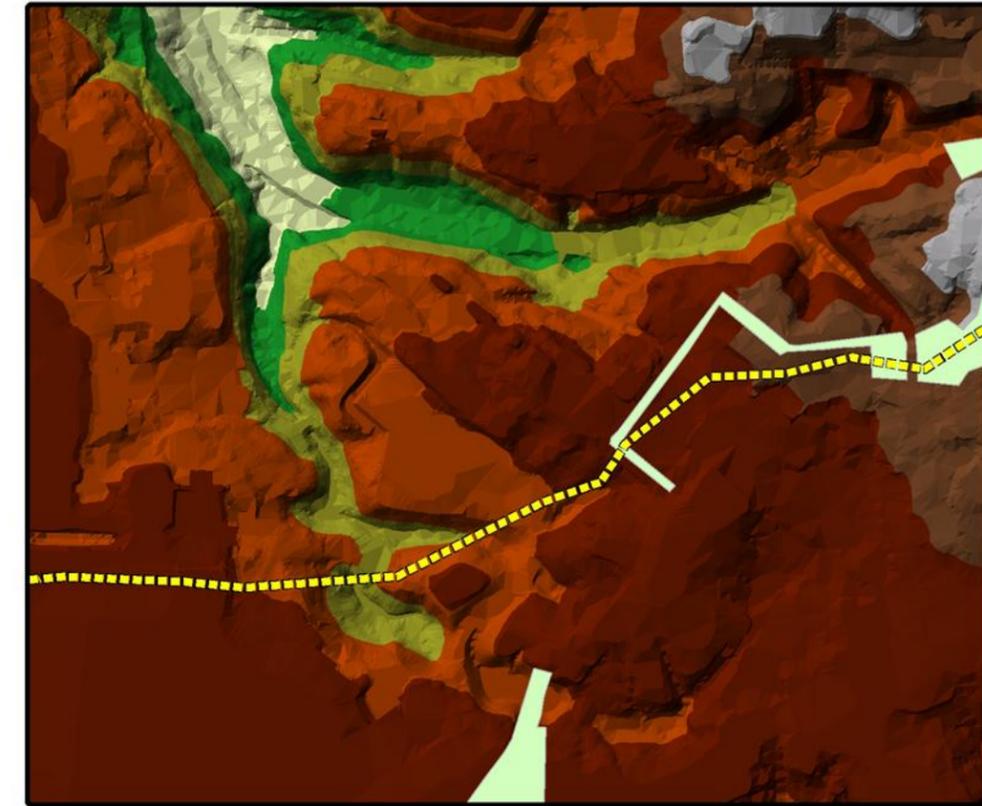
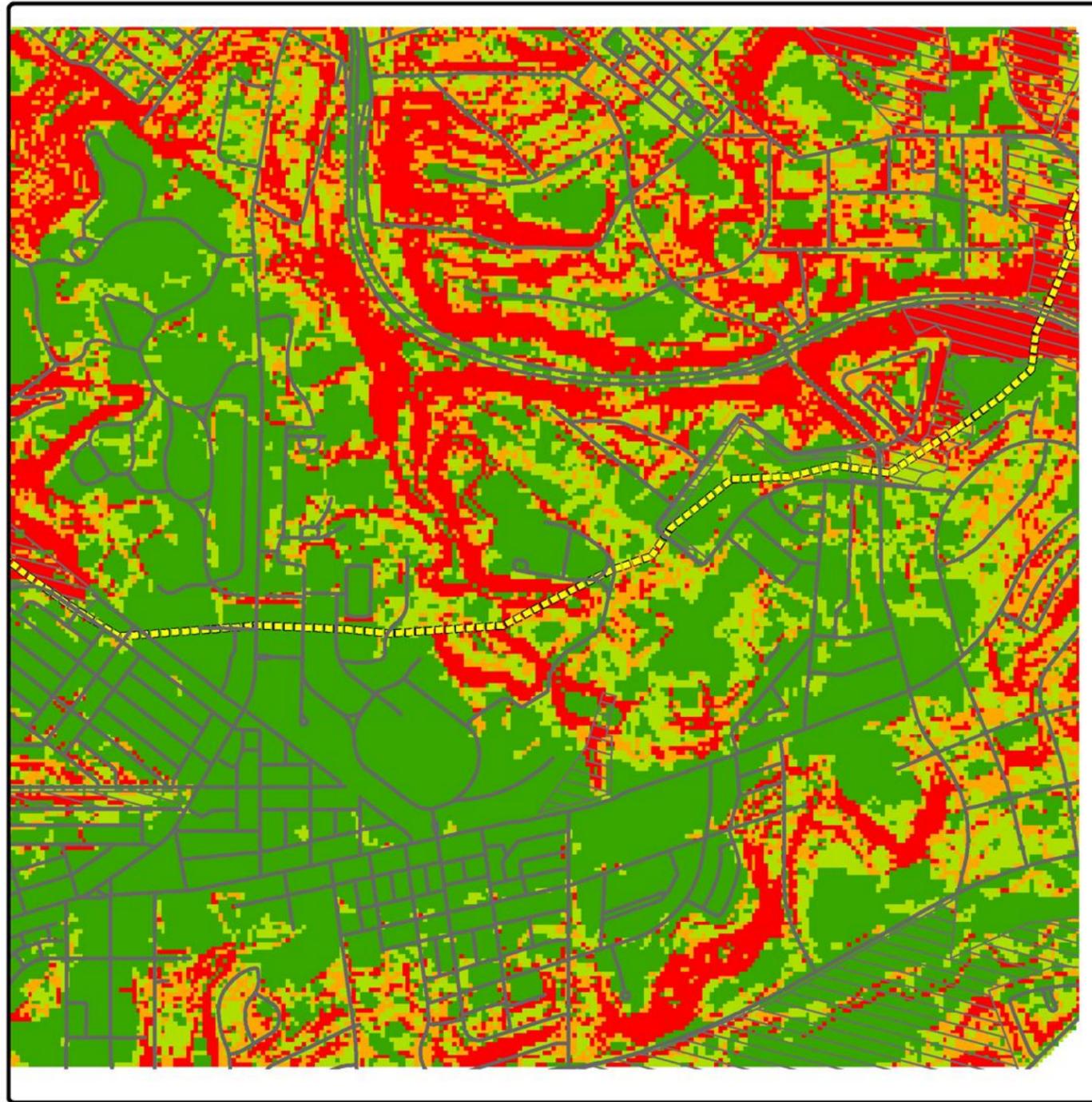
Sketch of view from lookout tower overlooking Washington DC.



View of concession stand which will be used for restrooms, information, and concessions for trail users and sports field users.



Section of Fort Stanton Recreation Field and Lookout Tower.



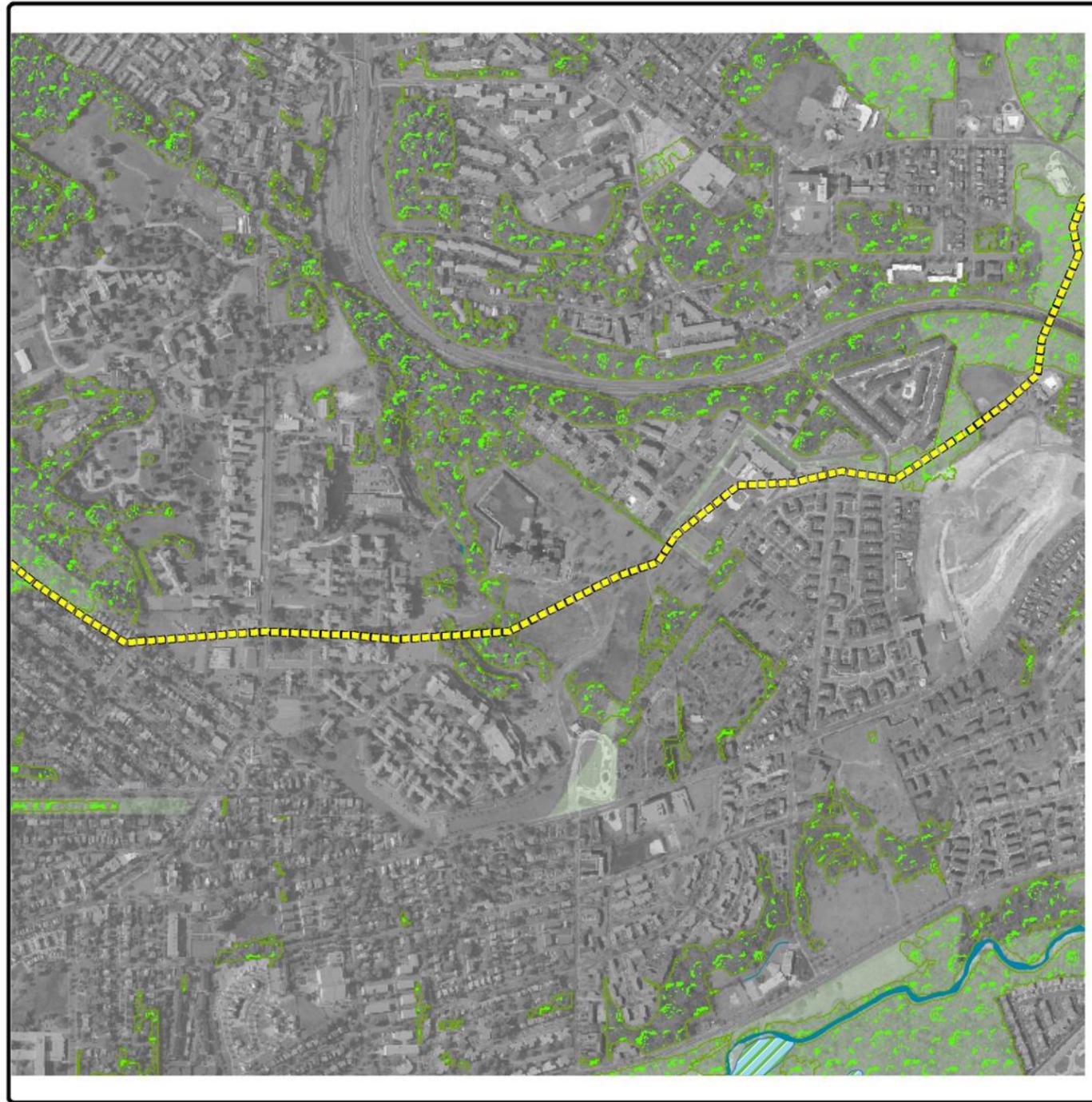
Legend

Elevation

253.717 - 282.150
225.283 - 253.717
196.850 - 225.283
168.417 - 196.850
139.983 - 168.417
111.550 - 139.983
83.117 - 111.550
54.683 - 83.117
26.25 - 54.683

DESCRIPTION

The proposed greenway trail leads across primarily gentle slopes.



WATER, WOODLANDS AND WETLANDS

0 0.125 0.25 0.5 Miles

1 inch equals 1,000 feet

- Greenway Trail
- NPS Park Area
- Wetland
- Woodland
- Water



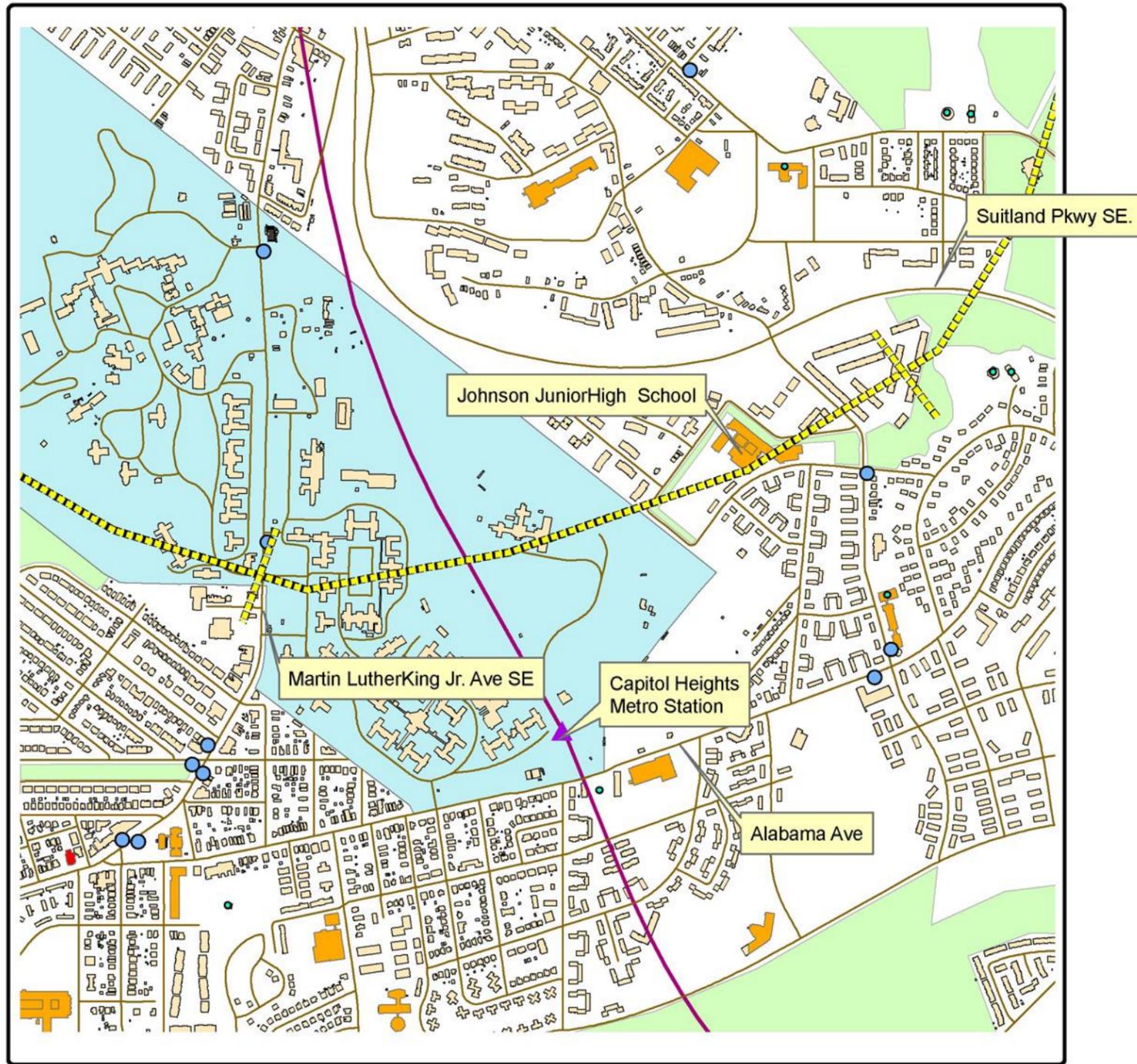
JOHNSON JUNIOR HIGH SCHOOL AREA

0 0.05 0.1 0.15 0.2 Miles

DESCRIPTION

The biotic features of the site indicate that much of the National Park Service land has a significant amount of woodland. The bodies of water and wetlands to the south may become accessible by a secondary trail.





