



FAIRFAX COUNTY PARK AUTHORITY



M E M O R A N D U M

TO: Chairman and Members
Park Authority Board

VIA: Kirk W. Kincannon, Executive Director

FROM: David Bowden, Director
Planning and Development Division

DATE: September 7, 2017

Agenda

**Planning and Development Committee
Wednesday, September 13, 2017 – 5:15 p.m.**

Boardroom – Herrity Building

Chairman: Ken Quincy

Vice Chair: Michael Thompson

Members: Linwood Gorham, Ronald Kendall, Walter Alcorn

1. Scope Approval – Clemyjontri Park Picnic Shelter – Action*
2. Scope Approval – Playground Replacement and Related Work at Bucknell Manor – Action*
3. Allocation of 2016 Bond Funding for Trail Projects – Discussion*
4. Approval – Ellanor. C. Lawrence Park Master Plan Revision – Action*
5. Draft Turner Farm Park Master Plan Revision for Public Comment – Information*
6. Update on Infrastructure Projects Affecting Parkland Countywide – Information (with presentation)*
7. Quarterly Project Status Report – Information*
8. Monthly Contract Activity Report - Information*

*Enclosures



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Board Agenda Item
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ACTION

Scope Approval – Clemyjontri Park Shade Structure (Dranesville District)

ISSUE:

Approval of the project scope to design, permit, and construct a shade structure at Clemyjontri Park.

RECOMMENDATION:

The Park Authority Executive Director recommends approval of the project scope to design, permit, and construct a shade structure at Clemyjontri Park.

TIMING:

Board action is requested on September 27, 2017, to maintain the project schedule.

BACKGROUND:

The McLean Community Foundation (MCF) and Rotary Club of McLean (RCM) are partnering with the Park Foundation to fund the development of a shade structure picnic area at Clemyjontri Park. The improvement will be located along the southern edge of the accessible play area and will provide additional shade for users of the facility as well as revenue generating opportunities for staff through birthday parties and other rentals (Attachment 1).

A project team that included representatives from the Park Services, Park Operations, and Planning and Development Divisions along with the Park Foundation was assembled to determine the project scope. The project team recommends the following scope of work:

- Design, permit, and prepare construction documents for the project.
- Construct a 20'x20' rentable shade structure that will accommodate three to four picnic tables
- Construct supporting infrastructure to include a concrete pad, retaining sitting wall, and landscaping.

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The cost estimate to design, permit and construct the shade structure and supporting infrastructure is \$80,000 (Attachment 2). The Park Authority Board approved a Mastenbrook Grant in June 2017 with MCF and RCM in the amount \$16,845 to match their combined contribution of \$16,845. Collected donations by the Park Foundation in the amount of \$46,310 will provide the funds sufficient to complete the project.

The proposed timeline for completing the project is as follows:

<u>Phase</u>	<u>Start</u>	<u>Complete</u>
Design & Permitting	Third Quarter CY 2017	First Quarter CY 2018
Construction	Second Quarter CY 2018	Third Quarter CY 2018

Staff estimates the addition of the picnic shelter will result in additional annual revenue of \$11,600. Staff estimates an increase in annual maintenance costs in the amount of \$3,332 with a lifecycle cost of \$6,000 for renovation of the steel structure in year 20, and a lifecycle cost of \$7,500 for replacement of the roof in year 30.

FISCAL IMPACT:

Based on the cost estimate, funding in the amount of \$80,000 is necessary to fund this project. Funding is currently available in the amount of \$52,810 in WBS PR-000064-001, Clemyjontri Park Picnic Shelter in Fund 300-C80300, Park Improvement Fund, and in the amount of \$27,190 in Fund 80-C80000, Revenue Fund.

ENCLOSED DOCUMENTS:

Attachment 1: Proposed Shade Structure Location
Attachment 2: Scope Cost Estimate

STAFF:

Kirk W. Kincannon, Executive Director
Sara Baldwin, Deputy Director/COO
Aimee L. Vosper, Deputy Director/CBD
David Bowden, Director, Planning & Development Division
Barbara Nugent, Director, Park Services Division
Cindy Walsh, Director, Resource Management Division
Todd Brown, Director, Park Operations Division
Gary Logue, ADA Coordinator
Paul Shirey, Manager, Project Management Branch
Andrew Miller, Project Coordinator, Project Management Branch

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Heather Lynch, Project Manager, Project Management Branch
Janet Burns, Fiscal Administrator
Michael Baird, Manager, Capital and Fiscal Services



CLEMIJONTRI PARK – PROPOSED SHADE STRUCTURE SITE

SCOPE COST ESTIMATE

**Clemyjontri Park
Shade Structure \ Picnic Area**

Professional Services				\$	5,000
Permitting				\$	1,100
Construction -					
Demolition & Erosion Control Fencing			\$	17,825	
Picnic Shade & Installation			\$	10,250	
Retaining\Sitting Wall, Picnic Slab and Walk			\$	24,975	
Misc. Items - Donor Pedestal, Cleanup			\$	<u>5,350</u>	
Subtotal Construction				\$	58,400
Inspection				\$	3,000
Surveying/Engineering	\$	Contingency (10%)	\$	8,000	
Administration				\$	<u>4,500</u>
Total Project Estimate				\$	80,000

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ACTION

Scope Approval – Playground Replacement and Related Work at Bucknell Manor Park and J.E.B. Stuart Park (Mount Vernon and Mason Districts)

ISSUE:

Approval of the project scopes for design and installation of replacement playground equipment and related work at Bucknell Manor Park and J.E.B. Stuart Park.

RECOMMENDATION:

The Park Authority Director recommends approval of the project scopes for design and installation of replacement playground equipment and related work at Bucknell Manor Park and J.E.B. Stuart Park.

TIMING:

Park Authority Board approval is requested on September 27, 2017, to maintain the project schedules.

BACKGROUND:

The 2016 Park Bond includes a group project to replace playground equipment throughout the county that has exceeded its useful life. Staff identified the replacement of the playground equipment at Bucknell Manor Park and J.E.B. Stuart Park as priorities in the FY 2018 Planning and Development Division Work Plan. Although the equipment at both locations has been repaired or partially upgraded since their original installation in the early 1990s, they have now exceeded their life expectancy and no longer meet current playground safety guidelines.

Project teams were assembled with representatives from Park Operations, Resource Management, Park Services, and Planning and Development Divisions for each project to establish the project scope in accordance with the approved FY 2018 Planning and Development Division Work Plan.

The existing playground at Bucknell Manor Park is located north of the baseball field (Attachment 1). The proposed playground will include separated equipment for age 2-5 years and age 5-12 years. Playground equipment and safety surfacing will be replaced along with adding signage and fencing around the perimeter of the playground

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equipment. As part of the upgrading, the existing asphalt trail from the parking lot and off the pedestrian sidewalk will be resurfaced to ADA standards.

The existing playground at J.E.B. Stuart Park is located at the far east side of the park near the baseball field (Attachment 2). Playground equipment and safety surfacing will be replaced along with supplementary facilities including benches, trashcans, and signs. As part of upgrading to provide ADA access, a new 60-ft trail spur with ADA ramps will be created, and the existing trail will be resurfaced.

The scope of work anticipated to replace the playground components at both sites includes:

- Design and layout for the replacement equipment.
- Demolition of the existing equipment and related features.
- Installation of the equipment, safety surface, border, subsurface drainage, and related amenities including fencing.
- Construction of an accessible route to the playground area from nearby parking or pedestrian walkways.

The project scope cost estimate for designing and installing the playground equipment and related work at Bucknell Manor Park is \$100,000 (Attachment 3). The project scope cost estimate for designing and installing the playground equipment and related work at J.E.B Stuart Park is \$150,000 (Attachment 4). The proposed timeline for completing these projects is as follows:

Planned Completion

Scope	3rd Quarter CY 2017
Design	4th Quarter CY 2017
Construction	1st Quarter CY 2018

Staff anticipates that the playground equipment and related components will be designed and installed using the county's U.S. Communities Contract entitled "Playground Equipment, Surfacing, Site Furnishings, and Related Products and Services" that was established through an open-bid process.

Staff estimates the replacement of the playground equipment at Bucknell Manor Park and J.E.B Stuart Park will result in no additional annual revenue. Staff estimates a slight decrease in annual maintenance costs, with a lifecycle cost of \$100,000 for replacement of playground equipment at Bucknell Manor Park in year 20, and a lifecycle cost of \$150,000 for replacement of playground equipment at J.E.B. Stuart Park in year 20.

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FISCAL IMPACT:

Based on the scope cost estimate, funding in the amount of \$100,000 is necessary to fund the Bucknell Manor Park Playground Replacement project. Funding is available in the amount of \$100,000 in PR-000078-006, Existing Facility/Renovations, Bucknell Manor Park Playground, in Fund 300-30400, Park Authority Bond Construction, to fund this project.

Based on the scope cost estimate, funding in the amount of \$150,000 is necessary to fund the J.E.B. Stuart Park Playground Replacement project. Funding is available in the amount of \$150,000 in PR-000078-005, Existing Facility/Renovations, J.E.B. Stuart Park Playground, in Fund 300-30400, Park Authority Bond Construction, to fund this project.

ENCLOSED DOCUMENTS:

- Attachment 1: Playground Location – Bucknell Manor Park
- Attachment 2: Playground Location – J.E.B. Stuart Park
- Attachment 3: Scope Cost Estimate – Bucknell Manor Park
- Attachment 4: Scope Cost Estimate – J.E.B. Stuart Park

STAFF:

Kirk W. Kincannon, Director
Aimee L. Vosper, Deputy Director/CBD
Sara Baldwin, Deputy Director/COO
Todd Johnson, Director, Park Operations Division
David Bowden, Director, Planning and Development Division
Paul Shirey, Director, Project Management Branch
Andy Miller, Manager, Building Branch
Diana Imlay, Project Manager, Project Management Branch
Valerie Maislin, Project Manager, Project Management Branch
Janet Burns, Fiscal Administrator
Michael Baird, Manager, Capital and Fiscal Services

Bucknell Manor Park

BUCKNELL MANOR PARK



J.E.B. Stuart Park Playground Location

J.E.B. Stuart Park



Scope Cost Estimate

Bucknell Manor Park Playground Replacement

Construction	\$ 84,000
<ul style="list-style-type: none">• Subsurface Drainage• Playground Equipment• Borders• Engineered Wood Fiber Safety Surfacing (EWF)• Existing Pathway ADA Improvements	
Construction Contingency (10%)	\$ 8,400
Administration (8%)	<u>\$ 7,600</u>
Total Project Estimate	\$100,000

SCOPE COST ESTIMATE

J.E.B. Stuart Park Playground Replacement

Scope & Design

- Playground Survey

\$ 6,000

Construction

- Playground Equipment
- Engineered Wood Fiber Safety Surfacing
- Subsurface Drainage
- Borders
- ADA Trail Access

Construction Subtotal

\$121,000

Construction Contingency (10%)

\$ 12,700

Administration (8%)

\$ 10,160

Total Project Estimate

\$150,000

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DISCUSSION

Allocation of 2016 Park Bond Funding for Trail Projects

ISSUE:

Review and discussion of trail projects to be funded from the 2016 Park Bond funds designated for trail planning and development.

TIMING:

Board Committee discussion is requested on September 13, 2017, so that priority trail projects funded from the 2016 Park Bond can be initiated in FY 2018. Staff will return this item for board approval in October 2017 with the recommended list of trail projects to be executed with funding from the 2016 Park Bond.

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 and 2012 Bond Funds. Thirty trail projects have been completed to date as prioritized under the TDSP.

On October 23, 2013, staff presented the Park Authority Board with a recommended list of twelve trail projects for funding from the 2012 Park Bond employing the TDSP. Staff updated the PAB in November 2016 on the progress of the twelve trail projects approved for funding from the 2012 Park Bond. Staff advised the Park Authority Board as part of the progress update that staff was in the process of consolidating the remaining 2012 Park Bond trail funding to recommend funding for additional trail projects based on remaining trail funding from the 2012 Park Bond. The status of trail projects funded from the 2012 Park Bond are listed in Attachment 1. Staff has also included three additional projects on the list for development that were previously identified as unfunded in the October 2013 recommendation based on the balance of available trail funding from the 2012 Park Bond.

Funding is available in the 2016 Park Bond in the amount of \$4,600,000 for trail development to continue implementation of the TDSP. Staff has identified an additional

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130 potential trail projects that have not been funded to date. Staff's prioritized list of trail projects recommended for funding from the 2016 Park Bond, based on applying the TDSP criteria to the potential projected, is shown in Attachment 2. The list of projects was derived from the highest scoring projects while taking into consideration an equitable geographic distribution of the projects. A cross-divisional team representing Planning and Development, Park Operations, Park Services, and Resource Management divisions was appointed to further evaluate and refine the projects and create the final prioritized list. Maps of the proposed projects are provided in Attachment 3. Staff will prepare refined project scopes and cost estimates as individual projects are assigned for development based on the recommended list of projects. As the costs are approximate pending final scoping a list of unfunded projects has also been recommended.

Once board feedback is received through the month of September 2017, staff will return to the board in October 2017 with a recommended list of trail projects to be developed with 2016 Park Bond funding for approval.

ENCLOSED DOCUMENTS:

Attachment 1: 2012 Trail Project List
Attachment 2: Draft 2016 Prioritized Trail Project List
Attachment 3: Draft 2016 Trail Project Maps

STAFF:

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Cindy Walsh, Director, Resource Management Division
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Gary Logue, ADA Coordinator
Paul Shirey, Manager, Project Management Branch, Planning & Development Division
Mohamed Kadasi, Branch Manager, Planning & Development Division
Elizabeth Cronauer, Trail Program Manager, Planning & Development Division

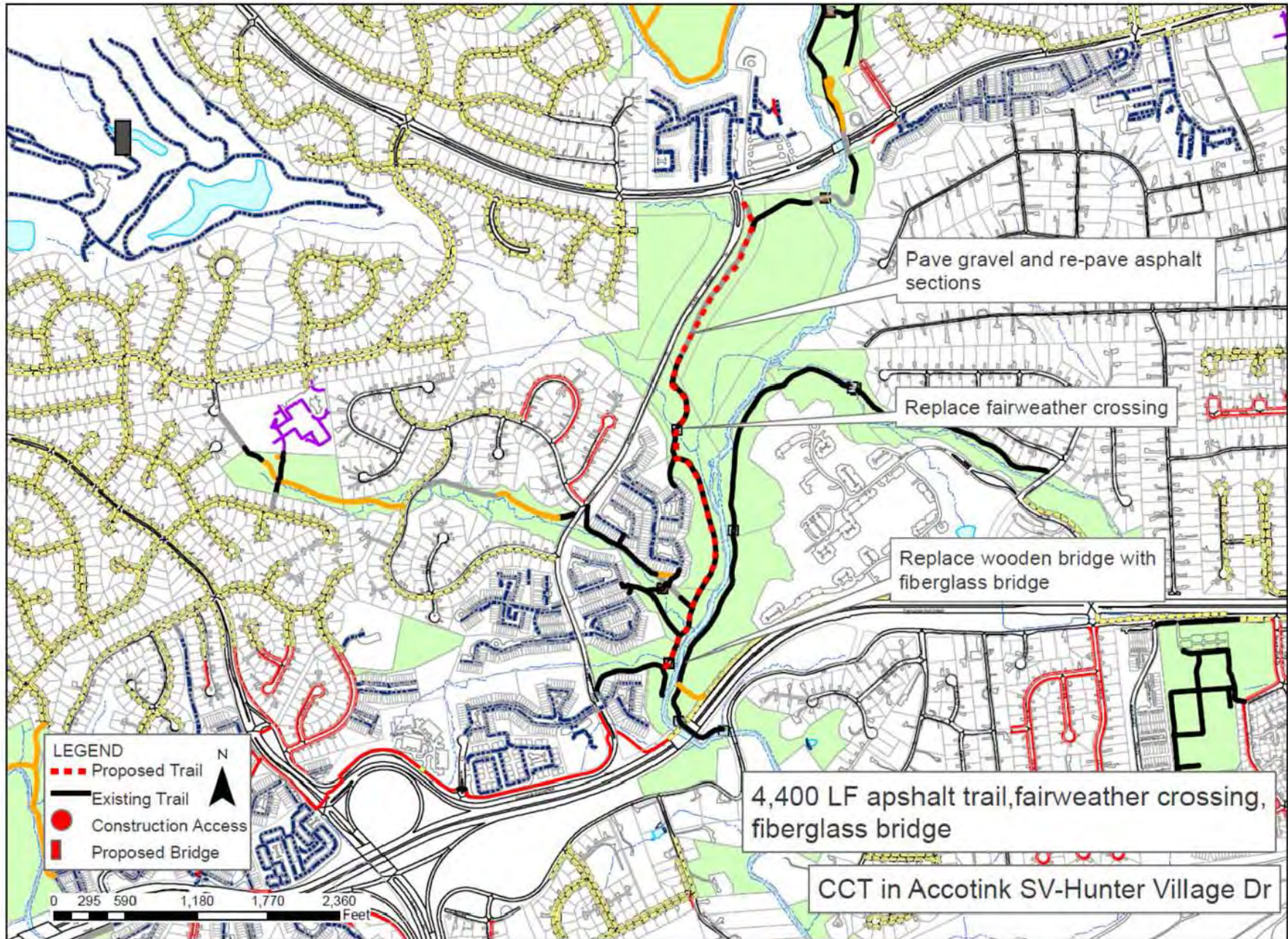
	Project name	Park	District	Linear Feet	Surface Type	Original Budget	Status	Actual Cost/Budget to 2012 Bond	Other	Comments
2012 Bond Funds for Trails										
1	Ashgrove Lane Trail Improvements	Ashgrove Historic Site	HM	375	asphalt	\$118,000	Completed	\$117,738		
2	CCT in Lake Accotink Park	Lake Accotink	B	5,550	asphalt	\$378,000	Completed	\$0	\$378,000	Funded w/ 2006 and 2008 funds
3	Towers Park Metro Connection	Towers	P	500	asphalt	\$202,000	Completed	\$0	\$202,000	Funded w/ Transportation C&I Funds
4	ECL Cabells Mill Trail Connection	E C Lawrence	Su	5,100	asphalt	\$598,000	Completed	\$172,800		Project Scope limited by I-66 expansion
5	Lake Accotink Danbury Forest Dr Connector	Lake Accotink	B	225	asphalt	\$104,000	Completed	\$104,000		
6	Sugarland Run SV Trail Improvements	Sugarland Run SV	D	400	asphalt	\$77,000	Completed	\$15,614	\$61,386	Partially funded w/ 2006 and 2008
7	Woodlawn Park Bridge Replacement	Woodlawn	MV	40	stonedust	\$64,000	Completed	\$60,936		
8	CCT at Woodburn Rd	Accotink SV	M	400	asphalt	\$138,000	Dropped	\$0		
9	Lee District Park-Chessie's Trail - Phase 1&2	Lee District	L	1,100	asphalt	\$210,000	In-progress	\$387,590		
10	Burke Lake Dam Trail Improvements	Burke Lake	S	250	concrete	\$93,000	Dropped	\$0		
11	Pohick SV Liberty Bell Ct to Burke Station- Design	Pohick SV	S	2,500	asphalt	\$125,000	In-progress	\$125,000		
12	Stream Valley Trail Signs	Major Stream Valleys	C/W			\$93,000	In-progress	\$0	\$93,000	Funded w/ 2006 and 2008 funds
13	Flatlick SV Trail	Flatlick SV	Su	1,400	asphalt		Completed	\$44,173		Made possible by SWM project
14	Frog Branch SV Trail Improvements	Frog Branch SV	Su	300	asphalt		In-progress	\$120,000		From 2012 Unfunded list
15	Pohick SV Liberty Bell Ct to Burke Station - Construct	Pohick SV	S	2,500	asphalt		Ready to start	\$836,900		From 2012 Unfunded list
16	Long Branch SV Paving Upper - Design	Long Branch SV	B		asphalt		Ready to start	\$200,000		From 2012 Unfunded list
TOTAL				20,640		\$2,200,000		\$2,184,751		

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

2016 Bond Funds for Trails - unfunded								
1	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





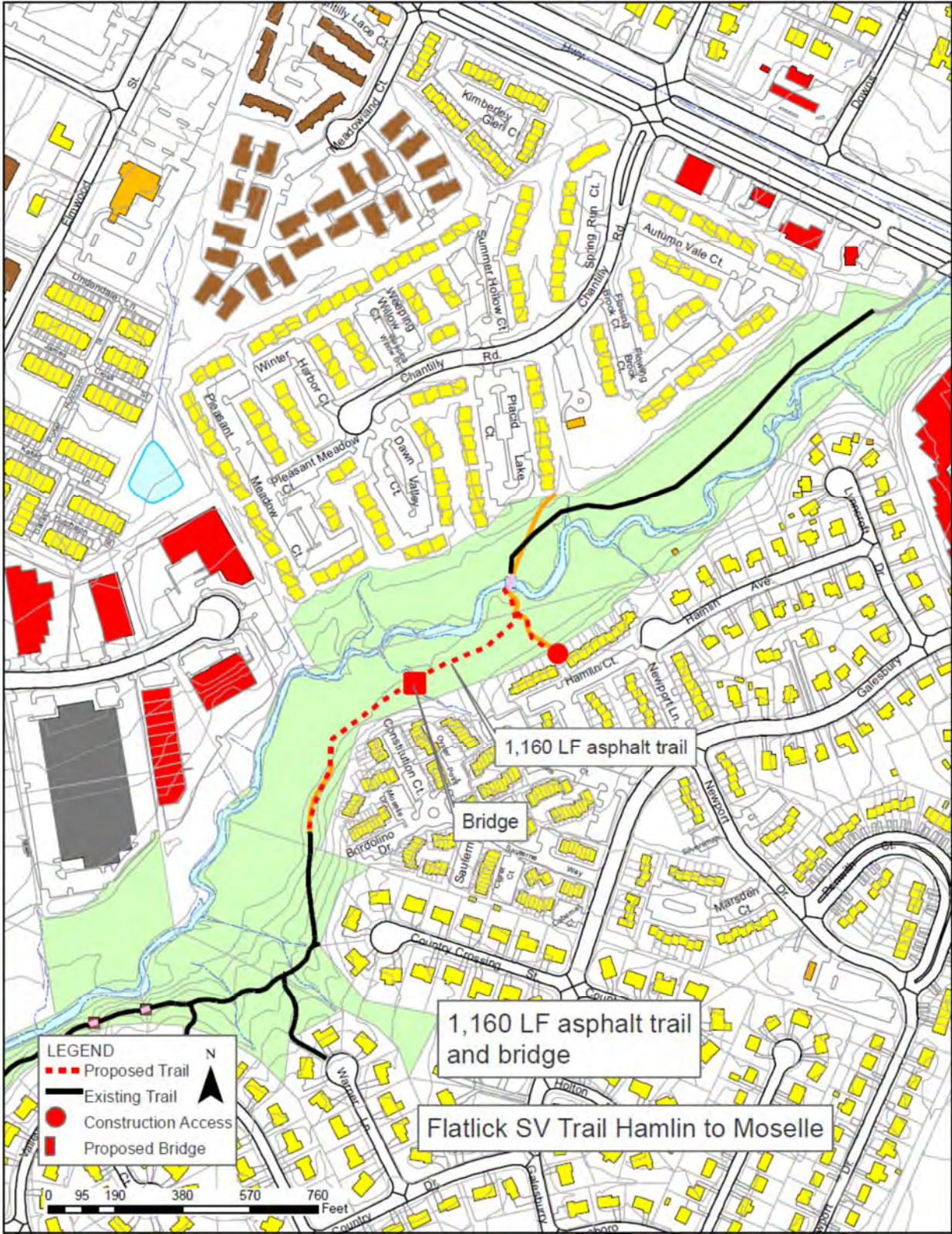
Proposed upgrade to existing trail and outfall crossing

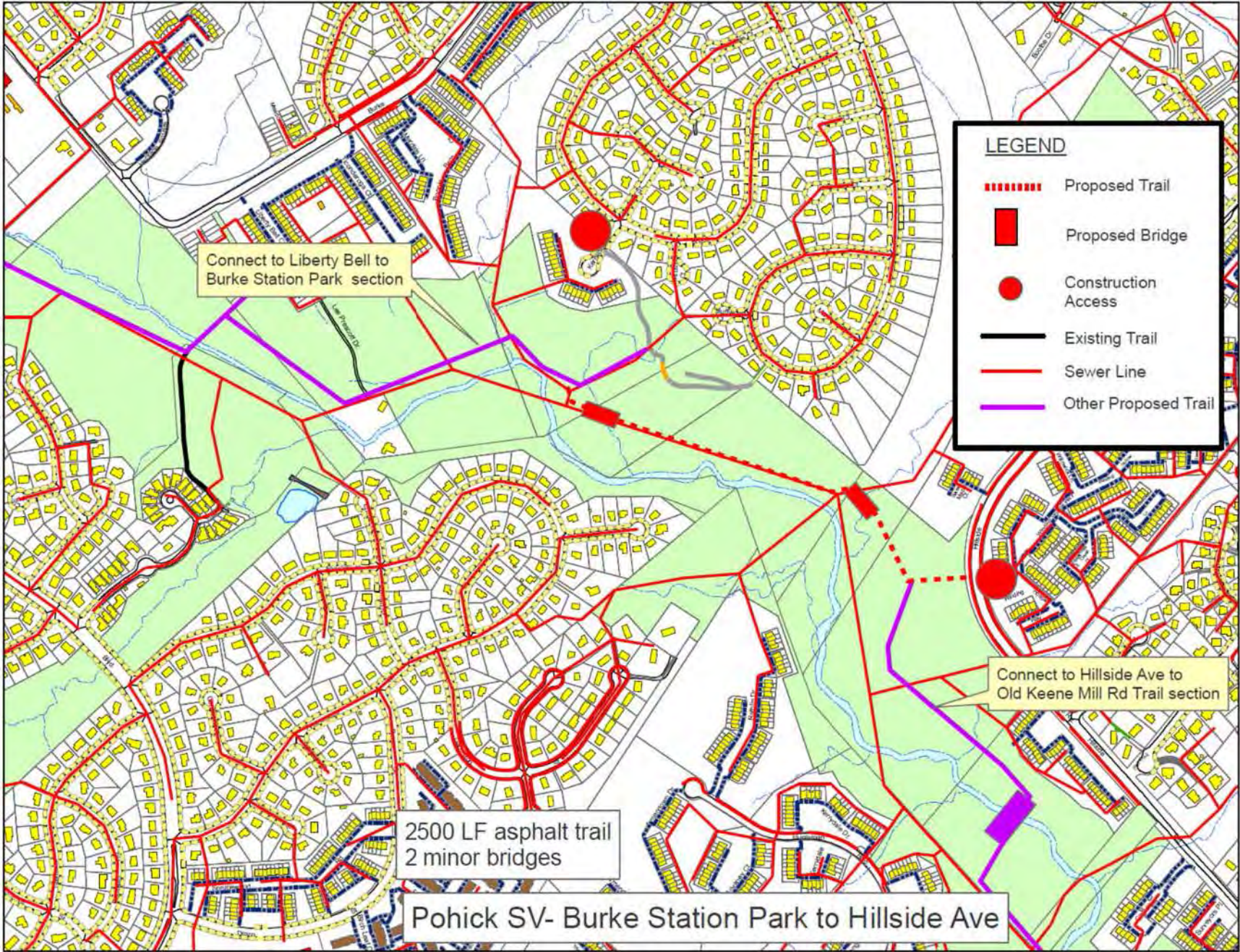
LEGEND

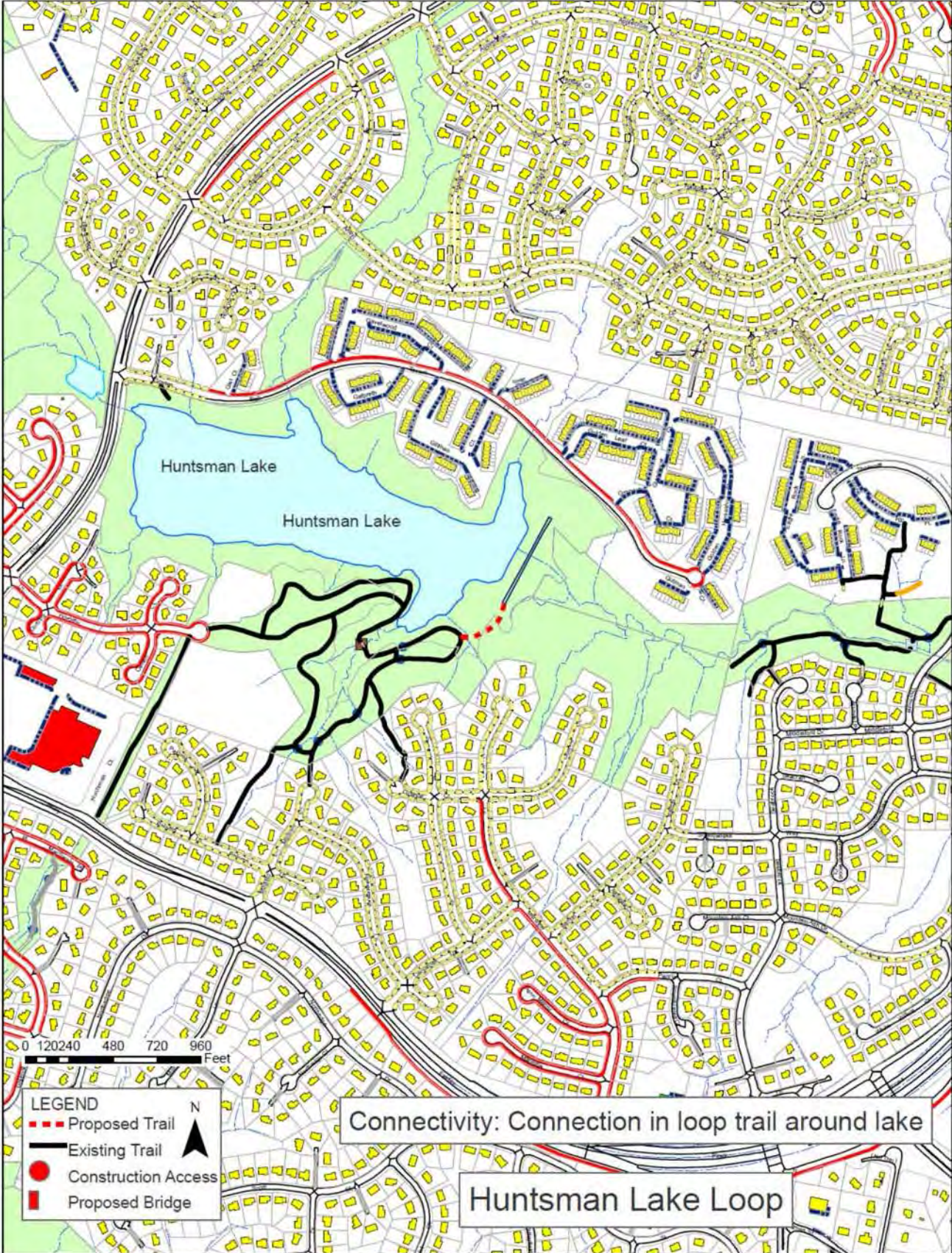
- Proposed Trail
- Proposed Bridge
- Construction Access
- Existing Trail

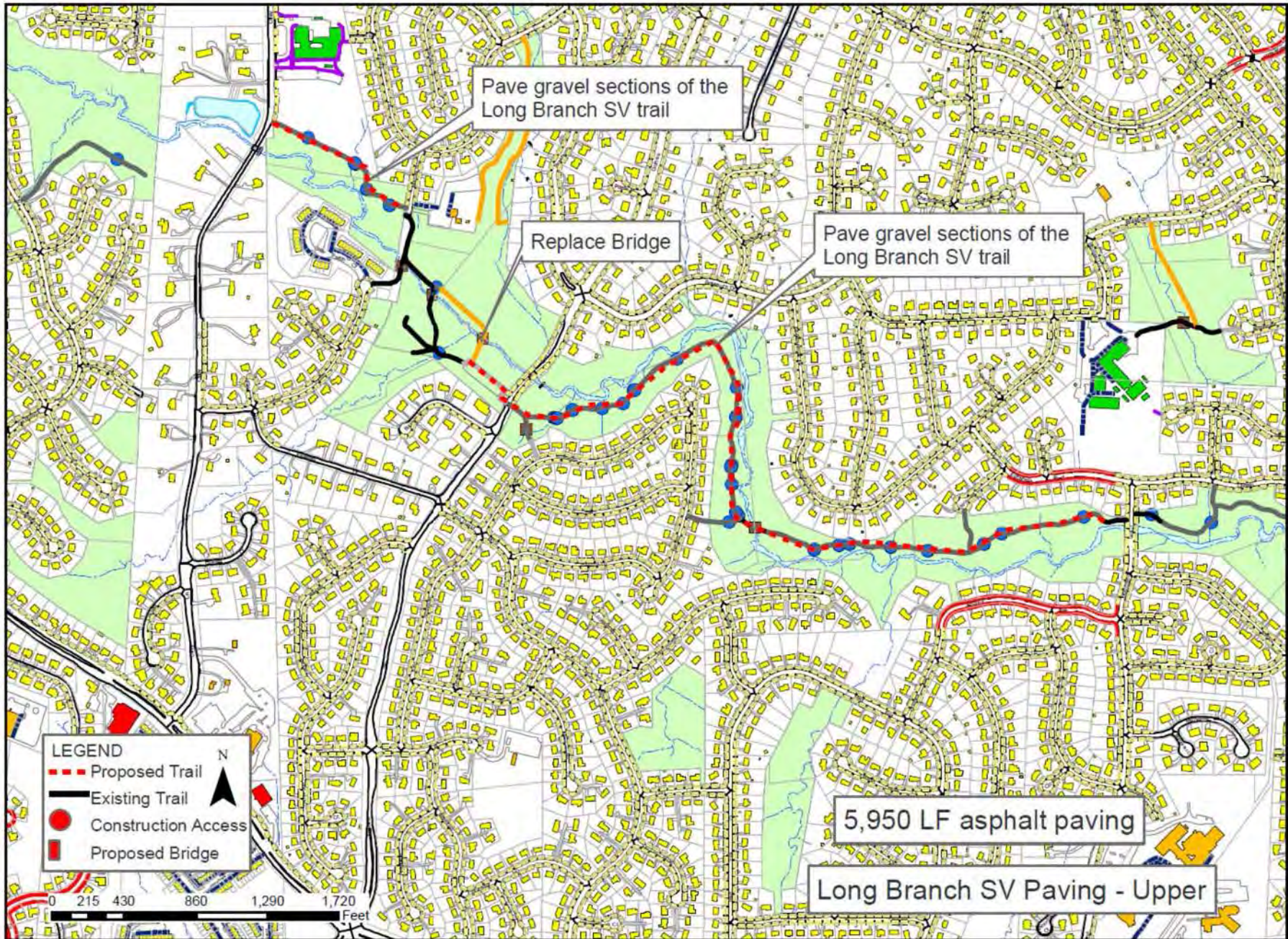
Connectivity: Improve dam outfall crossing so that it is passable more often. Completes loop trail around lake and connection to 41 mile CCT.

