



# POTENTIAL TREE PLANTING ANALYSIS

Map Book

## SUMMARY

This document summarizes a high-level GIS analysis to identify where there may be potential locations for new tree plantings throughout the city. The locations identified in this map book represent hypothetical planting locations that can serve as a strategic planning tool as Charlottesville continues to enhance its urban forest.

Prepared for the City of Charlottesville by the Green Infrastructure Center Inc.

January 2017

The information shown in this map book is intended to be used as a high-level, city-wide planning tool. A citywide screening of where there may be potential to plant trees is a useful first step in understanding not only where and how many trees might be planted, but also what benefits might be associated with planting in a given location. This map book is the primary overview of this analysis; other map books have been created to highlight particular nuances of the data (for example, right-of-way specific analyses, or the density of potential planting points).

These points were created by the Green Infrastructure Center (GIC) using the best available GIS data, not field surveys. The datasets included in the methodology are under constant revision, and may not be perfectly accurate or current. This analysis is not a suitability study and does not represent recommended tree planting sites. The locations identified may include areas where trees could not be physically planted, and could also include areas that may not be suitable for planting. Further field investigation will be needed to determine if the points identified are suitable for planting and to identify the precise tree planting site.

#### Methodology:

The basic outline of this process was to first update the provided “possible planting area” (PPA), create tree points within the final PPA, calculate a variety of metrics to attach to each point, and finally create map books to help guide future tree plantings.

A variety of datasets were used to complete this analysis. The primary data source for this analysis was created for the City of Charlottesville by Plan-It Geo. They developed a full land cover classification, as well as deriving the PPA from the created land cover dataset. Their product was derived from 2014 aerial imagery, which is one of the major limitations of the analysis because trees planted after 2014 are not accounted for, unless their specific location has been tracked by the City. Many of the datasets used as both exclusion factors and point metrics are updated on a regular basis by City of Charlottesville staff. This will allow the City of Charlottesville to update this analysis in the future when it becomes outdated.

The potential tree planting locations are semi-random points that have been placed to maximize the number of trees that can be planted in the PPA. The PPA was created by mapping several types of land cover, including turf grass and bare soil, while excluding land cover types where trees cannot be planted, like buildings and roads. This analysis only considers pervious PPA. This does not include impervious PPA, such as parking lots, even though it may be possible to plant trees in these areas. Additional exclusion factors (places where trees cannot be planted) were applied to refine the PPA:

- The Meadow Creek Restoration area (the area was replanted, but not captured in the land cover dataset)
- Railroad right-of-way
- A 10-foot buffer around existing trees
- A 10-foot buffer around existing buildings
- A 15-foot buffer around recent tree plantings
- A 10-foot buffer around underground utilities
- Sidewalks
- Private alleyways (alleyways that do not receive public maintenance, but must remain clear for vehicles)
- Un-addressable buildings – ranging from sheds to parking decks

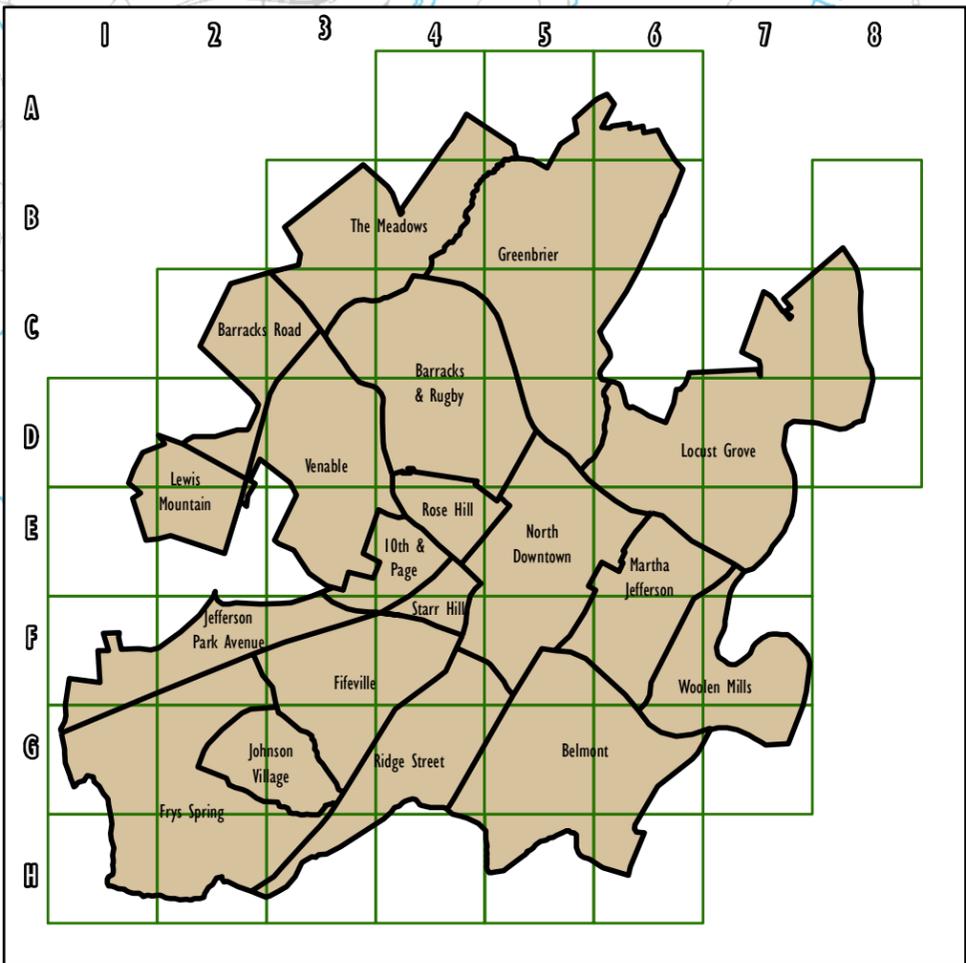
Additionally, points were given a 40-foot separation distance. A 15-foot buffer was used around the available dataset of overhead utilities, but points that fell within this buffer were not removed, only flagged as constrained. Trees can still be planted in these locations, they are simply not ideal for larger trees. These final two constraints were chosen because they are consistent with codes and best practices for tree planting and maintenance in Charlottesville.

Additionally, for planning and analysis purposes, a number of metrics were collected for each identified point. These were:

- Census Data (by block group)
  - Population Density (Persons/Acre)
  - Median Household Income
- Proximity (up to 328 feet (100 meters)) to Major Roads (including ADT numbers)
- Proximity (up to 33 feet (10 meters)) to Trails (Existing and Proposed)
- Proximity (up to 49 feet (15 meters)) to Bike Lanes (Existing and Proposed)
- Proximity (up to 656 feet (200 meters)) to Streams
- Near Forest Cores (100 Feet)
- Sub-catchment Imperviousness Percentage
- Relative Temperature
- Type of Framework Street (50 Feet)
- Zoning
- Steep Slopes
- Floodplain
- Underneath overhead power lines (Dominion Data)
- Entrance Corridor
- State Owned Property
- City/County Owned Property
- School Property
- UVa Property
- Walking Distance to Schools (1/4 Mile)

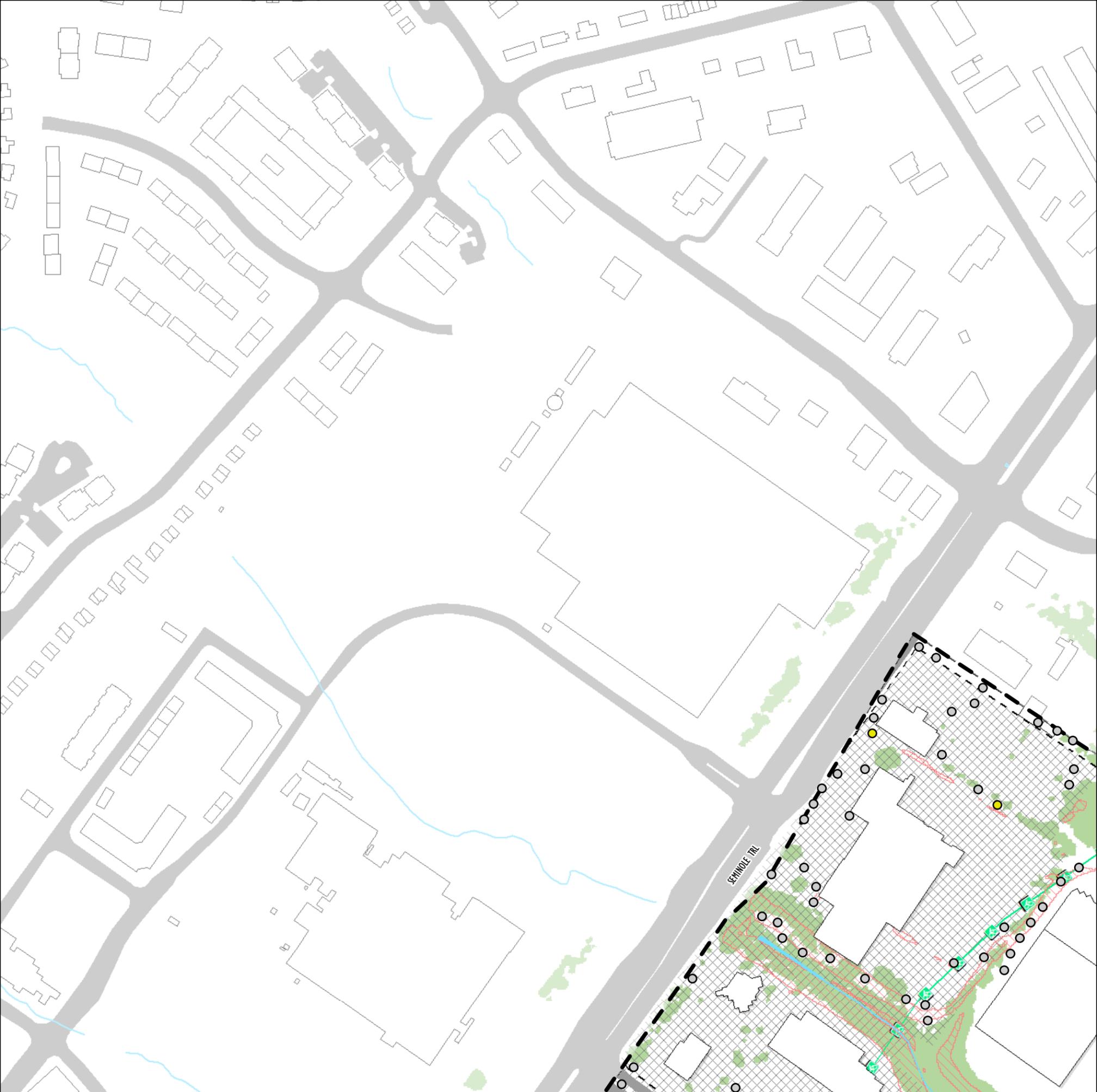
If a metric does not have a discrete value, such as population density, it was given a value of 0 if it does not meet the metric, and a 1 if it does. Metrics that include “Proximity” have distances included. For the metrics that include proximity, a distance of -1 indicates that the point falls outside of the maximum range to be considered for that metric.

Trees can provide many benefits, from stormwater mitigation to reducing urban heat island, and this supplemental information helps identify where these benefits can be realized. While all of the metrics are embedded in each point, these map books help visualize this information spatially. This map book can identify potential tree planting projects, but the exact location of trees should be adjusted based on the realities of the specific site.



Parks	
1: Market Street Park	19: Riverview Park
2: Rives Park	20: Court Square Park
3: Belmont Park	21: Northeast Park
4: Jordan Park	22: Pen Park
5: Tonsler Park	23: Washington Park
6: Fifeville Park	24: Meade Park
7: Schenk's Greenway	25: Meadow Creek Valley
8: Greenleaf Park	26: Longwood Park
9: Meadowcreek Gardens & Disc Golf	27: Quarry Park
10: Maplewood Cemetery	28: Azalea Park
11: Oakwood Cemetery	29: McIntire Park
12: Downtown Pavilion	30: Davis Field
13: Darden Towe	31: Daughters of Zion Cemetery
14: Starr Hill	32: Quarry Park
15: Rothwell	33: Forest Hills Park
16: Downtown Mall	34: Fry's Springs
17: McIntire Park	35: Meadow Creek Valley
18: McGuffey Park	36: Greenbrier Park
	37: Hartman's Mill





# Grid A4



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (47)
- Overhead Utility within 15 ft (2)

Bicycle Lanes

Streams

City Boundary

City Right-of-Way

Entrance Corridor

Steep Slopes

Tree Canopy

Park Boundaries

School Parcels

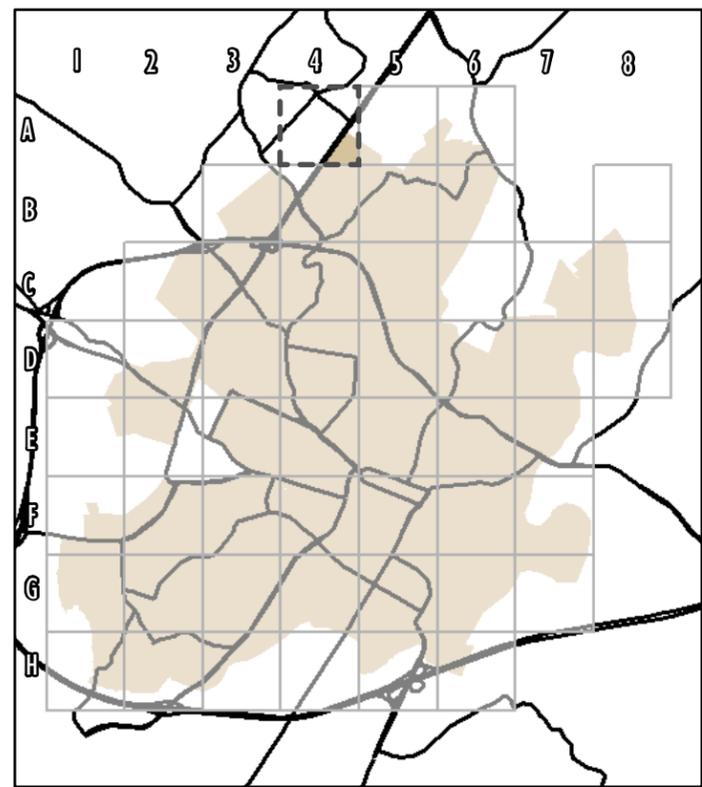
State-Owned Parcels

UVa Parcels

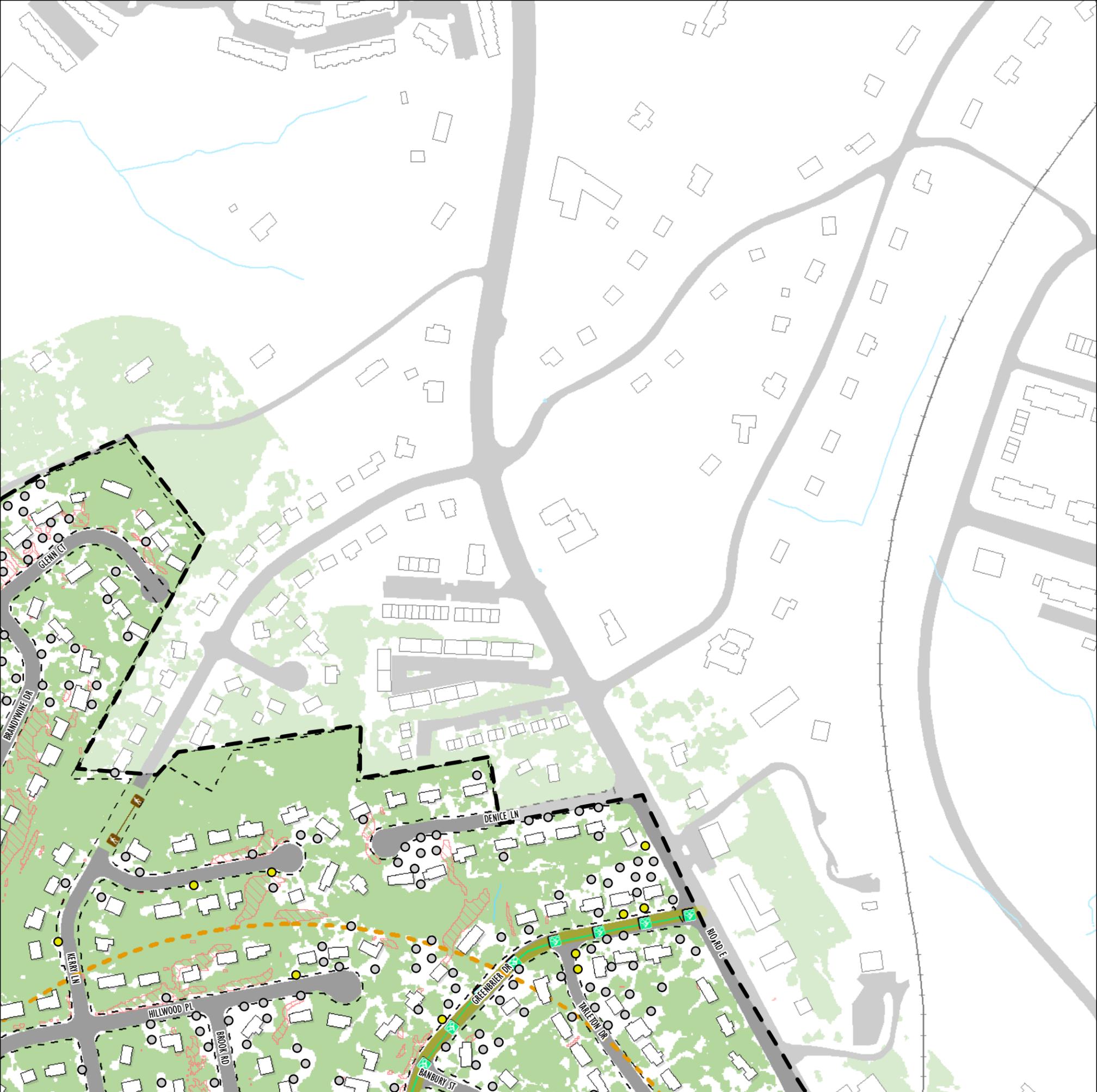
City Parcels



This square represents 1 Acre on the map







# Grid A6



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (130)
- Overhead Utility within 15 ft (10)
- Trails
- Bicycle Lanes
- Streams

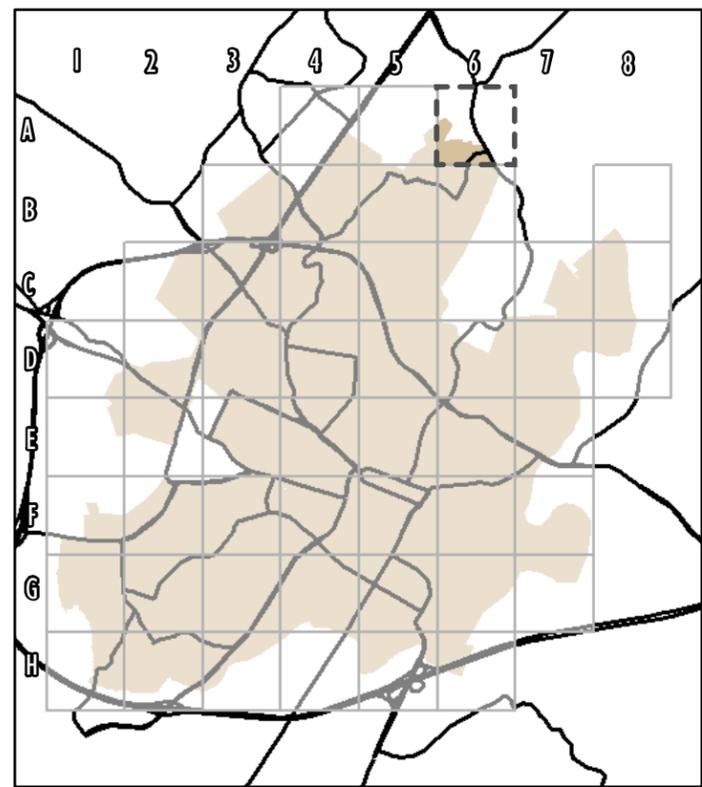
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels

### Framework Streets - Typology

- Neighborhood A
- City Boundary
- 5 Minute School Walkzones
- City Right-of-Way
- Steep Slopes



This square represents 1 Acre on the map





# Grid B3



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (491)
- Overhead Utility within 15 ft (61)

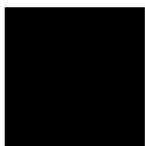
- Trails
- Bicycle Lanes
- Streams

### Framework Streets - Typology

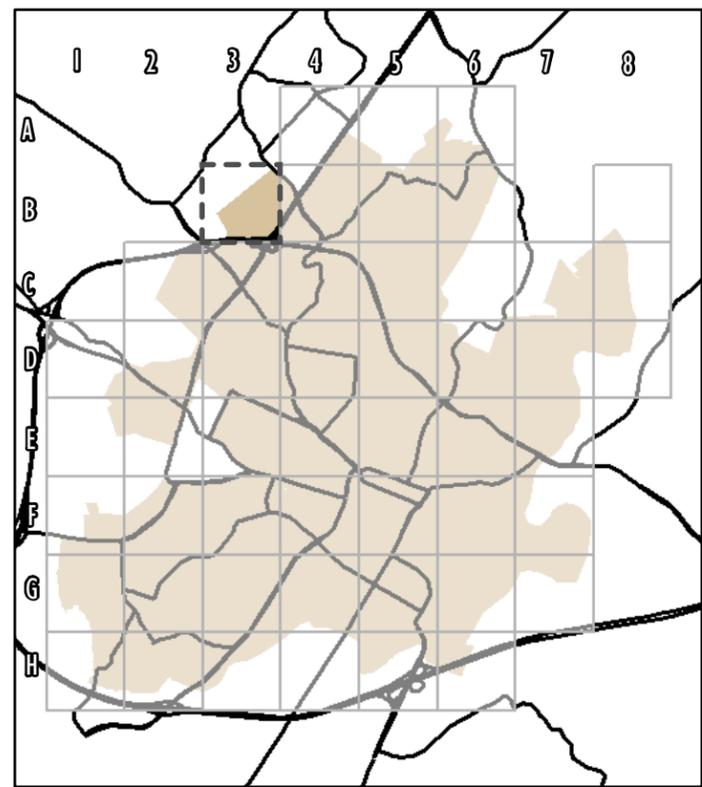
- Mixed Use A
- Mixed Use B
- Neighborhood A

- City Boundary
- City Right-of-Way

- Entrance Corridor
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid B4



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (364)
- Overhead Utility within 15 ft (66)

- 🚶 Trails
- 🚲 Bicycle Lanes

Streams

### Framework Streets - Typology

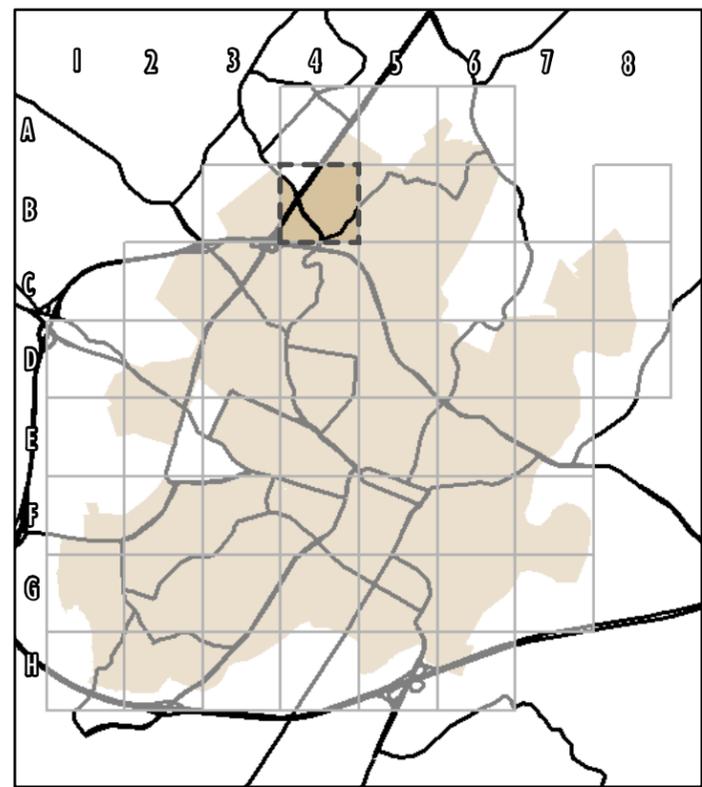
- Mixed Use A
- Neighborhood B

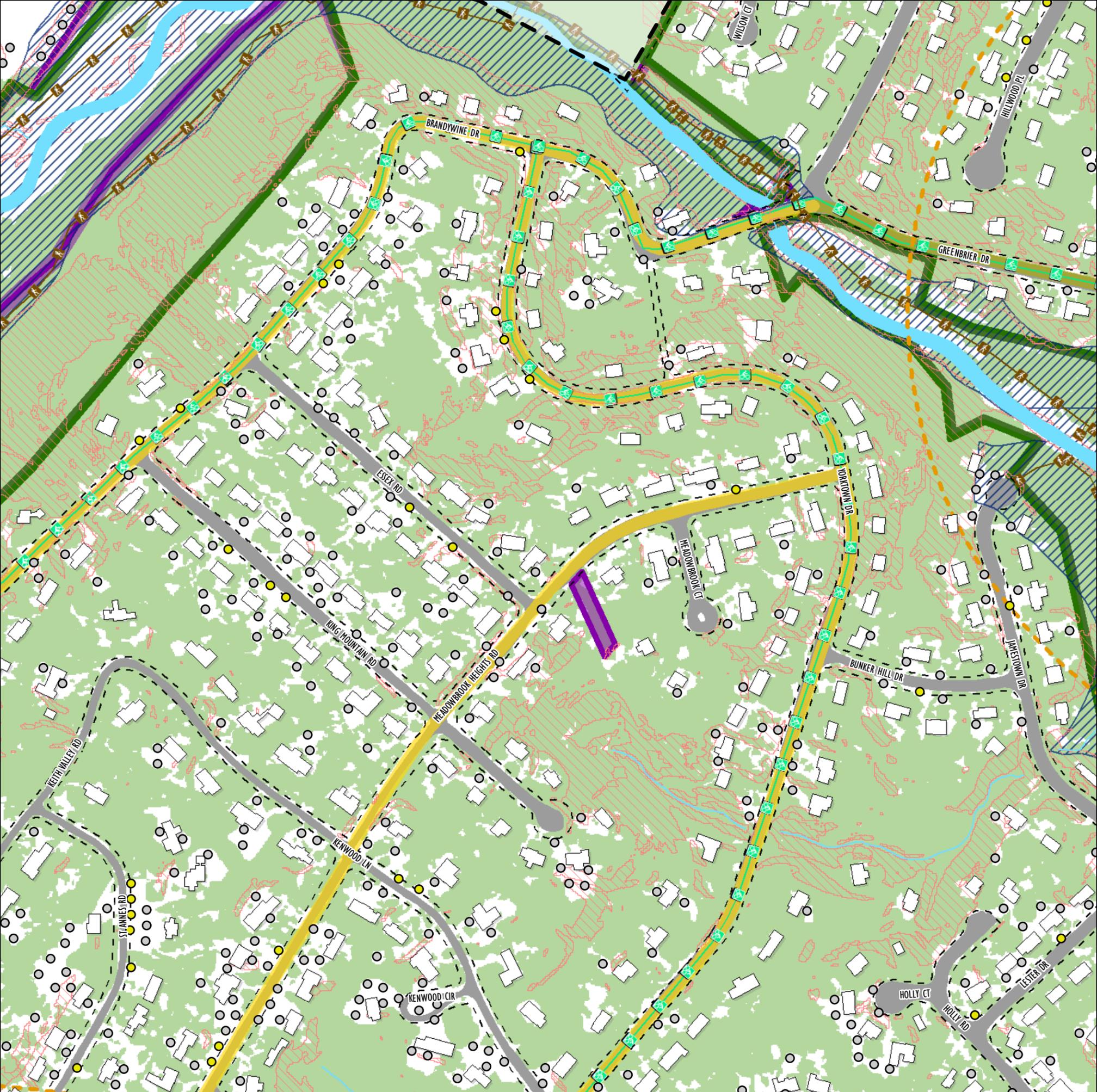
- City Boundary
- 5 Minute School Walkzones
- City Right-of-Way