BUILDINGS, STREETS, AND SIGNIFICANT CULTURAL FEATURES

0 0.125 0.25 0.5 Miles

1 inch equals 1,000 feet

- Greenway Trail
- NPS Park Area
- Metro Station
- Metro Line (Green)
- School
- Fire Station
- Police Station
- Recreation Fac
- Public Trans
- St. Elizabeth Hospital



ZONING MAP

0 0.1 0.2 0.3 0.4 Miles

Legend

ZONING

- C-1
- C-2-A
- C-2-B
- FED
- R-2
- R-3
- R-4
- R-5-A
- R-5-B

DESCRIPTION

The cultural inventory of the site indicates the quantity of schools in the area. Since approximately 40% of the population are children between the ages of 5 and 17 it is apparent why the abundance of schools is needed in this small area. The National Park Service land is adjacent with the edge of school properties. The convenience of the Green line metro intersects the site with a station in the Capitol Heights area.



1 Small park with pool



2 Field at small park



3 New housing development



4 Adjacent apartment complex



5 East side of focus area



6 West side of focus area



LOCATION OF PHOTOGRAPHS

0 0.125 0.25 0.5 Miles

1 inch equals 1,000 feet



7 Housing development under construction



8 Johnson Junior High School



9 Field at school



10 Cemetery adjacent to school

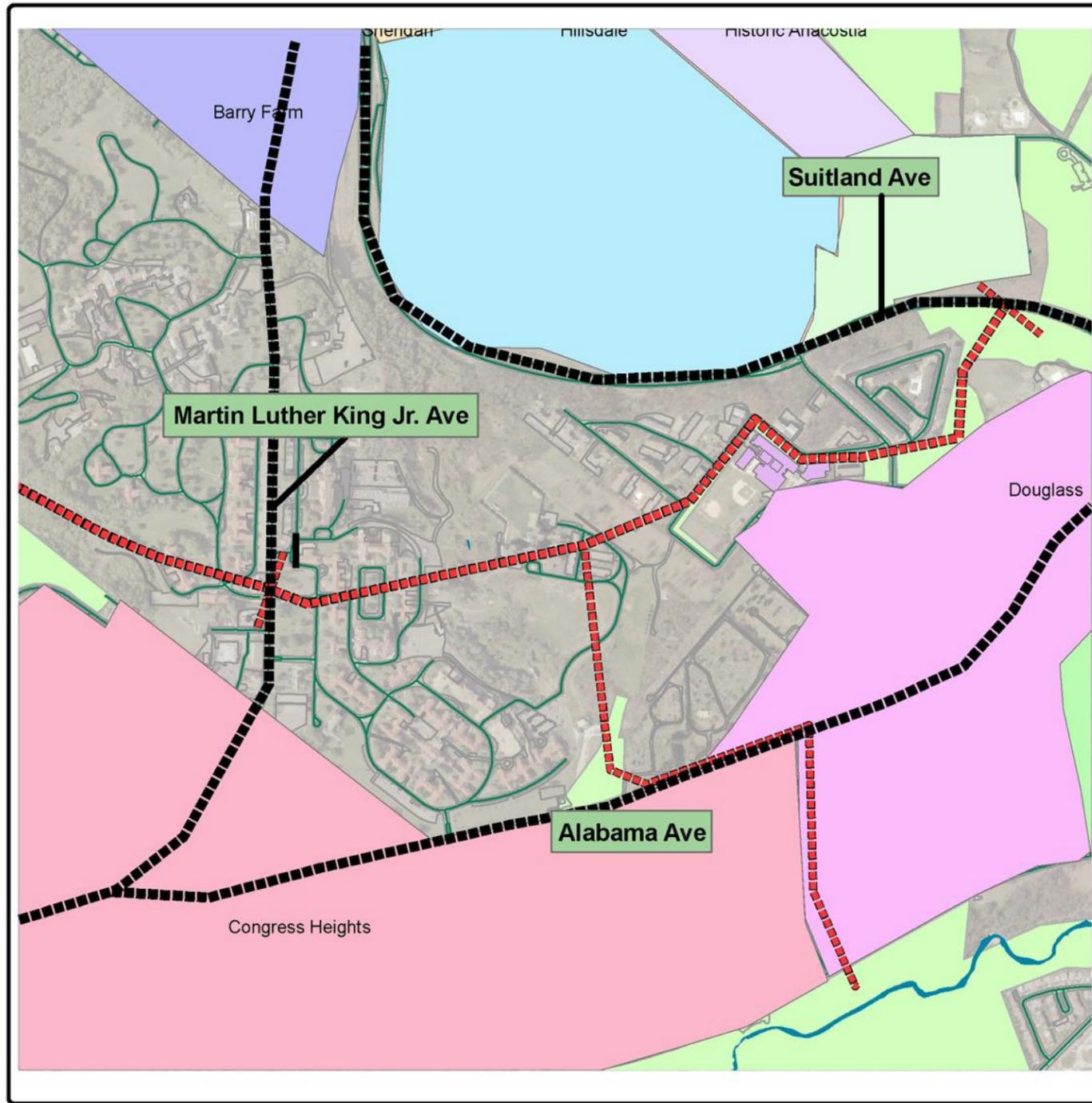


11 Capitol Heights Metro Station

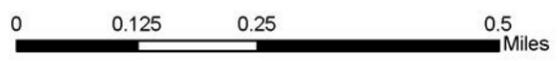


12 Saint Elizabeth Hospital





NEIGHBORHOODS



1 inch equals 1,000 feet

User Narratives

Child

Mom woke me up this morning at 6:30. I did not want to get out of bed and go to school today; I wanted nothing more than to just lay in bed all morning. I got up though and got dressed. I grabbed my book bag and went down stairs to the kitchen for breakfast. Cheerios, my favorite. Two bowls later and its getting close to 7:15, just when I have to get going to school. I said by to Mom and my little sister so I'm off down the street to meet up with the yellow brick road. That's what I always think of when I see the greenway trail. It takes me right up close to school or OZ and whenever I walk down the trail I always think of little people popping out from behind the trees singing "follow, follow, follow, follow, follow the yellow brick road." I see a lot of people on the trail in the mornings but the only people I know are Mrs. Thompson and Mrs. Derring. They walk here every morning and talk to each other as they drink there coffee. They're nice but they get on my nerves. "Hi Tommy" I hate when people call me that, "your getting so big and grown up to be walking to school all by your self."

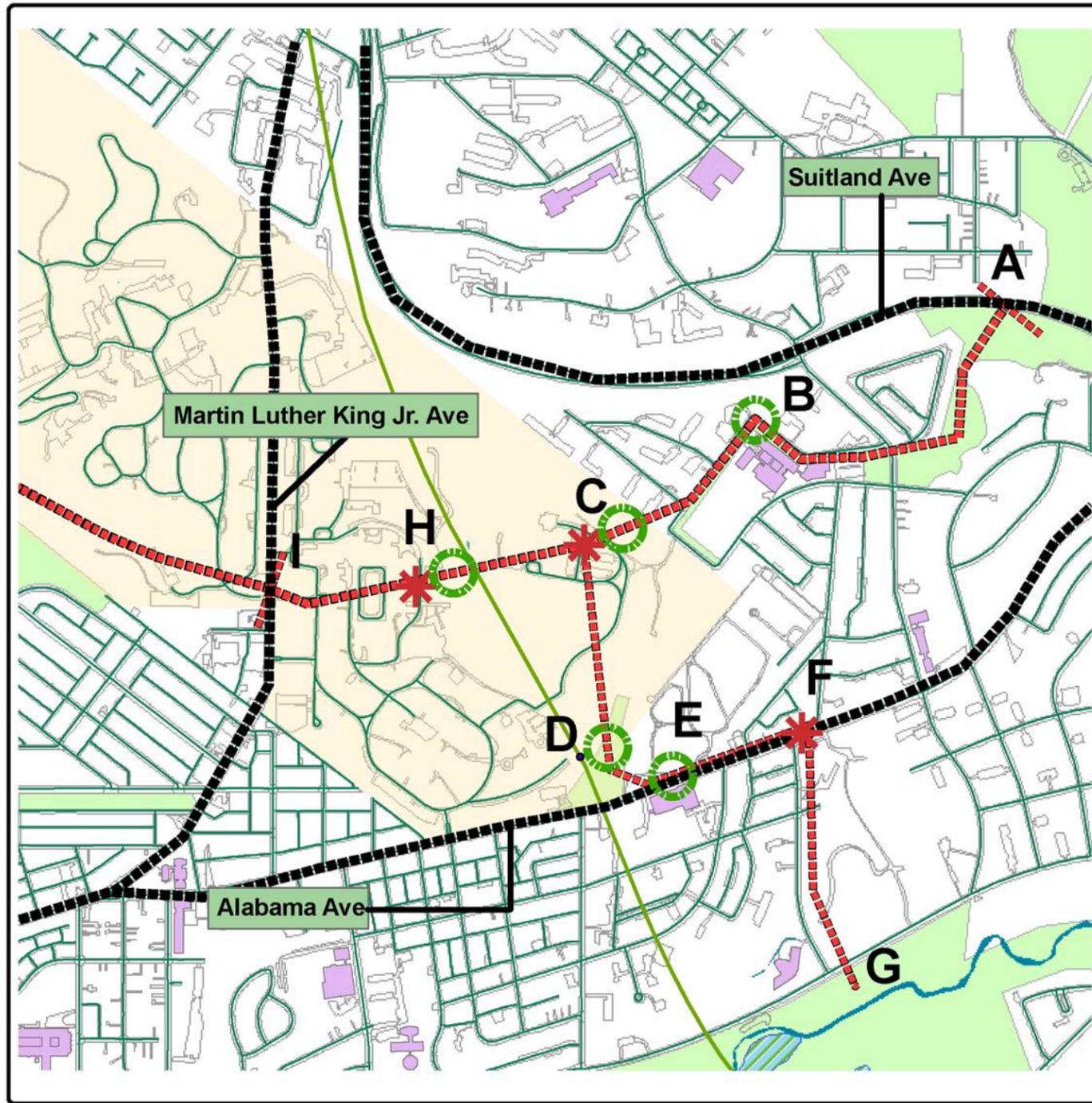
Occasional User

Well I'm just finishing the Saturday paper and its about 10:00. I was thinking today that I would go into the city and check this trail my neighbor Dan was telling me about. It sounds pretty nice as long as I stay on the north end from what he was saying. Yeah I think I will do that, I've got an afternoon to kill, might as well spend it out side since it will be nice out today. 11:00 ok I got my sneakers, a sweatshirt, sunglasses and cell phone that's it ready to go. 11:30 Well... Dan was right it is nice. The path seems to fit right in. I mean since being on it for an hour now I have flowed in and out of the busy city and it was just built not long ago. Its nice how I can walk through the park and its nice and peaceful but get into the city to buy that water I forgot. All on the same trail.

Hiker

I began my quest the prior month to conquer the Potomac Heritage Trail. Its day 31 and I am in Washington D.C. As I walk the Greenway I see the nature that I never realized was here in the city. The trail certainly does serpentine through the city. I have just crossed several major streets. Its pretty clearly marked with the signs posted ever mile or so. I like how when





OPPORTUNITIES AND CONSTRAINTS



1 inch equals 1,000 feet

A OPPURTUNITY

Suitland Avenue
Entering Oxon Run Greenway Neighborhood

B OPPURTUNITY

Johnson Junior High School
The trail follows along the property of the school which can bring many opportunities for the school in the future.

C OPPURTUNITY

Saint Elizabeth Hospital
At this point a secondary trail will branch from the main trail to connect to the Capitol Heights Metro Station and Oxon Run Park.

CONSTRAINT

If the Saint Elizabeth Hospital stays at the present location the trail may need to be routed around the hospital property changing the

D OPPURTUNITY

Capitol Heights Metro Station
The Metro Station brings many opportunities to the trail by making it more accessible, functional, and convenient to visitors.

E OPPURTUNITY

Malcolm X Elementary School
Another opportunity for a school to interact with the trail system

F CONSTRAINT

Alabama Avenue
Crossing the road may be challenging during times of the day when there is high

G OPPURTUNITY

Oxon Run Parkway

H OPPURTUNITY

Saint Elizabeth Hospital
Proposing to convert the hospital area to a university-like campus. The trail would continue through this area allowing it to become part of the campus.

CONSTRAINT

This section of the trail may not be able to intersect the Saint Elizabeth Hospital since it is a restricted access area.

I OPPURTUNITY

Destination of the Oxon Run Greenway Neighborhood
The trail will about the following neighborhood in the Shepard Parkway area at the Martin Luther King Avenue.



