



# FAIRFAX COUNTY PARK AUTHORITY



## M E M O R A N D U M

**TO:** Chairman and Members  
Park Authority Board

**VIA:** Jai Cole, Executive Director

**FROM:** Stephanie Leedom, Division Director  
Planning and Development Division

**DATE:** October 7, 2021

### *Agenda*

**Planning and Development Committee  
(Committee of the Whole)  
Wednesday, October 13, 2021 – 6:50 pm  
Boardroom – Herrity Building  
Chairman: Ken Quincy  
Vice Chair: Mike Thompson**

1. 2020 Bond Trails Workplan – Action\*

\*Enclosures



If accommodations and/or alternative formats are needed, please call (703) 324-8563. TTY (703) 803-3354

Board Agenda Item  
October 27, 2021

## ACTION

### Approval - Allocation of 2020 Park Bond Funding for Trail Projects

#### ISSUE:

Approval of allocation of 2020 Park Bond Funding for Trail Projects.

#### RECOMMENDATION:

The Park Authority Executive Director recommends approval of the allocation of 2020 Park Bond Funding for Trail Projects.

#### TIMING:

Board approval is requested on October 27, 2021, so that priority trail projects funded from the 2020 Park Bond can be initiated in FY 2022.

#### BACKGROUND:

The Trail Development Strategy Plan (TDSP) was created to address results of the Park Authority Needs Assessment and previous Park Authority Board directives to increase the availability of trails to the public. The TDSP was presented to the board on June 10, 2009. The plan includes the following set of criteria for trail project prioritization: connectivity, service level, stakeholder interest, environmental impact, technical challenge, initial unit cost, sustainability, and maintenance unit cost. The plan was used to select projects for funding with both the 2008, 2012 and 2016 Bond Funds. The 43 projects, representing \$9 million in bond expenditures, have been completed to date as prioritized under the TDSP.

In October 2017, staff presented the Park Authority Board with a recommended list of 14 trail projects for funding from the 2016 Park Bond employing the TDSP. Staff updated the Park Authority Board in September 2021 on the progress of the 14 trail projects approved for funding from the 2016 Park Bond. Staff has included the construction phase of three projects on the list for development that were previously identified as unfunded in the October 2016 recommendation.

Funding is available in the 2020 Park Bond in the amount of \$4,000,000 for trail development to continue implementation of the TDSP. Staff has identified 141 potential trail projects that have not been funded to date. An agency wide team was assembled to further evaluate and refine the projects and create the final prioritized list. The list of

Board Agenda Item  
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projects was derived from the highest scoring projects, while taking into consideration an equitable geographic distribution of the projects. Staff's prioritized list of trail projects recommended for funding from the 2020 Park Bond based on applying the TDSP criteria is shown in Attachment 2. Maps of the proposed projects are provided in Attachment 3. The recommended project list includes additional projects that are shown as unfunded based on current cost estimates. As the costs are approximate pending final scoping, a list of unfunded projects has also been recommended. Upon completion of the funded projects, unfunded projects may be selected for implementation if funding is available.

Staff presented the recommended trail project list to the Park Authority Board Planning and Development Committee for discussion on September 22, 2021. Ensuing discussion has not resulted in any changes to the recommended project list. Staff will prepare refined project scopes and cost estimates as individual projects are assigned for development based on the recommended list of projects.

ENCLOSED DOCUMENTS:

- Attachment 1: 2016 Trail Project List
- Attachment 2: Draft 2020 Prioritized Trail Project List
- Attachment 3: Draft 2020 Trail Project Maps

STAFF:

Jai Cole, Executive Director  
Sara Baldwin, Deputy Director/COO  
Aimee L. Vosper, Deputy Director/CBD  
Stephanie Leedom, Director, Planning and Development Division  
Kurt Louis, Director, Park Operations Division  
Cindy Walsh, Director, Park Services Division  
Cindy Walsh, Director, Resource Management Division  
Paul Shirey, Project Management Branch Manager, Planning and Development Division  
Mohamed A. Kadasi, Branch Manager, Planning and Development Division  
Tom McFarland, Trail Program Manager, Planning & Development Division  
Elizabeth Iannetta, Trails and Infrastructure Coordinator, Planning & Development Division

2016 Park Bond Trail List - PAB Approved October 2017

	Status	Project name - Status	Park	District	Linear Feet	Surface Type	Cost	Other Funding	Comments
<b>2016 Bond Funds for Trails - funded</b>									
1	Complete	CCT in Accotink SV Hunter Village Dr	Accotink SV	B	4,400	asphalt	\$486,160		Restore connectivity to GCCCT
2	Construction	Lake Accotink Dam - construction	Lake Accotink	B	450	concrete	\$696,010	\$300,000	Improve Lake Accotink Loop Trail
3	Complete	Flatlick SV Hamlin to Moselle	Flatlick SV	Su	1,160	asphalt	\$412,000		Complete Flatlick SV Trail section
4	Complete	Pohick SV Burke Station Park to Hillside -Design	Pohick SV	S	2,500	asphalt	\$200,000		Continue Pohick SV Trail
5	Complete	Huntsman Lake Dam Loop	Huntsman	S	350	asphalt	\$82,400		Complete Huntsman Lake Loop
6	Complete	Long Branch SV Paving Upper	Long Branch SV	B	5,950	asphalt	\$474,650		Improve Long Branch SV Trail for safety/bikes
7	Complete	Sugarland Run Improvements North of Wiehle	Sugarland Run SV	D	3,000	asphalt	\$243,080		Improve Sugarland Run SV
8	Permitting	Rocky Run SV in Greenbriar - Design	Rocky Run SV	S	1,300	asphalt	\$249,550		Improve Rocky Run SV Trail for safety/bikes
9	Design	CCT to Mill Springs Dr Connector	Accotink SV	P	220	asphalt	\$100,940		Connect Mantua Hills to GCCCT
10	Construction	CCT Improvements in Sally Ormsby	Sally Ormsby	P	3,650	asphalt	\$302,820		Improve GCCCT for safety/bikes
11	Complete	Island Creek-Amberleigh - Design	Island Creek	L	2,500	asphalt	\$349,170		Connect neighborhoods to Cinderbed Lane Trail
12	Complete	CCT Improvements near Woodburn Dr	Accotink SV	M	3,000	concrete	\$421,270		Improve GCCCT for safety/bikes
13	Design	South Run SV Improvements Hooes Rd to South Run Rd	South Run SV	MV	7,400	asphalt	\$561,350		Improve South Run SV Trail
14	Scope	CCT Little Difficult Run crossing	Little Difficult Run	HM	40	natural	\$20,600		Improve GCCCT in Little Difficult Run SV

**TOTAL      \$4,600,000    \$300,000**

<b>2016 Bond Funds for Trails - unfunded</b>									
1	Construction	Pohick SV Burke Station Park to Hillside -Construct	Pohick SV	S	2,500	asphalt	\$472,590		Continue Pohick SV Trail
2		Rocky Run SV in Greenbriar - Construction	Rocky Run SV	S	1,300	asphalt	\$300,500		Improve Rocky Run for safety/bikes
3		Flatlick SV Braddock to Stonecroft	Flatlick SV	Su	2,400	asphalt	\$398,610		Improve Flatlick SV Trail
4		Lake Accotink Natural Trails	Lake Accotink	B	21,500	natural	\$309,000		Create sustainable trails in Lake Accotink Park
5		Long Branch SV Paving Lower	Long Branch SV	B	5,700	asphalt	\$512,940		Improve Long Branch SV for safety/bikes