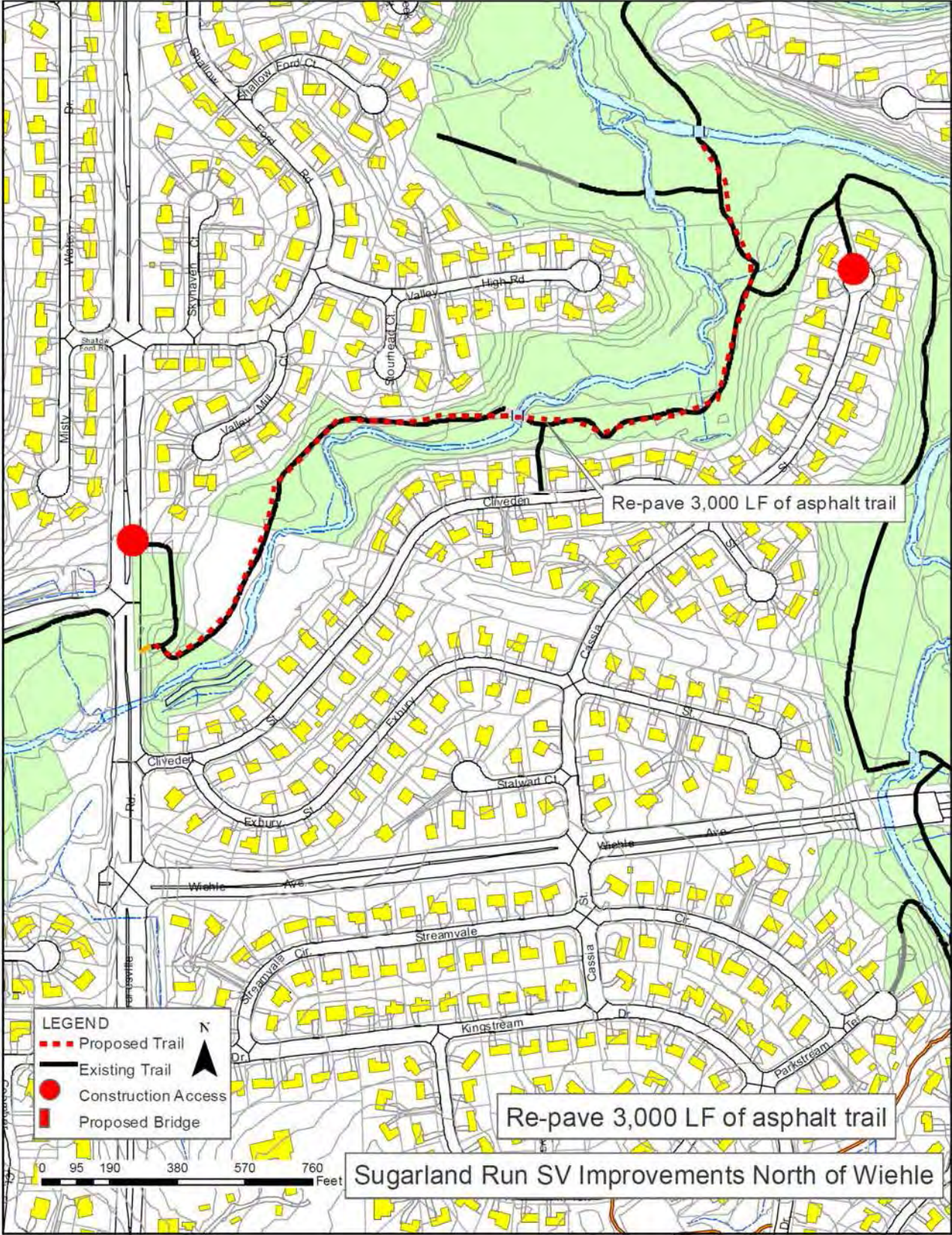
LAKE ACCOTINK DAM OUTFALL





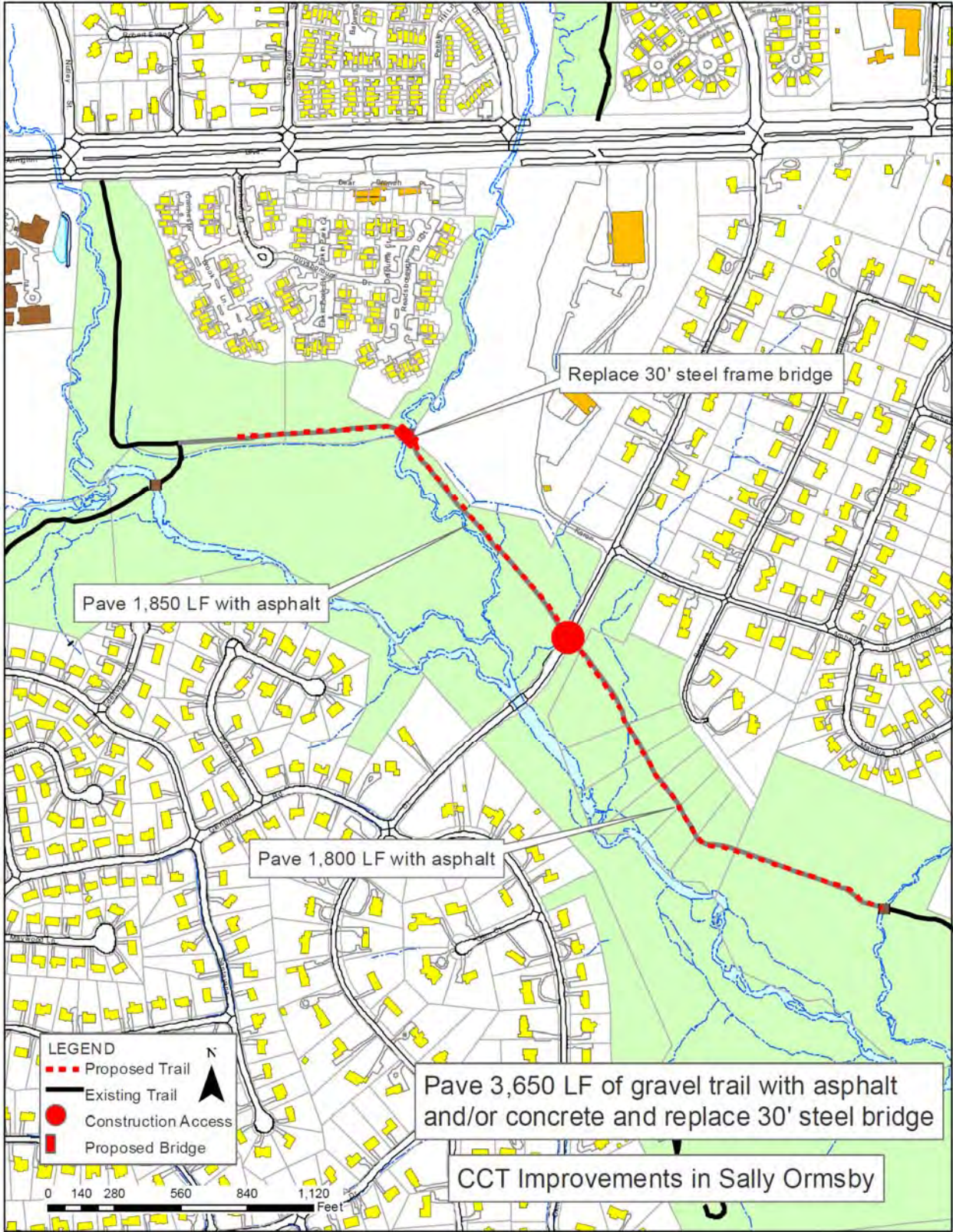


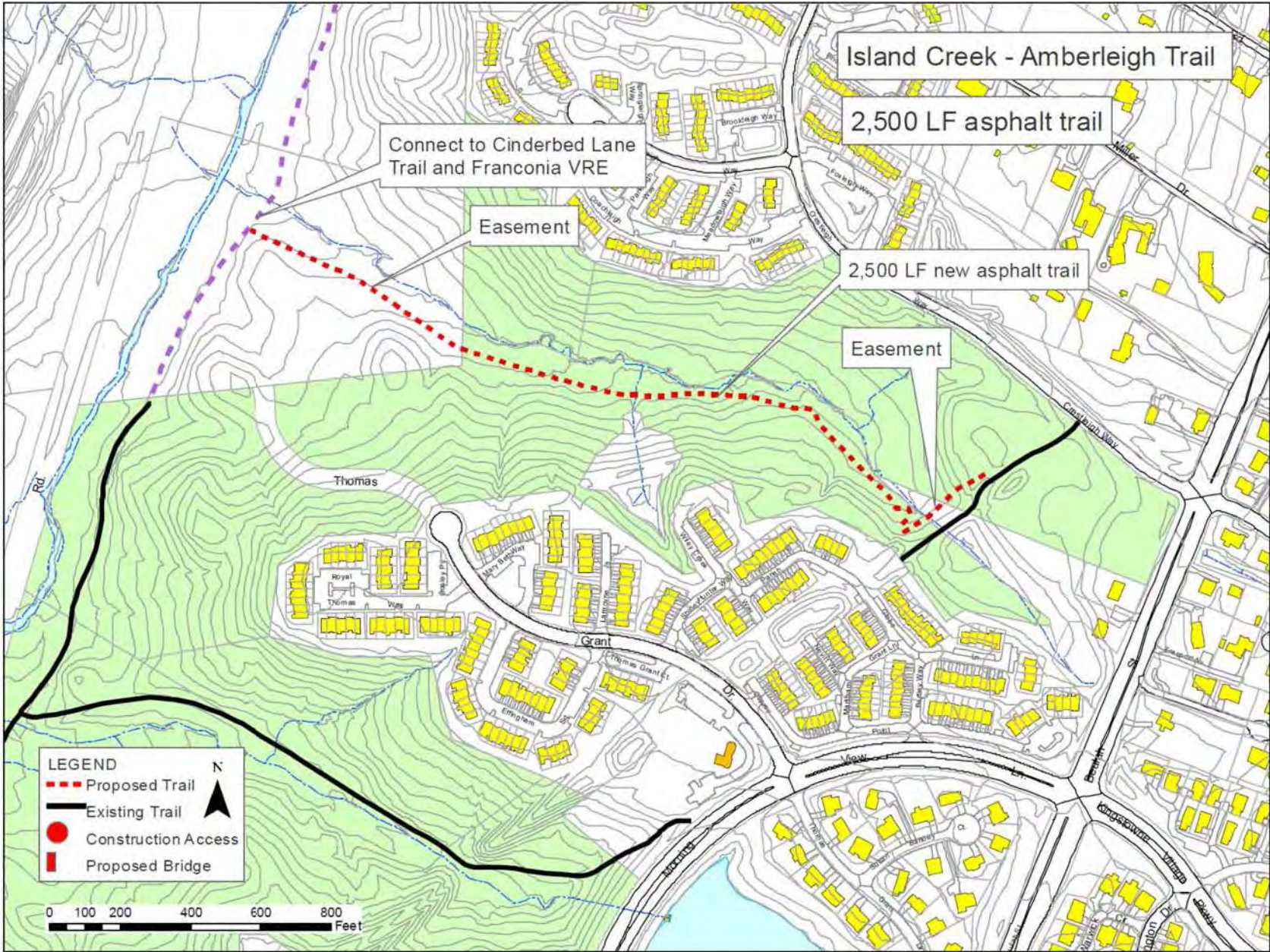


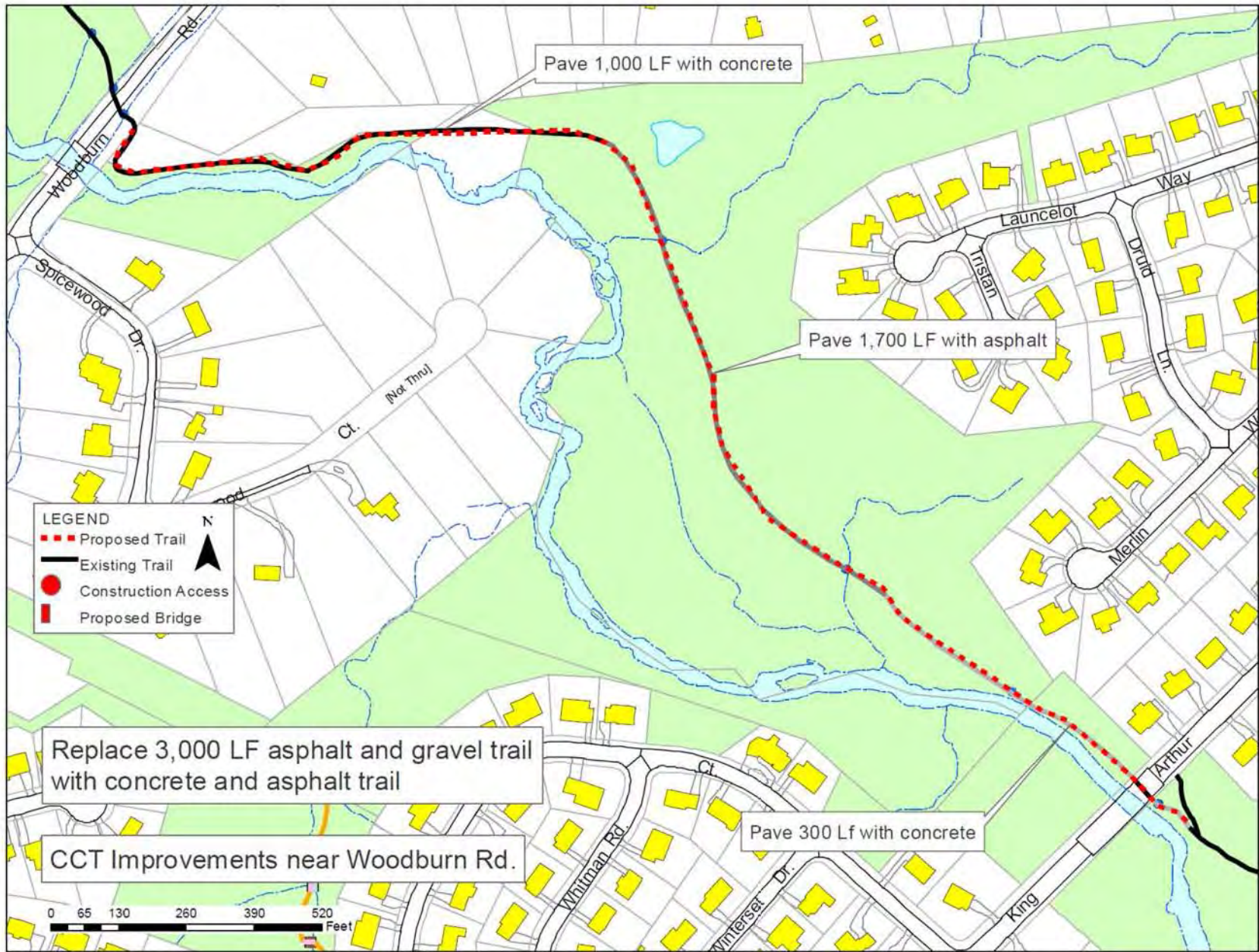


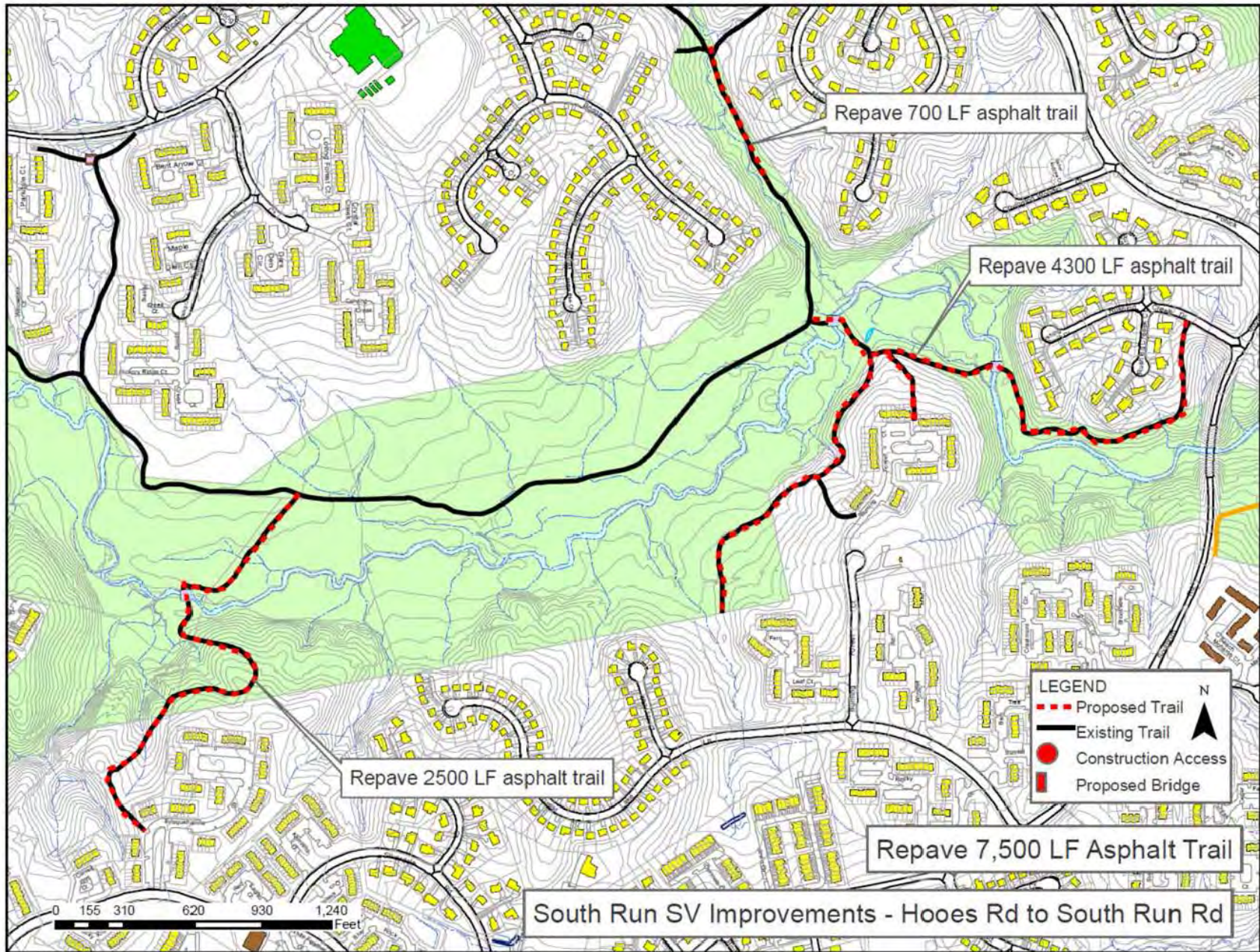


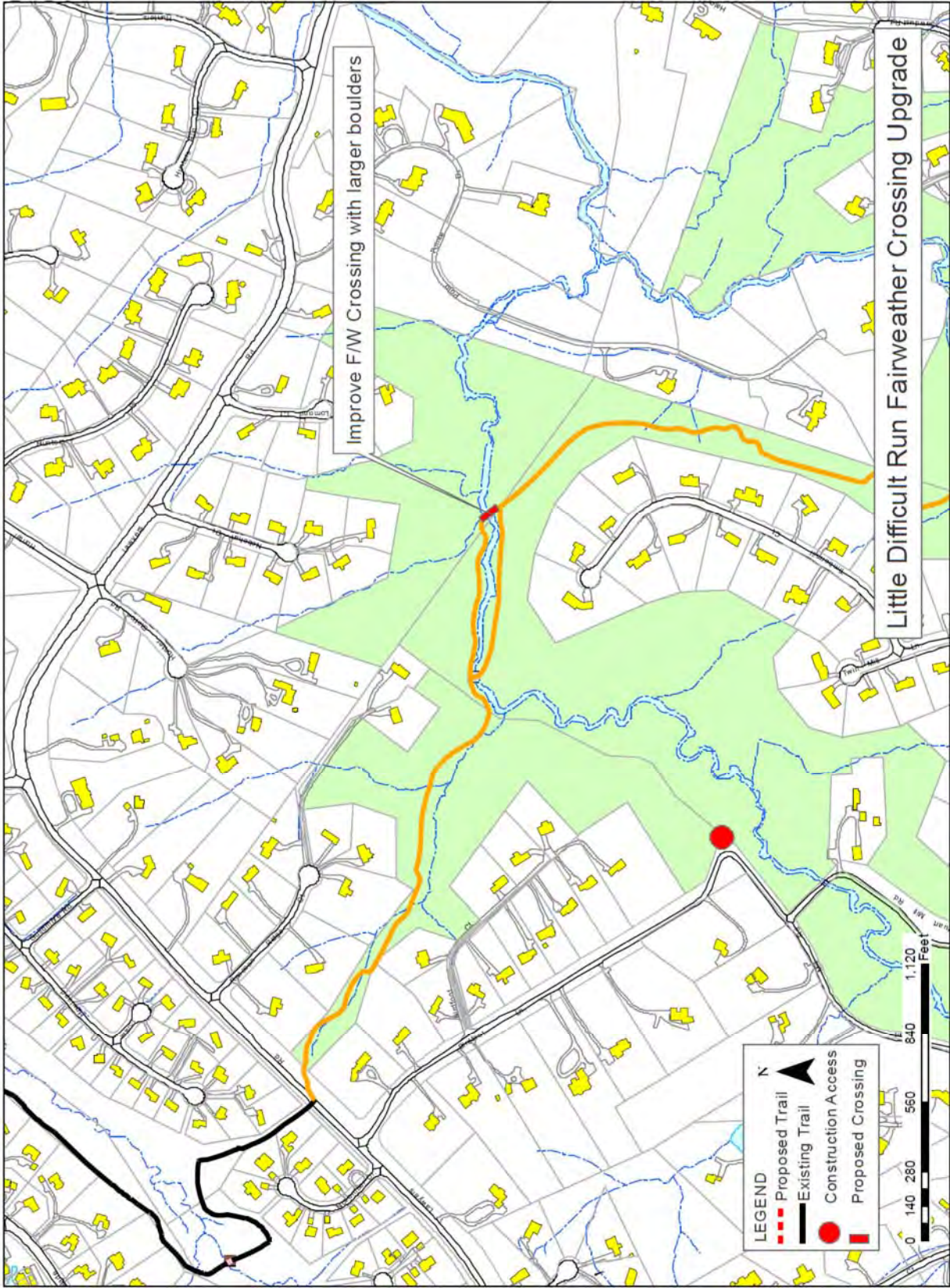


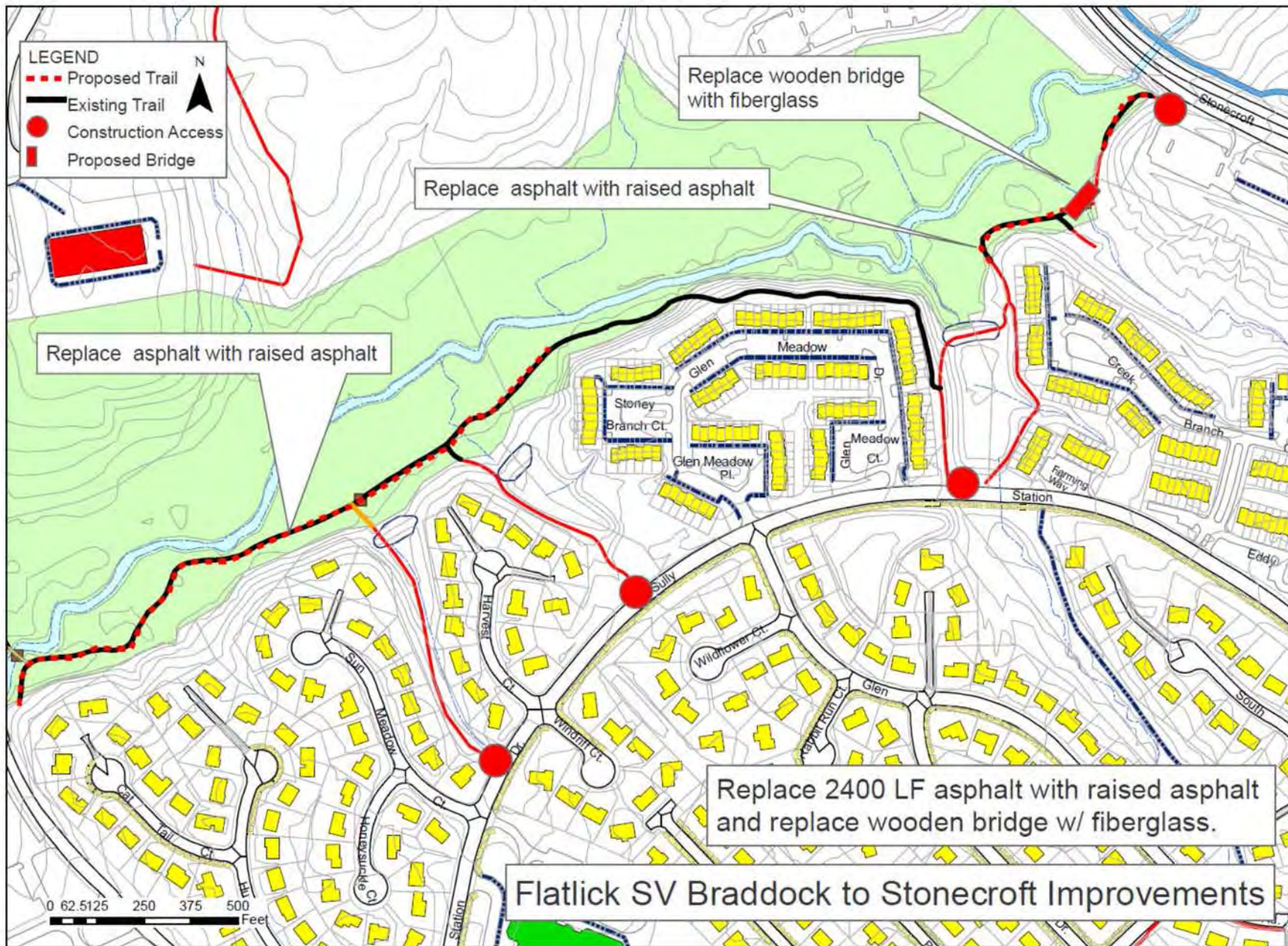


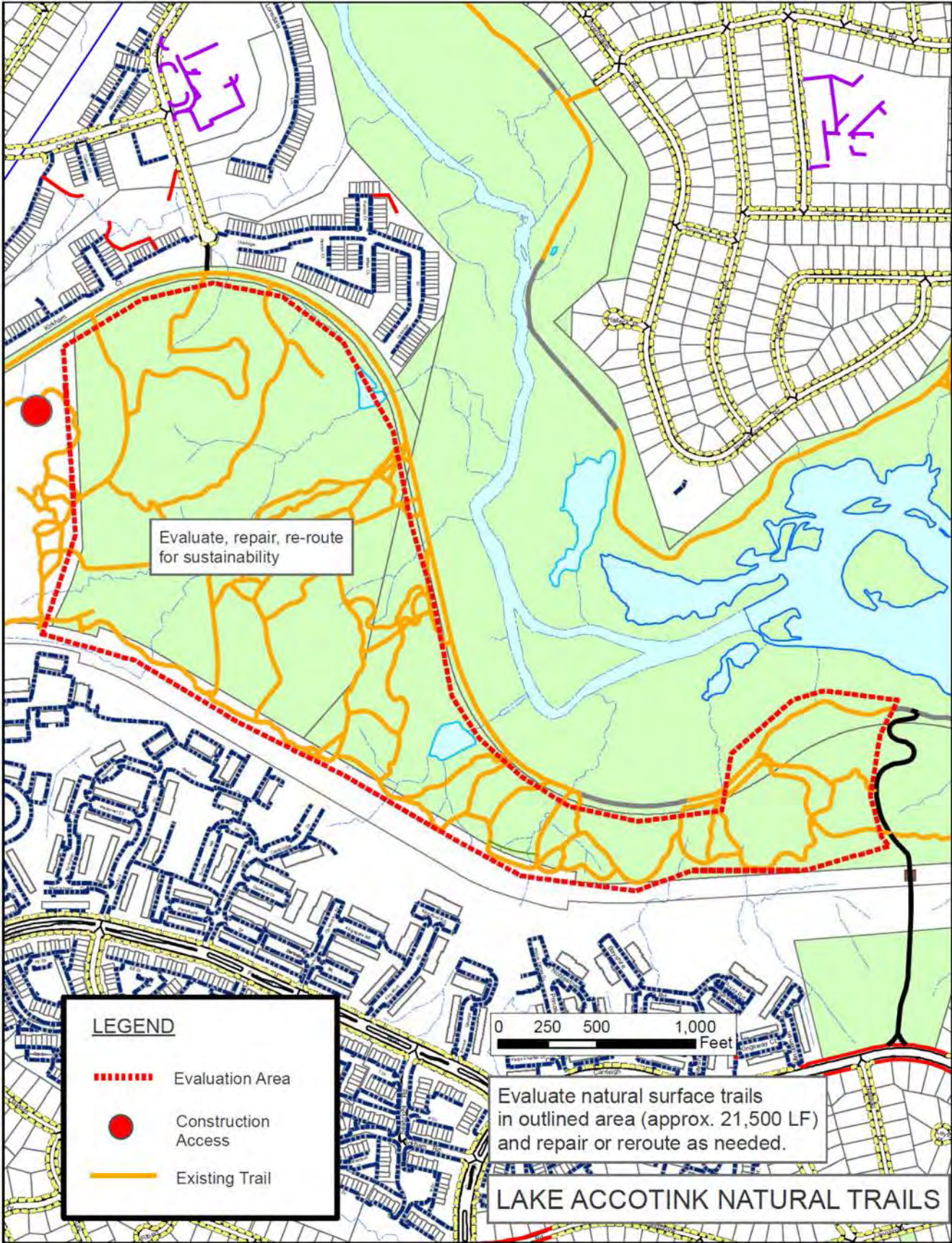


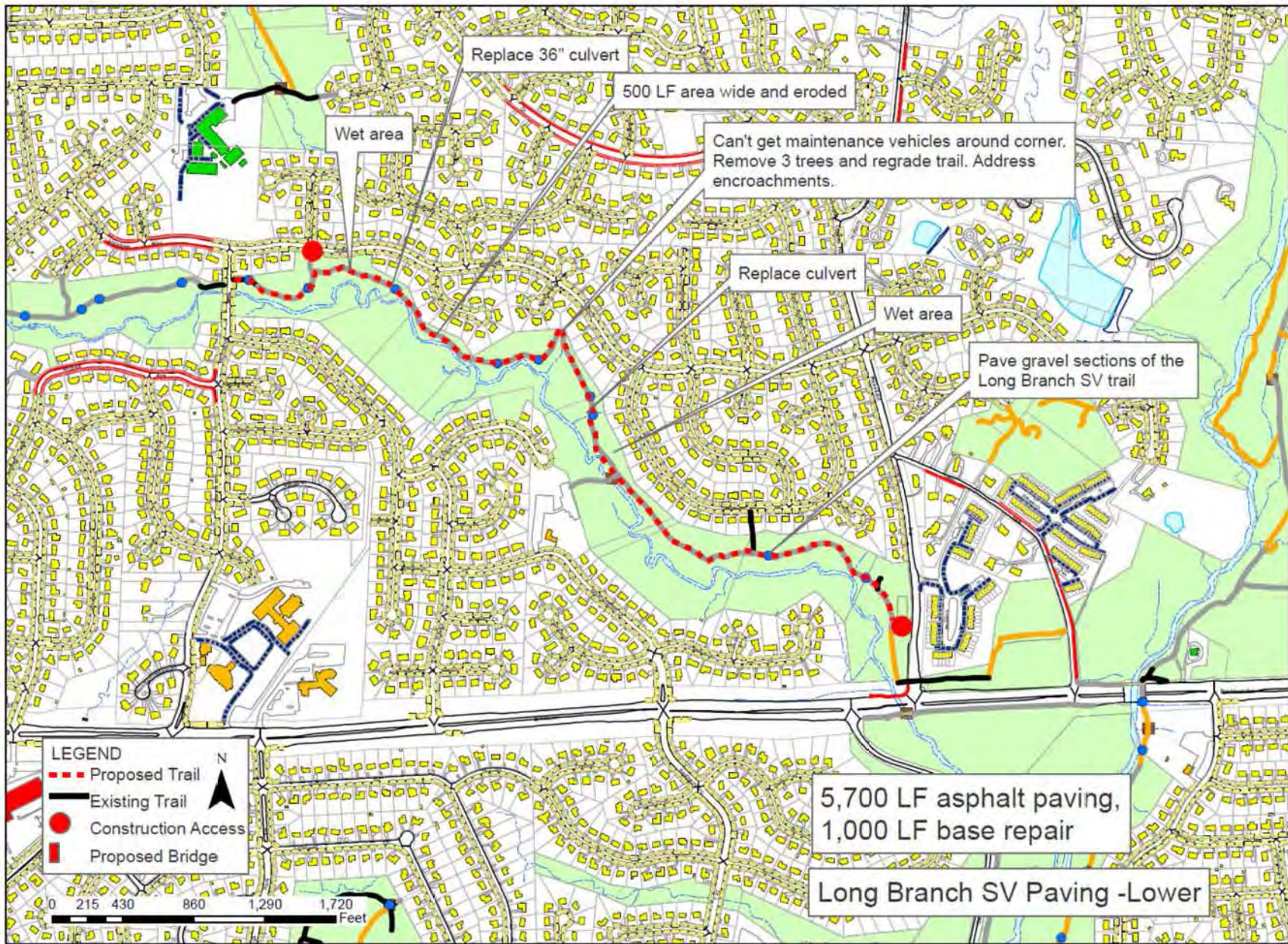












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September 27, 2017

ACTION

Approval of Ellanor C. Lawrence Park Master Plan Revision (Sully District)

ISSUE:

Approval of Ellanor C. Lawrence Park Master Plan Revision

RECOMMENDATION:

The Park Authority Executive Director recommends approval of the Ellanor C. Lawrence Park (ECLP) Master Plan Revision.

TIMING:

Board action is requested on September 27, 2017.

BACKGROUND:

ECLP comprises 650 acres within the Sully District and is bisected by State Route 28 north of its intersection with Interstate 66. It serves as one of the Park Authority's flagship resource-based parks. The Park Authority acquired the bulk of the parkland through a 1971 donation from David Lawrence in honor of his late wife, Ellanor. A Park Master Plan was approved in 1974 and has been revised through 1991. The park has been expanded to its present size through various land acquisitions; today the park is largely wooded and contains significant natural and cultural resources and a smaller area reserved for athletic fields and active recreation.

The Park Authority Board reviewed the draft master plan revision at its meeting on April 26, 2017. Staff released the draft plan for public input and a public comment meeting was held on June 8, 2017.

Community members provided comments across the following themes:

- The concern over the proposed Route 28/Interstate 66 improvements;
- The need for trails, connectivity, and pedestrian safety;
- The desire for a skate park at ECLP; and
- The introduction of new park uses such as the Sully Woodlands Stewardship Education Center.

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The planned transportation improvements along Route 28 and Interstate 66 have influenced the master planning process. Staff has continued to meet with the Virginia Department of Transportation (VDOT) and Fairfax County Department of Transportation (FCDOT) to minimize the impacts to adjacent parkland. Staff met with Board Member Maggie Godbold and Supervisor Kathy Smith (Sully) along with community stakeholders to align the master plan with the known transportation projects.

Adjustments to the plan after the public comments were received include the following:

1. Finalizing the trail recommendations to include new trail alignments and two options for crossing Route 28: the VDOT-supported overpass, and expansion of the existing Big Rocky Run culvert to accommodate multimodal transit;
2. Updating the Conceptual Development Plan and plan text to align with current transportation plan designs;
3. Clarifying the pedestrian safety needs across Walney Road; and
4. Allowing for the option of additional/different recreational facilities in the Active Recreation Area, including outdoor fitness equipment, different types of sport courts, and skating facilities.

Significant plan changes are highlighted in the document.

FISCAL IMPACT:

None

ENCLOSED DOCUMENTS:

Attachment 1: Vicinity Map

Attachment 2: Draft Ellanor C. Lawrence Park Master Plan Revision

STAFF:

Kirk W. Kincannon, Executive Director

Sara Baldwin, Deputy Director/COO

Aimee L. Vosper, Deputy Director/CBD

David Bowden, Director, Planning & Development Division

Cindy Walsh, Director, Resource Management Division

Barbara Nugent, Director, Park Services Division

Todd Johnson, Director, Park Operations Division

Judy Pedersen, Public Information Office

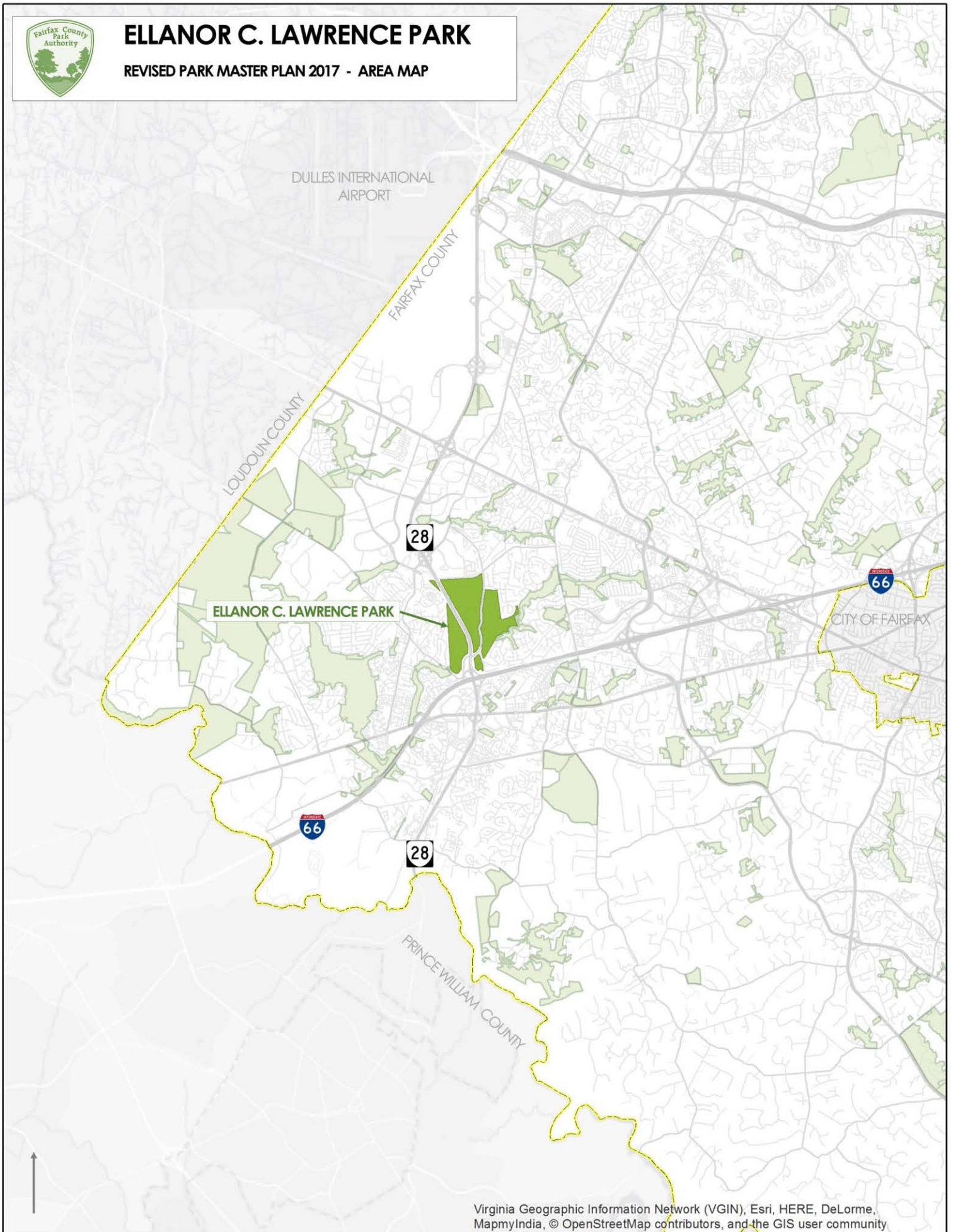
Andrea Dorlester, Manager, Park Planning Branch

Ryan J. Stewart, Project Manager, Park Planning Branch



ELLANOR C. LAWRENCE PARK

REVISED PARK MASTER PLAN 2017 - AREA MAP



SEPTEMBER 27, 2017 DRAFT NOTE:

The Draft Park Master Plan was updated following public input in Summer 2017. Significant revisions since the Park Authority Board's last review on April 26, 2017 are highlighted. See pages 51-52, 54, 56-57, 61, and 63.

ELLANOR C. LAWRENCE PARK PARK MASTER PLAN

2017 REVISION – DRAFT SEPTEMBER 27, 2017





Fairfax County Park Authority

Established in 1950, the Fairfax County Park Authority is charged by the Board of Supervisors with a dual mission to set aside public spaces for and assist citizens in the protection and enhancement of environmental values, diversity of natural habitats and cultural heritage to guarantee that these resources will be available to both present and future generations; and to create and sustain quality facilities and services which offer citizens opportunities for recreation, improvement of their physical and mental wellbeing, and enhancement of their quality of life. For more information, visit www.fairfaxcounty.gov/parks.

Planning and Development Division
12055 Government Center Parkway, Suite 406
Fairfax, Virginia 22035

Ellanor C. Lawrence Park
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Media/Public Inquiries
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Cover Image: Walney Pond, Ellanor C. Lawrence Park

Park Authority Board

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Planning and Development Division
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Barbara Nugent, Director

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Introduction

Fairfax County, Virginia is a thriving community that is home to more than one million residents and the base for over two hundred million square feet of commercial, industrial and retail space within the Washington, DC metropolitan region. **The county's residents and work force** all uniquely benefit from the more than 23,000 acres of parkland and the myriad of recreational opportunities provided throughout the county.



The Fairfax County Park Authority was established in 1950 with the charge of developing and maintaining the viability and sustainability of this expansive system of parkland and facilities. Through the provision of quality facilities and services, **as well as the protection of the county's** cultural and natural resources, the Park Authority seeks to improve the quality of life for the **county's residents** today and well into the future.

Why Master Plan Parks?

To achieve its long-range goals and objectives, the Park Authority has established a process for the planning of park property and facilities, framed to be consistent and equitable. A key part of this process includes development of park master plans, specific to each park and intended to establish a long-range vision towards future park uses and site development. During the planning process, the site is evaluated to assess its context within the surrounding neighborhood as well as within the framework of the entire Fairfax County Park Authority park system. Potential and desired uses are considered with the ability to establish them sensitively and sustainably on the subject property with public input as a key component in the decision-making process.

When completed, the individual park master plan will serve as a long-term, decision making tool to guide all aspects of development related to planning, design, construction, resource management, and programming within that given park. To maintain the viability of the park master plan as an effective tool, periodic updates may occur so that the plan accurately reflects the park and its surroundings, addressing changes that occur over time. Physical site development ultimately will require additional study and detailed engineering that exceeds the scope of a park master plan; however, it is the framework established through the park master plan process that assures cohesive, efficient and balanced development and usage of Park Authority assets.



Figure 1: Park Master Planning Process

The Planning Process and Public Involvement

Using this Park Master Plan

This park master plan for Ellanor C. Lawrence Park is provided to Park Authority officials and stakeholders to guide the future development and use of the park. The plan is conceptual in nature and subject to further engineering. The development of facilities will depend on public need, funding, and feasibility at the time such features are considered. The master plan incorporates Park Authority policy, regulation, management planning, and public involvement and provides a generalized, long term vision for the park. It should not be considered the sole source to guide the management of natural and cultural resources, interpretation, maintenance, or the usage of facilities. Decision makers should consult the specific recommendations in the park's individual management plans which are updated periodically.

Once the draft master plan was reviewed by the Park Authority Board, it was posted to the project's website for public review and comment. The project team held a second public meeting on June 8, 2017 to present the recommendations in the draft plan.

Public input is a cornerstone of the Park Authority's development of a Park Master Plan. Accordingly, the project team held a public information meeting at the Sully Government Center on June 28, 2016. The meeting was an opportunity for members of the public to speak directly with the team, learn more about the planning process, request specific considerations at Ellanor C. Lawrence Park, and to provide feedback and visioning for the master plan. While public engagement is ongoing throughout the master plan's development, initial feedback focused on maintaining the park's high level of natural and cultural resource management, the potential impacts from ongoing transportation improvements, trail and pedestrian connectivity, and ensuring access to active recreation and parking.



Figure 2: Public Information Meeting
Photo: Fairfax County Park Authority, June 28, 2016

Park Background

Location and General Description

Ellanor C. Lawrence Park (ECLP) is one of the Fairfax County Park Authority's largest parks and is prized for its rich natural resources and the land's historic role in the county. Located in the Sully Supervisory District at 5040 Walney Road in Chantilly, ECLP occupies over a square mile along the Route 28 corridor. The park's nearly 650 acres offer the region's residents opportunities to relax, recreate and recharge in a natural setting, pursue individual and team sports, learn about the county's agricultural past, and partake in the park's many interpretive programs and events.

ECLP was first established in 1972 through a generous donation of land from David Lawrence in honor of his late wife, Ellanor. Since that time, the park boundaries have expanded to its present size due to a series of land dedications associated with adjacent development; these areas are detailed below.



Figure 3: Ellanor C. Lawrence Park and Fairfax County Supervisory Districts

Sully Woodlands

ECLP is part of the Sully Woodlands region, an assemblage of over 4,000 acres of parkland in the western portion of the county. The Park Authority acquired these lands through a variety of mechanisms such as direct purchases, grant assistance, developer dedications, donations, and land transfers. The rural and suburban character of this landscape is reflected across this diverse collection of parks. In addition to active and passive recreational opportunities, the Sully Woodlands contains some of the richest natural, cultural, and scenic resources in the county. It is envisioned that ECLP will serve as a public gateway for visitors to the Sully Woodlands region.

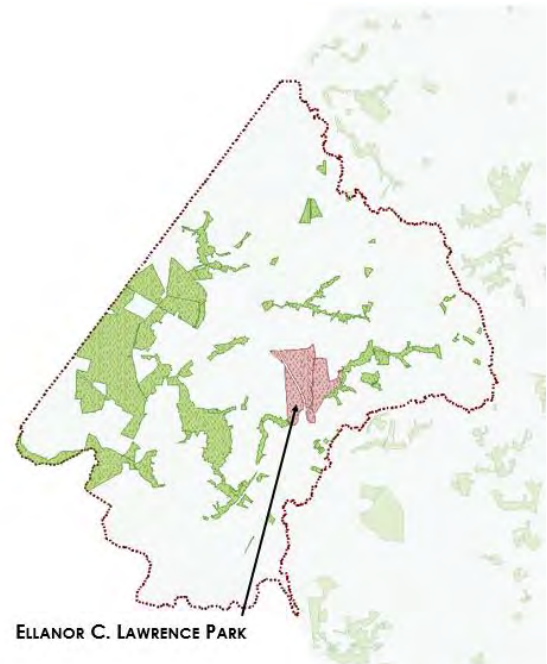


Figure 4: Ellanor C. Lawrence and Sully Woodlands Parkland

Property and Park History

The land within ECLP has a rich history dating from prehistoric times to the present. The Park Authority's archives contain extensive documentation on the cultural heritage of the park, which is partially reproduced herein.

Human occupation in the area likely extends over 10,000 years into the past, as evidenced by Clovis points found nearby at Dulles International Airport. Within the park itself, an 8,000-year-old spear point has been found.



Figure 5: Map of the 1862 Battle of Chantilly, c.1862-1865, Library of Congress

The land of ECLP was farmland for more than 230 years. During this time, ownership remained with three families: Brown/Lewis, Machen, and Lawrence. It is the story of these three families during the years 1742 to 1973 that is most significant to the park and which is the focus of the park's cultural resource management and interpretive efforts.

The core of the park is the 18th-century farm, known today as Walney. Like other area farms, tobacco was the primary crop prior to the Revolutionary War. Wheat replaced tobacco in the latter half of the 18th century. Alexandria began trading in wheat and flour in the 1760s, and Fairfax County's farming community sought to meet the new market demand. In addition, wheat did not deplete the soils as the previous tobacco crop. Prior to the American Civil War, early scientific farming methods diversified the crops and livestock at Walney, concentrating in wheat, corn, oats, cattle, sheep, and hogs.

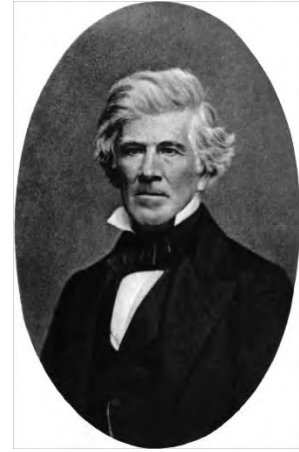


Figure 7: Lewis H. Machen



Figure 6: Walney, Present Day

The farms within the present-day park suffered during the American Civil War. Nearby Centreville became a key strategic location, and in 1861-1862 more than 40,000 troops camped in the area, cutting most of the available trees for firewood, shelter, and

fortifications. Today, the park still bears the evidence of erosion caused during this period. Property destruction was also common; The Walney house was looted in August 1862 and the frame house built for James P. Machen was reportedly burned by Federal troops. The September 1862 Battle of Chantilly (Ox Hill) was fought on a portion of the Machen's farm.¹

Walney followed the trend of other Fairfax County farms following the Civil War and expanded to dairy production once railway service to the Washington, DC market became readily available. Daily operations were halted in 1890 for unknown reasons. The land was rented out to area farmers in subsequent years; but, by the time the Lawrences purchased Walney in 1935, the farmland was abandoned.



Figure 8: Middlegate, Present Day

David and Ellanor Lawrence used Walney as a welcome retreat from Washington, DC and in 1942 purchased 20 acres nearby containing Cabell's Mill and the Middlegate House. Many supporting structures and tenant buildings were removed during a series of renovations to the Walney and Middlegate properties, and features such as gardens and landscaping enhanced the grounds at Middlegate. Over the years, former

pastures and croplands have reverted to forests. These features – Walney, Middlegate, and the forests – are the focus of recommendations in this master plan.

Ellanor's will to her husband David indicated that the property should be given to a public agency and, honoring this wish, David donated the land to the Park Authority in 1971 in her memory.

Park Acquisition

The 1971 donation from David Lawrence to the Park Authority consisted of 585 acres that forms the core of the park (Parcel 44-4 ((1)) 3). As part of this transfer, the Lawrence family, Park Authority, and Trustees of St. John's Episcopal Church, Centreville, agreed to certain conditions. Among them, the Park Authority agreed that the land would remain in use as a park and it would "contest [eminent domain] proceedings in every

¹ Mauro, Charles V. (2002). *The Battle of Chantilly (Ox Hill): A Monumental Storm*. Fairfax, VA: Fairfax County History Commission. p. 62-63.

fashion reasonably possible." Failure to do so would result in the Park Authority forfeiting its ownership of the property to the Trustees of St. John's Church.