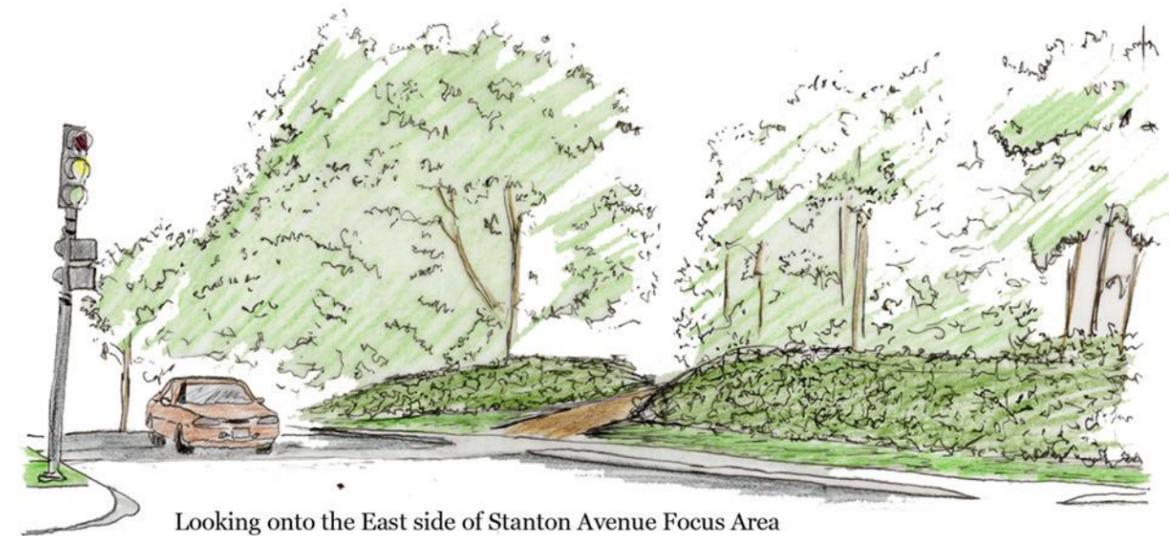
Master Plan
1" = 500'



Stanton Avenue Focus Area
1" = 60'



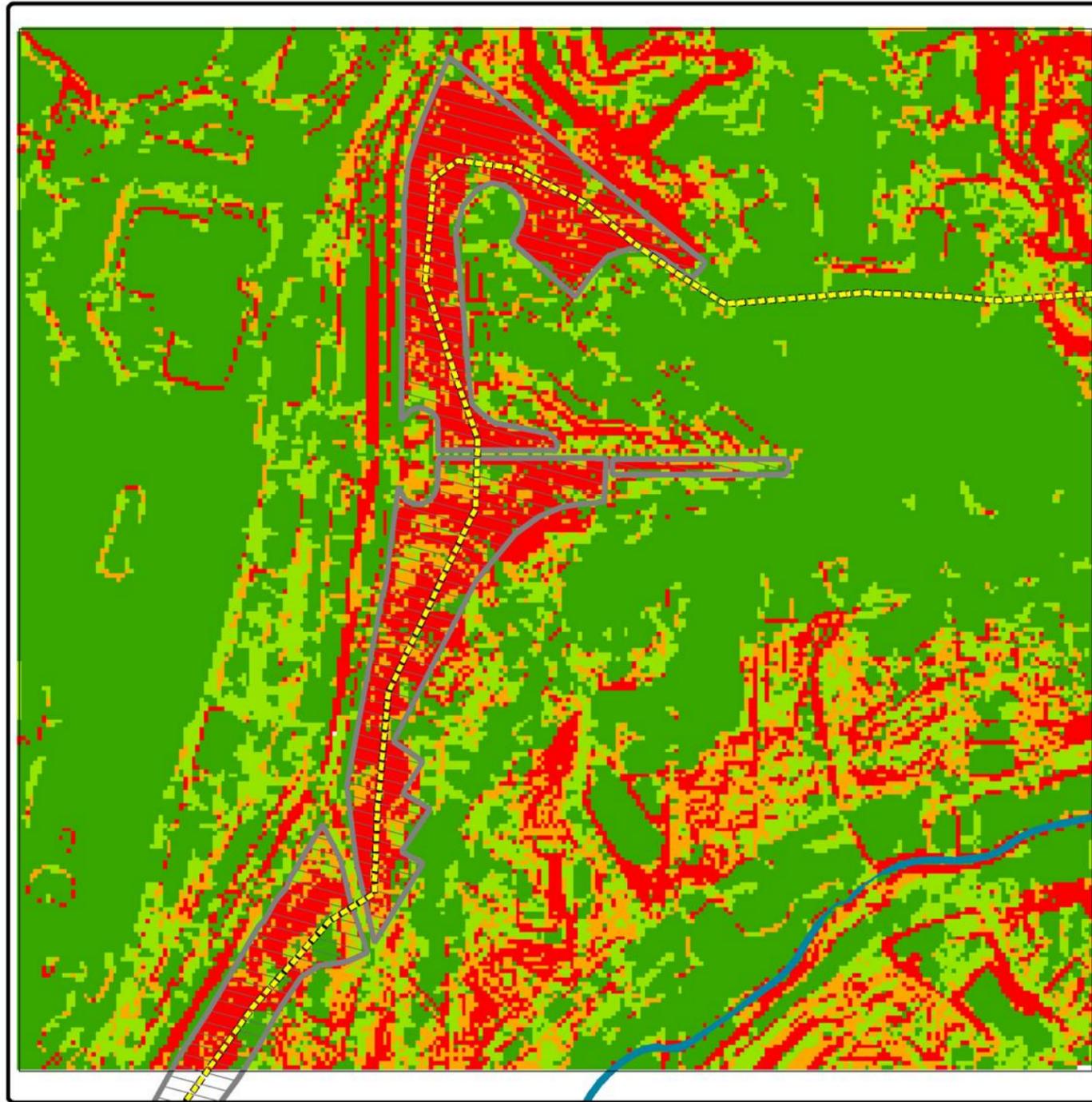
Approaching Basketball Court from the East



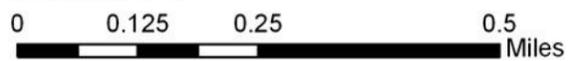
Looking onto the East side of Stanton Avenue Focus Area



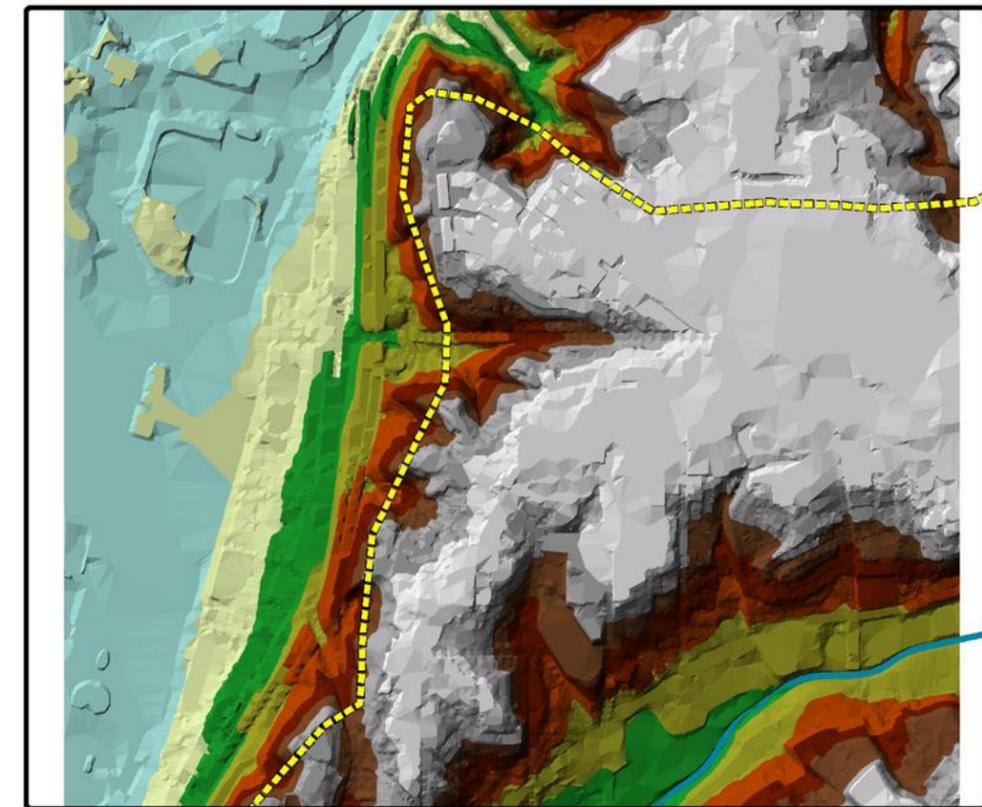
Stanton Avenue Focus Area
1" = 50'



SLOPE



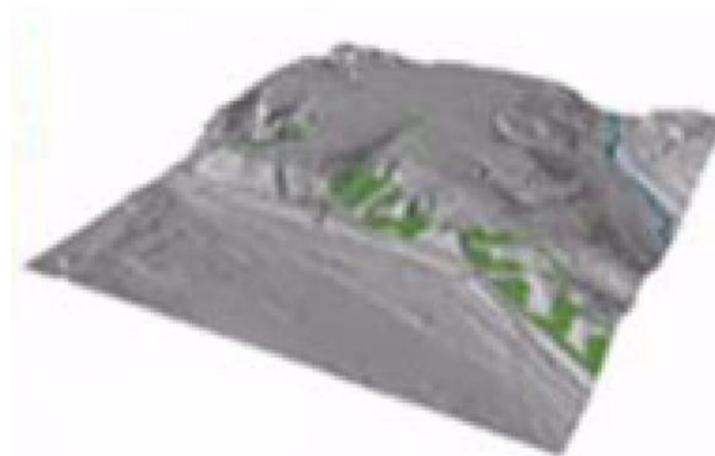
- Greenway
- NPS Land
- River
- 0 - 8% Gentle Slope
- 8 - 15 % Moderate
- 15 - 25% Steep
- >25% Very Steep



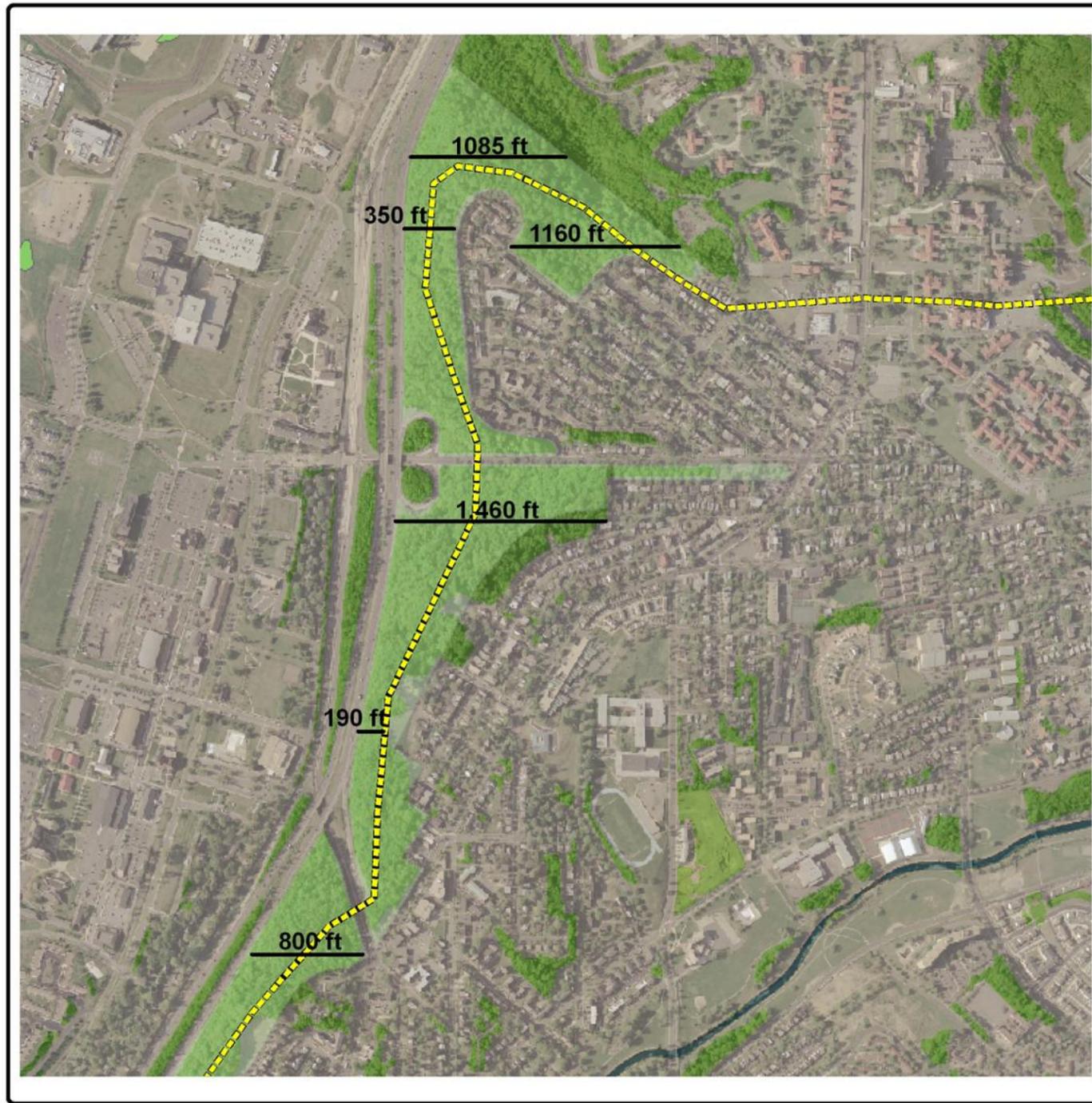
RELIEF



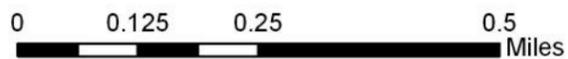
- Greenway
- River
- Elevation Ft.**
- 161.0 - 180.0
- 141.0 - 161.0
- 122.0 - 141.0
- 102.0 - 122.0
- 82.0 - 102.0
- 62.0 - 82.0
- 43.0 - 62.0
- 23.0 - 43.0
- 3.0 - 23.0



3D VIEW



WATER, WETLANDS & WOODLANDS



1 inch equals 1,000 feet

- Greenway
- NPS Land
- Wetlands
- Woodland
- River

SHEPHERD PARKWAY GREENWAY NEIGHBORHOOD



INTERSECTION OF MALCOLM X AVENUE AND SHEPARD PARKWAY



DESCRIPTION

The Shepard Parkway Neighborhood is one that borders a large strip of protected woodlands. The woodlands borders the parkway and are protected by the National Park Service. This patch consists of predominately native species such as red and white oak, tulip poplar, sweet gum along with a variety of maple, ash, beech and locust.