- Entrance Corridor
- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid B5



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (302)
- Overhead Utility within 15 ft (32)

- Trails
- Bicycle Lanes

### Streams

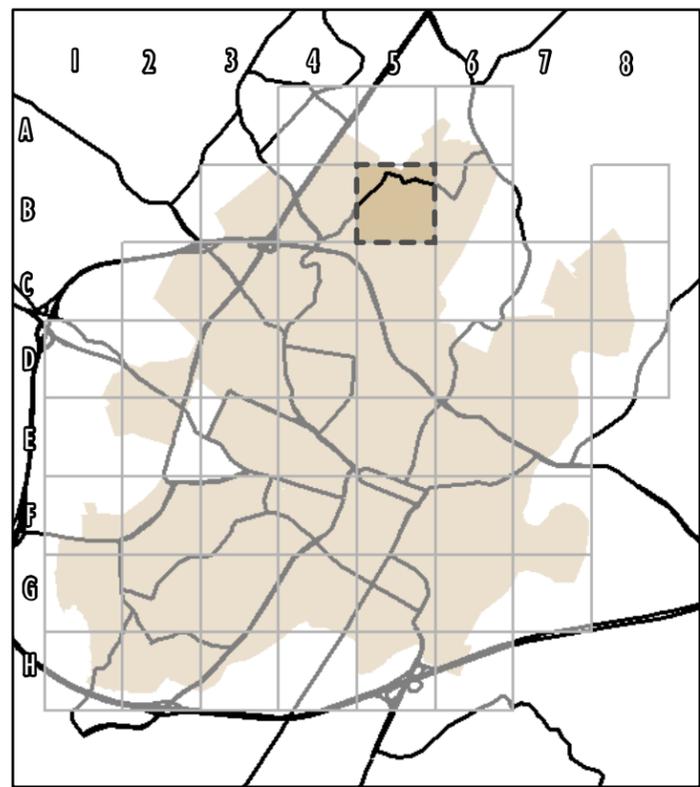
### Framework Streets - Typology

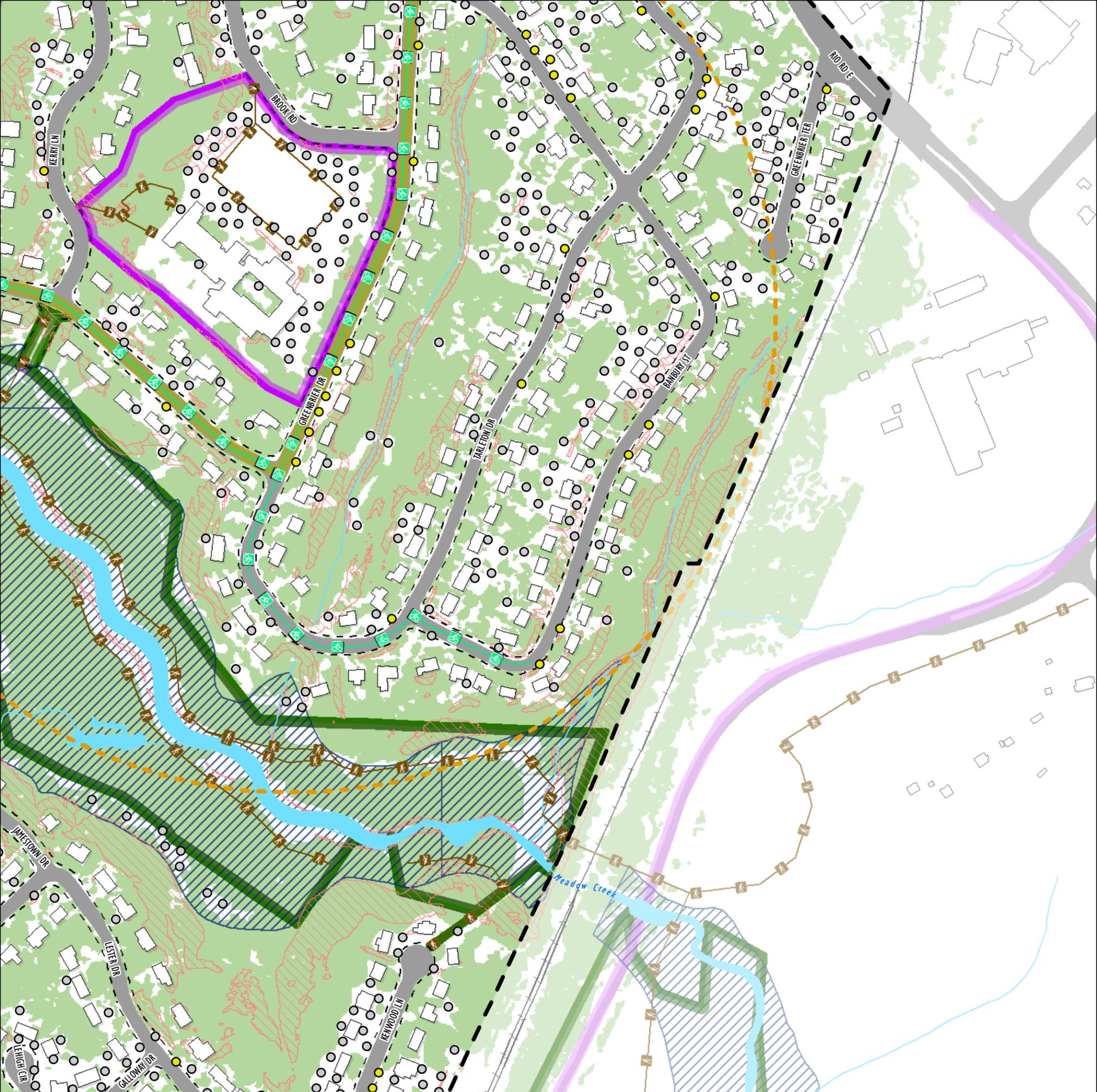
- Neighborhood A
- Neighborhood B

- City Boundary
- 5 Minute School Walkzones
- City Right-of-Way

- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels

This square represents 1 Acre on the map





# Grid B6



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (331)
- Overhead Utility within 15 ft (31)

- Trails
- Bicycle Lanes

Streams

### Framework Streets - Typology

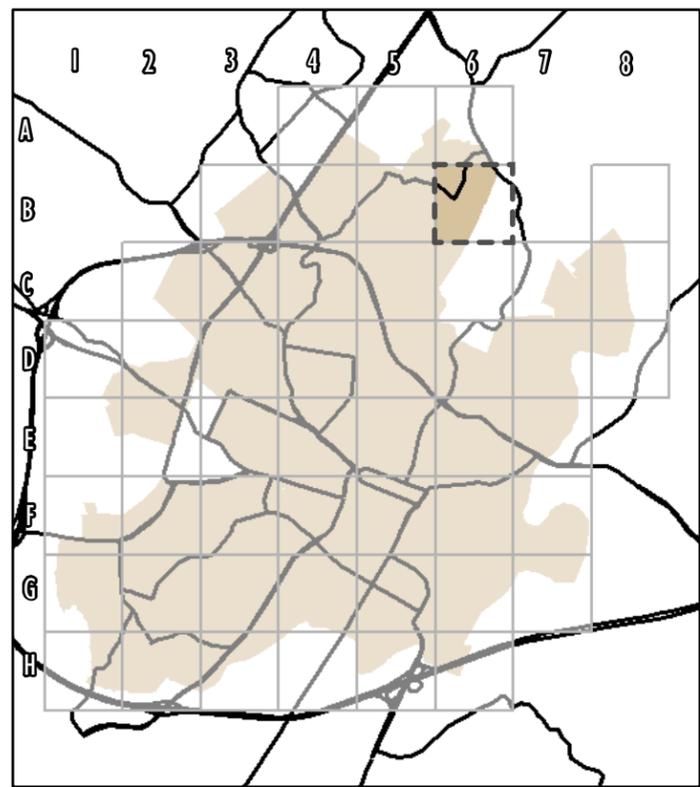
- Mixed Use B
- Neighborhood A

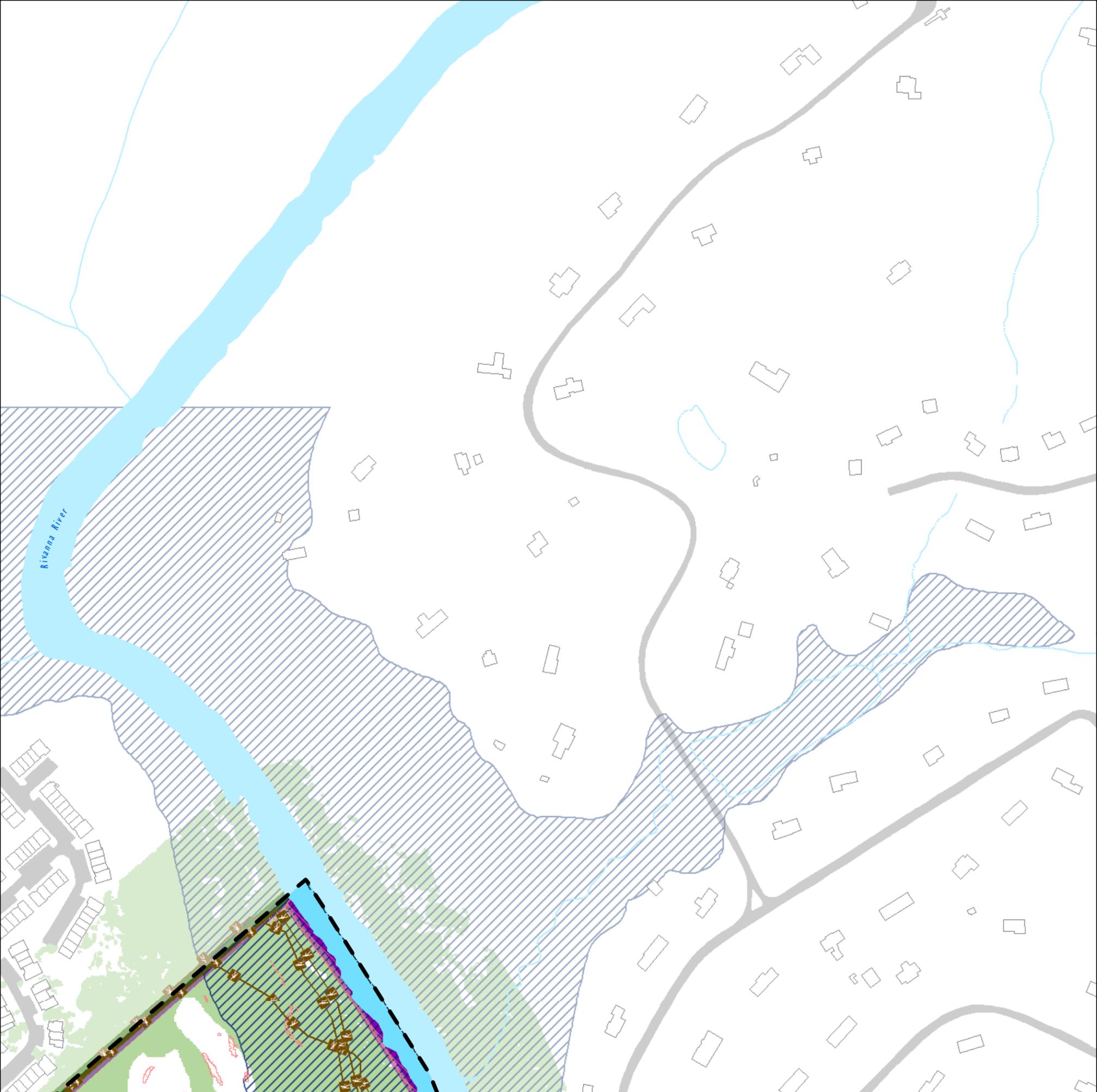
- City Boundary
- 5 Minute School Walkzones
- City Right-of-Way

- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid B8

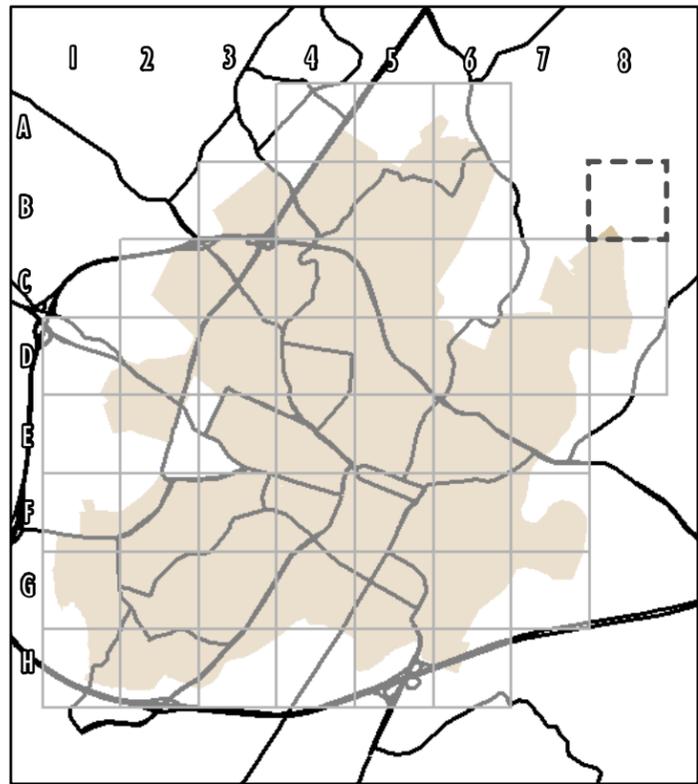


## Legend

- Trails
- Streams
- City Boundary
- City Right-of-Way
- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid C2



## Legend

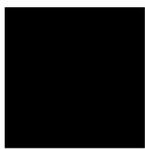
### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (205)
- Overhead Utility within 15 ft (10)
- 🚲 Bicycle Lanes
- Streams

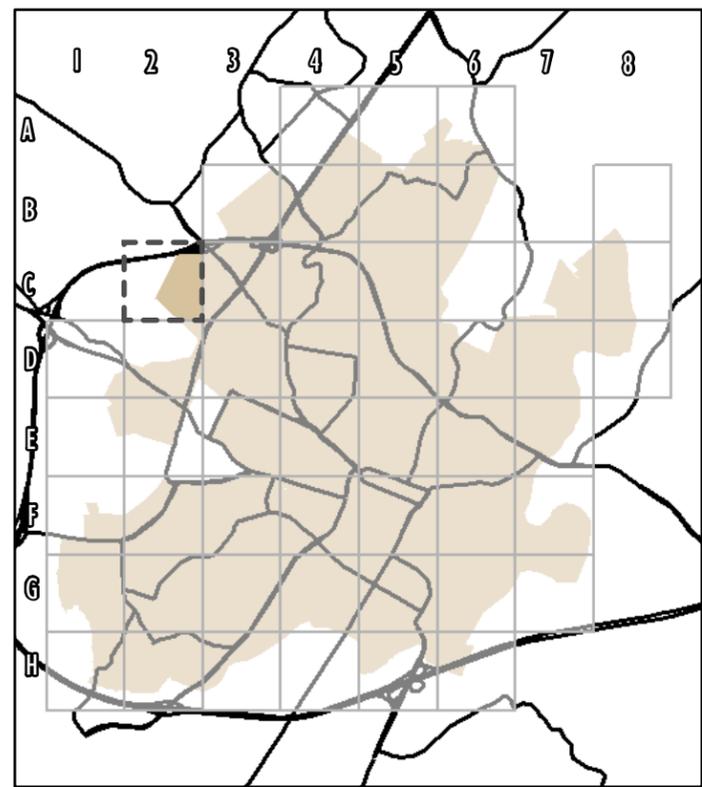
### Framework Streets - Typology

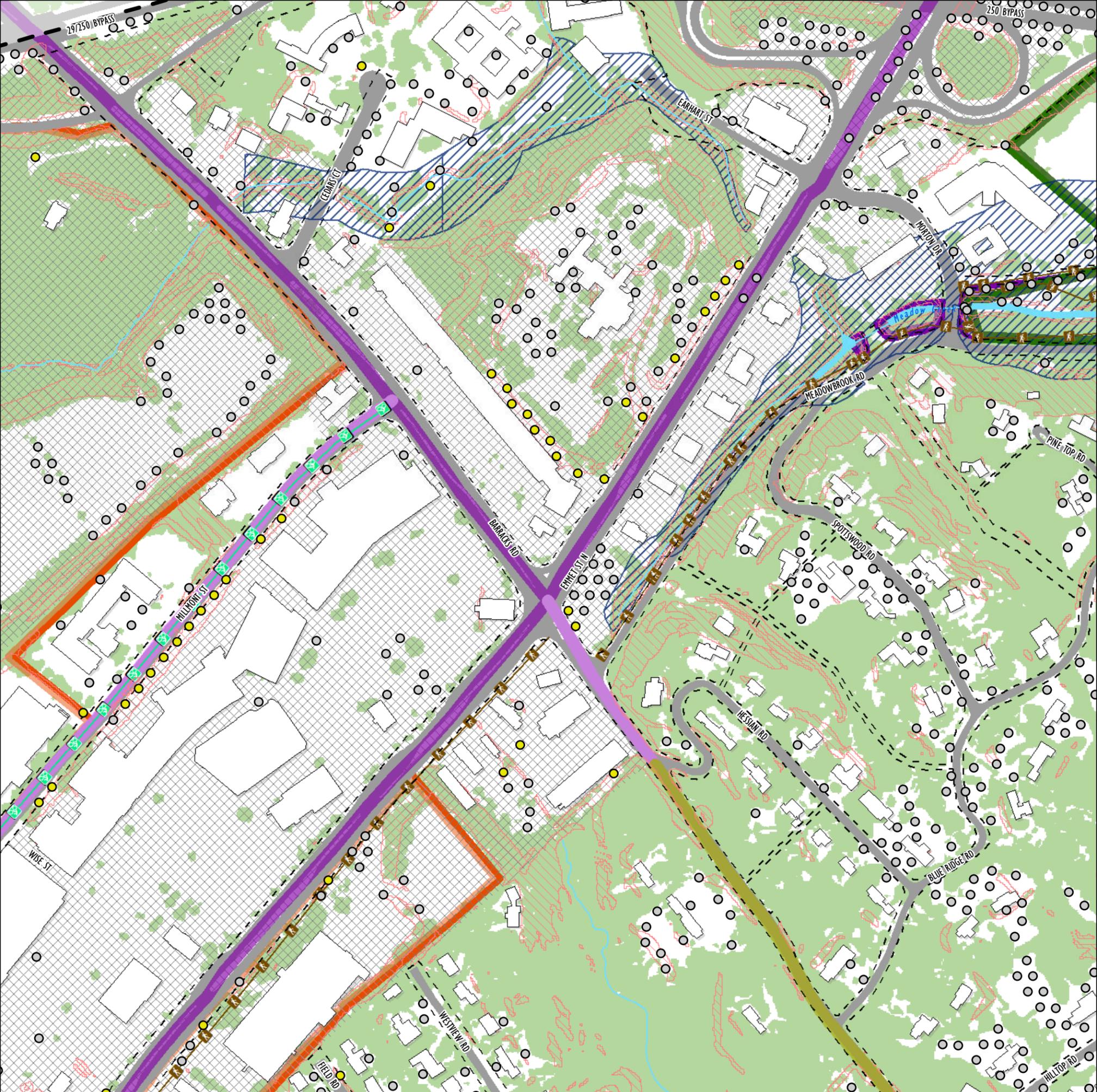
- Mixed Use A
- Mixed Use B
- City Boundary
- City Right-of-Way
- ▨ Entrance Corridor
- ▨ Steep Slopes

- Tree Canopy
- ▭ Park Boundaries
- ▭ School Parcels
- ▭ State-Owned Parcels
- ▭ UVa Parcels
- ▭ City Parcels



This square represents 1 Acre on the map





# Grid C3



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (398)
- Overhead Utility within 15 ft (43)

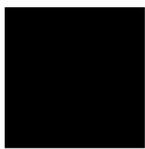
- 🚶 Trails
- 🚲 Bicycle Lanes
- Streams

### Framework Streets - Typology

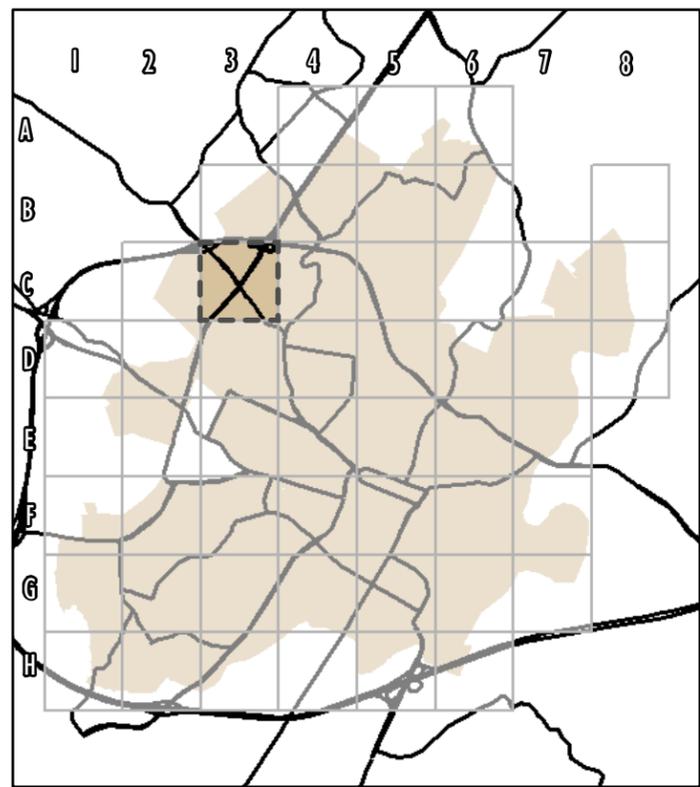
- Mixed Use A
- Mixed Use B
- Neighborhood A

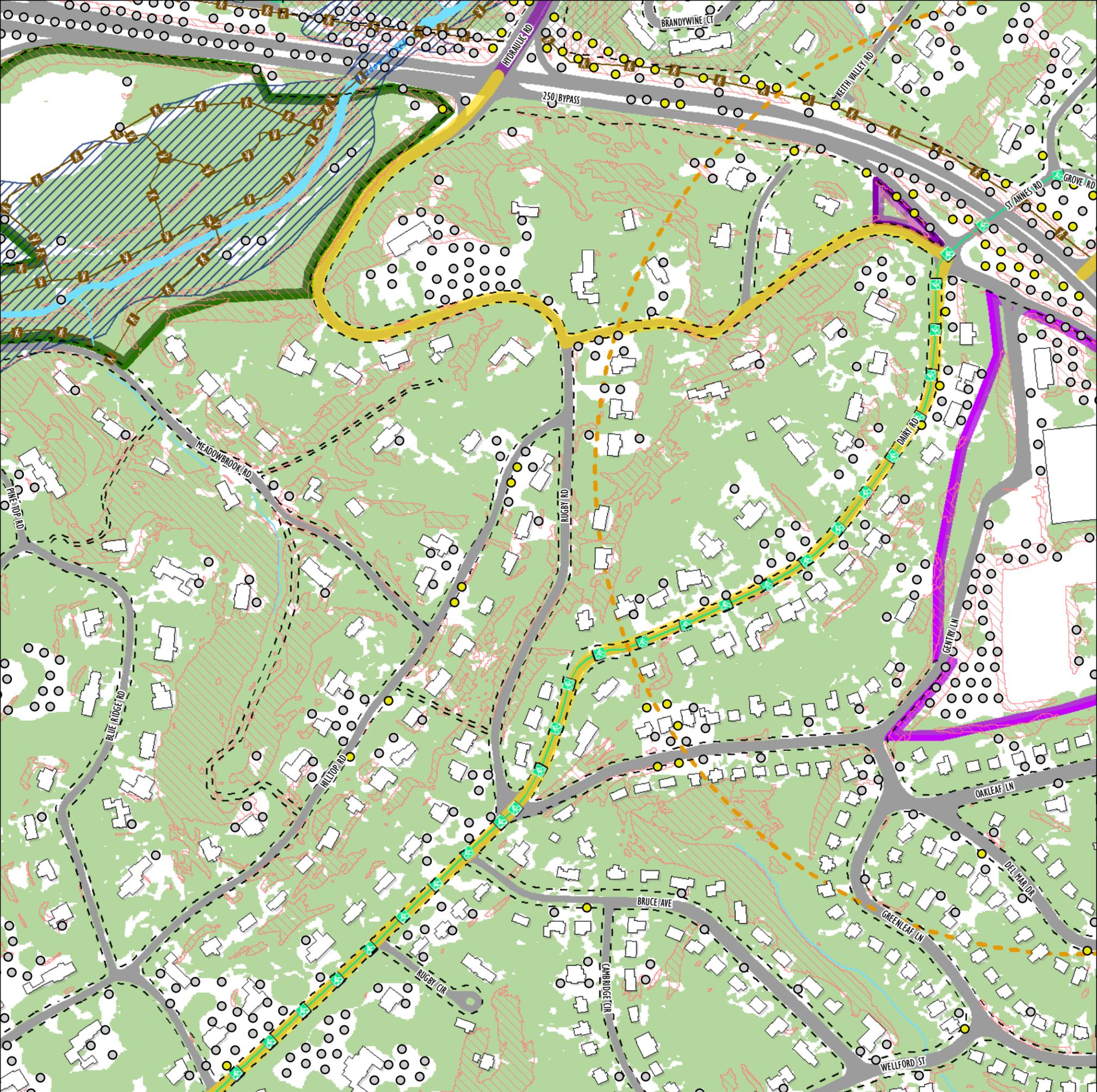
- City Boundary
- City Right-of-Way

- Entrance Corridor
- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid C4



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (491)
- Overhead Utility within 15 ft (68)