Additional developer dedications of land to the Park Authority have expanded the boundaries of ECLP to the east. Land acquired after the Lawrence's original gift is not subject to the same deed restrictions. One acquisition, Parcel 54-2 ((1)) 3A, contains a residence and other associated structures which were built in 1988 after the Park Authority took ownership of the Lawrence Property. The house is located over one-quarter of a mile from both the Walney and Midlegate complexes and does not detract from the character of either site. Unlike other home sites within the park, this site does not contribute to area's cultural narrative; it currently serves in an administrative capacity and may continue to do so.

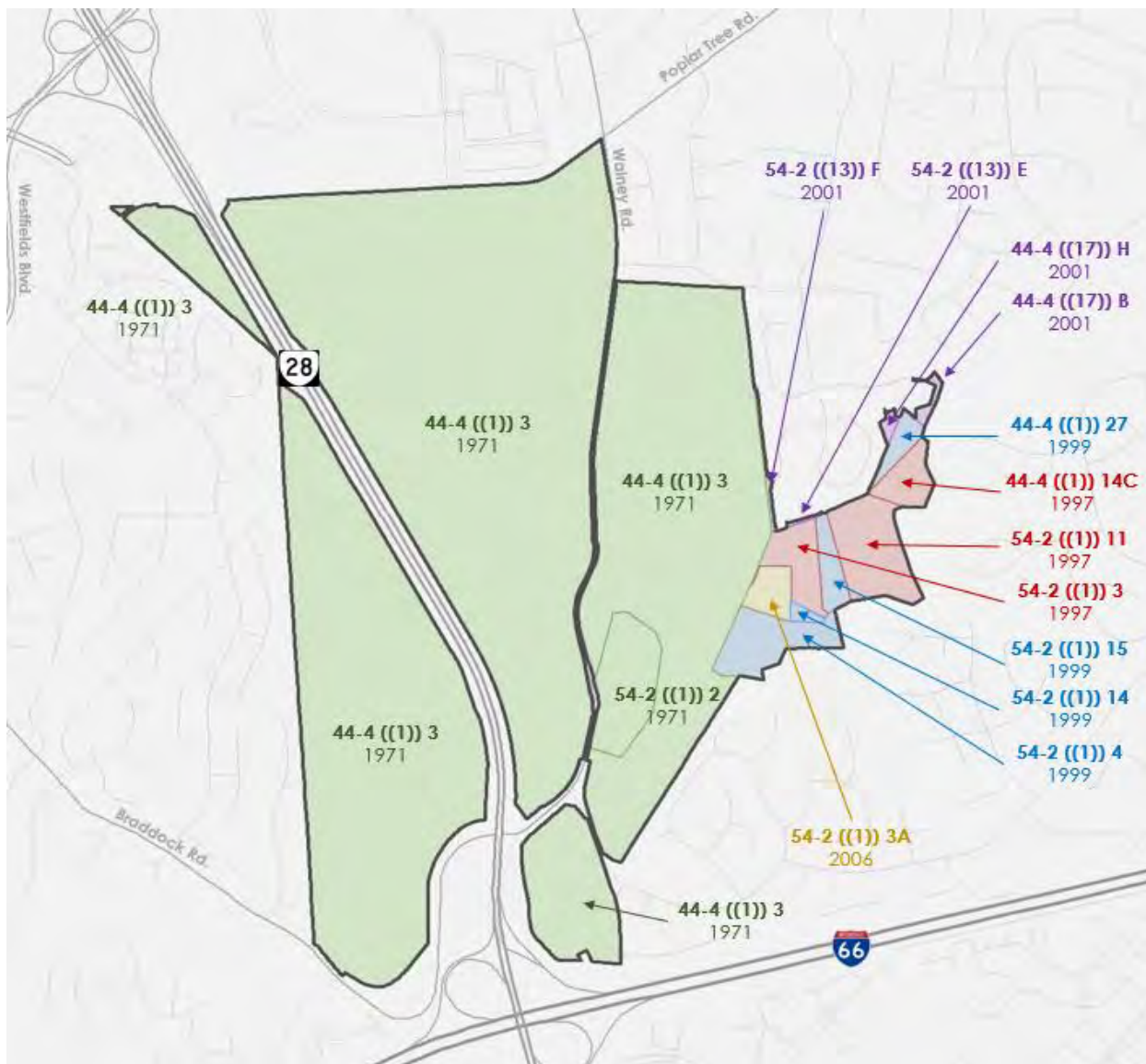


Figure 9: Parkland Acquisition, 1971-Present

Parcel Inventory (2016)		
Parcel	Acres	Year Acquired
44-4 ((1)) 3	584.79	1971
54-2 ((1)) 2	14.74	1971
44-4 ((1)) 14C	5.00	1997
44-4 ((1)) 27	3.16	1999
44-4 ((17)) B	1.07	2001
44-4 ((17)) H	0.78	2001
54-2 ((1)) 3	7.00	1997
54-2 ((1)) 11	13.33	1997
54-2 ((1)) 4	9.90	1999
54-2 ((1)) 14	0.85	1999
54-2 ((1)) 15	4.28	1999
54-2 ((13)) E	0.23	2001
54-2 ((13)) F	0.68	2001
54-2 ((1)) 3A	4.15	2006
Total Acreage	649.96	

Table 1: Parcel Inventory and Acquisition History

Prior Park Planning Efforts

Aside from existing roads, structures, and amenities built by prior occupants, much of ECLP remained in a natural state until approximately 1980 when park development commenced. As early as 1974, the Park Authority conducted open meetings to understand public needs and preferences as they related to future park development. Although public input was minimal, many participants expressed a desire to preserve the park's natural environment. That desire, also expressed in Ellanor C. Lawrence's will, continues to this day and is a driving factor in the park's management and visitor experience. Conceptual plans detailing the park's future development were completed in 1976 with a significant update in 1978, and minor revisions and updates in 1980, 1990, and 1991.

Park Classification

The Fairfax County Comprehensive Plan establishes a framework intended to guide long-term planning for the county with respect to both the built and natural environments. As a component of the Comprehensive Plan, the Policy Plan addresses goals and objectives for various planning elements, including parks and recreation, and establishes a Park Classification System to guide the planning of open space and facilities.

Within the Park Classification System, ECLP is classified as a Resource-Based Park. Resource-Based Parks are intended primarily to preserve, protect, and interpret natural and/or cultural resources, although portions may be designated for recreation purposes. Location and size is determined by the specific resources and may vary greatly between individual Resource-Based Parks.

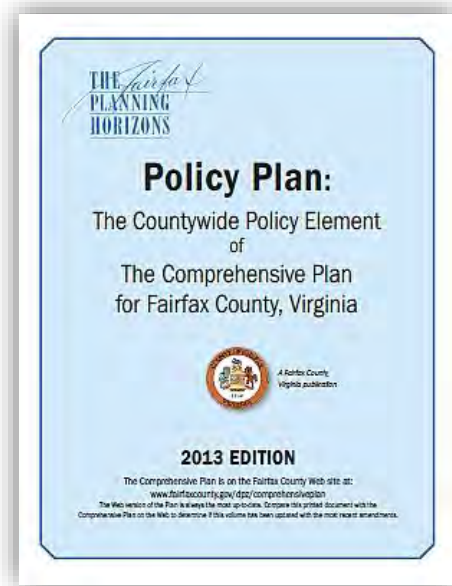


Figure 11: Fairfax County Comprehensive Plan, Policy Plan

Locations for Resource-Based Parks within the county are determined by the location of specific resources. Size and access can take many forms depending on the setting of type of resources. Management plans should consider the resources and allow public use only as it is compatible with resource protection.

Resource-Based Parks are selected for inclusion in the park system because of their exemplary natural and/or cultural features. Such parks are identified, acquired, and preserved for stewardship of these resources, which provide a variety of public benefits. The lands may offer opportunities to restore degraded areas with the intent to protect, increase, and restore biodiversity of species that may inhabit these areas and provide interpretive opportunities relative to environmental and cultural resources.

In addition, recreational opportunities and facilities may also be appropriate at these parks. Development which does not adversely affect resources and which enhances awareness of the resource values or serves community leisure needs, is appropriate. Development should include opportunities to support education as well as outdoor enjoyment, and may include features such as interpretive (educational) facilities, visitor centers, nature centers, orientation kiosks, nature watching stations, demonstration areas, preserved specialty or historic structures, or gardens. Trails and connections are significant features at these parks, especially along stream valleys, which may be designated for hiking, biking, and equestrian uses. To the extent that they do not adversely impact the resources themselves, support amenities may also be developed such as picnic areas, restrooms, signs, benches, waterfront access areas, and parking.

Planning and Zoning Context

Fairfax County Comprehensive Plan Guidance

Within the framework of the Fairfax County Comprehensive Plan, ECLP is in the Bull Run Planning District and wholly within the BR3/Flatlick Community Planning Sector. The Flatlick Community Planning Sector encompasses a diverse mix of land uses. The southern portion consists primarily of single-family detached residences; the eastern edge of the planning sector is developed with townhomes.

The Bull Run Planning District also includes portions of defined Supplementary Planning Areas. The Dulles Suburban Center Area encompasses much of the park west of Walney Road; The Centreville, Centreville Farms, and Fairfax Center Areas are near but outside the ECLP boundaries. The Comprehensive Plan indicates that the development around the park will remain relatively unchanged for the foreseeable future; the low density residential uses are part of a transition area between the higher density development planned for Centreville and Fairfax Center.

The Comprehensive Plan provides **guidance specific to ECLP's context within the Planning District and wider park system.** Among the recommendations is **that ECLP should “complete development in accordance with approved master plan.** This park contains environmentally sensitive natural and cultural resources and park uses are subject to deed covenants; therefore, any intrusion of non-recreational development should be restricted and impacts of off-site development mitigated. The park should not be allowed to be used to fulfill private development **requirements.”** (Fairfax County Comprehensive Plan, Area III Plan, Bull Run Planning Sector, Page 60, amended through September 20, 2016).



Figure 12: Current Park Boundaries (2015 Aerial Imagery)

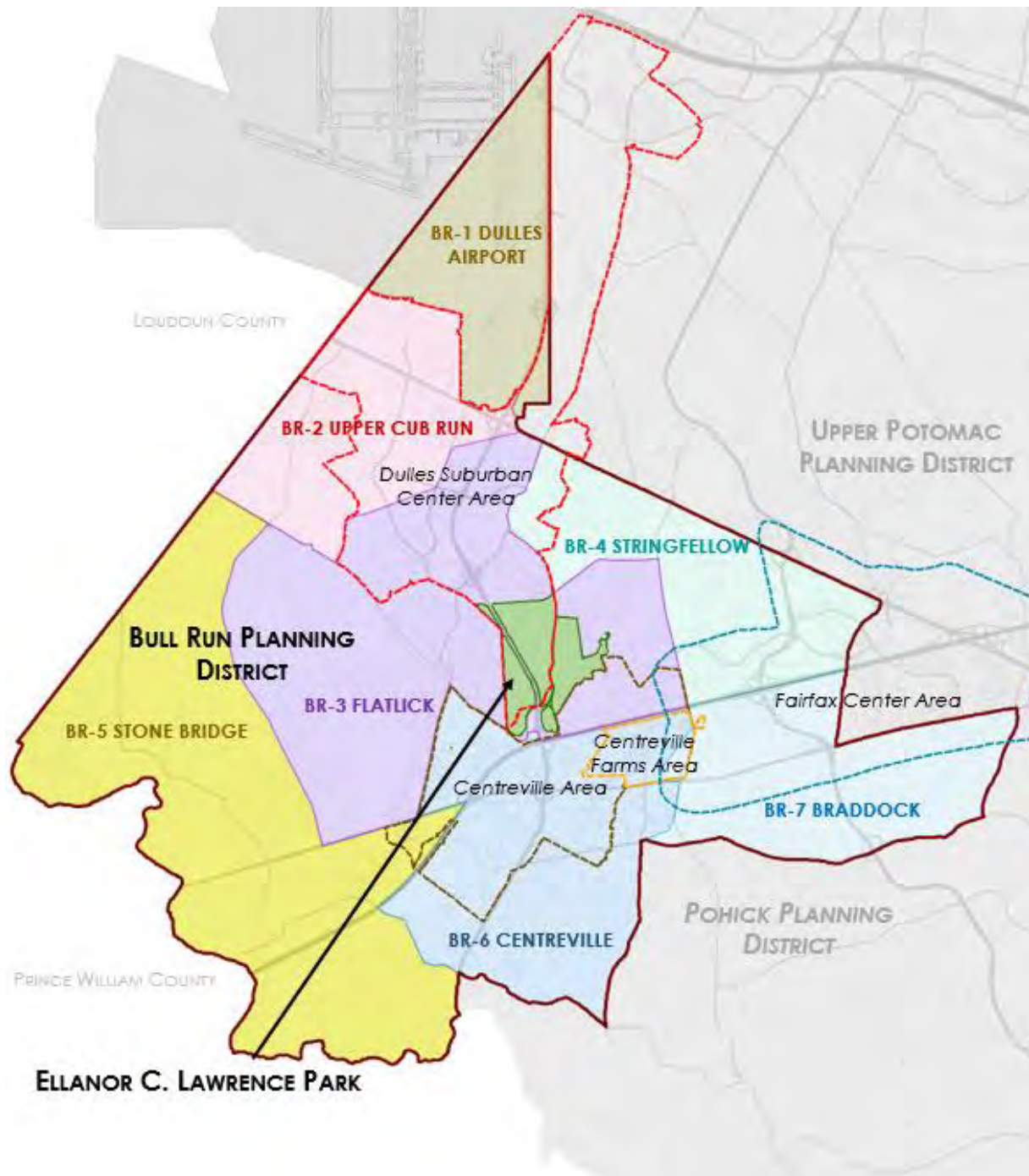


Figure 13: Comprehensive Planning Context: Bull Run Planning District, Community Planning Sectors, and Supplementary Planning Areas

The Dulles Suburban Center Plan provides further park-specific guidance. It notes that athletic fields are available at only two locations within the Suburban Center: ECLP and Floris Elementary School. The Plan indicates that these two sites are insufficient to meet the demand for athletic facilities from the community. Since the Plan language was adopted, new fields at Sully Highlands Park have been constructed and will help to

meet the athletic field need within the Dulles Suburban Center. In addition, the Plan recommends considering pedestrian/bicycle access across Route 28 to ECLP in northwestern corner of the park ((Fairfax County Comprehensive Plan, Area III Plan, Dulles Suburban Center Area-Wide Recommendations, Pages 45, 142, amended through September 20, 2016).

Fairfax County Zoning

ECLP is wholly within a residential (R-1) zoning district, with an allowed density of one dwelling unit per acre. Park uses are permitted by-right in this district. The park is not presently within an overlay district.

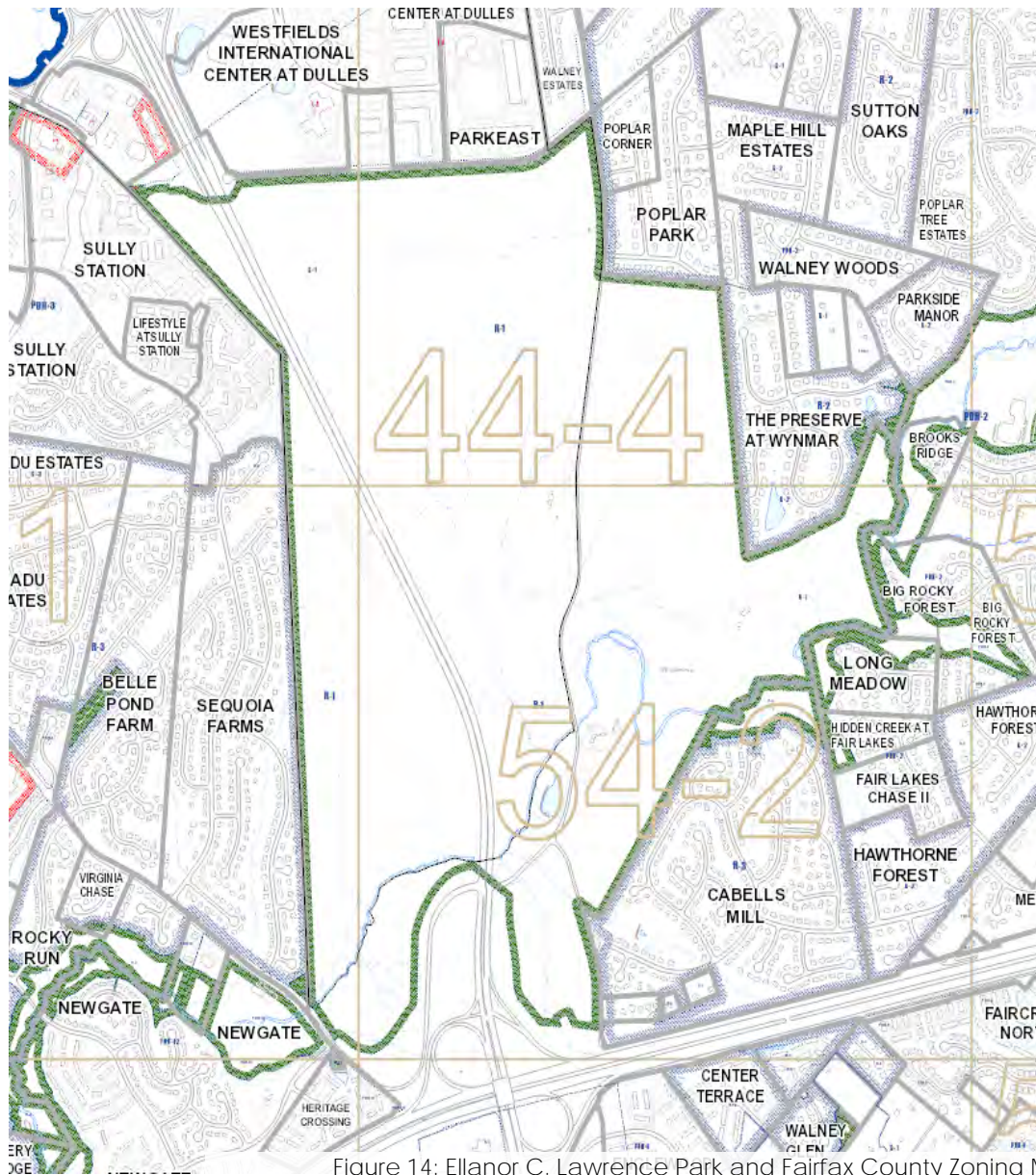


Figure 14: Ellanor C. Lawrence Park and Fairfax County Zoning Map, with neighborhoods (November 2016)

Great Parks, Great Communities

The 2011 Great Parks, Great Communities Plan (GPGC), serves as the Park Authority's long-term development plan and provides planning guidance for the park system. Incorporating the recommendations of needs assessments and other management plans, GPGC addresses the agency's physical land, natural and cultural capital, and facilities. The plan is organized by the central themes of Connectivity, Community Building, Service Delivery, Facility Reinvestment, Land Acquisition, and Resource Interpretation. Recommendations to strengthen the park system in the Bull Run Planning District and at ECLP are detailed below. Additional countywide recommendations may be found in the GPGC Plan.



Figure 15: Themes in the Great Parks, Great Communities Plan

Great Parks, Great Communities Recommendations for ECLP and Sully Woodlands	
Connectivity	
BR-C-6	Add Cabell's Mill and Sully Historic Site to an interpretive trail that links these sites to other historic structures within Fairfax County that illustrate changing architectural styles through the county's development
BR-C-7	Include Ellanor C. Lawrence, Cub Run Stream Valley, Elklick Preserve, Poplar Ford, and Hickory Forest Parks as significant nodes along a natural areas interpretive trail within the county
Community Building	
BR-CB-1	Consider the development of picnic pavilions, garden plots, and community gathering spaces in Bull Run as parks are planned, developed, and redeveloped
BR-CB-3	Plan for the future Stewardship Education Center at Sully Woodlands to serve a community building function in addition to education and interpretation
Service Delivery	
BR-SD-2	Convert athletic fields to synthetic turf and add lights where appropriate to expand capacity on existing fields
BR-SD-4	Explore opportunities to include new facility types at Sully Woodlands to the extent that the facility operations are feasible and mission appropriate

BR-SD-5	Explore opportunities to provide unique facilities that highlight or relate to the resources in this district. Such opportunities may relate to the highly significant and abundant natural and cultural resources, large amount of contiguous parkland, shoreline parkland and convergence with other jurisdictions and park providers
BR-SD-9	Initiate a Master Plan Revision process for Ellanor C. Lawrence Park to update obsolete elements of the existing plan and ensure a long-range plan that is consistent with resource stewardship, programs and community needs
Facility Reinvestment	
BR-FR-2	Renovate the Nature Center at Ellanor C. Lawrence Park including upgrades to restrooms, visitor services areas and office and storage space
BR-FR-3	Build a new picnic shelter and visitor center at Ellanor C. Lawrence Park
BR-FR-4	Improve signage at Arrowhead and Ellanor C. Lawrence Parks to clearly direct users to established, overflow and shared parking facilities
BR-FR-5	Improve parking lots, roads, and trails at Ellanor C. Lawrence Park; Improvements should include Low Impact Development (LID) and environmentally sensitive pervious treatments
BR-FR-6	Explore opportunities to create new areas for parking to support athletic field use at Ellanor C. Lawrence Park
Land Acquisition	
There are no specific land acquisition recommendations for ECLP; however, staff will consider additions to the park as opportunities arise.	
Resource Interpretation	
BR-RI-1	Improve the pond at Ellanor C. Lawrence Park to enhance the visitor experience and interpretive opportunities
BR-RI-2	Develop new and improve existing interpretive exhibits at Ellanor C. Lawrence Park including waysides, signs, and kiosks.
BR-RI-3	Complete furnishing plans for historic buildings at Ellanor C. Lawrence Park
BR-RI-4	Develop the Stewardship Education Center, a new regional-scale, permanently staffed interpretive center facility proximate to the large natural areas west of Route 28 and south of Route 50 in the Sully Woodlands region
BR-RI-5	Use natural and cultural resources in parks as the foundation for interpretation at the Stewardship Education Center in Sully Woodlands
BR-RI-6	Incorporate natural and cultural themes into wayfinding and interpretive signage to be developed within Sully Woodlands and Historic Centreville Park

BR-RI-7	Complete an overall interpretive plan to develop landscape-wide themes derived from the Sully Woodlands consultant report. Develop subsequent site-specific or thematic interpretive plans as needed
BR-RI-8	Develop hubs for interpretive experiences at designated gateways to the trail network and at existing facilities, such as Sully Historic Site, Cub Run RECenter and Historic Centreville, Poplar Ford, and Ellanor C. Lawrence Parks
BR-RI-9	Use recreation facilities as opportunities for interpretation through signage and exhibits (e.g. displays at Cub Run RECenter)
BR-RI-10	Provide adequate access and visitor amenities at key interpretive sites, such as trails and parking

Sully Woodlands Regional Master Plan

In 2006, the Park Authority Board approved a regional, watershed-based master plan for the Sully Woodlands Region. It is the intent that this master plan for ECLP incorporate and build upon its recommendations. Intended outcomes of the Sully Woodlands Regional Master Plan include several key themes:

- Establishing the Sully Woodlands as a premiere resource-based assemblage of parkland and an educational destination
- The development of a stewardship education center to facilitate visitorship and serve as a gateway to the region
- Natural and cultural resource stewardship
- Water resources and stormwater mitigation
- Recreational development, where appropriate
- Community-serving park development

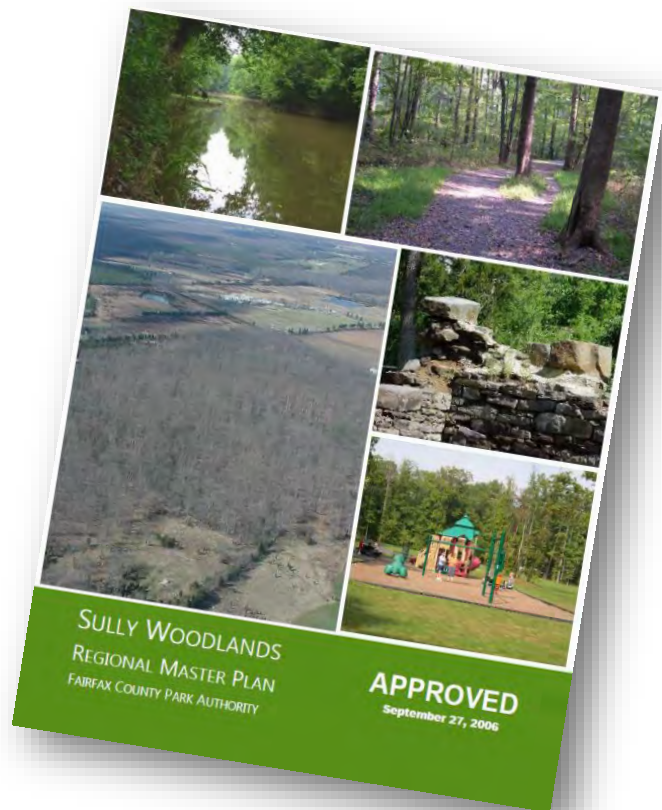
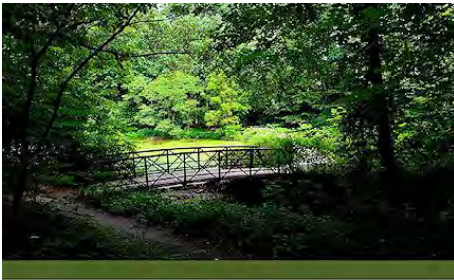


Figure 16: Sully Woodlands Regional Master Plan, 2006

Parks and Recreation Needs



Fairfax County Park Authority
Needs Assessment
April 2016



Figure 17: Fairfax County Park Authority Needs Assessment, 2016

The Park Authority assesses the need for parkland and recreation facilities through its long-range planning efforts. Needs are established through a variety of measures including community outreach, surveys to assess county citizen recreation demand, and benchmarking with peer jurisdictions both locally and nationwide. Demand is then compared to a detailed inventory of available facilities and projected population growth to identify the current and projected need for parkland and facilities.

As part of the Needs Assessment process, the Park Authority Board adopted countywide service level standards for parkland and park facilities. The recommended service level standards consider all publicly provided parks and facilities, of which the Park Authority is one of many countywide providers. Therefore, it is generally assumed that the Park Authority will provide less than 100 percent of the total public inventory.

Park System Element	2016 Recommended Service Levels		
Local Parks	5	acres per	1,000
Playgrounds	1	site per	2800
Outdoor Sport Courts (basketball/tennis)	1	court per	2800
Skate Parks, Neighborhood	1	site per	50000
Dog Parks, Neighborhood	1	site per	86000
District & Countywide Parks	13	acres per	1000
Indoor Gyms	0.25	SF per	person
Diamond, Baseball 60 ft Fields (Youth)	1	field per	7200
Diamond, Baseball, 90 ft Fields (Youth & Adult)	1	field per	24000
Diamond, Softball 60 ft Fields (Youth)	1	field per	8800
Diamond, Softball, 65 ft Fields (Adult)	1	field per	22000
Rectangle Fields (All)	1	field per	2700

The Needs Assessment purposely excluded resource-based parks and ECLP from its analysis as they are based on resource location and connected networks rather than the county's resident population. However, the park's active recreation area is heavily used and provides little opportunity for expansion to meet additional recreational needs within the area.

Existing Conditions

Park Context

In addition to assessing area-wide needs, park planning efforts must also evaluate proposed park development within the context of the existing community. An understanding of the surrounding neighborhood helps provide a framework to visualize potential development within the park.

Adjacent Development



Figure 18: Residential and Commercial Development around Ellanor C. Lawrence Park with 2017 traffic signals along Route 28.

ECLP is located at a key transportation and suburban center within the county. Apart from office development to the north, the park is surrounded by single family residential development built in the 1970s and 1980s. The Westfield Village Apartments abut the northwestern corner of the park.

The transportation corridors along Interstate 66 and Route 28 play a key role in how the public accesses ECLP and how staff manages its resources. A defining feature of the park's geography is the north-south Route 28 corridor which bisects the park. Interstate 66, while not directly adjacent to parkland, intersects with Route 28 along ECLP's southern boundary. Signalized, at-grade intersections are located on northbound Route 28 at Walney Road, and at southbound Route 28 at the park entrance to the active recreation complex.

Pending improvements along these corridors will impact access to ECLP and its management practices. Accordingly, Fairfax County Department of Transportation (FCDOT) and Virginia Department of Transportation (VDOT) worked closely with the Park

Authority during the master planning process. Proposed changes to park access are reflected in the ECLP Conceptual Development Plan and are designed to minimize impacts to the park's resources to the greatest degree possible. These transportation changes include the closure of the entrance to the active recreation area from Route 28; the extension of Poplar Tree Road across Route 28; and the creation of a new park entrance from the new Poplar Tree Road extension. This new entrance road would allow park patrons to enter the active recreation area from the north and provide bicycle and pedestrian access and new parking.

Nearby Schools and Park Network

Typical master plan analysis includes an evaluation of other parks and recreational facilities near the park being planned. Any given individual park is not expected to provide all types of park services and facilities; but, rather, be evaluated as a component of the surrounding park network. Within five miles of ECLP, over 70 Fairfax County parks help address the area demand for open space, athletic facilities, programming, natural and cultural resource protection and interpretation. Two locations, Rock Hill and Mountain Road District Parks, both approximately two miles from ECLP, will be the recipients of significant new recreational facilities. Nearby Loudoun and Prince William County Parks, and the Northern Virginia Regional Park Authority, also provide park experiences for area residents. While not maintained by the Park Authority, school and third-party athletic fields, playgrounds, and other recreational amenities help to address the same needs as the Park Authority.



Figure 19: Parks and Schools in proximity to Ellanor C. Lawrence Park

Natural Resources

Geography, Topography and Soils

ECLP falls within the Culpeper Basin, a geographic depression underlain by Triassic to Jurassic age sedimentary and igneous rock that is distinctively younger than the surrounding Piedmont Physiographic Province. The two major bedrock substrates of the Culpeper Basin are diabase and siltstone/sandstone, which weather to soils that can support unique vegetation and rare species of plants. Diabase is an intrusive, basic metavolcanic rock that occurs in irregular dikes, stocks and sills throughout the basin. Diabase-derived soils are present in one small area of the park (Sycoline-Kelly Complex). Much of the park contains siltstone/sandstone-derived soils of numerous types.

The Culpeper Basin is characterized by relatively low relief and gently rolling to nearly level topography, with upland plateaus and slow-moving streams. ECLP contains features like these, particularly in the northern half of the park. The southern half of the park is dominated by Big Rocky Run, and the forests running along this stream are steeply sloped in some areas. The high point of the park is at 370 ft. elevation in the northeast corner at Walney Park Drive. The low point of the park is at 224 ft. elevation in the southwest corner of the park along Big Rocky Run, just before the stream exits the park and flows west under Braddock Road. Slopes in the park vary from 0% to more than 25% grade.

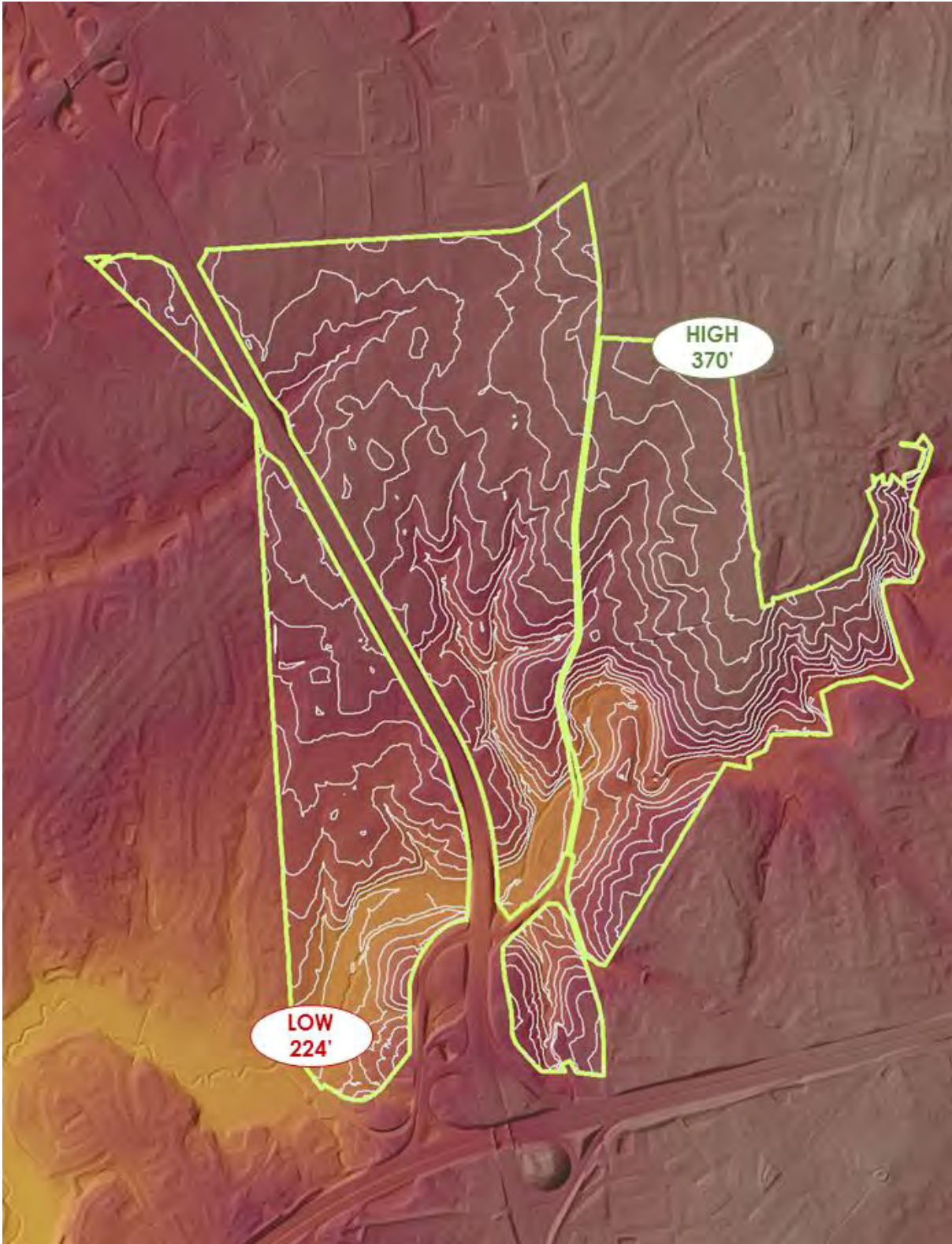


Figure 20: Elevation Contours

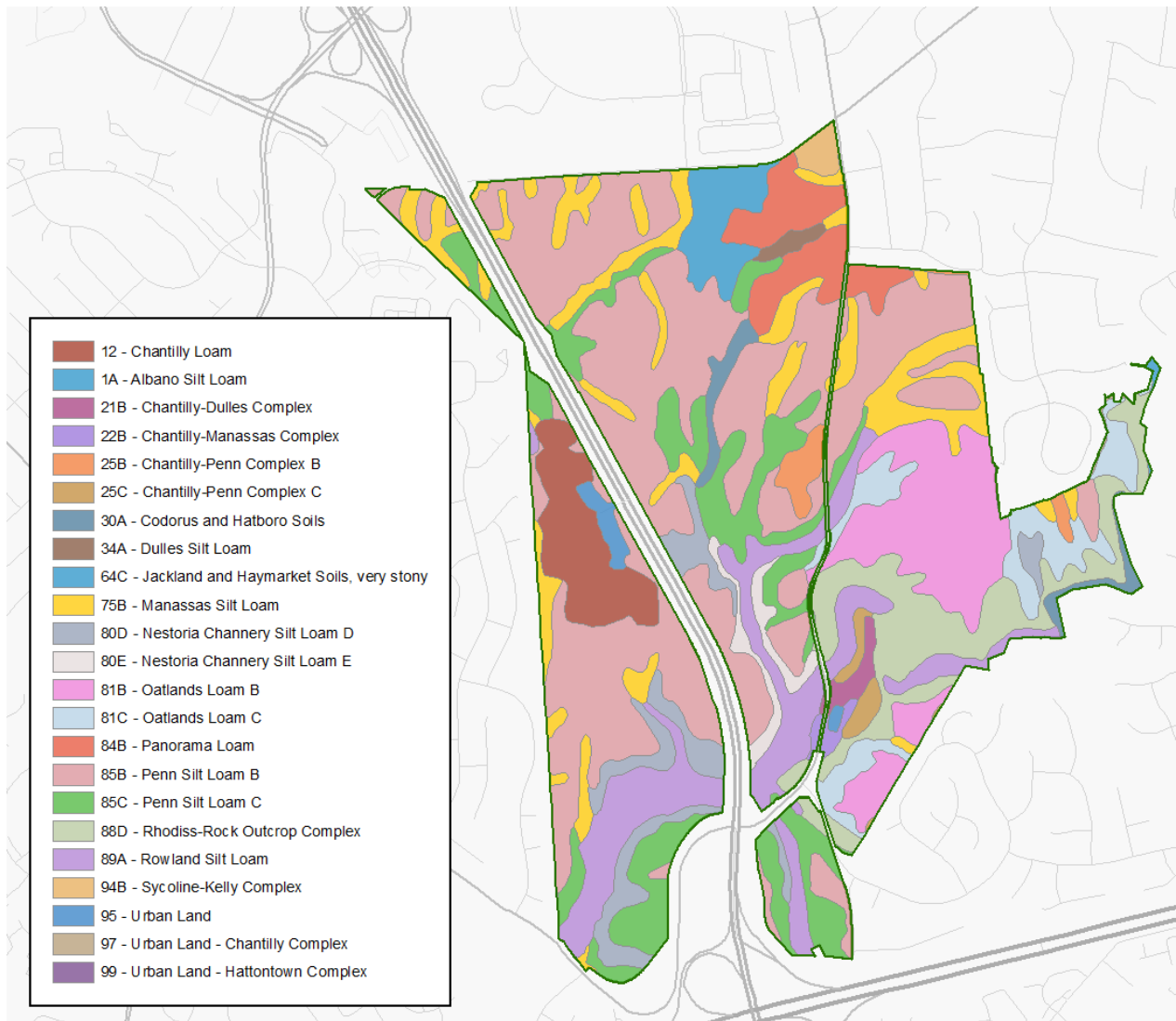


Figure 21: Soils at Ellanor C. Lawrence Park

Hydrology

ECLP lies within the Cub Run watershed, which discharges to the Occoquan Reservoir and then to the Chesapeake Bay. The Occoquan Reservoir supplies drinking water to areas of Fairfax County and other local jurisdictions.

There are several major water features within the park, most notably Big Rocky Run. Big Rocky Run originates near Fair Oaks Mall and the Fairfax County Government Center and flows southwest through the developed suburban areas of Fair Lakes and Centerville before entering the park. Big Rocky Run flows westward through the southern half of the park. Significant stormwater runoff from development impacts Big Rocky Run leading to bank erosion, channel widening, silt deposition,

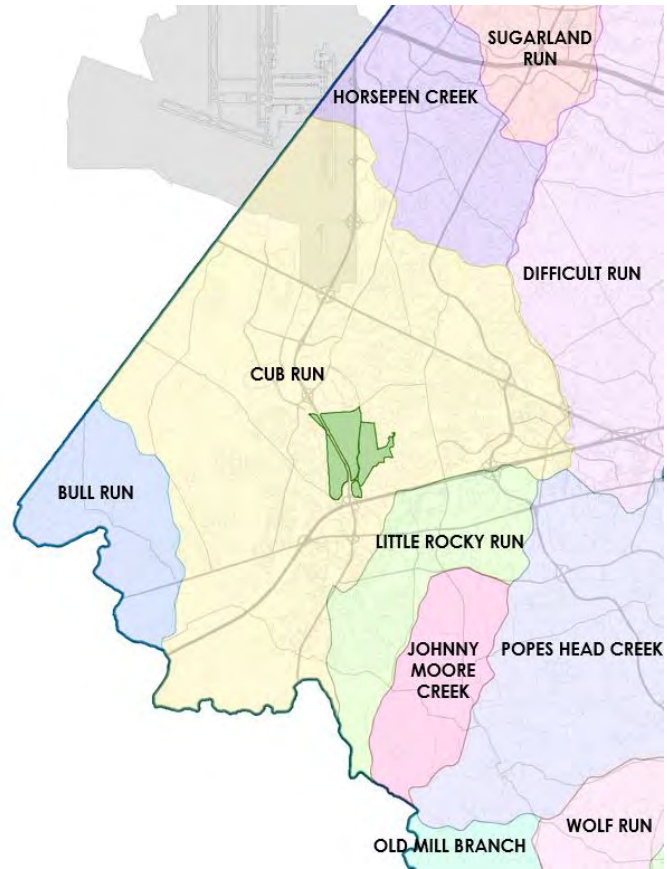


Figure 23: Watersheds in proximity to ECLP



Figure 22: Chesapeake Bay Resource Protection Areas (RPA)

non-point source pollution and temperature change. A variety of citizen water quality monitoring events take place along Big Rocky Run throughout the year, focusing on the assessment of benthic macroinvertebrates. Although the creek supports a high number of fish species, the variety and quantity of benthic macroinvertebrate organisms are few, and the aquatic community is considered impaired by the United States Environmental Protection Agency (USEPA). Additionally, the stream has shown bacterial impairment, resulting in an impaired classification for recreational use. The portion of the stream in the southwest corner of the

park between Virginia Route 28 and Braddock Road was restored by the Department of Public Works and Environmental Services in 2014.

Walney Creek, in contrast, is contained entirely within the park and is characterized by forested headwaters that are relatively free from development and human disturbance; accordingly, it has a generally high water quality. Walney Creek is an ecologically healthy aquatic system that supports a variety of sensitive species at different trophic levels, including benthic macroinvertebrates rarely found in Fairfax County.

Roundlick Run flows westward across the northern section of the park, entering the park from a stormwater management pond adjacent to Walney Road in the Poplar Park neighborhood. The stream flows through a culvert under Walney Road and there is erosion along the banks at various points as it passes through the Transcontinental Gas Pipeline easement. At lower elevations, the stream forms braided depressions. This area was identified for minor repair during 2014. The planned restoration elements could be built within the stream at a later date.