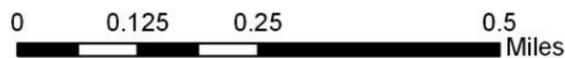
FORT CIRCLE PARKS

WASHINGTON, D.C. GREENWAY





BUILDINGS, STREETS AND SIGNIFICANT CULTURAL FEATURES



1 inch equals 1,000 feet

- Greenway
- NPS Land
- River
- Public Transportation
- Recreational Facilities
- Schools
- Bridges
- Police stations
- Fire stations



ZONING



DESCRIPTION

The Shepherd Parkway neighborhood consists of mainly residential and federal land. The main streets are Shepard Avenue, Martin Luther King Avenue, Alabama Avenue, Mississippi Avenue and South Capital Street. There is a high population of people under the age of 18 and therefore the neighborhood contains many schools including elementary, middle and high schools. There are two small commercial zones which run along Martin Luther King Avenue. Also along Martin Luther King Avenue are several stops for public transportation.

- Greenway
- C-1
- C-2-A
- FED
- R-2
- R-4
- R-5-A
- R-5-B





1. View of St. Elizabeth's Hospital from Martin Luther King Jr. Avenue



2. View of St. Elizabeth's Hospital from Lebaum Street



3. Scenic overlook at proposed focus area



4. View down 2nd Street towards proposed focus area



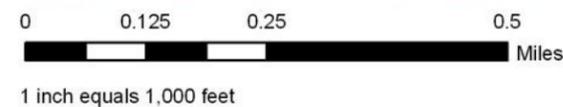
5. Overlook of Malcolm X Avenue from 2nd Street



6. View of the entrance to Malcolm X Avenue and National Park Service property from Shepard Parkway



LOCATION OF PHOTOGRAPHS



7. View of the crosswalk at the intersection of Malcolm X Avenue and 2nd Street



8. View down Malcolm X Avenue towards Shepard Parkway



9. View of existing playground at the intersection of Malcolm X Avenue and Martin Luther King Jr. Avenue



10. View of commercial buildings at the intersection of Malcolm X Avenue and Martin Luther King Jr. Avenue

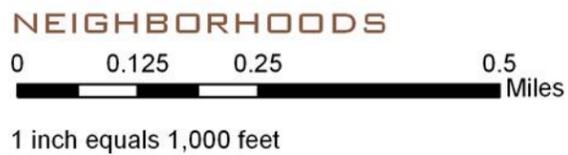
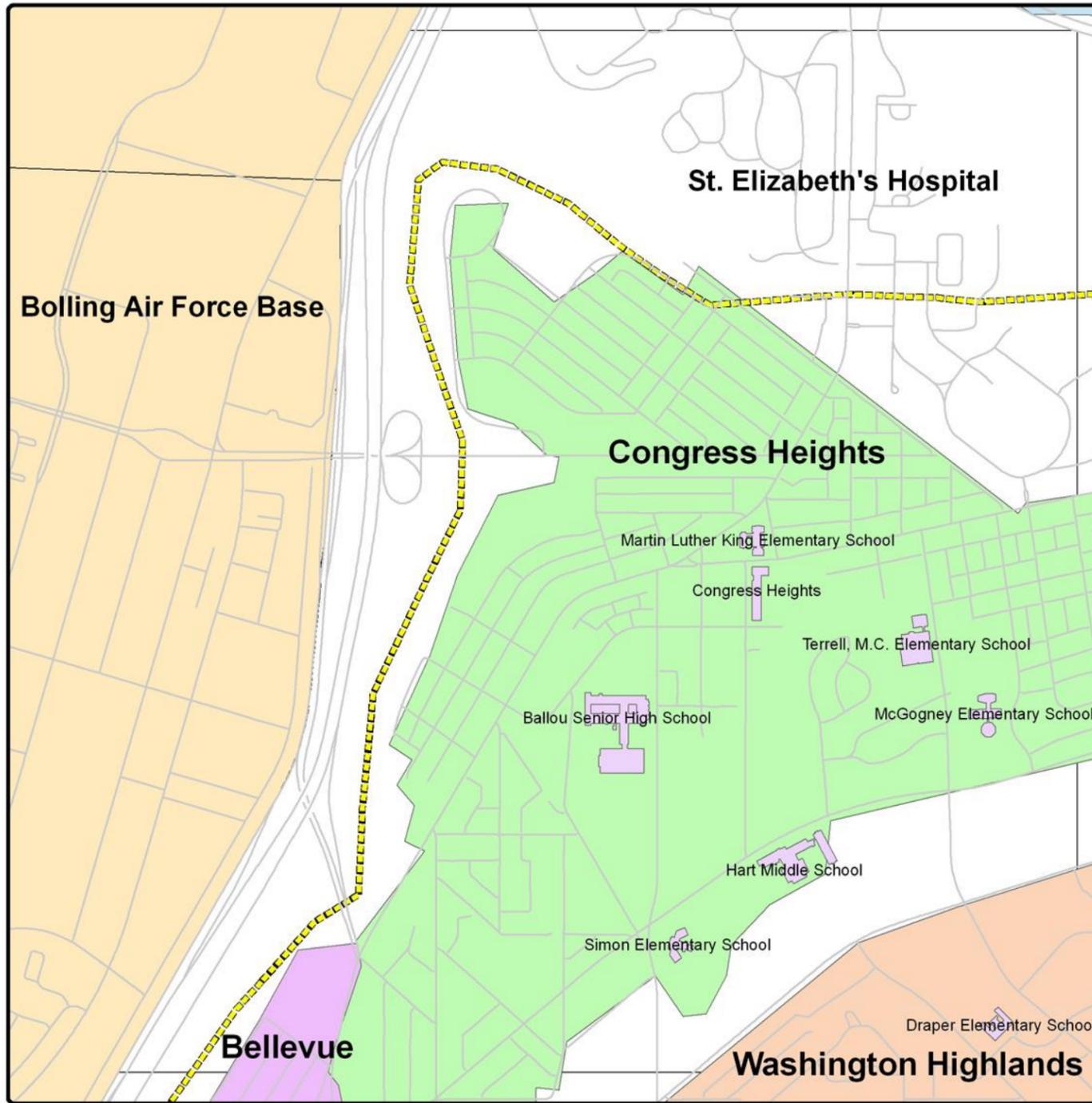


11. View of empty lot at the intersection of Martin Luther King Jr. Avenue and Alabama Avenue



12. View up Trenton Place towards Martin Luther King Jr. Avenue





- Greenway
- Bellevue
- Congress Heights
- Washington Highlands
- school polygon
- militarybase polygon

DESCRIPTION

The population of children under the age of 18 years old ranges from 28-41% of the total population of these neighborhoods. The majority of these children live in the Congress Heights neighborhood. The densest area for children under the age of 18 years old is located in the far east portion of Congress Heights. After speaking with several children from these neighborhoods, it is clear that there is a need for a safe, public location for children to gather and play. There are a couple of existing playgrounds. There is one at Martin Luther King Elementary School and one at the corner of Martin Luther King Avenue and Malcolm X Avenue. Both of these locations are known to be unsafe environments for children. A public park with a focus on children and safety is needed for these neighborhoods.

USER NARRATIVES

MILITARY PERSONNEL

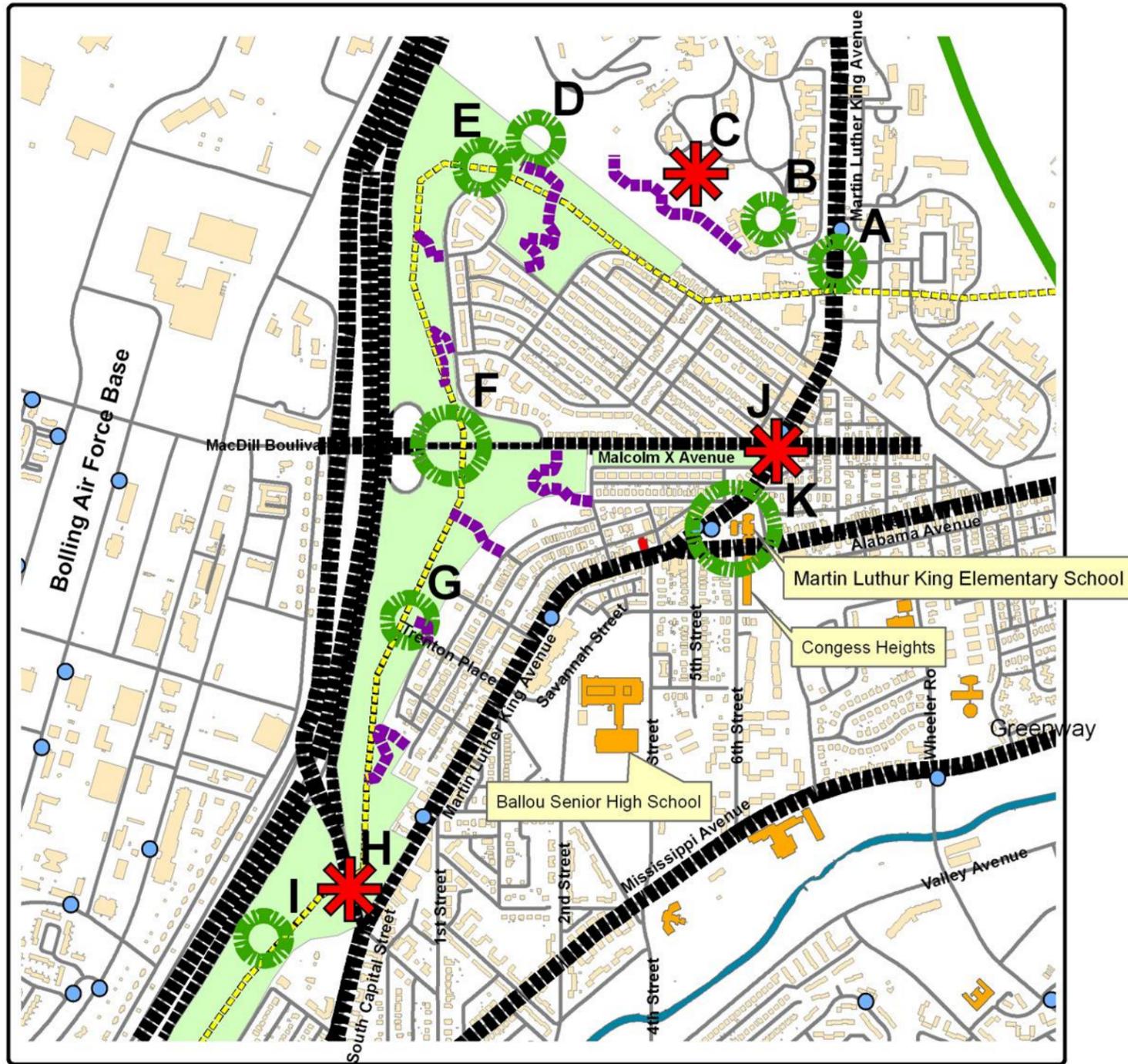
I am stationed at Bolling Air Force Base in DC. Every day we have a session of physical training. The session usually lasts about two and a half hours. Usually our unit does the routine circuit run around the base however, twice a week our commanding officer instructs us to run the "nature trail". Now this can be a drag sometimes because the run is typically twice as long as a normal run, however the scenery is much better, which actually makes the run more enjoyable. We also get a chance to experience some nature as we run south past Fort Greble.

JOGGERS

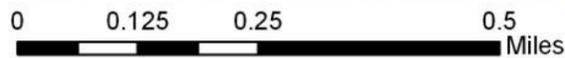
I live in the northern part of Bellevue. Our home is within walking distance to the Fort Circle Park Greenway. It is nice to be so close to this natural landscape. Most of the area around us is pretty urban and it is sometimes nice to be able to get away from the city life. This is what I do in the evenings. When I get in from work my neighbor Jack and I go for a light run. It's good to get out and get a little exercise, plus it makes my wife content so that she no longer complains about the weight I've gained since my college days. It feels much safer along the trail now that the park police have increased the number of mounted police officers. The extra street lights that they added along the trail also help to make it feel safer.

CHILDREN

After school day I think Billy, Sam and me are gonna head over to the fort and hang out some. I don't want to confuse you though. We're not going to that civil war fort down Shepard Parkway. We've been there before and it was kinda cool but it gets old if you go too often. No, we made our own fort. Its in the woods near my house. If you take the trail up past the pavilion and keep on going you'll run into our fort. We found a little cave that is indented into the steep slope of the hill. We also cut out some brush to make little rooms for each of us. We play here almost everyday but mom wants us to be home by 5 so that we can do our homework. This is our favorite place to hang out.