- Trails
- Bicycle Lanes

Streams

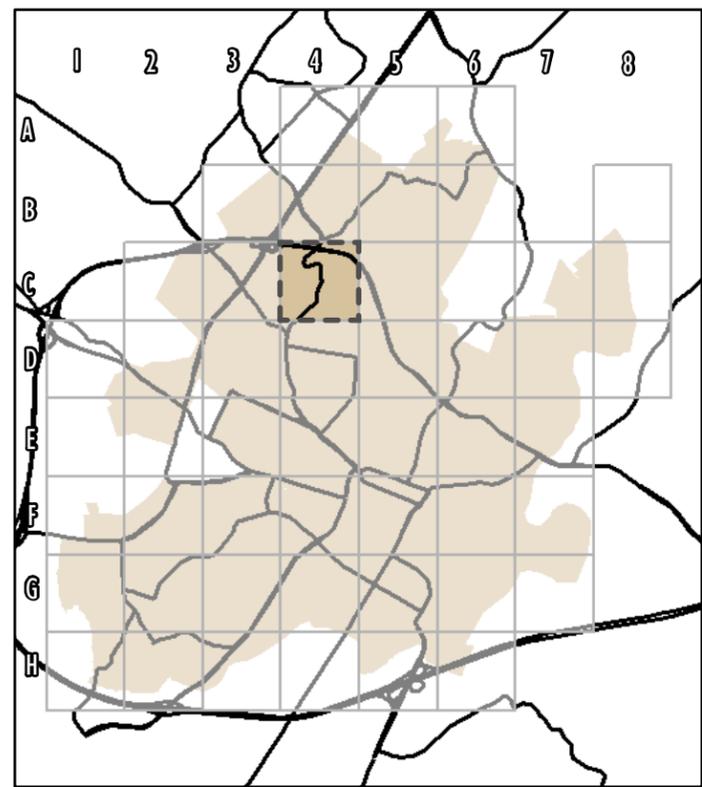
### Framework Streets - Typology

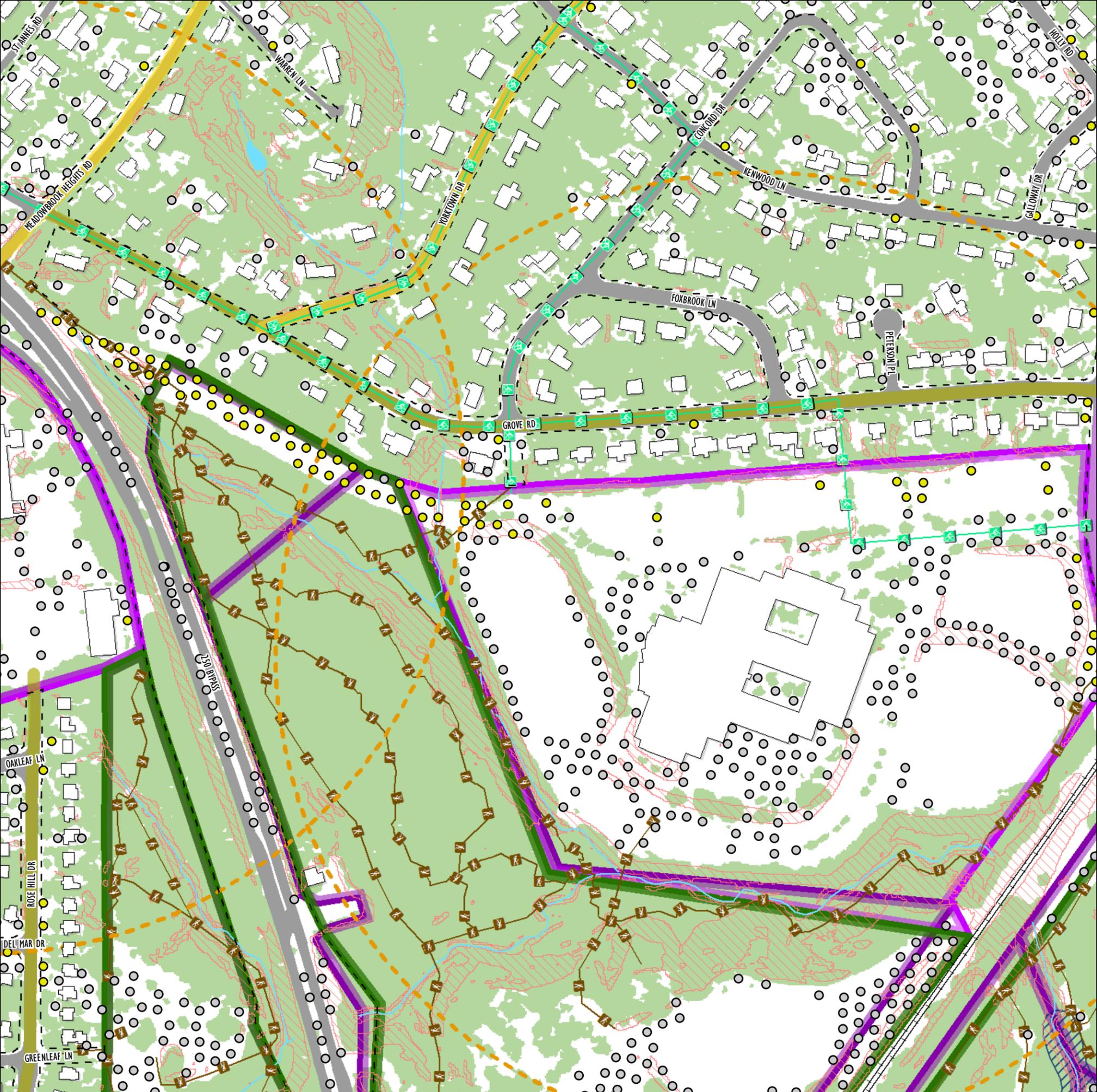
- Mixed Use A
- Neighborhood B
- 5 Minute School Walkzones
- City Right-of-Way
- Entrance Corridor

- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid C5



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (547)
- Overhead Utility within 15 ft (97)

Trails

Bicycle Lanes

Streams

Framework Streets - Typology

Mixed Use B

Neighborhood A

Neighborhood B

5 Minute School Walkzones

City Right-of-Way

100 Year Floodplain

Steep Slopes

Tree Canopy

Park Boundaries

School Parcels

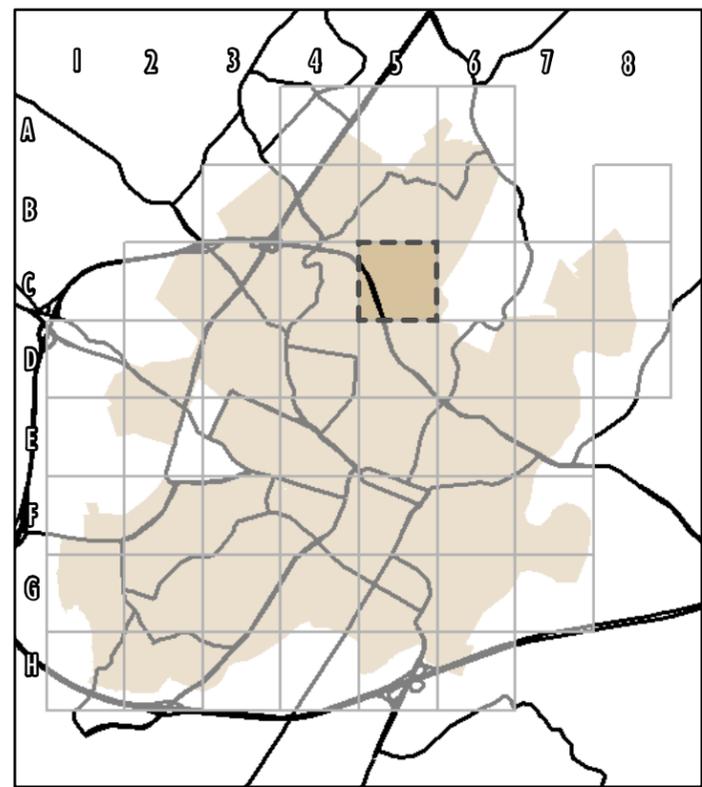
State-Owned Parcels

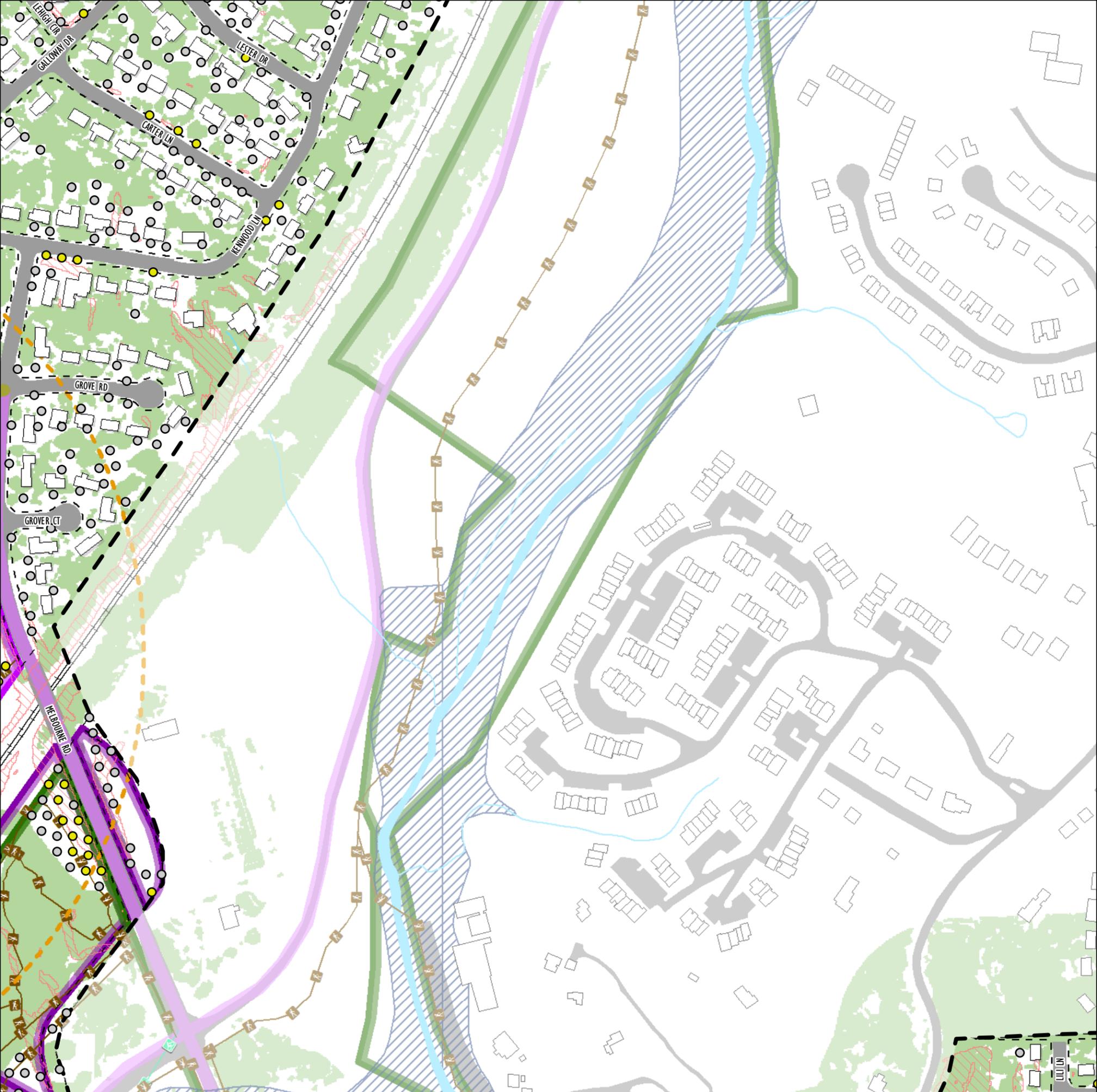
UVa Parcels

City Parcels



This square represents 1 Acre on the map





# Grid C6



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (157)
- Overhead Utility within 15 ft (28)

- Trail icon Trails
- Bicycle Lane icon Bicycle Lanes
- Stream icon Streams

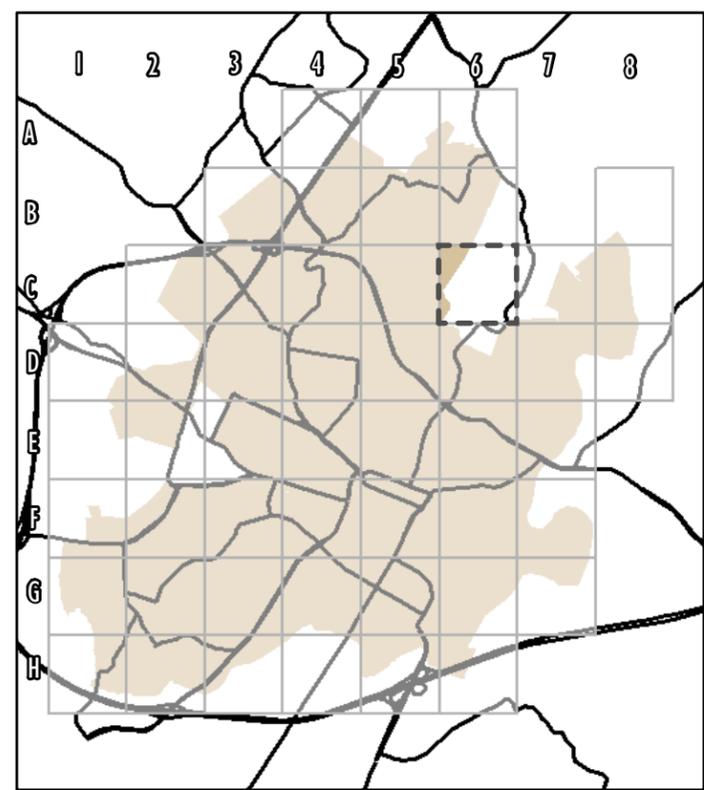
### Framework Streets - Typology

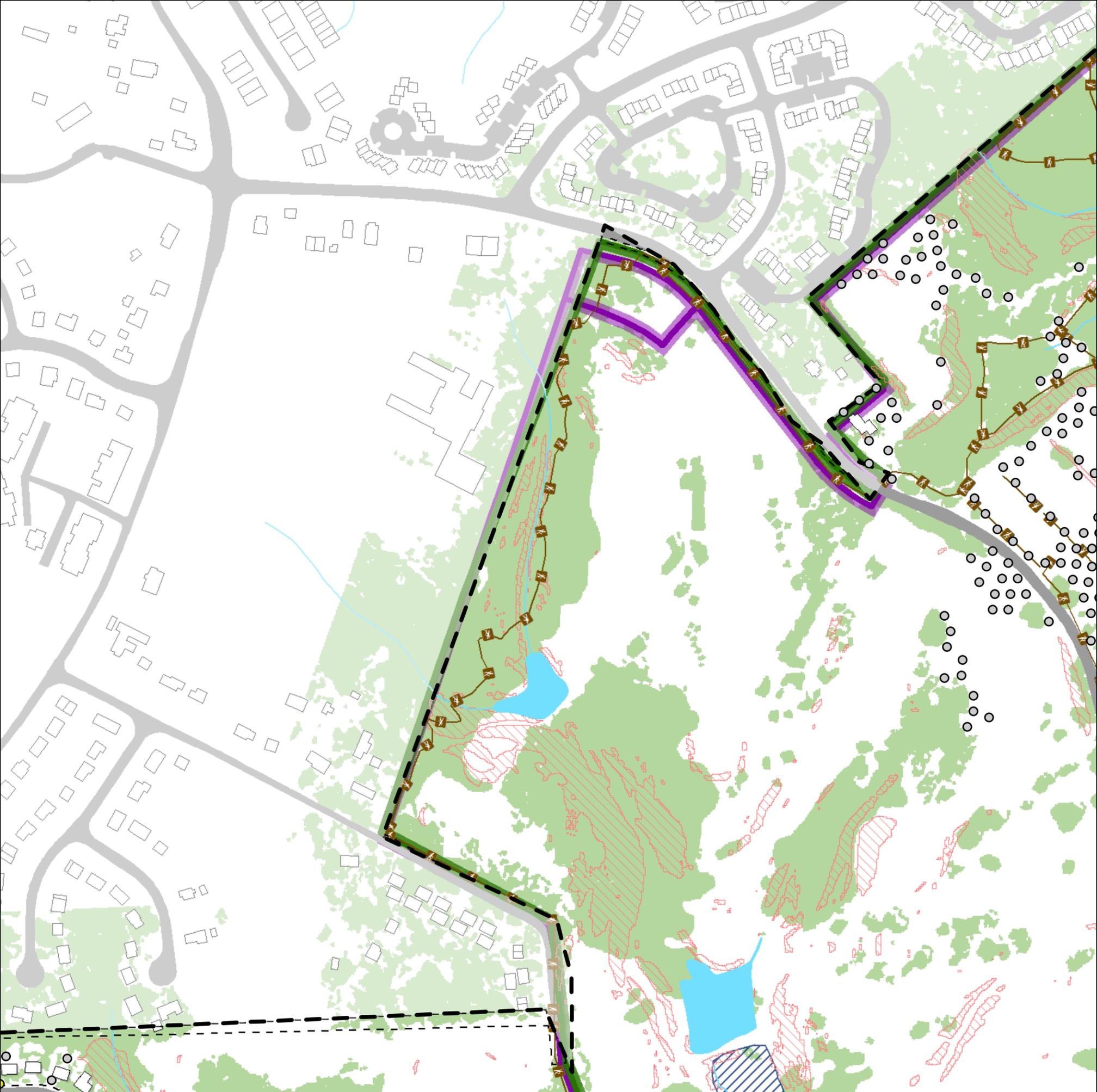
- Mixed Use B
- Neighborhood A
- City Boundary
- 5 Minute School Walkzones
- City Right-of-Way

- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid C7



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (106)
- Overhead Utility within 15 ft (1)

Trails

Streams

City Boundary

City Right-of-Way

100 Year Floodplain

Steep Slopes

Tree Canopy

Park Boundaries

School Parcels

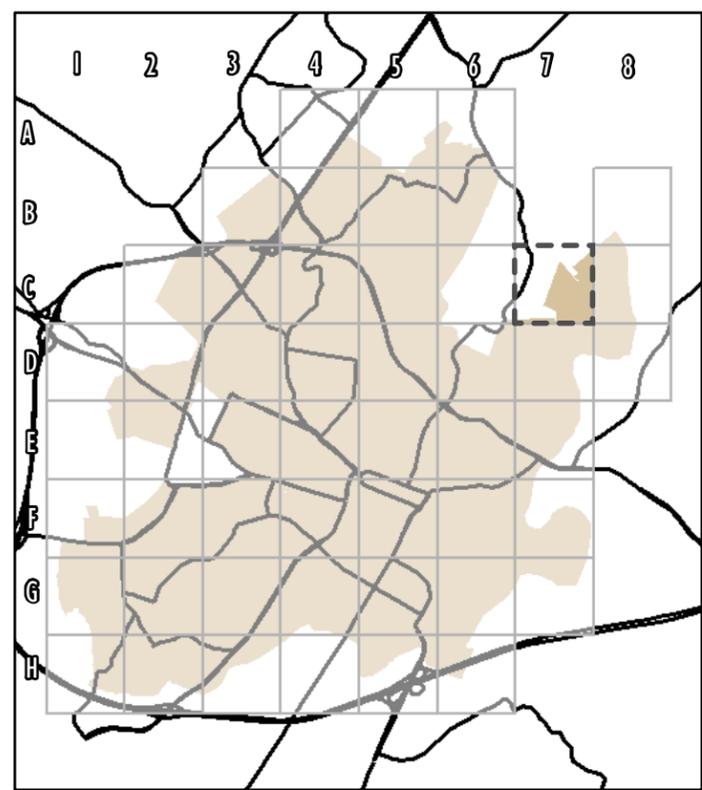
State-Owned Parcels

UVa Parcels

City Parcels



This square represents 1 Acre on the map





# Grid C8



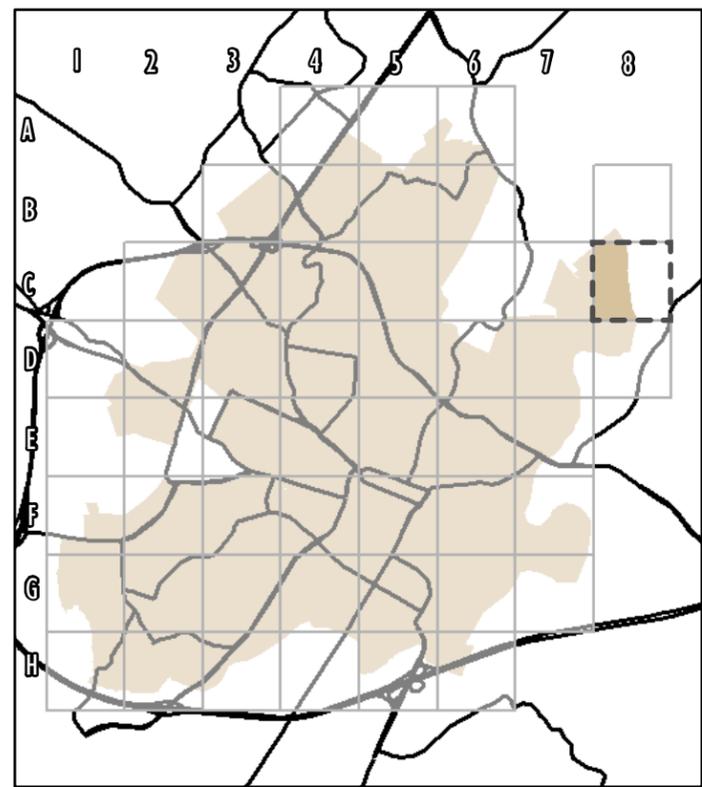
## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (153)
- Trails
- Streams
- City Boundary
- City Right-of-Way
- ▨ 100 Year Floodplain
- ▨ Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid D1



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (36)
- Overhead Utility within 15 ft (1)

Streams

### Framework Streets - Typology

Mixed Use B

City Boundary

City Right-of-Way

Entrance Corridor

Steep Slopes

Tree Canopy

Park Boundaries

School Parcels

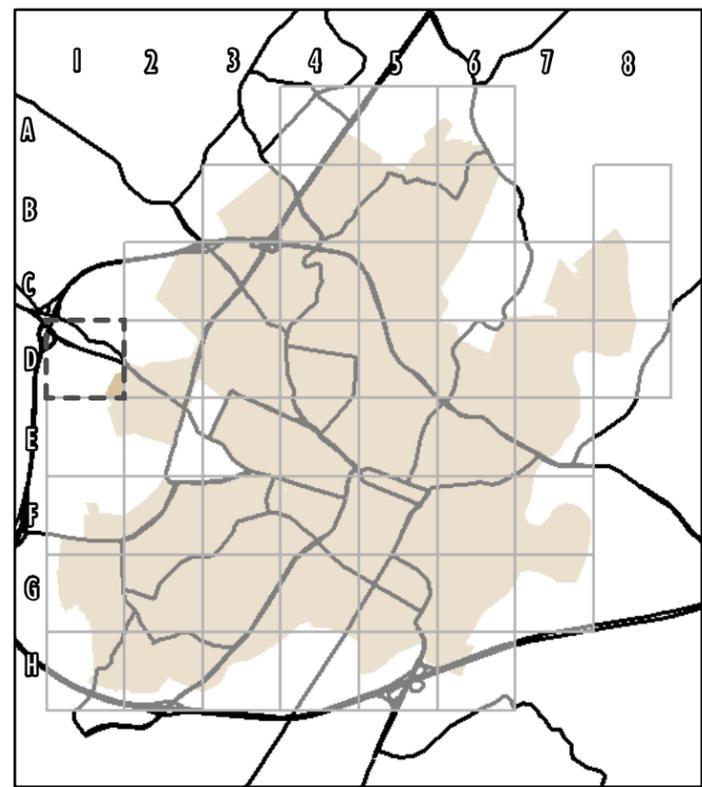
State-Owned Parcels

UVa Parcels

City Parcels



This square represents 1 Acre on the map





# Grid D2

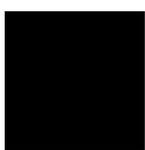


## Legend

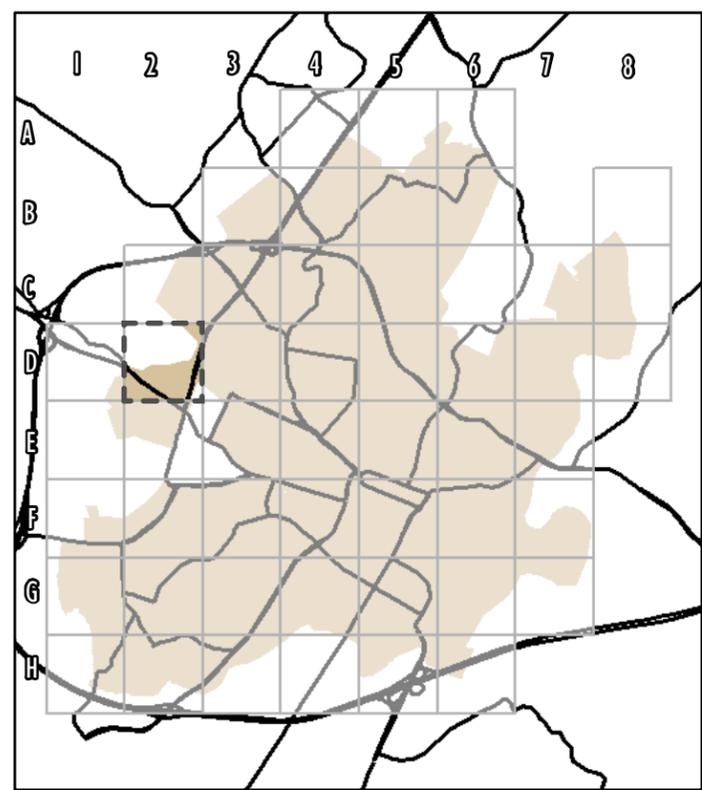
### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (356)
- Overhead Utility within 15 ft (31)
- Trails
- Bicycle Lanes
- Streams
- Framework Streets - Typology**
- Mixed Use A
- Mixed Use B
- Neighborhood B
- City Boundary
- City Right-of-Way

