



Proposed Capital Bikeshare Changes in Providence District

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Fairfax County Department of Transportation
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How Capital Bikeshare Works

- Bicycle transit service allows people to rent a bike and ride to one of 700+ stations in seven jurisdictions
- Serves as first and last mile from the Washington Metrorail
- Ridership fees
 - Members pay \$95 per year for unlimited 45-minute rides
 - Non-members pay \$1 to unlock a bike and \$0.05 per minute
 - Capital Bikeshare for All program provides low-income residents with unlimited 60-minute rides including e-bikes
- Bicycles designed with safety in mind
 - Upright and slow, always-on lights, bright red
 - Few reported crashes in Fairfax County

How People Use Capital Bikeshare

- Transfer to/from Metrorail or Connector/Metrobus
- Run errands
- Go to appointments
- Shop or visit restaurants
- Fun rides along trails
- Facilitates one-way trips
- Replaces short car trips



Providence District Bikeshare Funding

- Transportation Alternatives Program grant for 12 stations and electric bikes
- Northern Virginia Transportation Commission grant for 9 stations and classic bikes
- Local funds for relocating existing stations

Station Location Selection

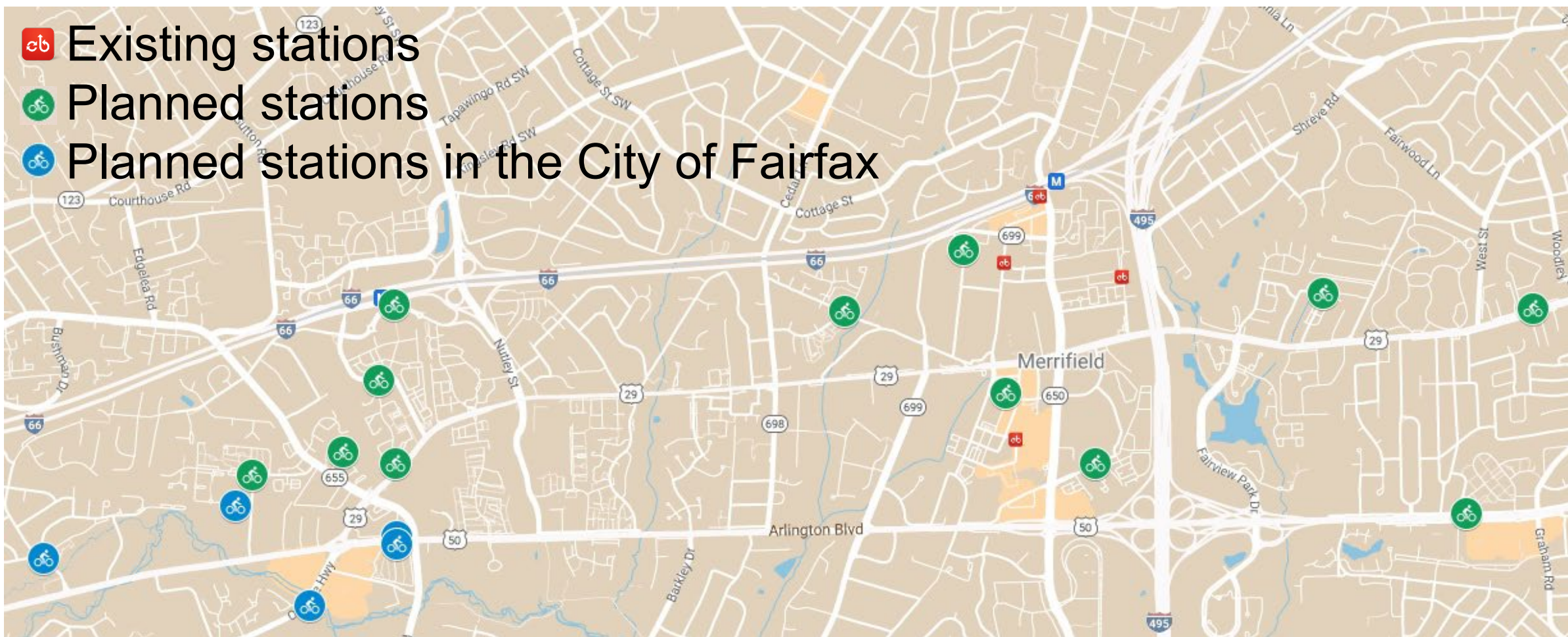
- Build on existing network in Tysons and Merrifield
- Connect to planned City of Fairfax and George Mason University stations
- Provide first and last mile trips to and from Metro
- Meet technical requirements such as solar access and safety
- Meet programmatic requirements such as underserved neighborhoods and residential density
- Attract ridership and revenue

Merrifield and Vienna Proposed Station List

- Hilltop Road & Willowmere Drive
- Dorr Avenue & Prosperity Avenue
- Strawberry Lane & District Avenue
- Gatehouse Road & Telestar Court
- Vienna Metro South*
- Providence Community Center
- Route 29 & Circle Woods Drive
- Mission Square Drive & Miranda Court
- Kingsbridge Drive & Draper Drive
- Arlington Boulevard & Allen Street
- Avenir Place & Prosperity Avenue*
- Emma Lee Street & Morris Street
- Route 29 & Bisney Drive