OPPORTUNITIES AND CONSTRAINTS



1 inch equals 1,000 feet

- Greenway
- River
- Schools
- Streets
- NPS Land
- Public Transportation
- Building
- Major Roadways
- Proposed Linkages
- Constraints
- Opportunities

- A Opportunity**
This location is the beginning of the Shepard Parkway Greenway and has an opportunity to connect to the Oxon Run Greenway at the intersection of Martin Luther King Avenue and Redwood Drive. This is also an opportunity to split the trail so that a portion goes down Martin Luther King Avenue.
- B Opportunity**
Here is an opportunity to travel through the proposed campus, along Redwood Drive to where it splits away at the corner of Redwood Drive and Persimmon Street. Here there is an opportunity to connect to a proposed public plaza.
- C Constraint**
A constraint occurs when the trail encounters steep slopes where it is oriented perpendicular to the contours. However there is also an opportunity to connect to a large, dense patch of woodlands.
- D Opportunity**
Here lies an opportunity for some kind of decorative gate where the trail leaves the proposed university campus and reenters onto National Park Service land.
- E Opportunity**
At this location the trail reaches an opening of relatively flat land. This is the highest elevation in this area along the trail and provides an opportunity for an overlook pavilion or community park.
- F Opportunity**
The crossing of Malcolm X Avenue allows for an opportunity to build a large pedestrian bridge, which would span the steep ravine and connect back to the trail. The bridge will also provide views towards Bolling Air Force Base in one direction and down Malcolm X Avenue towards Martin Luther King Avenue in the other. This is also an opportunity to reconnect to the Martin Luther King Avenue section of the trail.
- G Opportunity**
This site is an opportunity to connect to Ballou Senior High School at Trenton Place. This location would allow for a walk approximately 1/4 mile away from the high school.
- H Constraint**
South Capital Street has the potential to create a disconnect in the trail due to its heavy traffic load. The use of a crossing signal or pedestrian footbridge may be needed to cross this busy road.
- I Opportunity**
This location is the end of the Shepard Parkway Greenway and serves as an opportunity to connect to the Fort Greble: Congress Heights Greenway.
- J Constraint**
Here is a possible constraint where Martin Luther King Avenue and Malcolm X Avenue intersect. The use of a cross walk may be needed to cross these busy streets.
- K Opportunity**
Here lies great potential for several opportunities. First, there is an opportunity to connect to Martin Luther King Elementary School and Congress Heights, which will have a proposed renovations. There is also an opportunity for a park, plaza or memorial to honor the struggle for civil rights.



MASTER PLAN
SCALE: 1"=500'

Bolling Air Force Base

Focus Area

Congress Heights

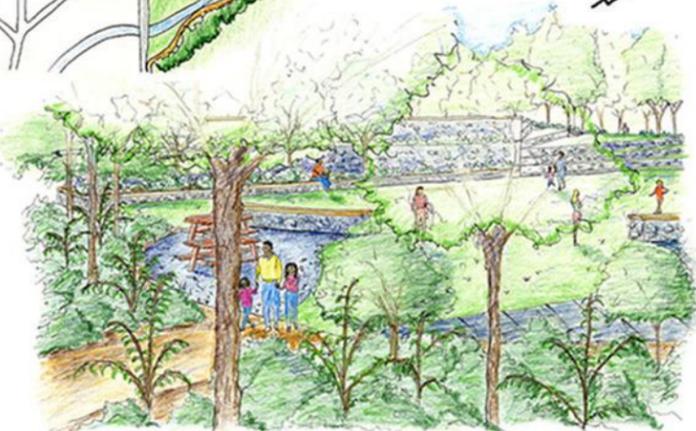
Malcolm X Ave

Alabama Ave

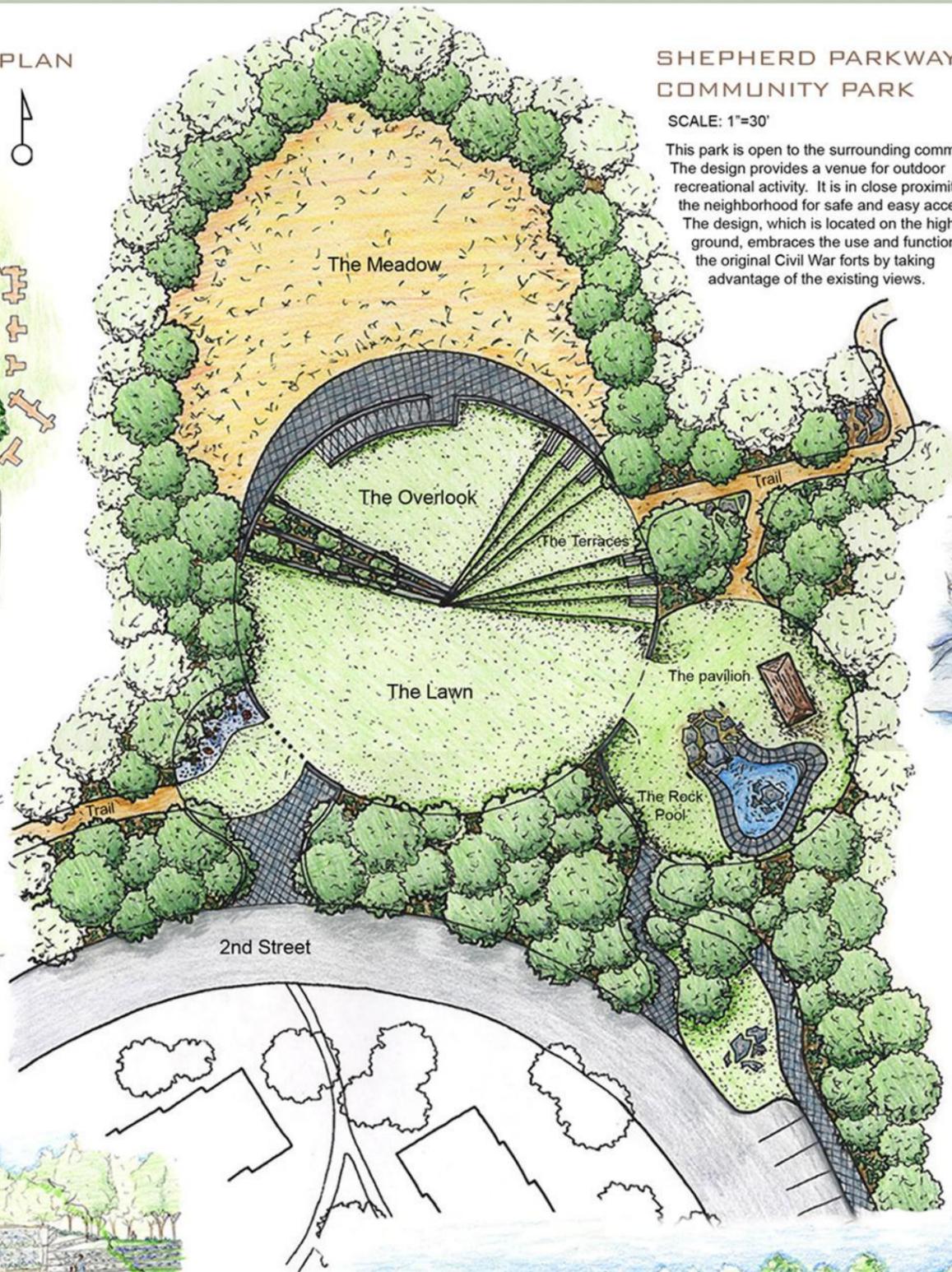
March Luther King Jr. Ave

INTRODUCTION

The Shepherd Parkway Greenway Neighborhood has no historic Civil War forts and so the design process looked inward to the existing neighborhood. A series of internal loops better connect the residents to the greenway. These loops, which are woven through urban landscape, give an opportunity for revitalization of the commercial district. This greenway is to be very accessible, while simultaneously providing a sense of community pride and public ownership.



VIEW OF THE PARK FROM THE SOUTH ENTRANCE OF THE TRAIL



SHEPHERD PARKWAY
COMMUNITY PARK

SCALE: 1"=30'

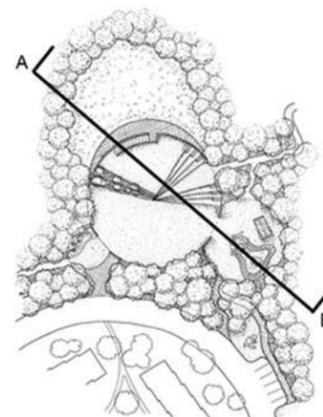
This park is open to the surrounding community. The design provides a venue for outdoor recreational activity. It is in close proximity to the neighborhood for safe and easy access. The design, which is located on the highest ground, embraces the use and function of the original Civil War forts by taking advantage of the existing views.



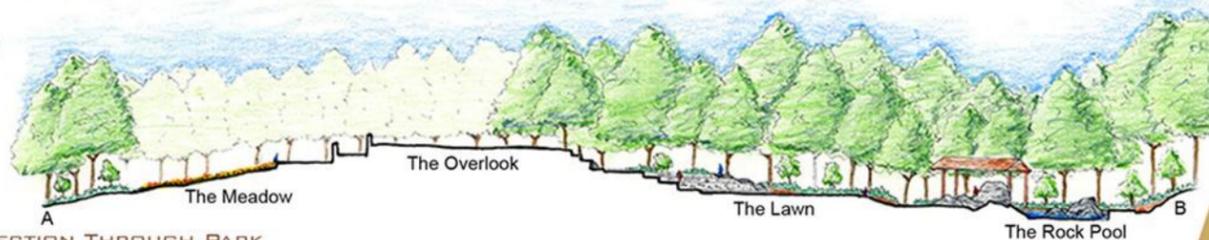
EXISTING VIEW OF OVERLOOK



VIEW OF ROCK POOL AND PAVILION



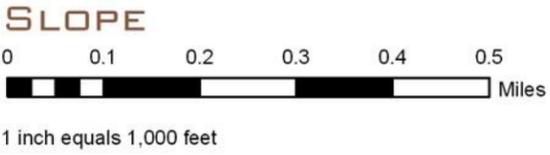
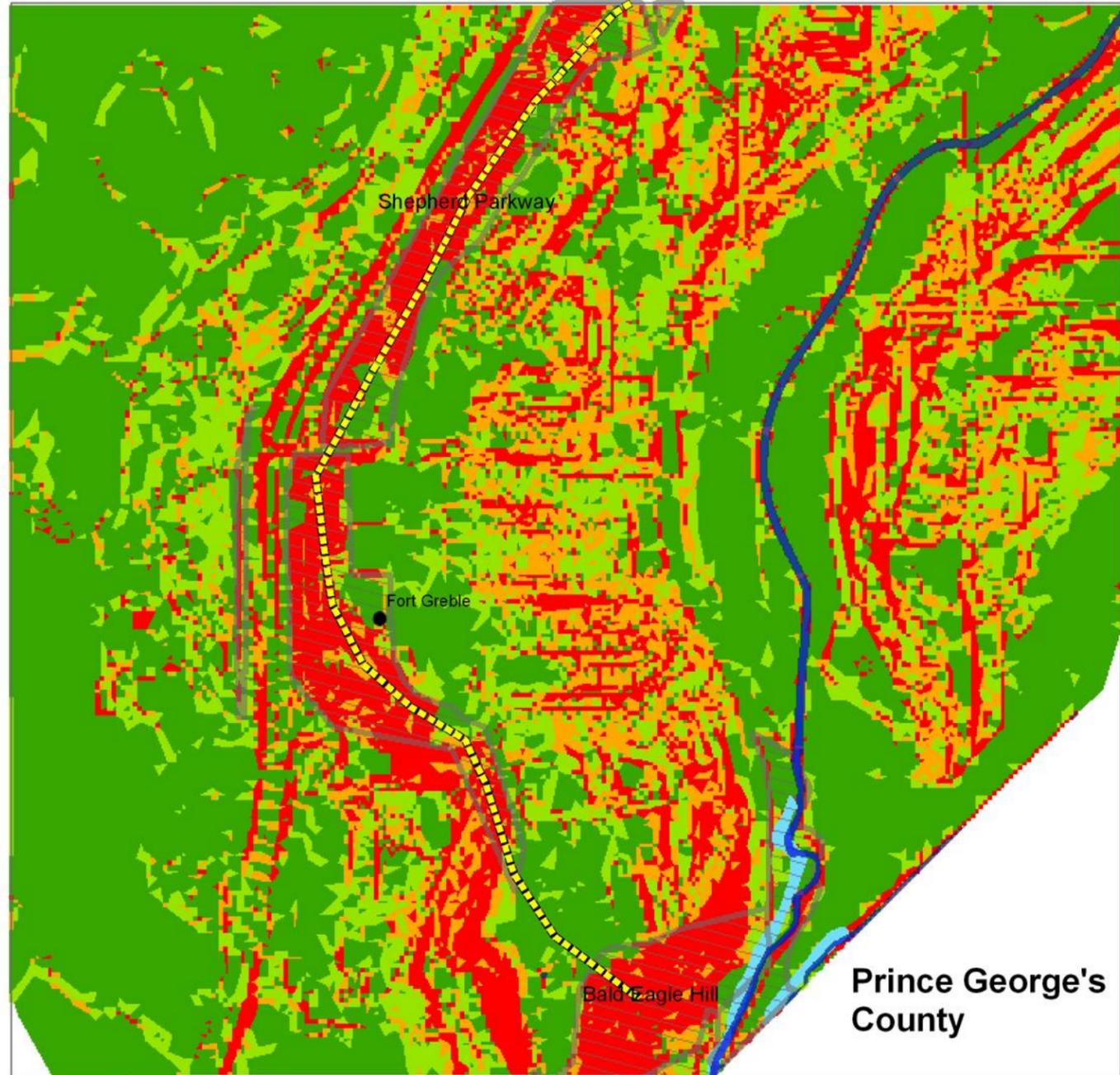
SECTION LINE