- Entrance Corridor
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid D3

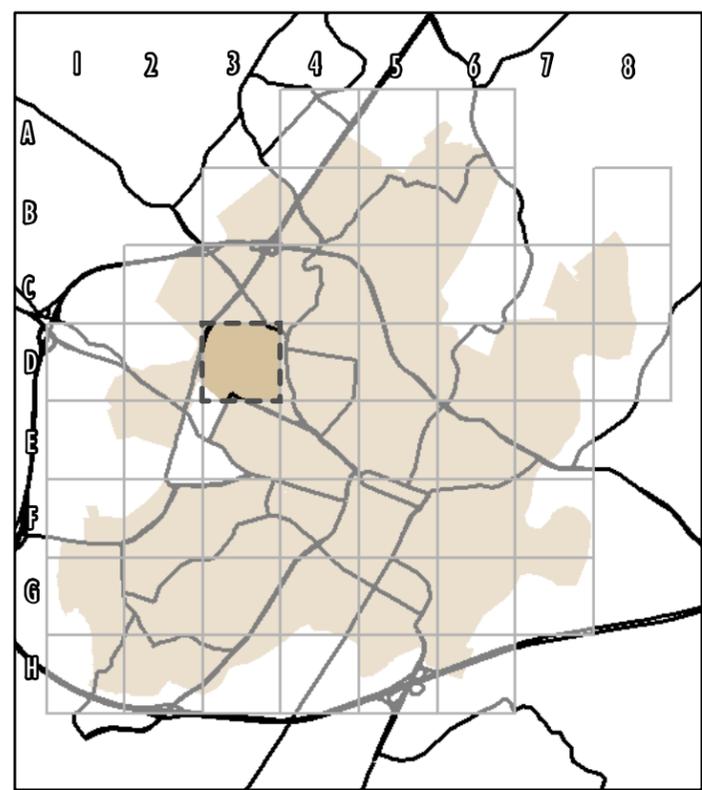


## Legend

- Potential Tree Planting Locations**
  - No Overhead Utility within 15 ft (428)
  - Overhead Utility within 15 ft (40)
- Framework Streets - Typology**
  - Mixed Use A
  - Neighborhood A
  - Neighborhood B
- Other Features**
  - Trails
  - Bicycle Lanes
  - Streams
  - City Right-of-Way
  - Entrance Corridor
  - Steep Slopes
  - Tree Canopy
  - Park Boundaries
  - School Parcels
  - State-Owned Parcels
  - UVa Parcels
  - City Parcels
  - City Boundary
  - 5 Minute School Walkzones



This square represents 1 Acre on the map





# Grid D4



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (491)
- Overhead Utility within 15 ft (43)
- Trails
- Bicycle Lanes
- Streams

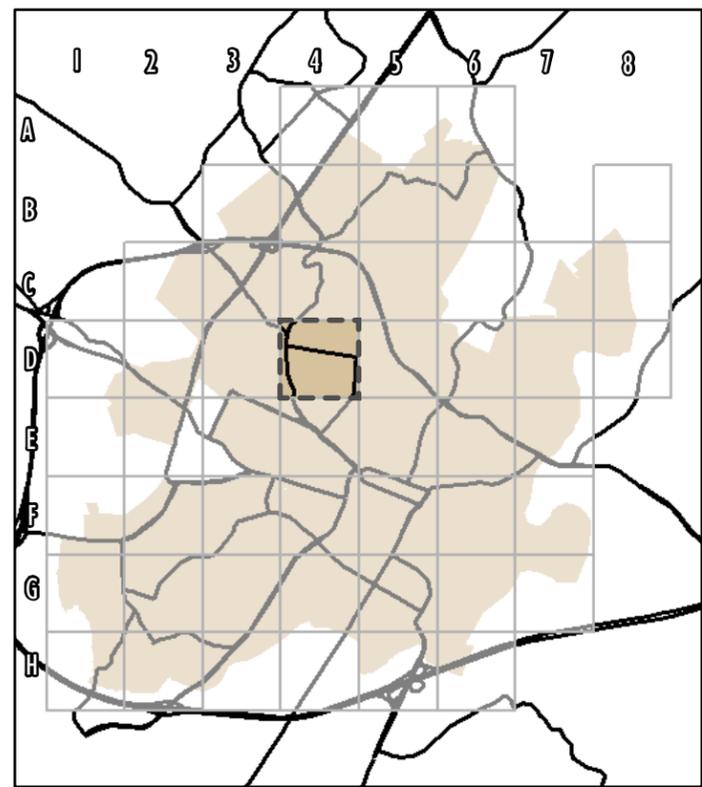
### Framework Streets - Typology

- Neighborhood A
- Neighborhood B
- 5 Minute School Walkzones
- City Right-of-Way
- Steep Slopes

- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid D5



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (944)
- Overhead Utility within 15 ft (37)

- Trails
- Bicycle Lanes

Streams

### Framework Streets - Typology

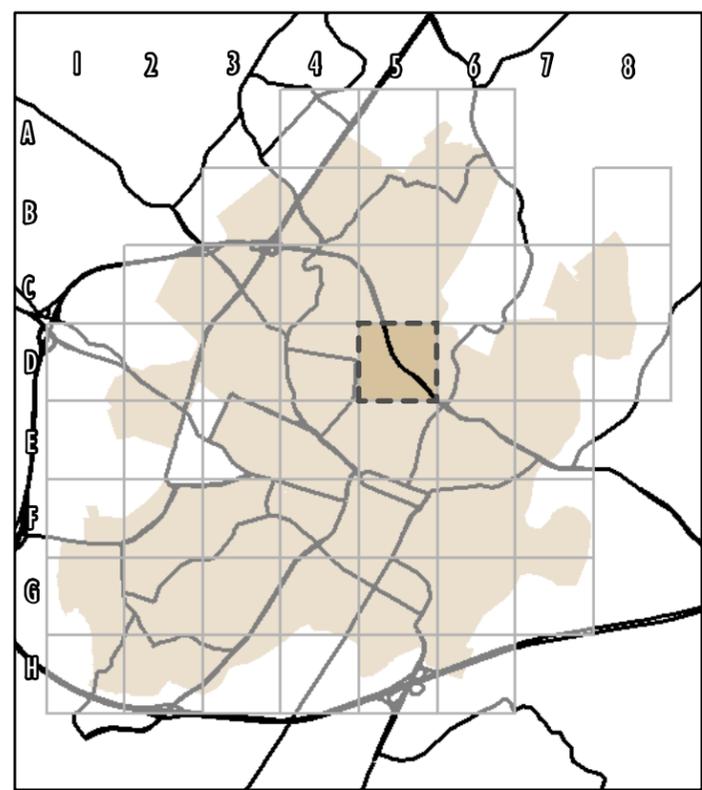
- Industrial
- Mixed Use B
- Neighborhood A

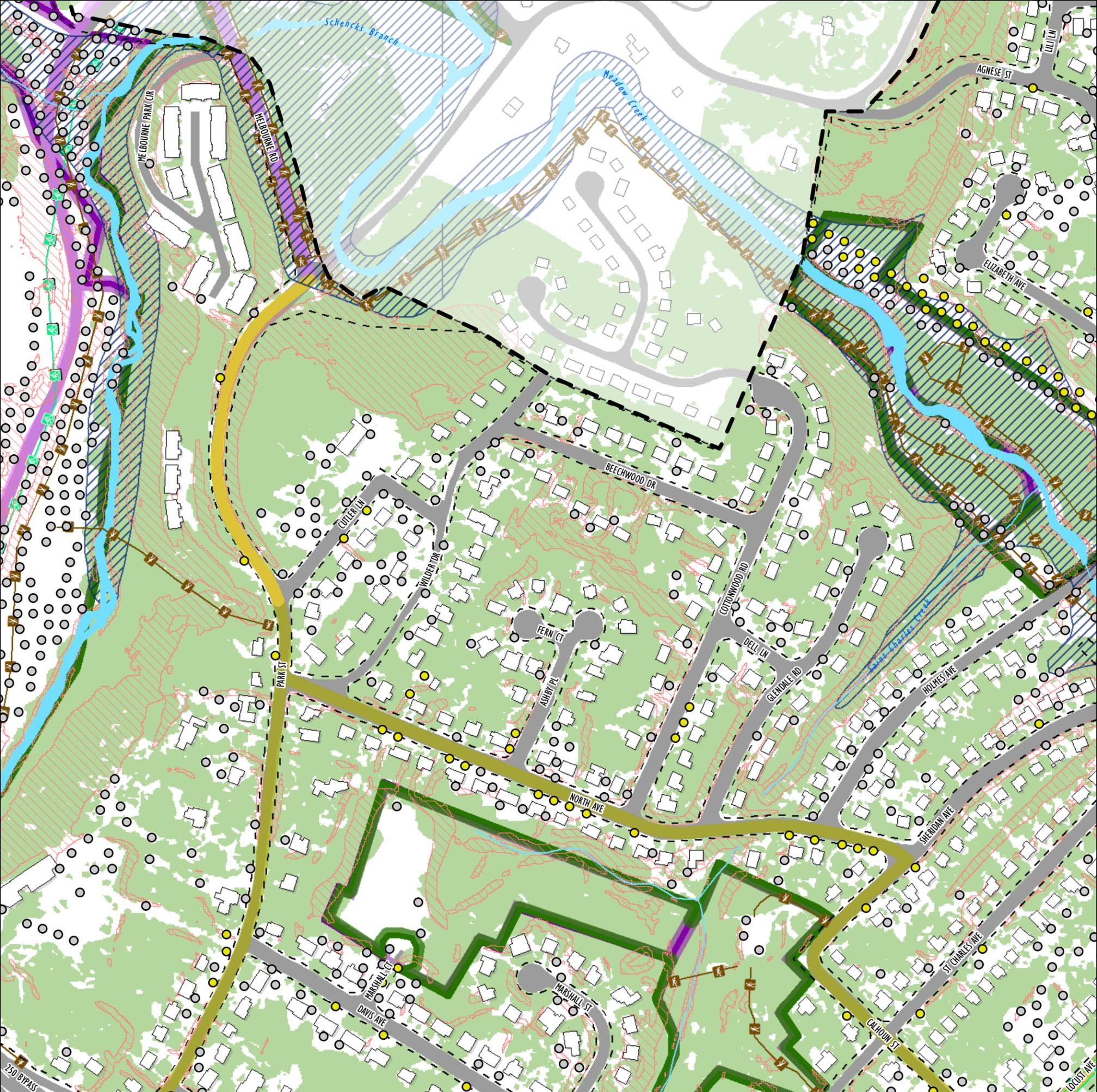
- 5 Minute School Walkzones
- City Right-of-Way

- Entrance Corridor
- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid D6



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (473)
- Overhead Utility within 15 ft (74)

- Trails
- Bicycle Lanes
- Streams

### Framework Streets - Typology

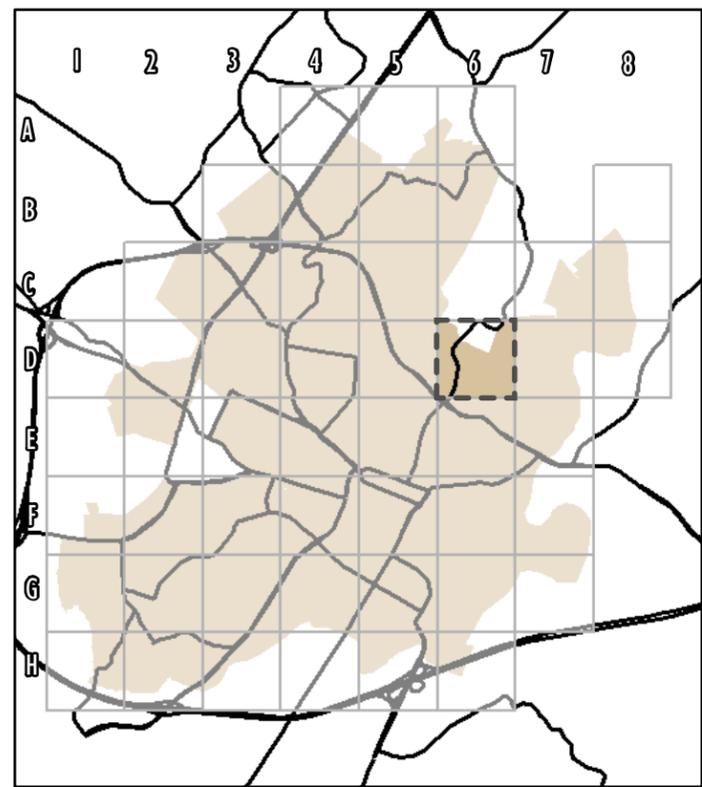
- Mixed Use B
- Neighborhood A
- Neighborhood B

- City Boundary
- City Right-of-Way

- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid D7



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (402)
- Overhead Utility within 15 ft (114)
- Trails
- Bicycle Lanes
- Streams

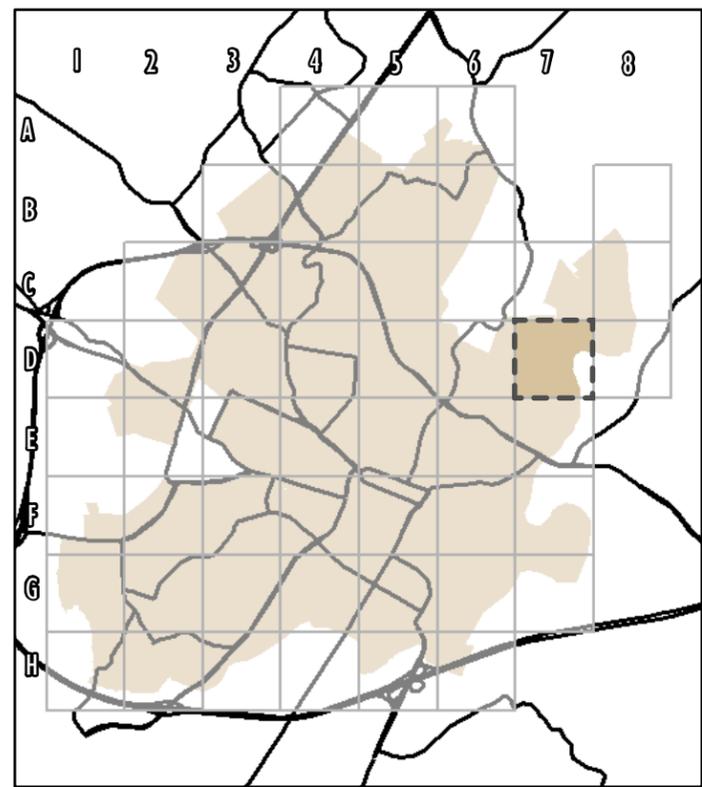
### Framework Streets - Typology

- Industrial
- Neighborhood B
- City Boundary
- City Right-of-Way
- 100 Year Floodplain

- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid D8



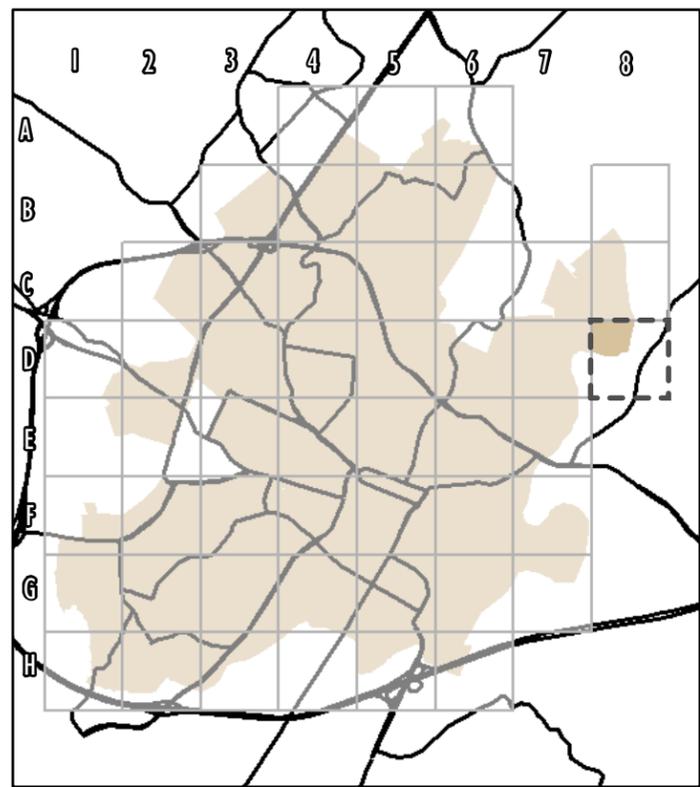
## Legend

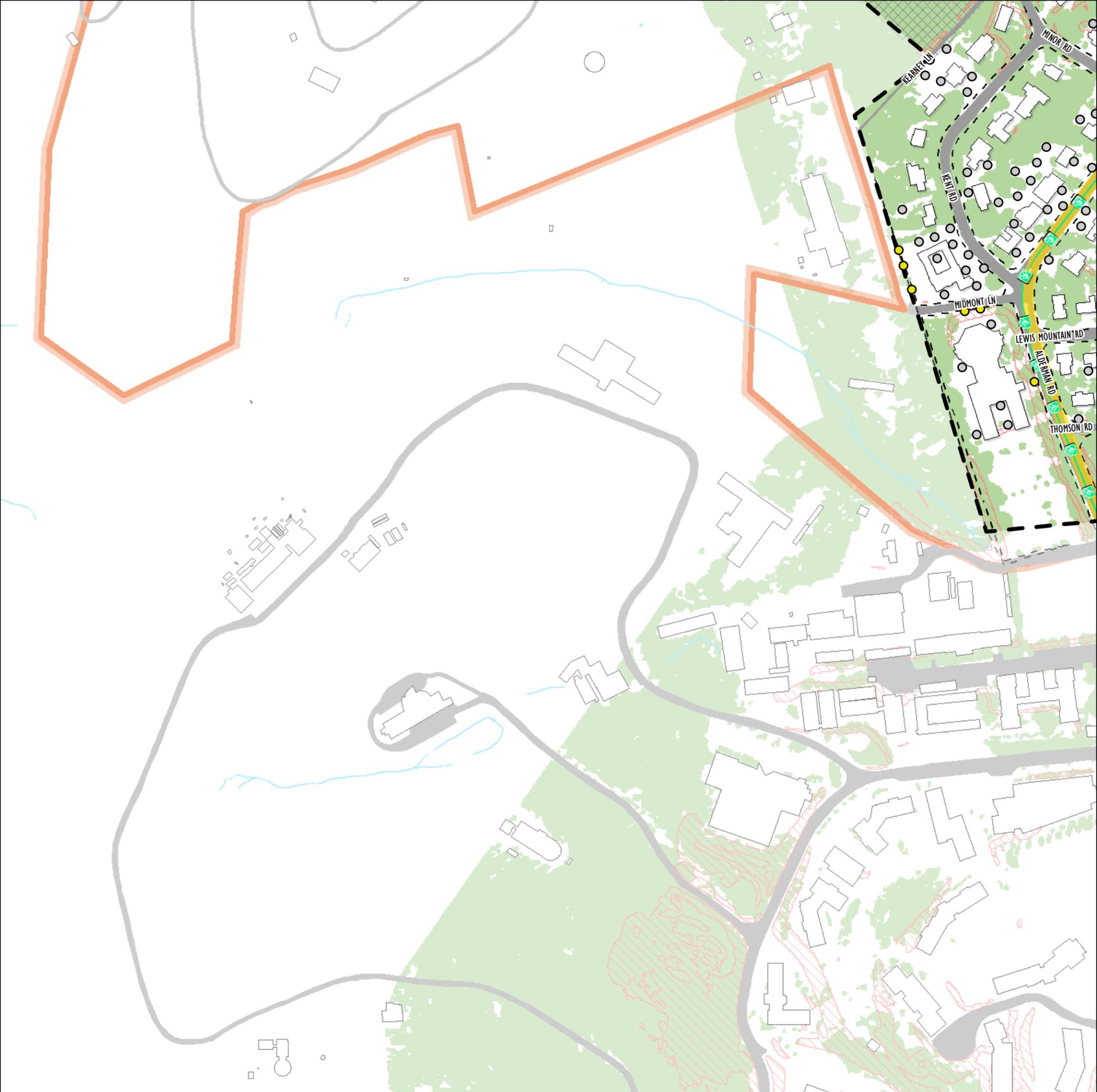
### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (1)
- Trails
- Streams
- City Boundary
- City Right-of-Way
- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid E1

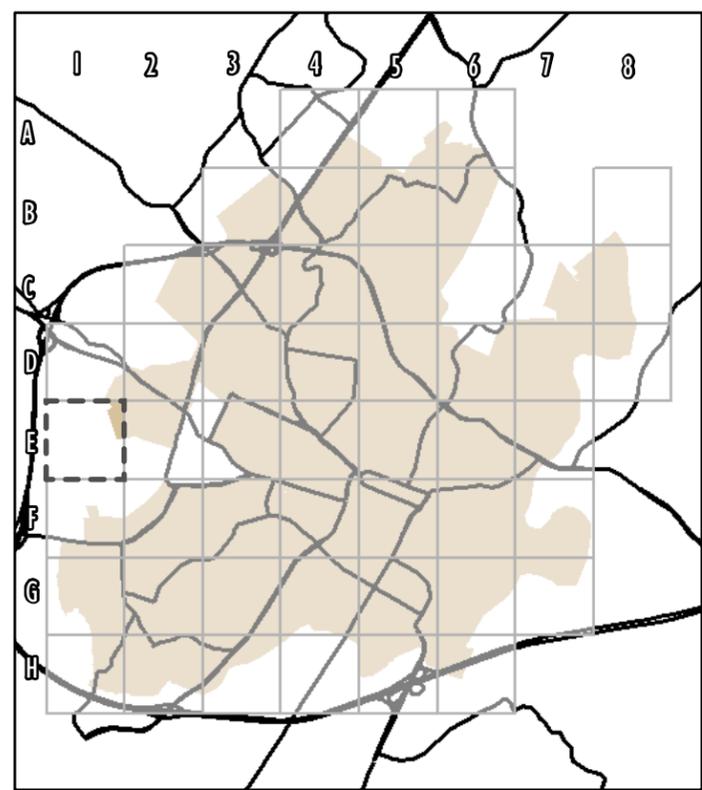


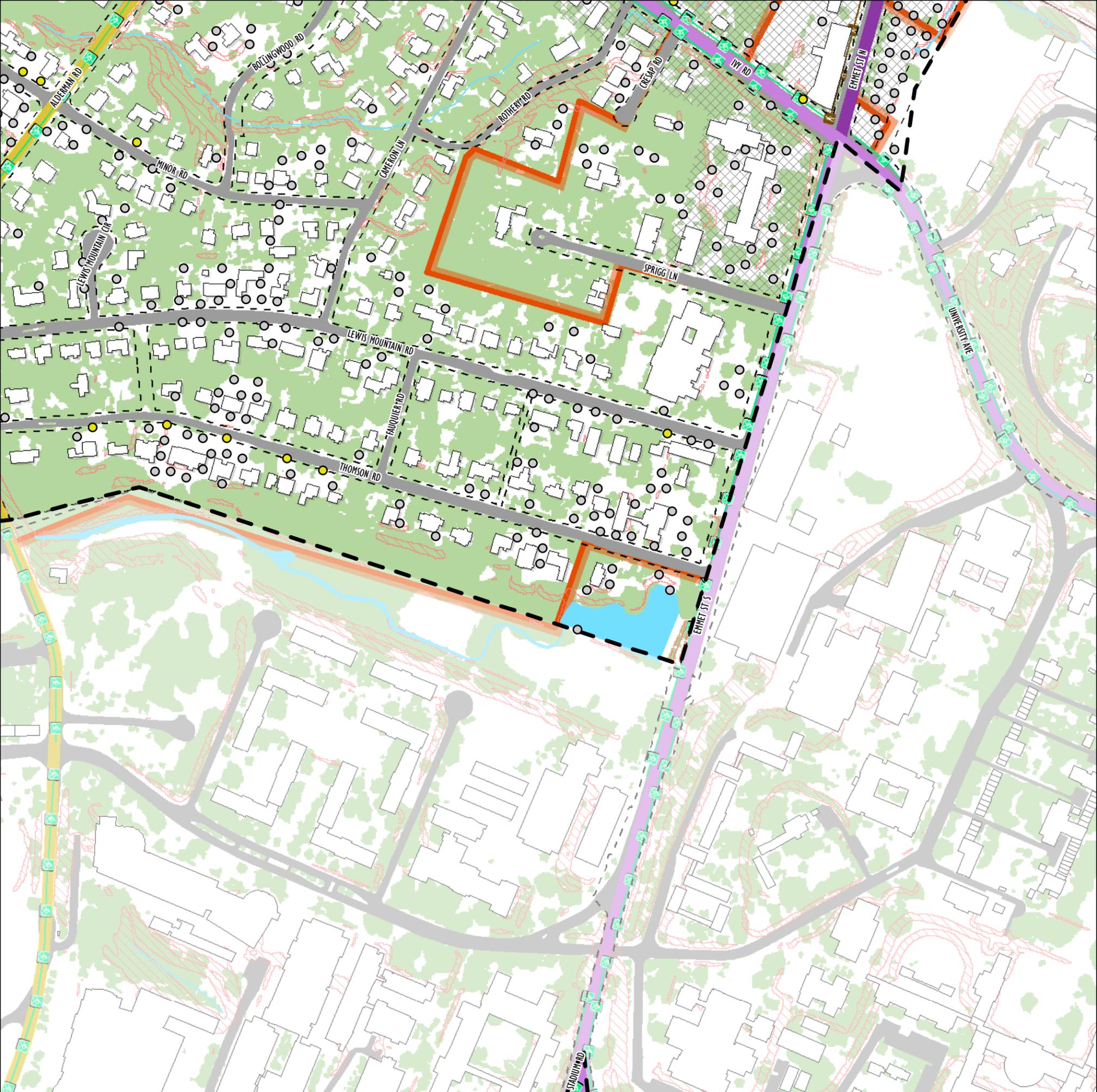
## Legend

- Potential Tree Planting Locations**
- No Overhead Utility within 15 ft (47)
  - Overhead Utility within 15 ft (6)
  - Bicycle Lanes
  - Streams
- Framework Streets - Typology**
- Neighborhood B
  - City Boundary
  - City Right-of-Way
  - Entrance Corridor
  - Steep Slopes
  - Tree Canopy
- Park Boundaries
  - School Parcels
  - State-Owned Parcels
  - UVa Parcels
  - City Parcels