Walney Pond is a one-acre man-made containment pond that was first excavated in the 1950s. As part of the rural landscape, for many years it was used as a local fishing hole and sometimes for ice skating. By the early 1990s, the pond had filled in with sediment from the surrounding developments. The pond was drained in conjunction with a sewer line replacement project in 1995. The Park Authority took advantage of this opportunity to remove accumulated sediments and re-grade and reshape the features. A variety of native aquatic and emergent plants, shrubs, and trees were planted. Largemouth bass, channel catfish, and sunfish are stocked as needed. Additional special features include a picnic shelter, a boardwalk, two deck platforms, nest boxes, and informational and interpretive signs. A marsh-like setting exists in the shallow end of the pond. With periodic renovations, Walney Pond should continue to serve the community through provision of wildlife habitat, surface runoff control, environmental education and recreation, adding to the overall landscape of the park.



Figure 24: Primary Water Features at Ellanor C. Lawrence Park

Vegetation and Natural Communities

The vegetation of ECLP has been well-studied through various inventories and special projects over the years. In 2013 a Forest Stewardship Plan was prepared by the Virginia Department of Forestry which included a forest stand delineation based on *Forest Cover Types of the United States and Canada*. A Natural Vegetation Community Classification was conducted by a vegetation ecologist of the Park Authority's Natural Resources Branch (NRB) in 2016, using the *Natural Communities of Virginia, 2nd Approximation* standard. These studies informed the creation of Resource Protection Zones further described in this document's Conceptual Development Plan.

Approximately 592 acres of the 650-acre park is forested. Most of the forest is relatively young, dating from the late 1940s to early 1950s. On the 1937 historic aerial imagery of Fairfax County, much of the park is visibly utilized as cropland, with some forested stands located along the northern and southern borders.



Figure 25: Typical Forested Area of ECLP

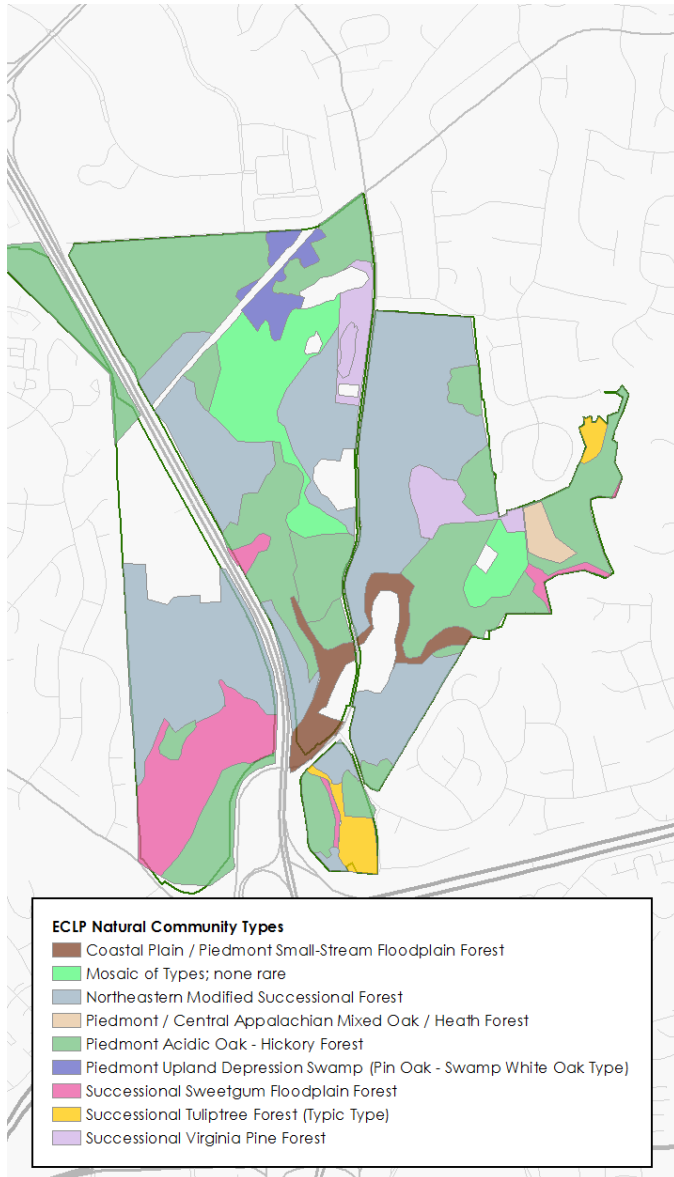


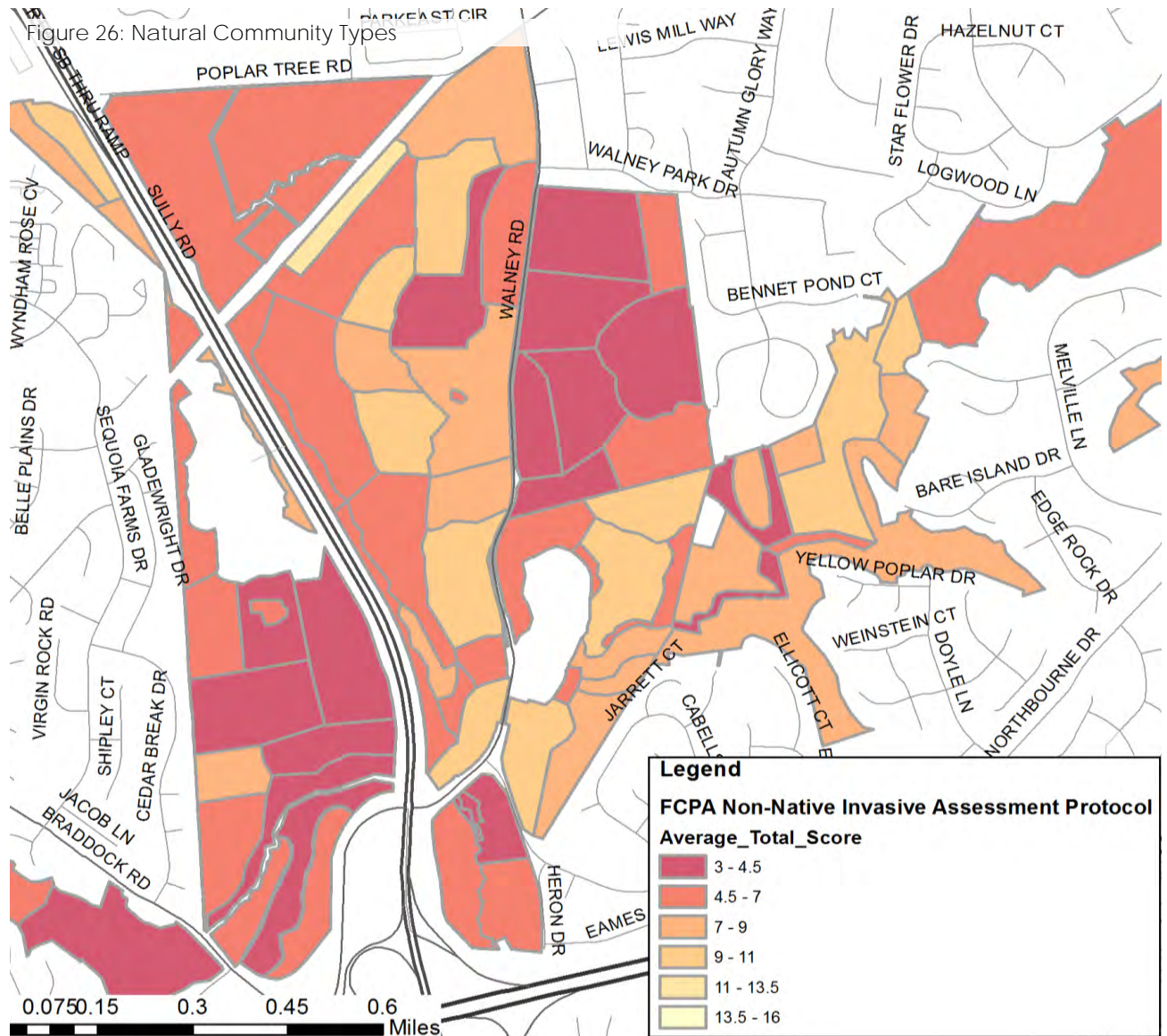
Figure 26: Natural Community Types

The primary forested natural community within the park is Piedmont Acidic Oak-Hickory Forest. Acidic Oak-Hickory Forests are widely distributed throughout the Piedmont of Virginia, occurring over well-drained acidic upland soils deriving from siltstone. Dominant tree species include white oak (*Quercus alba*), black oak (*Quercus velutina*), northern red oak (*Quercus rubra*), southern red oak (*Quercus falcata*), mockernut hickory (*Carya tomentosa*) and pignut hickory (*Carya glabra*). In the Forest Stewardship Plan, these forests are classified as type 52 – White Oak – Black Oak – Northern Red Oak or type 53 – White Oak, and include stands A, C, H, I, J, K and O. Much of the rest of the forest in the park is classified as Northeastern Modified Successional Forest. These modified stands typically contain more non-native invasive species than other areas of the park, resulting in lower overall habitat quality. These areas contain portions of the Acidic Oak-Hickory natural communities but are dominated by, or have a strong component of, red maple (*Acer rubrum*), tulip poplar (*Liriodendron tulipifera*), Virginia pine (*Pinus virginiana*), sweetgum (*Liquidambar*

styraciflua), black cherry (*Prunus serotina*) and dead or dying white ash (*Fraxinus pennsylvanica*). In the Forest Stewardship Plan, these forests are mainly classified as type 108 – Red Maple, and include stands B, F and L.

One natural community type occurring within the park is considered rare and of conservation concern: Piedmont Upland Depression Swamp (Pin Oak – Swamp White Oak Type). This community typically forms over clay hardpan, with shallow, seasonal flooding induced by perched water tables during the winter and spring months. This community type is located along Roundlick Run at the northern end of the park. The Transcontinental Gas pipeline easement bisects the natural community.

Other natural community types found within the park include: Coastal Plain/Piedmont Small-Stream Floodplain Forest, Piedmont/Central Appalachian Mixed Oak/Heath Forest, Successional Sweetgum Floodplain Forest, Successional Tuliptree Forest (Typic Type) and Successional Virginia Pine Forest. There are also several managed meadows in the park that are kept open through prescribed burning and mowing on a semi-annual basis. Such actions are prescribed to reduce woody vegetation (both native and invasive) and promote native warm season grasses and forbs.



The condition of the park's natural communities ranges from good to poor, with non-native invasive plants and overbrowse by white-tailed deer posing two major threats to long-term forest health. The park was assessed for non-native invasive plant impacts in

2012 using a multifaceted scoring system developed for the Park Authority in 2009 (see Biohabitats ISM, 2009, *Fairfax County Non-Native Invasive Plant Assessment (NNIAP)*). Higher scores represent areas that are less impacted by non-native invasive plants and have a higher likelihood of restoration and improvement with regular treatment.

Twenty-seven permanent survey plots have been established within the park to measure browse by white-tailed deer and analyze change over time. Five browse plots were initially established in 2010, with 22 more added in 2013 as part of the Helping Our Land Heal pilot study. In 2015 and 2016, all 27 plots were re-surveyed.

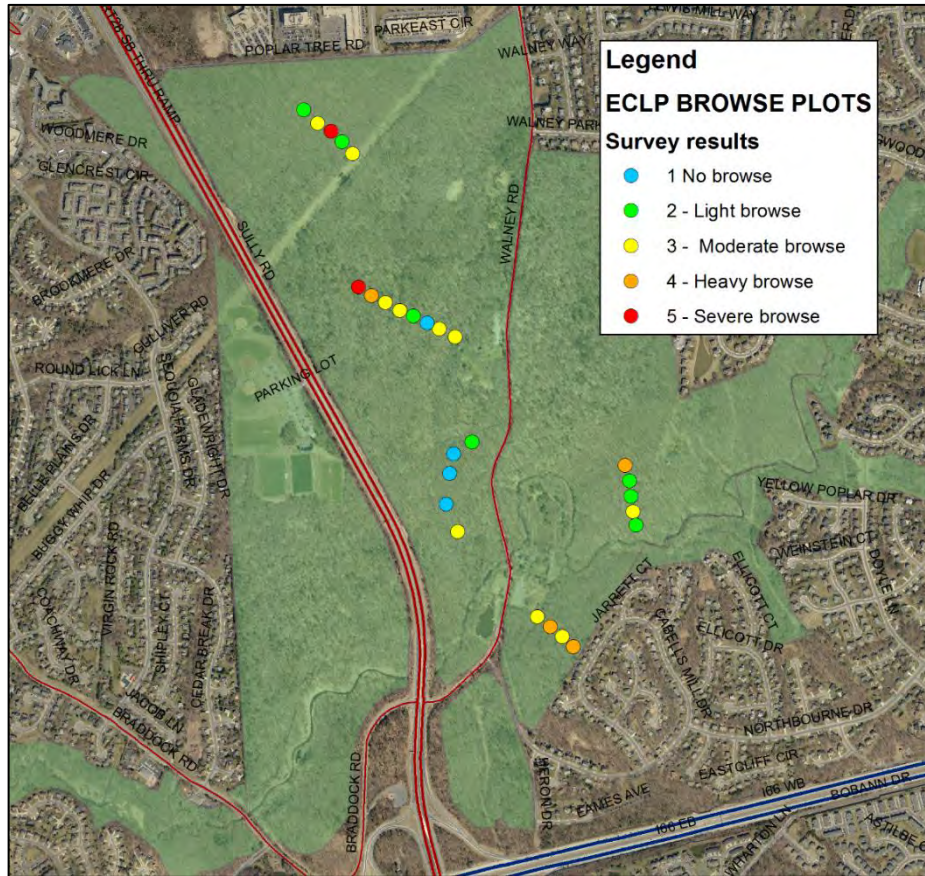


Figure 28: Browse Impact Survey, 2016

Analysis (Wilcoxon Signed Rank Test for non-parametric paired data) showed a statistically significant improvement in browse levels at the 27 plots between 2013 and 2015, when an intensive sharpshooting operation was implemented at the park. Of the 27 plots, 15 percent had the same levels of browse in both years and 85 percent showed decreased levels of browse from 2013 to 2015. No plots demonstrated higher browse levels in 2015 than in 2013.

Between the dates of these two browse surveys, 147 deer were removed from ECLP via sharpshooting and archery. The 2016 survey data has not yet been analyzed.

“Helping Our Land Heal” Pilot Forest Restoration Study



From 2012-2015, ecological restoration and natural resource management work was carried out at ECLP using capital improvement funds and other funding sources. The project goals were to 1) promote the natural regeneration of native species, 2) to limit the negative impacts of humans, white-tailed deer and non-native invasive species in the park, and 3) to develop practices and processes that can be replicated by other land managers. Over twenty hands-on restoration practices were

implemented at the park to meet project goals, including forestry treatments, invasive plant control, targeted deer management, soil treatments, and natural disturbance regime reintroduction (see Williams, Owen, 2015, *Helping Our Land Heal Final Progress Report*, prepared for the Fairfax County Park Authority).

Wildlife

ECLP exists as a natural refuge within a highly-developed region of northern Virginia, providing stopover and breeding habitat for numerous species of birds, mammals, reptiles, amphibians and insects. Species lists have been compiled for various groups of animals observed within the park and are kept on file with the Natural Resource Management and Protection Branch.

Birding is a popular pastime at the park, as well as an interpretive focus for park programs. Avian biodiversity at the park is high due to the numerous habitat types, the overall size of the park and the availability of food and shelter. The national e-Bird database compiled by recreational birders lists 128 bird species for the park, while park staff have compiled a list of 136 species. Wild turkey is a common sight for park visitors, including flocks of young. Ten birds of prey and twenty-six wood warblers have been observed.



Figure 29: Bluebird boxes near Walney



Figure 30: Coyote seen on an infrared game camera, 2013

Mammal diversity is high within the park. Common species include white-tailed deer, coyote, beaver, eastern gray squirrel, chipmunk, raccoon, meadow vole, woodland vole, short-tailed shrew, southern flying squirrel, woodchuck, muskrat, white-footed mouse, eastern mole, eastern cottontail rabbit, gray fox, red fox, big brown bat, eastern red bat, little brown bat, and tricolored bat (see section below on Rare, Threatened and Endangered Species). Coyote are frequently observed on infrared game cameras placed in the park for long-term monitoring.

White-tailed deer are a common native species to northern Virginia, but have become overabundant due to increased food availability, low predation and low hunting pressure. A public safety risk from overabundant deer is increased deer-vehicle collisions. Park ecologists are also concerned about the long-term forest health, as deer consume most native woody plant species and can destroy the forest understory through overbrowse. The loss of understory plants results in trophic cascade effects including a loss of insects and birds. An adult deer typically consumes 3-5% of its body weight in plant matter each day.

At ECLP deer are managed for population reduction using two management methods: archery and sharpshooting. Sharpshooting was conducted by the Fairfax County Police Department nearly annually from 2000-2010. Vendor-contracted sharpshooting, using a slightly different strategy, was also implemented by the Park Authority from 2013-2015 as part of the Helping Our Land Heal pilot study. Archery hunting was first implemented in the fall of 2010, continued through 2013, and started again in the fall of 2015 through the present. The archery hunting season generally lasts from September to February in parks included in the Fairfax County Deer Management Program, which is overseen by the Fairfax County Police Department and Fairfax County Wildlife Biologist. Archery will likely be the preferred management method at this park in future years due to its rate of success in harvesting deer, its cost-effectiveness and excellent safety record. The park can also remain fully open during archery season, since hunting is considered a compatible park use with all the other planned activities including hiking. In contrast, sharpshooting can be more effective at lowering the deer population quickly, but it is more expensive, requires specially trained personnel and requires additional safety and notification measures.

Deer density estimates were completed at ECLP using camera trap surveys during 2014, 2015 and 2016. Each survey followed a standard protocol to capture pictures of deer using infrared triggered wildlife cameras, located over bait piles of corn during the

month of August prior to the hunting season. Each survey repeated the method identically so that population estimates could be compared to one another. Additionally, a forward-looking infrared (FLIR) survey was conducted by aircraft in 2014 to count deer on a specific night in the park during winter.

Survey Type	Dates	Estimated # Deer in Park
FLIR aerial survey	February 6, 2014	46-58
Baited camera survey	August 7-25, 2014	34.43
Baited camera survey	August 17-31, 2015	53.86

Table 2: Deer Density Estimates, 2014-2015

Herpetologists have documented numerous species of reptiles and amphibians at ECLP. For amphibians, these include seven species of salamanders: spotted, marbled, northern dusky, northern two-lined, three-lined, northern red-backed, and slimy; **American and Fowler’s toads; and five species of frogs: gray tree frog, green frog, American bullfrog, wood, and Pickerel frogs.** The diversity of amphibians speaks well to the health of the park. To support these species, there must be sufficient upland and seasonally inundated wetland habitat to support breeding and overwintering sites. Wetlands that support breeding amphibians should be a high priority for conservation and restoration.

For reptiles, twelve species of snakes and six species of native turtles have been confirmed in the park, with some of the most interesting being the Eastern hognose, Queen snake, and Eastern musk turtle. Sustained efforts by park staff have provided a long-term inventory of reptiles not typically available at other parks. There have been at least three introduced species of turtles found and removed. Major threats to these introduced species include harvesting turtles as a food source. Though clearly prohibited, this activity still occurs within the park. Snakes are also frequently killed out of fear, but are protected within the park, including the only venomous species in Fairfax County, the Northern copperhead.



Figure 31: Painted Turtle

Rare, Threatened and Endangered Species

The Virginia Natural Heritage Program (VANHP), within the Virginia Department of Conservation and Recreation, defines and maps the state's known locations of rare, threatened and endangered species and natural communities. Natural resources can be assigned multiple levels of rarity and endangerment, with designated status under the U.S. Endangered Species Act being the highest level of protection for a species. Other levels include VANHP's lists of rare species and natural communities in the commonwealth, which are updated every two years. Each species or community identified on these lists is provided a state and global rank of rarity. There are also species that are of more general conservation concern in the commonwealth, as identified by groups such as Partners in Flight (PIF) or Partners for Amphibian and Reptile Conservation (PARC).



Figure 32: Small-whorled pogonia (*Isotria medeoloides*)
Source: Wikimedia Commons

There are no species of designated status under the U.S. Endangered Species Act known to occur in ECLP. Suitable habitat for small-whorled pogonia (*Isotria medeoloides*) is present in the park, yet no formal surveys have been conducted for this species. However, the park has had many casual surveys by visitors and amateur botanists over the years, and no populations of this species have been identified. This species should be surveyed for prior to new land-disturbing activities in woodlands.

A population of purple milkweed (*Asclepias purpurascens*), ranked by the VANHP as state imperiled/globally secure (S2/G5), is found within the Transcontinental Gas Pipeline easement across the northern section of the park. The plant occurs at several locations within the mowed area of the

easement and was last surveyed by staff in 2013. In December 2015, the Park Authority entered a Memorandum of Understanding with the Transcontinental Gas Pipe Line Company, LLC ("Transco") to provide for the mutually beneficial control of vegetative growth within this easement. The Park Authority agreed to mow the right-of-way at least once annually to promote and preserve the flora, fauna and animal habitat within the easement while Transco retains responsibility for trimming woody vegetation.

The North American populations of numerous bat species are in sharp decline due to white-nose syndrome (WNS), a fungal skin infection first discovered in 2007 that is already responsible for



Figure 33: Purple milkweed (*Asclepias purpurascens*)
Source: Wikimedia Commons

over 1 million bat deaths. Many bats that were formerly common in our region are now facing endangerment. Bats documented by staff within in the park include big brown bat (*Eptesicus fuscus*), eastern red bat (*Lasiurus borealis*), little brown bat (*Myotis lucifugus*), and tricolored bat (*Perimyotis subflavus*). There are numerous other bat species likely to occur in the park and an inventory should be a focus of future survey efforts. Of the species known to occur, Little Brown Bat and Tricolored bat are both proposed as endangered in Virginia. Northern long-eared Myotis (*Myotis septentrionalis*) is listed as Threatened under the U.S. Endangered Species Act and is proposed as threatened in Virginia, but has not been identified in the park. As more and more bats are affected by white-nose syndrome, there is certainly the potential for federally- or state-listed bat species to occur within the park.

Cultural Resources

Connecting the community to the county's cultural resources is one of the core components to the mission of ECLP. Apart from the Transcontinental Gas Pipeline and the active recreation area, any areas of proposed ground disturbance within the park should first be evaluated for significance by professional archaeological staff. While the Walney and Middlegate complexes form the core of the park's historic context, numerous sites are present throughout the park, both identified and unidentified.

A brief description of the primary resources is provided below. Significantly greater detail can be found in the ECLP Cultural Landscape Report (CLR) prepared for the Park Authority in 2015 by Versar, Inc. and the various reports maintained by the Park Authority. These reports provide additional information regarding the management and treatment of the park's cultural resources and, in conjunction with park staff and Park Authority archaeologists and historic preservationists, forms the basis for the cultural resource recommendations in this master plan.



Figure 34: Archaeological Survey near Walney, July 2016.
Note Walney Road in the background.

Walney Area

Built in c. 1768 and enlarged in 1875, Walney House and its associated structures form this core area of the park. The Park Authority renovated the interior of Walney House in the early 1980s and the building currently serves as the park's visitor center and administrative headquarters. Farm outbuildings include the remains of a dairy, icehouse, ice pond, barn, burial plot, and possible slave cabins or other structures. Apart from the main house and a reconstructed smokehouse, all are in ruins and in various stages of preservation. The dairy is the best preserved while the foundations of the ice house are the worst. A Machen family burial site is reported in the vicinity; however, the known remains originally interred have been moved to the cemetery at St. John's Episcopal Church. Burial plots dating to the Browns' and Lewis' occupation of the property, as well as those enslaved people during these periods, may be present in the area; however, no cemeteries have been conclusively identified within the park. Outside of the Walney Complex, multiple remnant features are found within the park boundaries, such as the walls and fence lines associated with past agricultural activities.

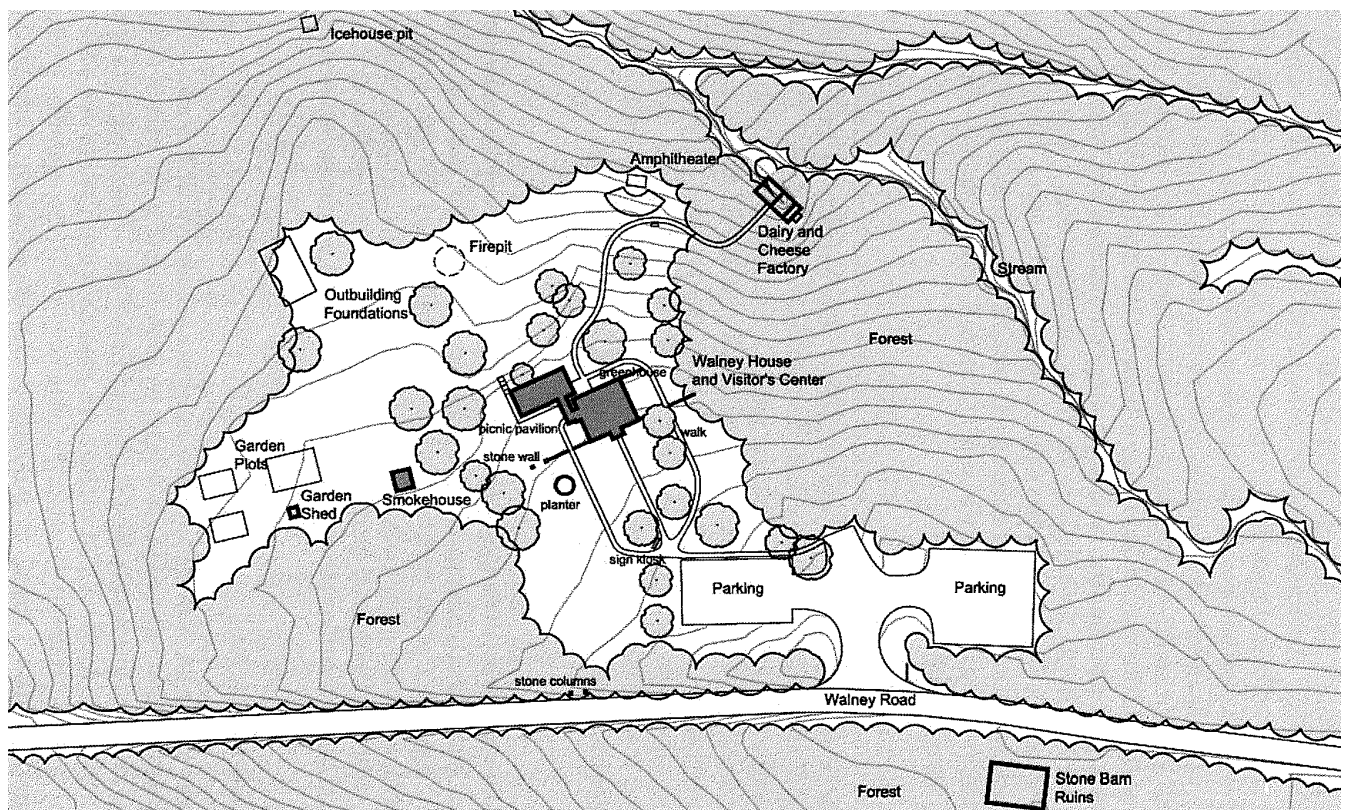


Figure 35: Walney/Visitor Complex as depicted in the park's 2015 Cultural Landscape Report

Middlegate Area

This complex consists primarily of the Middlegate House, Cabell's Mill, and the features associated with the house and mill. The house has undergone renovation over the years, most notably by the Lawrences who added a connected wing and stone breezeway in 1944. Associated frame buildings were refaced in stone, and stone retaining walls were added to the property.

Cabell's Mill has been the subject of renovation, although to a lesser degree than the Middlegate House. The basic structure remains an example of an early republic industrial building, common during the years 1790 to 1829. Supporting structures such as the wooden millrace connecting Big Rocky Run to the mill were removed during the Lawrence years. Some features remain, such as the 18th century bulkhead for a millrace along Rocky Run.

Walney Pond, originally created to serve the farm, is one of the more popular destinations within the park and provides a venue for recreation, natural resource interpretation, and relief from the suburban environment surrounding the park. The area has been



Figure 37: Learning about archaeology at ECLP, 2014

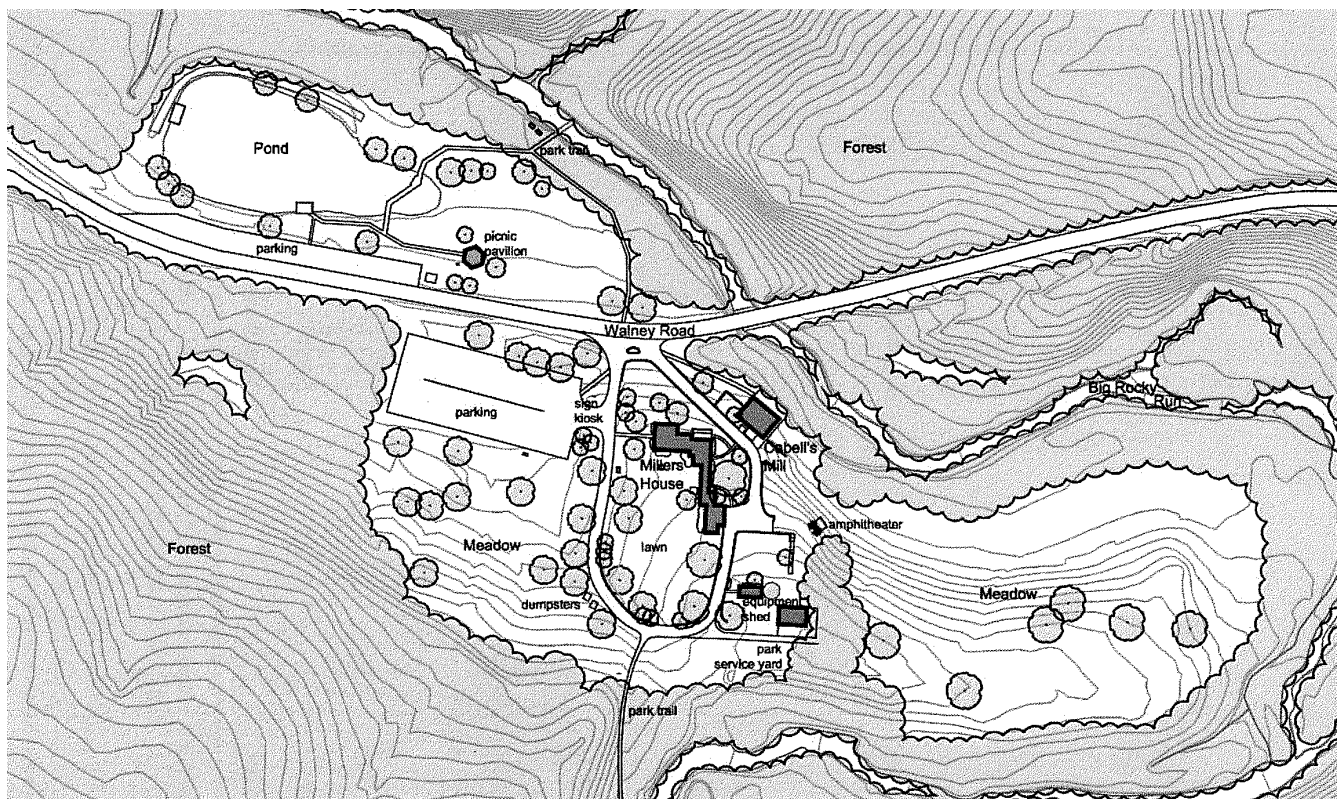


Figure 36: Middlegate area as depicted in the park's 2015 Cultural Landscape Report

improved with parking, a picnic pavilion, observation areas, and unpaved trails that connect to the broader park trail network.

Of note, the park contains numerous stacked stone walls, once used to delineate between properties and agricultural fields. One such stone wall along the park's eastern border on parcel 54-2 ((13)) F is adjacent to residential lots and, although the park boundary is marked with signage, regular monitoring is necessary to avoid encroachment and inadvertent alteration of this resource.

Archaeological Resources

As detailed in the ECLP management plans, the park contains many known and unknown archaeological resources. An inventory of known resources, cataloged with the Virginia Department of Historic Resources (VDHR) as of 2015 is provided below. Multiple other sites exist as documented by Park Authority staff. The park also contains multiple sites documented on the Fairfax County Civil War Sites Inventory.

VDHR Site	Description	VDHR Date Range	VDHR Survey Date
44FX0296	Farmstead	1800-1825	Sept. 26, 1980
44FX0297	Farmstead	1825-1874	Sept. 26, 1980
44FX0298	Farmstead	1875-1899	Sept. 26, 1980
44FX0350	Walney: dairy, dwelling, farmstead, military camp, military field hospital, other	1700-1799, 1775-1799, 1850-1874, 1876	Not entered
44FX0392	Stone-lined ice house	1850-1899	Oct. 3, 1981
44FX0393	Log shed (standing in 1981)	Not entered	June 10, 1981
44FX0396	Prehistoric lithic scatter	15,000 B.C. – 1606 A.D.	Feb. 20, 1981
44FX0536	Outbuilding	Not entered	May 10, 1982
44FX0537	Prehistoric lithic scatter/historical artifact scatter, and stone foundation	Not entered	April 16, 1982
44FX0543	Outbuilding/barn	1750-1799, 1800-1849	July 8, 1982
44FX0962	Informant-reported Civil War campsite (Union Army)	1850-1874	Sept. 1, 1985
44FX1018	Artifact scatter with Civil War component	1850-1899	March 1, 1986
44FX1019	Artifact scatter and informant-reported Civil War camp	1850-1899	March 1, 1986

44FX1556	Prehistoric lithic scatter	15,000 B.C. – 1606 A.D.	March 24, 1989
44FX1965	Late 18 th -early 19 th century dwelling, kitchen, and outbuildings; formerly within ECLP, now in VDOT right-of-way	15,000 B.C. – 1606 A.D., 1800-1899	June 23, 1992
44FX2039	Prehistoric fish dam, linear arrangement of stacked stone	15,000 B.C. – 1606 A.D.	Sept. 17, 1993
44FX3457	Prehistoric lithic scatter	15,000 B.C. – 1606 A.D.	Sept. 11, 2009
44FX3459	Demolished barn remains	1775-1799	Sept. 11, 2009

Table 3: VDHR-documented archaeological sites within the park

Athletic Fields and Active Recreation Area



Figure 38: Active Recreation Area, Existing Conditions, 2017

ECLP contains active and passive recreational features. The active recreational features are clustered in the west-northwestern section of the park separated from the larger park area by Route 28. The active recreation area currently is developed with the following amenities:

- Two grass rectangular fields
- Two lighted artificial turf rectangular fields
- Three diamond fields (1 – 90' & 2 – 60'), of which two are lighted, including the 90'
- Playground with two structures
- Public leaf and woodchip mulch bins
- Two basketball courts
- Exercise station course
- Four open play areas

Resource-based and Interpretive Amenities

In addition to the athletic field complex, park visitors may recreate at specific locations within a natural setting. Existing amenities include:

Picnic Pavilion: Picnic facilities are located at Walney, and a rentable **26' diameter** pavilion with capacity for 30 is located adjacent to Walney Pond.

Outdoor Amphitheater: The **16' x 20' electrified** stage includes bench seating for 125+. This rentable facility is located behind Walney House.

Small Amphitheater: A second amphitheater with a **10' x 14' wide** wooden stage and basic seating on stone for 35 and wooden benches for an additional 16 for a seating total of approximately 46 people. There is an accessible pad as well. This is used by site staff for interpretive programming, including camps.

Trails: Trails of mixed surface types cover over 4.9 miles with 14 bridges and 21 benches. Biking is only permitted on the Walney Road trail which is 0.6 miles long and the trail leading from the Middlegate area to the Big Rocky Run trail toward Stringfellow Road to the east.

Park Benches/Memorials: Multiple park benches provided throughout the park and along the trail network provide resting areas for the park's patrons. Many of the benches have been dedicated in honor of loved ones by members of the community. These benches vary in construction material and appearance.

Walney Pond: Constructed as a farm pond in the 1950s, Walney Pond is **1.3 acres** with **two 20'x12' platforms** and a **95' boardwalk** consisting of Terex. A fully accessible asphalt trail surrounds the pond with a few benches along the trail. Parking at the pond includes two accessible parking spaces and (based on a total of 410 linear feet), an estimated total of 46 additional parking spaces: 16 on asphalt, 21 on gravel, and approximately nine on dirt. These spots are all used by the public daily.

Waysides and Kiosks: Interpretive waysides are a primary feature of the park's educational and resource interpretation mission. Located at key points of interest, these kiosks are an opportunity to share the park's rich natural and historical narrative with the public.

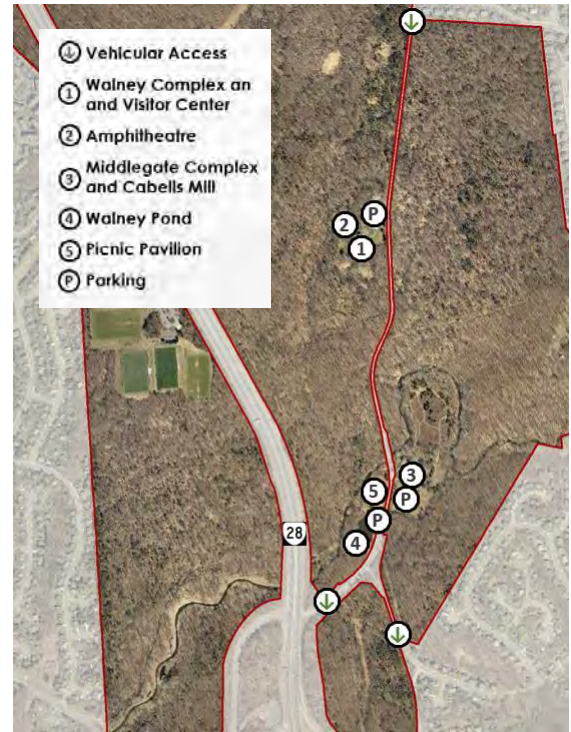


Figure 39: Walney and Middlegate Complexes and Existing Amenities



Figure 40: A typical interpretive sign

Utilities

Typical of most areas within Centreville, the park is served by various public utilities.

Gas/Heating: Propane provides the primary heating source at the park. Middlegate House has radiator heat that is fueled by a propane gas boiler. The propane tank is buried in the east lawn. Walney House is heated by a propane fueled furnace. The tank is buried in the northeast lawn.

Electric: All buildings are supplied by Dominion Electric through an above ground line that originates in the southeast section of the park and runs north to a terminus at Walney. The electric right-of-way follows Walney Road.

Water/Sewer: The potable water line for the Middlegate area originates in the neighborhood to the east, which is where the meter is located. A line of approximately 600 feet travels into the buildings from the east along the Big Rocky Run Trail and across the lawn. The waste water falls into the county sewer line that has a right-of-way that runs through the small meadow, across Walney Road through the pond parking lot, then below the pond dam and across Big Rocky Run and continues southwest along Big Rocky Run through the park until it reaches Braddock Road.

Fresh water reaches Walney from the north along Walney Road and the building has a sewage tank and grinder that moves waste water upgrade to Walney Road to join the gravity feed sewer system.

Transcontinental (Transco) Gas Pipeline: Williams Gas Pipeline maintains the major east coast gas feeder line that travels through the park. This right-of-way travels in an east/west orientation through the northern section of the park. In 2016, the Park Authority entered a Memorandum of Understanding (Attachment A) with Transco for the maintenance of the right-of way.

Communications: All buildings have serviced lines for phones and alarm/monitoring systems. All phone lines are above ground using the same poles as the electric service. The Middlegate offices have a cable line to service computers and telecommunication. It travels along the pole line from the southeast section of the park.

Access and Circulation

Vehicular Access and Public Transportation

Vehicular Travel: Most visitors to the park arrive by private automobiles. The entrance to the Walney Visitor Center is located off Walney Road. The access to Walney Road from Route 28 was restricted to only north-bound traffic in 2007; however, at the time of this writing, the configuration of that intersection is expected to **change with VDOT's planned** improvements to the Route 28/Interstate 66 interchange. Patrons traveling south-bound on Route 28 must exit at the Westfields Boulevard overpass, make a right turn on Walney



Figure 41: Parking lot at Walney

Road and continue to the park. Route 28 is a major limited-access highway off Route 66 and is the connector between Route 66 and Dulles Airport. Continued work to improve and maintain traffic flow on Route 28 may change the way visitors access the park within the next several years.

Parking lots are located at Walney Visitor Center, the Middlegate/Cabell's Mill complex, at Walney Pond, and at the active recreation complex. Walney has two gravel parking lots with spaces for 50 and 40 cars each. Overflow parking can be found on the lawn to the east and south of the house. Middlegate has a gravel lot that can hold around 70 cars. The lot next to the pond can hold a total of 46 cars. The active recreation complex contains paved parking for 271 cars.

Public Transportation: No bus routes pass directly by the Visitor Center. The closest Metrobus / Fairfax Connector bus routes are 632 & 640 that touch the northeast corner of the park at or near the Walney Road/Poplar Tree Road intersection. Route 640 requires a rider to walk from the stop on the opposite corner of the intersection across from the park and continue along the Walney Road Trail through the park to the Visitor Center, which is a 0.6-mile trip. Route 632 stops at Walney Road and Eagle Chase Road which is an additional 0.6 miles north on Walney Road. Both routes provide service daily, but times vary from weekday to weekend service.

A Metrorail station (Washington Metropolitan Area Transit Administration, WMATA) is scheduled to open to passengers in the median of the Dulles Airport Access Road just east of Route 28 in the future. This station will be along the route extending the Metrorail's Silver Line to the airport. It is assumed that Metrobus routes will connect to

this rail station, but the distance to the park will probably not make Metrorail an attractive way for people to access the park on its own.

Pedestrian Access and Trails

There are no sidewalks or trails along Walney Road or Route 28 to provide access to the park. Pedestrian access is through neighborhood sidewalks that lead to multiple trailheads and allow the public to walk along natural surface trails to the Walney Visitor Center and to the athletic field complex. There is a bluestone and gravel trail along Walney Road that provides access for cyclists to the Visitor Center via the intersection of Walney Road and Poplar Tree Road. At present, Walney Road is not safe for walking or cycling.

There is a possibility that VDOT roadway changes to the Route 28 and Route 66 corridors will require the addition of pedestrian and cycle access. In addition, VDOT plans to extend Poplar Tree Road as an overpass across Route 28 to the west of the park along its northern edge. Once realized, it would allow access to both the east and west sides of the park from the surrounding neighborhoods.

The County's plan for the West County Trail includes a route along the west, north, and eastern edges of the park. With VDOT's planned changes to the Route 28 corridor, there may be an opportunity to change the trail route to direct its traffic along Walney Road or through the Big Rocky Run stream valley as it connects to the Big Rocky Run Trail and continues out of the park to the east.



Figure 42: Trail near Bennet Pond Court

Administrative Area

Acquired by the Park Authority in 2006, a residential property is located at the end of the historic Hackley's Road on Parcel 54-2 ((1)) 3A. The contemporary-styled house was built in 1988. The 2015 Cultural Landscape Report recommends that, although current circulation and road conditions prevent park administrative use requiring heavy traffic, storing park collections or similar adaptive reuse should be considered to free space utilized in more visible areas of the park. Its condition makes it a viable option for a future support role.