SECTION THROUGH PARK
SCALE: 1"=30'

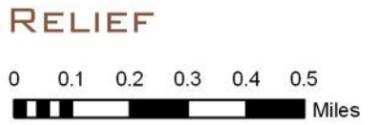
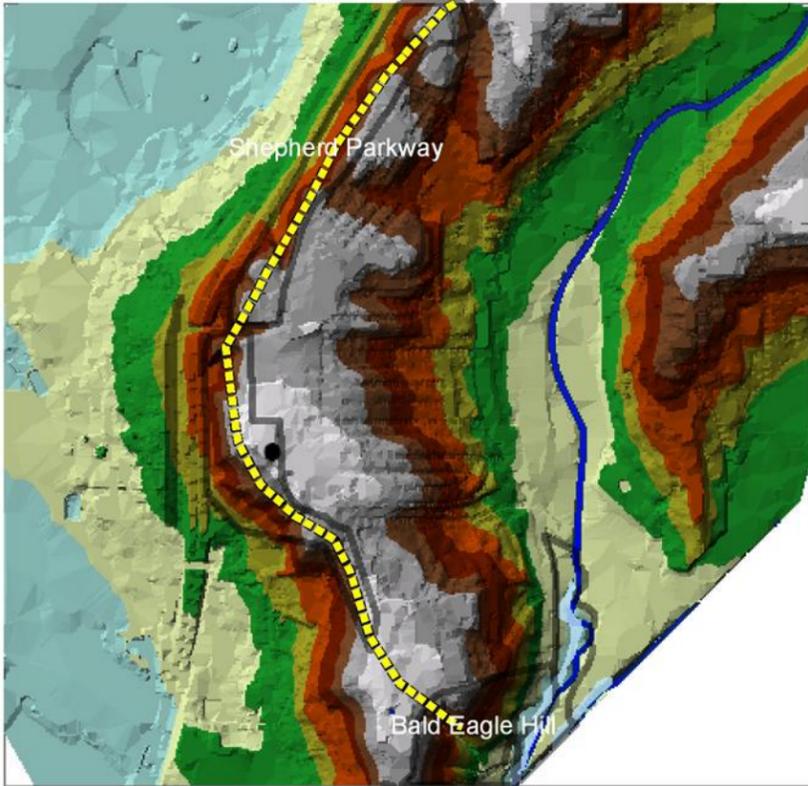
FORT CIRCLE PARKS
GREENWAY

WASHINGTON, D.C.



- NPS Property**
- NPS Property
 - Greenway Trail
 - Water Bodies
 - Wetlands
 - 0-8% Gentle
 - 8-15% Moderate
 - 15-25% Steep
 - >25% Very Steep

FORT GREBLE:
BELLEVUE GREENWAY NEIGHBORHOOD



DESCRIPTION

Fort Greble is located within the Shepherd Parkway - one of the National Parks in the Southwest Washington, DC area.

The slope map displays the majority of the developed land as being relatively flat with a slope ranging between 0 and 8%. However, the area for the proposed greenway is very steep. This becomes a concern and constraint for the proposed Greenway Trail. Land with a slope greater than 25% exists east of Shepherd Parkway. Flat areas exist at the top of the steep slope.



WATER, WETLANDS AND WOODLANDS



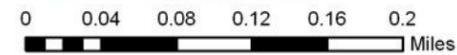
1 inch equals 1,000 feet

- Fort Greble
- Greenway Trail
- DC Trails
- Pond
- River
- Wetlands
- Woodlands
- NPS Property
- Bald Eagle Hill
- Shepherd Parkway

FORT GREBLE:
BELLEVUE GREENWAY NEIGHBORHOOD



FORT GREBLE



DESCRIPTION

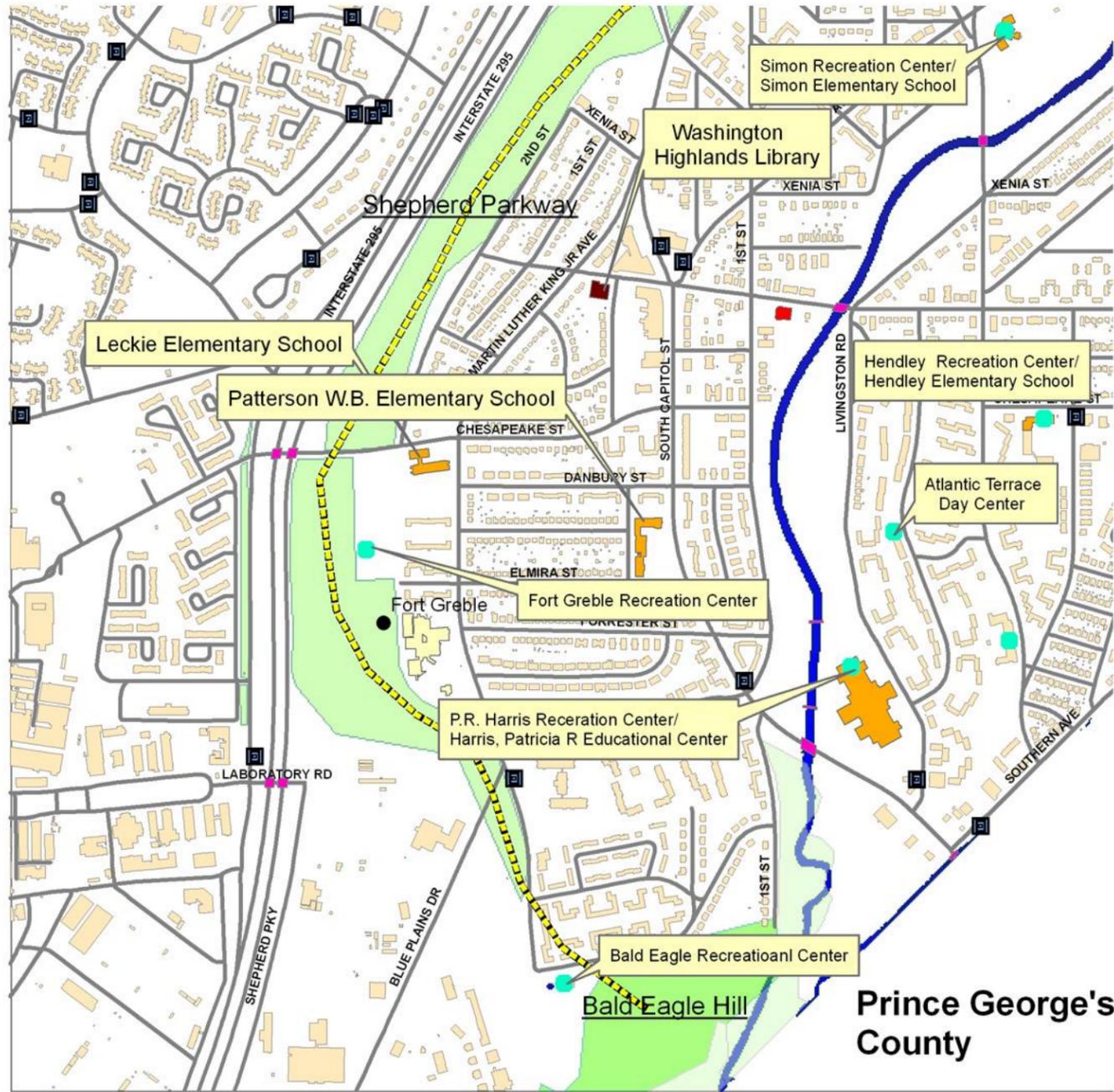
The last portion of the trail is adjacent to Shepherd Parkway and Bald Eagle Hill.

The proposed trail runs through a very linear wooded area. However the existing woods are not well maintained. Most of the trees are in a fairly poor condition. There are some invasive species within the mature forested area. The existing trails are overgrown.

The site is also adjacent to Oxen Hill Creek which has a high visual and aesthetical quality. The Washington D.C. trail system is located along Oxen Hill Creek

There are also a few wetlands that are seasonally flooded located in Oxen Hill Creek.



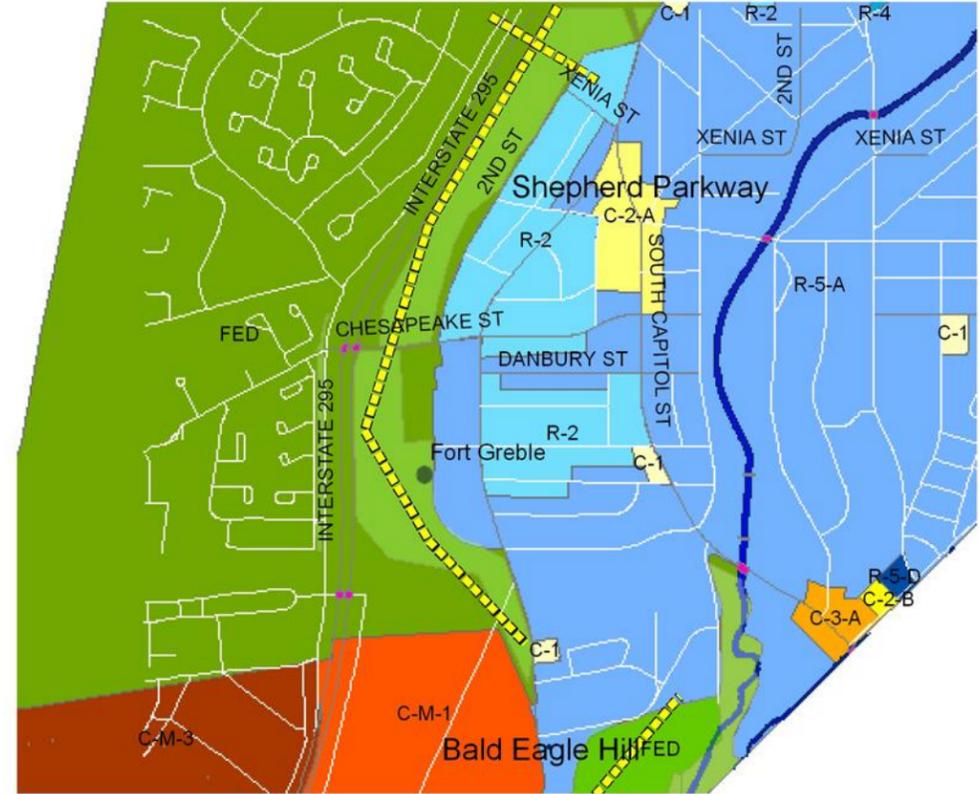


BUILDINGS, STREETS & SIGNIFICANT CULTURAL FEATURES

0 0.1 0.2 0.3 0.4 0.5 Miles
1 inch equals 1,000 feet

- Greenway Trail
- Streets
- Water
- NPS Property
- Bald Eagle Hill
- Shepherd Parkway
- Buildings
- Hospitals
- Firestations
- Library
- Schools
- Recreational Centers
- Public Transportation

FORT GREBLE:
BELLEVUE GREENWAY NEIGHBORHOOD



ZONING

0 0.1 0.2 0.3 0.4 0.5 Miles

- C-1
- C-2-A
- C-2-B
- C-3-A
- C-M-1
- C-M-3
- FED
- R-2
- R-4
- R-5-A
- R-5-D

DESCRIPTION

Fort Greble is located in a very interesting and diverse setting. The site has four elementary schools, six recreation centers, one educational center, and one public library. Hadley Memorial Hospital is adjacent to the Fort Greble and Recreation Center site. There is one fire station but no police stations. The existing bus stops are in a fairly close proximity. However there are not any metro stations.

The road system is very well developed. To the east side, at Oxen Hill Creek, one can observe a series of bridges. On the other side of the creek is the largest educational center with recreational activities. To the west of the proposed Greenway Trail, separated by Interstate I-295 is federal land use. To the east of the trail, the site is characterized by moderate density residential area.