This square represents 1 Acre on the map





# Grid E2



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (209)
- Overhead Utility within 15 ft (11)

- Trails
- Bicycle Lanes

Streams

### Framework Streets - Typology

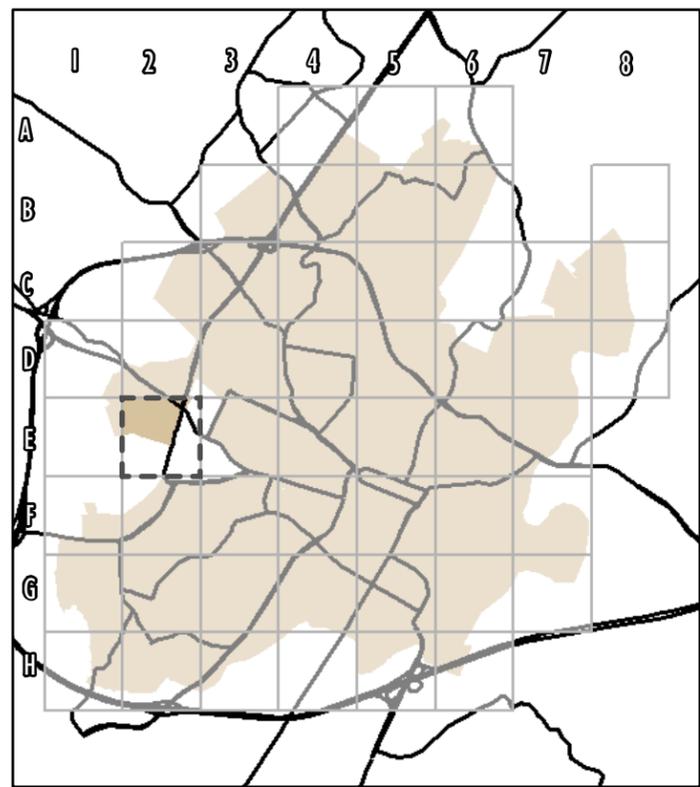
- Mixed Use A
- Mixed Use B
- Neighborhood B

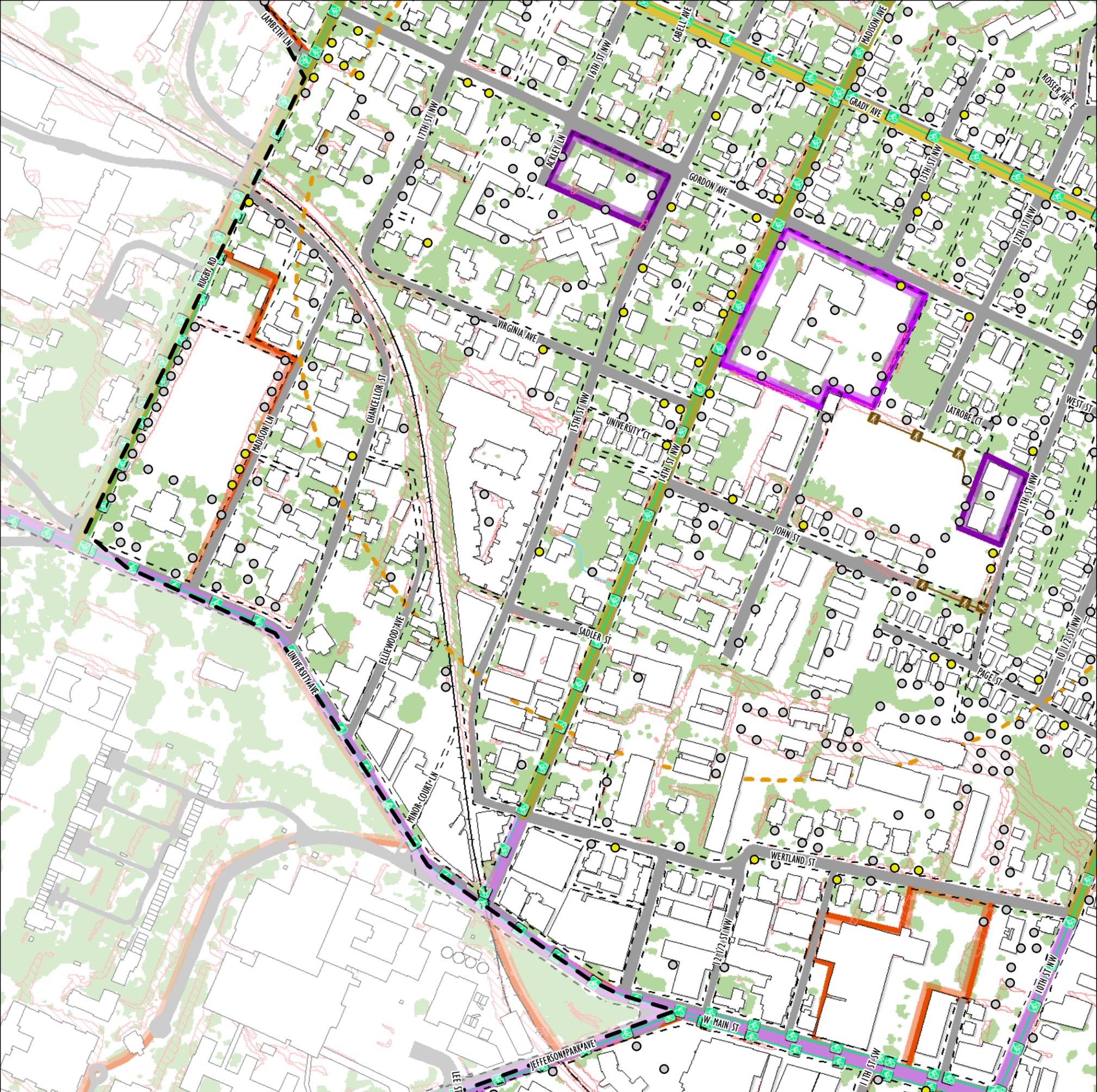
- City Boundary
- City Right-of-Way

- Entrance Corridor
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid E3



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (301)
- Overhead Utility within 15 ft (52)

- Trails
- Bicycle Lanes

Streams

### Framework Streets - Typology

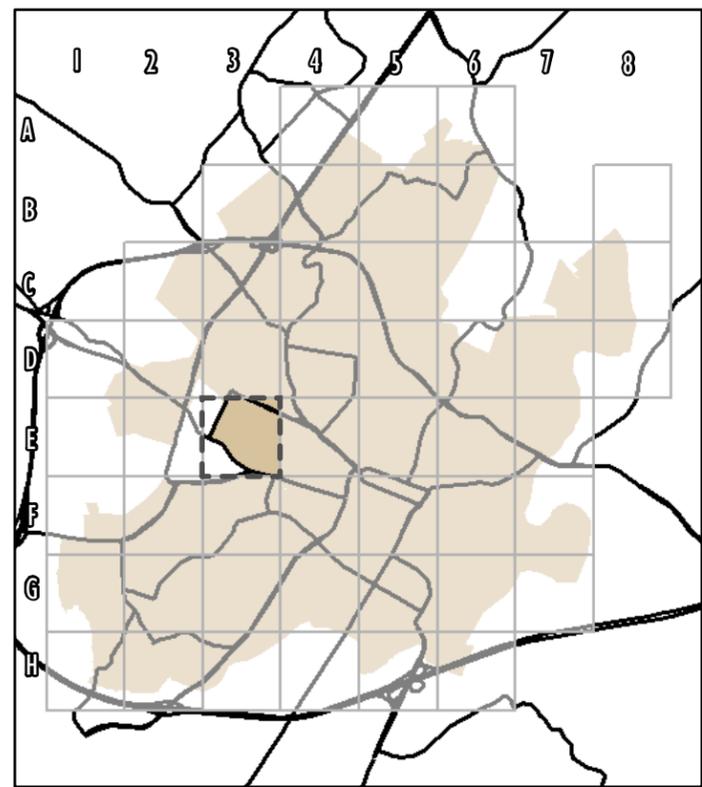
- Mixed Use B
- Neighborhood A
- Neighborhood B

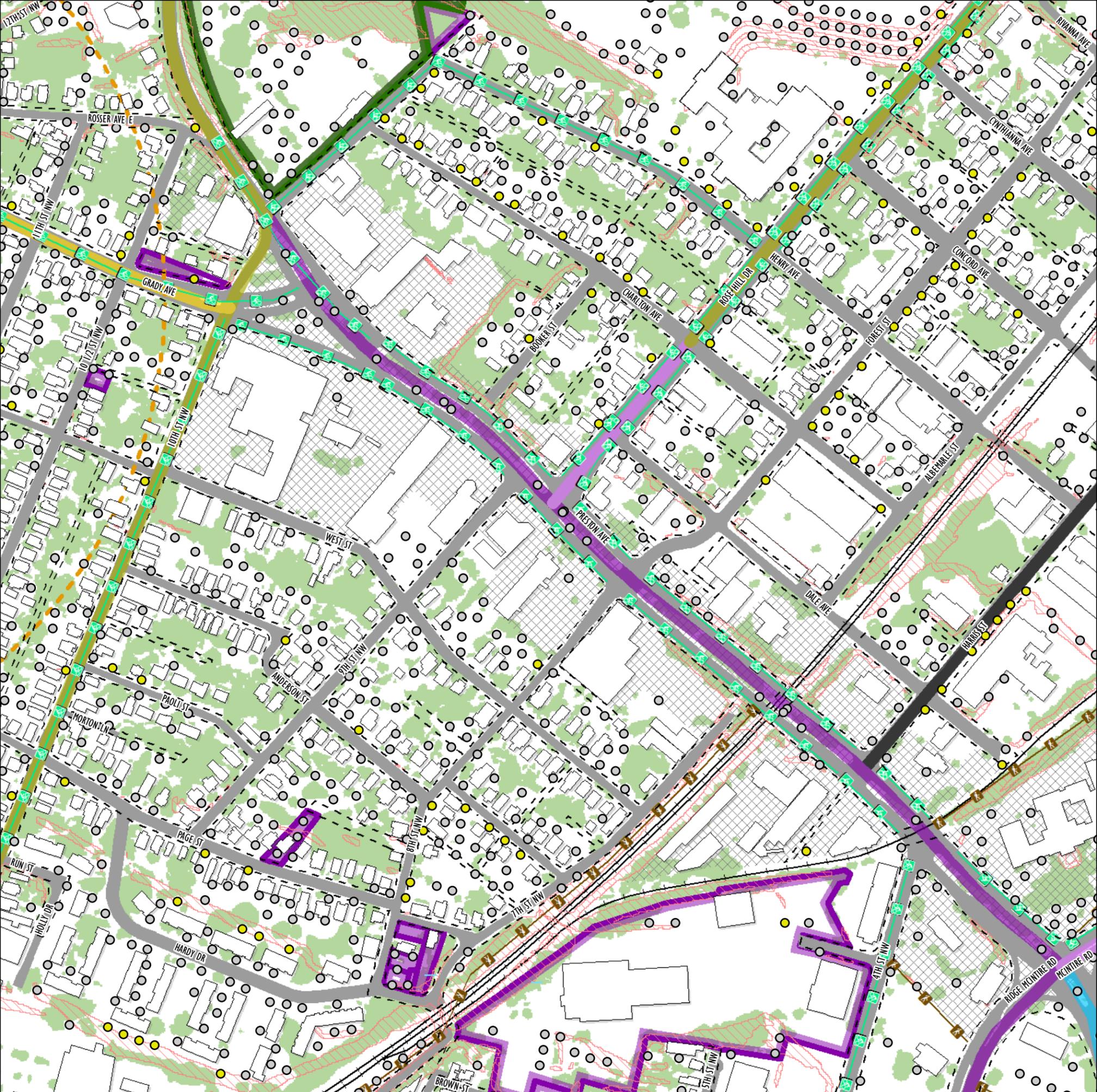
- City Boundary
- 5 Minute School Walkzones

- City Right-of-Way
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVA Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid E4



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (740)
- Overhead Utility within 15 ft (102)

- Trails
- Bicycle Lanes

- Streams

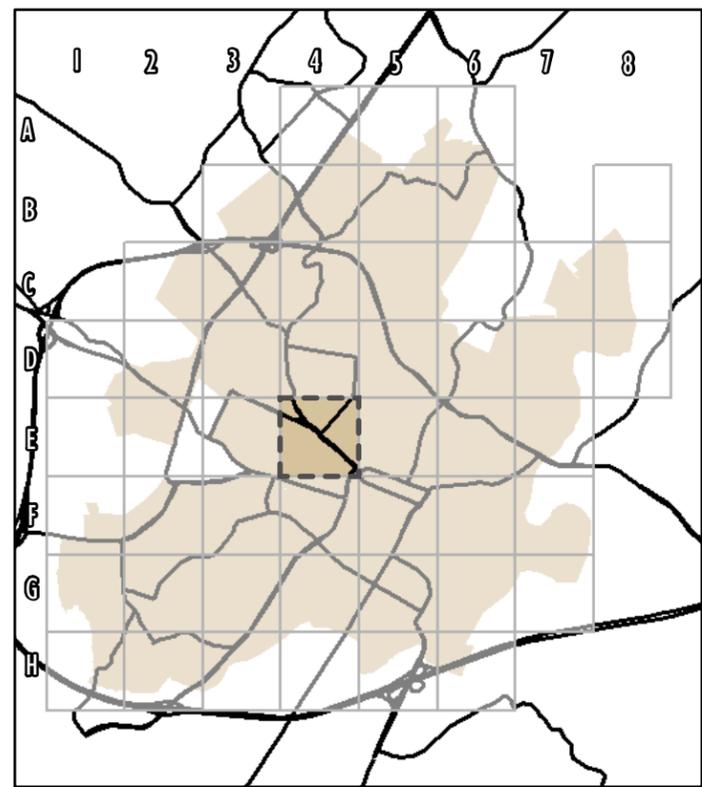
### Framework Streets - Typology

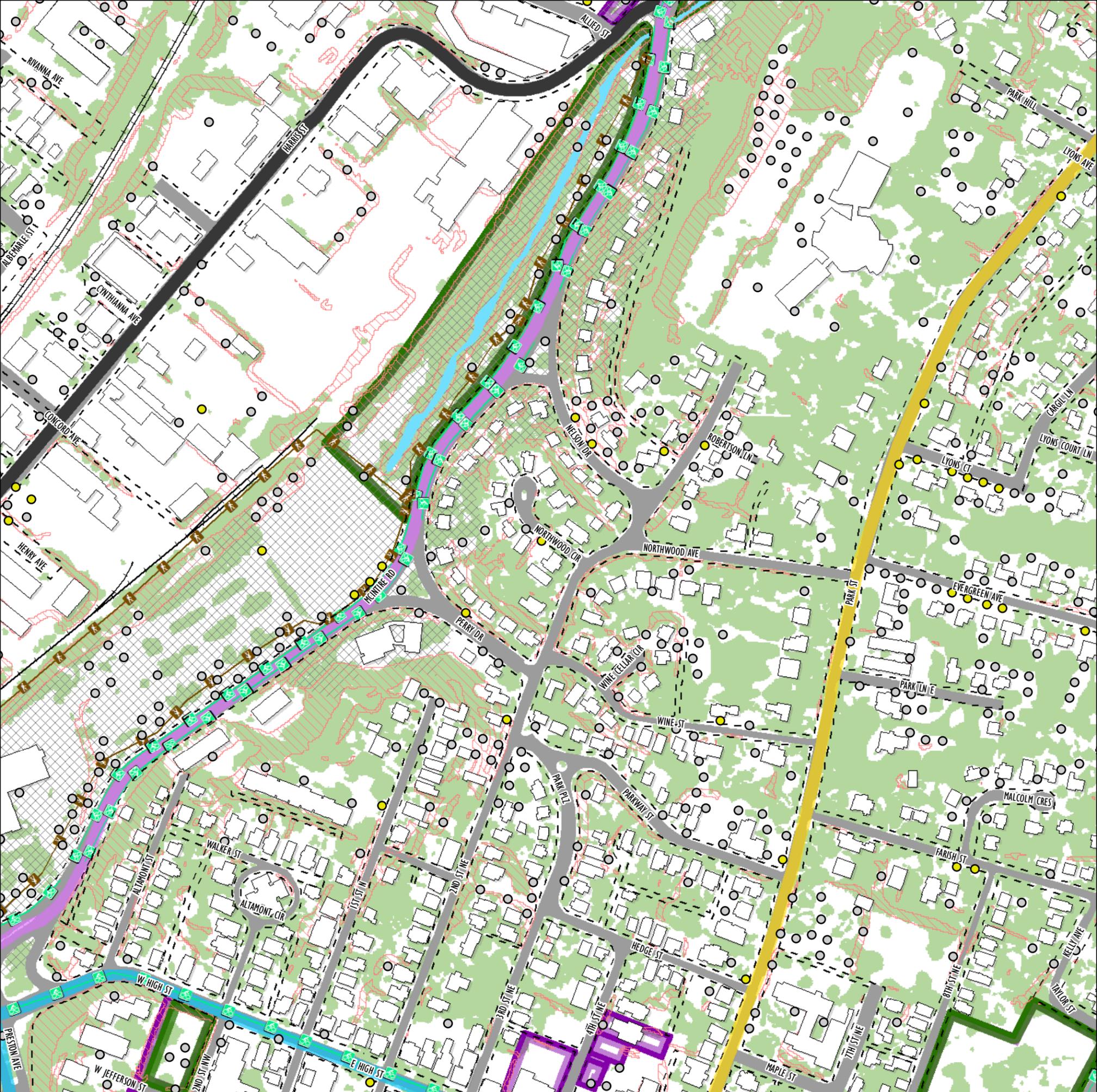
- Downtown
- Industrial
- Mixed Use A
- Mixed Use B
- Neighborhood A

- Neighborhood B
- 5 Minute School Walkzones
- City Right-of-Way
- Entrance Corridor
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





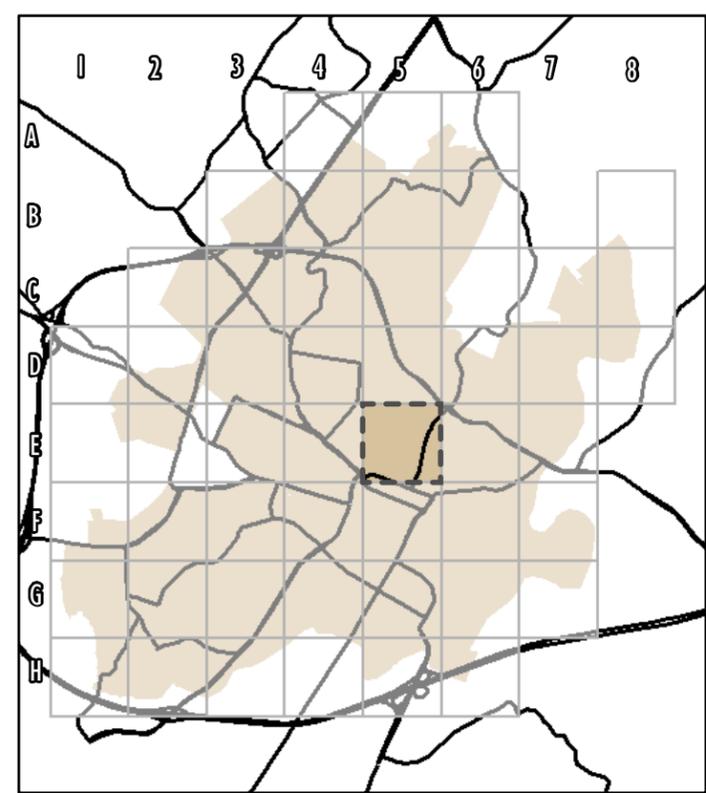
# Grid E5

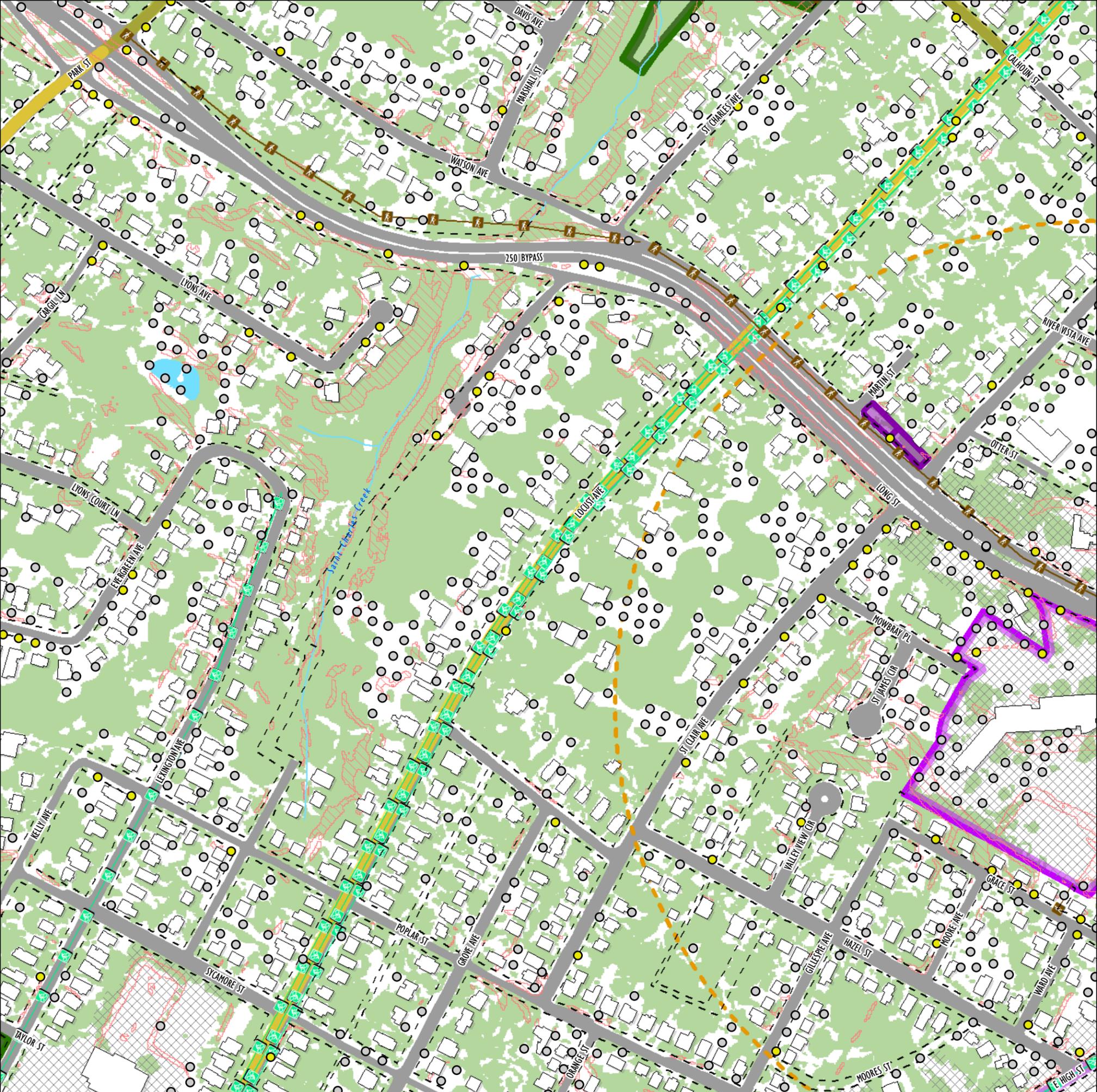


## Legend

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>Potential Tree Planting Locations</li> <li>○ No Overhead Utility within 15 ft (421)</li> <li>● Overhead Utility within 15 ft (37)</li> <li>Trail</li> <li>Bicycle Lanes</li> <li>Streams</li> <li>Framework Streets - Typology</li> <li>Downtown</li> <li>Industrial</li> <li>Mixed Use B</li> <li>Neighborhood B</li> <li>City Right-of-Way</li> </ul> | <ul style="list-style-type: none"> <li>Entrance Corridor</li> <li>Steep Slopes</li> <li>Tree Canopy</li> <li>Park Boundaries</li> <li>School Parcels</li> <li>State-Owned Parcels</li> <li>UVA Parcels</li> <li>City Parcels</li> </ul> |
|--|---|

This square represents 1 Acre on the map





# Grid E6

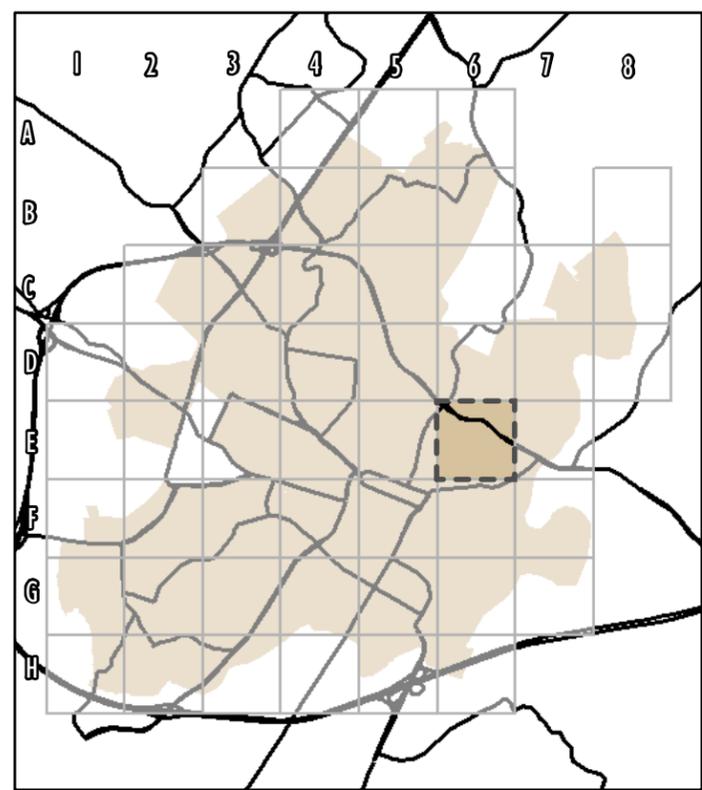


## Legend

- |  |                        |
|--|------------------------|
| <b>Potential Tree Planting Locations</b> |                        |
| ○ No Overhead Utility within 15 ft (672) | ▨ Entrance Corridor    |
| ● Overhead Utility within 15 ft (81)     | ▨ Steep Slopes         |
| 🚶 Trails                                 | 🌳 Tree Canopy          |
| 🚲 Bicycle Lanes                          | 🏞️ Park Boundaries     |
| 🌊 Streams                                | 🎓 School Parcels       |
| <b>Framework Streets - Typology</b>      |                        |
| 🟪 Mixed Use B                            | 🏛️ State-Owned Parcels |
| 🟩 Neighborhood A                         | 🏠 UVa Parcels          |
| 🟨 Neighborhood B                         | 🏡 City Parcels         |
| 🟧 5 Minute School Walkzones              |                        |
| ⬜ City Right-of-Way                      |                        |