*Requires WMATA approval

Map of Vienna and Merrifield Proposed Stations



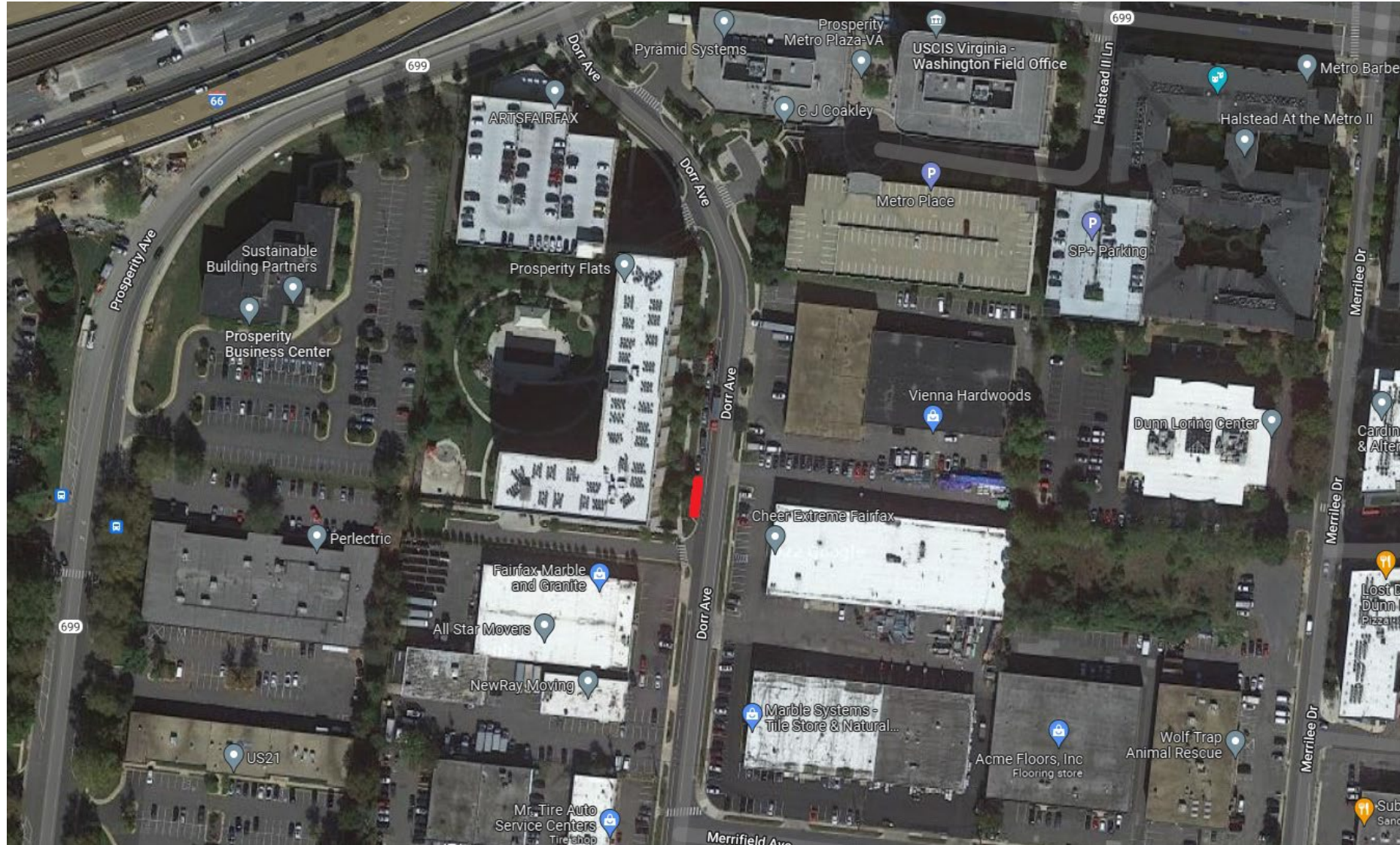
Hilltop Road & Willowmere Drive



Hilltop Road & Willowmere Drive



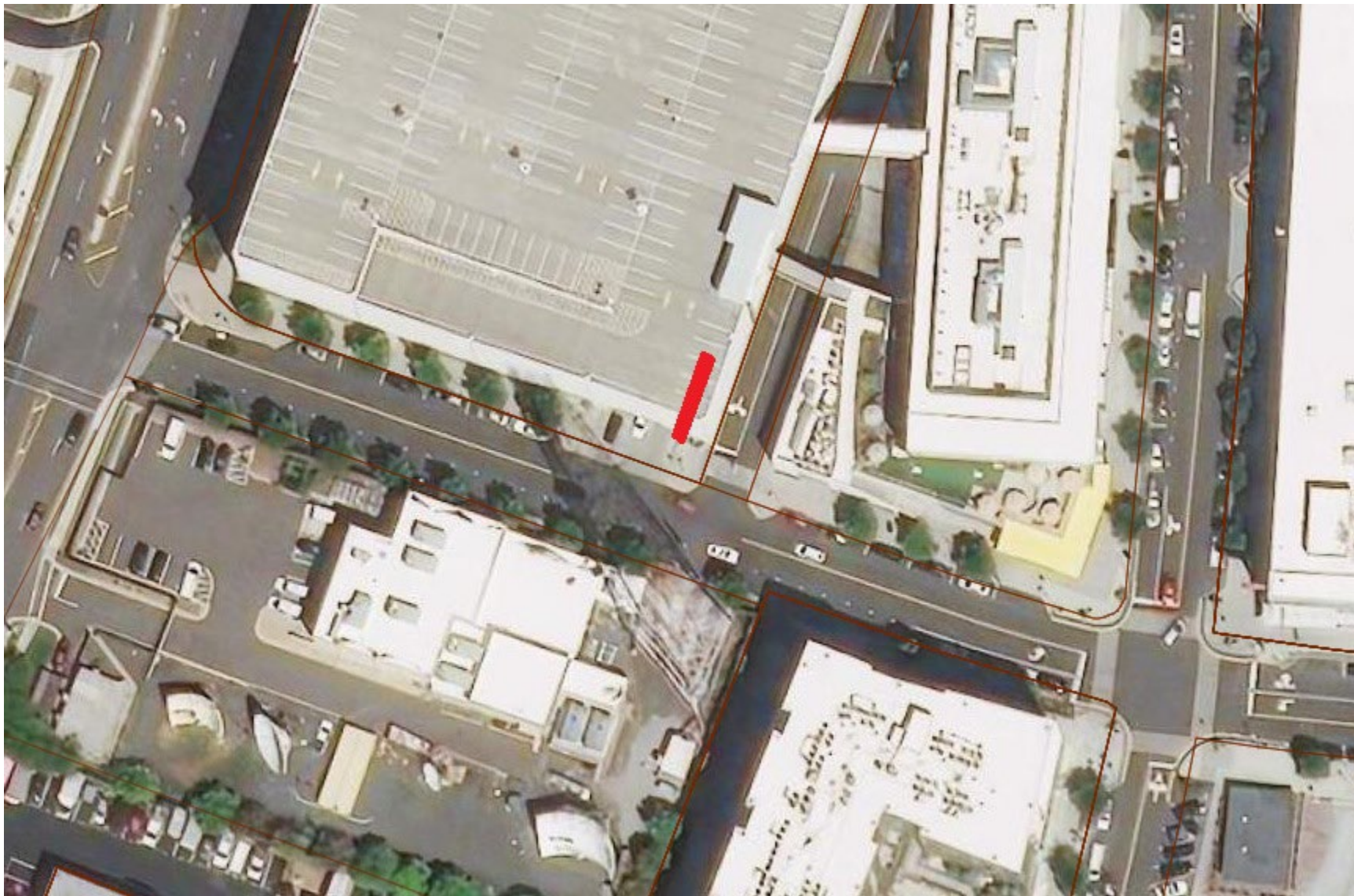
Dorr Avenue & Prosperity Avenue



Dorr Avenue & Prosperity Avenue

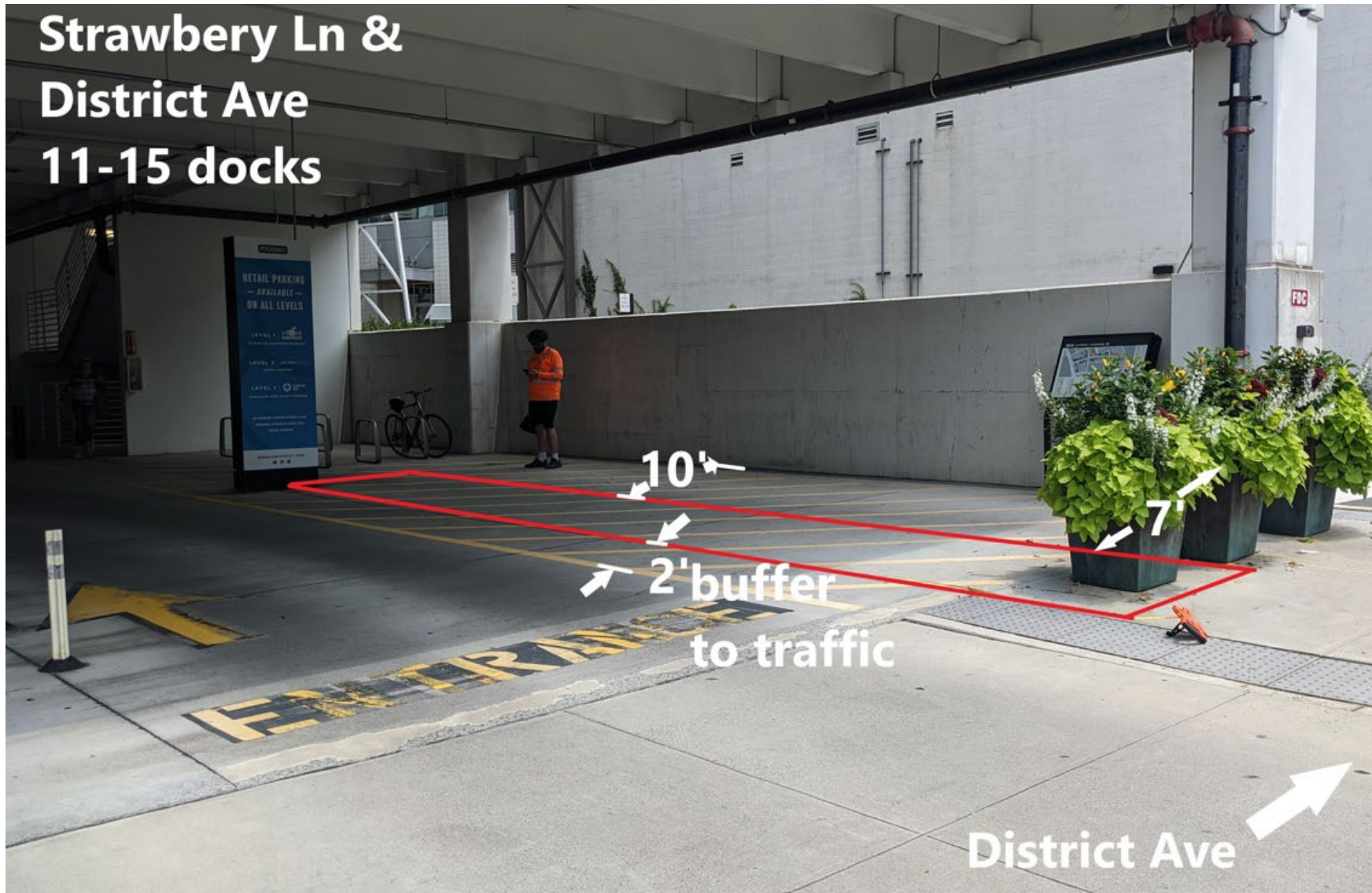


Strawberry Lane & District Avenue



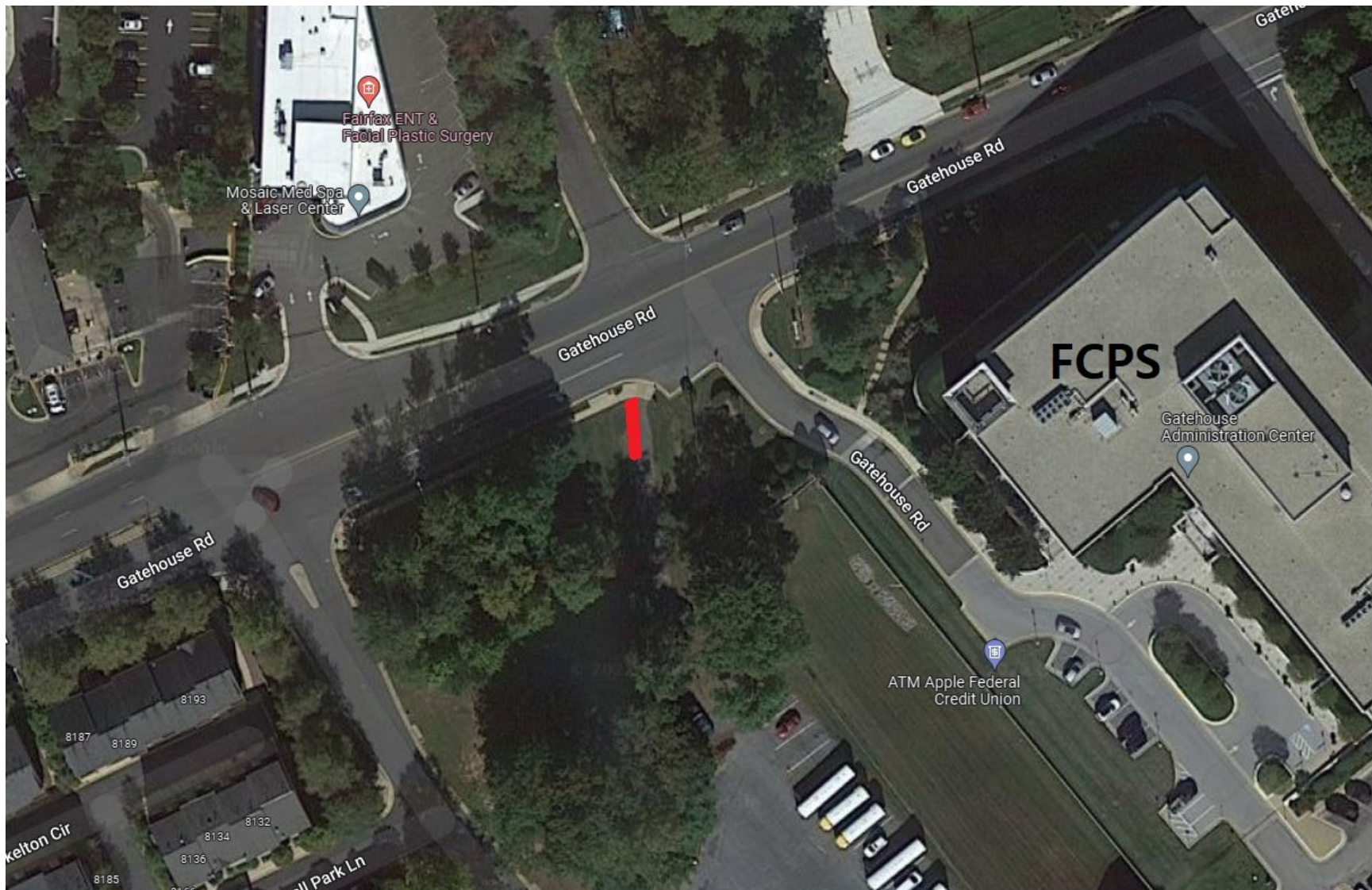
Strawberry Lane & District Avenue

Subject to
private
property
owner
approval



Gatehouse Road & Telestar Court

Subject to
Fairfax
County
Public
Schools
approval



Gatehouse Road & Telestar Court



Vienna Metro South