**TOTAL      \$1,220,550**



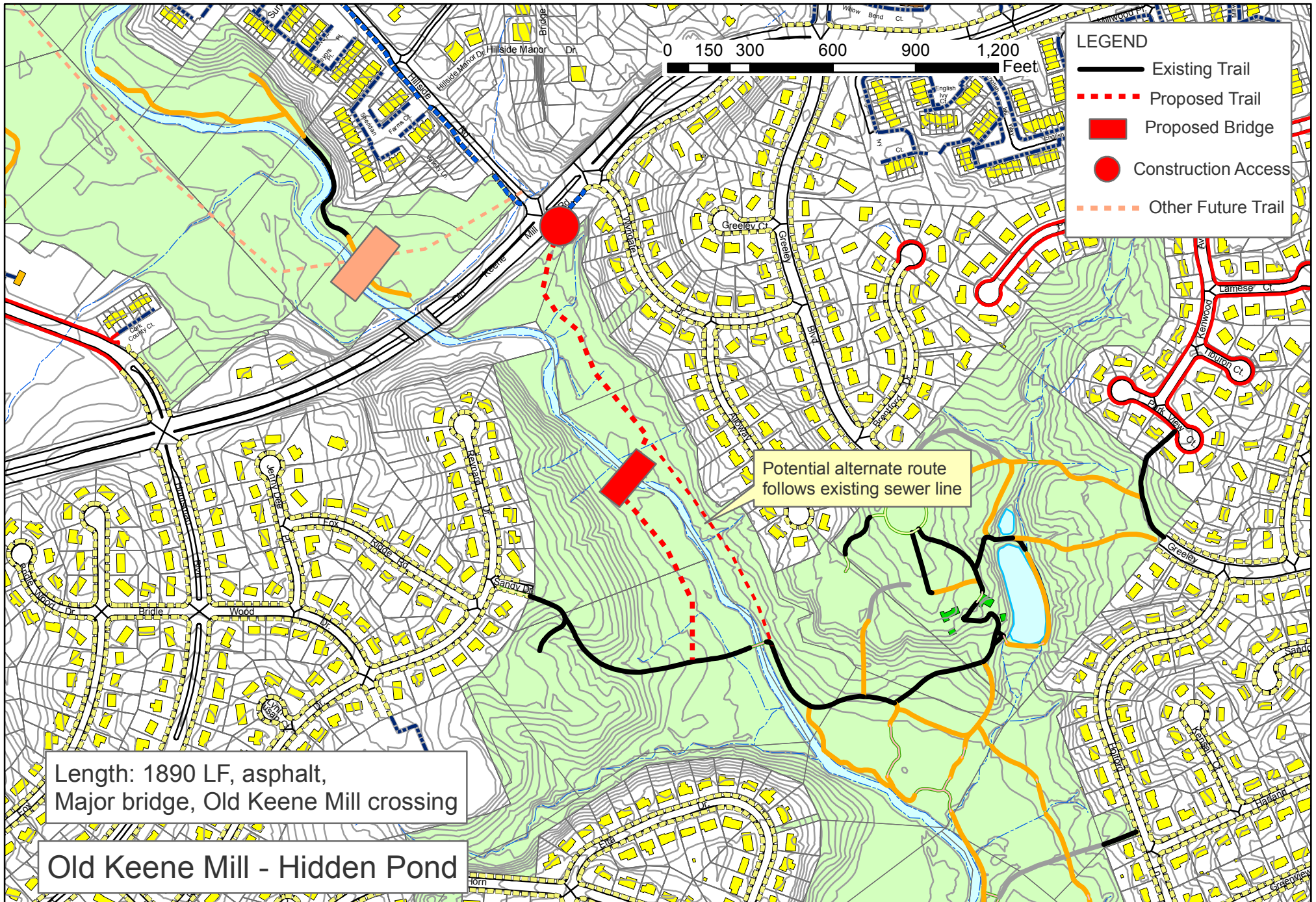
## 2020 Bond Fund for Trails

Project name	Park	District	Linear Feet	Surface Type	Costs	Comments
Pohick - Old Keene Mill Rd to Hidden Pond Construction	Pohick SV	S	1,750	asphalt	\$560,000	Completion of 2016 Bond Project
Rocky Run SV in Greenbriar Construction	Rocky Run SV	S	1	Bridge	\$100,000	Completion of 2016 Bond Project
Island Creek-Amberleigh Trail Construction	Island Creek	L	2,550	asphalt	\$820,000	Completion of 2016 Bond Project
Bren Mar Park Trail Improvements Design/Construction	Bren Mar	M	650	asphalt	\$210,000	Improve trail connection to park facilities/parking
Briarcliff Connector Trail Design/Construction	Briarcliff	P	300	asphalt	\$96,000	Create trail connection in Briarcliff Park
Lake Fairfax Bridge Design/Construction	Lake Fairfax	HM	200	natural	\$94,000	Improvement to stream crossing. Complete Lake Fairfax Trail Plan
Long Branch SV Paving Lower Design/Construction	Long Branch SV	B	5,700	asphalt	\$410,000	Improve Long Branch SV for safety/bikes
Merrybrook Run-Dulles Station Crossing Design/Construction	Merrybrook Run SV	D	100	asphalt	\$350,000	Improvement to stream crossing.
Stone Crossing Connectors Design/Construction	Stone Crossing	Su	1,000	asphalt	\$310,000	Complete trail connections to park. Improve access to to park
Wayfinding Signs and Markers For FCPA Trails	All/GCCCT	All	1,500	Markers	\$50,000	Develop a trail marking system and deploy 1000-1500 trail markers throughout the county
Pimmit Run - Old Dominion to Brookhaven Design	Pimmit SV	D	2,400	stonedust	\$300,000	Establish a new sustainable route and stream crossings.
Rabbit Branch - Royal Lake to Braddock Road Design	Royal Lake Park	B	4,300	asphalt	\$300,000	Create new major trail connection to Royal Lake Park
Lorton VRE Trail Study Lorton VRE to GCCCT	Pohick SV	MV	3,283	asphalt	\$400,000	Study scope of proposed trail connection between the GCCCT and the Lorton VRE.
			13	Total	\$4,000,000	
			10	Construction	\$3,000,000	
			3	Design	\$1,000,000	

## 2020 Unfunded Projects

Project name	Park	District	Linear Feet	Surface Type	Costs	Comments
Pimmit Run - Old Dominion to Brookhaven Construction	Pimmit SV	D	2,400	stonedust	\$690,000	Establish a new sustainable route and stream crossings.
Rabbit Branch - Royal Lake to Commonwealth Construction	Royal Lake Park	B	2,000	asphalt	\$575,000	Create new major trail connection to Royal Lake Park
Rabbit Branch NOVA Training to Commonwealth Construction	Royal Lake	B	2,700	Asphalt	\$824,000	Create new major trail connection to Royal Lake Park
Rabbit Branch Bridge Replacement Construction	Royal Lake	B	300	Asphalt	\$310,000	Replacement of deteioated stream crossing in Royal Lake Park
Long Branch SV Pickett St to Olde Creek ES Design	Long Branch SV	B	3,400	asphalt	\$280,000	Complete final section of Long Branch Stream Valley Trail
Justice Park Trail - Pleasant Valley to Beachway Design	Justice Park	M	1,300	Asphalt	\$300,000	Improve pedestrian access to park
Royal Lake Loop to Roberts Road	Royal Lake	B	4,200	Asphalt	\$430,000	Improvement of existing trail connection to Royal Lake Park
Royal Lake Loop to Lakepointe Drive	Royal Lake	B	200	Asphalt	\$81,000	Improvement of existing trail connection to Royal Lake Park
				Total	\$3,490,000	

Project Types/Phases
Construction
Design and Construction
Design Only



Length: 1890 LF, asphalt,  
Major bridge, Old Keene Mill crossing

Old Keene Mill - Hidden Pond



# Rocky Run SV Improvements in Greenbriar

Pave 1,300 LF with asphalt and replace bridge

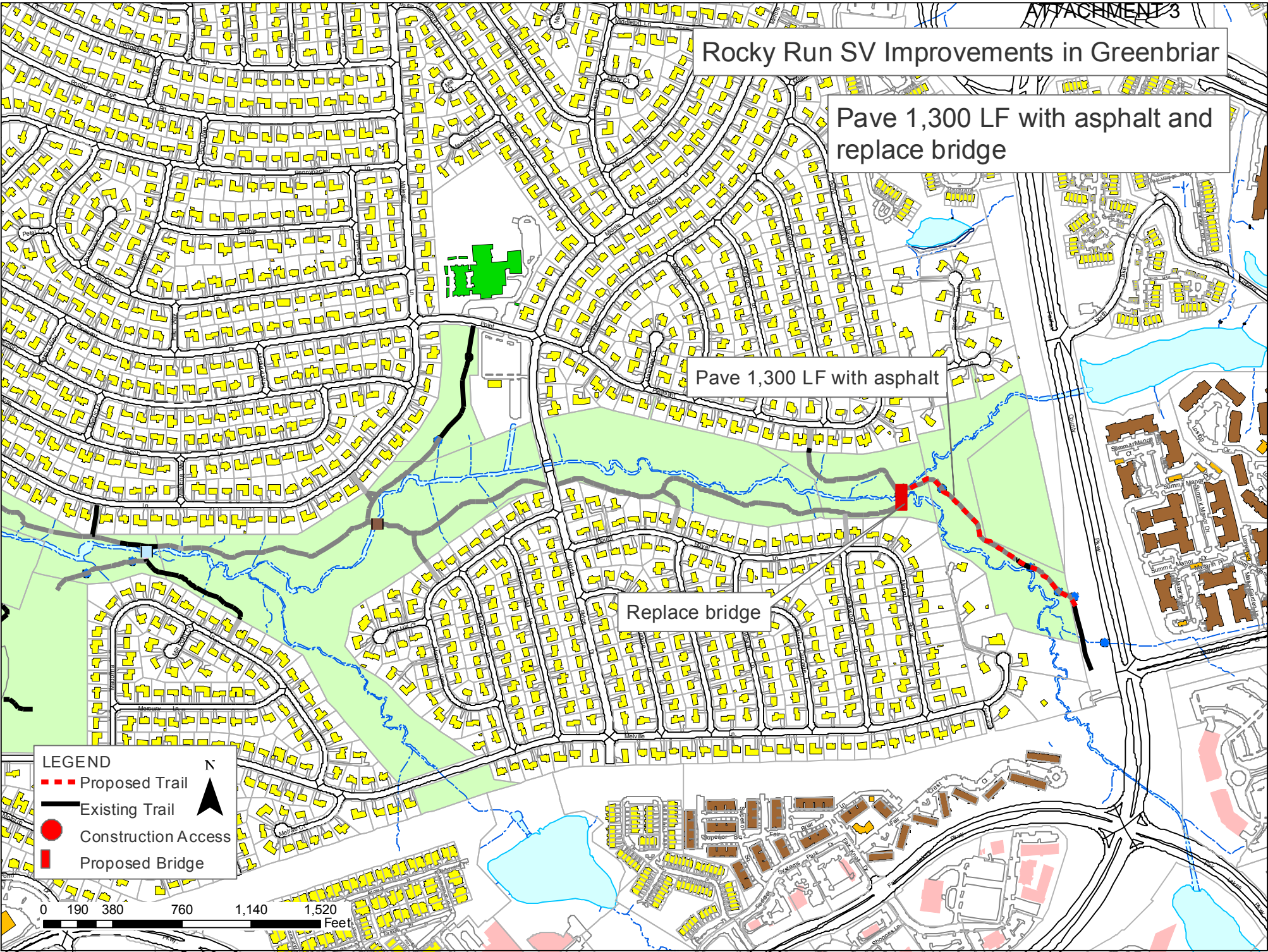
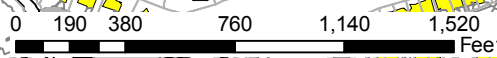
Pave 1,300 LF with asphalt