Existing Easements

ECLP is encumbered by numerous easements that allow for ingress and egress, stormwater and major utilities maintenance, and natural and cultural resources protection, as indicated on the graphic below.

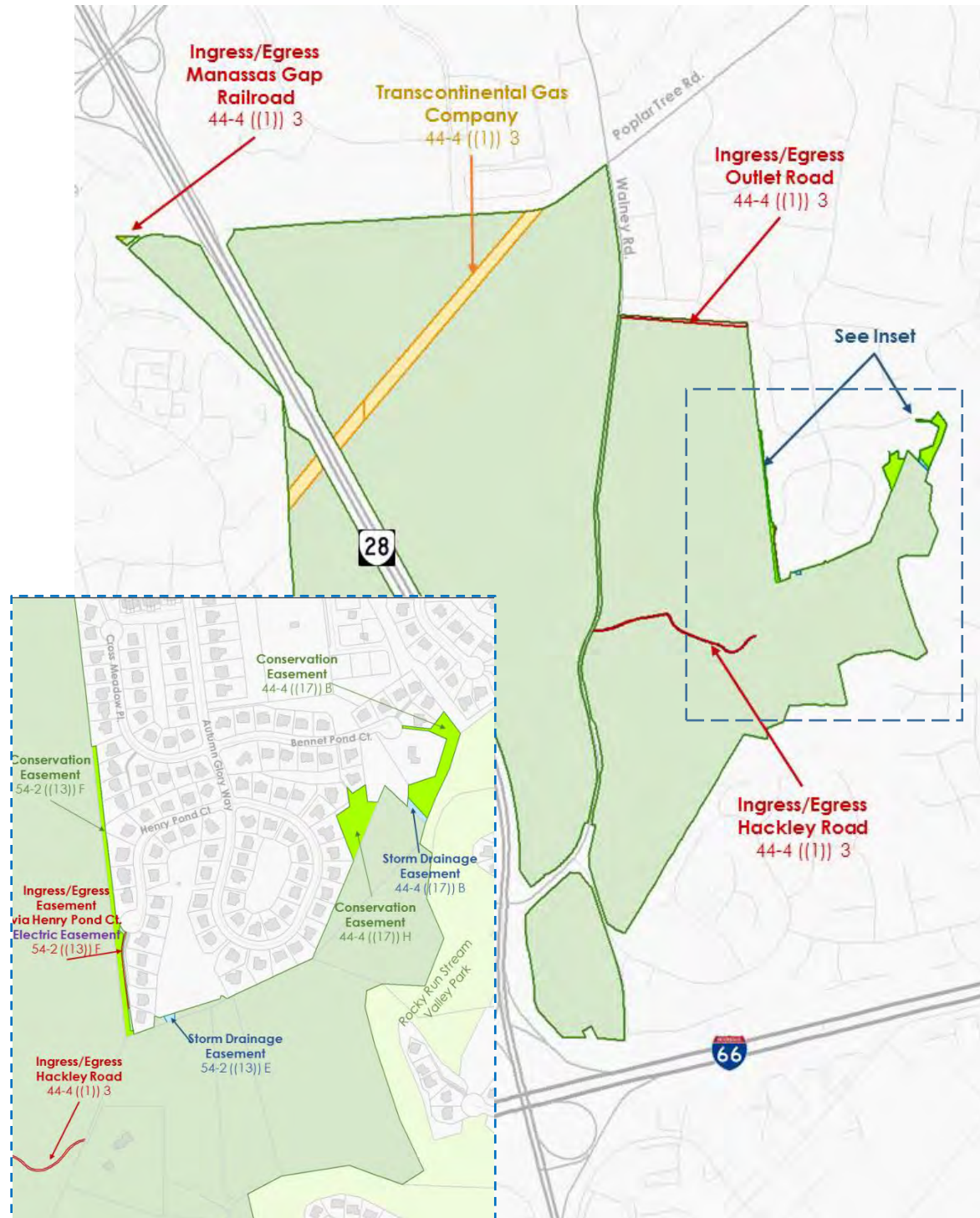


Figure 43: Existing easements at ECLP

Management Framework

Park Purpose and Management Objectives

To achieve the park's purpose and to preserve, protect, and interpret its unique resources, the following objectives should guide the operational and resource management of the site:

- Provide access to the natural and cultural resources as appropriate for the enrichment and education of the public.
- To preserve and enhance the natural and cultural resources of the park through active management following industry best practices.
- **Preserve, protect, and interpret the site's historic features at Walney** to include; the stone house, dairy, springhouse, smokehouse, barn yard, outbuildings, icehouse, dry ice pond, and surrounding landscape.
- **Preserve, protect, and interpret the site's historic features at the Middlegate complex** to include; the miller's residence, Cabell's Mill, stone walls and buildings, Walney pond, and the mill head race, swimming pool features, and fish weirs found along Big Rocky Run.
- Actively manage the forests, streams, pond, and meadows to optimize these habitats for native wildlife and migrant species.
- **Preserve, protect, enhance, and interpret the site's archaeological resources.**
- **Preserve, protect, enhance, and interpret the site's natural resources within a regional context.**
- Minimize the impacts from encroachments and the effects from transportation systems.
- Respect and enforce the deed restriction that stipulates the property shall be held open and preserved for public use and that the Park Authority as property owner must fight all attempts to take any part of the property as stipulated in David Lawrence's will.

Desired Visitor Experience

ECLP has a variety of historic structures and cultural history features set within a rich and diverse natural area, surrounded by suburban residential and business development and trisected by roadways. Despite being surrounded by development the park is connected to other parks within Sully District through stream valley corridors. The park contains stone buildings dating from the middle 1700s through the 1800s. This mix of dwelling features provides a unique opportunity to interpret the growth and expansion of western Fairfax County from both a residential and commercial view point. The following statements outline the desired visitor experience.

- Provide opportunities for visitors to enjoy the relaxation and health benefits from walking woodland trails and along streams.

- Provide trails that offer a respite from the built environment.
- Enable visitors to choose from a wide variety of interpretive programs and media.
- Provide interaction with the park's resources in a user-guided experience.
- Promote a safe and inviting events venue suitable for all ages.
- Encourage fishing and wildlife observation in multiple habitats.

At Walney, preservation, resource management, and interpretation efforts seek to create an authentic period experience that supports interpretation of the Machen Family's 1840 – 1900 period of ownership.

- Provide opportunities for visitors to experience cultural hands-on activities such as campfires, wagon rides, farm animal exhibitions, or historical reenactments.
- Promote interaction with interpretive staff for visitors to explore a natural or cultural history topic in a meaningful and memorable way.

At the Middlegate complex, preservation, resource management, and interpretation efforts seek to maintain the historic buildings and surrounding landscape within the context of the mid-20th century alterations made to the mid 1700's buildings by Ellanor & David Lawrence.

- Foster understanding of the resources held within parkland in the Sully District.
- Provide a unique setting for weddings, parties, and events that supports the event services expected from a county agency.
- Promote understanding of the Lawrence family and how they developed the Middlegate house and landscape, including the pond and meadows.

Active recreational use of the park is concentrated within the active recreation zone in the western portion of the park.

- Provide self-directed recreation and fitness activities.
- Enable participation in organized sports activities in safe and appropriately maintained facilities.

Current Management Areas

To aid in overall park management, staff has defined several areas that subdivide the park with respect to current land uses, management practices, and intended visitor experience.

Where current management practices are expected to continue for the foreseeable future, these areas have been refined and incorporated into the Conceptual Development Plan.

Visitor Orientation Area

This zone is currently centered around and within Walney house. Ideally this zone would move to the area near Middlegate to adhere to the recommendations of the park's Cultural Landscape Report, to coincide with the Sully Woodlands Stewardship Education Center planning and the Park Authority's long-term planning goals. This zone provides face to face contact with staff members, restrooms, a sales shop, and exhibits to orient visitors to the site's unique resources. This zone also is used as the primary first contact location for school groups, programs, and camps conducted at the park.

Active Recreation Area

This area is in the western section of the park, bounded by Route 28 to the east. This zone is actively managed by the Park Operations Division through the Area 5 Maintenance crew.

Natural Resource Features

The park's natural resource types are detailed in the park's various management plans that guide how specific resources are to be managed. The geographic locations of the features noted below were considered in the creation of the Conceptual Development Plan and informed the delineation of Resource Protection Zones. For simplicity, not all names have been retained, and in many cases, an RPZ encompasses multiple features.

- Middlegate Large and Small Meadows
- North Loop Meadow
- Transcontinental Gas Pipeline Linear Meadow
- Walney Pond
- Upland Forests
- Big Rocky Run Stream and Riparian Zone
- Walney Creek and Riparian Zone
- Roundlick Run and Riparian Zone

Cultural Resource Protection Zones

The Park Authority is charged with protecting and interpreting the multiple home and light industrial use sites scattered throughout the park. Management practices and site details are described in the park's Cultural Landscape Report, incorporated by reference. Key cultural resources include:

- Walney House and associated out-buildings and landscape features

As a general guide, all areas of the park, apart from the Transco gas pipeline easement area and the Active Recreation Area, are to be treated as cultural resource sensitive areas until future survey concludes otherwise.

- Cabell's Mill and associated walls and race works along Big Rocky Run
- Middlegate Miller's House and associated additions and landscape features.
- Hackley's Road and associated house foundations and landscape features to include; terracing, outbuilding ruins, and stoned springhead
- Civil War era fortifications, earthworks, and campsites
- At least two possible cemeteries located in separate locations within the park.
- The Britton House site
- The landscape features and associated outbuildings that were connected to the Brown Home site.
- The original route of Chantilly Road that runs through the park near or adjacent to Walney Road.
- Approximately 4,500 linear feet of historic stacked stone wall along the eastern boundary of the park.

Programming and Interpretive Management

Programming and interpretation of the park's resources and history are primary objectives of the management framework. To that end, staff conducts a robust interpretive program through exhibits, publications, waysides and signage, electronic media, and personal interaction with visitors. These opportunities provide a way to connect the public to the park and create memorable experiences.



Figure 44: Learning about wildlife at one of the park's many interpretive programs

Interpretive Goals

ECLP's Interpretive Plan, updated periodically, provides a basis for the park master plan and serves to integrate the park into the Sully Woodlands Region. The Interpretive Plan is a staff-developed document that guides the park's education and programming efforts. Specific interpretive goals incorporated into the master plan include:

- To promote stewardship of cultural and natural resources within ECLP and the region;

- To preserve and interpret Walney house and grounds, Cabell's Mill, the Middlegate complex, and all other park historic cultural features;
- To conserve and interpret the park's diverse communities of native animals and plants;
- To highlight the park's unique natural landscape and the changes caused by the last 270+ years of human activity; and
- To promote and expand community connectedness through park activities by connecting patrons, volunteers, partnership groups, advocacy groups, and other decision makers and stakeholders to the park's resources and interpreting their role in enriching the community.

Themes and Messages

To convey the importance of the park's history and its natural environment, the Interpretive Plan establishes multiple themes upon which to base the park's programming and interpretive efforts. These themes are reviewed and revised every five years. The master plan acknowledges these themes and generally identifies the most appropriate areas for public engagement on these topics. Specific themes include:

- Stewardship of natural resources preserves our natural assets and benefits everyone's community;
- Ellanor and David Lawrence took actions to allow the public to enjoy this unique place they were passionate about;
- The Machens left us a unique record of their lives on this land;
- Working with this land gave people a chance to define their own American Dream.

Measurable Objectives

Staff has developed a series of measurable objectives across each theme to accomplish the goals of its programs. These objectives are adjusted over time and are included in the ECLP Interpretive Plan.



Figure 45: Demonstrating colonial-era carpentry at the park



Figure 46: Campers sampling the water at Walney Pond

Conceptual Development Plan

Introduction

The Conceptual Development Plan (CDP) provides recommendations for future park uses, Resource Protection Zones, and facilities. The CDP contains descriptions of the proposed plan elements and design concerns and is accompanied by a graphic that shows the general location of the planned elements. A CDP for ECLP was approved with the 1978 master plan and updated with the 1991 master plan revision. This master plan again takes a comprehensive look at the park considering changing demographics, use patterns, and expectations, as well as **the park's** relationship to neighboring uses and how to best incorporate the property acquired since 1991.

Past CDPs have detailed specific facility types, quantities, and locations; in many cases, such as the location of historic buildings, this approach remains valid. Overall, the current CDP defines areas delineating compatible park uses and management practices. This broad approach allows for a greater **level of flexibility in meeting the public's need in the future**, and facilitates the use of the park's **specific** management plans to adapt to emerging trends and practices.

Development of the CDP is based on an assessment of area-wide needs and stakeholder preferences in balance with the existing site conditions and operational requirements. The scope of the master plan process does not include detailed site engineering; therefore, the CDP is conceptual in nature. Although reasonable engineering practices have contributed to the basis of the design, final facility location for the recommended elements will be determined through more detailed site analysis and engineering design that will be conducted when funding becomes available for the further development of the park. Final design will be influenced by site conditions such as topography, natural resources, tree preservation efforts, and stormwater and drainage concerns as well as the requirement to adhere to all pertinent state and county codes and permitting requirements.

The Ellanor C. Lawrence Park Conceptual Development Plan combines both cultural and natural resource protection with management of the built environment: facilities, historic structures, and planned amenities. This combined approach provides a single, streamlined source that provides staff and the public **with an overview of the park's** intended activities.

Management and development elements included in the plan are as follows:

- Active Recreation Area
- Core Interpretive Areas
- Stewardship Education/Visitor Center
- **Ellanor's Garden**, Walney Pond, signage, and other interpretive features
- Trails and Connectivity
- Forest and Meadow Resource Protection Zones (RPZs) Managed Meadow RPZs

Conceptual Development Plan

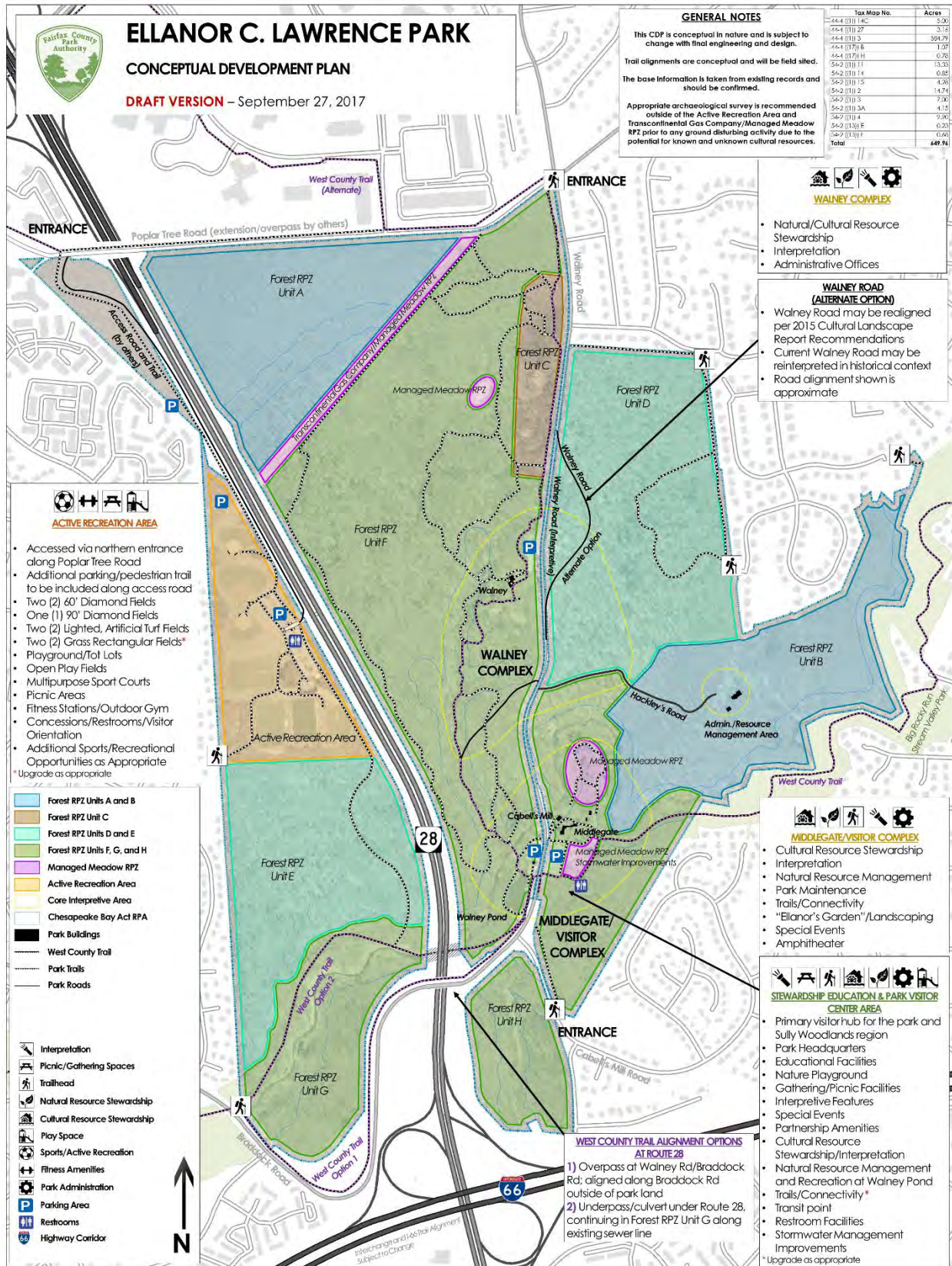


Figure 47: ECLP Conceptual Development Plan

Planned Management and Development Elements

Active Recreation Area

The Active Recreation Area, located west of Route 28, is reserved for active uses where athletic fields, sport courts, playgrounds, picnic areas, fitness stations, skating facilities, restrooms, and similar intensive recreational uses are most appropriate. This area faces challenges in terms of its lack of available land for expansion, and its limited access to pedestrian and vehicular traffic. The area is currently at capacity with little potential for future expansion. Accordingly, the Park Authority should consider meeting the need within the Dulles Suburban Center for additional athletic fields and facilities by placing such amenities at other parks in the vicinity. Additional parking, field upgrades, and traffic management should be considered without encroaching on the residential areas to the west and the environmental and cultural resources to the south.

Concurrent with the planned improvements to the Routes 66/28 corridor, VDOT has proposed to relocate the entrance to the Active Recreation Area. As Poplar Tree Road is extended to the north, a new park entrance would be constructed at the northwestern corner of the park and a road built to access the Active Recreation Area from the north. Parking along the access road, particularly approaching the Active Recreation Area, and an additional parking lot, should be considered and would serve to alleviate the demand for parking in the area's main lot. Pedestrian trails between the access road, parking areas, and recreational facilities, consistent with plans for the West County Trail, are appropriate.

Core Interpretive Areas

A key feature of the CDP, three Core Interpretive Areas are defined. A Core Interpretive Area, as used herein, is an area with a loosely-defined boundary whose key features include the park's built structures, known archaeological resources, interpretive elements, and areas where a high level of visitor traffic and overall activity is planned and promoted.

The 2015 Cultural Landscape Report recommended core areas at the Walney and Middlegate sites be developed as focal points for interpretation and restoration of the historic landscape. The boundaries of these areas as shown on the CDP are based on the CLR's recommendations, the presence of known cultural and natural resources, desired management activities, and expected visitor patterns within the context of this master plan as a whole.

In each Core Interpretive Area, the CDP proposes a variety of park uses that would be considered appropriate. This approach is intentional and is meant to provide park staff with flexibility in meeting the park's future needs. At the time of implementation, park staff should evaluate each option within the context of the core area, its impact on

cultural and environmental resource management, available access, desired visitor experience, and other such factors as determined by staff.

It is expected that the management objectives of the RPZs and Core Interpretive Areas complement each other. New facilities and activities are planned within the Core Interpretive Areas, and therefore also within the RPZs. Where conflicts arise, the Park Authority should seek innovative solutions in providing for the new uses while maintaining the overall objectives of the underlying RPZ.

Walney Complex

The Walney Complex is centrally located around the historic Walney homestead and its outbuildings and is bisected by Walney Road. Walney itself currently serves as the park's visitor, education, and administrative center. Due to the heavy visitor traffic in this area and its toll on the historic structure and grounds, the CDP envisions moving the most intensive uses to a new structure within the Middlegate/Visitor Complex to the south.



Figure 48: Walney

Walney's focus on cultural and natural resource interpretation, historic preservation, and limited park administration activities will continue. The existing parking lot should be retained to serve these uses, and park staff may consider its reconfiguration to ensure that it is sized appropriately for the site's future traffic volume.

As described above, the 2015 Cultural Landscape Report recommended multiple treatment options for the Walney Complex. One option is to realign Walney Road to consolidate the known resources east of the current Walney Road alignment. If realized, the Walney Complex's boundary may require adjustment to encompass this new area and provide for new interpretive opportunities.

Middlegate/Visitor Complex

The Middlegate/Visitor Complex is envisioned as the core visitor, education, and interpretive area for ECLP. Cultural and natural resource interpretation and stewardship will remain the focus of the complex, centered around the historic agricultural economy and life at Middlegate. **Cabell's Mill** is to continue its role in historic interpretation, preservation, and as an events venue. The Middlegate house will continue its administrative functions. As a primary activity



Figure 49: Middlegate

center, the complex is also suited for park maintenance storage or similar operational activities.

Administrative/Resource Management Area

The residential structure and its outbuildings at the terminus of Hackley's Road are the basis of the third core area. Per the recommendations of the 2015 Cultural Landscape Report, this area is not suitable for heavy traffic and use by the public, nor do these late 20th century structures contribute to the park's historical context. Storing park collections or similar adaptive reuse should be considered to free space utilized in more visible areas of the park.

Sully Woodlands Stewardship Education/Park Visitor Center

The June 1991 revision of the ECLP master plan proposed an environmental education center, conference center, and administrative offices to be located east of the Middlegate house. In addition, the adopted Sully Woodlands Regional Master Plan recommended the construction of a new, regional-scale stewardship education center that would serve as a gateway feature and an interpretation hub for the Sully Woodlands in western Fairfax County.

Considering these recommendations, the CDP recommends a Stewardship Education and Visitor Center to be located at ECLP. The new center would ideally be located within the vicinity of Middlegate to utilize the existing parking and amenities while supporting traffic management and pedestrian flow. **In addition, the Middlegate area was chosen for its natural setting and views which complement center's mission and enhance the visitor experience.** The proposed facility is to serve as a state-of-the-art interpretive center and will:

- Educate the public on the Park Authority's efforts to steward its natural and cultural resources;
- Enable research and resource management activities within Sully Woodlands;
- **Serve as the Sully Woodlands and ECLP's visitor center**, providing the first point of contact for many park visitors;
- Host special events, particularly those that advance environmental stewardship;
- **Serve as ECLP's headquarters and administrative center; and**
- Provide opportunities to work with professionals from educational institutions, specialty organizations, and others in a regional research facility and outdoor laboratory setting.

To further the goals for this facility, the CDP proposes ancillary, co-located uses such as outdoor, nature-themed play spaces, picnic and gathering areas, outdoor education spaces, connections to the park's trail network, visitor amenities, restrooms, and appropriate partnership support structures.

Access to the Stewardship Center will accommodate vehicular, pedestrian, and other forms of transit. For example, a bus stop should be considered to encourage public transit use. If needed, the Park Authority may consider expanding the existing parking at Middlegate to accommodate visitor volume. Connectivity to the park and regional trail networks should be an integral component of the site's access.



Figure 50: Nature-Inspired Playground Concept

Ellanor's Garden

As a tribute to Ellanor C. Lawrence's love of gardening, landscaping around Middlegate would interpret the site as maintained during the Lawrence's ownership. "Ellanor's Garden" would provide park visitors with a quiet respite from the surrounding development and may be suitable for partnerships with gardening organizations or similar groups.

Walney Pond

Anecdotal evidence and community survey describe Walney Pond as one of the most visited, relaxing, and memorable features of the park. As such, the tranquil setting should be maintained, and its environmental benefits enhanced as opportunities arise. Walney Pond provides a venue for outdoor education and interpretation, recreational fishing, and reflection; the CDP supports these activities within the context of the Middlegate/Visitor Complex. Picnic and gathering areas and access to the park's trail network are appropriate for the site, as are other activities that enhance visitors' appreciation of the outdoors.



Figure 51: Walney Pond

Signage and Interpretive Features

ECLP's valued natural and cultural resources offer opportunities to enhance the user experience through educational and interpretive signage. Such features are in common use within the park and are further described in the park's interpretive planning documents. While the CDP does not show the specific locations or contents of interpretive sites, appropriate locations include at key points of interest within the Walney and Middlegate/Visitor Complexes, along trails, at trailheads, and at other suitable locations as determined by staff.



Figure 52: Interpretive Signage describing the Walney barnyard

Trails/Connectivity

ECLP's trail network has been planned to protect sensitive environmental and known cultural resources; provide an enjoyable recreational experience; connect the park's core areas, accommodate the landscape's varied topography; and provide access for maintenance and stewardship.

The park's trail network is best suited for hiking; however, the Park Authority may consider bicycle or equestrian use in limited areas at its discretion. If constructing new trails, the planned corridor should be surveyed for cultural and environmental resources, and aligned to minimize any impacts. Trail surfaces should be selected for use and sustainability, and should vary throughout the park.

A major planned feature of the ECLP trail network is the West County Trail, ultimately linking Reston to the east and Bull Run Regional Park to the west. As planned near ECLP, the West County Trail runs primarily within the Big Rocky Run Stream Valley. A future crossing of Route 28, facilitated through the Route 28/Interstate 66 interchange improvements, would allow the trail to continue along its east-west corridor.

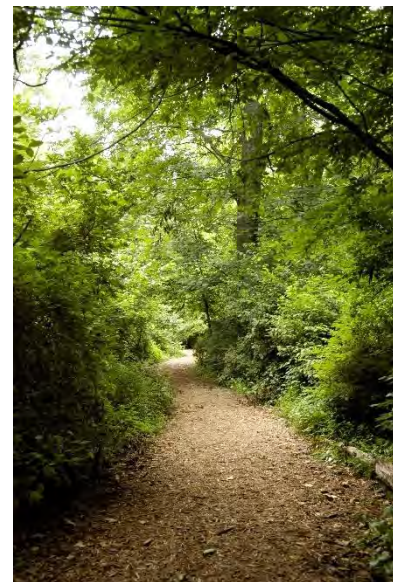


Figure 53: A forested trail at ECLP

The CDP allows for two possible crossings across Route 28 at the Walney Road/Braddock Road intersection:

- As of the date of this master plan's approval, VDOT's plan for the intersection includes a bridge over Route 28. This overpass would incorporate a separate multimodal crossing and would follow the existing alignment of Braddock Road west of Route 28. This option would result in a trail segment outside of ECLP but it would provide a critical linkage in the overall West County Trail. Trail connections to the park's trail network should be pursued. In addition, the overpass could provide an option to include a wildlife corridor, an example of which is shown in Figure 53. Trail and transportation improvements along Braddock Road may impact known cultural resources; the Park Authority should continue to advocate for these impacts to be minimized and the resources appropriately surveyed and treated.



Figure 54: An overpass wildlife corridor, Banff National Park, Canada

In addition, the overpass could provide an option to include a wildlife corridor, an example of which is shown in Figure 53. Trail and transportation improvements along Braddock Road may impact known cultural resources; the Park Authority should continue to advocate for these impacts to be minimized and the resources appropriately surveyed and treated.

- A secondary option considers replacing the existing Rocky Run culvert under Route 28 with a pedestrian-friendly tunnel. A trail could then be constructed along Rocky Run, linking the tunnel with points west and, eventually, the West County Trail. If this option is to be implemented, a trail alignment along the existing sewer line easement should be considered to minimize the impacts to natural and cultural resources. The cost to the Park Authority to construct this option and obtain the necessary real property rights from VDOT should be considered in any feasibility study for this option.

Forest Resource Protection Zones

Forest RPs include high-quality forest stands of Piedmont Acidic Oak-Hickory Forest, Piedmont/Central Appalachian Mixed Oak/Heath Forest, Coastal Plain/Piedmont Small-Stream Floodplain Forest and Piedmont Upland Depression Swamp Forest, amongst other community types. Use within all Forest Resource Protection Zones should be restricted to foot traffic on park-maintained trails, with horses and bicycles allowed only on designated trails, at the discretion of Park Authority staff. Off-trail use is prohibited for all visitors and their pets due to the sensitivity of the plant communities and wildlife species. Additionally, the significance of Ellanor C. Lawrence Park's cultural/historic



Figure 55: ECLP Forests

resources highlights the importance of preserving these areas as much as possible in a natural state without disturbance.

The CDP defines Forest RPZ Units A through H. Each unit has been delineated based on forest resource type (as defined by the Virginia Department of Forestry and the Park Authority's Natural Resources Branch), the presence of known cultural resources, management techniques required for stewardship, desired visitor experience, or public feedback.

Forest RPZ Units A and B

Forest RPZ Units A and B contain some of the park's highest quality forest ecosystems. These areas should be managed primarily to protect and enhance the natural environment and wildlife habitat. Human and vehicular traffic should be kept to a minimum; accordingly, trails, roads, and built facilities are not appropriate in Units A and B. The exception is the historic Hackley's Road and late 20th century residential structure which was built prior to the Park Authority's ownership. This site may continue to be used in support of park operations. Future expansion around the structure, if any, should carefully consider and minimize adverse impacts to the surrounding natural and cultural resources. The site's location within Unit B and its limited access make it unsuitable for intensive public use.

Forest RPZ Unit C

Forest RPZ Unit C is an approximately 13.2-acre stand composed almost entirely of Eastern red cedar (*Juniperus virginiana*). The stand was maintained as turf grass or pasture until the early 1970s when it began to convert to cedar. Per the park's Forest Stewardship Management Plan (Virginia Department of Forestry, 2013), the stand contains high quality wildlife habitat, providing food and shelter for numerous species. Invasive plant species should be regularly monitored and managed. Staff will continue to maintain the stand in a successional state, both for its ecology and educational value in demonstrating forest succession.

Forest RPZ Units D and E

Forest RPZ Units D and E are representative of many forested areas within a suburban setting. Both areas are designated as Ecological Restoration Areas and provide opportunities to improve the ecological health of ECLP. Ecological Restoration Areas have been impacted by prior land disturbance or non-native invasive species, and, per Virginia Department of Forestry and staff assessment, are of a lesser habitat quality than other forested areas of the park, such as Units A, B, and C. It is recognized, however, that these areas do provide some ecosystem services and could be restored to a higher quality with future investment and rehabilitation. Specific ecological goals for these areas should be identified prior to the start of any restoration work. Restoration work may involve heavy equipment and tree removal, but these impacts shall be temporary with the goal of rehabilitating the native system.

Of note, two potential projects, the realignment of Walney Road in Unit D, and the construction of trails and multimodal pathways in Unit E, may impact the forest with tree removal and land disturbance. The park's 2015 Cultural Landscape Report recommended conversion of the land between the realigned Walney Road and the historic road to managed meadow to restore the Walney homestead's historic setting. The Park Authority should consider this option if the road realignment occurs. Where feasible, opportunities to enhance and restore the ecosystem value should be pursued through these projects.

Forest RPZ Units F, G, and H

Forest RPZ Units F, G, and H represent the largest tracts of forest ecosystem within the park. Apart from clearing and construction to support ecosystem enhancement, natural and cultural resources interpretation, recreation, and other activities intended within the Walney and Middlegate/Visitor Complexes, these areas should remain in their natural, wooded state. While not targeted for specific management activities, staff should consider ecosystem enhancement, restoration, and similar stewardship or interpretive activities. Within Unit F, staff maintains two large exclosures that protect the forest habitat from deer browse. These features demonstrate regrowth in the absence of deer. It is expected that the exclosures and similar types of natural resource interpretation will continue. Units G and H are defined due to the presence of natural and cultural resources.

Managed Meadow Resource Protection Zones

Managed meadow RPZs are comprised of managed meadows that require periodic disturbance such as mowing or prescribed fire to maintain their successional ecological state. These areas should be managed as native grasslands, with small native shrubs and tree seedlings scattered throughout. Non-native invasive species, such as Autumn olive, should be removed within these areas as they can serve as seed sources for other areas of the park. The specific maintenance regime that is ideal for each meadow shall be determined by a natural resource manager, in consultation with site staff and the natural resource management plan if available. Several of the meadows contain rare, threatened or regionally rare species, such as Purple Milkweed and Woodcock. Both the management method and timing of management may affect the desired species.



Figure 56: Managed Meadow at ECLP

The managed meadow RPZ southeast of the Middlegate House will continue to be maintained as open space, with the goal of improving the water quality of the runoff feeding Walney Pond. Opportunities should be sought to restore its ecosystem functions. Water features, rain gardens, and similar elements that may provide both

environmental benefits and educational opportunities are appropriate for the site. Such improvements might be accomplished through the construction of the Stewardship Education Center or similar capital project and partnership with other County agencies or community partners. Future development should consider the stormwater management challenges in the Middlegate area and the role of this managed meadow in filtering runoff.



Figure 57: Transcontinental Gas Company Managed Meadow RPZ

The Transcontinental Gas Company Managed Meadow RPZ should continue to be maintained under the Park Authority's MOU with Transco, which ensures this area's compatibility with the gas line and provides for joint management of the linear area in conformance with Natural Resources Branch policies. Absent an MOU, this RPZ should be managed in a manner compatible with the existing easement, guided by the recommendations in the park's natural resource management planning documentation or other guidance in use at the time.

Design Concerns and Recommendations

Coordination with Resource Management Staff

The management of the park's extensive natural and cultural resources, both known and unknown, and the creation of the features detailed in the CDP may present unintended conflicts as management and development needs coexist. Therefore, it is necessary that all decisions regarding ECLP, its management, and its development activities involve careful coordination with resource management staff.

Transit Corridor Improvements and Coordination with Transportation Agencies

ECLP's location along two of the County's primary highway corridors, Interstate 66 and Route 28, make its land area and resources particularly susceptible to encroachment pressures from surrounding development. VDOT's efforts to improve these corridors will

change the traffic patterns in the area, potentially conflicting with park access, its pedestrians, and internal vehicular traffic. Noise, visual impacts, and environmental factors may alter the park's visitor experience. Additionally, the Route 28/Interstate 66 interchange improvements, widening of Route 28, and the extension of Poplar Tree Road will potentially require additional right-of-way from the bordering parkland. Park staff should work in partnership with VDOT throughout the design and construction of these improvements to ensure that any negative impacts to parkland are avoided or properly mitigated, and that the terms of any deed restrictions are upheld.

The Middlegate Complex, Walney Pond, Cabell's Mill, and ancillary features are at particular risk of encroachment from the improvements to the Walney Road/Braddock Road intersection. The proposed overpass across Route 28 generates a need for ramps to accommodate the change in elevation; these structures will likely extend into the park along Walney Road. The current plans are unclear whether VDOT will require additional right-of-way along Walney Road and Cabell's Mill Road. These transportation improvements may damage the unique, valued, natural character of the park and its historic setting.

The Master Plan envisions the Middlegate Complex as the primary center of natural and cultural resource-based interpretation and visitor activity at the park. Public comments received during the planning process demonstrated the high value the public places on Walney Pond, Middlegate, and their natural setting. These unique features define the park's character and provide an ideal location for the planned Stewardship Education and Visitor Center.

The Park Authority should continue to work with VDOT, FCDOT, the Board of Supervisors, and its stakeholders to minimize the impacts of any road improvement projects to ECLP, the Middlegate Complex, and Walney Pond. The construction of major transportation improvements near Walney Pond and Middlegate should be avoided. If avoidance is not possible, the new development should be sited, designed, and constructed to minimize the ambient noise, visual, environmental, stormwater, cultural, and similar impacts to the visitor experience.

Problem Soils/Slopes

There is a high potential for radon to occur within ECLP which is a concern for occupied dwellings (Radon potential = 4, Rock Type = A). The park contains numerous soil types, of which soil problem classes III, IVA, IVB require geotechnical investigation prior to development activity.

ADA Access

The Park Authority is committed to providing all citizens with equal access to the facilities and recreation features within its parks to the greatest extent possible. Sometimes, the ability to provide physical access to all locations within a park may be at odds with the simultaneous mission to protect the county's natural and cultural resources. With any development at ECLP, it is a goal to provide access to all areas of the park to the greatest extent feasible. Should conditions, such as significant topographic change or protection of historical resources, preclude full physical access, interpretive opportunities should be pursued so that the value of the inaccessible locations may be made available to all.

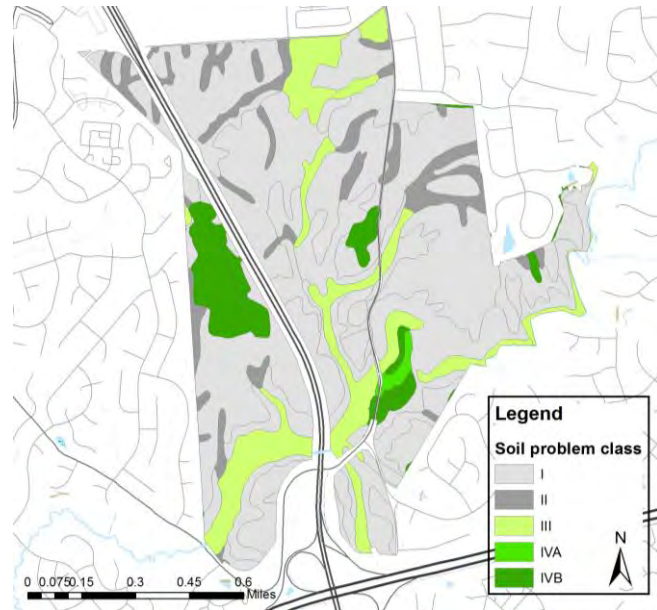


Figure 58: Problem soils at ECLP

Parking

As a destination park, the ability to provide and expand on programming and services at ECLP is directly tied to the ability to provide sufficient parking and access. Significant expansion of on-site parking would have considerable impacts on the character of the park as well as to cultural and natural resources. Alternately, parking should be limited to those areas already disturbed or expanded only after specific evaluation for natural and cultural resources. The option of providing additional bus parking for groups should be considered and pursued where reasonable to minimize impacts within the park.

ECLP would also benefit from improved access to public bus transportation. Increased emphasis on the availability of public transportation, noted on the park's web page and other means of advertisement, could help reduce the increasing demand for on-site parking.

Pedestrian Amenities



Figure 59: Enjoying a wooded trail at ECLP

Given the prevalence of sensitive natural and cultural resources on site, the existing trail alignments should be maintained or realigned only after careful consideration of resource impacts. The trailheads noted in the CDP promote pedestrian connectivity into the park from surrounding communities. Trail connections along Walney Road and the existing pedestrian connection at Poplar Tree Road should carefully contemplate the safety of encouraging pedestrian crossings.

Development plans should be coordinated with the Fairfax County Department of Transportation and the Virginia Department of Transportation to evaluate locations for safe crossings as well as elements to enhance pedestrian safety, for example, crosswalks, pedestrian lighting/signalization.

Any adjustments or additions of trails within the park should be field located to provide the least amount of site disturbance and tree loss possible.

Another consideration is the crossing of Walney Road near Walney Pond and Middlegate. The location lacks an adequate and safe means for pedestrians to cross from the Middlegate parking lot to Walney Pond and the trail connections to the north. Staff has coordinated with VDOT on providing a suitable crosswalk; however, maintaining an adequate line-of-sight for vehicular traffic remains a challenge. The introduction of the new stewardship education and visitor center, combined with the proposed transportation improvements to Walney Road, underscores the need for pedestrian safety in this well-visited area.

Bicycle Accommodations

Several comments received during the planning process indicated a desire to expand bicycle access to the park. By policy and action, the Park Authority seeks to enhance non-motorized access to parkland. The availability of secure bike storage as well as wayfinding signage directing cyclists to bike parking would be options that could be achieved within the context of the Sully Woodlands Stewardship Education Center to promote bicycle access.

Low Impact Development

Final engineering design of this site will be required to adequately address runoff generated by further development within the park, such as the Sully Woodlands Stewardship Education Center. Opportunities to address drainage and stormwater design using Low Impact Development techniques should be considered wherever feasible. The inclusion of porous pavement should also be considered wherever

underlying soils permit. Final material selection should ultimately balance the intended usage of the surfacing and maintenance requirements.

Fiscal Sustainability

Economic realities require that funding for public parks be supplemented by revenue generated by park offerings, sponsorships, donations, and volunteerism. Fiscal sustainability, as outlined in the agency Fiscal Sustainability Plan, is essential to be incorporated into the implementation of the master plan. Successful implementation of the Fiscal Sustainability Plan and master plan will allow the agency to address community needs, as well as critical maintenance, operational and stewardship programs by providing latitude in funding options and decision making. Together these plans will serve the public, park partners, and the Park Authority by providing a greater opportunity for fiscal sustainability.

Appendices

Appendix A: 2014 Natural Resource Management Action Plan and Species Lists

Natural Resource Action Plan for

Ellanor C. Lawrence Park

Jim Dewing, Natural Resource Manager, Jan. 2014

Location: Tax Map 54-2 & 44-4
5040 Walney Road
Chantilly, Virginia 20151-2306

Area: 54-2 ((1)) 2 - 14.7350 acres
54-2 ((1)) 3 - 7.0000 acres
54-2 ((1)) 3A - 4.1461 acres
54-2 ((1)) 4 - 9.9000 acres
54-2 ((1)) 11 - 13.3310 acres
54-2 ((1)) 14 - 0.8539 acre
54-2 ((1)) 15 - 4.2765 acres
54-2 ((13)) E - 0.2288 acre
54-2 ((13)) F - 0.6874 acre
44-4 ((1)) 3 - 584.7953 acres
44-4 ((1)) 14C - 5.0000 acres
44-4 ((1)) 27 - 3.1649 acres
44-4 ((17)) B - 1.0702 acres
44-4 ((17)) H - 0.7792 acres

649.9683 Total Acres

Master Plan: Yes. Approved: August, 1978. Revised: July, 1980; January, 1990; June, 1991. See: <http://www.fairfaxcounty.gov/parks/MasterPlans/eclawrence.gif>.

Classification: Resource-based Park

Other Reports/Plans: VaDoF Forest Treatment Plan completed May 2013. *Helping Our Land Heal*, Forestry Management Project Plan 2013-2017. White Buffalo, Inc. Deer Management Plan 2014-2016. Sully Woodlands Regional Master Plan 2006. Cub Run and Bull Run Watershed Management Plan February, 2007. Wild Turkey Management within Lawrence Park, NVCC, 1984. Deer Management Sharpshooting Plans, FCPD, 2007-2011. Flora Management & Protection Plan for E.C.L.P., Reid Folsom, 1996. Herps Survey Report, Tony Bulmer, 2004. Small Mammal Survey Report, Tony Bulmer, 2002. White-tailed Deer Population Assessments, FCPA, 1999-2002. Road Kill Wildlife One Year Survey for Eastern Side of Park, FCPA, 1992.