Vienna Metro South



Providence Community Center



Providence Community Center



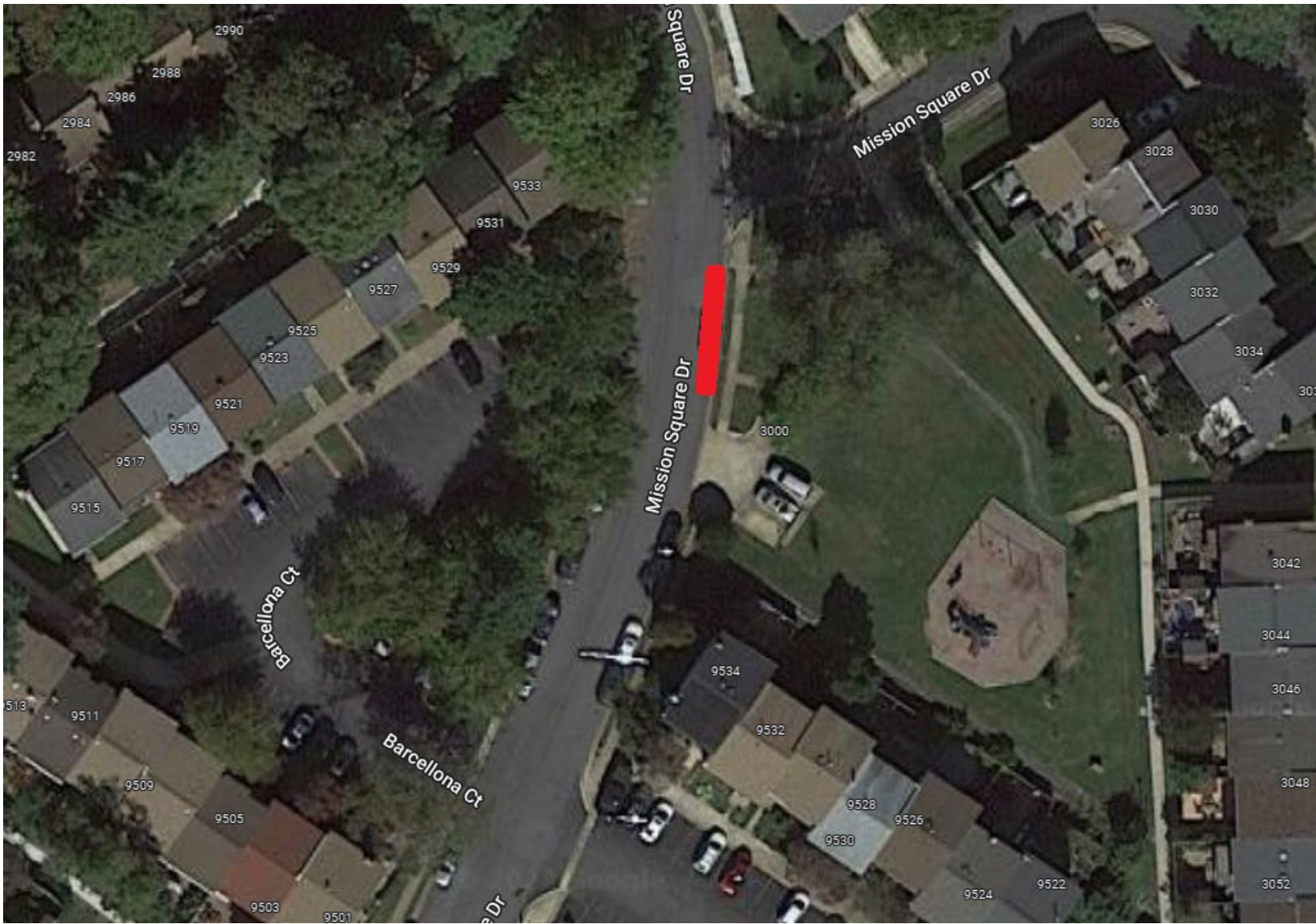
Route 29 & Circle Woods Drive



Route 29 & Circle Woods Drive



Mission Square Drive & Miranda Court



Mission Square Drive & Miranda Court



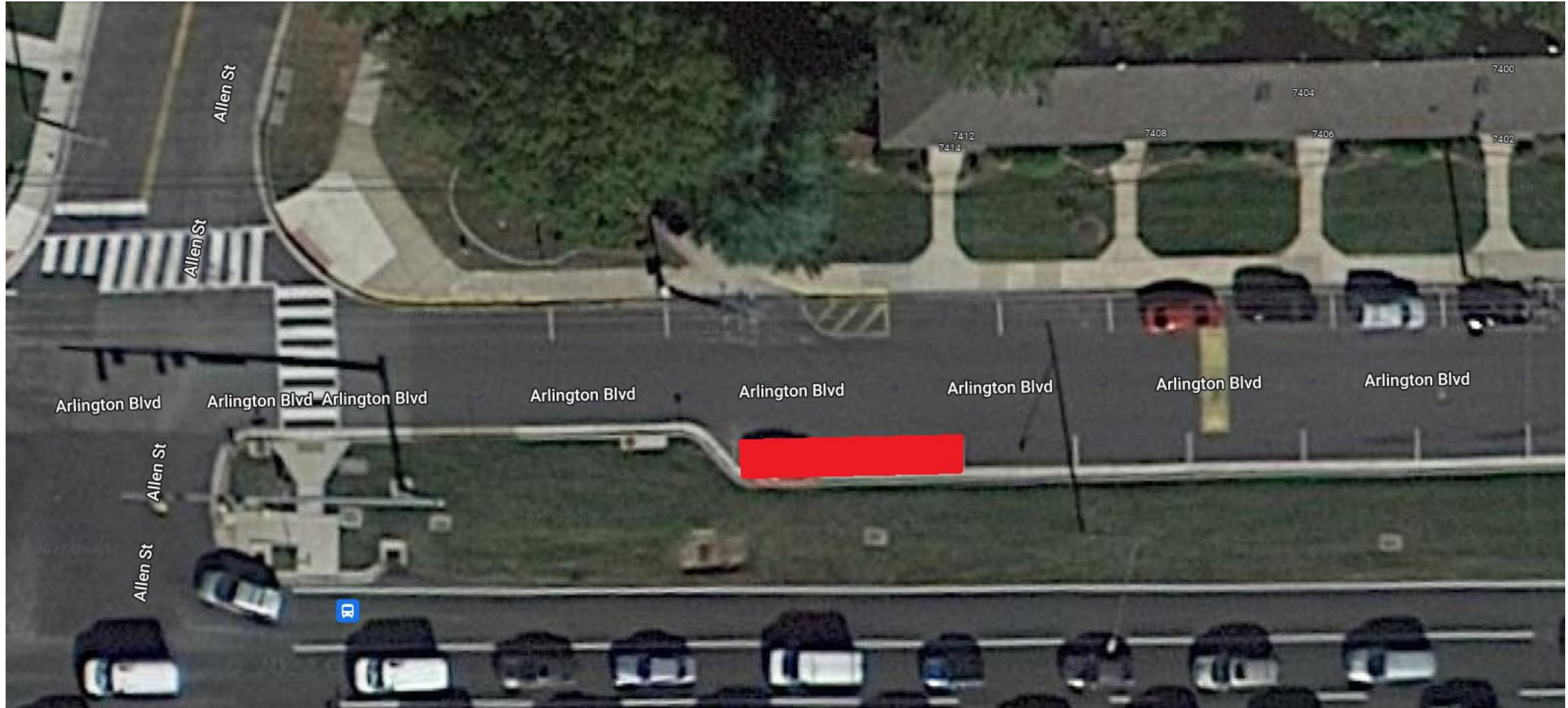
Kingsbridge Drive & Draper Drive



Kingsbridge Dr & Draper Dr



Arlington Boulevard & Allen Street



Arlington Boulevard & Allen Street



Avenir Place & Prosperity Avenue

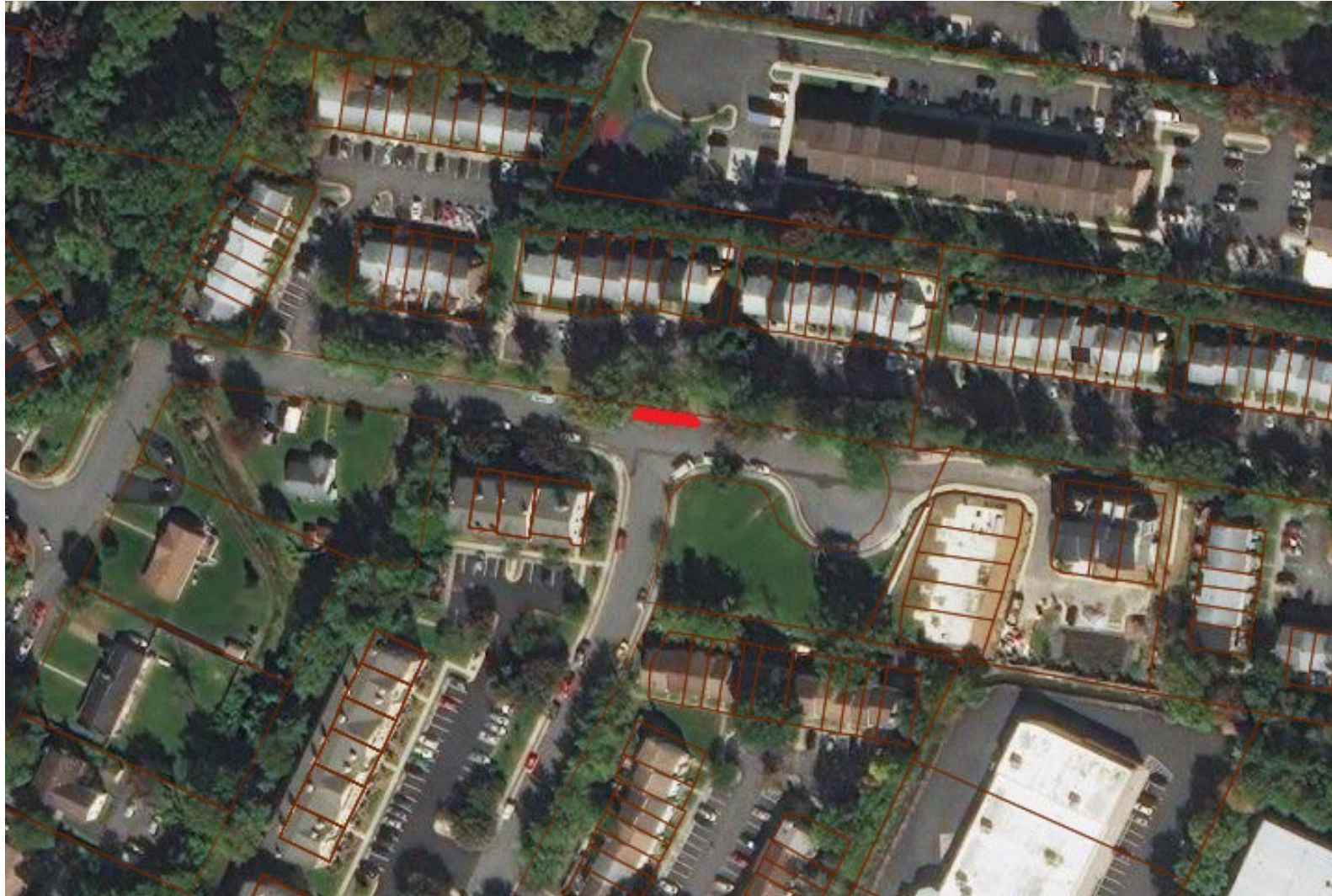
*Subject to approval
From Washington
Metro



Avenir Place & Prosperity Avenue



Emma Lee Street & Morris Street