FORT CIRCLE PARKS
WASHINGTON, D.C. GREENWAY



1. Fort Site



2. Tree Character



3. Fort Greble Recreation Center



4. Leckie Elementary School



5. Basketball Court at Fort Greble



6. Playground at Fort Greble



LOCATION OF PHOTOGRAPHS

1 inch equals 1,000 feet



7. Patterson Elementary School



8. Oxon Hill Creek



9. Oxon Hill Creek and the surrounding neighborhood

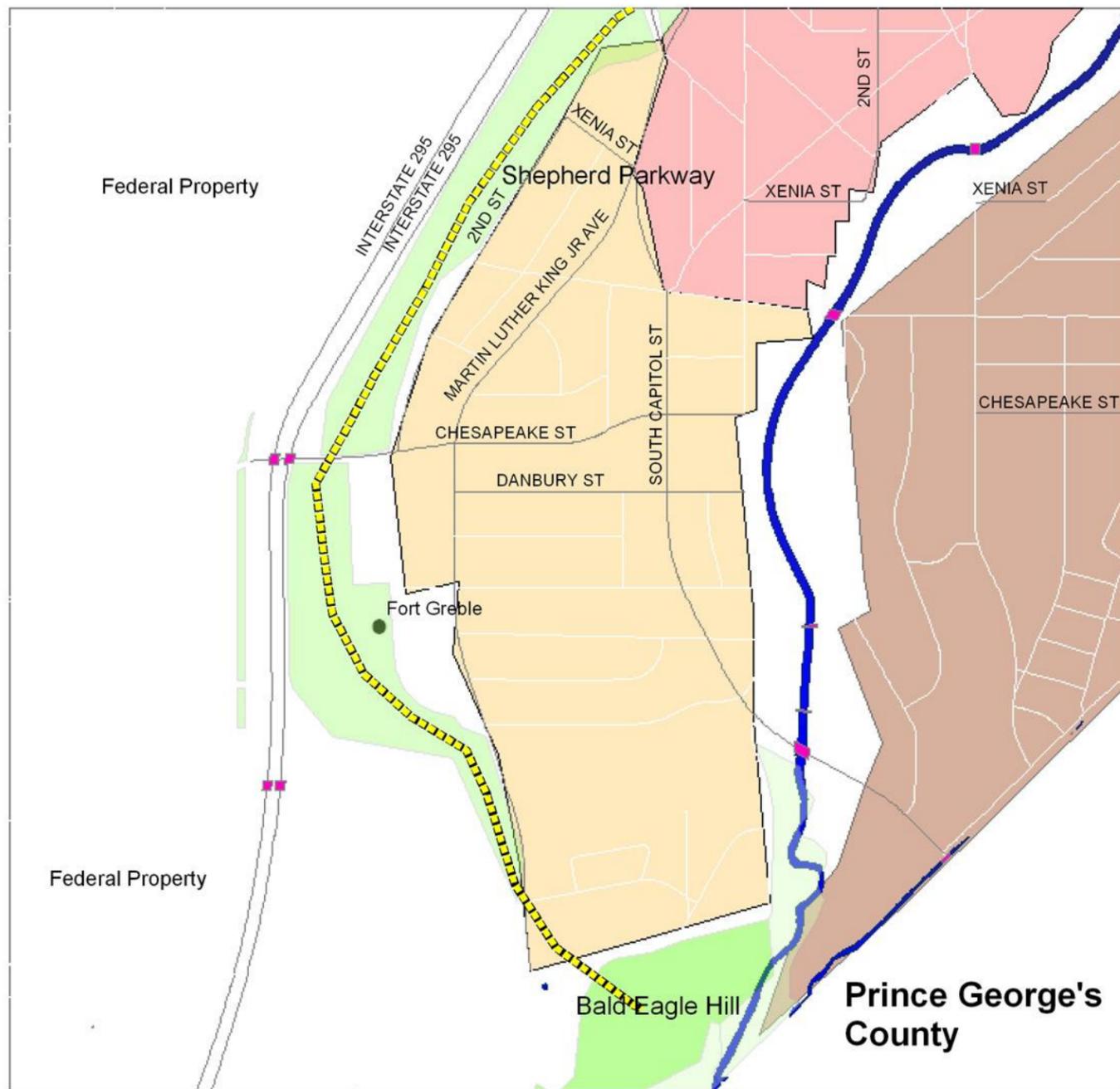


10. Neighborhood Housing

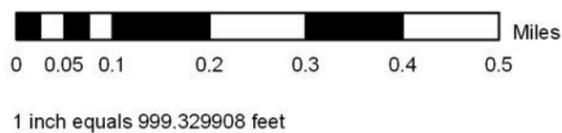


11. Patricia Harris Educational Center





NEIGHBORHOODS



- Greenway Trail
- NPS Property
- Bald Eagle Hill
- Shepherd Parkway
- Bellevue
- Congress Heights
- Washington Highlands

PROGRAMMING

**FORT GREBLE:
BELLEVUE GREENWAY NEIGHBORHOOD**

DESCRIPTION

Shepherd Parkway becomes a divider between the Federal Land Zone to the west and the Residential Land Zone to the east of the parkway. The surrounding neighborhood residents live predominantly in apartment complexes. The percent of children under the age of 18 is high; therefore, there are many schools and recreation centers. The children in the neighborhood become one of the main user groups of the park. The existing traditional type playgrounds are in a poor condition. The large open space allows for various types of sports to take place, as well as provides opportunities for other active and passive recreation activities.

USER NARRATIVES

THE CHILD

My name is Jason and I am four years old. My mom and I are going for a walk with my tricycle. It is around 3:00 o'clock on a sunny Sunday afternoon. We are heading for the new trail. My mom is helping me with the tricycle until we reach the even pavement. Finally, I am flying on my bike; I can make all different maneuvers now. I am a big boy. Well, after a while I tell my mom that I am really thirsty; the sun is shining and with this bike I am getting a little bit tired. We stop at the next vendor. My mom buys me really nice orange juice. We sit on a bench for about 10-15 minutes. Then, I keep riding my bike and my mom keeps repeating to watch out and to be careful. Everything is going really fine until...I have to go to the restroom. Apparently the closest one is not very close at all. Finally, we reach the public facilities... Now, I am getting really tired. My mom decides that we can go to the small café next to the Recreational Center. She gets a nice cup of coffee and I have a big ice cream. On the way back, after about 30 more minutes biking I am really bored. I refuse to ride my bike. I decide to run instead. My mom is pushing my bike. She tells me that we could get a bus but there is not a convenient one close to us. We come back home at around 6:30 p.m. We are both really tired.

THE TEENAGER

My name is Adam. It is finally Saturday again-no school, the homework can wait for tomorrow, or who knows for when... My friends and I have a meeting at 10:00 a.m. in the park. We are going to ride our skates and rollers. Around 10:30 everyone is there and we start "dancing" on the alleys. People sometimes get really angry and upset with us. Dogs often bark at us...but we are having fun on our rollers, and we are trying not to hurt anyone. Somebody mentions that there is going to be a concert of a local band tonight at Fort Dupont. We all decide to go. It is about 1:30 p.m. when we stop to get something to eat and drink and to cool for a while. My friends and I find this really awesome space hidden behind the trees: several benches in the shade. We sit there for about an hour discussing how we are going to get to the concert tonight. I go back home at around 6:00 p.m. to take a shower and change. We are going to take the bus to Fort Dupont.

THE DOGWALKER

It is 8:30 p.m. and I am finally home. I cannot believe that I had to work that late today. And on top of everything I had a flat tire. "Hey, baby! Yes, we are going out!"

My poor dog has been sitting in this small apartment the whole day. I usually take my dog out for at least an hour. She likes being outside, of course. Sometimes we run together in the neighborhood park. She prefers grassy areas, while I prefer paved surface. Tonight we are just walking. I am really tired. I even think I am just going to sit on this bench and watch her run around.

**FORT CIRCLE PARKS
GREENWAY**

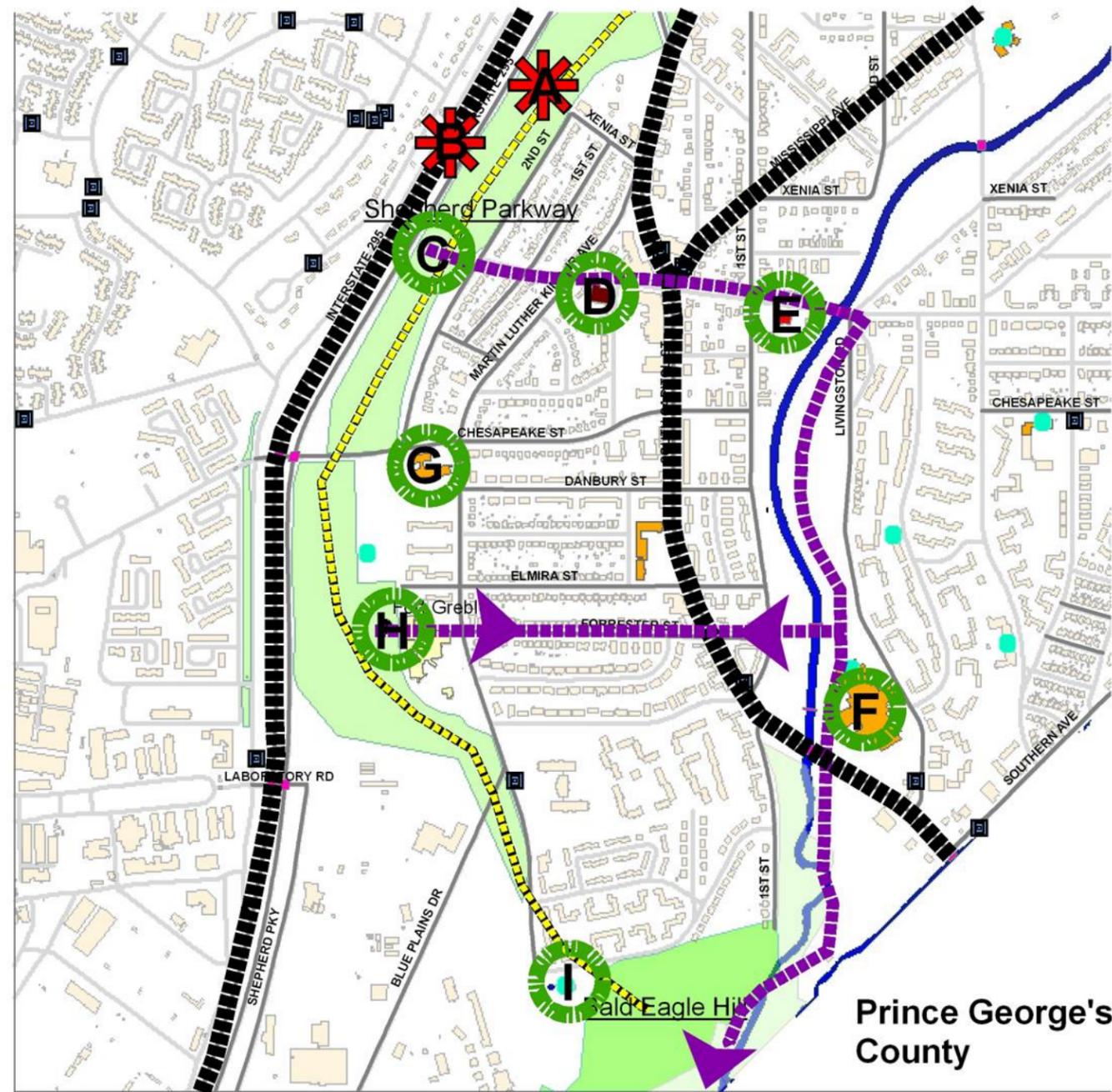
WASHINGTON, D.C.

18-5

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UNIVERSITY OF MARYLAND
LANDSCAPE ARCHITECTURE PROGRAM
MILA ANTOVA

REGIONAL DESIGN STUDIO
LANDSCAPE ARCHITECTURE PROGRAM
145



OPPORTUNITIES AND CONSTRAINTS



1 inch equals 1,000 feet

- Greenway Trail
- Streets
- Water
- NPS Property
- Bald Eagle Hill
- Shepherd Parkway
- Bridges
- Buildings
- Hospitals
- Firestations
- Library
- Schools
- Recreational Centers
- Public Transportation

FORT GREBLE:
BELLEVUE GREENWAY NEIGHBORHOOD

- A CONSTRAINT**
Steep slope in the area of the Sheperd Parkway restricts trail placement.
- B CONSTRAINT**
Noise and pollution from I 295
- OPPORTUNITIES**
- C** An opportunity to avoid the steep slope and create an alternative Green-Blue way. It would move the visitors through the neighborhood by giving the opportunity to enjoy Oxon Hill Creek.
- D** An opportunity to visit the local library where additional information about the Civil War could be provided. It could become a small Visitor Center where one can learn not only about the Civil War, but also about interesting events and activities within the surrounding neighborhoods.
- E** An opportunity to observe the local fire station: possibilities for community demonstrations.
- F** An opportunity to enjoy the Green-Blue Way and to integrate the existing Washington D.C. trail system along Oxon Hill Creek. This will also integrate the visitor with the atmosphere and traditions of the surrounding neighborhoods, as well as with the children's activities at Patricia Harris Recreation and Educational Center .
- G** Continuing the major Greenway one has the opportunity to see the Leckie Elementary School.
- H** An opportunity to experience the recreation activities at Fort Greble Recreation Center, as well as to learn something more about Fort Greble by integrating a Visitor Center. Right next to them is Hadley Memorial Hospital.
- I** An opportunity to see Bald Eagle Recreation. In addition, this is the final destination of the proposed Fort Circle Greenway. However, there is a possibility of extending the trail and connecting it to Fort Foote in Prince's George's County. This can open opportunities for creating connections with other regional trail systems.

- Constraints
- Opportunities
- Major Roads
- Alternative Greenway

FORT CIRCLE PARKS
GREENWAY

WASHINGTON, D.C.

OVERVIEW

IDEATION AND RESEARCH

Students first began working on the Fort Circle Parks Greenway Project during the third week of February. Students brainstormed mission statements, objectives and goals for the project. The first step taken was the exploration of the GIS data and the creation of maps showing the different files and describing the realm of valuable information contained in the attributes of the files. Students also conducted general research on the Fort Circle Parks using the Big Picture, part of the D.C. General Management Plan, the Final Management Plan for the parks, the Call to Action Plan of the Committee of 100, and other related materials to familiarize themselves with the parks and forts. The GIS data was supplied by the National Park Service. Students also engaged in research on the web. The project was undertaken using ARCGIS Version 9 along with Spatial and 3D Analyst.

INVENTORY

The general approach to understand and envision the greenway was to divide the proposed greenway into eighteen greenway neighborhoods. Each student was assigned a segment and the surrounding one to one and one-third mile block around his or her segment of the trail. We designated these areas as the Greenway Neighborhoods. It was at this level that students conducted inventory, programming and composite analysis and ultimately envisioning ideas for the greenway. Once assigned a neighborhood, students were responsible for finding out as much as they could about their neighborhood, for instance, what percentage of the population are children under the age of eighteen, what forts and other important landmarks were in their neighborhood, what schools and institutions are present, and what major roads and other natural barriers are present. A couple of the neighborhoods lie along a parallel new proposed route of the trail where the trail splits off and joins back with the original trail. The new route allows the trail to form more of a true semi-circle and has the potential to replace the original proposed route if it is found to be preferable and feasible to run the trail that way.