Replace bridge

**LEGEND**

- Proposed Trail
- Existing Trail
- Construction Access
- Proposed Bridge

N





# Island Creek - Amberleigh Trail

2,500 LF asphalt trail

Connect to Cinderbed Lane Trail and Franconia VRE

Easement

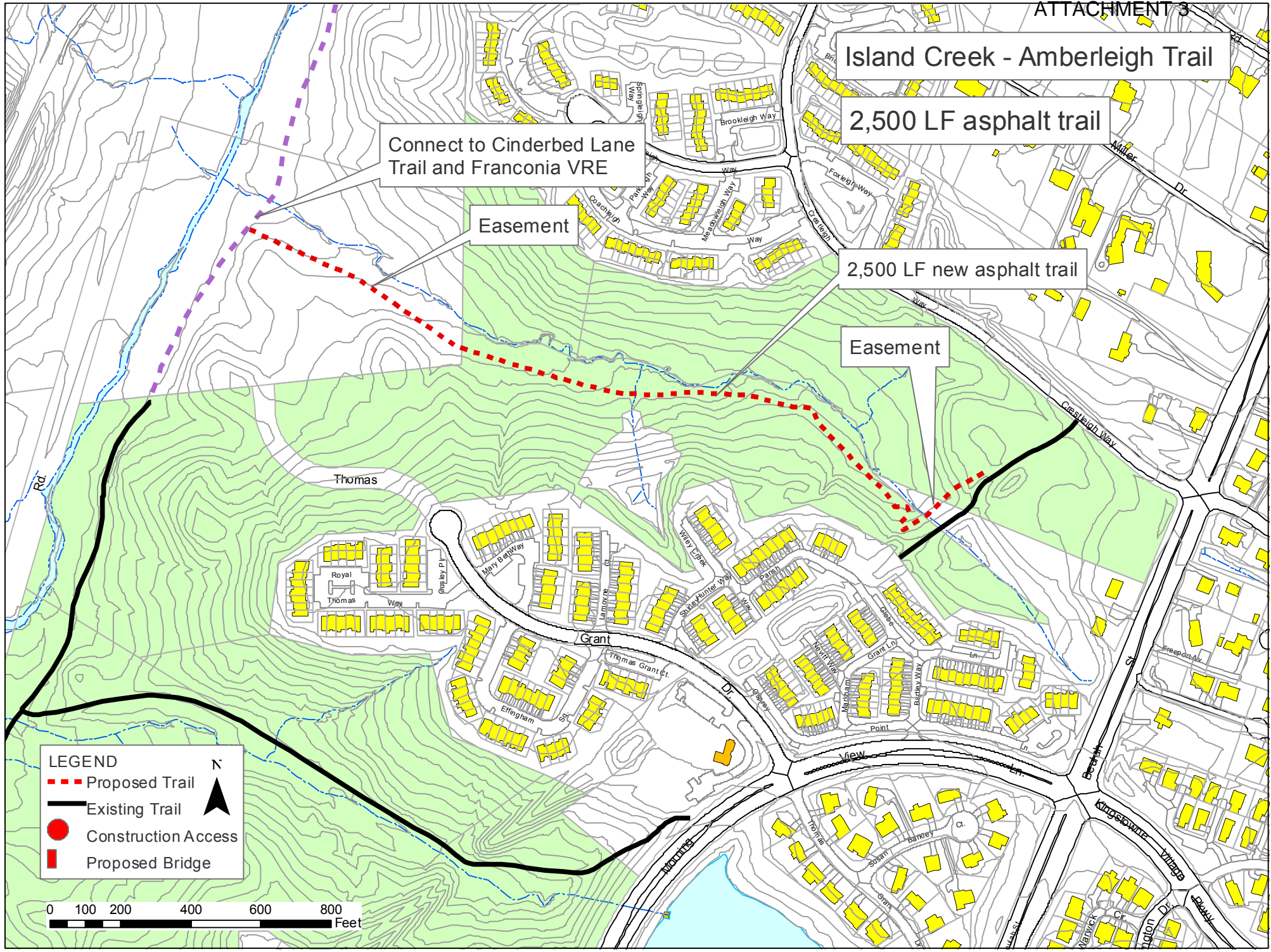
2,500 LF new asphalt trail

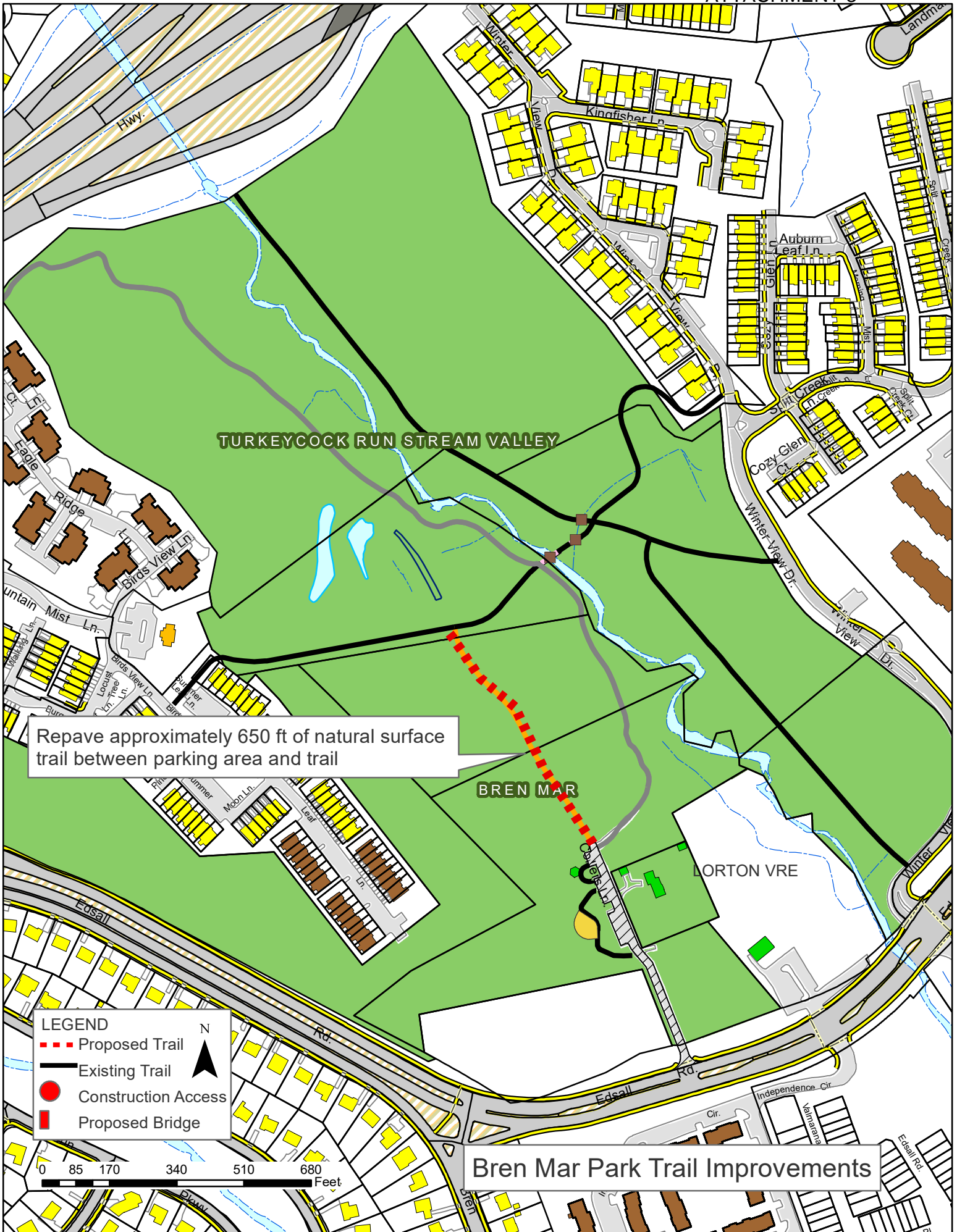
Easement

**LEGEND**

- - - Proposed Trail
- Existing Trail
- Construction Access
- Proposed Bridge

N  
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TURKEYCOCK RUN STREAM VALLEY

BREN MAR

LORTON VRE

Repave approximately 650 ft of natural surface trail between parking area and trail