Emma Lee Street & Morris Street



Route 29 & Bisney Drive



Route 29 & Bisney Drive



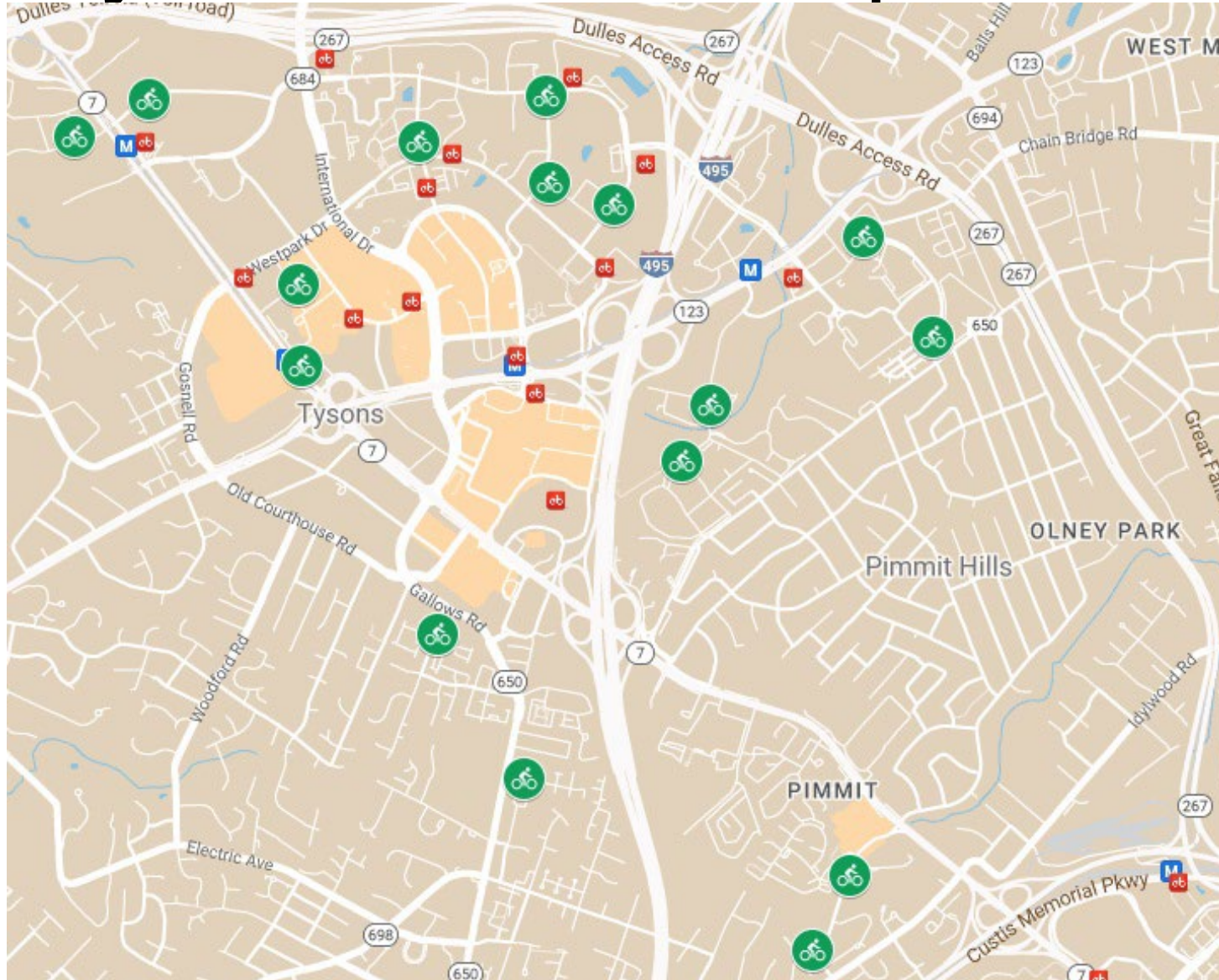
Tysons Area Proposed Stations

- Chain Bridge Road & Anderson Road
- Dartford Street & Anderson Street*
- Greensboro Metro North*
- Jones Branch Drive & Blyton Street
- Madrillon Road & Boss Street
- Madron Lane & Bermudez Court
- Old Meadow Road & Cathy Lane
- Old Meadow Road & Old Meadow Lane
- Pimmit Drive & Idyl Lane
- Pimmit Drive & Los Pueblos Lane
- Silver Hill Drive & Boro Place
- Tyco Road & Boyd Pointe Way
- Westbranch Drive & Maitland Street*
- Westbranch Drive & Jones Branch Drive