Protected Status: David Lawrence Trust Restrictions. Sites listed on the National and State Historic Registries.

Resource Protection Zone Category:

Summary

Ellanor C. Lawrence Park (ECLP) is primarily a natural and cultural resource interpretive programming site. The variety of habitats located within the park support a diversity of flora and fauna. Fifty-eight acres of the park that are not covered by this plan are ball fields and attendant parking lots. In keeping with the park's primary mission, the objective of the Fairfax County Park Authority (FCPA) is to protect and enhance forest health and biodiversity. We wish to protect rare habitats and enhance wildlife habitat for songbirds, turkey, and other vertebrate and invertebrate taxa. Ground water is a prominent feature of the park with seeps and springs throughout the property. Efforts will be made to protect the water quality within the park.

Objective

ECLP's long term goal of improved habitat requires tools and methods that have not been used before or modifications of actions to fit the site that can then be transferred to other sites in the future. Woodland prescribed burns, soil treatments to suppress non-native invasive plants (NNI's) and enhance growth of native plants and exclusion fencing to allow habitat to respond with reduced impact are examples. As part of the *Helping Our Land Heal* - Forestry Management Plan (HOLH-FMP) the emphasis early will be to test low cost techniques that are effective and transferrable.

Priority projects in the upcoming year include:

- HOLH-FMP: Monitor effects of previous prescribed burn and thinning in Oak-Hickory stand below Walney Visitor Center. Coordinate resource management activities with interpretive staff to provide educational opportunities.

- Deer Management: Work with Resource Protection Branch (RPB) and contractor removing deer from ECLP to assess methods and effectiveness. Continue browse assessments and maintenance of fenced enclosures.
- Cedar-Pine Area: Monitor plantings (Dec. 2013) and work with RPB on NNI suppression. Additional clearing may be required.
- Stream Restoration: Work with Northern Virginia Soil and Water Conservation District (NVSWCD) to install stream blockages along sections of Roundlick Run. Ideally once the technique is refined this will be an excellent Eagle Scout project opportunity.
- Meadow Management: ECLP's three meadows vary in size and type. Prescribed burning has been and will be used on the two meadows near the Middlegate complex along with woody plant removal. The newer woodland meadow along the North Loop trail was cleared and seeded in summer 2013. NNI control and additional seeding will be the main activities.
- Trails: The heavily used trail system suffers from a lack of maintenance. Work with RPB and Area 5 to determine methods and funding to stabilize trail system. Evaluate the trails to determine redundancy and possible removal of some sections.
- NNI: Working with RPB and contractor to monitor previously treated areas to identify, prioritize, and treat NNI's in ECLP and in the Big Rocky Run stream corridor. Evaluate and implement techniques for clearing larger stands of invasives and degraded forest.

Resource Assessment

ECLP is located on the eastern edge of the Culpeper Triassic Basin. The southern part of the park is dominated by the Big Rocky Run flood plain, while the northern part is rolling uplands with a few steep slopes. The forest cover is predominantly upland oak-hickory and lowland mixed hardwood populated with species typical to Northern Virginia. Most of the forest is relatively young, dating from the late 1940s or early 1950s, but some is older, probably dating from the early twentieth century. One other significant feature of the park is that it encompasses most of the forested watershed of Walney Creek. It is uncommon to find a named creek with such a lightly disturbed watershed in Fairfax County and Walney Creek supports sensitive benthic macroinvertebrates rarely found in the county. The park also contains Resource Protection Areas (RPA) along the perennial streams that might restrict management activities.

ECLP is almost completely surrounded by developed land. It is however connected to stream valley parks along Big Rocky Run owned and managed by FCPA. Upstream, the natural area corridor ends in the headwaters area of Big Rocky Run. Downstream, this corridor connects the park to a series of parks and preservation areas that stretches from the western head waters of Cub Run down the Occoquan River almost to the US Fish and Wildlife sanctuaries and Mason Neck State Park around Occoquan Bay and the Potomac River. The park is therefore an outlying node of one of the larger high value core areas identified by the Northern Virginia Regional Commission in their January 2012 report Conservation Corridor Planning. These corridors mean that there is the potential for the movement of plants and animals into and out of Ellanor C. Lawrence Park from these other natural resource cores.

Penn silt loam is the dominant soil in the park. Along with Manassas, Nestoria, Oatlands, Panorama, and Rowland loams, Penn silt loam formed over the shale, siltstone and sandstone of the Triassic basin. Although the Rhodiss soil, found between Walney Road and the eastern edge of the park just north of Big Rocky Run, derives from the igneous rock of the Piedmont upland, it has similar chemical and hydrologic properties to the sedimentary soils

listed above. These soils are all deep, well drained, acidic soils that are moderately well suited to growing hardwoods and conifers.

In contrast, the sedimentary Albano soil at the head waters of Walney Creek and Round Lick Branch is a deep, poorly drained soil that is frequently saturated and may have standing water. Codorus soil is 'new' alluvium found in riparian areas and is frequently saturated. Albano and Codorus support hardwoods that can withstand the low oxygen environment of saturated soils.

An examination of the forests in the park finds deficiencies in both the stand structure and composition. The shrub and herbaceous layers of the park are generally sparse or non-existent; and where they do exist are dominated by non-native invasive plants. The trees are not regenerating, so as the existing mature trees succumb to old age, disease, pests and competition with invasive plants, the forest will eventually die. In order to correct these deficiencies and improve the bio-diversity of the park, active forest management is needed.

Excessive deer browse and absence of fire contribute the expansion of non-native invasive species. At best these plants use up space and resources that native vegetation needs and prevent trees from regenerating; at worst the invasive vines kill mature trees, hastening the death of the forest. In general, our vertebrate and invertebrate plant grazers will not eat these non-native plants. So, as the invasive plant populations expand to occupy more of the forest they reduce habitat for the animals that live there. Controlling these plants, particularly the vines, is a critical part of restoring bio-diversity to the park. As bio-diversity increases, the plant communities in the park will become more resistant to invasion.

Natural features include:

- Animals – Species lists are contained in the appendixes.
- Plants – Species lists are contained in the appendixes.
- Meadows – A large meadow is located behind the Middlegate complex and Cabell's Mill and bordered by Big Rocky Run. There is a smaller meadow and rain garden in front of the Middlegate complex east and up-slope of the gravel parking lot. The meadows are maintained through mechanical mowing and prescribed burns. The meadows contain a bluebird box trail and mowed walking paths. Non-native plants are controlled through manual removal and herbicides. A woodland meadow was added to an area off the North Loop trail in summer 2013.
- Pond - Constructed in the 1950's, it was dredged and expanded during the period 1993-95. A boardwalk and two fishing platforms were installed at that time. The reconstruction included a landscape plan and installed plantings. A few tree swallow boxes are maintained here. A maintenance project was completed in July of 2012 to dredge the northern end of the pond surrounding the board walk. The project installed stone weirs to slow runoff discharge into the pond to settle out sediment in a more focused way for future clean out.
- Walney Spring and Creek – This spring provides water for the dairy complex at Walney. Due to its steady flow and clean source, Walney Creek has continually

received an acceptable rating (around 8) when monitored by Northern Virginia Soil & Water Conservation District.

- Big Rocky Run – This medium sized stream runs through the southern edge of the property from an east to west direction before joining Cub Run and then Bull Run. It was in good shape when monitored by the Va. Master Naturalist Program in 2009, but is at a lower quality level than Walney Creek. It was given a biological monitoring rating of very poor in 1999 according to the 2007 Annual Report on Fairfax County’s Streams prepared by the Fx. Co. Dept. of Public Works and Environmental Services. They have not published any more recent data for a spot within the park. The section between Braddock Road and Route 28 is part of a stream restoration starting in 2010.
- Roundlick Run – This small spring and run-off fed, seasonally variable water course, begins just east of Walney Road fed by a storm water retention pond for The Preserve at Wynmar housing development. It runs through the northern edge of the park from east to west crossing the gas pipe line right-of-way being additionally feed by surface runoff and small natural seeps. It flows under Route 28 and continues west out of the park where it empties into Cub Run.
- Vernal Pools – A number of natural pools exist in the park near springs and where surface runoff collects on the property. A vernal pool was constructed in a spring fed runoff channel along the north loop trail in 2008.
- Transcontinental Gas Pipeline Easement – This easement transects the park, east to west, along the northern edge. It is mowed at least once annually, which maintains it as warm season grassland habitat. A bluebird trail is maintained along the easement edge. The easement has one spring providing water that runs across its surface before forming a small creek that travels west under Route 28. Due to soil compaction, the water persists on the surface of the gas line and forms a number of active vernal pools each spring within the easement right of way and along its southern edge. A fire road is maintained by regular mowing along the full length of the easement’s southern edge to join the fire road through the woods along Route 28 to Popular Tree Road.

Top Threats

- VDOT continues to plan and survey for major road developments that will impact the park.
- Deer browse continues to effect forest regeneration.
- Invasive plants continue their inexorable march into and throughout the park.
- Encroachment by adjoining landowners and visitors removing fauna (i.e. turtles).
- Water runoff and quality issues including velocity.
- Low amounts of funding and staffing dedicated to natural resource management.

Resource Protection Zones

Triangle Forest Stand

Cedar Forest Stand

Meadows / Gas line Meadows

Walney Pond

Walney Creek Watershed Drainage

Roundlick Drainage

Management Strategies

- During spring of 2014, complete the Cub Run Watershed Pro Rata Share Project (CU 9207). The project within the park between Route 28 and Braddock Road is Big Rocky Run Phase II project numbers CU8001-CU003. This project is being handled by Department of Public Works and Environmental Services. Staff will need to follow up one-year out (summer 2015) from completion to assess installed plant survival and other components as part of the contractor's warranty.
- Mobile crew with will work with a contractor to install a V-ditch to complete the run-off corrective measures for the Walney Pond Restoration Project. (Spring 2014) This is one of the last steps to try and control the surface run-off into this surface fed feature in the park. The final step will be to install a formal path and berm system around the pond to protect it from the Walney Road and Parking lot run-off.
- Work with NVSWCD to develop a plan for corrective measures like installing stream blockages along Roundlick Run to address neighborhood surface run-off and stream channel erosion within the park. Develop a template for volunteer groups like Scouts to install March – June 2014.
- Continue implementing HOLH-FMP with an emphasis on NNI plant control in stands previously thinned, burned, or planted in 2013. Use test plots to survey vegetation effects in response to the forestry management actions. CY 2014.
- Develop memo of understanding with Williams for a work plan to outline standards for maintaining the Transco Gas Line easement meadow by FCPA. Summer 2014.
- Implement the forest treatment plan (primarily in resource protection zone) to include: a) controlling human activities and b) controlling NNIs (see Implementation Plan below for timing).
- Monitor site resources to assess status of native plant communities, levels of human disturbance and impact, percent coverage by NNIs and browse impact by deer. Develop annual implementation measures based on observations.
- Consult with other agency staff as well as outside groups to include schools to recruit advocates for the site and develop programs to promote stewardship and appreciation for the site natural resources.

Implementation Plan

- Site staff will work with NRMPS and P&D staff to inspect B.R.R. Restoration Project work to ensure contract compliance by Vanasse Hangen Brustlin, Inc. (Contract # CN 10316077).
- Site staff will monitor the B.R.R. project at the six month and one year out points after completion to ensure that all plantings and other work are proceeding within the specifications of the contract. Site staff will notify NRMPS, P&D, and DPWES staff if the contractor needs to make corrective actions based on the warranty stipulations of the contract.
- Use of central invasive plant removal funding to protect BRR Stream Restoration zone from threats moving into the newly restored zone.
- ESA is monitoring plots for White Buffalo.

- Owen Williams and Jim Dewing will monitor deer exclosures and vegetation plots in HOLH areas including burn plots. Twenty browse plots from NRMPS.
- Deer feeding stations that are maintained by site staff from December 2013 to February 2014 during first year of the three year deer management contract period.
- FLIR survey in winter of 2014 to survey for white-tailed deer population numbers.

Cost estimates for Full Implementation

- Costs for the v-ditch install at Walney Pond are for around \$4,700 and come from the Lawrence Trust Fund.
- The *Helping Our Land Heal* Forestry Management Plan has a total budget cost of \$340,000. The cost is broken into three main areas: Information Gathering, Field Investigation, and Management Plan - \$125,000; Management Plan Implementation - \$175,000; Interpretation, Education and Outreach - \$40,000. Funding is available in the amount of \$150,000 in Project 004503, Cub Run Stream Valley, \$15,000 in Project 004158, Sully District Parks, District-wide, Sully District Parks Telecommunications; \$25,000 in Project 004750, Park Proffers, all in Fund 371, Park Capital Improvement Fund, and \$150,000 in Project 475008, Stewardship, Sully Woodlands Stewardship, Fund 370, Park Bond Construction Fund.

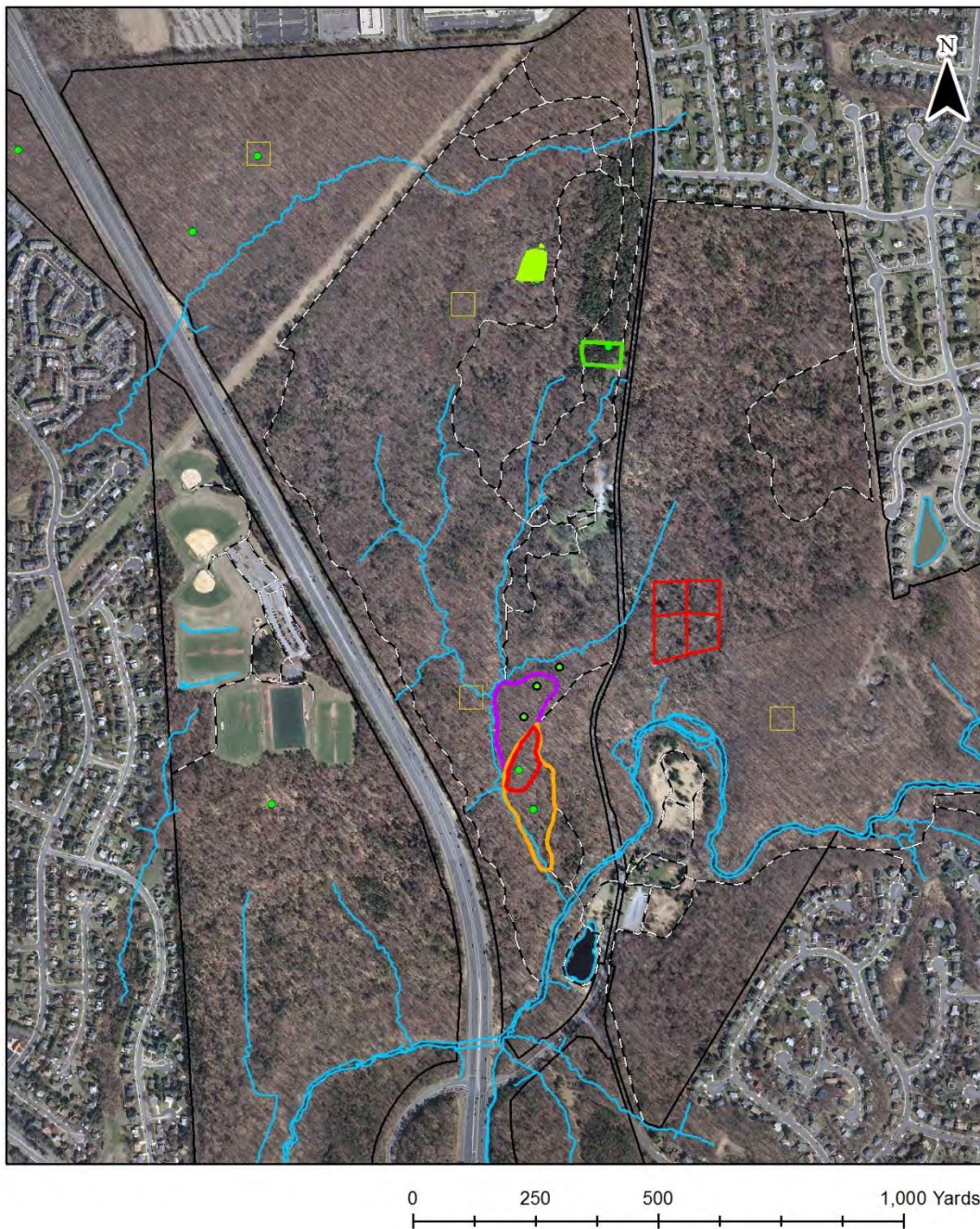
Appendixes

- A. Helping Our Land Heal Management Action Areas 2013-2014
- B. Fauna Species Lists from Interpretive Plan
- C. Vascular Plant Species Lists for ECLP
- D. Executive Summary from VaDoF Plan for ECLP
- E. Ten year time line of actions from VaDoF Study and Plan

Note: The following species lists have been updated through September 2017.

A. Helping Our Land Heal Management Action Areas 2013-2014

ECLP Helping Our Land Heal Project Areas



B. Fauna Species Lists for Ellanor C. Lawrence Park

Bird Species at Ellanor C. Lawrence Park

Seasons

Sp – Spring (March-May)
S – Summer (June-August)
F – Fall (September-November)
W – Winter (December-February)

Description of Codes

C – Common: Likely to be seen or heard in suitable habitat
U – Uncommon: Present, but not often seen
O – Occasional: Present infrequently during a season
R – Rare: May be present but not every year
 * - Species has nested in the park

	S	S	F	W
Grebes				
Pied-billed Grebe	-	-	o	o
Hérons				
Great Blue Heron	o	o	o	-
Green Heron	u	u	-	-
Waterfowl				
American Black Duck	r	-	-	-
Mallard	o	o	o	-
Wood Duck	o	-	-	-
Canada Goose*	c	c	c	c
Tundra Swan	r	-	r	-
Birds of Prey				
Black Vulture	o	o	o	o
Turkey Vulture	c	c	c	c
Osprey	o	-	o	-
Bald Eagle	r	r	r	r
Cooper's Hawk	u	u	u	u
Sharp-shinned Hawk	o	o	o	o
Broad-winged Hawk	o	o	o	-
Red-shouldered Hawk*	u	u	u	u
Red-tailed Hawk	u	u	u	u
American Kestrel	o	o	o	o
Quail - Turkey				
Northern Bobwhite	r	-	-	-
Wild Turkey*	u	u	u	u
Plovers - Sandpipers				
Killdeer	r	r	-	-
Common Snipe	r	-	-	-
Solitary Sandpiper	r	-	-	-
Spotted Sandpiper	o	-	-	-
American Woodcock	r	-	r	-
Yellow-billed Cuckoo*	r	r	-	-
Pigeons - Doves				
Mourning Dove*	c	c	c	c
Rock Pigeon	o	o	o	o
Gulls				
Ring-Billed Gull	-	-	-	o
Cuckoos				
Yellow-billed Cuckoo*	r	r	-	-
Owls				
Barred Owl*	u	u	u	u
Great Horned Owl*	r	u	u	u
Long-eared Owl	u	-	r	-
Saw-whet Owl	-	-	-	r
Nighthawks				
Common Nighthawk	o	o	-	-
Swifts - Hummingbirds				
Chimney Swift	c	c	-	-
Ruby-throated Hummingbird*	c	c	-	-
Kingfishers				
Belted Kingfisher	u	u	u	-

Woodpeckers				
Downy Woodpecker*	C	C	C	C
Hairy Woodpecker*	U	U	U	U
Northern Flicker*	C	C	C	C
Pileated Woodpecker*	U	U	U	U
Red-bellied Woodpecker*	C	C	C	C
Yellow-bellied Sapsucker	U	-	U	-
Flycatchers				
Eastern Kingbird*	C	C	-	-
Eastern Phoebe*	C	C	-	-
Eastern Wood-Pewee*	C	C	C	-
Great Crested Flycatcher*	U	C	C	-
Acadian Flycatcher*	U	U	-	-
Vireos				
Red-eyed Vireo*	C	C	C	-
Solitary Vireo	U	-	U	-
White-eyed Vireo	U	U	U	-
Yellow-throated Vireo	U	U	U	-
Jays – Crows				
Blue Jay*	C	C	C	C
Fish Crow*	C	C	C	C
American Crow*	C	C	C	C
Common Raven	O	r	r	O
Swallows				
Barn Swallow	O	O	O	-
Northern Rough-winged Swallow	U		U	-
Tree Swallow*	O	O	O	-
Chickadees - Titmice				
Carolina Chickadee*	C	C	C	C
Tufted Titmouse*	C	C	C	C
Creepers - Nuthatches				
Brown Creeper	U	U	U	U
Red-breasted Nuthatch	O	-	O	O
White-breasted Nuthatch*	C	C	C	C
Wrens				
Carolina Wren*	C	C	C	C
House Wren*	C	C	C	r
Winter Wren	-	-	-	r
Kinglets - Gnatcatchers				
Golden-crowned Kinglet	C	-	C	-
Ruby-crowned Kinglet	C	-	C	-
Blue-gray Gnatcatcher*	C	C	C	C
Thrushes				
American Robin*	C	C	C	U
Eastern Bluebird*	C	C	U	U
Gray-cheeked Thrush	r	-	r	-
Bicknell's Thrush	r	-	r	-
Hermit Thrush	O	-	O	U
Swainson's Thrush	O	-	O	-
Veery	O	-	O	-
Wood Thrush*	C	C	C	-
Gray Catbird*	C	C	C	-
Northern Mockingbird*	C	C	C	C
Brown Thrasher	O	-	O	-
Waxwings				
Cedar Waxwing	O	O	O	O
Starlings				
European Starling*	C	C	C	C
Wood-Warblers				
American Redstart*	C	C	C	-
Bay-breasted Warbler	r	-	r	-
Black-and-white Warbler	O	O	O	-
Blackburnian Warbler	O	-	O	-
Blackpoll Warbler	C	-	U	-
Black-throated Blue Warbler	C	-	C	-
Black-throated Green Warbler	C	-	C	-

Blue-winged Warbler	O	-	O	-
Canada Warbler	O	-	O	-
Cape May Warbler	O	-	O	-
Chestnut-sided Warbler	O	-	O	-
Common Yellowthroat*	C	C	C	-
Hooded Warbler	O	O	O	-
Kentucky Warbler	O	O	O	-
Magnolia Warbler	C	-	C	-
Nashville Warbler	C	-	C	-
Northern Parula*	C	C	C	-
Ovenbird*	O	O	O	-
Palm Warbler	U	-	U	-
Pine Warbler*	C	C	C	O
Prairie Warbler*	U	-	U	-
Tennessee Warbler	O	-	O	-
Worm-eating Warbler	O	-	O	-
Yellow-rumped Warbler	C	-	C	C
Louisiana Waterthrush*	C	C	C	-
Northern Waterthrush*	O	-	O	-
Tanagers				
Scarlet Tanager*	C	C	C	-
Grosbeaks - Buntings - Sparrows				
Blue Grosbeak*	O	O	O	-
Rose-breasted Grosbeak	C	-	C	-
Northern Cardinal*	C	C	C	C
Indigo Bunting*	C	C	C	-
Chipping Sparrow*	C	C	C	-
Dark-eyed Junco	C	-	C	U
Eastern Towhee*	C	C	C	O
Field Sparrow*	U	O	U	-
Fox Sparrow	r	-	r	-
Song Sparrow*	C	C	C	O
Swamp Sparrow	O	-	O	-
White-crowned Sparrow	r	-	r	-
White-throated Sparrow	C	-	C	C
Blackbirds - Orioles				
Baltimore Oriole*	C	C	C	-
Orchard Oriole*	C	C	C	-
Brown-headed Cowbird*	C	C	C	O
Common Grackle*	C	C	C	-
Red-winged Blackbird*	C	C	C	O
Rusty Blackbird	O	-	O	-
Finches				
American Goldfinch*	C	C	C	C
Evening Grosbeak	-	-	-	r
House Finch*	C	C	C	C
Purple Finch	O	-	O	-
Pine Siskin	-	-	-	r
Weavers				
House Sparrow*	U	U	U	U
Accidental (recorded only once at ECLP)				
Virginia Rail				
Mississippi Kite				

Mammal Species

This list has been compiled by park staff through field observations and lists of animals found in the region that could occur here.

Scientific Name	Common Name	Status at ECLP
<i>Blarina brevicauda</i>	Short-tailed Shrew	Confirmed
<i>Canis latrans</i>	Coyote	Confirmed
<i>Castor canadensis</i>	American Beaver	Confirmed
<i>Condylura cristata</i>	Star-nosed Mole	Possible
<i>Cryptotis parva</i>	Least Shrew	Confirmed
<i>Eptesicus fuscus</i>	Big Brown Bat	Probable
<i>Glaucomys volans</i>	Southern Flying Squirrel	Confirmed
<i>Lasionycteris noctivagans</i>	Silver-haired Bat	Confirmed
<i>Lasiurus borealis</i>	Eastern Red Bat	Probable
<i>Lasiurus cinereus</i>	Hoary Bat	Confirmed
<i>Lynx rufus</i>	Bobcat	Probable
<i>Marmota monax</i>	Woodchuck	Possible
<i>Mephitis</i>	Striped Skunk	Confirmed
<i>Microtus pennsylvanicus</i>	Meadow Vole	Confirmed
<i>Microtus pinetorum</i>	Woodland Vole	Confirmed
<i>Mus musculus</i>	House Mouse	Confirmed
<i>Mustela frenata</i>	Long-tailed Weasel	Confirmed
<i>Mustela vison</i>	Mink	Probable
<i>Myotis lucifugus</i>	Little Brown Myotis Bat	Possible
<i>Nycticeius humeralis</i>	Evening Bat	Confirmed
<i>Odocoileus virginianus</i>	White-tailed Deer	Probable
<i>Ondatra zibethicus</i>	Muskrat	Confirmed
<i>Peromyscus leucopus</i>	White-footed Mouse	Confirmed
<i>Peromyscus maniculatus</i>	Deer Mouse	Confirmed
<i>Pipistrellus subflavus</i>	Easter Pipistrelle Bat	Confirmed
<i>Procyon lotor</i>	Raccoon	Confirmed
<i>Scalopus aquaticus</i>	Eastern Mole	Confirmed
<i>Sciurus carolinensis</i>	Eastern Gray Squirrel	Confirmed
<i>Sorex longirostris</i>	South Eastern Shrew	Confirmed
<i>Sylvilagus floridanus</i>	Eastern Cottontail Rabbit	Possible
<i>Tamias striatus</i>	Eastern Chipmunk	Confirmed
<i>Tamiasciurus hudsonicus</i>	Red Squirrel	Confirmed
<i>Urocyon cinereargenteus</i>	Common Gray Fox	Possible
<i>Vulpes vulpes</i>	Red Fox	Confirmed

Reptile and Amphibian Species

This list has been compiled by park staff from field observations and lists of animals found in the region that could occur here.

Amphibians

Scientific Name	Common Name	Status at ECLP
<i>Ambystoma maculatum</i>	Salamander, Spotted	Confirmed
<i>Ambystoma opacum</i>	Salamander, Marbled	Confirmed
<i>Anaxyrus americanus</i>	Toad, American	Confirmed
<i>Anaxyrus fowleri</i>	Toad, Fowler's	Confirmed
<i>Desmognathus fuscus</i>	Salamander, Northern dusky	Confirmed
<i>Eurycea bislineata</i>	Salamander, Northern two-lined	Confirmed
<i>Eurycea guttolineata</i>	Salamander, Three-lined	Confirmed
<i>Hemidactylium scutatum</i>	Salamander, Four-toed	Possible
<i>Hyla chrysoscelis</i>	Treefrog, Cope's gray	Possible
<i>Hyla versicolor</i>	Treefrog, Gray	Confirmed
<i>Plethodon cinereus</i>	Salamander, Northern red-backed	Confirmed
<i>Plethodon cyllindraceus</i>	Salamander, Slimy	Confirmed
<i>Pseudacris crucifer</i>	Peeper, Northern spring	Confirmed
<i>Pseudacris feriarum</i>	Frog, Southeastern chorus	Probable
<i>Pseudotriton montanus</i>	Salamander, Mud	Probable
<i>Pseudotriton ruber rubber</i>	Salamander, Northern red	Probable
<i>Lithobates catesbeianus</i>	Bullfrog, American	Confirmed
<i>Lithobates clamitans</i>	Frog, Green	Confirmed
<i>Lithobates palustris</i>	Frog, Pickerel	Probable
<i>Lithobates sphenocephalus</i>	Frog, Southern leopard	Confirmed
<i>Lithobates sylvaticus</i>	Frog, Wood	Possible
<i>Scaphiopus holbrookii</i>	Toad, Eastern spadefoot	Confirmed

Reptiles

Scientific Name	Common Name	Status at ECLP
<i>Agkistrodon contortrix mokasen</i>	Copperhead, Northern	Confirmed
<i>Apalone spinifer spinifer*</i>	Softshell, Eastern spiny	*Introduced / Removed
<i>Carphophis amoenus</i>	Snake, Eastern worm	Confirmed
<i>Chelydra serpentina</i>	Turtle, Common snapping	Confirmed
<i>Chrysemys picta</i>	Turtle, Eastern painted	Confirmed
<i>Chrysemys picta dorsalis</i>	Turtle, Southern painted	*Introduced / Removed
<i>Coluber constrictor</i>	Racer, Northern black	Confirmed
<i>Diadophis punctatus edwardsii</i>	Snake, Northern ringneck	Confirmed
<i>Pantherophis alleghaniensis</i>	Ratsnake, Eastern	Confirmed
<i>Plestiodon fasciatus</i>	Skink, Common five-lined	Confirmed
<i>Plestiodon laticeps</i>	Skink, Broad-headed	Confirmed
<i>Graptemys geographica*</i>	Turtle, Northern map	*Introduced / Removed
<i>Heterodon platirhinus</i>	Snake, Eastern hognose	Confirmed
<i>Lampropeltis calligaster</i>	Kingsnake, Mole	Confirmed
<i>Lampropeltis getula</i>	Kingsnake, Eastern	Possible
<i>Nerodia sipedon</i>	Snake, Northern water	Confirmed
<i>Opheodrys aestivus</i>	Snake, Rough green	Confirmed
<i>Pseudemys rubriventris</i>	Slider, Northern red-bellied	Confirmed
<i>Regina septemvittata</i>	Snake, Queen	Confirmed
<i>Sceloporus undulatus hyacinthinus</i>	Lizard, Northern fence	Possible
<i>Scincella lateralis</i>	Skink, Ground	Possible
<i>Sternotherus odoratus</i>	Turtle, Eastern musk	Confirmed
<i>Storeria occipitomaculata</i>	Snake, Red-belly	Probable
<i>Terrapene carolina</i>	Turtle, Eastern box	Confirmed
<i>Thamnophis sauritus</i>	Snake, Eastern ribbon	Possible
<i>Thamnophis sirtalis</i>	Snake, Eastern garter	Confirmed
<i>Trachemys scripta elegans</i>	Slider, Red-eared	Confirmed
<i>Trachemys scripta</i>	Slider, Yellow-bellied	Confirmed
<i>Virginia valeriae</i>	Snake, Eastern smooth earth	Confirmed

Vascular Plant Species

The following list was compiled over several years from observations by park staff and local amateur botanists, while not exhaustive, it represents many of the vascular plant species found in ECLP. Current taxonomy was derived from the Flora of Virginia (2012) and the online Virginia Digital Plant Atlas (2017). * Indicates non-native species.

Scientific Name	Common Name	Habitat Type in ECLP
Aquatic Forbs		
<i>Hydrilla verticillata</i> *	Hydrilla	Pond
<i>Iris pseudacorus</i> *	Yellow Iris	Pond
<i>Iris versicolor</i>	Larger Blue Flag	Pond
<i>Lemna</i> sp.	Duckweed	Slow waterways
<i>Murdannia keisak</i> *	Marsh Dewflower	Freshwater, disturbed wetlands
<i>Myriophyllum spicatum</i> *	Eurasian Water-Milfoil	Pond
<i>Nasturtium officinale</i> *	Watercress	Dairy, Walney Creek
<i>Nymphaea odorata</i>	Fragrant Water-Lily	Pond
<i>Pontederia cordata</i> var. <i>cordata</i>	Pickerelweed	Pond
<i>Ranunculus pusillus</i>	Low Spearwort	Vernal pools
<i>Spirodela</i> sp.	Duckweed	Ponds
<i>Typha augustifolia</i>	Narrow-Leaved Cattail	Ponds,
<i>Typha latifolia</i>	Common Cattail	Pond, wet ditches
Ferns		
<i>Asplenium platyneuron</i>	Ebony Spleenwort	Moist to dry woods, meadow
<i>Athyrium asplenoides</i>	Southern Lady Fern	Moist woods
<i>Botrypus virginianus</i>	Rattlesnake Fern	Moist to dry woods
<i>Dennstaedtia punctilobula</i>	Hay-Scented Fern	Moist to dry woods, meadows
<i>Onoclea sensibilis</i>	Sensitive Fern	Wetlands
<i>Parathelypteris noveboracensis</i>	New York Fern	Moist to dry woods, transitional zones
<i>Phegopteris hexagonoptera</i>	Broad Beech Fern	Moist to dry upland woods
<i>Polystichum acrostichoides</i>	Christmas Fern	Moist to dry woods
Grasses		
<i>Agrostis perennans</i>	Autumn Bentgrass	Moist to dry woods
<i>Andropogon virginicus</i>	Broom Sedge	Meadow
<i>Arthraxon hispidus</i> *	Joint-Head Grass	Moist meadow, disturbed areas
<i>Brachyelytrum erectum</i>	Bearded Shorthusk	Moist woods
<i>Bromus pubescens</i>	Common Eastern Brome Grass	Woods
<i>Chasmanthium latifolium</i>	River Oats	Moist woods and plains
<i>Cinna arundinacea</i>	Common Wood Reedgrass	Wetlands
<i>Dactylis glomerata</i> *	Orchard Grass	Meadow
<i>Danthonia spicata</i>	Poverty Oatgrass	Rocky, dry soil
<i>Dichantherium boscii</i>	Bosc's Panic Grass	Moist to dry woods
<i>Dichantherium clandestinum</i>	Deer Tongue	Woods, meadow
<i>Dichantherium dichotomum</i>	Small-Fruited Panic Grass	Moist woods, meadow, wetlands
<i>Elymus canadensis</i>	Canada Wild Rye	Moist wooded lowland
<i>Elymus hystrix</i>	Bottlebrush Grass	Moist to dry woods
<i>Elymus virginicus</i>	Virginia Wild Rye	Moist wooded lowland
<i>Festuca rubra</i>	Red Fescue	Lawn
<i>Festuca subverticillata</i>	Nodding Fescue	Moist to dry woods, meadow
<i>Leersia virginica</i>	Virginia Cutgrass	Moist forests, wetlands
<i>Lolium arundinaceum</i> *	Tall Fescue	Meadow, lawn
<i>Microstegium vimineum</i> *	Japanese Stilt Grass	Woods, meadow edges
<i>Muhlenbergia sobolifera</i>	Rock Muhly	Dry woods
<i>Opismenus undulatifolius</i> *	Wavyleaf Basketgrass	Moist woods, stream valleys
<i>Panicum virgatum</i>	Switch Grass	Meadow
<i>Phalaris arundinacea</i>	Reed Canary Grass	Wetlands
<i>Piptochaetium avenaceum</i>	Eastern Needlegrass	Dry forests, rocky soil
<i>Schizachyrium scoparium</i>	Little Bluestem	Meadow
<i>Sorghastrum nutans</i>	Indian Grass	Meadow
<i>Tridens flavus</i>	Purpletop	Meadow
<i>Tripsacum dactyloides</i>	Eastern Gama Grass	Meadow
Reeds		
<i>Juncus effusus</i>	Common Rush	Moist to wet meadow
<i>Juncus tenuis</i>	Path Rush	Open, disturbed areas

<i>Scirpus atrovirens</i>	Dark Green Bulrush	Wetlands
Sedges		
<i>Carex albicans</i>	White-Tinged Sedge	Dry woods
<i>Carex cephalophora</i>	Oval-Leaved Sedge	Moist to dry woods
<i>Carex debilis</i>	White-Edged Sedge	Wetlands
<i>Carex digitalis</i>	Slender Woodland Sedge	Moist to dry upland woods
<i>Carex festucacea</i>	Fescue Sedge	Wetlands
<i>Carex glaucoidea</i>	Blue Sedge	Dry woods, meadow
<i>Carex hirsutella</i>	Fuzzy Sedge	Moist to dry woods, meadow
<i>Carex intumescens</i>	Bladder Sedge	Wetlands
<i>Carex physorhyncha</i>	Southern White-Tinged Sedge	Moist to dry woods, rocky soil
<i>Carex radiata</i>	Eastern Star Sedge	Wetlands
<i>Carex squarrosa</i>	Squarrose Sedge	Wetlands
<i>Carex stipata</i>	Tussock Sedge	Wetlands
<i>Carex umbellata</i>	Parasol Sedge	Ubiquitous
<i>Carex willdenowii</i>	Willdenow's Sedge	Moist to dry woods
<i>Schoenoplectus tabernaemontani</i>	Giant Bullrush	Pond

D. Executive Summary from VaDoF Plan for ECLP.

Ellanor C. Lawrence Forest Management Plan

Executive Summary

This plan is based on the management goal of supporting and improving bio-diversity in Ellanor C. Lawrence Park. An examination of the forests in the park found deficiencies in both the stand structure and composition to support this goal. The shrub and herbaceous layers of the park are generally sparse or non-existent; and where they do exist are dominated by non-native invasive plants. The trees are not regenerating, so as the existing mature trees succumb to old age, disease, pests and competition with invasive plants, the forest will eventually die. In order to correct these deficiencies and improve the bio-diversity of the park, active forest management is needed.

Doing nothing or 'letting nature take its course' is an option; however the do nothing option will not lead to a vibrant, diverse, well-functioning forest community. It must be understood that nature no longer includes key regulatory elements that lead to the well balanced communities of the past. In particular, apex predators and fire have been excluded from the landscape and non-native invasive species have been introduced.

Apex predators, those at the top of the food chain, control the flow of energy and distribution of bio-mass in all ecosystems. In eastern forests, the absence of wolves, mountain lions and human hunters allows the irruption of white tail deer populations and the concentration of energy and bio-mass in this one species; causing the local extinction of many plants and the animals that depend on them. Apex predators also control smaller predators, many of whom prey on birds, eggs and small mammals. Although eastern coyote may fill the predator control void left by wolves, they are unlikely to effectively control the deer population, so active deer management is needed to restore balance to the forest.

Fire controls the composition of the forest by excluding shade tolerant and fire intolerant climax species. Fire also controls the density of the forest by reducing the number of seedlings recruited to the adult tree population. It stimulates the growth of herbaceous plants and some shrubs, notably blueberries. Fire also speeds nutrient cycling. Removing fire from Ellanor C. Lawrence Park has left most of the forest overcrowded and in need of thinning.

Excessive deer browse and absence of fire also contribute the expansion of non-native invasive species. At best these plants use up space and resources that native vegetation needs and prevent trees from regenerating; at worst the invasive vines kill mature trees, hastening the death of the forest. In general, our vertebrate and invertebrate plant grazers will not eat these non-native plants. So, as the invasive plant populations expand to occupy more of the forest they reduce habitat for the animals that live there. Controlling these plants, particularly the vines, is a critical part of restoring bio-diversity to the park. As bio-diversity increases, the plant communities in the park will become more resistant to invasion.

An ideal landscape for bio-diversity is a mosaic of forest and meadow. The forest should be a mixture of nut and berry producing trees of all ages. This complex composition and age structure will evolve in a complete forest over centuries. It can also be imposed to a certain

degree, but only at great expense. The forests of ECLP are relatively young and grew from agricultural fields that were abandoned piecemeal over the period from about 1900 to 1950. The plan put forth here recognizes that most of the elements that support bio-diversity in old growth forests exist in the park, but in discrete stands rather mixed together. The plan proposes using the existing stand structure to provide discrete pockets of habitat across the landscape of the park; with the understanding that reducing and controlling the deer herd and invasive plant populations, and reintroducing fire or mimicking its effects over the next century, will lead the existing discrete stands to evolve into a more complex, bio-diverse forest.

The first part of the plan provides a history of the park, a description of the general current conditions of the park, an overview of forest management, and the general vision for the park. The second section describes the different forest stands of the park and gives specific management recommendations for each stand. The third section is a specific 10 year timeline of actions. The map section contains maps of the stands, soils, parent material, resource protection areas and aerial photographs. The appendices contain additional information on forest management techniques and habitat considerations for a variety of animals.

E. Ten Year Time Line of Actions from VaDoF Study and Plan

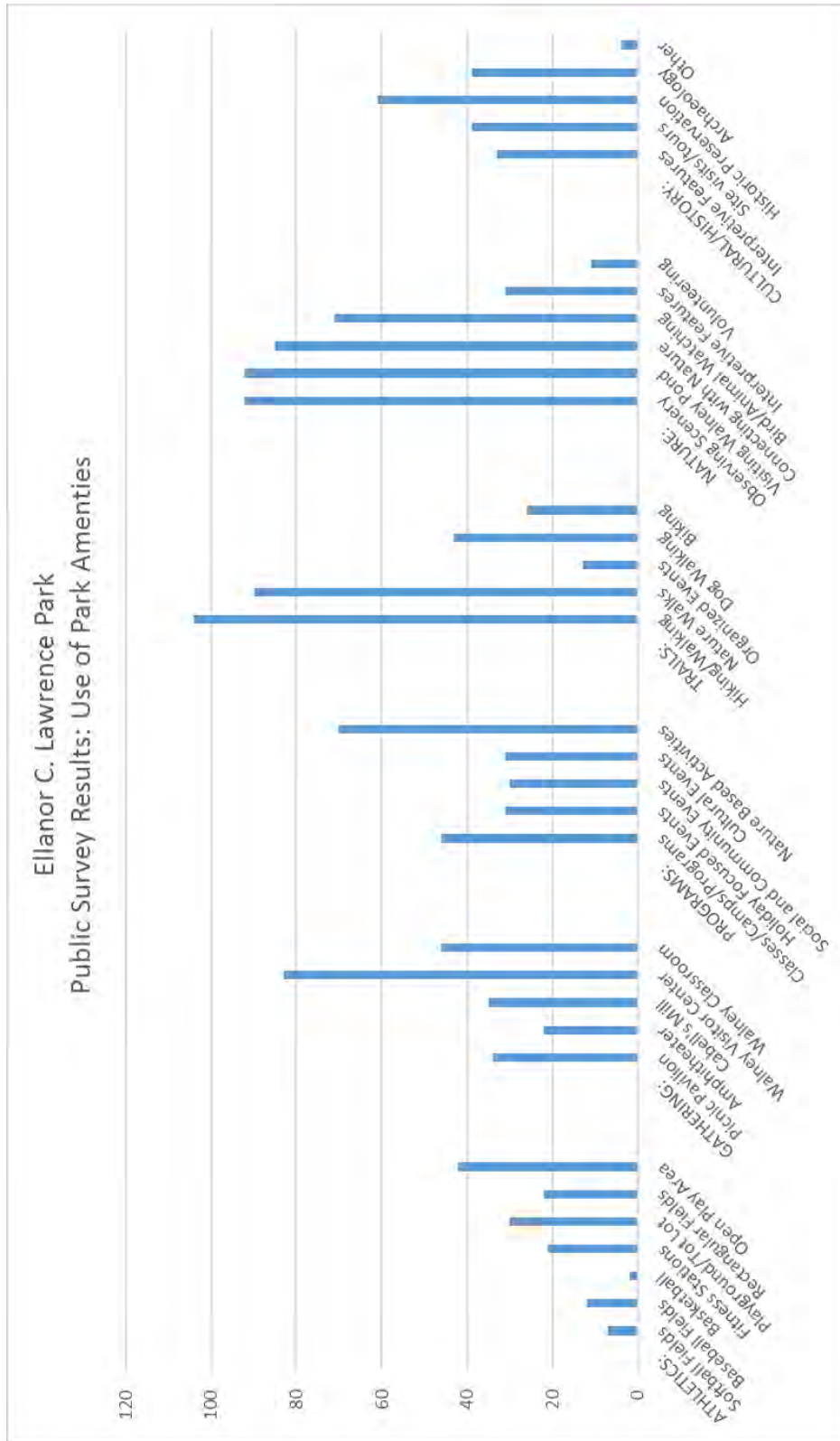
Ten Year Time Line of Actions

This timeline distills the specific management recommendations from the stand descriptions into a list of proposed actions. To an extent this time line reflects the urgency of actions and their expense. Because of their issues, stands F and L have been considered separately.