This square represents 1 Acre on the map





# Grid E7



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (501)
- Overhead Utility within 15 ft (66)

- Trails
- Bicycle Lanes

Streams

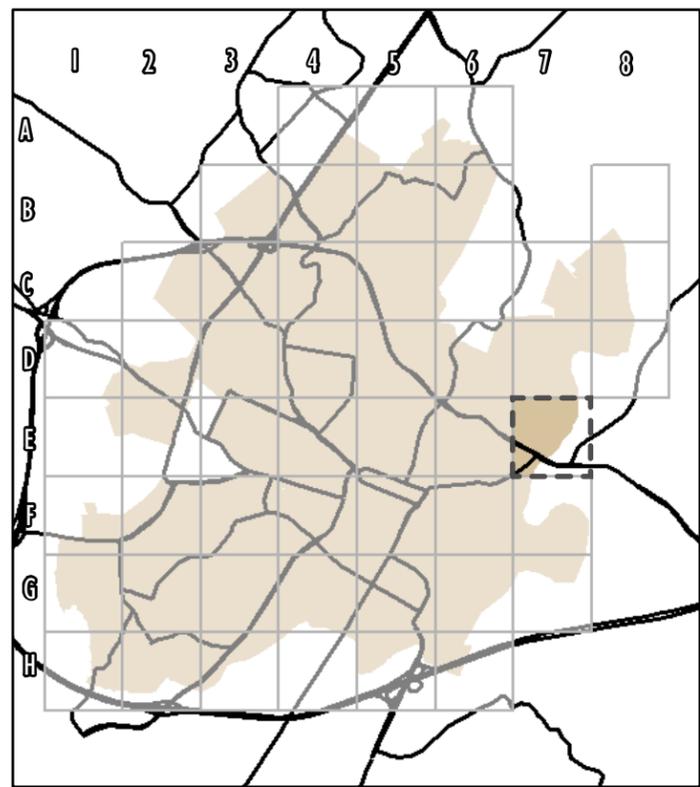
### Framework Streets - Typology

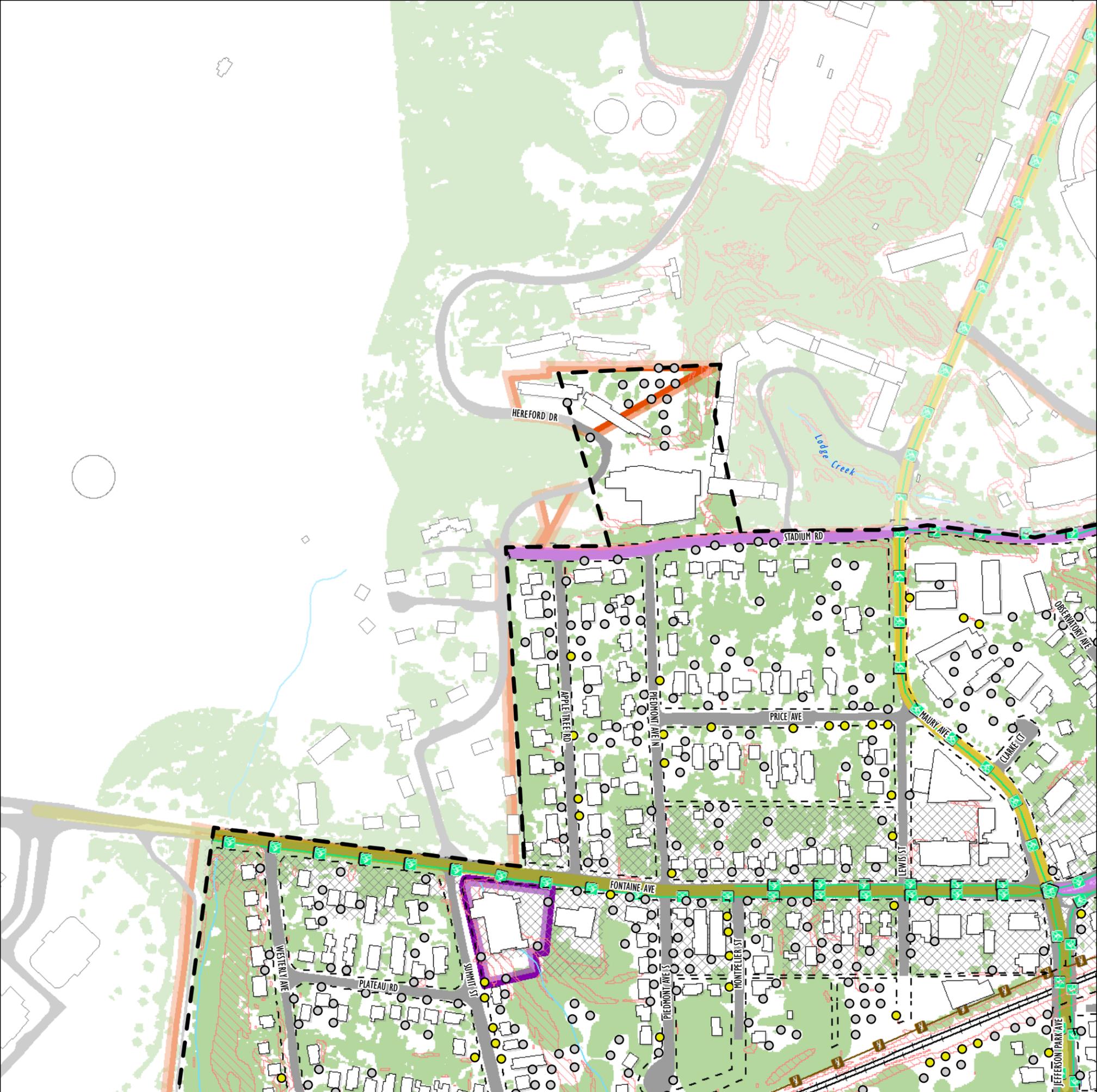
- Industrial
- Mixed Use B
- City Boundary
- 5 Minute School Walkzones
- City Right-of-Way

- Entrance Corridor
- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid F1



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (257)
- Overhead Utility within 15 ft (41)

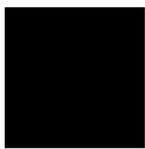
- 🚶 Trails
- 🚲 Bicycle Lanes
- Streams

### Framework Streets - Typology

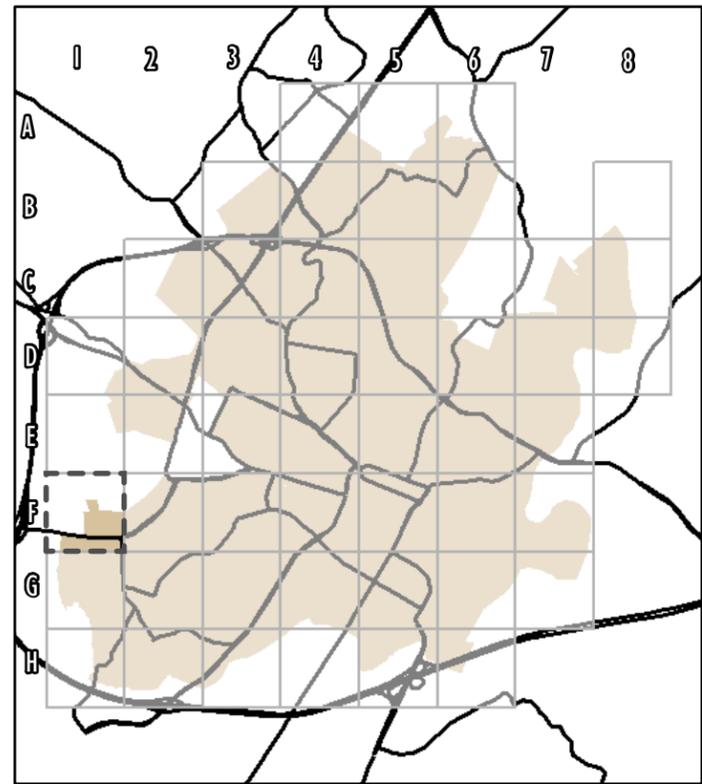
- 🟪 Mixed Use B
- 🟩 Neighborhood A
- 🟨 Neighborhood B

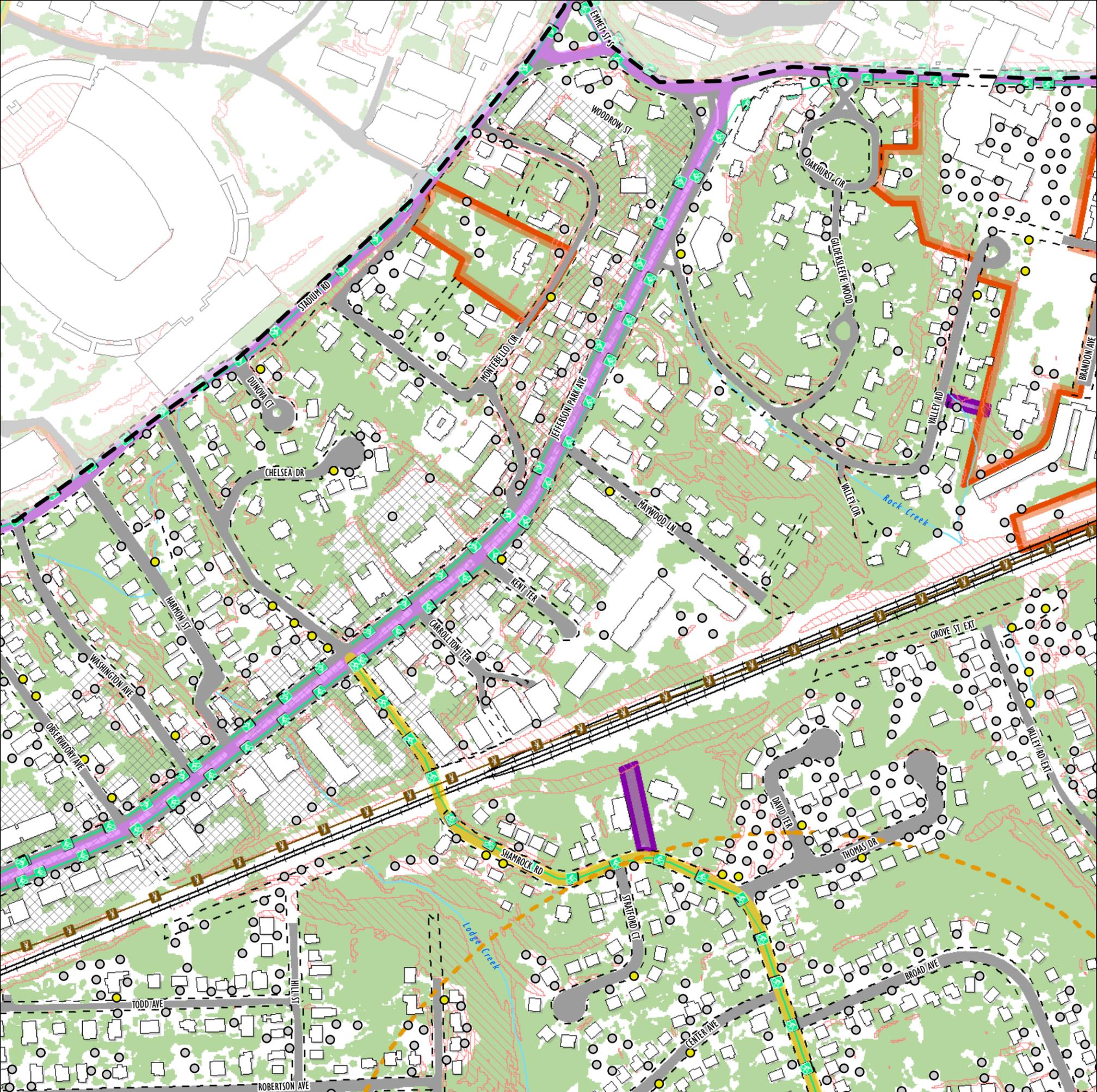
- City Boundary
- - - City Right-of-Way

- 🧩 Entrance Corridor
- 🔴 Steep Slopes
- 🟩 Tree Canopy
- 🟩 Park Boundaries
- 🟪 School Parcels
- 🟢 State-Owned Parcels
- 🟠 UVa Parcels
- 🟪 City Parcels



This square represents 1 Acre on the map





# Grid F2



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (446)
- Overhead Utility within 15 ft (36)

- Trails
- Bicycle Lanes

Streams

### Framework Streets - Typology

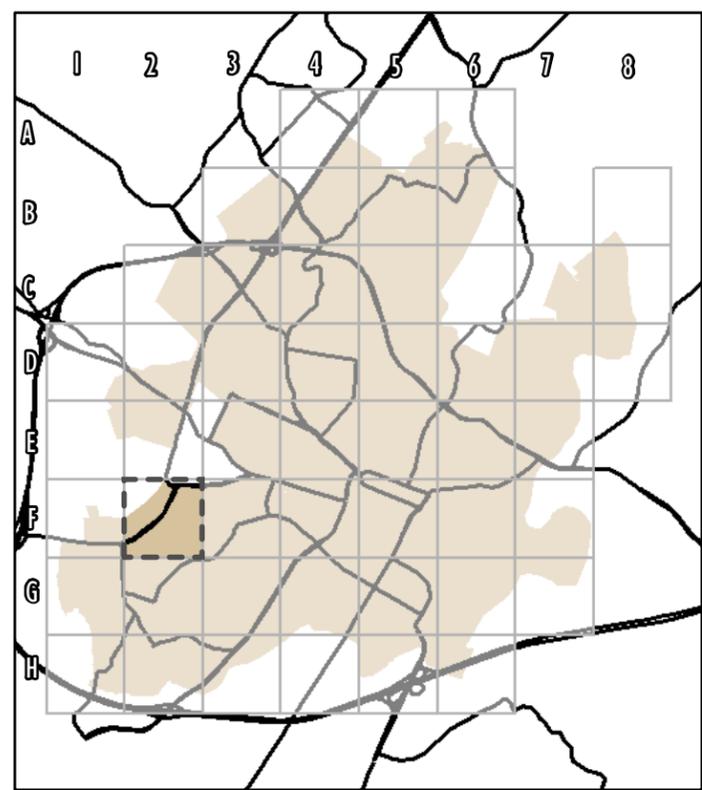
- Mixed Use B
- Neighborhood B

- City Boundary
- 5 Minute School Walkzones
- City Right-of-Way

- Entrance Corridor
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





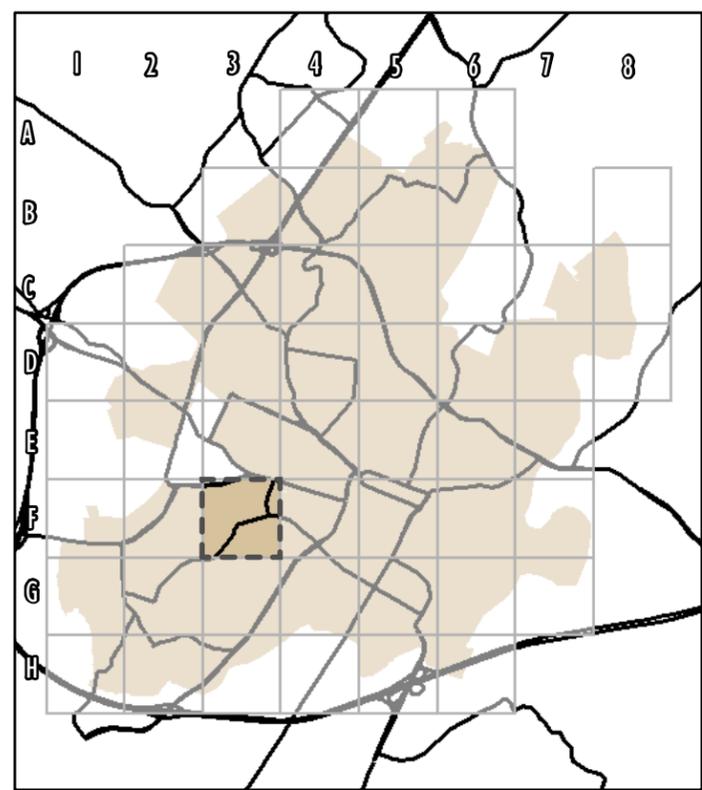
# Grid F3



## Legend

- |   |   |
|---|---|
| <p><b>Potential Tree Planting Locations</b></p> <ul style="list-style-type: none"> <li>○ No Overhead Utility within 15 ft (566)</li> <li>● Overhead Utility within 15 ft (70)</li> <li>— Trails</li> <li>— Bicycle Lanes</li> <li>— Streams</li> </ul> <p><b>Framework Streets - Typology</b></p> <ul style="list-style-type: none"> <li>— Mixed Use B</li> <li>— Neighborhood A</li> <li>— Neighborhood B</li> <li>— City Boundary</li> <li>— 5 Minute School Walkzones</li> </ul> | <ul style="list-style-type: none"> <li>- - - City Right-of-Way</li> <li>▨ Steep Slopes</li> <li>■ Tree Canopy</li> <li>■ Park Boundaries</li> <li>■ School Parcels</li> <li>■ State-Owned Parcels</li> <li>■ UVa Parcels</li> <li>■ City Parcels</li> </ul> |
|---|---|

 This square represents 1 Acre on the map









# Grid F6



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (738)
- Overhead Utility within 15 ft (84)

- Trails
- Bicycle Lanes

Streams

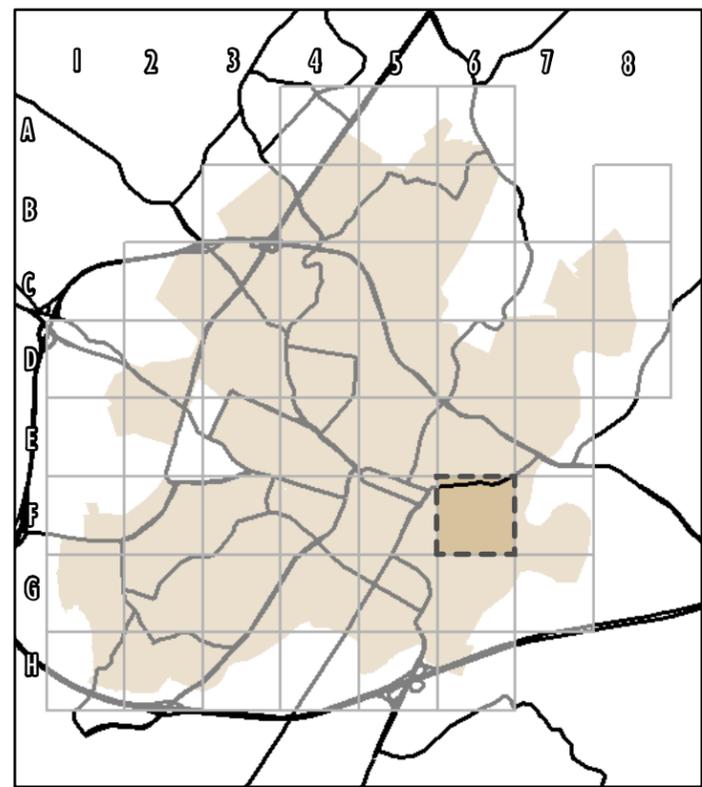
### Framework Streets - Typology

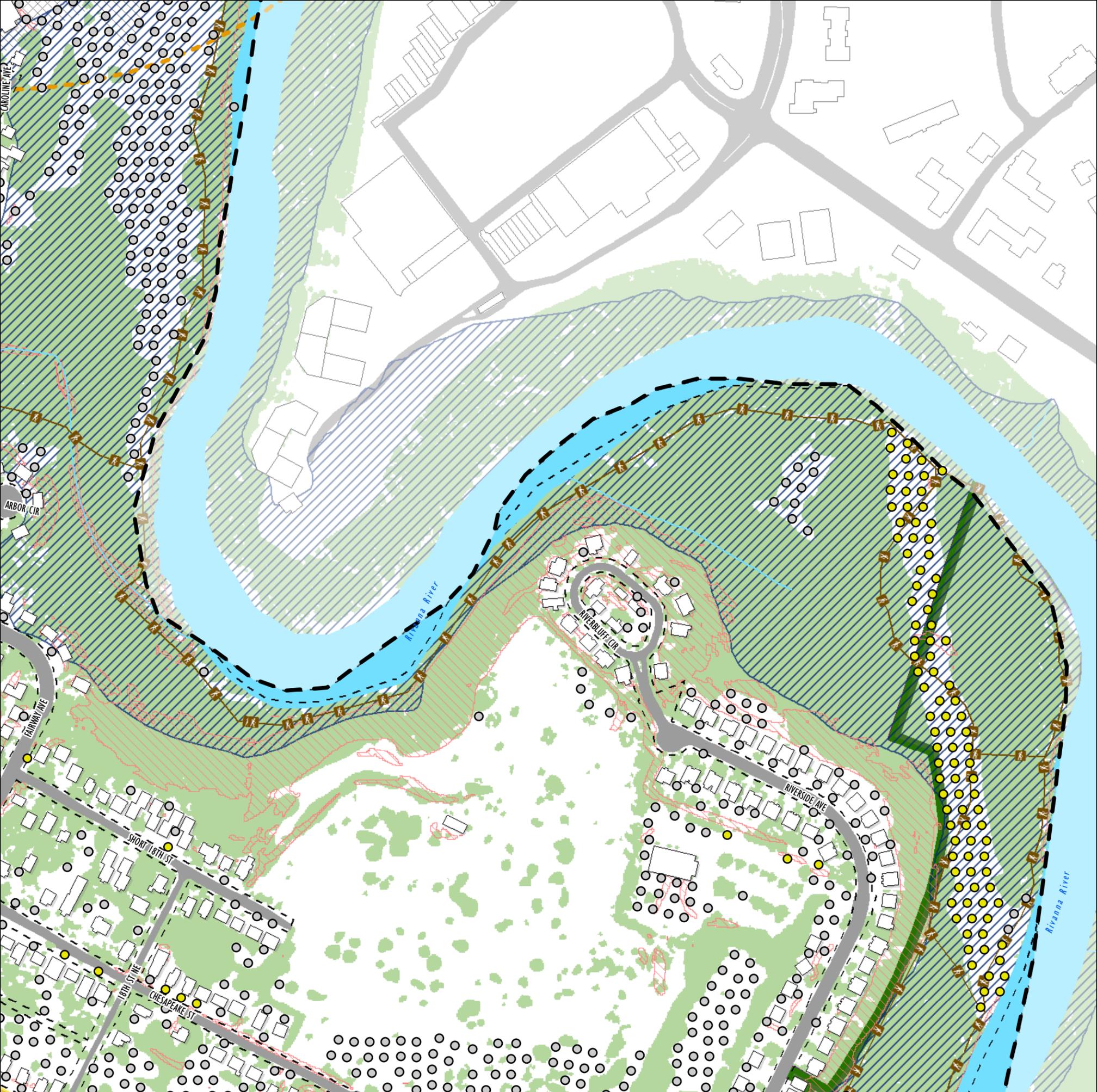
- Downtown
- Industrial
- Mixed Use B
- Neighborhood A
- Neighborhood B

- 5 Minute School Walkzones
- City Right-of-Way
- Entrance Corridor
- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid F7



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (395)
- Overhead Utility within 15 ft (108)
- Trails