*note that some stations will move from existing locations in Tysons

Map of Tysons District Proposed Stations

-  Existing stations
-  Planned stations



Chain Bridge Road & Anderson Road



Chain Bridge Road & Anderson Road



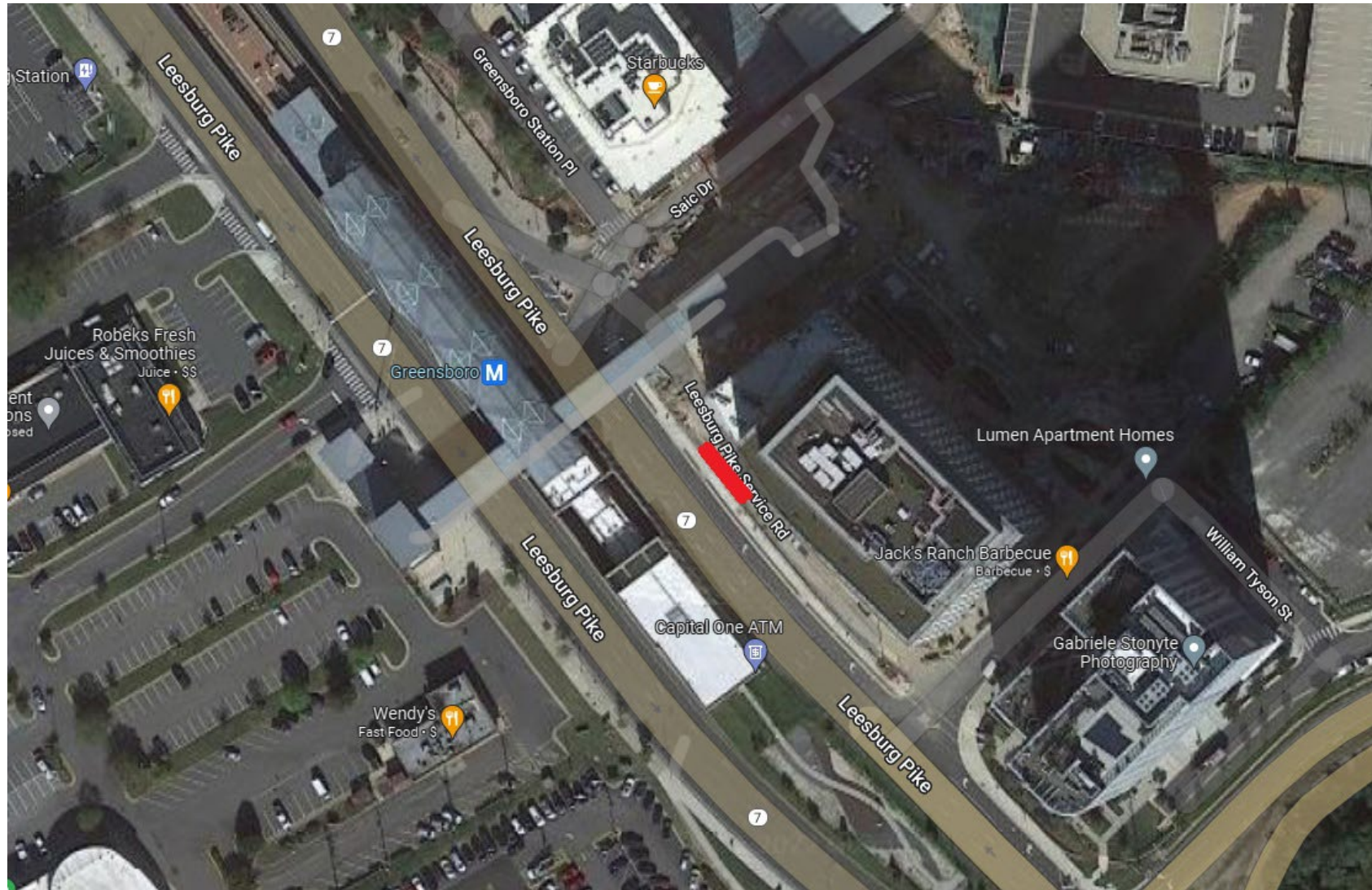
Dartford Drive & Anderson Road



Dartford Dr & Anderson Rd



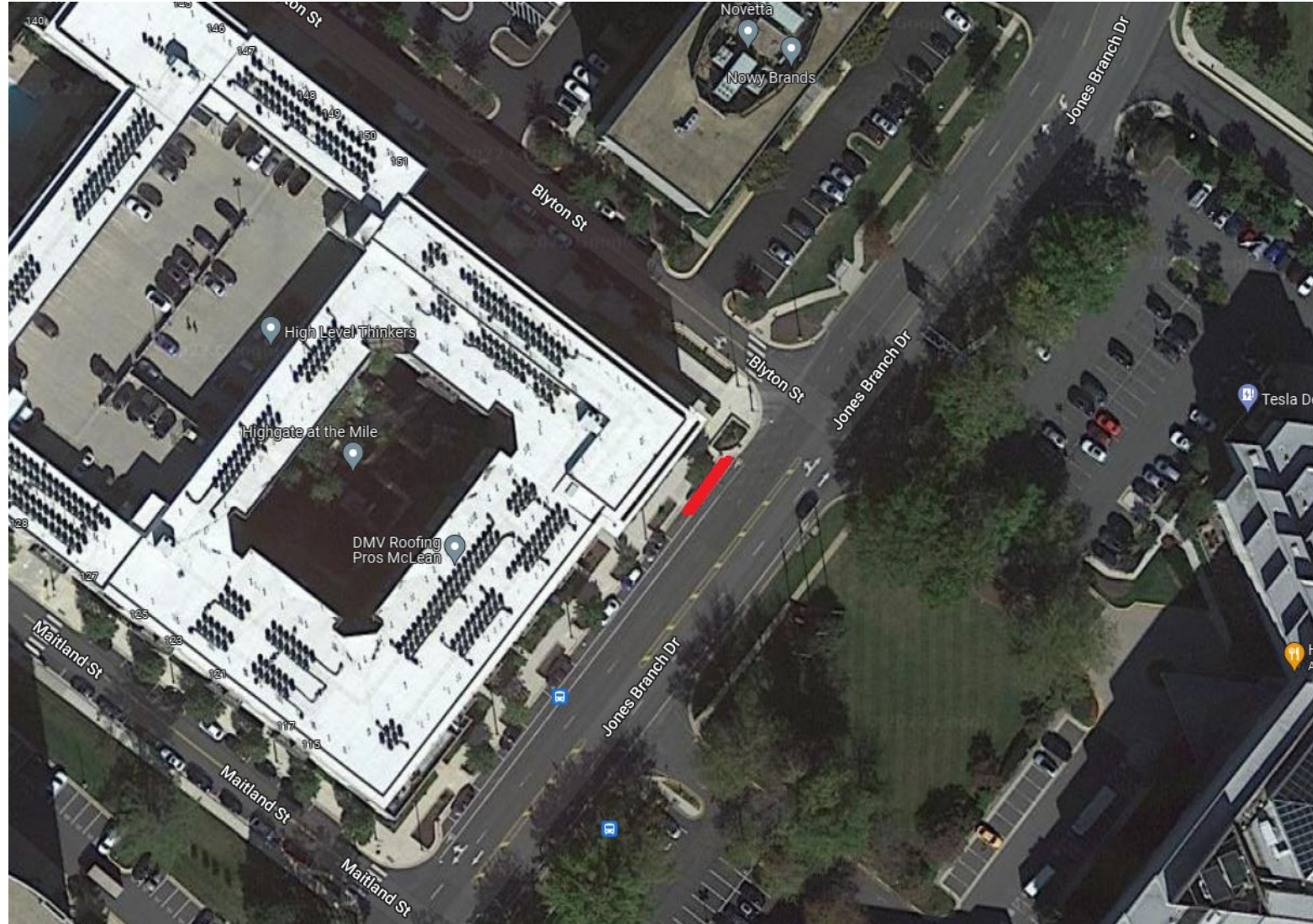