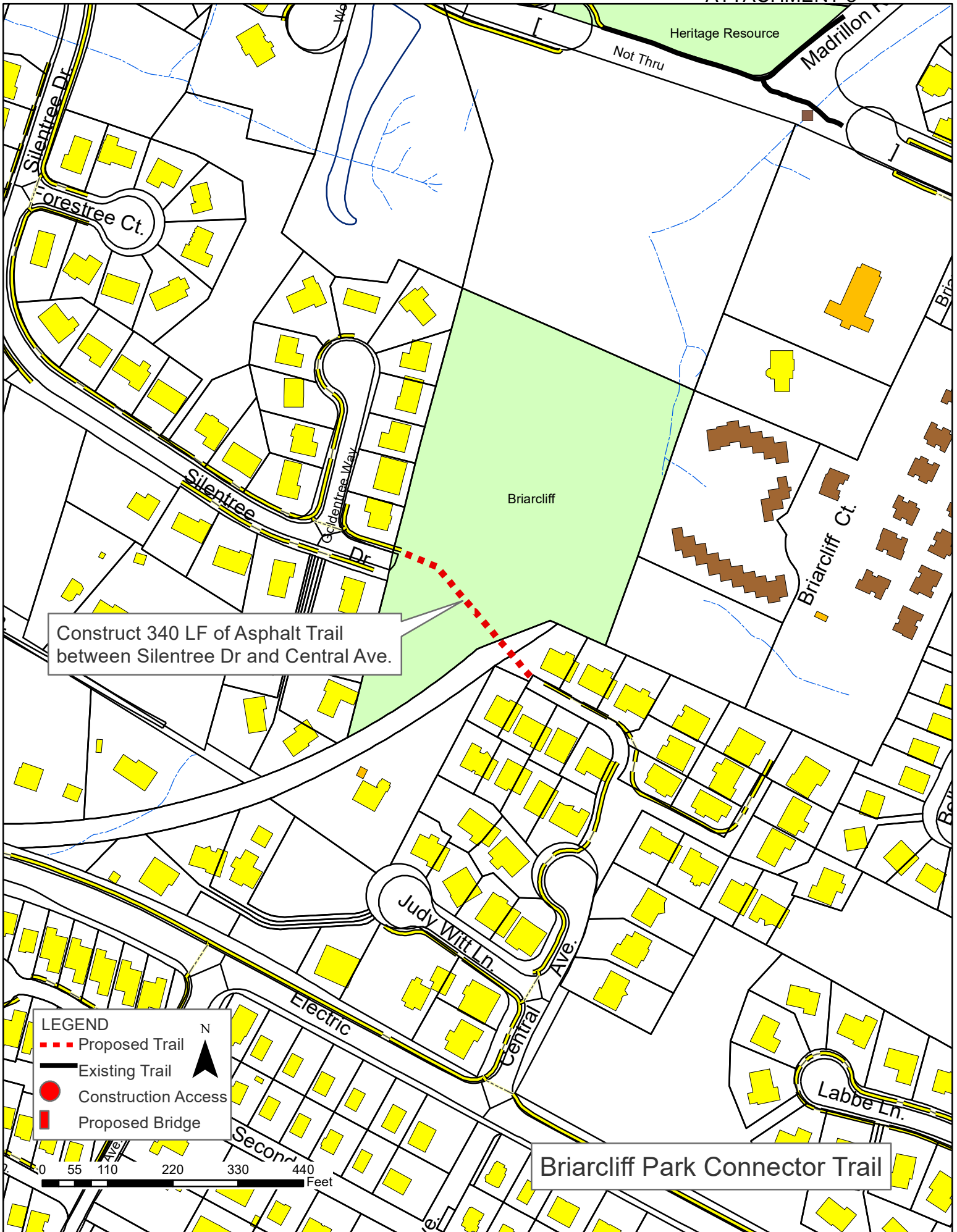
**LEGEND**

- Proposed Trail
- Existing Trail
- Construction Access
- Proposed Bridge



Bren Mar Park Trail Improvements



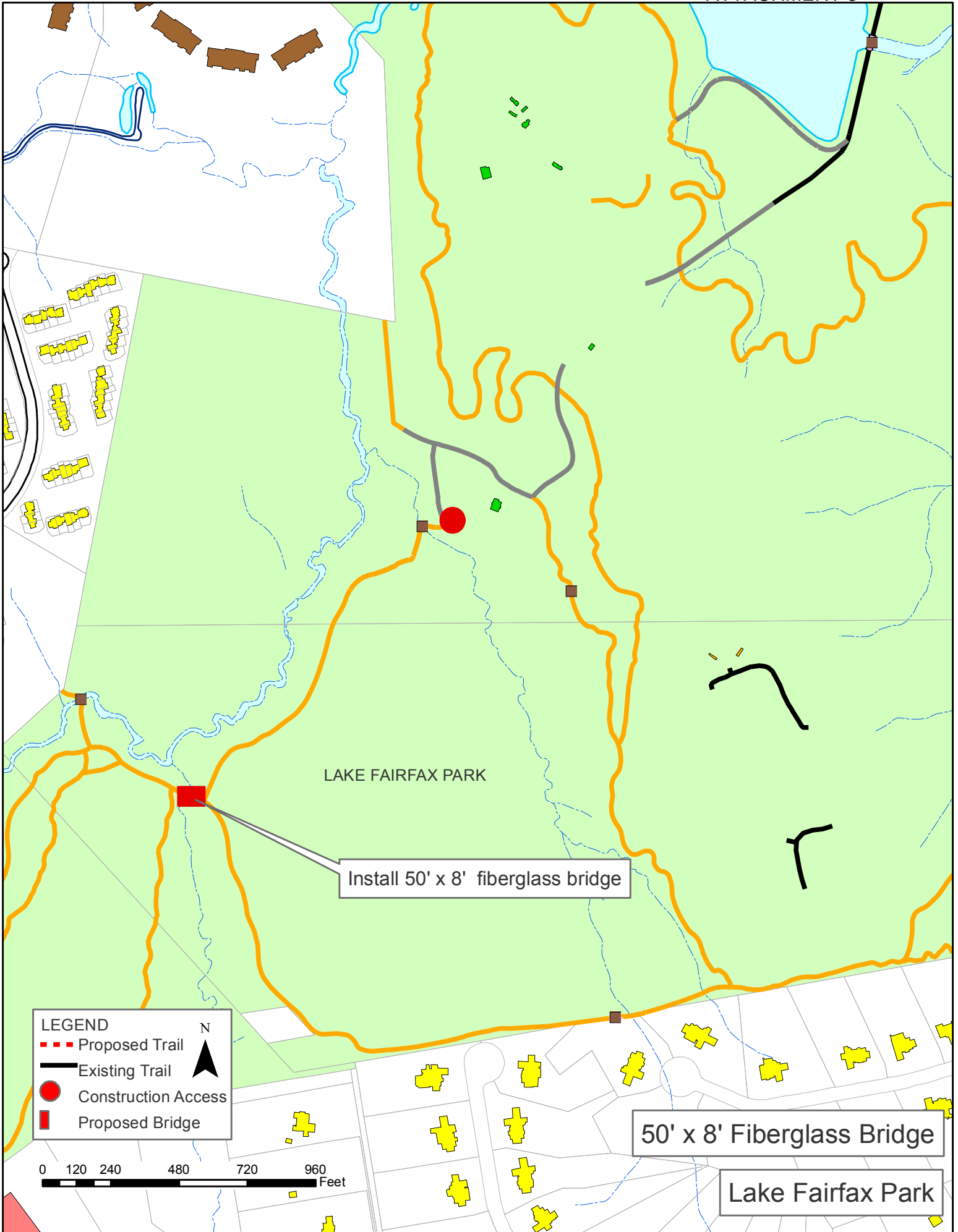


Construct 340 LF of Asphalt Trail between Silentree Dr and Central Ave.

**LEGEND**

- Proposed Trail
- Existing Trail
- Construction Access
- Proposed Bridge

Briarcliff Park Connector Trail



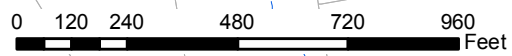
LAKE FAIRFAX PARK

Install 50' x 8' fiberglass bridge

**LEGEND**

- Proposed Trail
- Existing Trail
- Construction Access
- Proposed Bridge

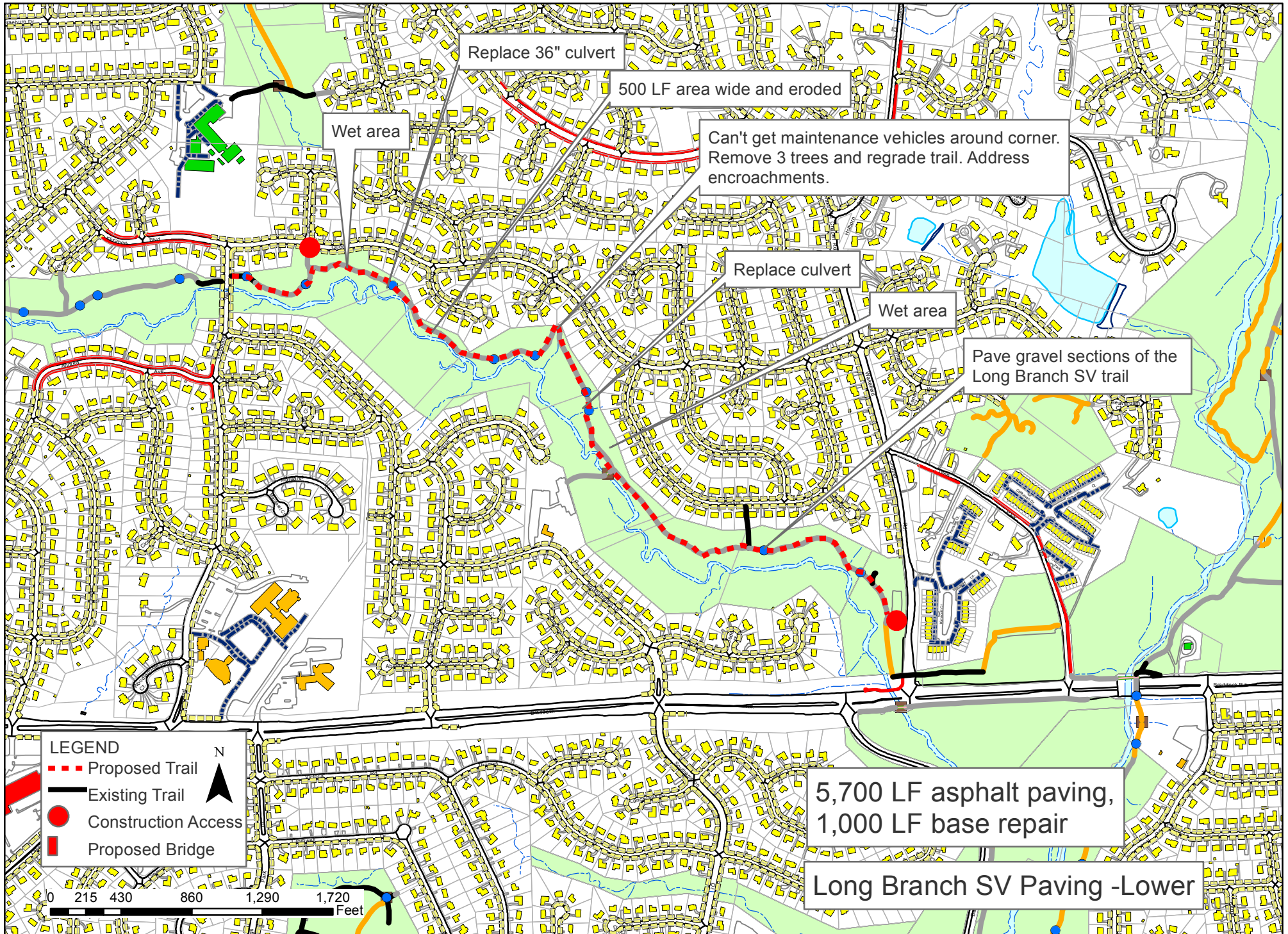
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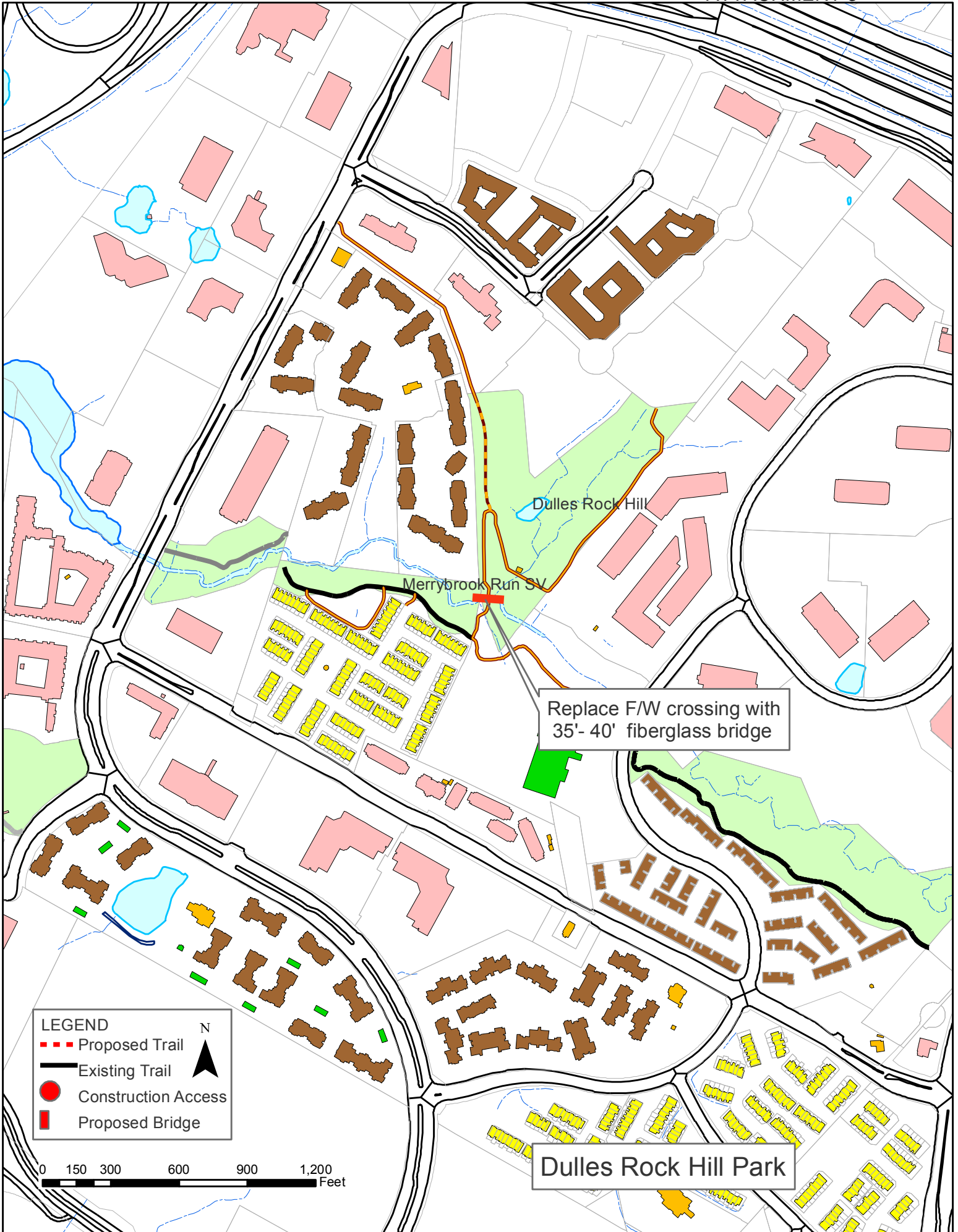
50' x 8' Fiberglass Bridge