### Streams

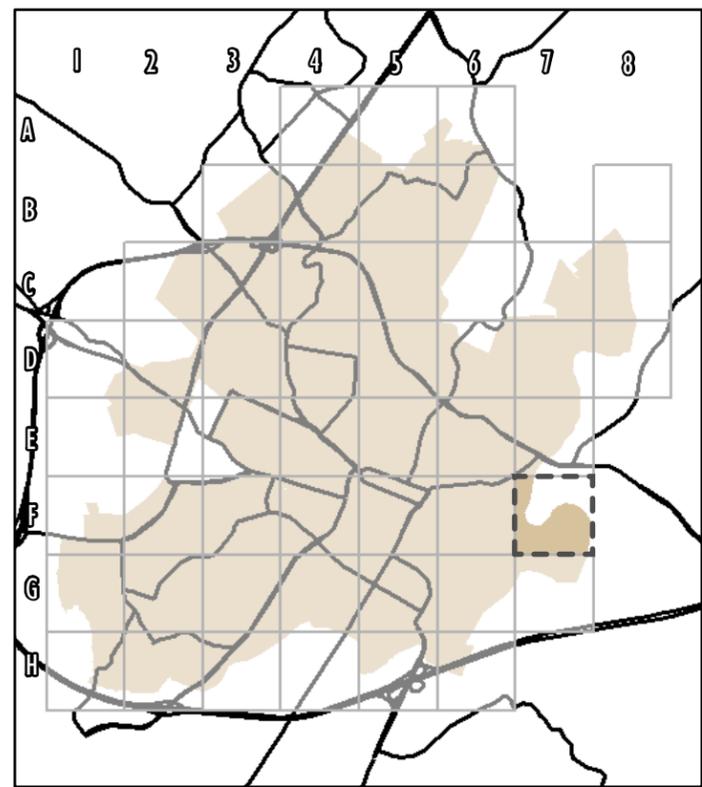
### Framework Streets - Typology

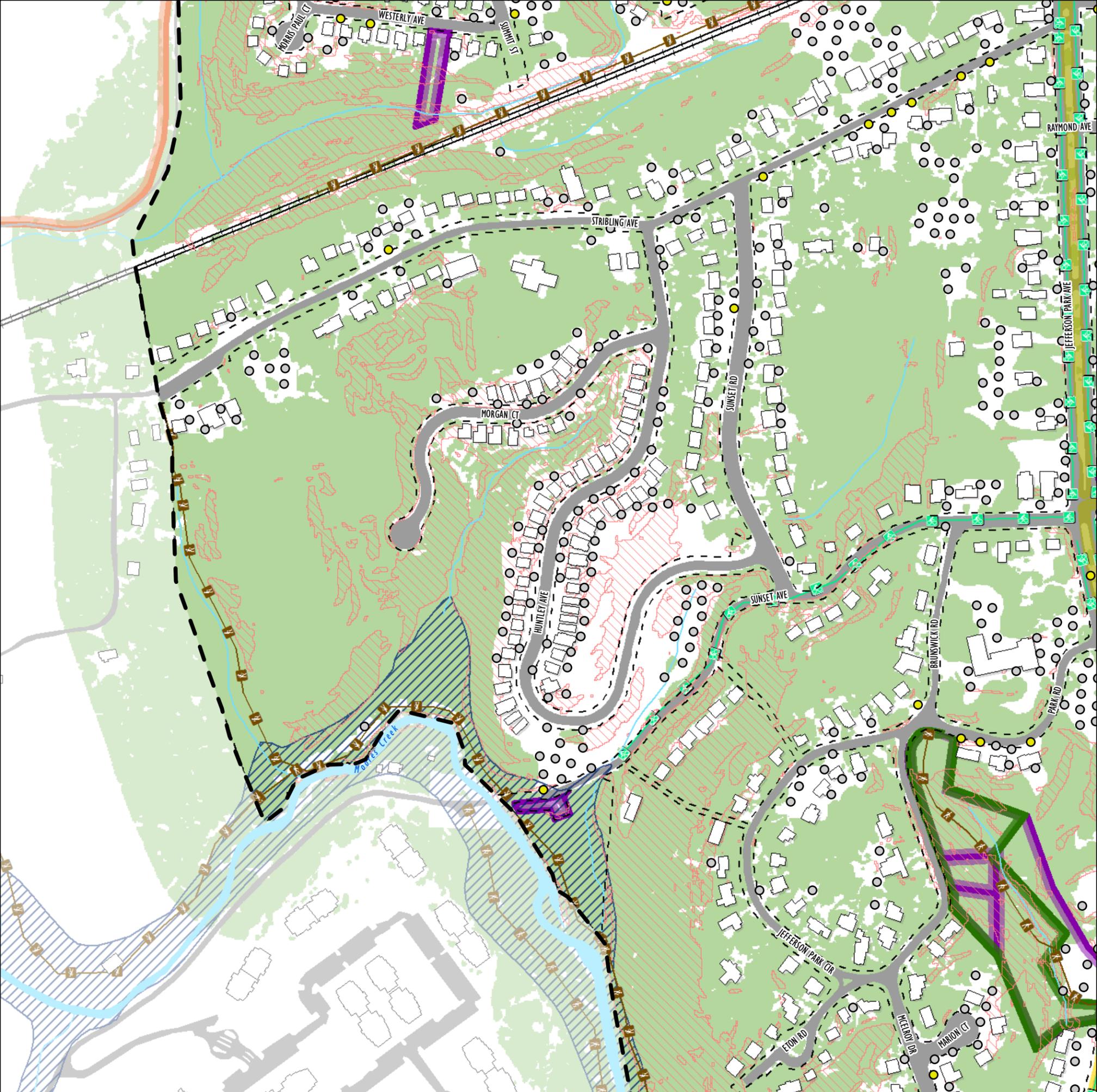
- Neighborhood B
- City Boundary
- 5 Minute School Walkzones
- City Right-of-Way
- Entrance Corridor
- 100 Year Floodplain

- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid G1



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (323)
- Overhead Utility within 15 ft (21)
- Trails
- Bicycle Lanes
- Streams

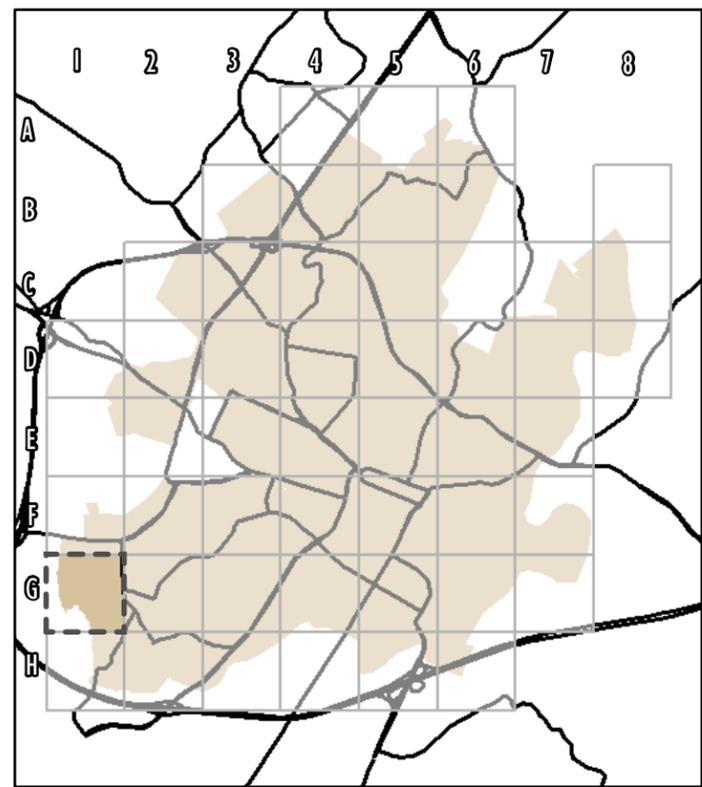
### Framework Streets - Typology

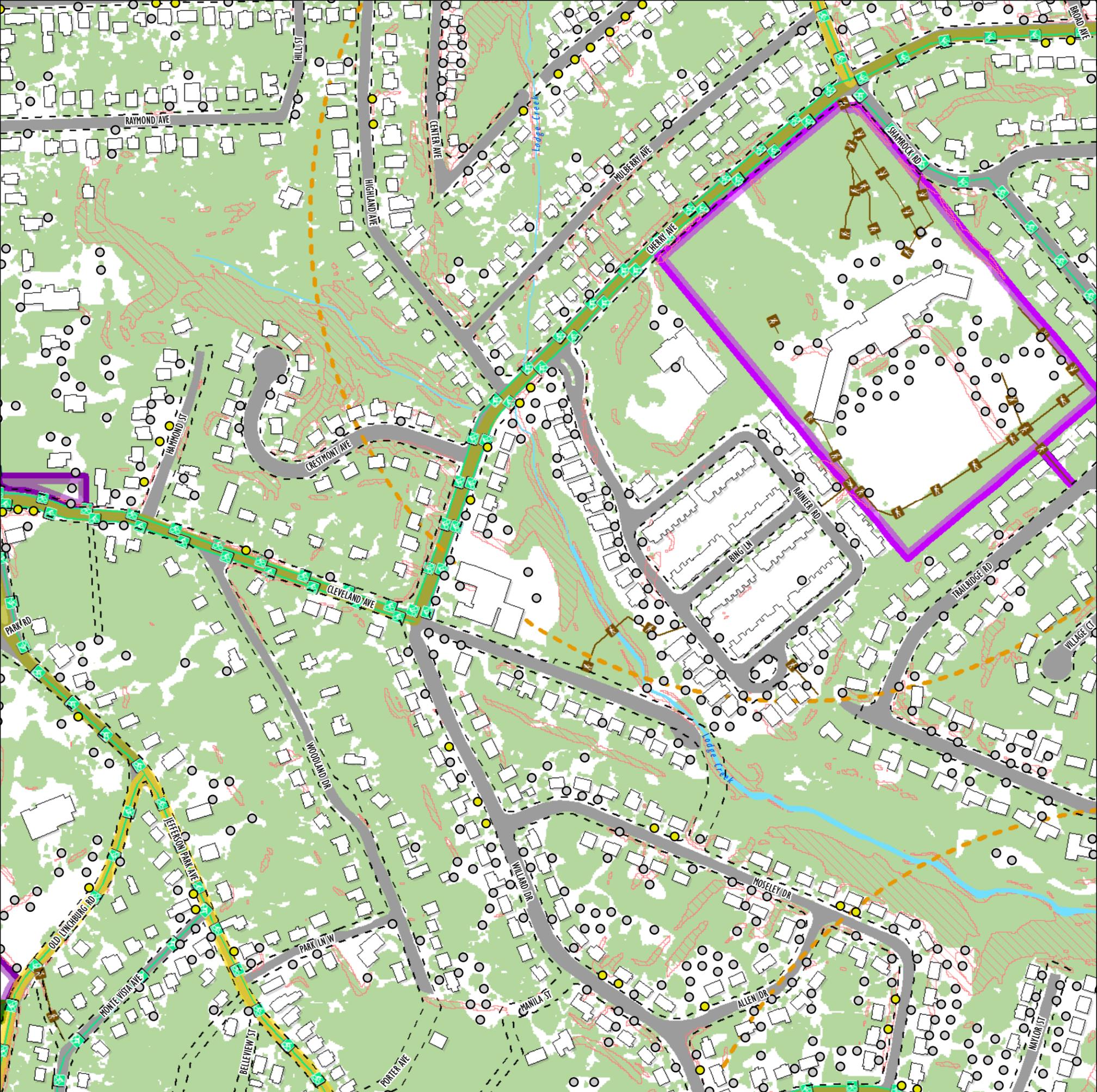
- Neighborhood A
- Neighborhood B
- City Boundary
- City Right-of-Way
- 100 Year Floodplain

- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVA Parcels
- City Parcels



This square represents 1 Acre on the map





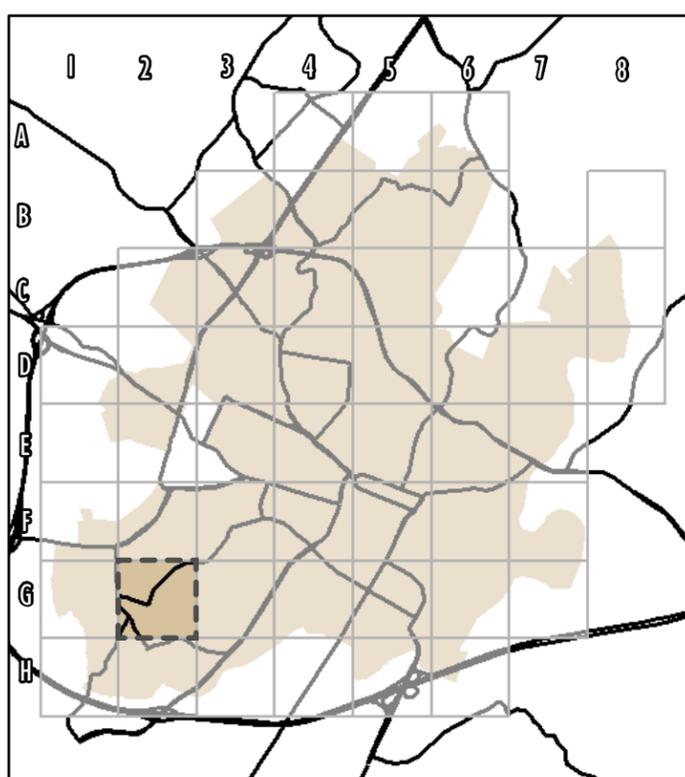
# Grid G2

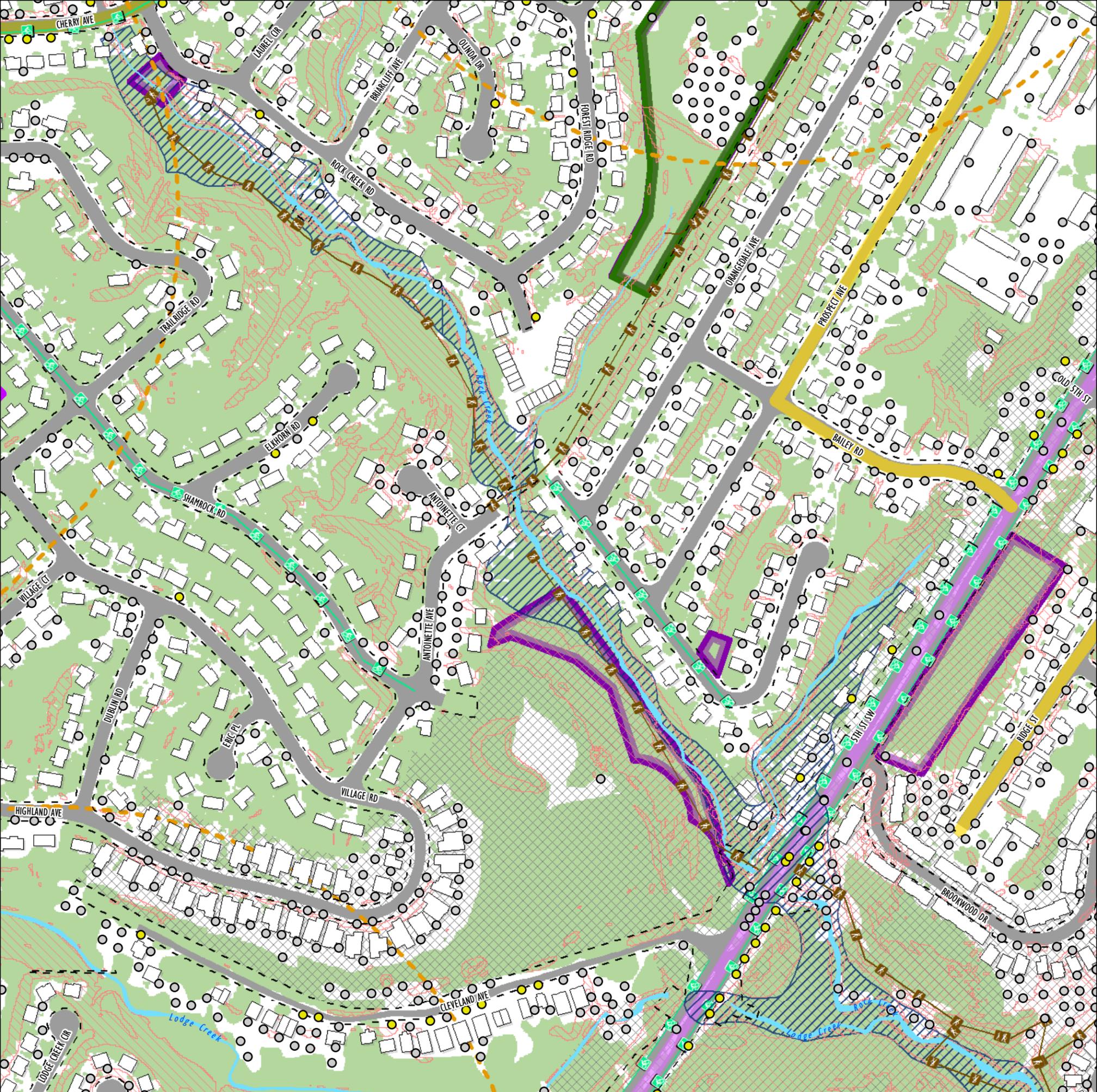


## Legend

- Potential Tree Planting Locations**
- No Overhead Utility within 15 ft (485)
  - Overhead Utility within 15 ft (45)
  - ⚡ Trails
  - 🚲 Bicycle Lanes
  - Streams
- Framework Streets - Typology**
- Neighborhood A
  - Neighborhood B
  - 5 Minute School Walkzones
  - City Right-of-Way
  - Steep Slopes
- Tree Canopy
  - Park Boundaries
  - School Parcels
  - State-Owned Parcels
  - UVa Parcels
  - City Parcels

This square represents 1 Acre on the map





# Grid G3



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (649)
- Overhead Utility within 15 ft (47)

- Trail
- Bicycle Lanes

Streams

### Framework Streets - Typology

- Mixed Use B
- Neighborhood A
- Neighborhood B

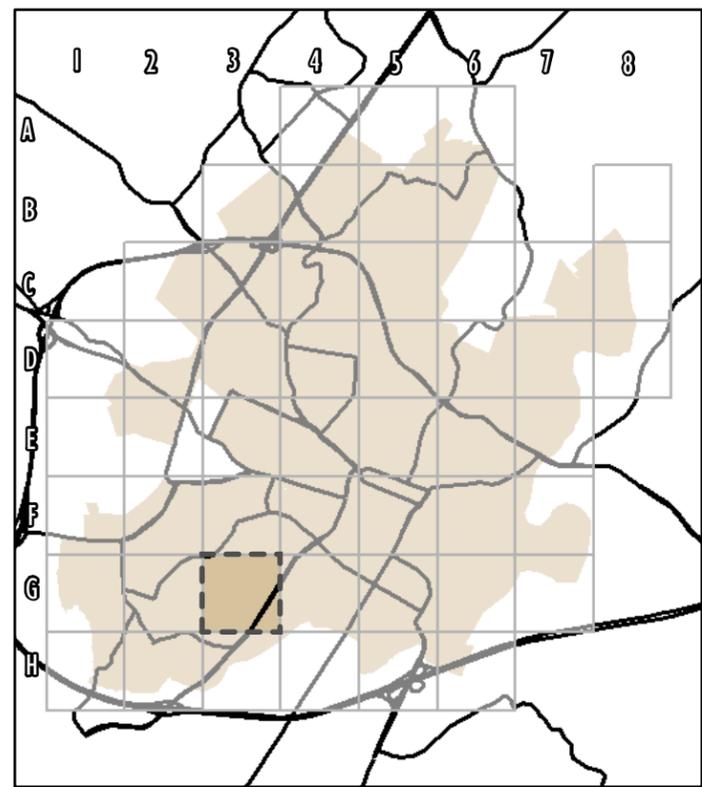
5 Minute School Walkzones

City Right-of-Way

- Entrance Corridor
- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid G4



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (870)
- Overhead Utility within 15 ft (62)

- Trails
- Bicycle Lanes
- Streams

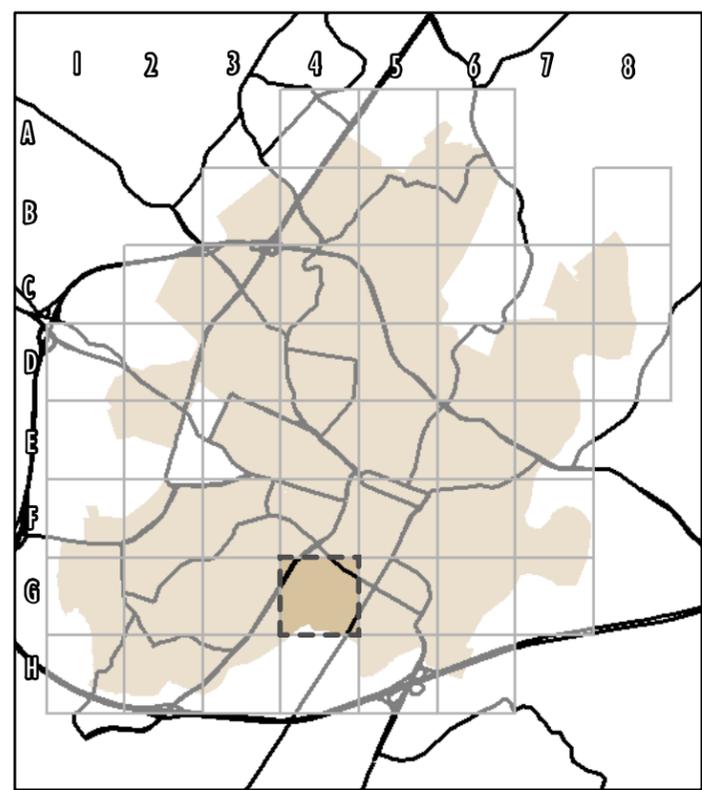
### Framework Streets - Typology

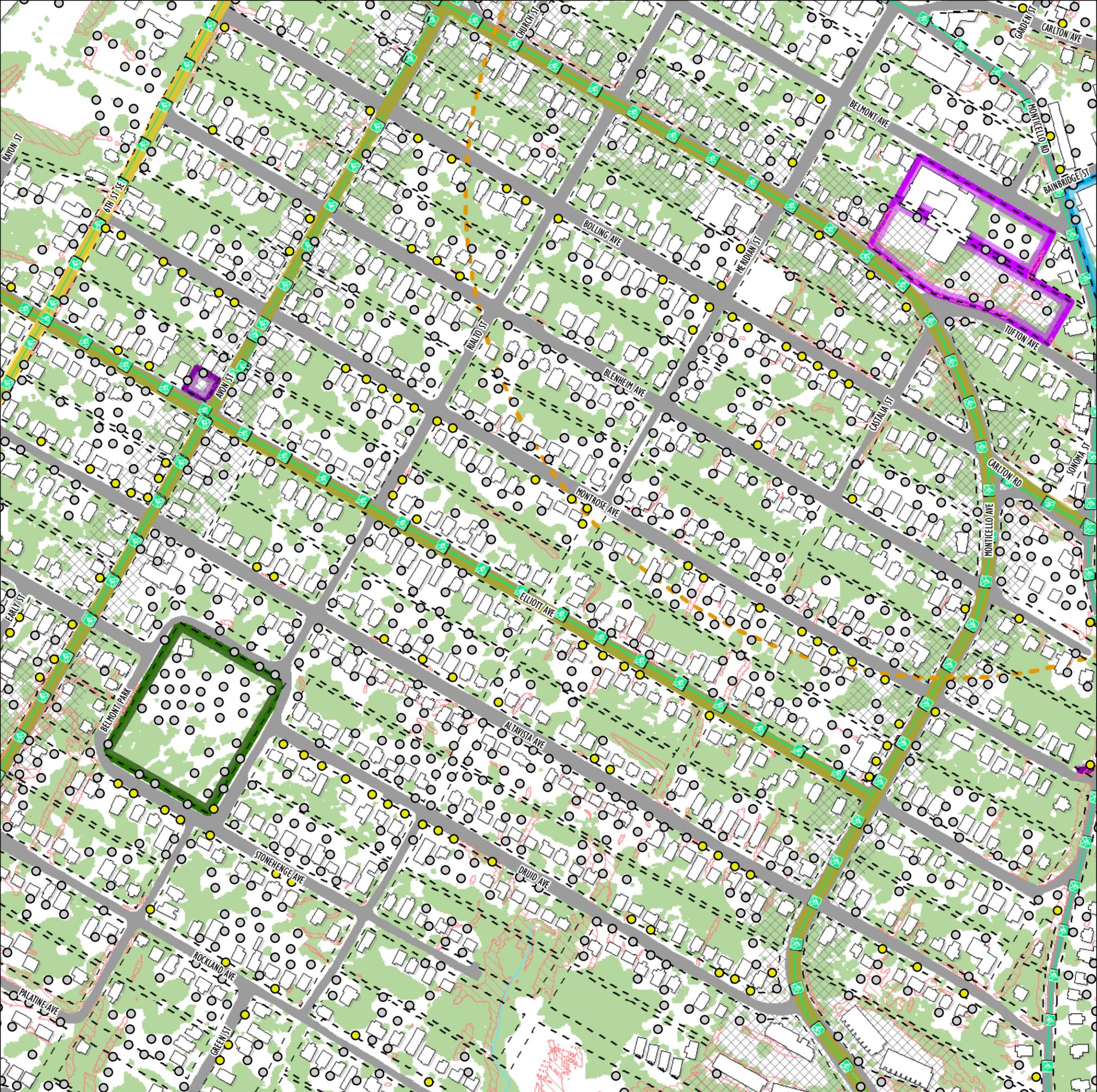
- Mixed Use B
- Neighborhood A
- Neighborhood B
- City Boundary
- 5 Minute School Walkzones

- City Right-of-Way
- Entrance Corridor
- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid G5



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (885)
- Overhead Utility within 15 ft (145)
- 🚲 Bicycle Lanes