Greensboro Metro North



Greensboro Metro North



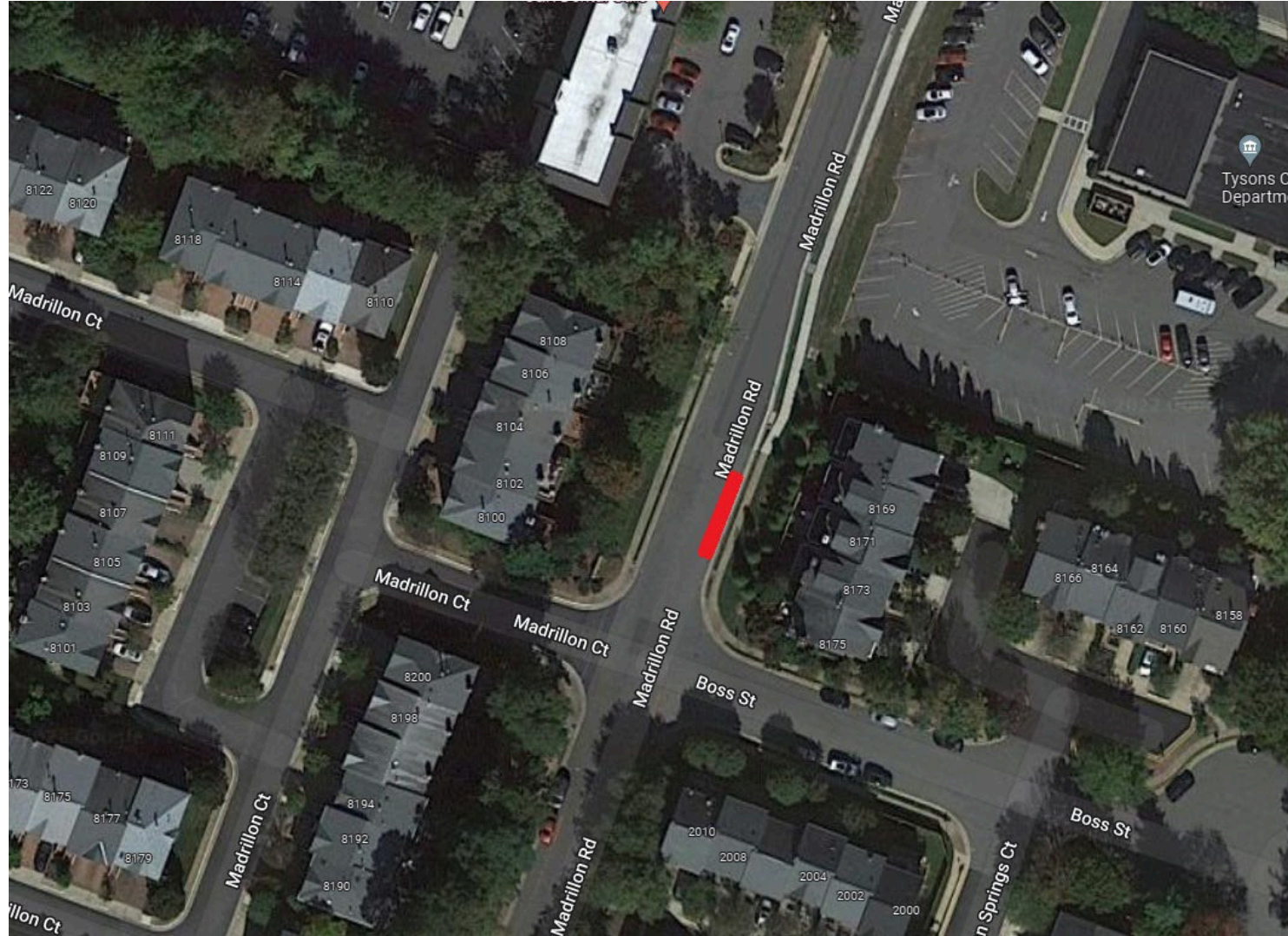
Jones Branch Drive & Blyton Street



Jones Branch Drive & Blyton Street



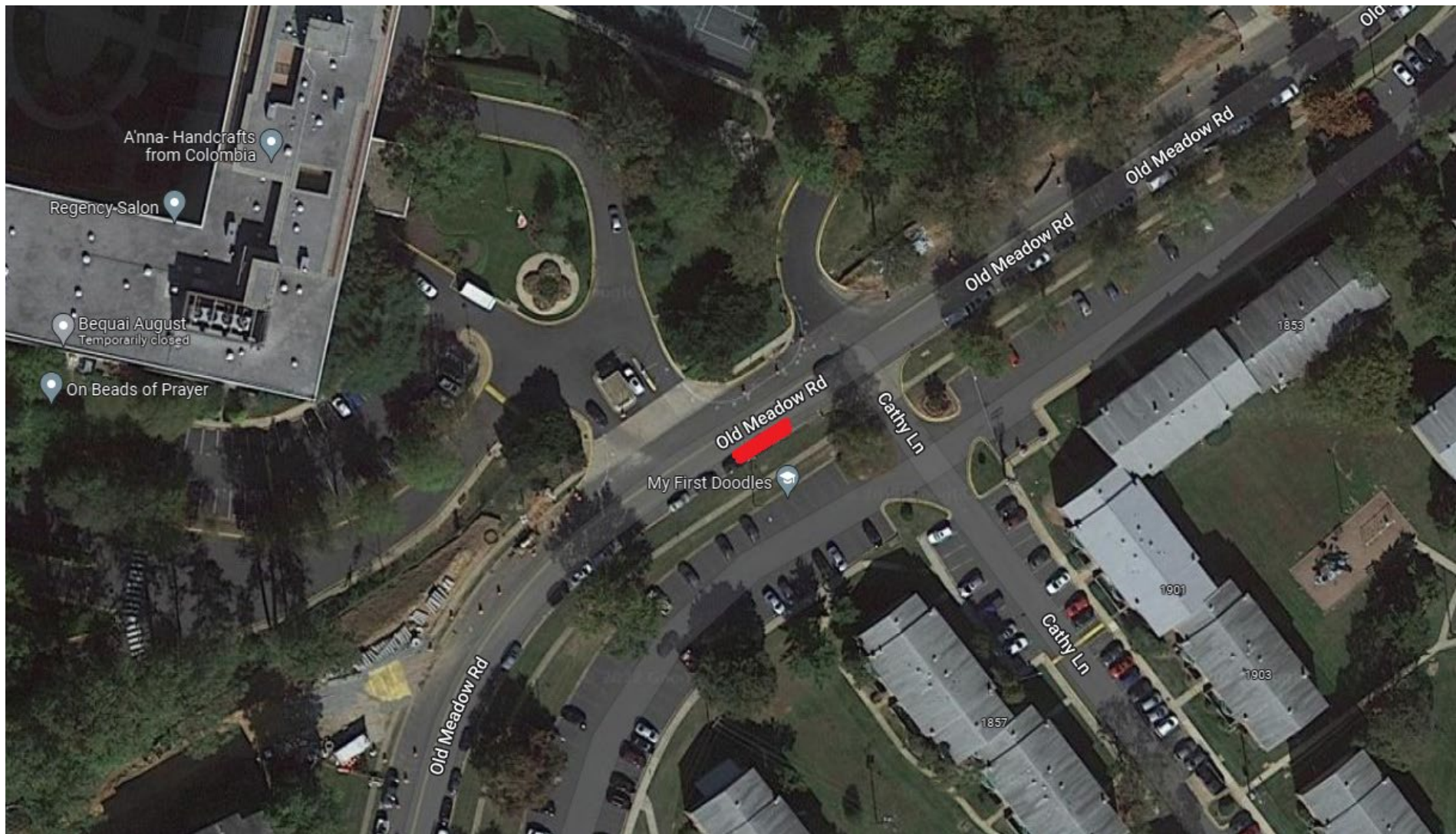
Madrillon Road & Boss Street



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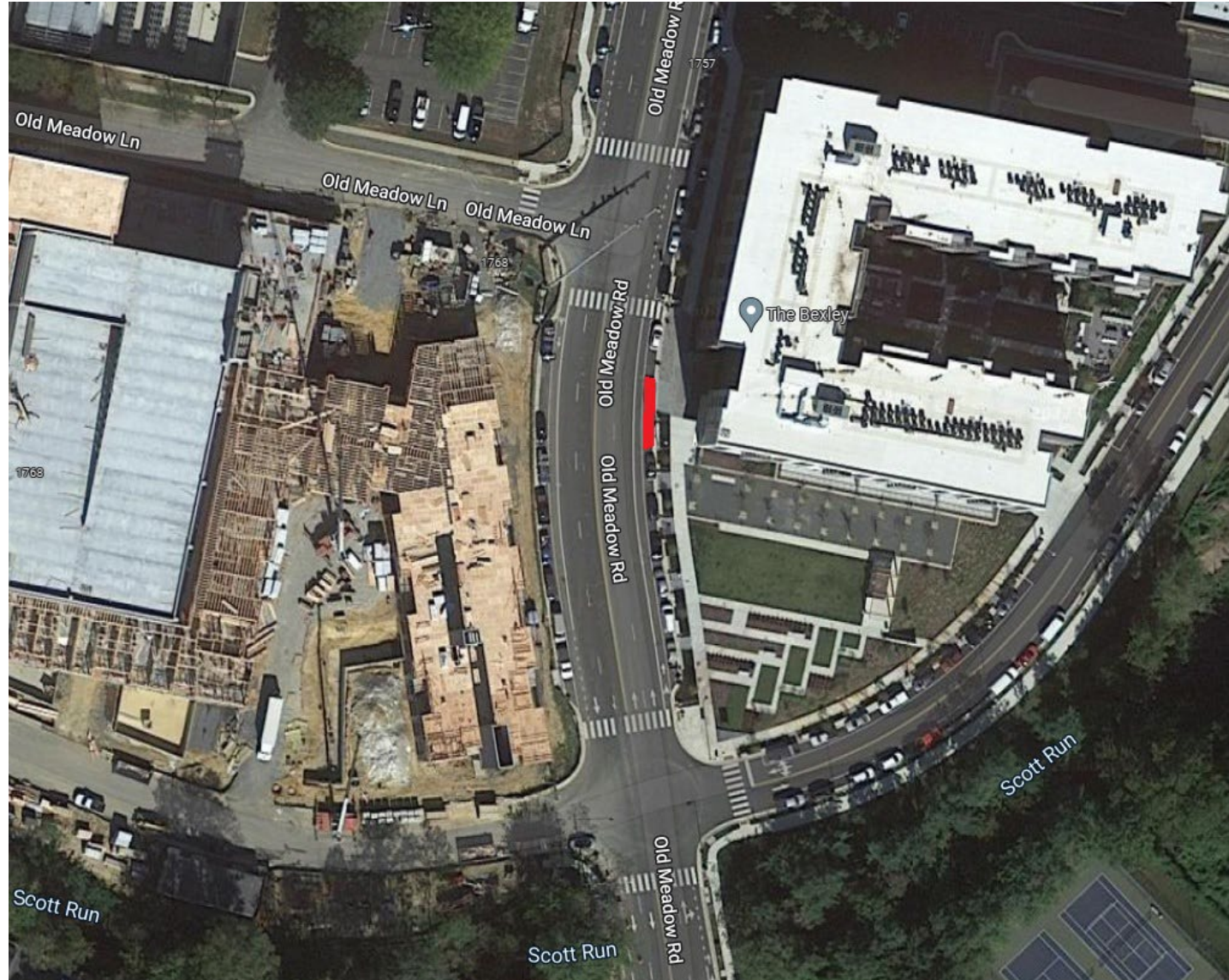
Old Meadow Road & Cathy Lane