Lake Fairfax Park









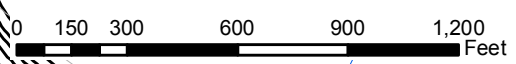
**LEGEND**

- Proposed Trail
- Existing Trail
- Construction Access
- Proposed Bridge

N

Replace F/W crossing with 35'- 40' fiberglass bridge

Dulles Rock Hill Park



ATTACHMENT 3  
Stone Crossing Connector  
Tax map 54-1

1000 LF Asphalt Trail, 2 culverts,  
Needs Community association easements

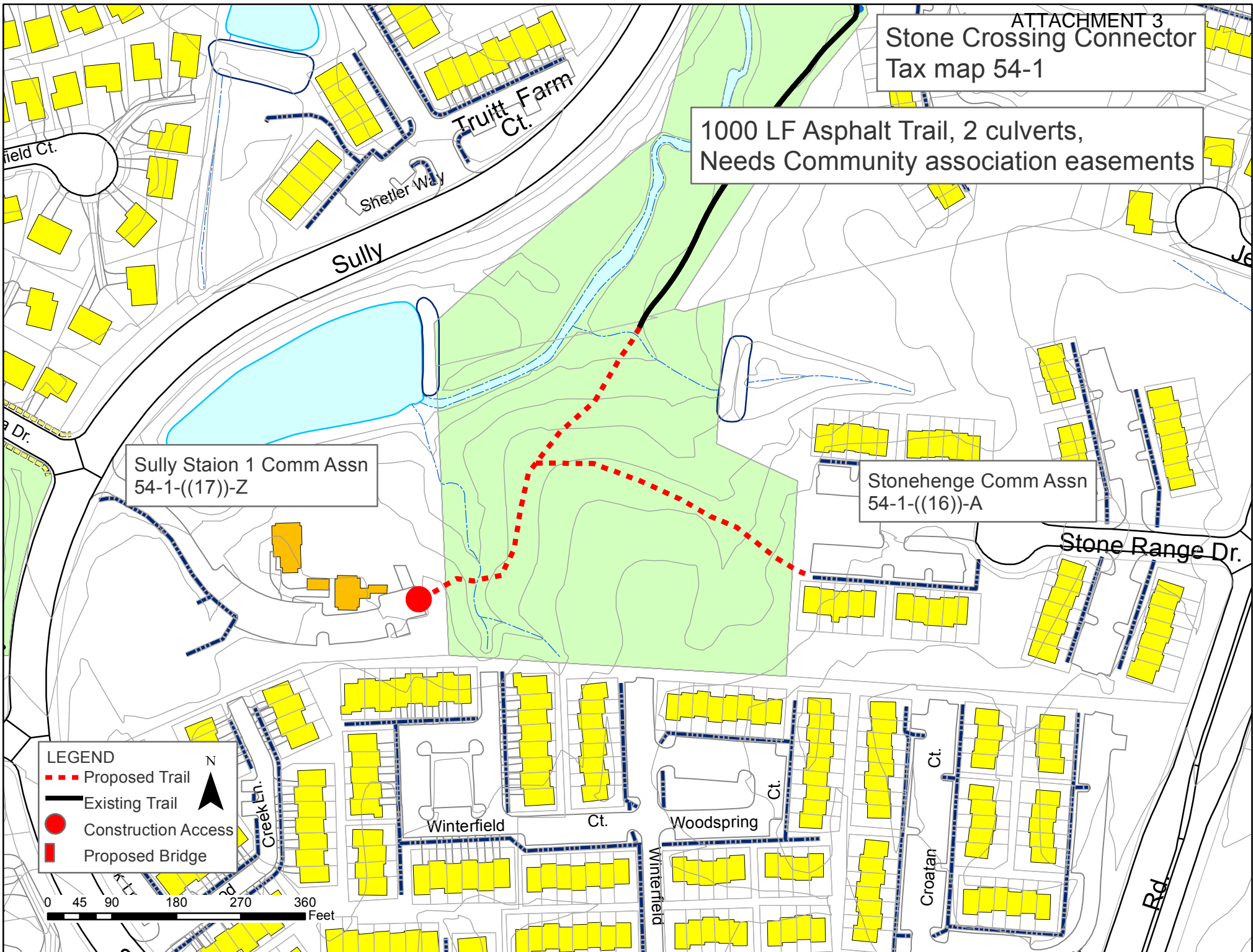
Sully Station 1 Comm Assn  
54-1-((17))-Z