### Streams

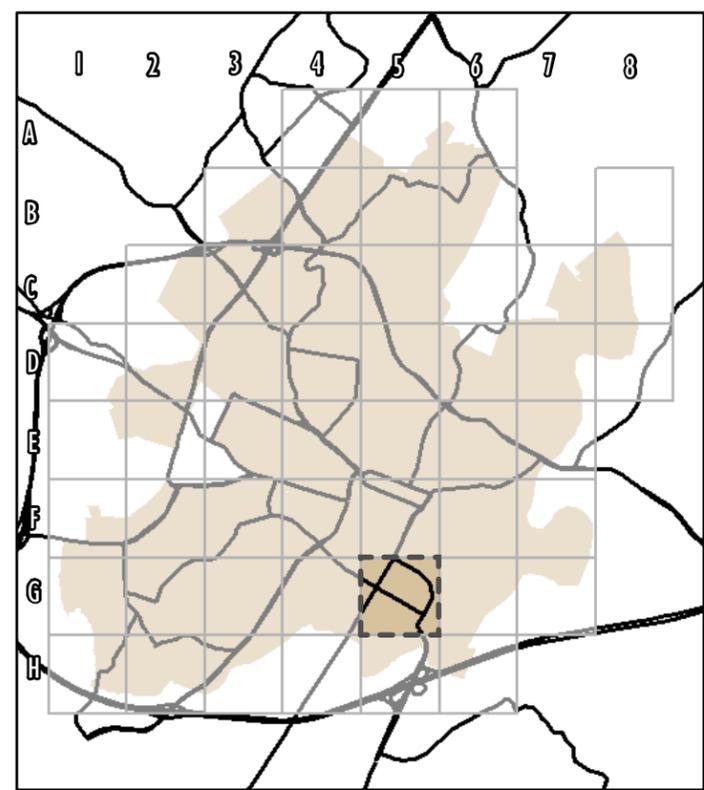
### Framework Streets - Typology

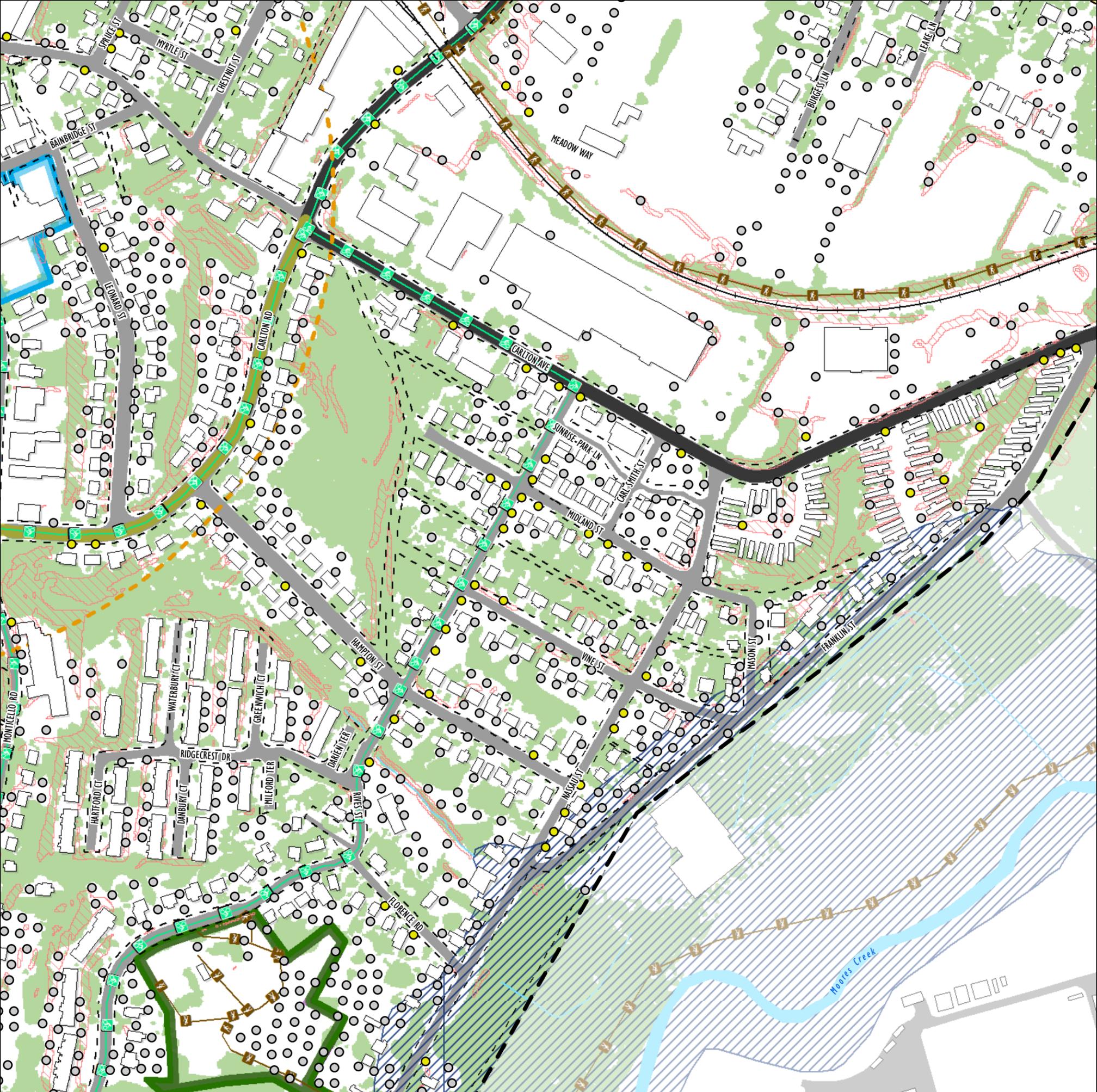
- Neighborhood A
- Neighborhood B
- 5 Minute School Walkzones
- City Right-of-Way
- Entrance Corridor
- Steep Slopes

- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVA Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid G6



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (671)
- Overhead Utility within 15 ft (63)

Trails

Bicycle Lanes

Streams

### Framework Streets - Typology

Industrial

Neighborhood A

City Boundary

5 Minute School Walkzones

City Right-of-Way

100 Year Floodplain

Steep Slopes

Tree Canopy

Park Boundaries

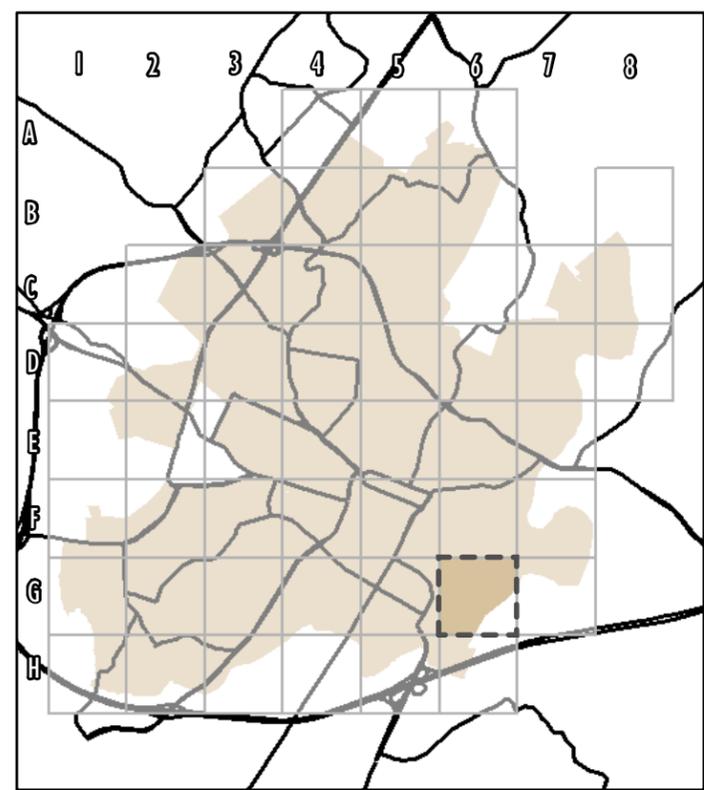
School Parcels

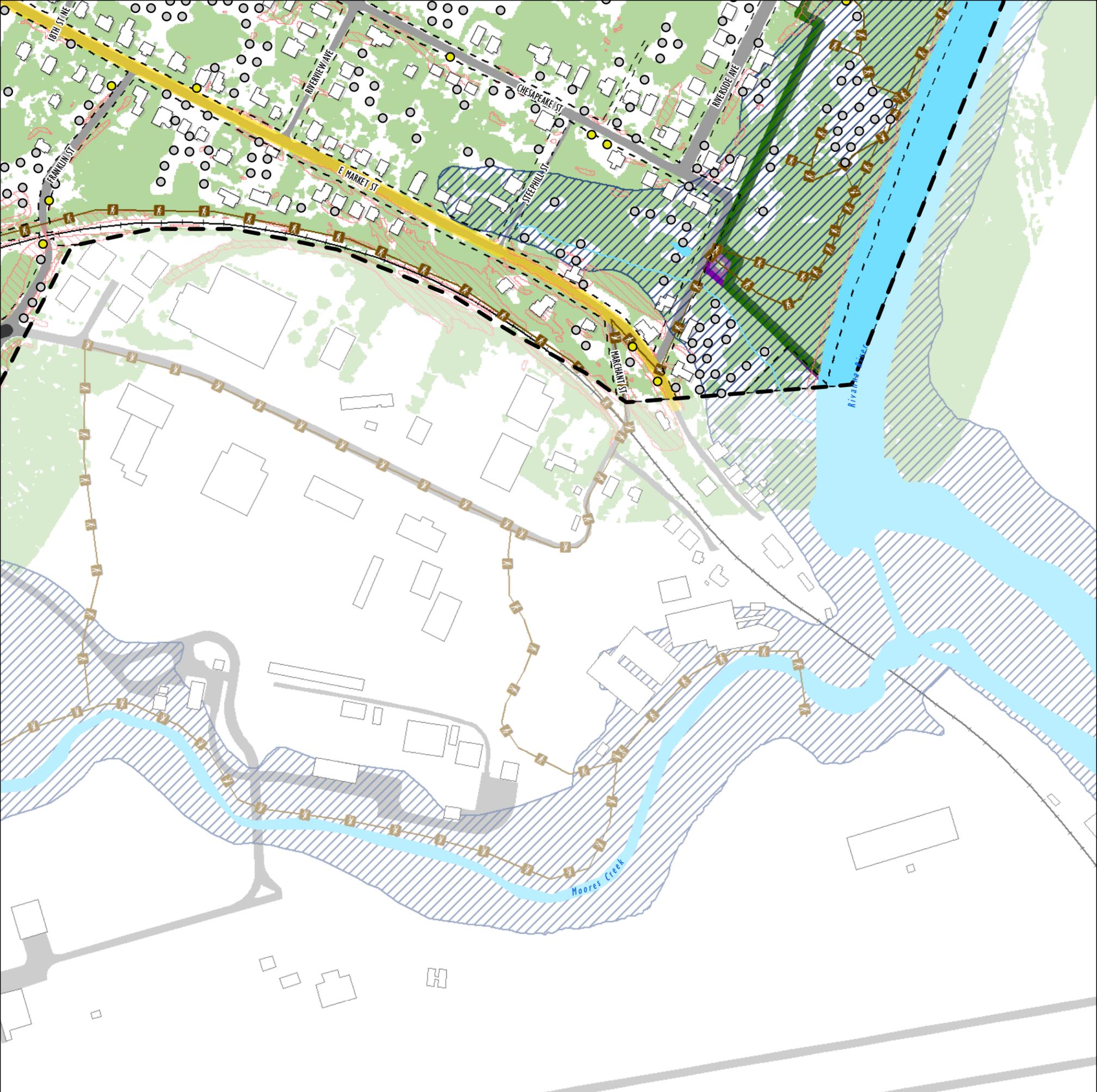
State-Owned Parcels

UVa Parcels

City Parcels

This square represents 1 Acre on the map





# Grid G7



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (155)
- Overhead Utility within 15 ft (10)
- Trails

Streams

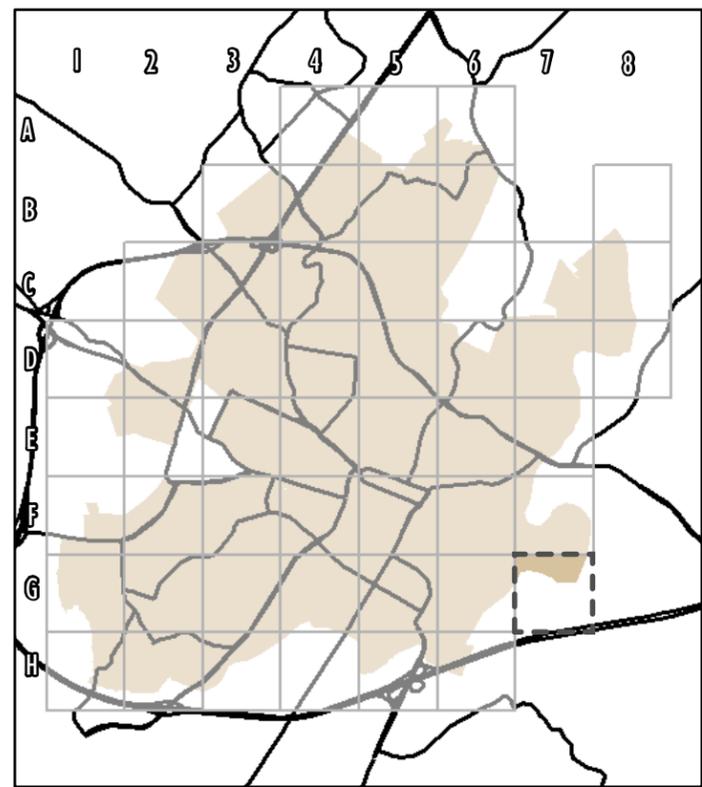
### Framework Streets - Typology

- Industrial
- Neighborhood B
- City Boundary
- City Right-of-Way
- 100 Year Floodplain
- Steep Slopes

- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid HI



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (193)
- Overhead Utility within 15 ft (20)

- Trail icon Trails
- Bicycle icon Bicycle Lanes

Stream icon Streams

### Framework Streets - Typology

Yellow bar Neighborhood B

Dashed line City Boundary

Dotted line City Right-of-Way

Blue hatched box 100 Year Floodplain

Red hatched box Steep Slopes

Green box Tree Canopy

Green outline Park Boundaries

Pink outline School Parcels

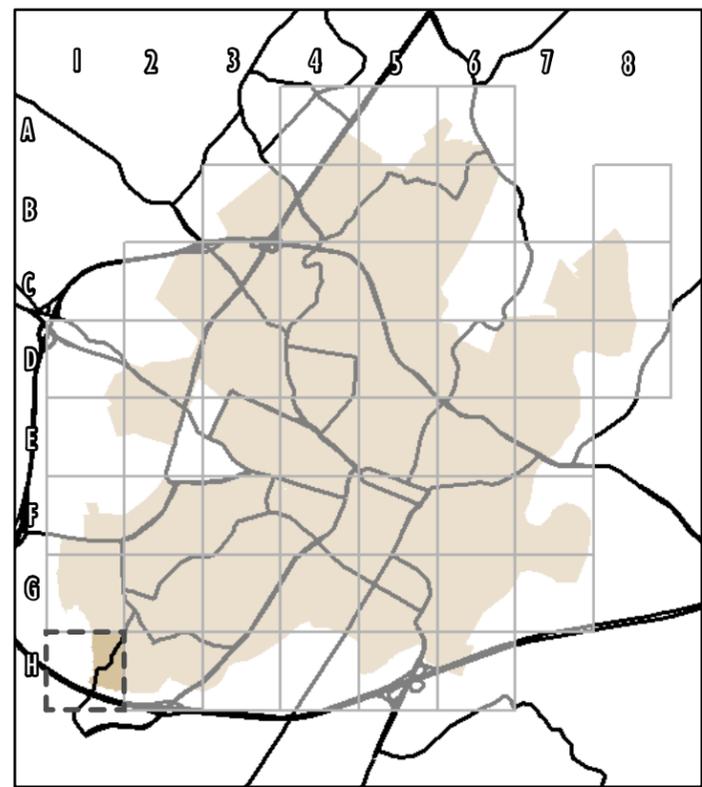
Blue outline State-Owned Parcels

Orange outline UVa Parcels

Purple outline City Parcels



This square represents 1 Acre on the map





# Grid H2



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (509)
- Overhead Utility within 15 ft (56)

- Trail
- Bicycle Lanes
- Streams

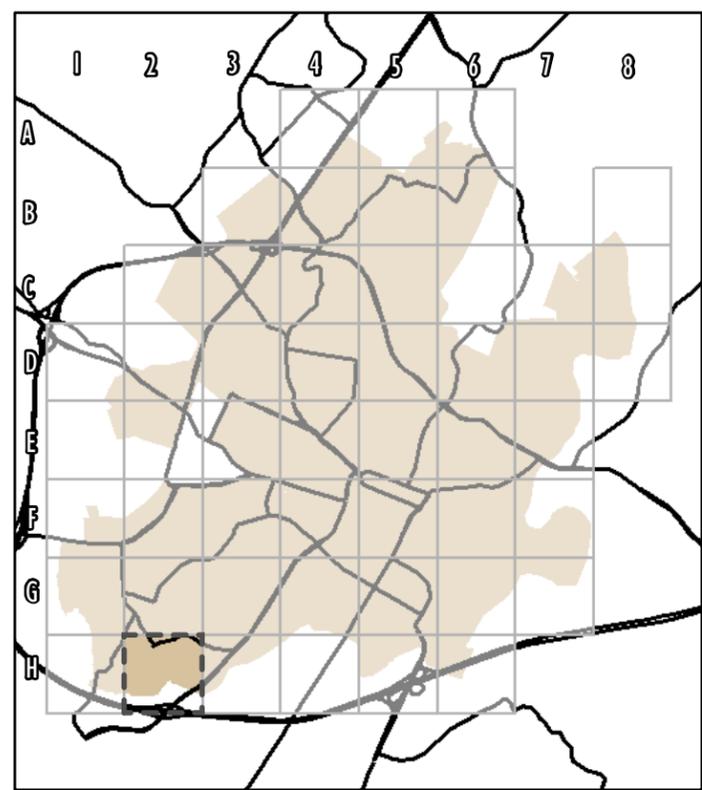
### Framework Streets - Typology

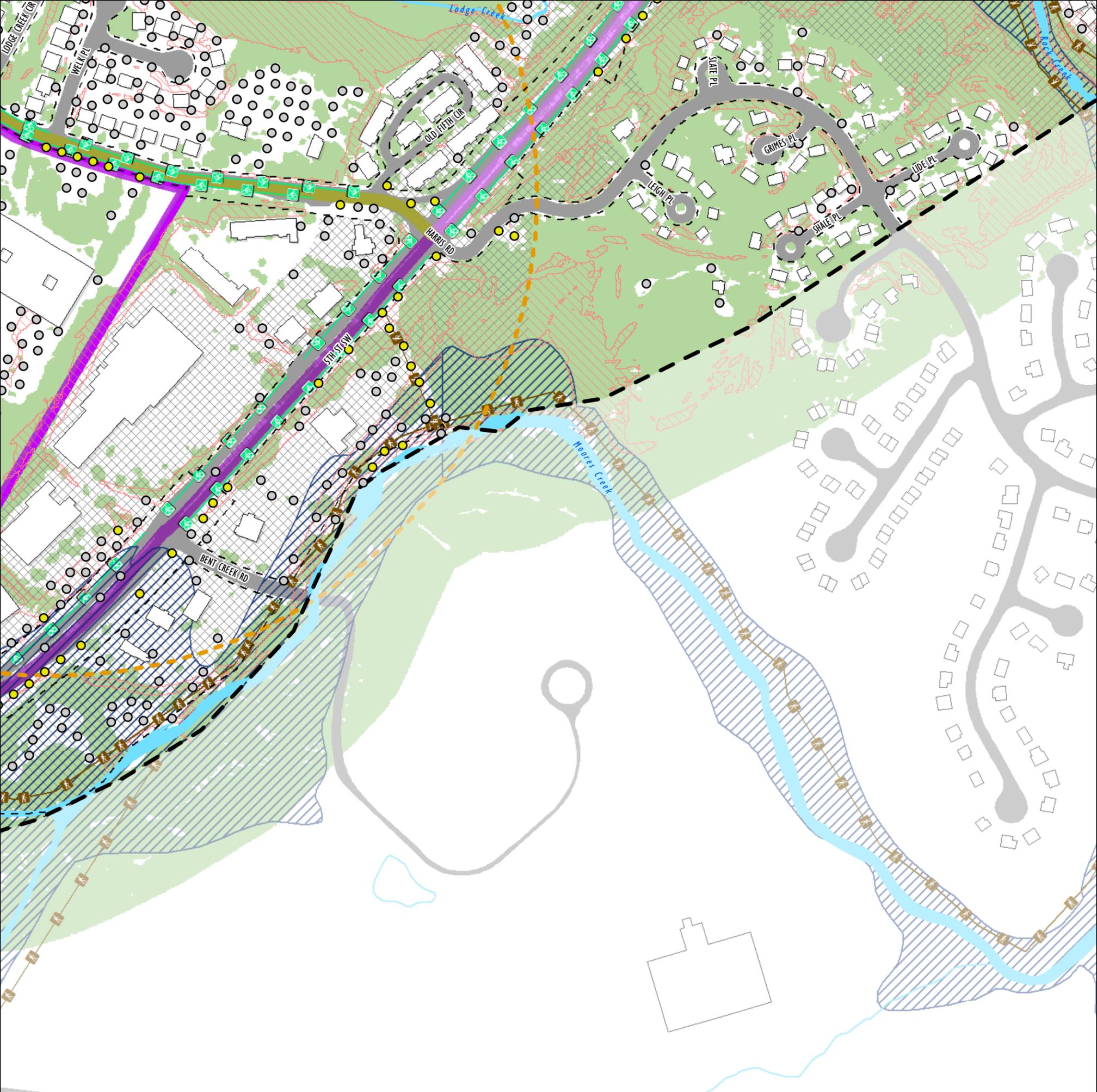
- Mixed Use A
- Neighborhood A
- Neighborhood B
- City Boundary
- 5 Minute School Walkzones

- City Right-of-Way
- Entrance Corridor
- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





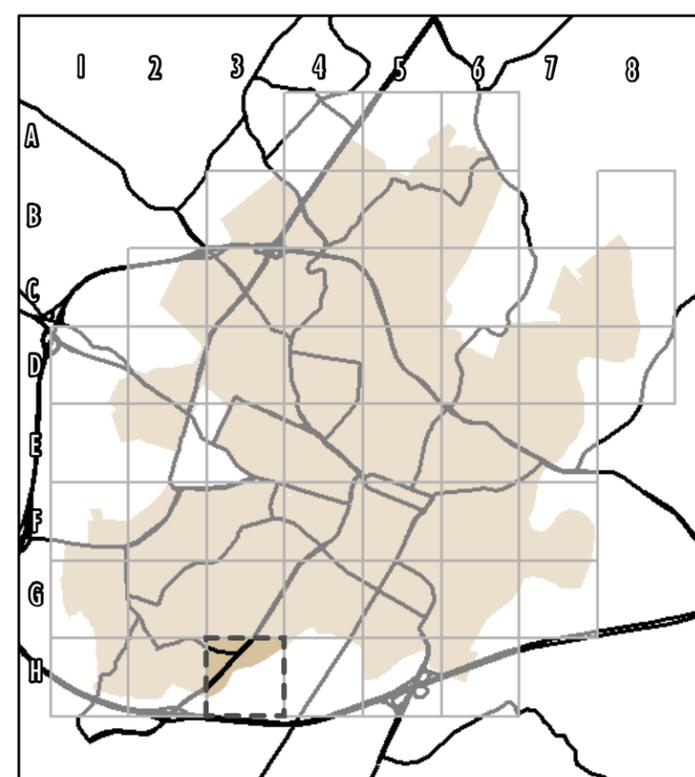
# Grid H3



## Legend

- Potential Tree Planting Locations**
  - No Overhead Utility within 15 ft (218)
  - Overhead Utility within 15 ft (42)
- Framework Streets - Typology**
  - Mixed Use A
  - Mixed Use B
  - Neighborhood A
- City Boundary
- 5 Minute School Walkzones
- City Right-of-Way
- Entrance Corridor
- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels

This square represents 1 Acre on the map





# Grid H4



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (36)
- Overhead Utility within 15 ft (2)
- Trails
- Bicycle Lanes
- Streams

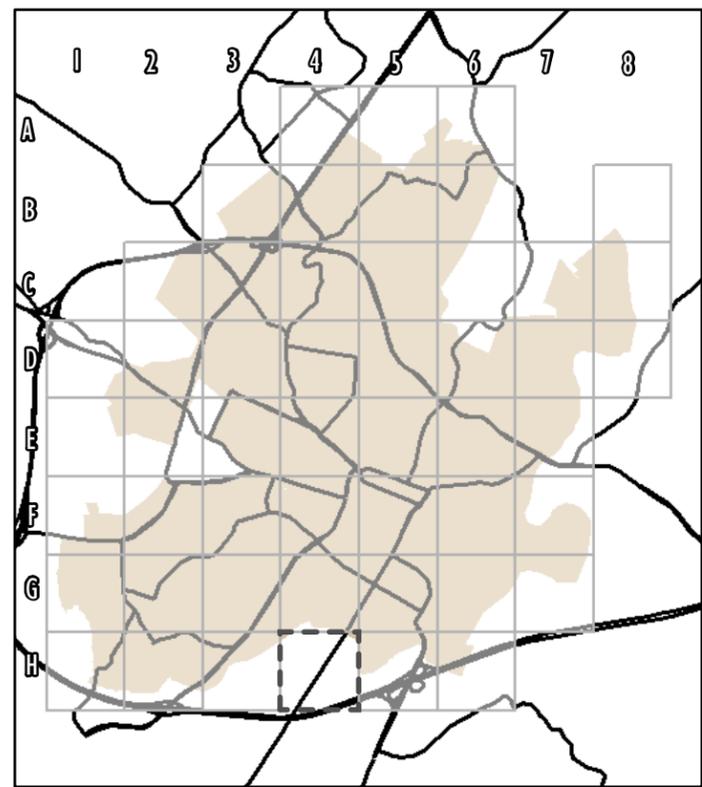
### Framework Streets - Typology

- Neighborhood A
- City Boundary
- City Right-of-Way
- Entrance Corridor
- 100 Year Floodplain

- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map





# Grid H5



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (310)
- Overhead Utility within 15 ft (31)

- Trails
- Bicycle Lanes

Streams

### Framework Streets - Typology

- Mixed Use B
- Neighborhood A

- City Boundary
- City Right-of-Way

Entrance Corridor

100 Year Floodplain

Steep Slopes

Tree Canopy

Park Boundaries

School Parcels

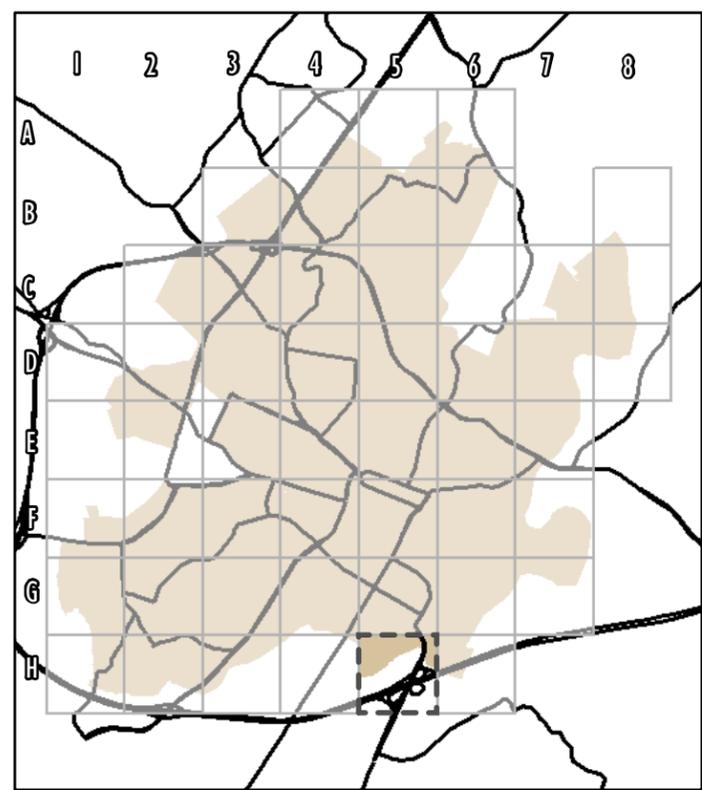
State-Owned Parcels

UVa Parcels

City Parcels



This square represents 1 Acre on the map





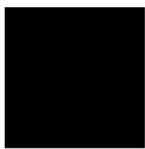
# Grid H6



## Legend

### Potential Tree Planting Locations

- No Overhead Utility within 15 ft (140)
- Overhead Utility within 15 ft (9)
- Trails
- Bicycle Lanes
- Streams
- City Boundary
- City Right-of-Way
- 100 Year Floodplain
- Steep Slopes
- Tree Canopy
- Park Boundaries
- School Parcels
- State-Owned Parcels
- UVa Parcels
- City Parcels



This square represents 1 Acre on the map