Old Meadow Road & Cathy Lane



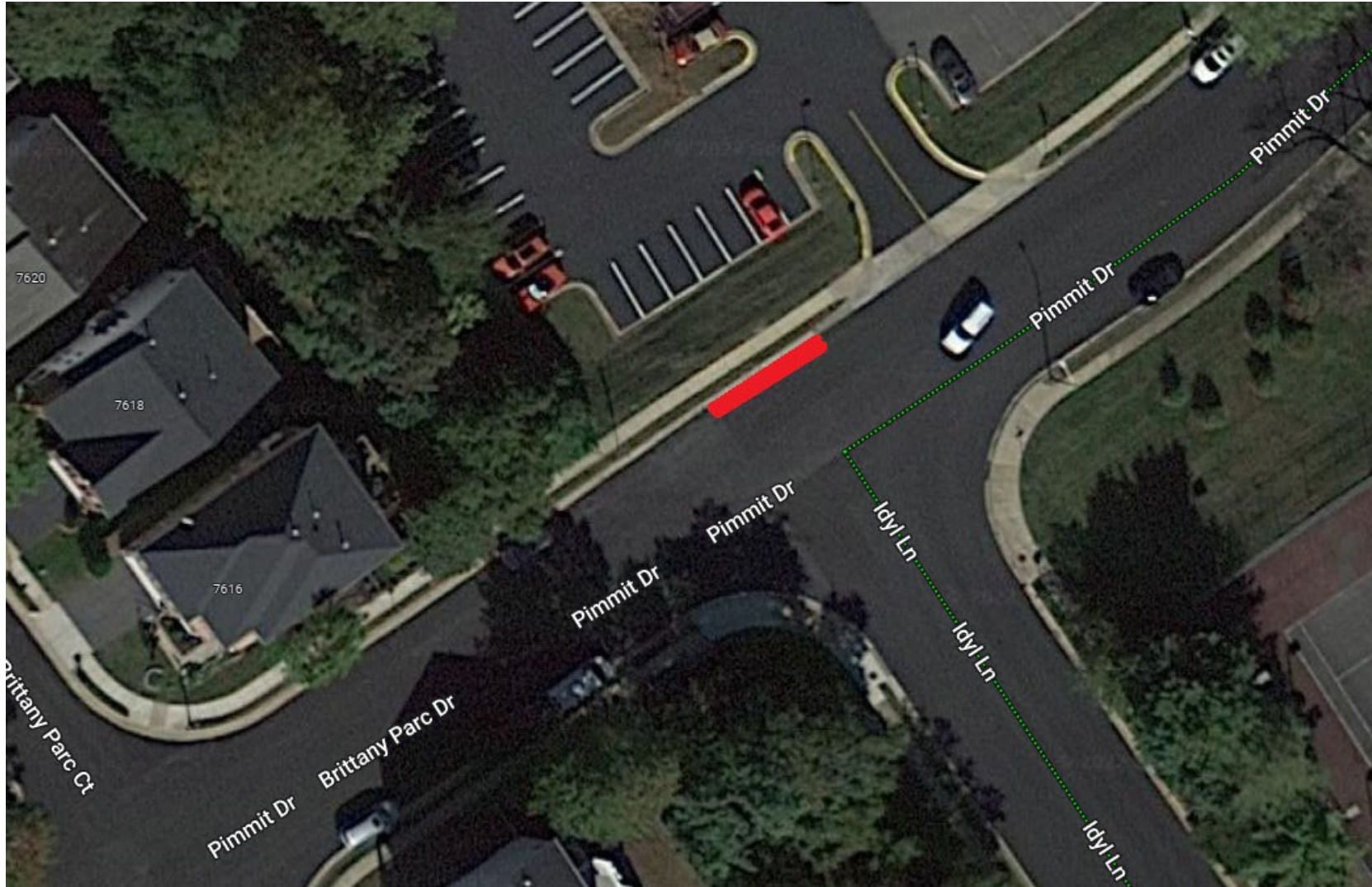
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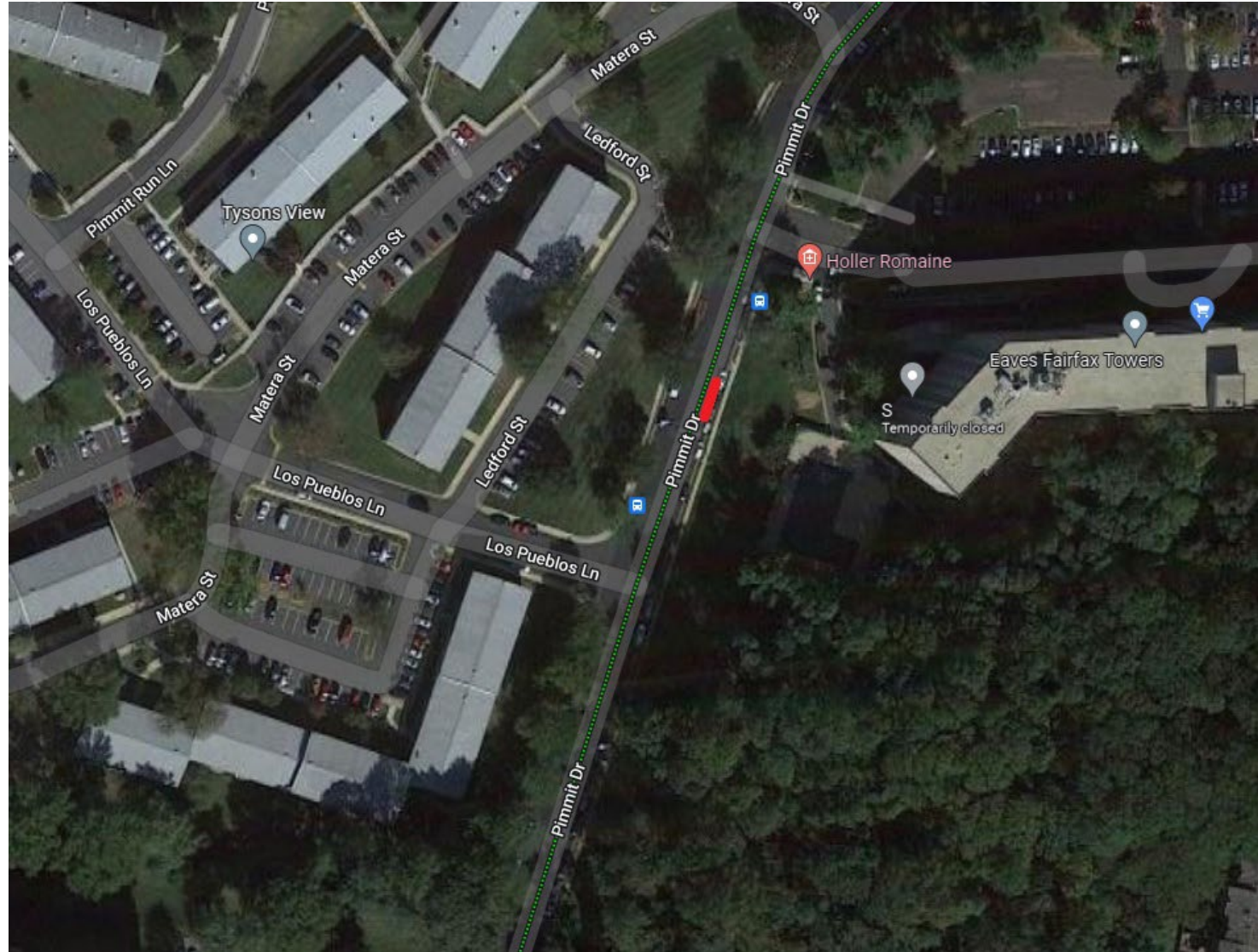
Pimmit Drive & Idyl Lane



Pimmit Drive & Idyl Lane



Pimmit Drive & Los Pueblos Lane



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Silver Hill Drive & Boro Place