Stonehenge Comm Assn  
54-1-((16))-A

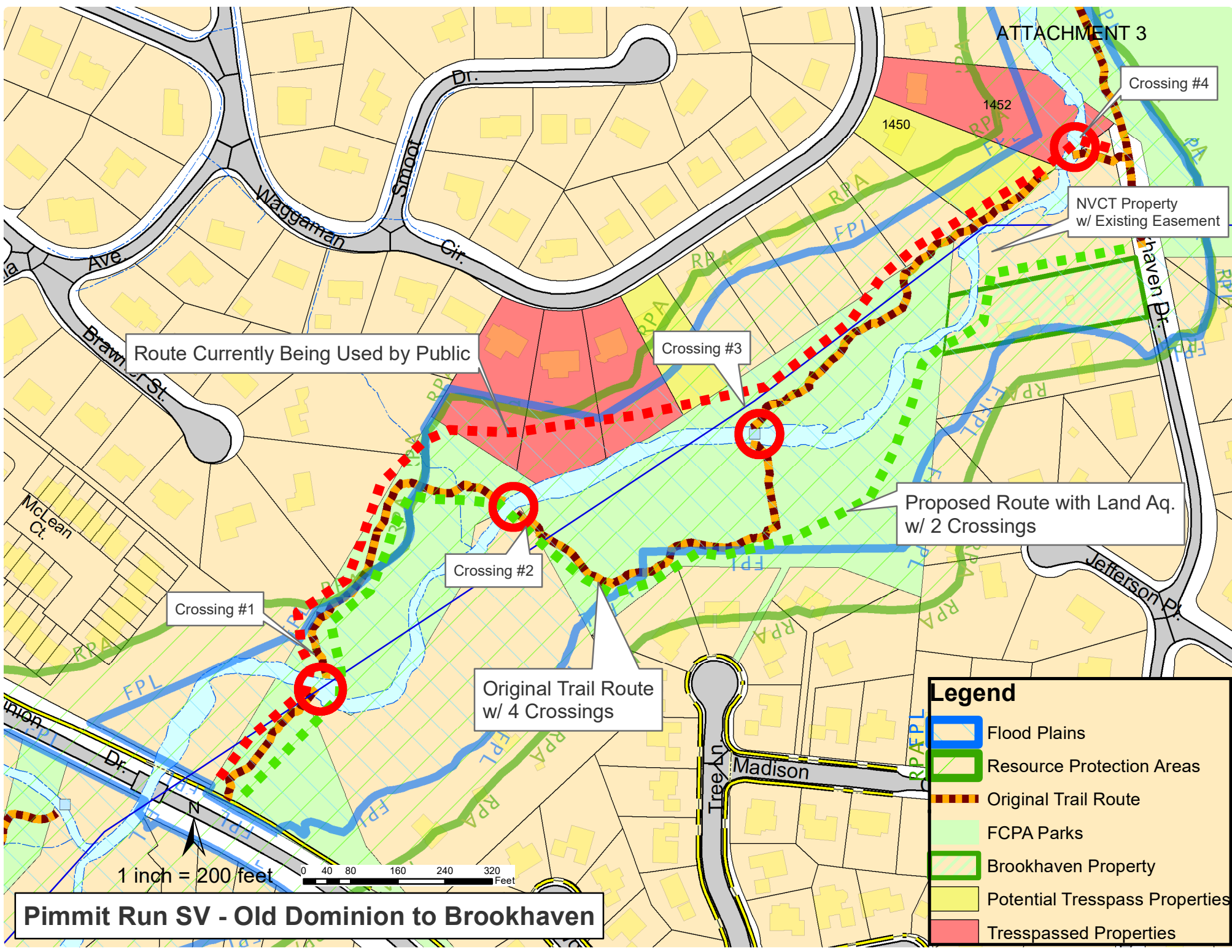
**LEGEND**

- Proposed Trail
- Existing Trail
- Construction Access
- Proposed Bridge

N







Route Currently Being Used by Public

Crossing #3

Crossing #4

NVCT Property w/ Existing Easement








Proposed Route with Land Aq. w/ 2 Crossings

Crossing #2

Crossing #1

Original Trail Route w/ 4 Crossings

**Legend**

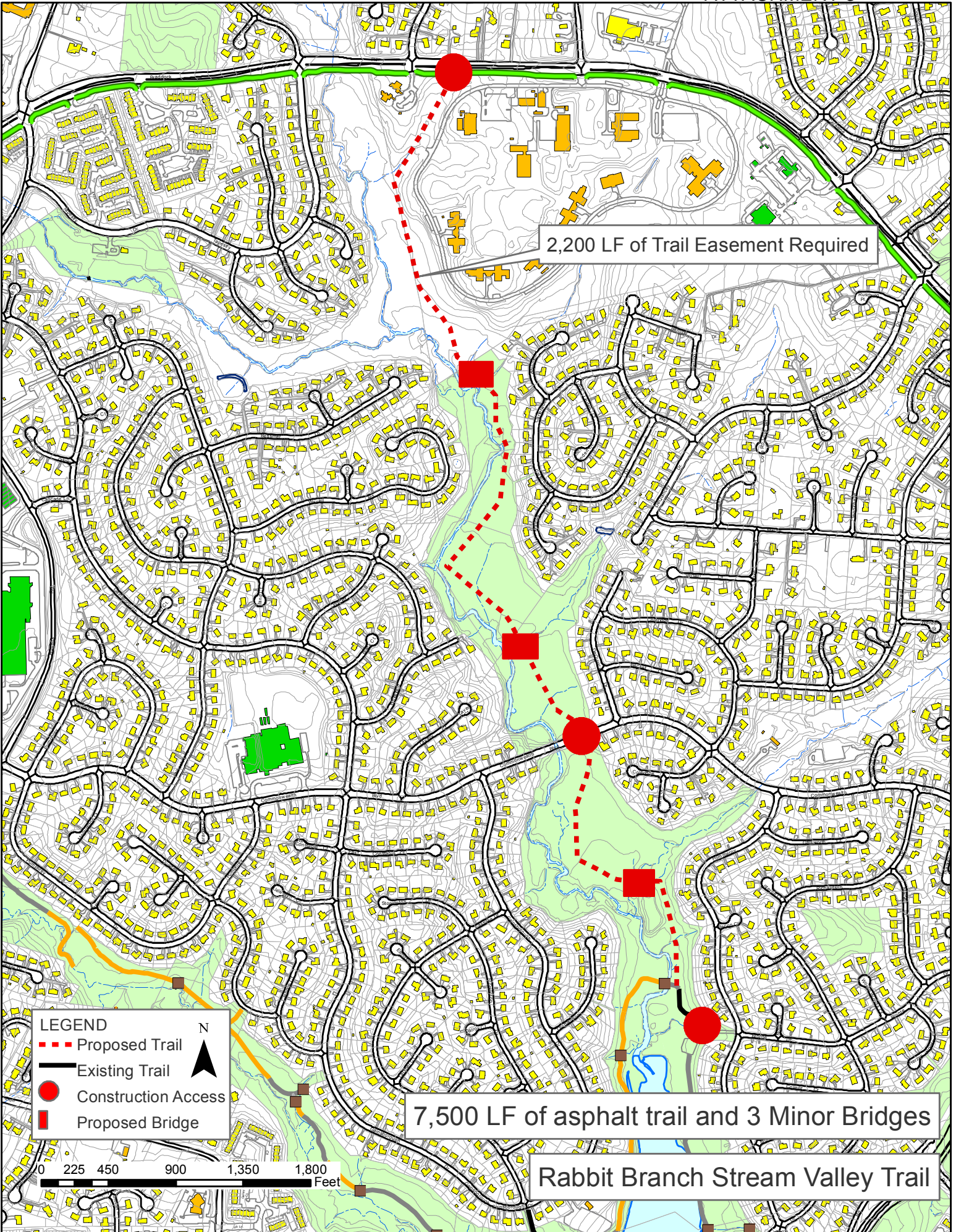
-  Flood Plains
-  Resource Protection Areas
-  Original Trail Route
-  FCPA Parks
-  Brookhaven Property
-  Potential Trespass Properties
-  Tresspassed Properties

1 inch = 200 feet



**Pimmit Run SV - Old Dominion to Brookhaven**





2,200 LF of Trail Easement Required

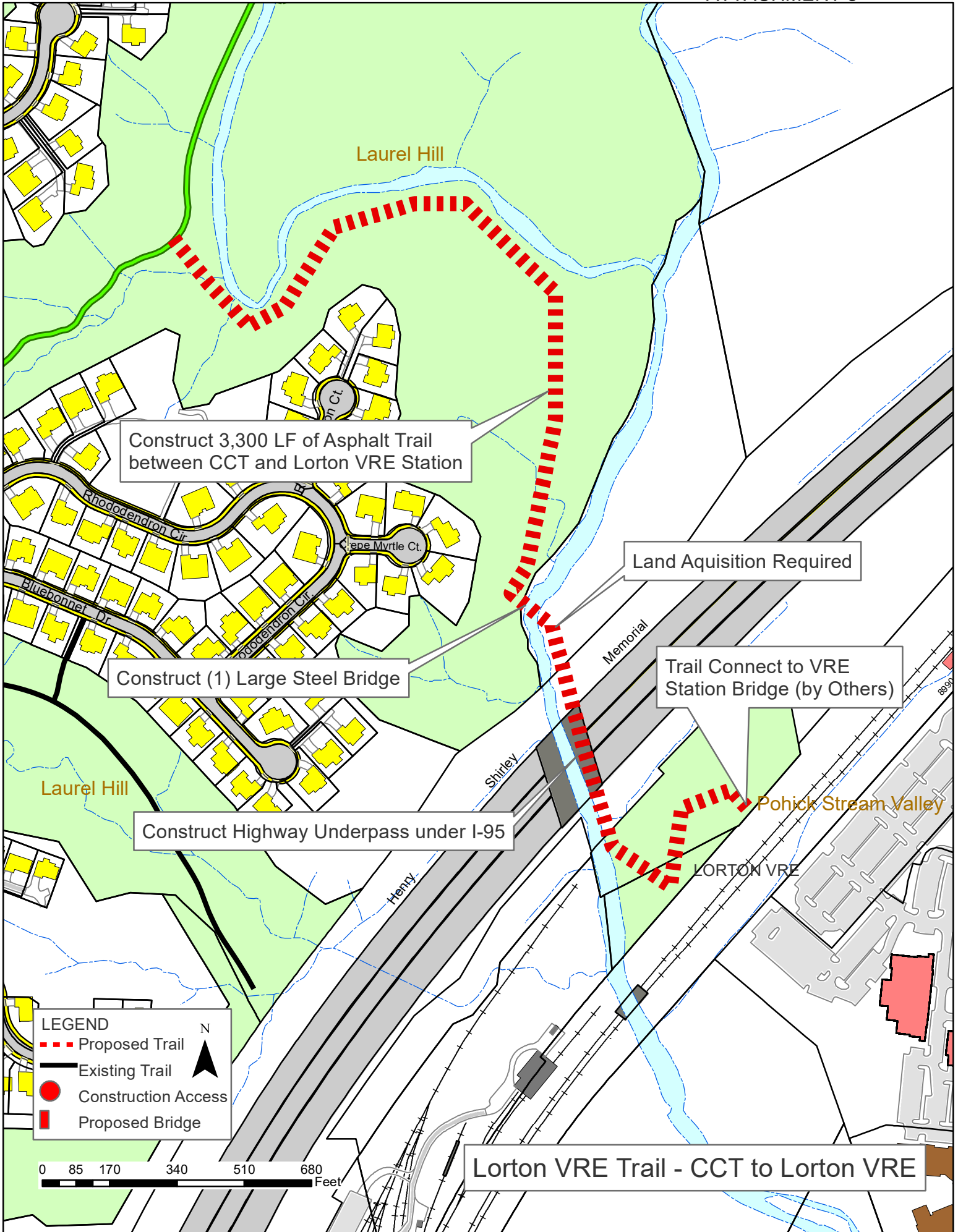
7,500 LF of asphalt trail and 3 Minor Bridges