2013	Prepare deer management plan to reduce and control deer herd.
	Begin implementing deer management plan.
	Implement early detection rapid response to prevent invasion of stands not already heavily invaded by non-native invasive plants.
	Conduct an understory burn in stand J.
	Begin invasives control in Stand G using triclopyr based herbicide and late July cutting of stiltgrass.
	Perform a crop tree release on part of the eastern section of Stand A.
	Address erosion of old road bed in Stand B.
	Begin stilt grass eradication in Stand H.
	Girdle 5 large hickories in Stand K.
2014	Continue deer management and EDRR.
	Monitor results from release performed on stand A.
	Continue invasive management in Stands G and H
	Determine direction of Stand P and begin implementing management recommendations to achieve desired outcome.
	Install erosion control in Round Lick Run in conjunction with Northern Virginia Soil and Water conservation District.
	Burn Stand C.
2015	Continue deer management and EDRR.
	Monitor results from release performed on stand A.
	Mark stands A, B, C, D, H, J, N, O, P, and the riparian part of stand Q for thinning. Delineate boundaries of Stand E for clear cutting.
	Develop invasive management plan for thinned and cut over stands based on experience with Stand A.
	Continue invasive management in Stands G and H.
2016	Continue deer management and EDRR.
	Continue invasive management in Stands G and H.
	Monitor results from release performed on stand A.
	Sell marked timber in stands A, B, C, D, E, H, J, N, O, P, and Q.
	Conduct crop tree release and /or timber stand improvement in Stand G and begin introduction of native warm season grasses.
2017	Continue deer management and EDRR.
	Continue invasive management in Stands G and H.
	Implement invasive management plan for stands A, B, C, D, E, H, J, N, O, P, and Q.
	Plant Stand E with Short Leaf Pine
2018	Continue deer management.
	Continue invasive management.
2019	Continue deer management.

	Continue invasive management.
2020	Continue deer management.
	Continue invasive management.
	Conduct chemical release of shortleaf pine in Stand E at end of growing season.
2021	Continue deer management.
	Continue invasive management.
2022	Continue deer management.
	Continue invasive management.

Appendix B: Community Input and Survey Results



ELLANOR C. LAWRENCE PARK



Park Master Plan Revision 2017
Park Authority Board
September 13, 2017

Project Status

- Park Authority Board review on April 26, 2017
- Public Comment Period
- Public Comment Meeting on June 8, 2017
- Subsequent Stakeholder Input
- Plan Revisions
- Plan Approval



Public Engagement

- High support for trails and nature-based recreation/education
- Desire to maintain natural character of the park
- Highly valued programming and classes
- Active Recreation Area is heavily used
- Transportation/pedestrian safety concerns
- Desire for a skate park
- High support from SYA/athletic fields
- Pedestrian/neighborhood connections
- Walney Pond/Middlegate reinforced as highly valued by the community

Public Engagement



"I love this park and don't think it needs to be changed. You could add more trail markings or even add more trails!"

"Would really like to see an enhanced area for kids!"

"More lighted rectangular artificial turf fields."

"We need a skate park."

"No more athletic fields!"

"I would like to see more trails created."

"I would like to see the focus on preserving history, nature, and the general enjoyment of the outdoors."

"Provide improved and safe pedestrian trail access to the park at the corner of Walney Road and Poplar Tree Road."

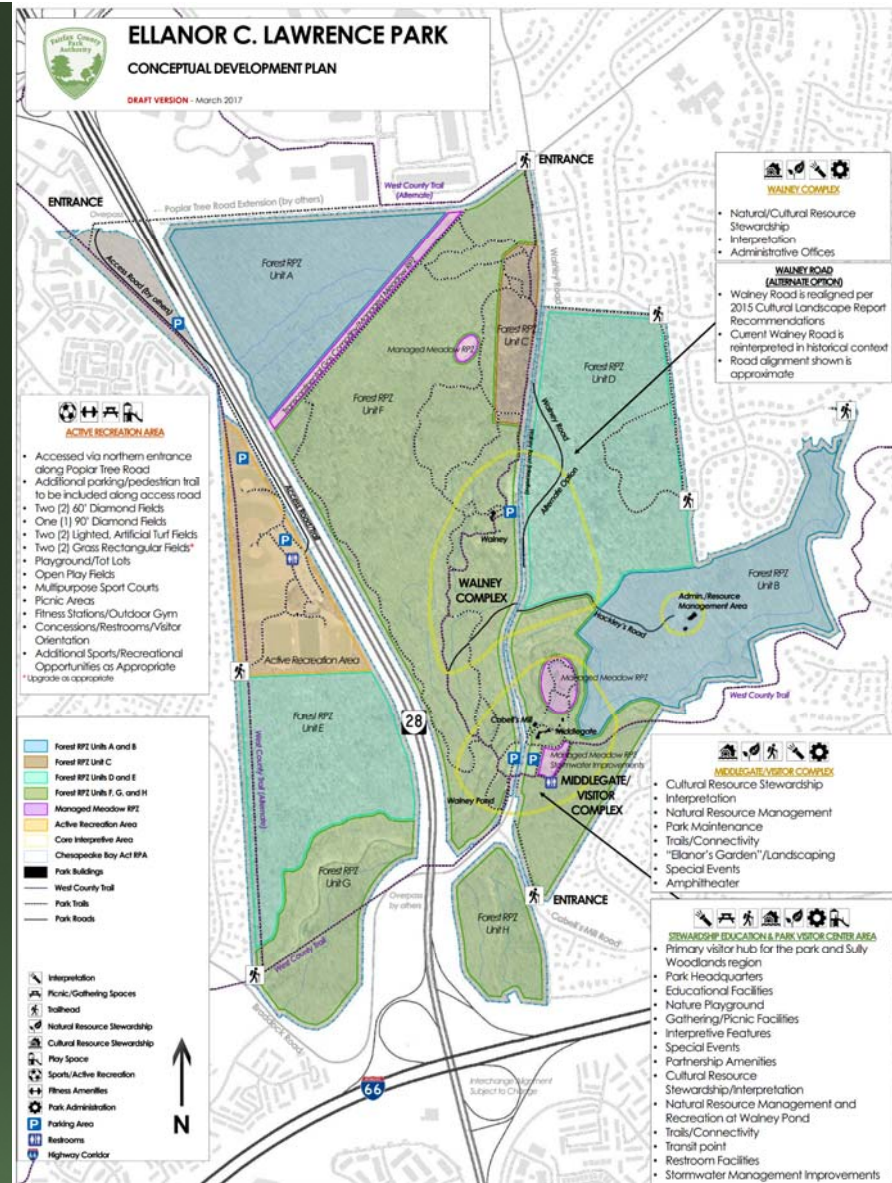
"Walney has been a favorite place to walk my dog and photograph nature for nearly 20 years."

"More interest given to the upkeep of the wild areas."

"I would love a tot lot near the hiking trails."

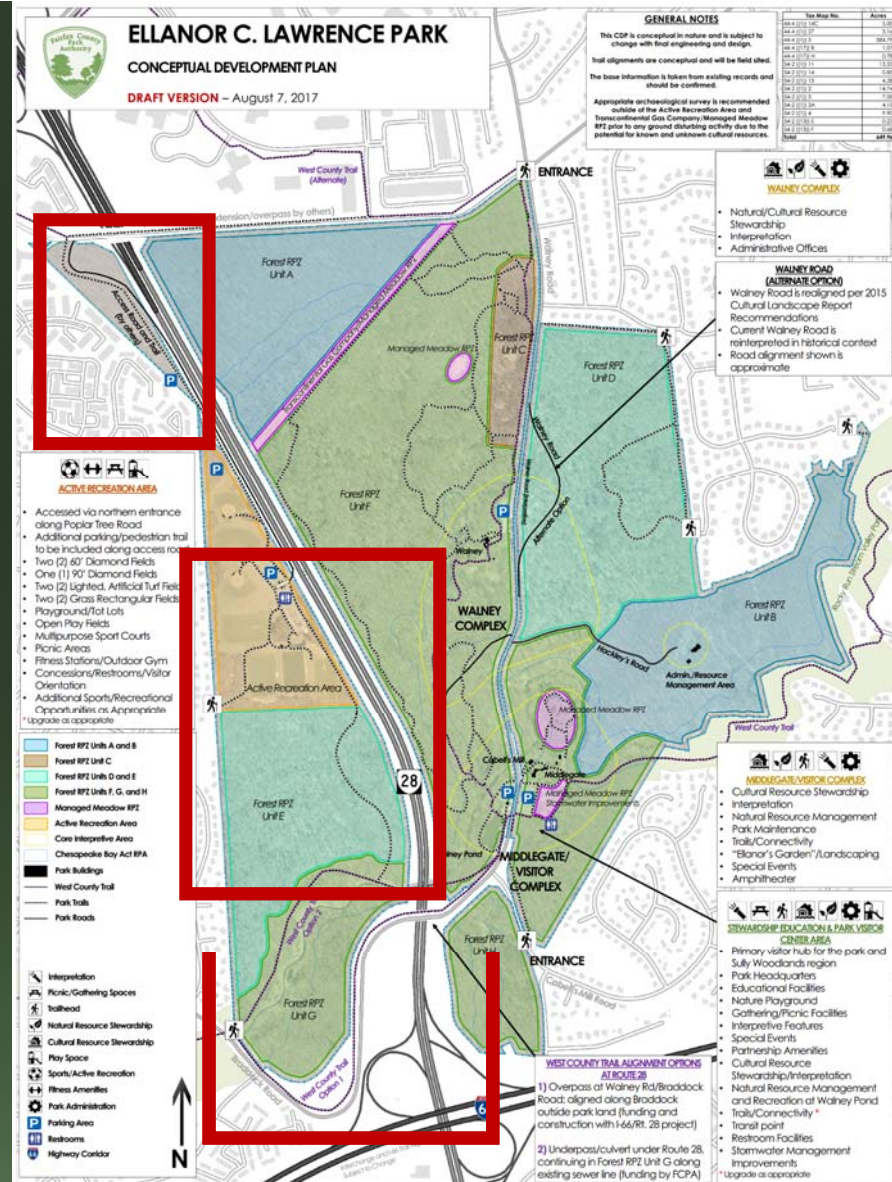
Draft Master Plan – April 2017

- Resource Protection Zones/Management
- Core Areas at Middlegate and Walney
- Active Recreation Area
- Transportation Improvements
- Trails and Connectivity
- Interpretation and Resource Management
- Sully Woodlands Plan Alignment/Stewardship Education Center



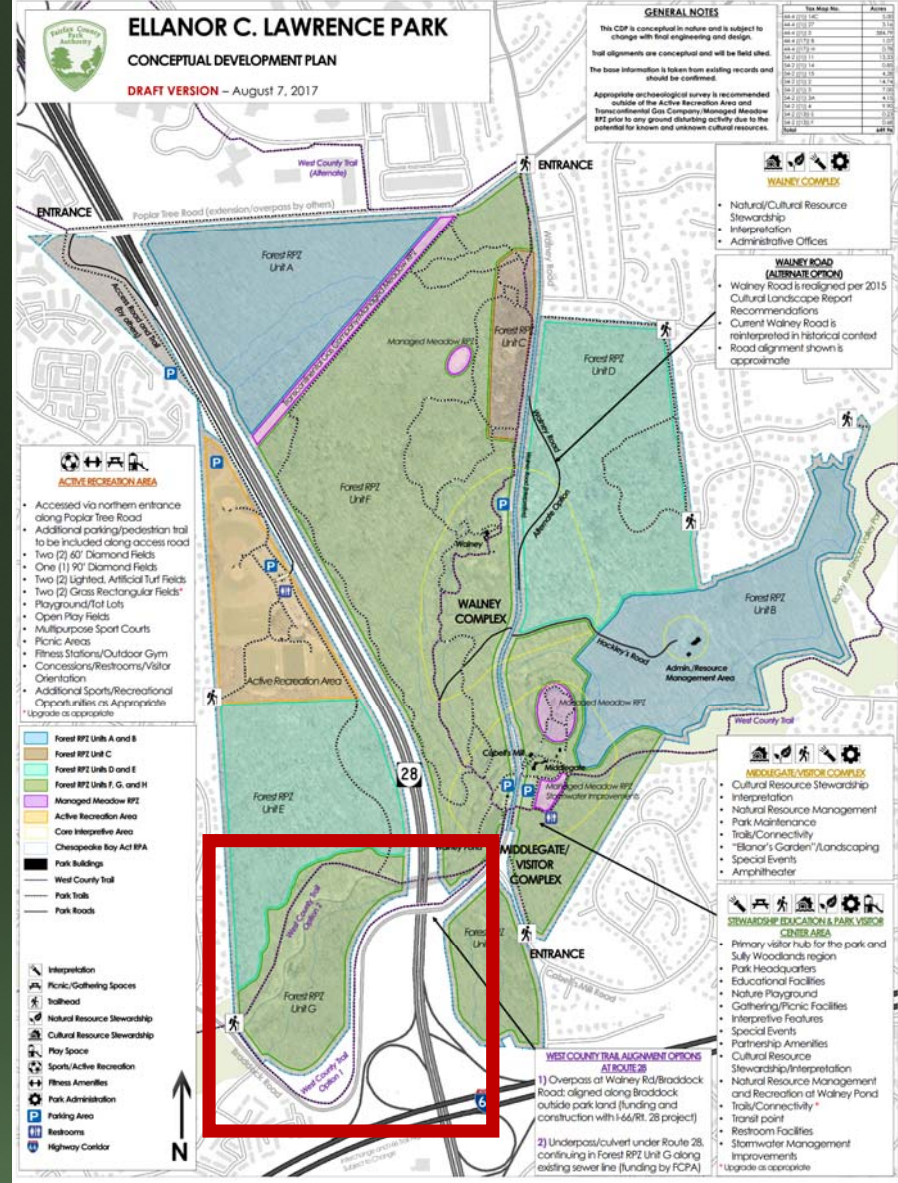
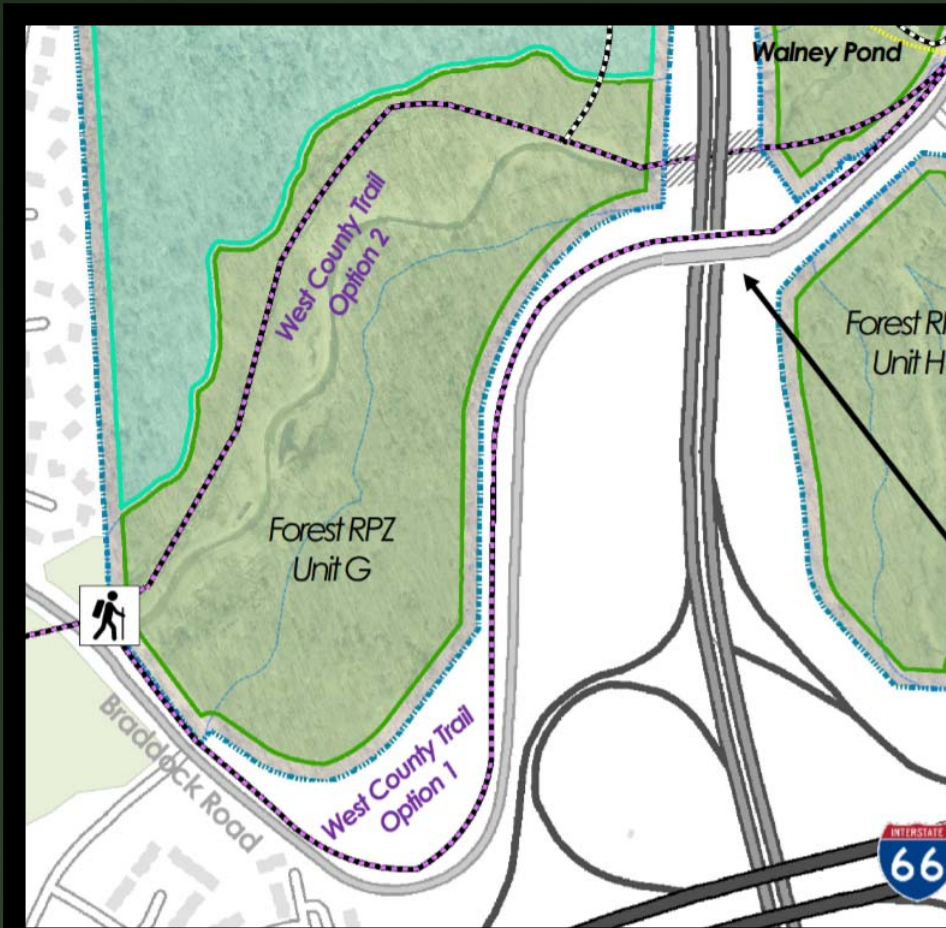
Draft Master Plan – September 2017

- Transportation Improvements/Impacts
- Trail Alignments
- Middlegate/Visitor Complex
- Park Access Road



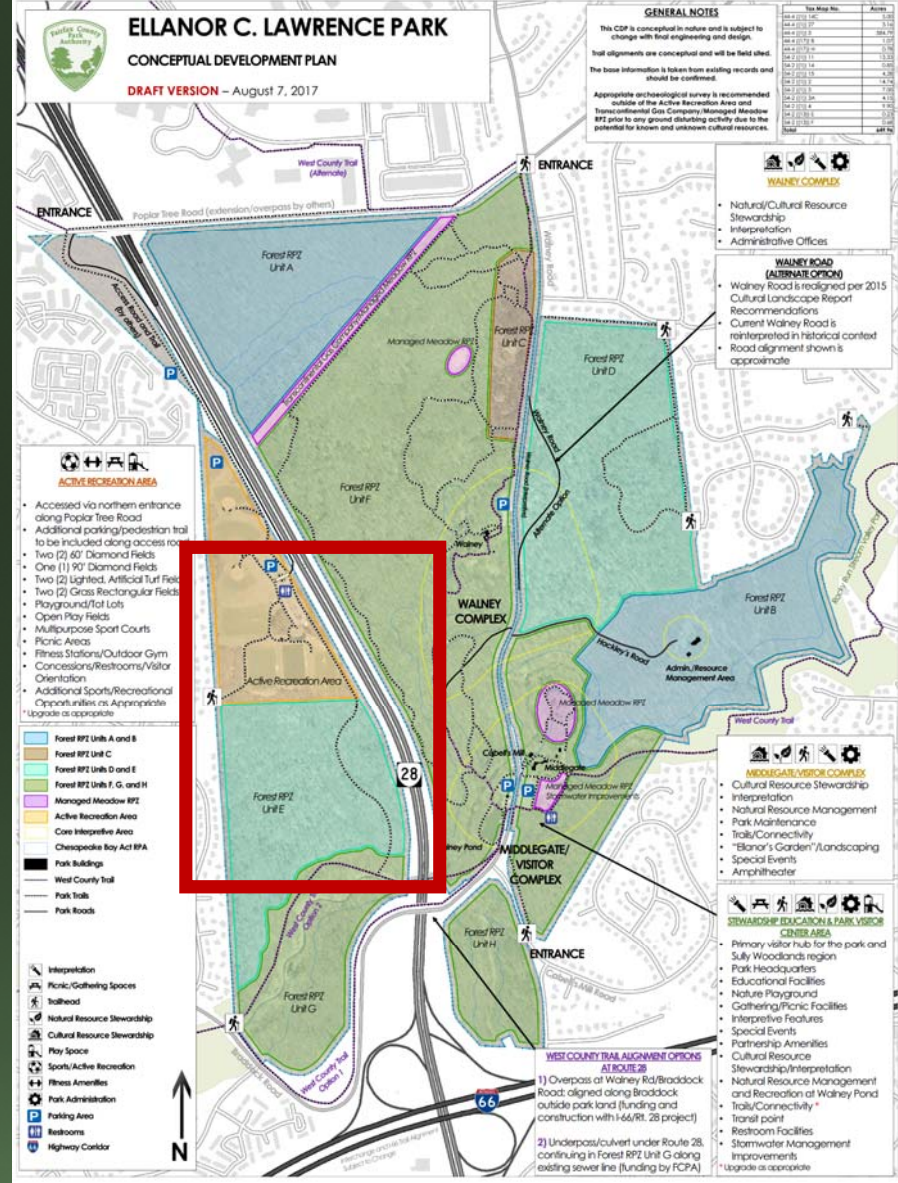
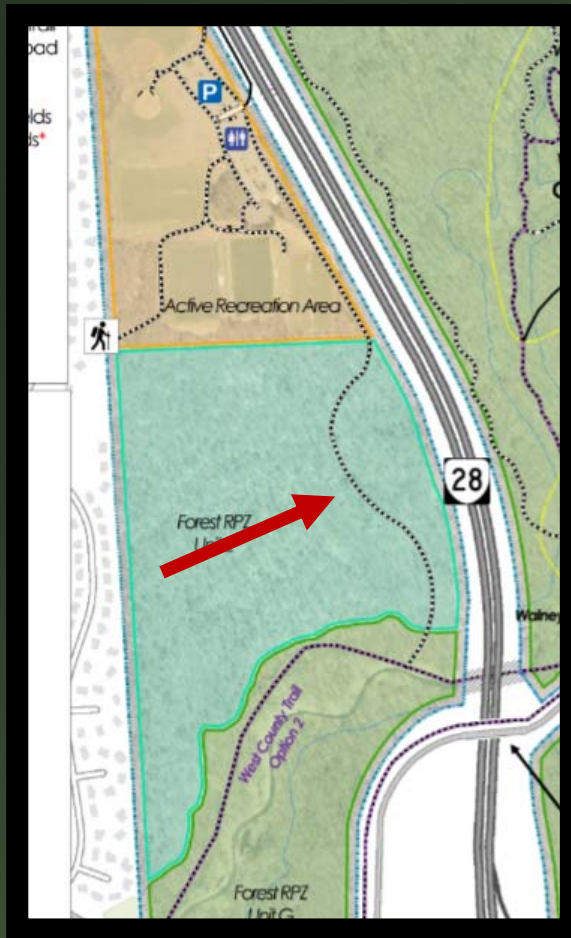
Draft Master Plan – September 2017

Trail Alignments



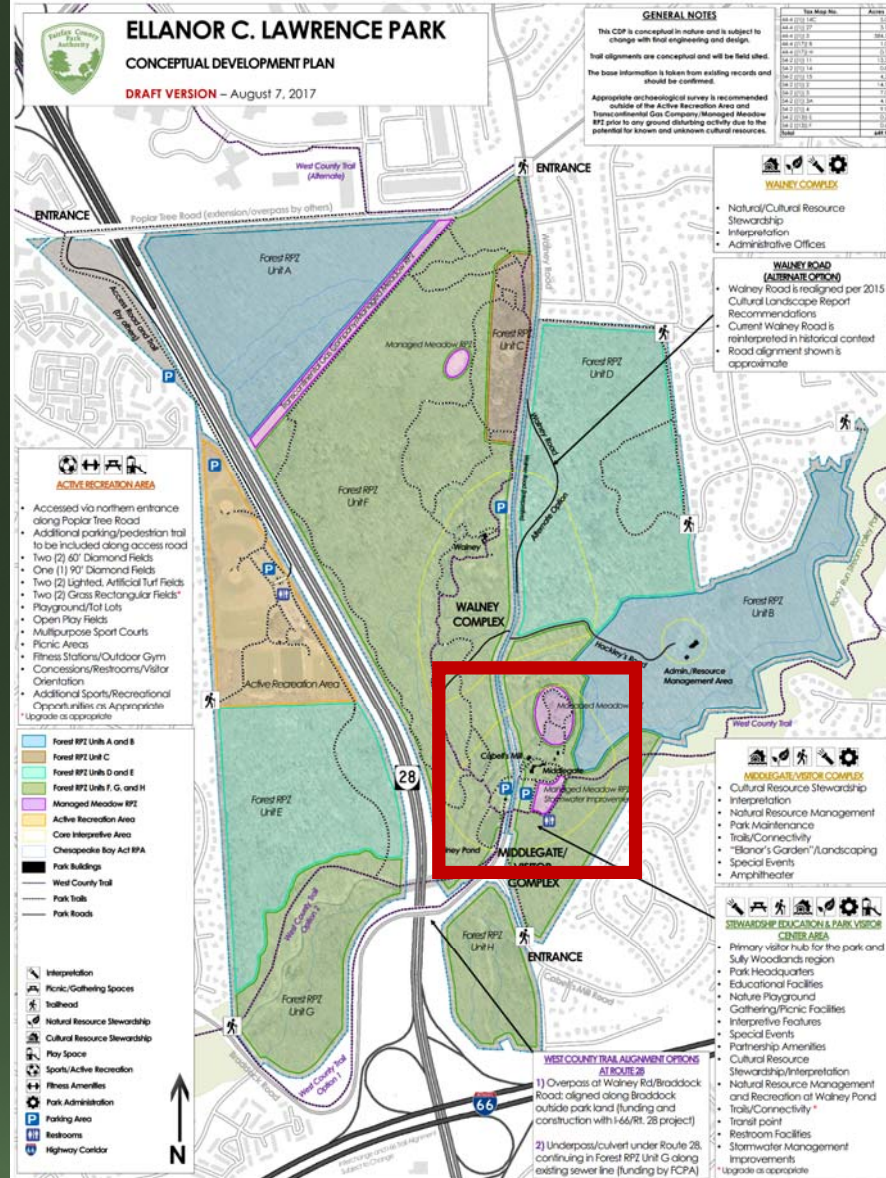
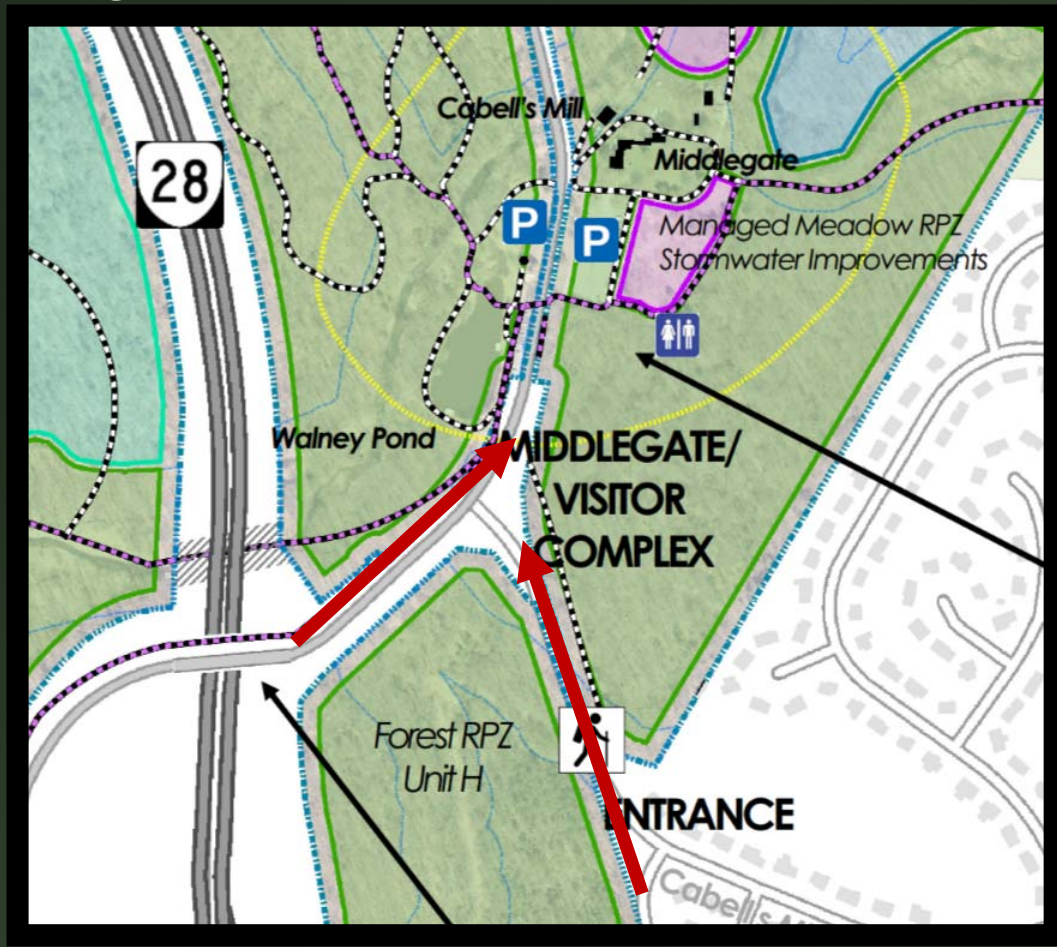
Draft Master Plan – September 2017

Trail Alignments



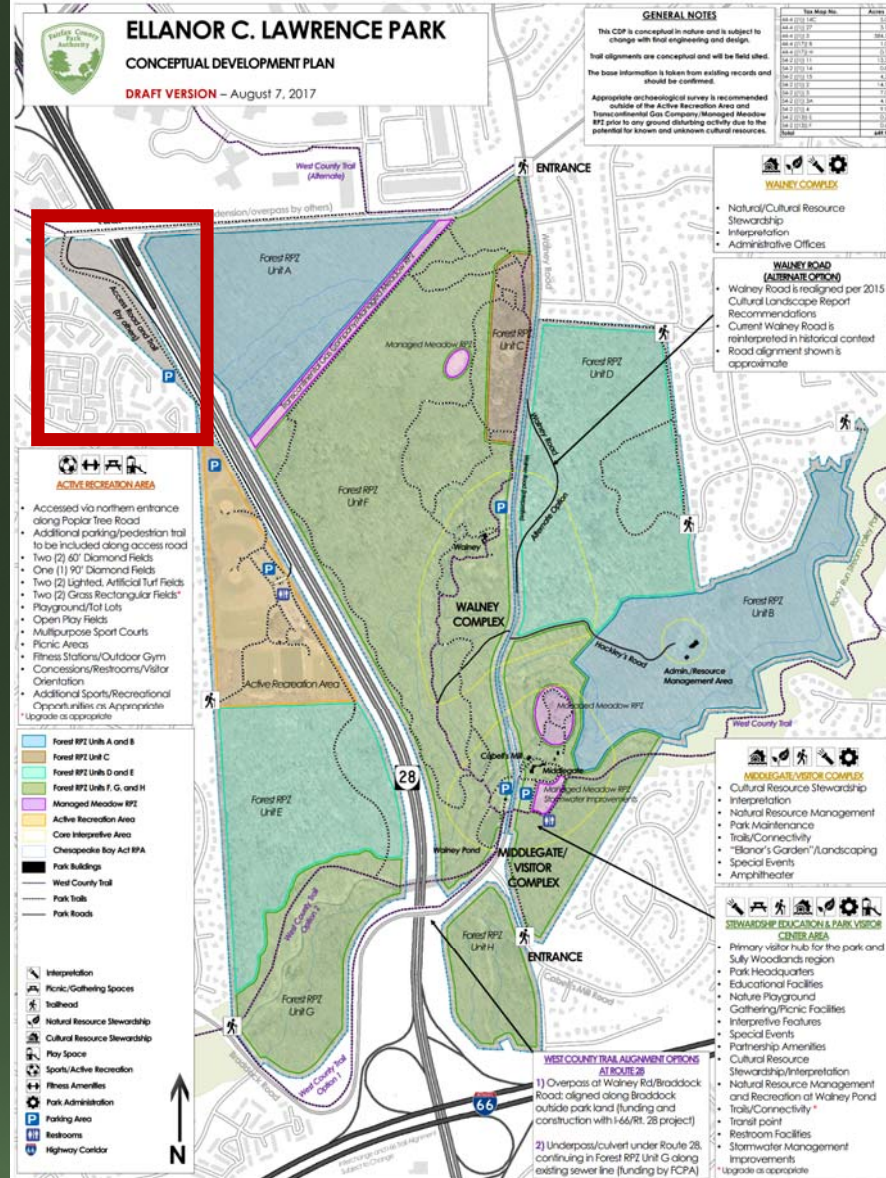
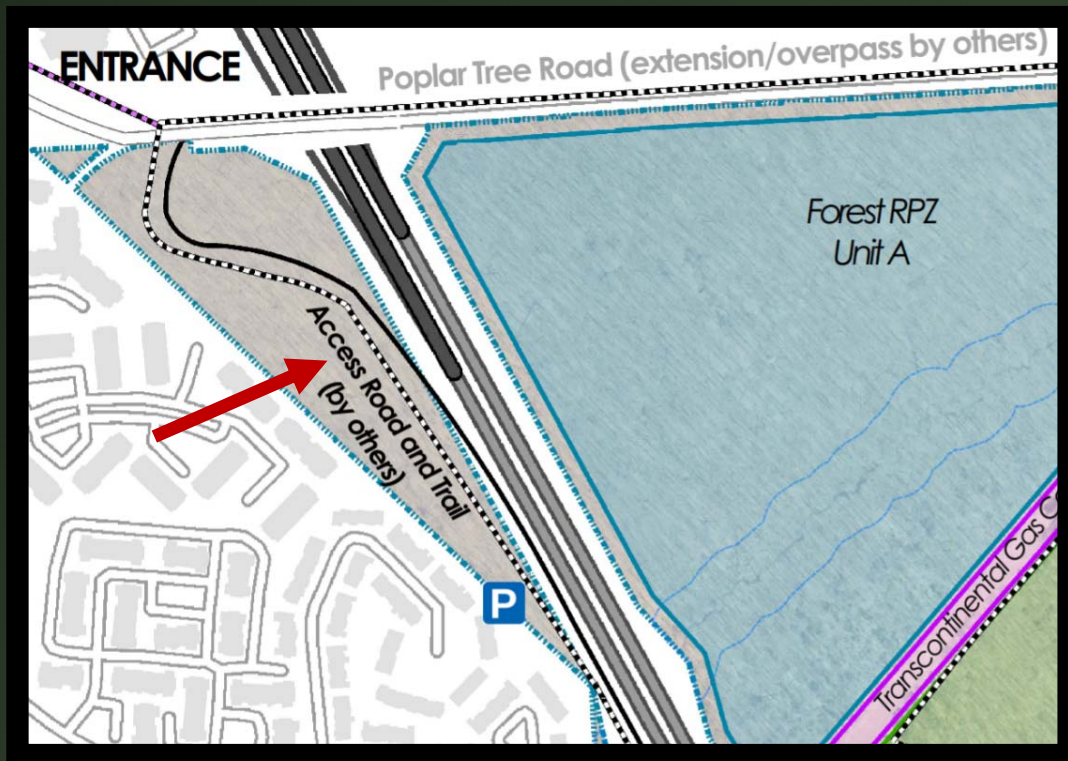
Draft Master Plan – September 2017

Middlegate/Visitor Complex



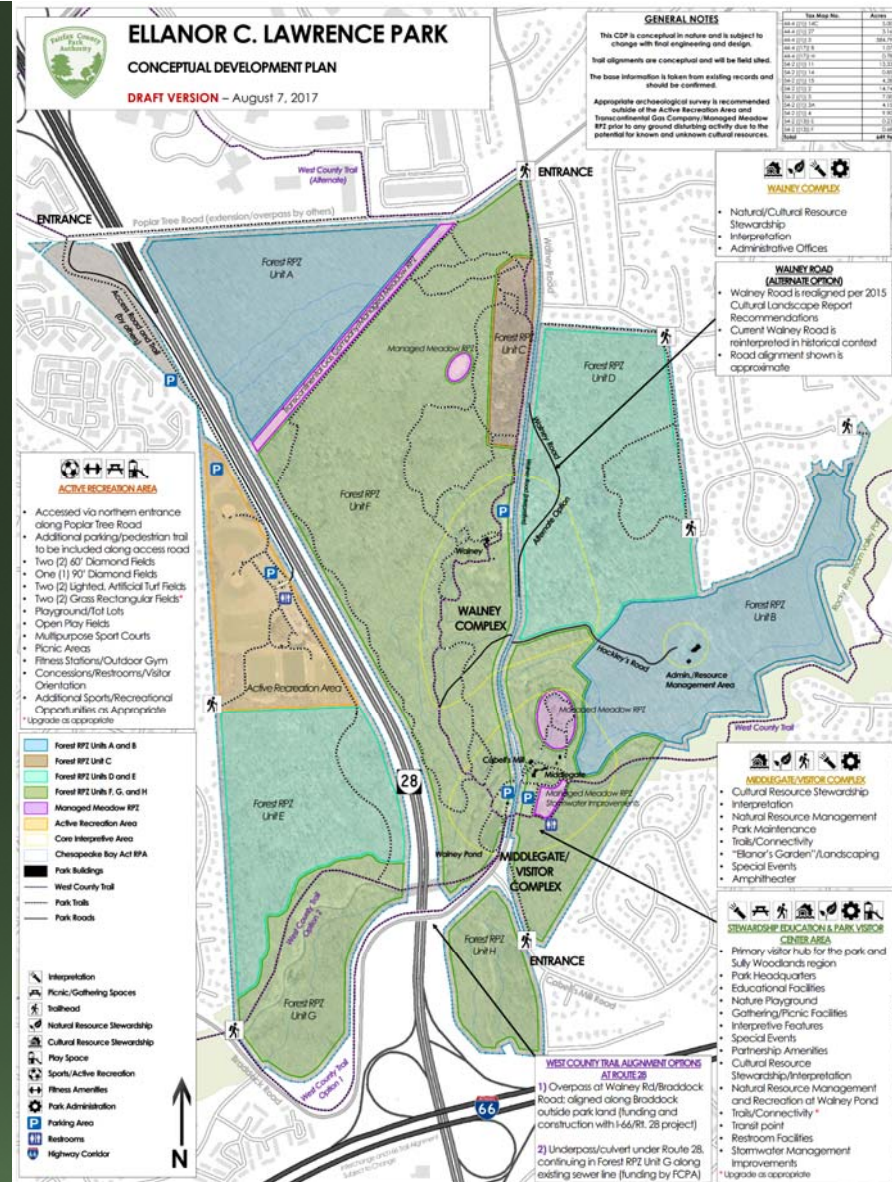
Draft Master Plan – September 2017

Park Access Road and Trail (by VDOT)

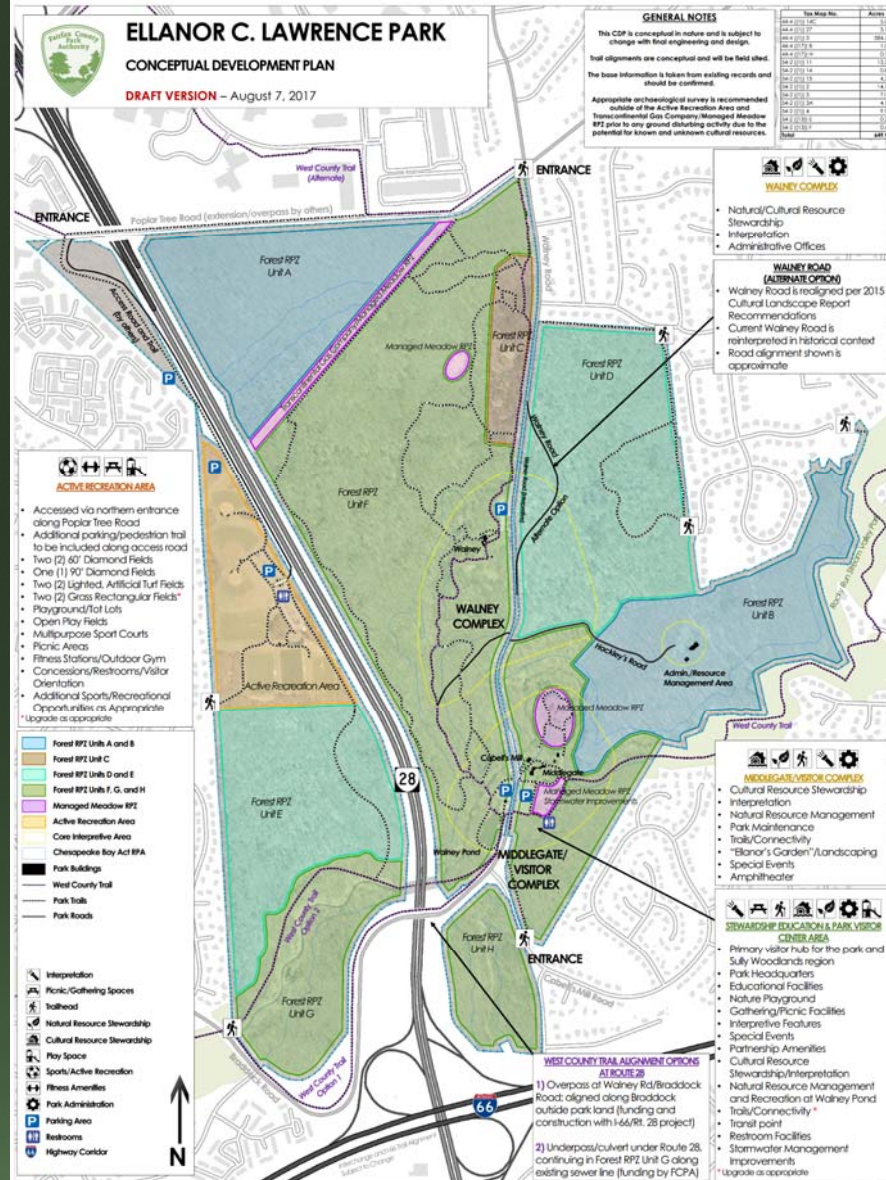


Other Considerations

- Future Skate Park at the Active Recreation Area
- Exclusion of some proposed trails due to natural/cultural resource impacts
- Master Plan approval and VDOT's transportation construction timing
- Neighborhood Connectivity: Also recommended Comprehensive Plan amendments for the Dulles Suburban Center



Questions?