Silver Hill Drive & Boro Place



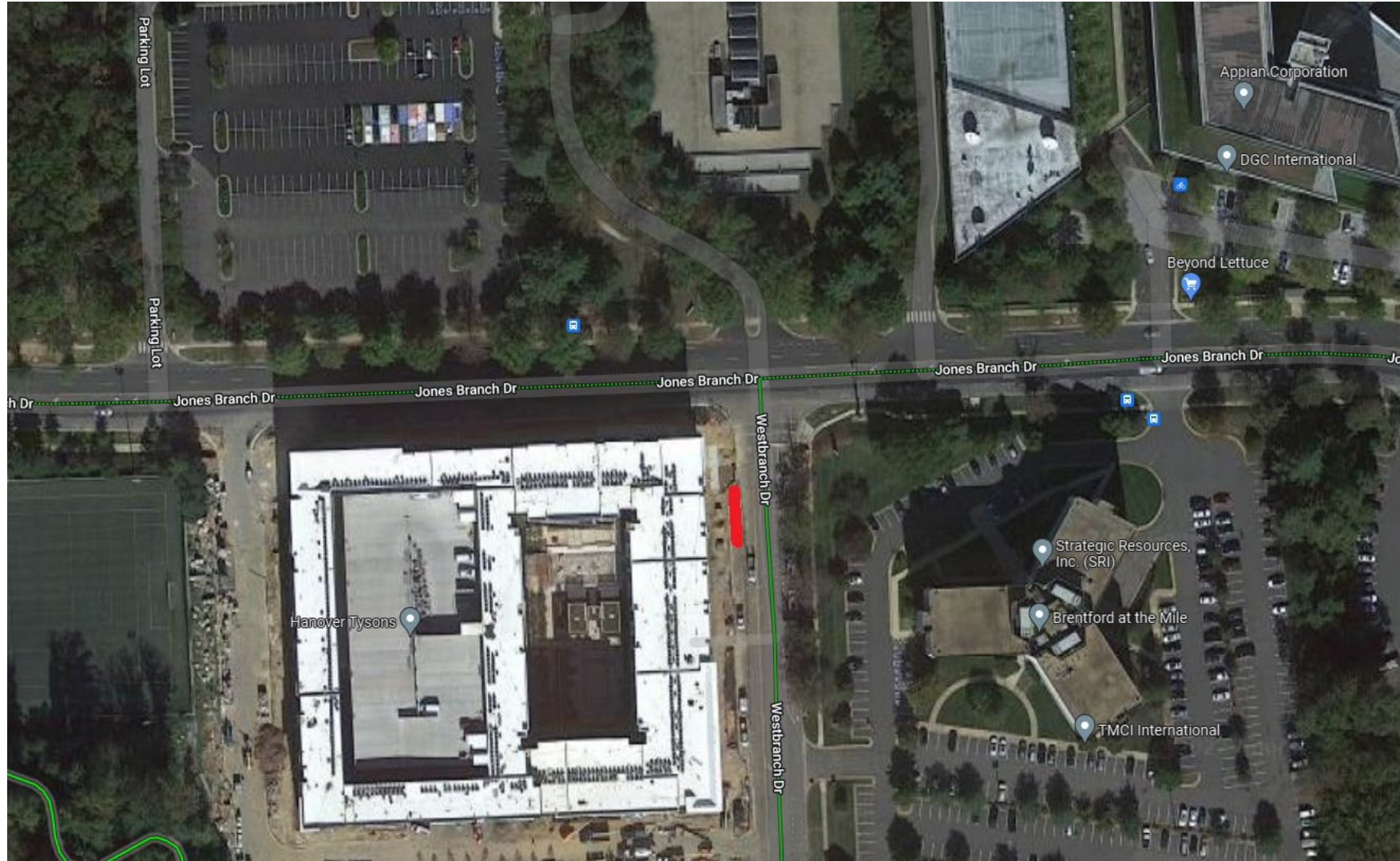
Tyco Road & Boyd Pointe Way



Tyco Road & Boyd Pointe Way



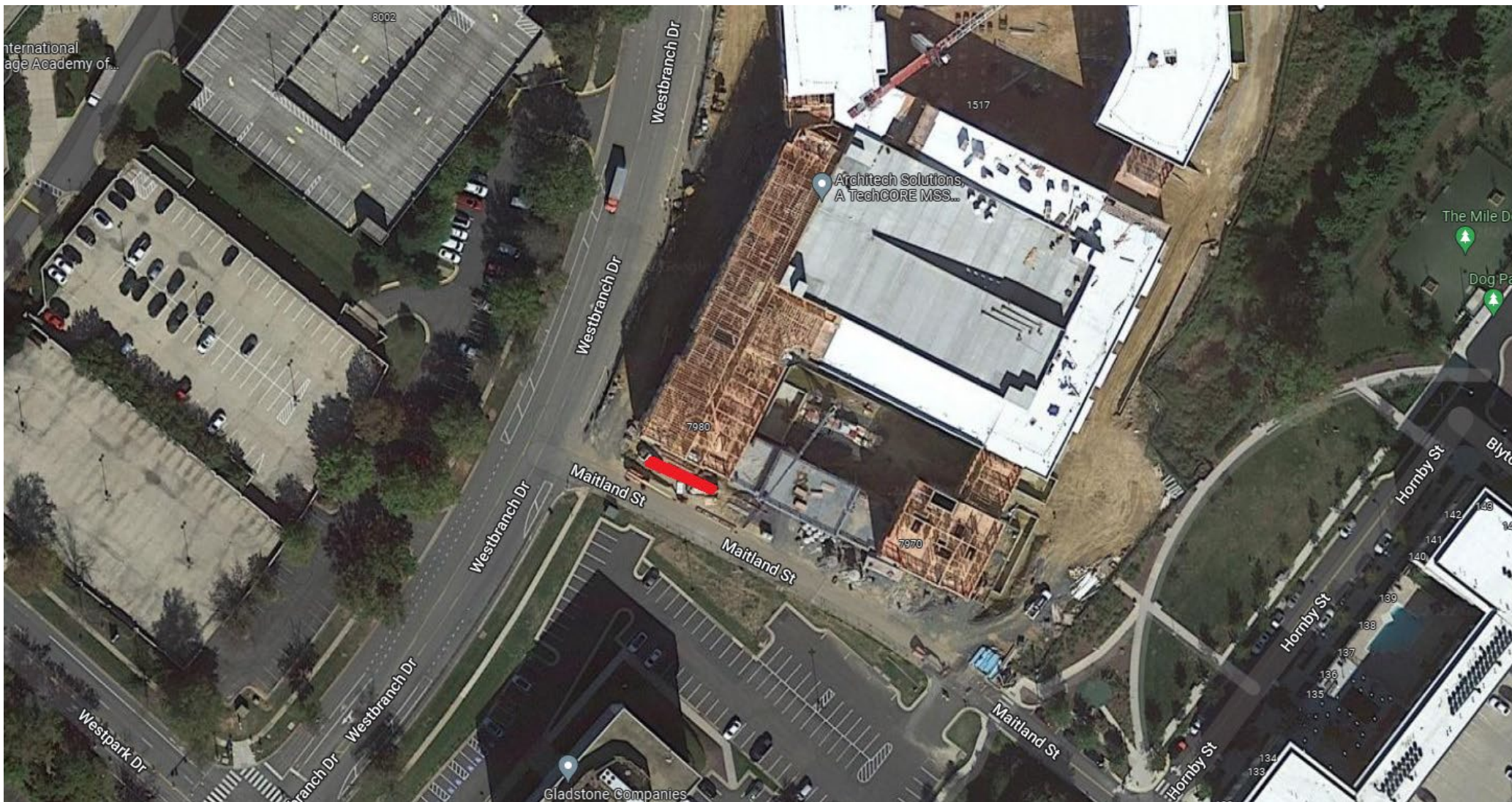
Westbranch Drive & Jones Branch Drive



Westbranch Drive & Jones Branch Drive



Westbranch Drive & Maitland Street



Westbranch Drive & Maitland Street



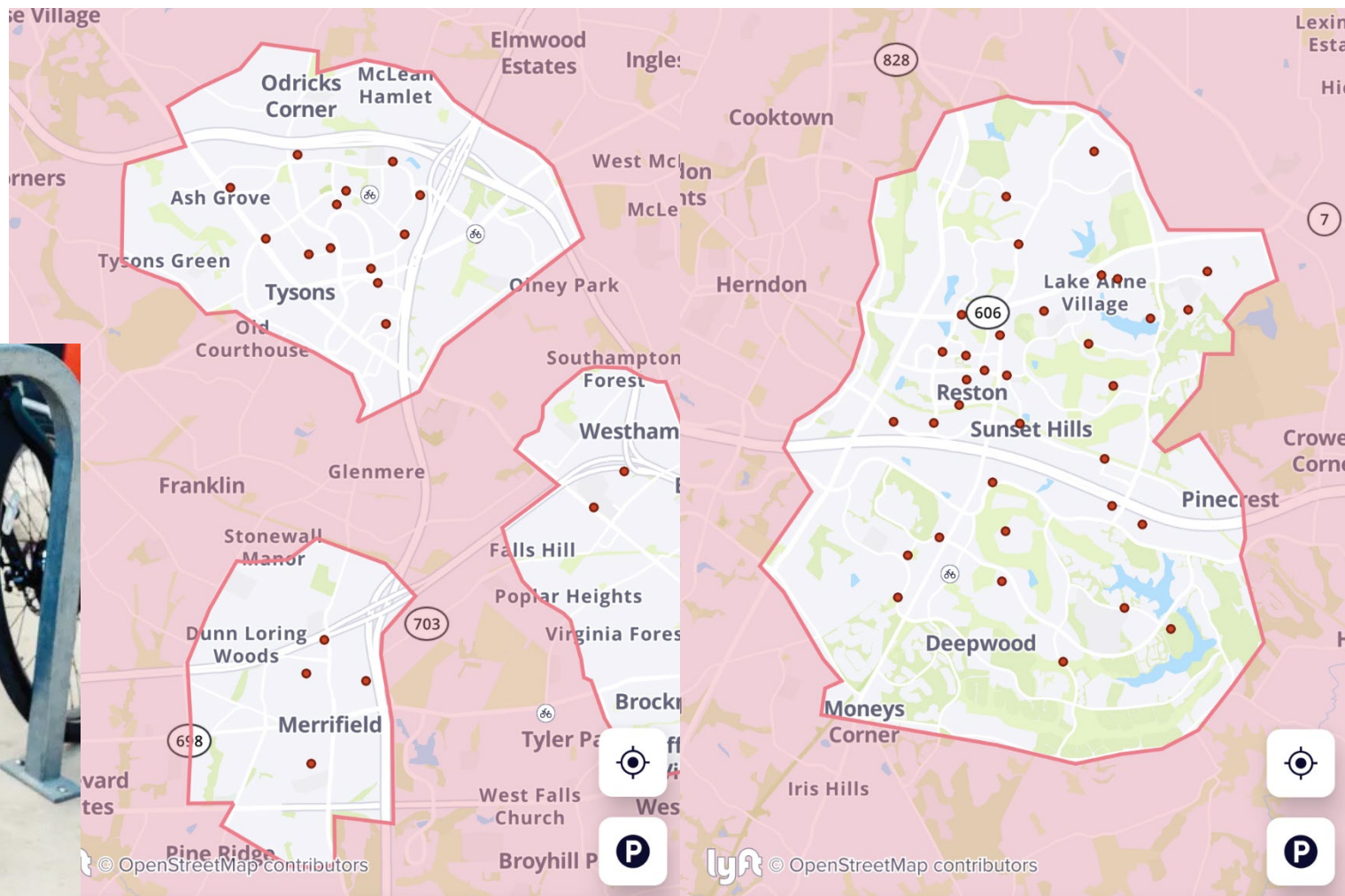
Electric Bikes (E-Bikes)

- Since July 2020, CaBi has hosted contractor-provided e-bikes, which made up 6% of the fleet but generated 15% of the trips
- Can lock to public bike rack instead of a docking station (i.e. dockless) within a ¼ mile of a station (i.e. service area)
 - Few complaints about poorly parked e-bikes
 - 5% of trips started or ended outside of dock Countywide
 - Equity members ride for free for 60 minutes and \$2 out of station fee waived

Electric Bikes (E-Bikes)

- Will acquire 95 electric bicycles instead of classic bikes with Transportation Alternatives Program grant
- Buying our own ensures future e-bike service after contractor-provided e-bikes begin phasing out in August 2023
- While e-bikes' purchase price is higher than classic bikes, it is paid for by the grant and higher operating costs are covered by rider fees
 - \$3,918 e-bike purchase price
 - \$1,111 classic bike purchase price

E-Bike Service Area Examples



Capital Bikeshare's New E-Bike Model

Locking
mechanism



Next Steps

- Work with the Virginia Department of Transportation (VDOT) to earn approval to order equipment
- Work with VDOT to obtain permits
- Install stations in 2023-2024

Public Comment

- Accepting public input via bikefairfax@fairfaxcounty.gov through December 16, 2022
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