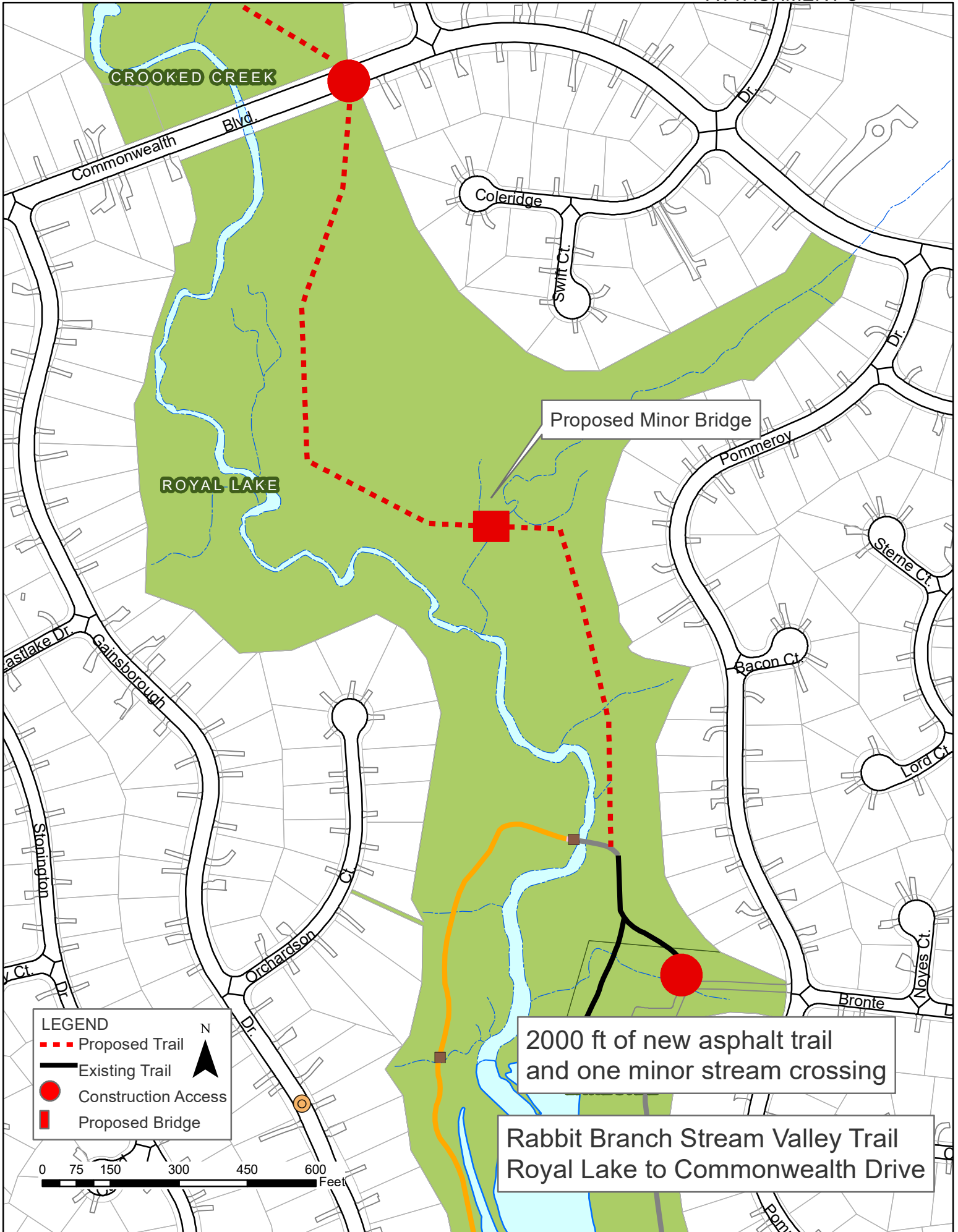
Rabbit Branch Stream Valley Trail

- LEGEND**
- Proposed Trail
  - Existing Trail
  - Construction Access
  - Proposed Bridge

0 225 450 900 1,350 1,800 Feet







CROOKED CREEK

ROYAL LAKE

Proposed Minor Bridge

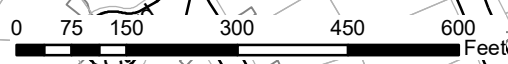
2000 ft of new asphalt trail  
and one minor stream crossing

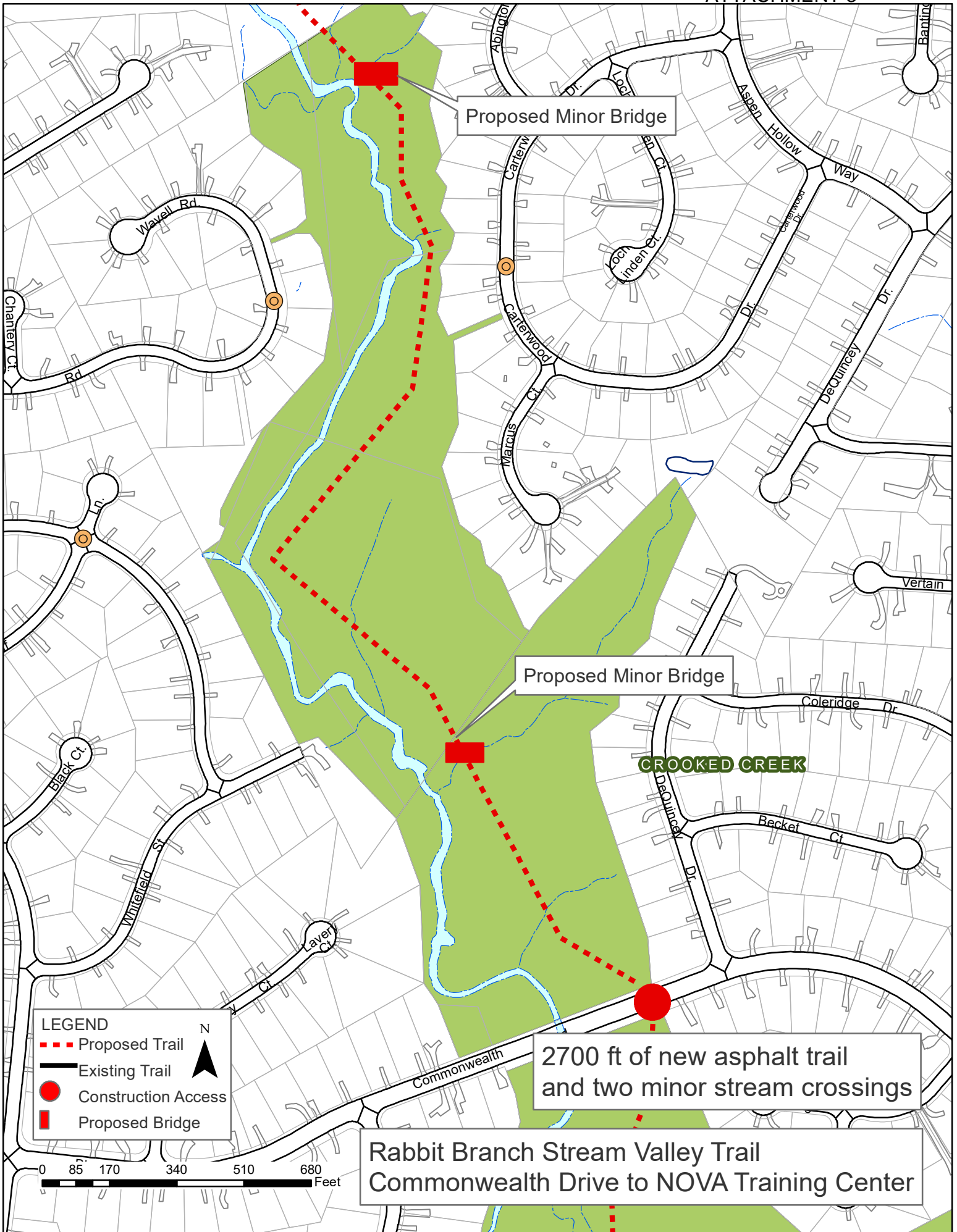
Rabbit Branch Stream Valley Trail  
Royal Lake to Commonwealth Drive