The class was first asked to give their neighborhood a name, produce one general map of their area, and to share their findings of the neighborhood with the rest of the class to familiarize everyone. This led to students producing three different types of maps to show biotic features, abiotic features, and cultural features. The students pinned up their maps and decided which maps included key features to make mandatory on all maps and which features could be removed without losing vital information. For example, all sheets show the trail, junction points between neighborhoods, the National Park Service Parks, and the Fort Circle Parks. The abiotic data sheets show and describe the slope of the terrain. The biotic data sheets include an aerial photograph, woodlands, water, and wetlands and describe these features. The cultural data sheets illustrate streets, buildings, schools, bridges, police stations, fire stations, hospitals, bus stops, metro stations, and universities and describe these features. In addition, students each produced potential layouts, and the class decided on the best layout and made modifications to improve that layout before adopting it for each map.

PROGRAMMING

Next, students discussed programming, considering two broad categories of users: local residents and non-local residents including tourists. Students listed potential user groups, including bird-watchers, bikers, joggers, and inline skaters. They wrote first-person narratives about the user populations and specific events most likely to occur in their individual neighborhood. With programming it was important to define the frequency, duration, and intensity of the user experiences.

Students also brainstormed types of nodes that play a role in the greenway. These included forts, gardens, hilltops/vistas, cemeteries, and other significant features. The kinds of linear segments, or linkages, present for this urban greenway vary in terms of steepness, fragmentation, degree of wooded tree cover, and the degree to which they must cross roads, streams, and rivers by such means as crosswalks, bridges, or even a seasonal ferry.

GROUP SITE VISIT / PHOTOGRAPHIC BOARDS

On March 2, the class took a field trip to tour as many of the forts as could be seen in one afternoon. The trip allowed the students to better familiarize themselves with their individual neighborhoods. Students returned to the sites later to take photographs of their neighborhoods to be used on their photo boards.

COMPOSITE ANALYSIS

On March 9, the class held a meeting with representatives from the National Park Service to gather feedback on the way the project was progressing. Many questions and uncertainties about individual neighborhoods and the overall trail were addressed during the session. At the end of the day, students conducted an exercise to identify opportunities and constraints in their neighborhoods by writing the opportunities or constraints on a slips of paper and placing them in the appropriate spots on their maps. This exercise led to the initial production of Composite Analysis maps. This map was further edited in group and individual critiques to arrive at the final Composite Analysis boards.

IDEATION AGAIN

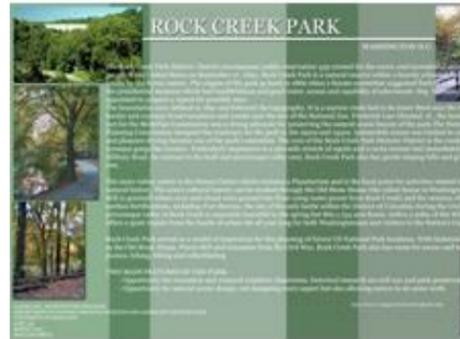
Students looked at precedent greenway case studies (Appendix A-2) from around the country that included innovative features for ideas, then promulgated both small ideas for their neighborhood and larger overall ideas for the entire greenway, such as linking the greenway via a series of lookout towers and use of site markers with the fort names to mark the location of forts no longer existing. These ideas were presented to two outside professional landscape architects for feedback. (Appendix A-3.)

MASTER PLANS AND FOCUS AREA

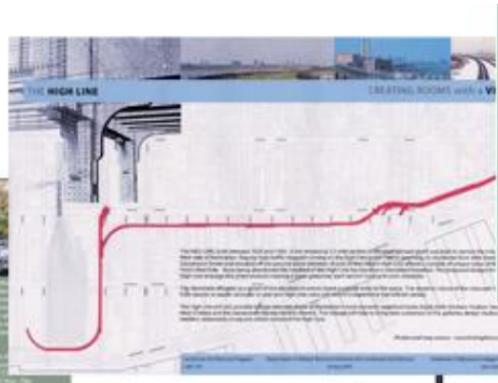
During the final week and a half before the project was to be presented to the National Park Service at the National Capitol Planning Commission, the students developed planning and design solutions boards for their respective greenway neighborhoods. This board included a master plan, a site scale focus plan, and associated sketches to convey the essence of the focus area. The design and program for the focus area represented satisfying programmatic needs while addressing the composite analysis of the neighborhoods. After the formal review, the students were again asked to review boards and asked to make corrections.

PRESENTATION AND DOCUMENT COMPILATION

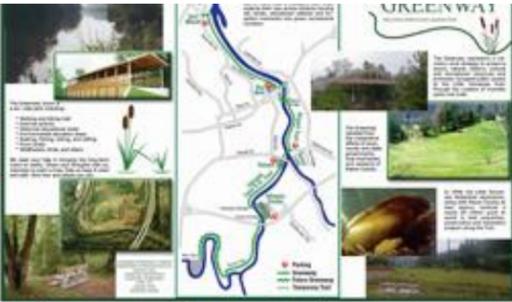
The students presented their work April 17, 2005 to the National Park Service at the National Capitol Planning Commission. Students exported completed digital files at 300 dpi. These files were reviewed for changes. The final report was converted to PDF format.



ROCK CREEK PARK



THE HIGH LINE



GREENWAY

Los Angeles River Greenway



Greenway Features
1) The revitalization of abandoned industrial sites to be future sites of parks. This is considered especially important in areas of the city which are in desperate need for additional parks.
2) Revitalization of some of the industrial sites will also be used to provide increased wildlife habitat which has been essentially reduced over years of development.
3) Increase water quality by returning land surrounding the river back into a natural landscape more capable of filtering pollutants not before reaching the river.

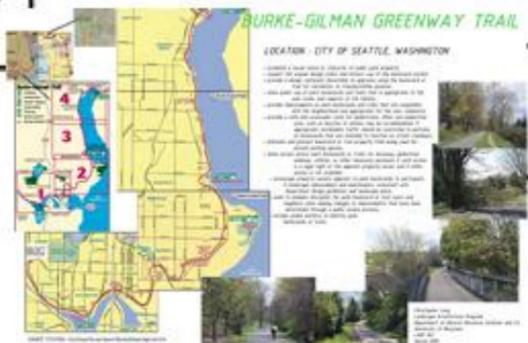
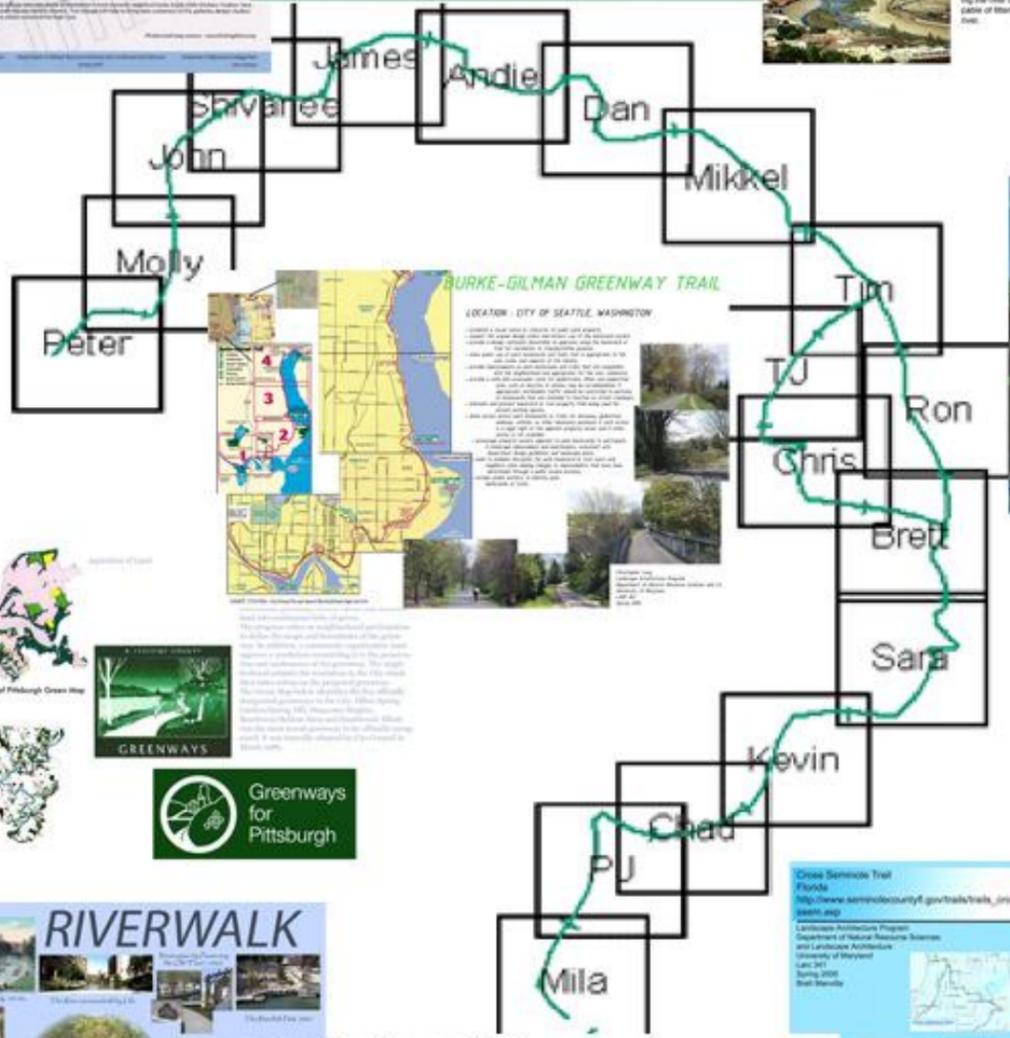
James Fisher Spring 2005 LARC 341 University of Maryland Department of Natural Resources Science and Landscape Architecture



James Fisher Spring 2005 LARC 341 University of Maryland Department of Natural Resources Science and Landscape Architecture

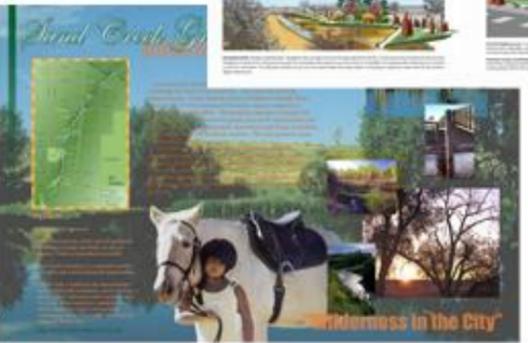


Chicago Greenway: The Burnham Trail System



BURKE-GILMAN GREENWAY TRAIL

LOCATION - CITY OF SEATTLE, WASHINGTON



Marjorie Harris Carr Cross Florida Greenway



Cross Florida

Warning that the Gulf of Mexico to the John Brown the Marjorie Harris Carr Cross Florida Greenway was the longest trail in the United States at 1,000 miles. The 1,000-mile corridor encompasses a variety of terrain and offers an array of trails and recreational opportunities. Visitors can experience Florida's greatest greenway.



The Lend Bridge Trailhead, constructed in 2001, providing a trail head access point to reach the Cross Florida Greenway. The Lend Bridge was completed in 2001, providing a pedestrian trail across the water between Ft. and ending with parking for bicycles, equestrian, and provides a walkway. The project was developed and constructed in collaboration with the Florida Department of Transportation and was funded through Federal Department of Transportation gas tax monies that are restricted to non-motorized transportation. The bridge is fully landscaped with native Florida vegetation.



KNOX RIVER GREENWAY



Greenways for Pittsburgh



NASHVILLE Greenway



RIVERWALK



Tampa Greenway and Trails

The Tampa Greenway and Trails Project is an on-going process in the making. They have already undergone the Inventory and Analysis Phases and are currently in the process of raising additional funds to continue in the Design and Implementation Phases. The overall master plan has been completed but to this point specific site design has not yet gone underway. They next step is to include the greenway master plan into the City of Tampa's Comprehensive Plan, prepare detailed design guidelines for the entire greenway system, and then develop funding and land acquisition strategies for the project.

Their Mission Statement reads: The purpose of the Tampa Greenways and Trails master plan is to increase public access throughout the City of Tampa to recreation and to non-motorized transportation opportunities. This master plan identifies the citizen selected corridor, official and shared-road routes for this predominantly urban network. This system will link parks, schools, transit hubs, waterfront, and places of cultural and historical significance. This integrated network is created along and through a combination of

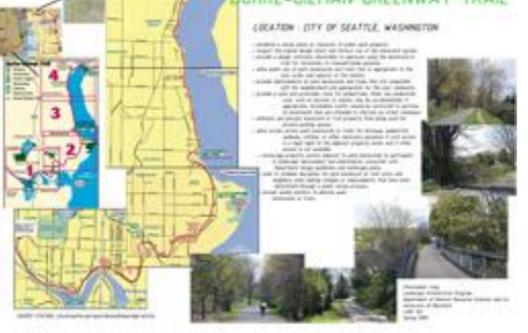


Cross Seminole Trail

http://www.seminolecountyfl.gov/trails_index.html



BURKE-GILMAN GREENWAY TRAIL



LOCATION - CITY OF SEATTLE, WASHINGTON



This information after and reading might be an idea for creating trail plans along the trail. This type of feature would allow visitors to get oriented with their location on the trail by highlighting this feature on their map and adding it to their location on the trail.

The photo to the left depicts an overhead bridge for bikers and equestrian. This construction bridge was without the soil vegetation could be enough to signify that a visitor is off on the full circle trail. I think a bridge of this size would be useful in crossing large major roads and waterways. Even if the bridge must be built down to fit an urban environment, it could provide an excellent setting after a more scenic setting near the trailhead.





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FORT CIRCLE PARKS WASHINGTON, D.C. GREENWAY