**LEGEND**

- Proposed Trail
- Existing Trail
- Construction Access
- Proposed Bridge

N





Proposed Minor Bridge

Proposed Minor Bridge

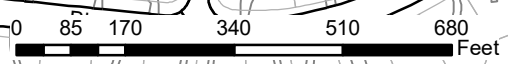
CROOKED CREEK

2700 ft of new asphalt trail and two minor stream crossings

Rabbit Branch Stream Valley Trail  
Commonwealth Drive to NOVA Training Center

**LEGEND**

- Proposed Trail
- Existing Trail
- Construction Access
- Proposed Bridge







ROLLING WOODS ESTATES

Replace Existing Steel Bridge

LAKESIDE

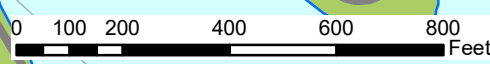
ROYAL LAKE

Replace Steel Bridge

Rabbit Branch Bridge Replacement

**LEGEND**

- Proposed Trail
- Existing Trail
- Construction Access
- Proposed Bridge





Woodson HS

Olde Creek ES

Long Branch SV North of Olley

Somerset Connector

1000 LF New Trail

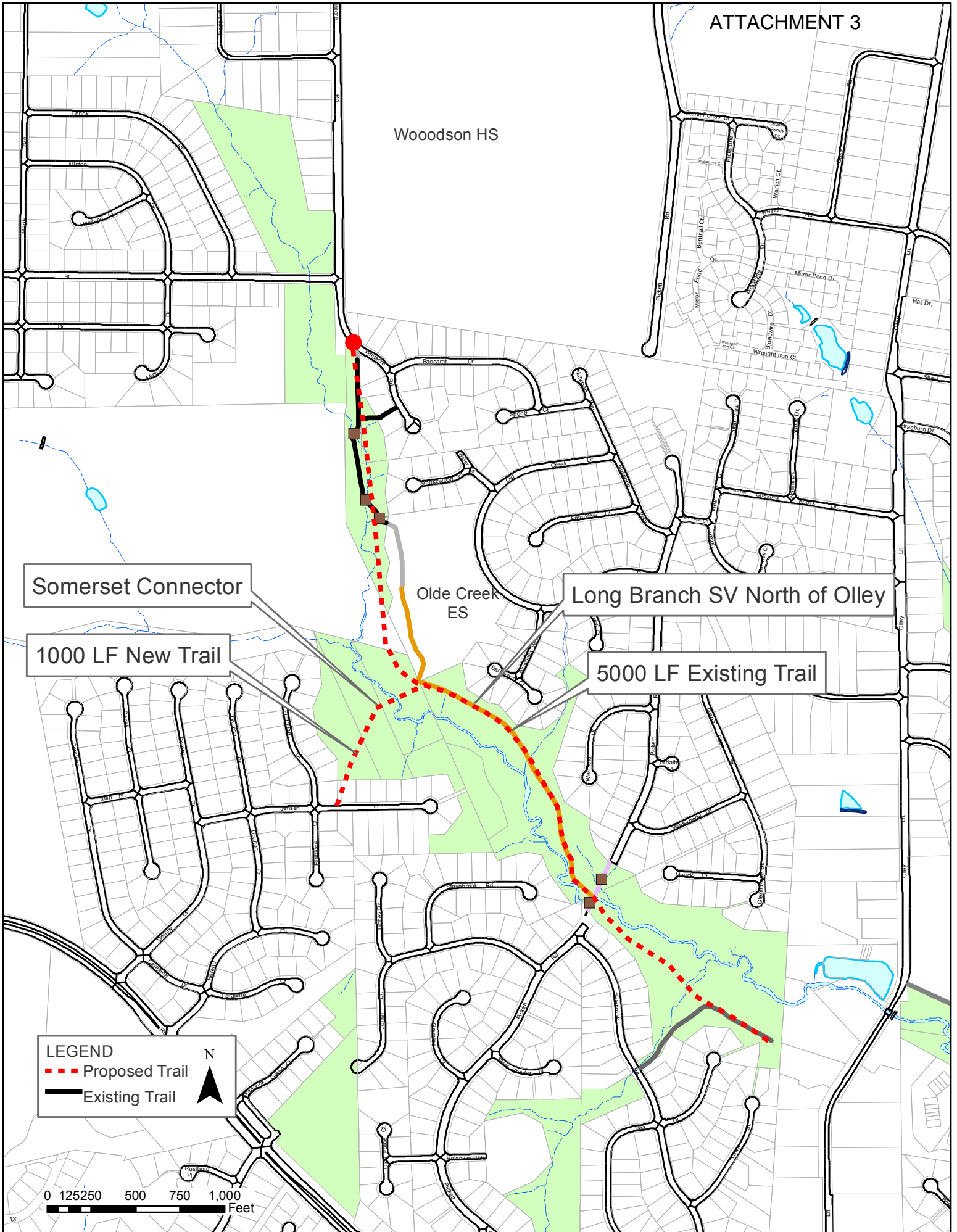
5000 LF Existing Trail

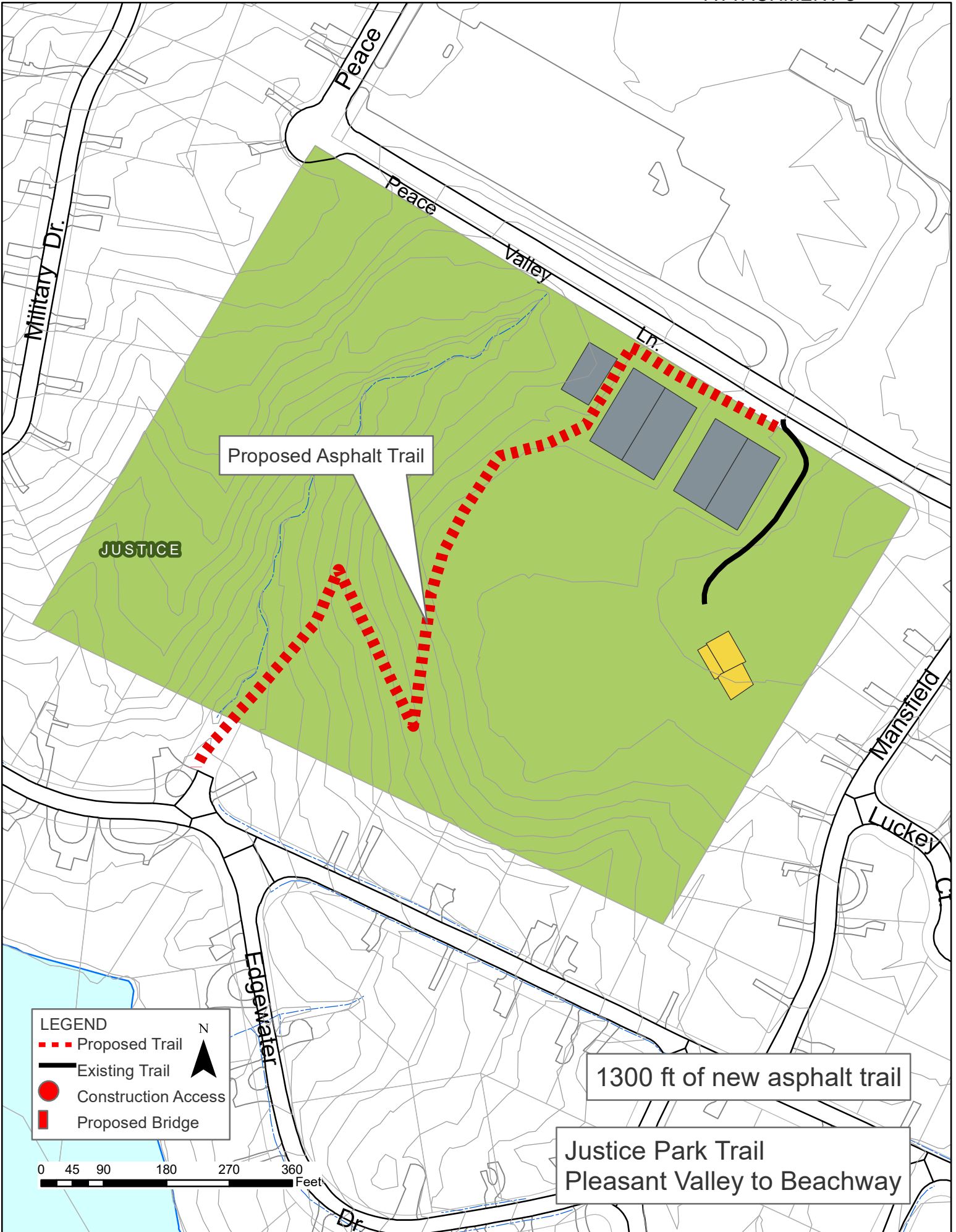
LEGEND

- Proposed Trail
- Existing Trail



0 125 250 500 750 1,000 Feet





Proposed Asphalt Trail

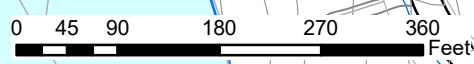
JUSTICE

**LEGEND**

- Proposed Trail
- Existing Trail
- Construction Access
- Proposed Bridge

1300 ft of new asphalt trail

Justice Park Trail  
Pleasant Valley to Beachway







Improve 4,200 LF of natural surface and stonedust trail

ROYAL LAKE

Pave 4,200 ft of trail

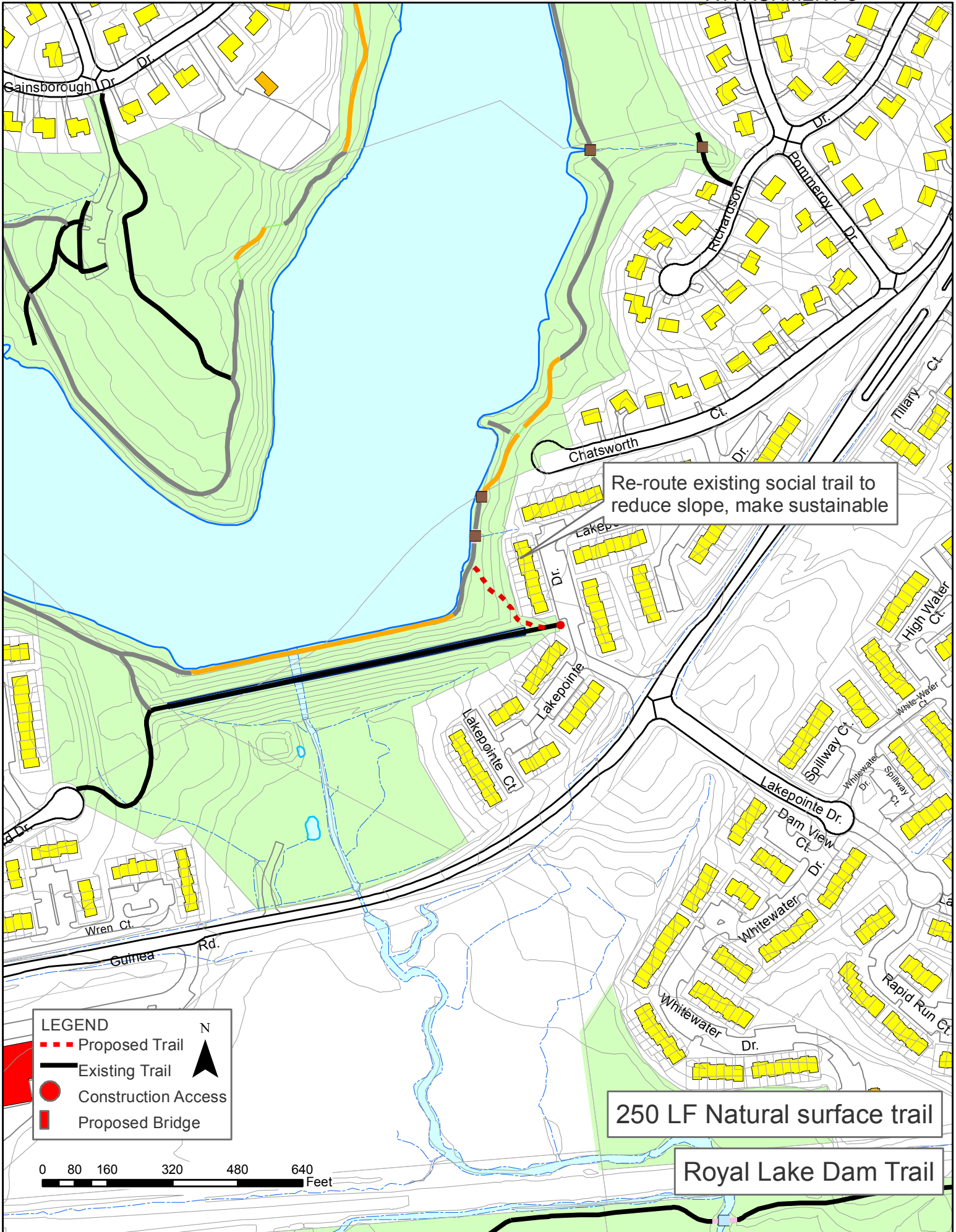
Royal Lake Loop to Roberts Road

**LEGEND**

- Proposed Trail
- Existing Trail
- Construction Access
- Proposed Bridge

N

0 140 280 560 840 1,120 Feet



Re-route existing social trail to reduce slope, make sustainable

250 LF Natural surface trail

Royal Lake Dam Trail

**LEGEND**

- Proposed Trail
- Existing Trail
- Construction Access
- Proposed Bridge