INFORMATION

Draft Turner Farm Park Master Plan Revision for Public Comment (Dranesville District)

Located at the intersection of Georgetown Pike and Springvale Road, Turner Farm Park contains a former National Defense Mapping Agency observation tower, a roll-top observatory, equestrian facilities, the Turner Farm House, a playground, and a picnic area on 56 acres (Attachment 1). Classified as a Countywide Park, Turner Farm Park provides a unique opportunity for county residents to understand the county's agrarian past and Cold War history, to observe the night sky, and enjoy equestrian facilities.

On June 27, 2017, staff held a Public Information Meeting to kick off the public master plan revision process for Turner Farm Park. The main purpose of the master plan revision is to incorporate the three parcels added to the park since the previous master plan was approved and to allow for the Resident Curator Program (RCP) use which will provide a tenant to care for the historic Turner Farm House. The approximately 63 attendees were supportive of the new master planning effort, and asked that the park remain mostly as it is, supporting the equestrian and astronomy uses.

Taking into consideration the public input, staff expertise, site conditions, and existing master plan, a draft master plan revision was prepared by the multi-discipline staff team. The planning process took into account public access, site assets, and constraints while evaluating alternatives to determine the best possible options. This draft master plan shows an astronomy zone, with observatories and garden; an equestrian area with riding arenas, parking and trails; a family recreation area with picnic pavilion and playground; an open play area; the Resident Curator Program area including the Turner Farm House; Barn Area; Resource Protection Zones (RPZs); and associated supporting facilities such as parking and restrooms (Attachment 2).

To continue to engage community members, the draft master plan revision will be published to the project web page and staff will conduct a Public Comment Meeting in October 2017. Public comments on the draft plan may be presented at this meeting or in various other ways during the 30-day public comment period following the public comment meeting. The public input received will further inform the planning and decision making process. Refinements to the plan may be made, if necessary, based on public input and the final plan will be presented to the Park Authority Board to consider approval in December 2017.

Board Agenda Item
September 27, 2017

FISCAL IMPACT:

This master plan revision provides the ability to implement the Resident Curator Program to restore and maintain the historic Turner Farm House as well as improve upon the unique astronomy and equestrian services at Turner Farm Park. The Park Authority will need to continue to provide regularly scheduled maintenance for the park facilities, much as is currently done. Master Planning and maintenance are generally funded by the General Fund, while park construction is typically funded through park bonds.

ENCLOSED DOCUMENTS:

Attachment 1: Vicinity Map

Attachment 2: Draft Turner Farm Master Plan Revision

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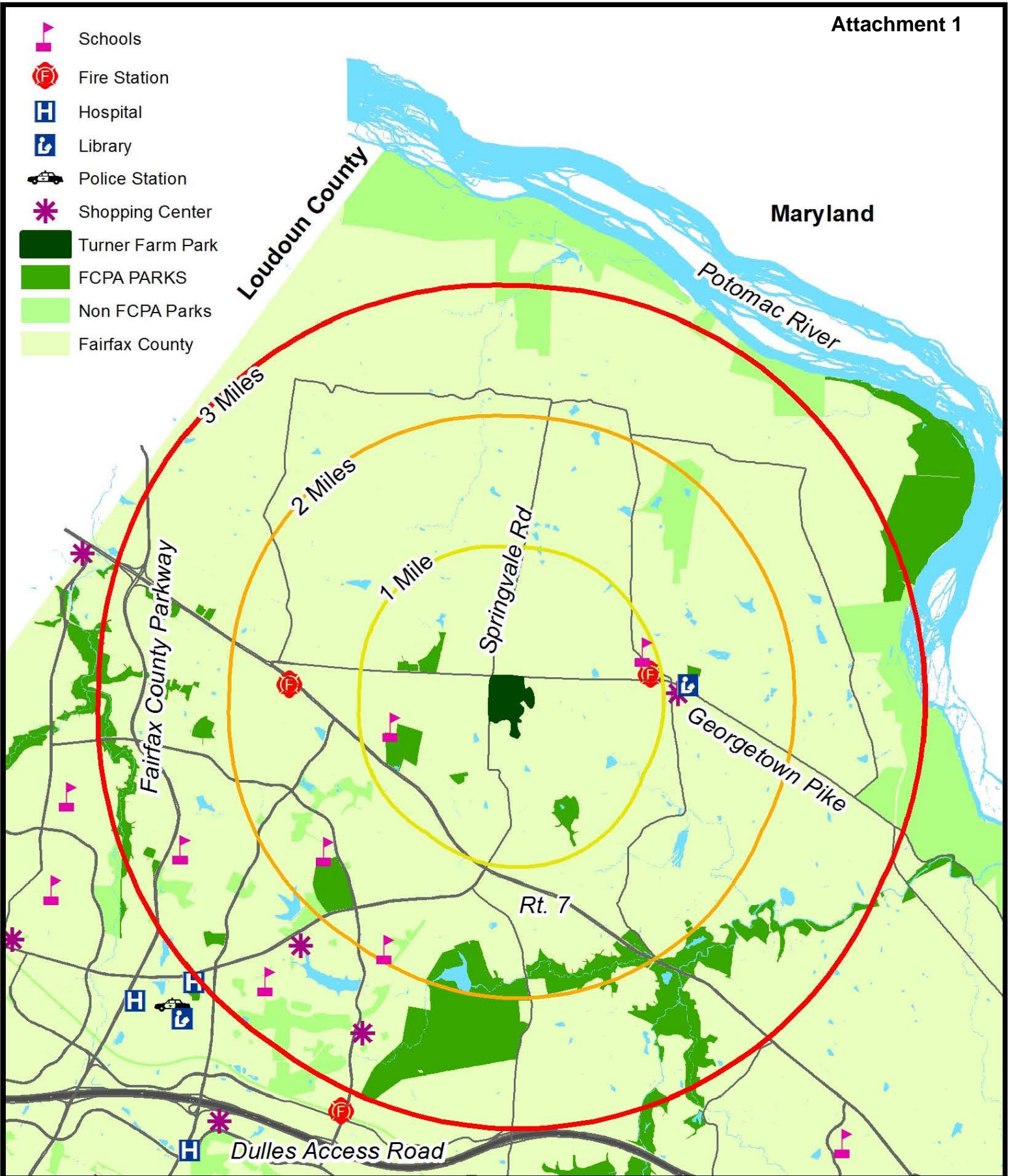
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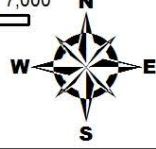
-  Schools
-  Fire Station
-  Hospital
-  Library
-  Police Station
-  Shopping Center
-  Turner Farm Park
-  FCPA PARKS
-  Non FCPA Parks
-  Fairfax County




**FAIRFAX COUNTY
PARK AUTHORITY**
12055 Government
Center Parkway, Suite 406
Fairfax, VA 22035-1118

VICINITY MAP
TURNER FARM PARK MASTER PLAN
925 SPRINGVALE ROAD, GREAT FALLS, VA

0 3,500 7,000
Feet



2017 July 28

**Fairfax County
Park Authority**

**Turner
Farm
Park
Master Plan**

**Approved July 26, 2000
Draft Revision August 2017**



ACKNOWLEDGEMENTS

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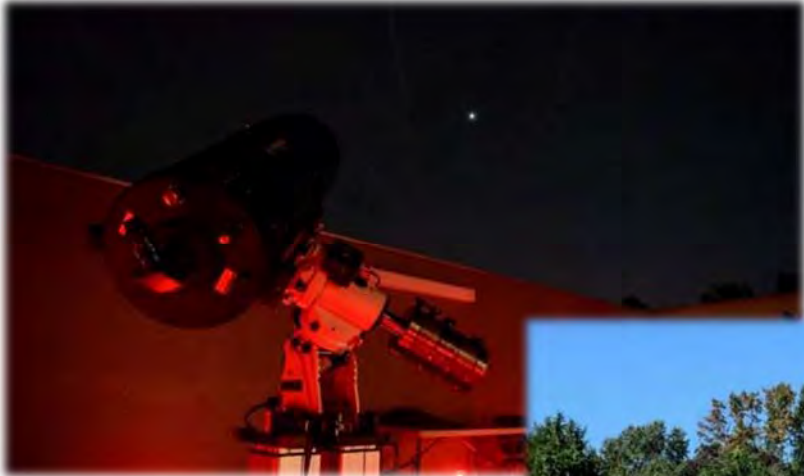
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I. INTRODUCTION

Fairfax County is a thriving community that is home to more than one million residents and the base for over two hundred million square feet of commercial, industrial and retail space. The county's residents and work force all uniquely benefit from the more than 23,000 acres of parkland and the myriad of recreational opportunities provided throughout the county. In 1950, the Fairfax County Park Authority was established with the charge of developing and maintaining the viability of this expansive system of parkland and facilities. Through the provision of quality facilities and services as well as the protection of the county's cultural and natural resources, the Park Authority seeks to improve the quality of life for the county's residents today and well into the future.

To achieve its long-range objectives, the Park Authority has established a consistent and equitable process for the planning of park property and facilities. A key part of this process includes development of park master plans, specific to each park and intended to establish a long-range vision towards future park uses and site development.

A. PURPOSE & PLAN DESCRIPTION

The purpose of a park master plan is to create a long-range vision for a park by determining the best uses, facilities, and resource management for a specific site. During the planning process, the park is evaluated in the context of the surrounding community and as one park of many within the Fairfax County park system. The approved master plan then serves as a long-term decision-making guide to be consulted before the initiation of any detailed planning efforts, design/construction projects, resource management activities, or programming. The park master plan provides guidance for uses and facilities considered



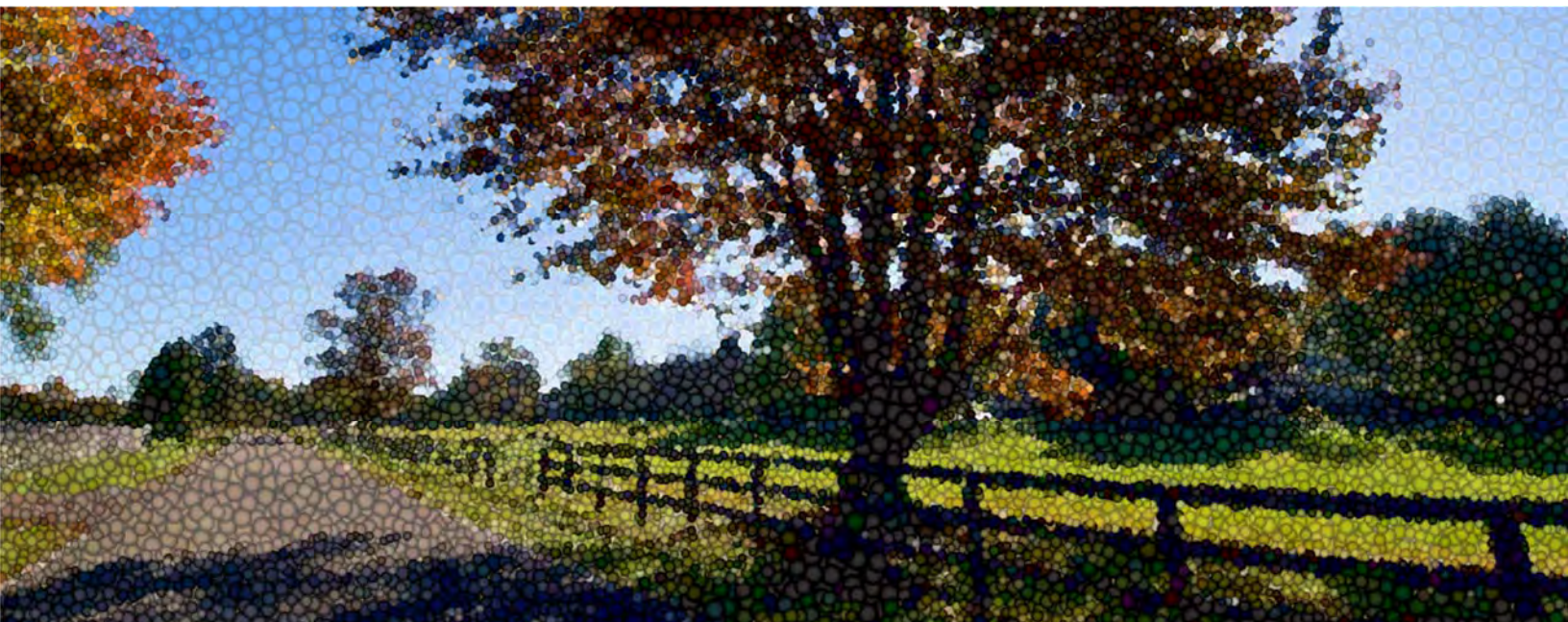
appropriate within a given park as well as the general locations for those uses. Prior to implementation, these features will require additional analysis related to funding, space programming, design, and engineering. By intent, master plans are general in nature, which allows flexibility to respond to changes in the needs of park users as well as advancements in management practices while respecting the park's overall purpose and character. Park master plans may periodically be updated to reflect changes that occur over time within the park and the surrounding community.

The primary purpose of this revision to the Turner Farm Park Master Plan is to incorporate three parcels of land acquired subsequent to the 2000 master plan approval as well as to address implementation of the Resident Curator Program. The Resident Curator Program is a program administered by the Board of Supervisors, created to help care for historic structures on publicly-owned land throughout the county, such as the Turner Farm House. Additionally, this master plan revision reflects knowledge gained through 17 years of park operations, continued research on resources in the park, as well as changes in community usage patterns and preferences. This plan also capitalizes on opportunities to enhance management of the site's natural and cultural resources while emphasizing efficiency in delivery of park services and programs appropriate to this park. The revised master plan will help Turner Farm Park continue to meet the needs and interests of county residents today while ensuring protection of the park's important resources for the benefit of future generations.

B. PLANNING PROCESS & PUBLIC INVOLVEMENT

The Park Authority initiated the public process of updating the Turner Farm Park Master Plan on June 27, 2017, with a public information meeting attended by approximately 63 community members. Public input centered on retaining the park's pastoral character, equestrian, and astronomical facilities. Suggestions were made to enhance management of the park's environmental features, address safety and circulation concerns, expand trail connectivity, improve site access and maintenance, increase programming, and address financial sustainability concerns. Many spoke to the value provided by the park to the community.

Consideration of all public input along with an evaluation of existing site conditions, planned management of natural and cultural resources, site management needs, and evaluation of broader park network needs were integrated to form the basis of the draft master plan. This draft was published for review and presented at a public comment meeting on **October TBD, 2017.** The plan was revised based upon this public input, and approved by the Park Authority Board on **December TBD, 2017.**



II. PARK BACKGROUND

A. LOCATION & GENERAL DESCRIPTION

Turner Farm Park is located in the Dranesville Supervisory District at 925 Springvale Road in Great Falls. The park provides opportunities for outdoor recreation and enjoyment of nature across its 56 acres. Contained within the park are a former National Defense Mapping Agency observation tower, a roll-top observatory, equestrian facilities, the Turner Farm House, barn, outbuildings, playground, picnic area, parking lot, trails, stream, and several stands of mature trees. Based on the Park Classification System established in the Fairfax County Comprehensive Policy Plan, Turner Farm Park is considered a Countywide Park, providing unique opportunities for county residents to understand the county's agrarian past and Cold War history, to observe the night sky, and enjoy equestrian facilities. Park visitors access the park via three vehicular entrances from Springvale Road and Georgetown Pike.

B. CONTEXT

Turner Farm Park is surrounded primarily by single family residential neighborhoods, most of which were constructed in the 1980s, with a church located directly across Georgetown Pike to the north (Figure 1). The park is located in the Hickory Community Planning Sector (UP3) of the Upper Potomac Planning District as described in the Fairfax County Comprehensive Plan. Surrounding land uses are planned, zoned, and developed with residential uses developed at densities ranging from one to five units per acre. Turner Farm Park is zoned to the R-1 Residential District that allows for residential use at one dwelling unit per acre as well as for public facilities such as parks and schools. Within three miles of Turner Farm Park, there are six schools, 20 county parks, a segment of the Potomac Heritage National Scenic Trail (PHNST), Great Falls National Park, Upper Potomac Regional Park, Seneca Regional Park, The Nature

Conservancy’s Fraser Preserve, two private golf courses, the Town of Herndon’s Runnymede Park, and 20 Reston Association parks. Other public facilities within three miles include one library and two fire stations (Figure 2).



Figure 1: 2015 Aerial Photo of Park and Surrounding Area

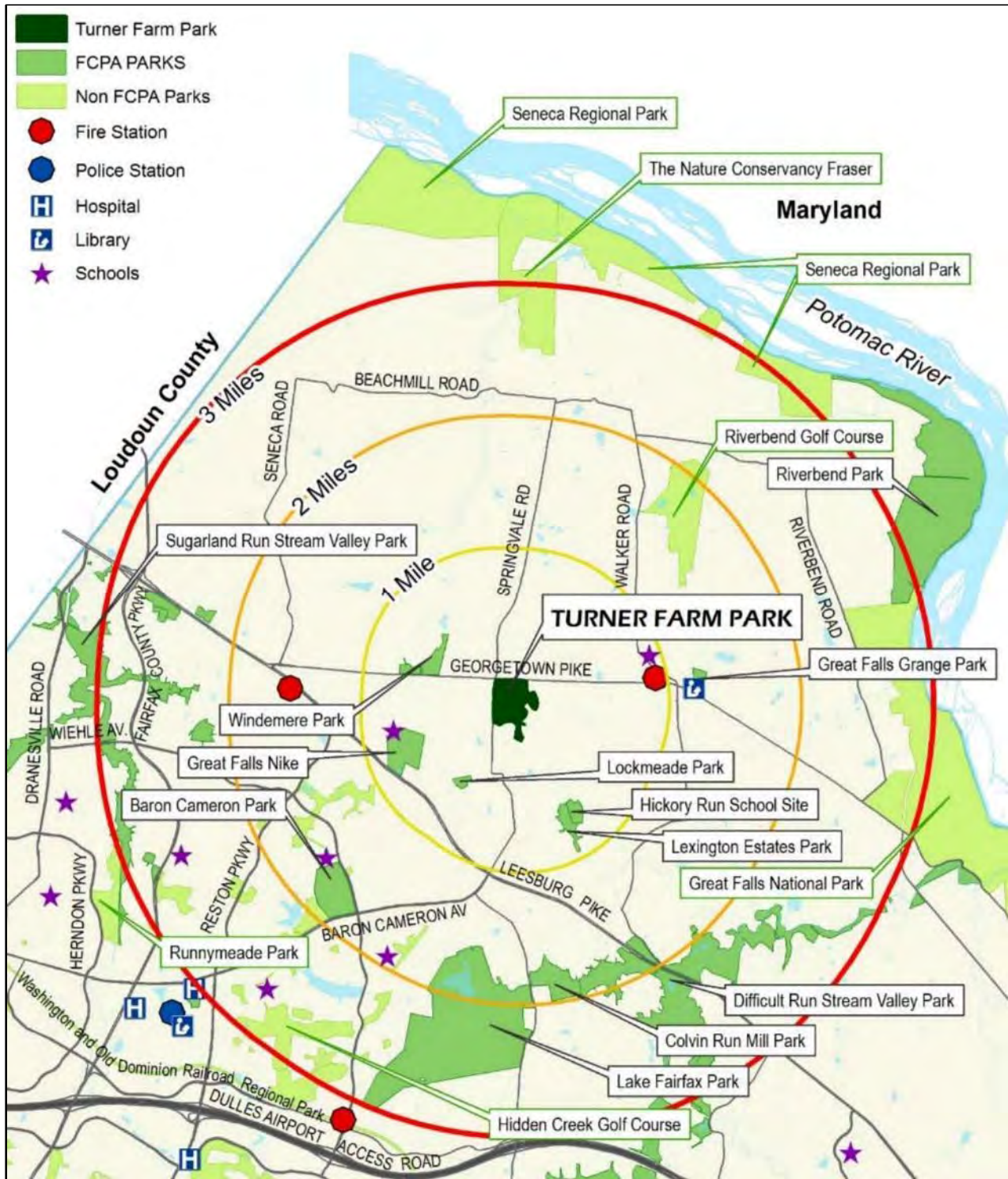


Figure 2: Parks & Public Facilities in the Vicinity of Turner Farm Park

C. ADMINISTRATIVE HISTORY

Turner Farm Park consists of six parcels identified as tax map parcel numbers 12-1 ((1)) 24, 24A1, 24B, & 24C; 12-2 ((1)) 47; and 12-2 ((10)) K, acquired for public park use by the Fairfax County Park Authority in 1975, 1999, and 2010, as shown on Figure 3.



Figure 3: Parcel Map with Acquisition Dates

Subsequent to 1975 and 1999 land acquisitions, the Park Authority sought the community’s input in development of the original master plan for Turner Farm Park, approved in 2000 (Figure 4). The master plan recommended a variety of uses including:

- Equestrian Riding Rings
- Barn
- Parking
- Observatories
- Sundials
- Picnic Area with Shelter
- Playground
- Trails
- Running Track
- Croquet Court
- Founders Wall
- Indoor Arena
- Restrooms

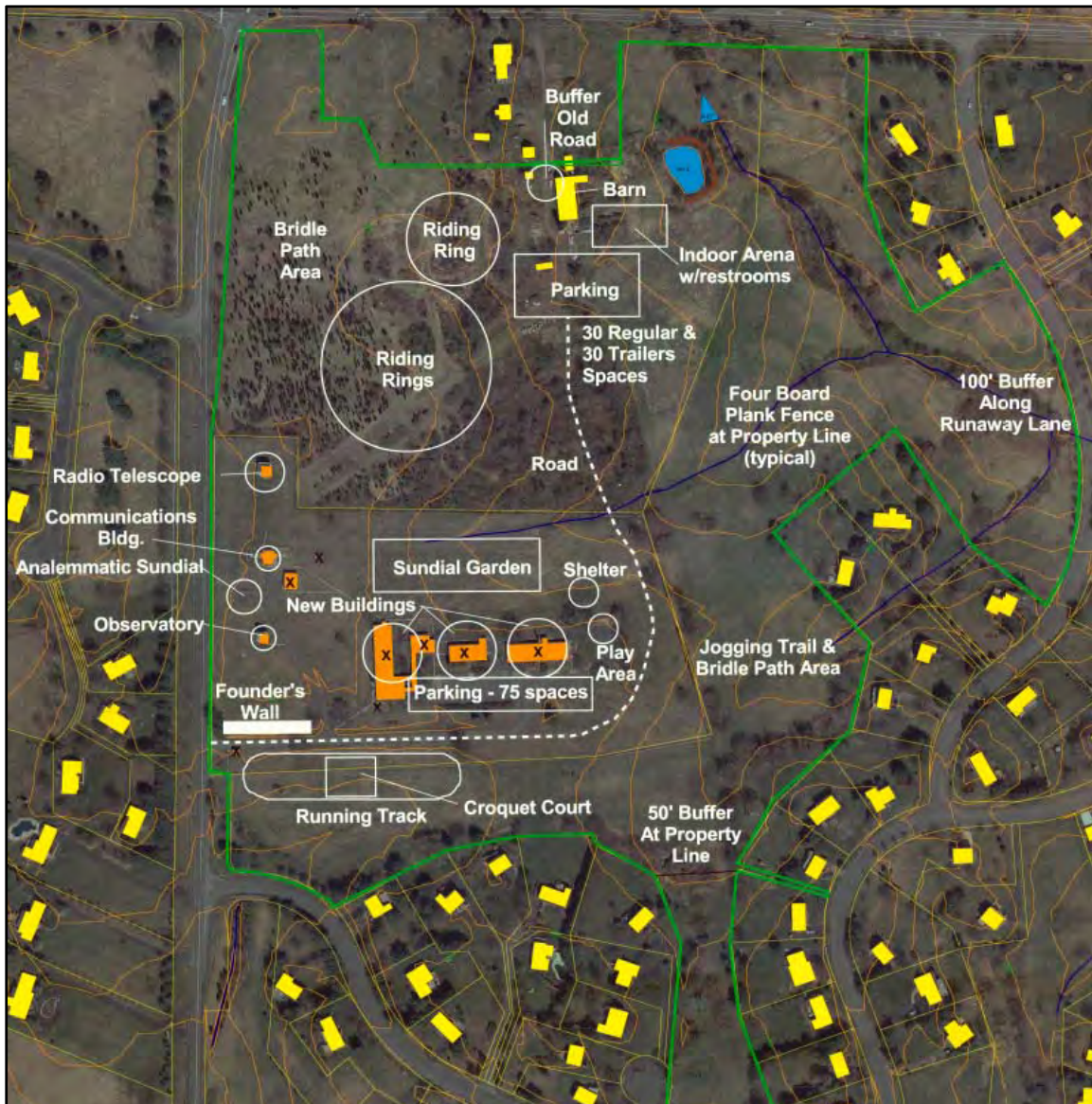


Figure 4: Features Approved with the 2000 Conceptual Development Plan

Development within the park has progressed based upon the 2000 master plan, although not all planned features have been implemented to date. Existing facilities include a portion of the planned trail system, equestrian riding areas, parking lot, two observatories, sundial garden, picnic area with shelter, playground, and barn. Additional features that exist within the park are the Turner Farm House, milk shed, and related outbuildings, associated with the 2010 land acquisition (Figure 5).

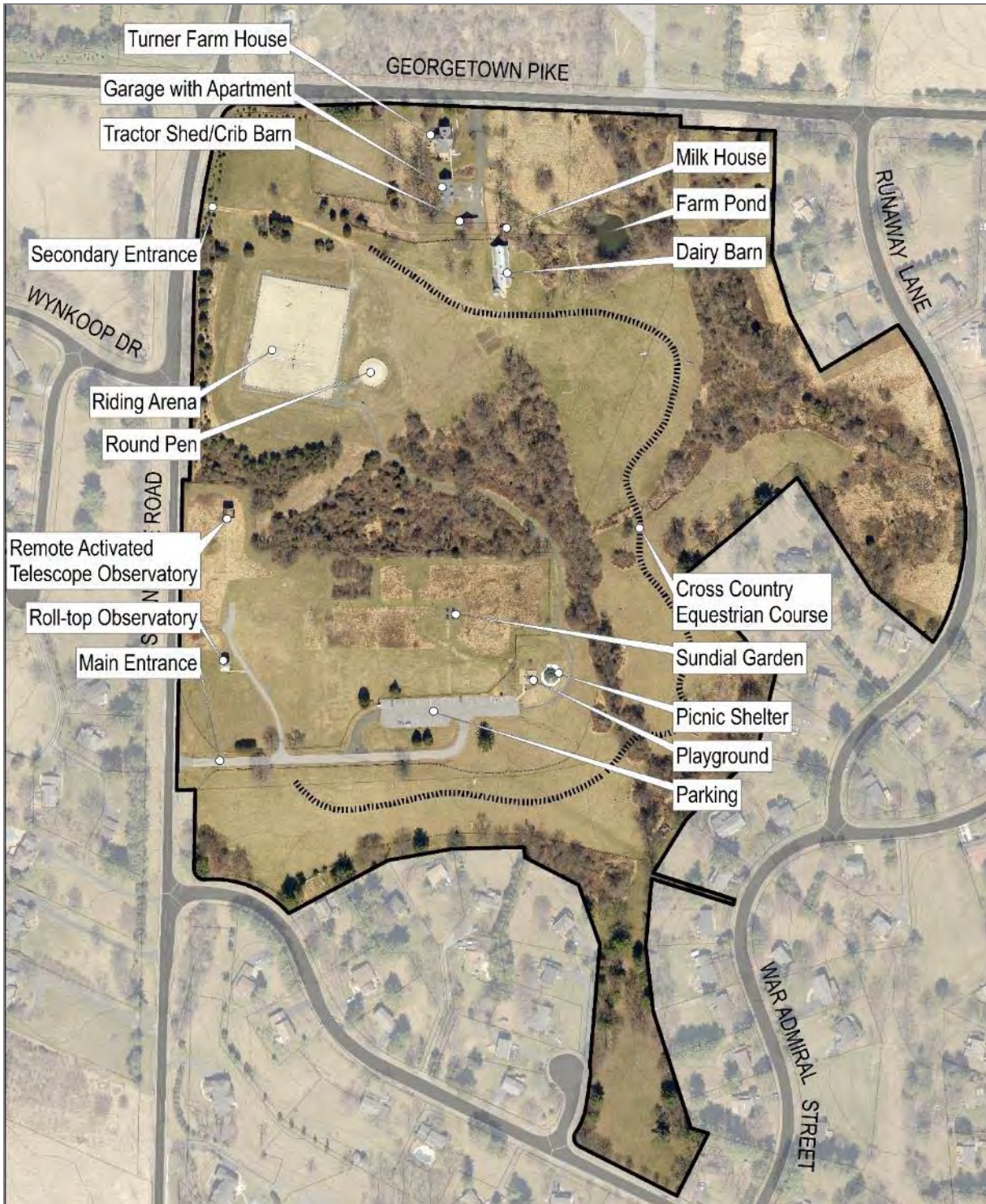


Figure 5: Existing Facilities

D. PARK CLASSIFICATION

The Fairfax County Comprehensive Plan establishes a framework intended to guide long-term planning for the county with respect to both the built and natural environments. As a component of the Comprehensive Plan, the Policy Plan addresses goals and objectives for various planning elements, including parks and recreation. This includes the Park Classification System which is intended to guide the planning of open space and facilities that is applied to all county-owned parks.

Within the Park Classification System, Turner Farm Park is classified as a Countywide Park. Countywide Parks generally offer facilities that are unique within the county's park network and, therefore, are expected to serve residents from across the county as well as locally. They may also contain areas designated for natural and/or cultural resource protection and/or interpretation. A variety of park facilities are appropriate in Countywide Parks. Due to the draw to a broader variety of county residents, parking must be provided. Other amenities that support all day activities, such as lighting and restrooms as well as gathering places for large programmed events with spectators may also be appropriate.

E. PARK & RECREATION NEEDS

The need for park and recreation facilities in Fairfax County is determined through long-range planning efforts involving a variety of stakeholders. The Park Authority conducts a Needs Assessment every ten years to establish a benchmark for the acquisition of parkland and facility construction. As part of the Needs Assessment process, the Park Authority tracks the inventory of existing facilities, examines industry trends, surveys county resident recreation demand, and compares itself with peer jurisdictions to determine park facility needs. In addition, the Comprehensive Plan establishes countywide, population-based, service level standards for parkland and park facilities.

Within three miles of Turner Farm Park are 20 County parks, 16 of which provide recreational facilities, such as trails, playgrounds, picnic areas, and athletic fields (Table 1). Some parks offer distinctive features such as the Historic Colvin Run Mill, Great Falls Grange, Riverbend's Visitor Center and river access, and Lake Fairfax Park.

Table 2 reflects projected local park facility needs in the Upper Potomac Planning District in which Turner Farm Park is located.

Evaluation of park and recreation facility service levels is done according to the Planning District geography established in the Countywide Comprehensive Plan. As shown in Table 2, the Upper Potomac Planning District, which covers part of the Dranesville Supervisory District including the Great Falls area, has a deficit of public playgrounds and athletic facilities (fields and courts). Most parks in the district have few opportunities available to address these needs. School facilities and private facilities in homeowners' association (HOA) common areas supplement the public inventory for trails, playgrounds, fields, and courts.

PARK NAME	TRAILS	AMPHITHEATRE	CAMPGROUNDS	CAROUSEL	OPEN PLAY AREA	PICNIC TABLES	SCHOOL AGE PLAYGROUND	TOT LOT	RECTANGLE FIELDS	GRASSED 90FT	GRASSED 60FT	SOFTBALL DIAMOND	TENNIS COURTS	BASKETBALL COURTS	HALF BASKETBALL COURTS	EQUESTRIAN CENTERS	GARDEN PLOTS	HISTORIC FEATURE	NATURE CENTER	DOG PARK	SKATE PARK	WATER PARKS	BOAT RENTALS	BOAT LAUNCH	FISHING PIER	FITNESS COURSE
BARON CAMERON					Y	Y	1		9			1					1			Y						
COLVIN RUN MILL						Y												Y								
COLVIN RUN STREAM VALLEY	Y				Y													Y								
DIFFICULT RUN STREAM VALLEY	Y				Y													Y								
DRANESVILLE TAVERN																		Y								
GRAND HAMPTONS									1																	
GREAT FALLS GRANGE	Y				Y	Y	1		1			1						Y								
GREAT FALLS NIKE	Y				Y	Y			3	1	3	1	2	1	2			Y								
HICKORY RUN SCHOOL SITE																										
HOLLY KNOLL	Y																									
LAKE FAIRFAX	Y	Y	Y	Y	Y	Y	1		6			2					Y			Y	Y			Y		
LEXINGTON ESTATES																										
LOCKMEADE					Y				1																	
RESTON NORTH	Y						1	1				2														
RIVERBEND	Y				Y	Y												Y	Y				Y	Y	Y	Y
SHAKER WOODS																										
STUART ROAD						Y	1	1					1	1												Y
SUGARLAND RUN STREAM VALLEY	Y				Y		2							2				Y								
TURNER FARM	Y				Y	1										Y	Y									
WINDEMERE																										
WOLFTRAP STREAM VALLEY	Y																									

Table 1: Existing Parks & Recreation Facilities within 3 Miles of Turner Farm Park (2017)

194,137	2016 population – Upper Potomac Planning District			
249,265	2040 projected population			
Facility	Service Level Standard (per the Fairfax County Comprehensive Plan)	2016 Existing Facilities	2040 Needed Facilities	2040 Projected (Deficit)/ Surplus
Rectangle Fields	1 per 2,700 people	83.5	92.3	(8.8)
Adult Baseball Fields	1 per 24,000 people	10.0	10.4	(0.4)
Adult Softball Fields 65	1 per 22,000 people	4.5	11.3	(6.8)
Youth Baseball Fields 60	1 per 7,200 people	38.0	34.6	3.4
Youth Softball Fields 60	1 per 8,800 people	33.0	28.3	4.7
Basketball Courts	1 per 2,100 people	33.0	118.7	(85.7)
Playgrounds	1 per 2,800 people	82.0	89.0	(7.0)
Neighborhood Dog Parks	1 per 86,000 people	2.0	2.9	(0.9)
Neighborhood Skate Parks	1 per 106,000 people	1.0	2.4	(1.4)

Table 2: Upper Potomac Planning District 2040 Facility Needs Analysis

The Great Parks, Great Communities Comprehensive Park System Land Use Plan adopted by the Park Authority Board on June 22, 2011 includes several specific recommendations for improvements in the Upper Potomac Planning District. Recommendations relating to Turner Farm Park include the following:

- “Explore trail opportunities along major utility easements in the district such as the Great Falls gas line that extends from Great Falls Nike through Turner Farm to Upper Potomac and Riverbend Parks;
- Amend Turner Farm Master Plan to plan uses and facilities in added acreage; and
- Continue and strengthen the Invasive Management Area (IMA) program that is currently established at parks in the district including Turner Farm Park.”



III. EXISTING CONDITIONS

Analysis of the existing site conditions within the park, such as soil types and steep slopes, helps inform the opportunities and challenges for the sustainable construction of park facilities. Knowledge of the existing conditions allows for more focused planning and development.

A. NATURAL RESOURCES

1. GEOLOGY

Turner Farm falls within the Piedmont Physiographic Province of Virginia, characterized by gently rolling topography and slow-moving streams. As classified by the United States Geological Survey, the geology of the park is consistent, with Schist bedrock throughout the park. This type of bedrock originated as a series of sedimentary deposits on the ocean floor, then metamorphosed under intense heat and pressure, forming the schist found under the park.

2. SOILS

Soil characteristics can have major implications on how or where uses may be suitably established within a site. As classified by the Natural Resources Conservation Service (NRCS) of the United States Department of Agriculture (USDA), Turner Farm Park is comprised of a mix of seven soil types. Glenelg and Wheaton silt loams are the most common soil type within the park (Figure 6). These soils and their characteristics are as follows:

a. Glenelg

Glenelg soils are moderately deep, well-drained soils, often occurring on the upper slopes and hilltops. Glenelg soils are acidic with slow water movement, shallow depth to water or gravel, susceptible to frost action, with low soil strength, and a moderate to severe soil rutting hazard. Slopes can limit use

potential since they have unstable excavation walls with tendencies for cut banks to cave, with potential for water erosion. Potential erosion hazard is moderate under, while severe over, seven percent slopes. Due to these attributes, suitability for different uses on Glenelg soils is slope dependent. Thus, they have limited usability for excavated ponds, and are somewhat limited in suitability for local roads, streets, moderate excavations, landscaping, and playgrounds. At slopes under seven percent, they are moderately suited for natural surface (low volume) roads, but are well suited for structures such as buildings, shallow excavations, campsites, trails, and picnic areas. Between seven and 15 percent slopes, Glenelg soils are well suited for minor excavations and moderately suited for natural surface (low volume) roads. However, they have a limited potential for building structures, local roads, streets, shallow excavations, landscaping, campsites, or picnic areas and limited suitability for excavated ponds, trails, and playgrounds. Above 15 percent slopes, Glenelg soils are limited in their ability to support any structures or other development.

b. Hatboro

The Hatboro series consists of deep, poorly drained soils, occurring on nearly level flood plains with a slope range from zero to three percent. Surface runoff is high with periodic stream overflow, usually occurring during the winter and spring months. Hatboro soils are acid, often wet, with a shallow depth to saturated zone, have slow water movement, frequent flooding, and are susceptible to frost action. They are low strength, cut banks cave, and have a severe soil rutting hazard. These characteristics give Hatboro soils very limited usability for building structures, local roads, streets, shallow excavations, landscaping, natural surface roads, campsites, trails, picnic areas, playgrounds, and septic tank absorption fields. Suitability for minor excavations and excavated ponds is somewhat limited.

c. Meadowville

Soils of the Meadowville series are deep and moderately well to well drained. Permeability is moderate to moderately rapid with slow to moderate runoff. Meadowville soils are on undulating to rolling uplands, occurring around the heads of drainage ways, in saddles, depressions, on concave or slightly convex slopes. Meadowville soils are an acidic, low strength soil, with a shallow depth to saturated zone, seepage with bottom layer, and shrink-swell potential. They are affected by frost action, with unstable excavation walls and caving cut banks. Due to these attributes, Meadowville soils have limited suitability for excavations, septic tank absorption fields, or excavated ponds. They have somewhat limited suitability for building structures, local roads, or streets. These soils have a slight potential for erosion from natural surface trails, roads, or staging areas, with a severe rutting hazard, making them only moderately suitable for these uses. Uses are unlimited for landscaping, campsites, trails, picnic areas, and playgrounds.

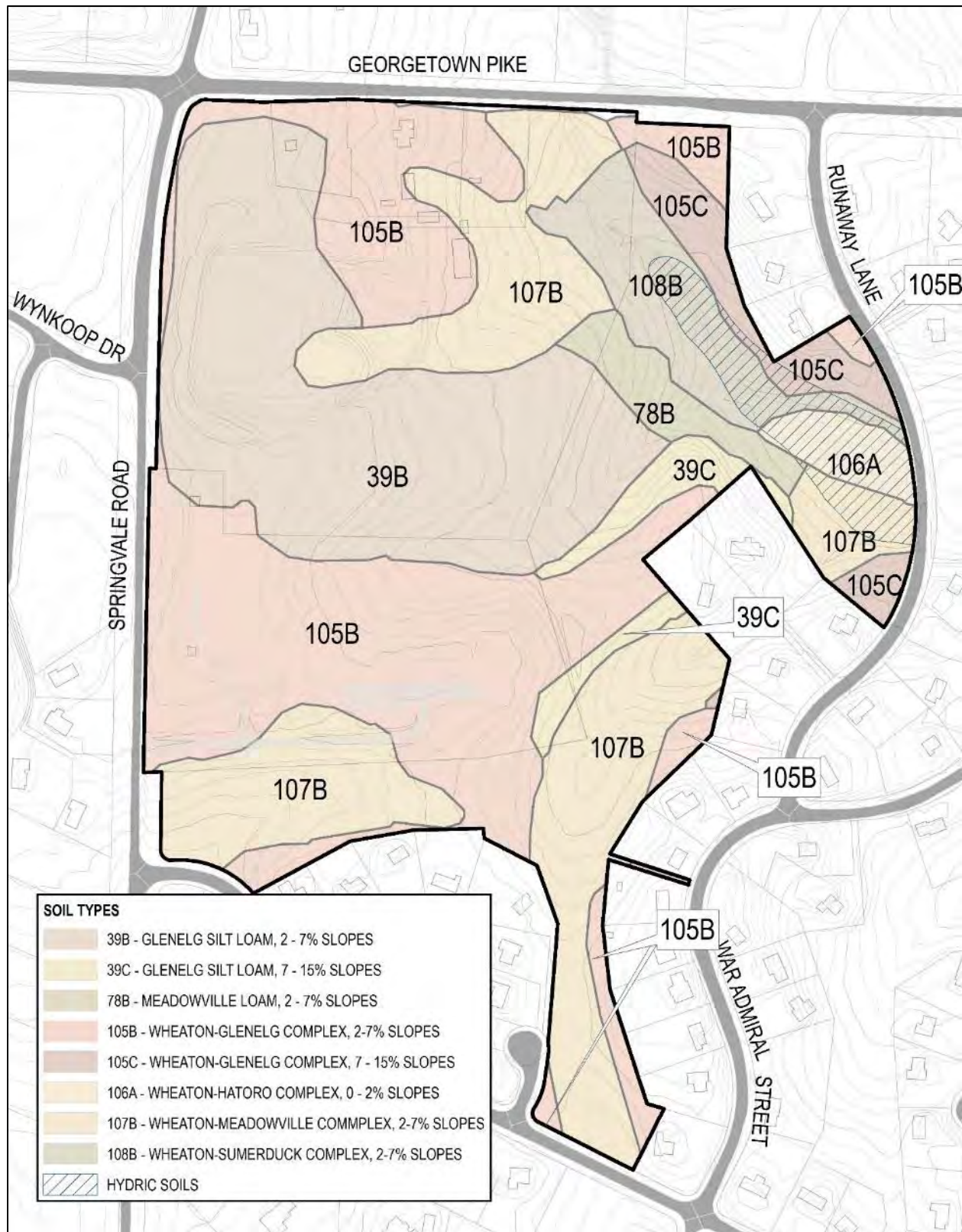


Figure 6: Soils Map

d. Sumerduck

Soils of the Sumerduck series are deep, ranging from moderately well to poorly drained, with moderately slow permeability, and negligible to medium runoff potential. Sumerduck soils are often found in drainage ways with slopes of zero to eight percent that are subject to frequent, extremely brief, flash floods, with little deposition. They are acidic, low strength soils with a moderately high shrink-swell potential, potentially hydric with a shallow depth to high water, seepage, are affected by frost action, with moderately unstable excavation walls, and caving cut banks. Due to these attributes, Sumerduck soils have limited suitability for local roads or streets. They have somewhat limited suitability for building structures, shallow excavations, campsites, picnic areas, playgrounds, embankments, or excavated ponds. These soils have a moderate potential for erosion with a severe rutting hazard, from natural surface trails, roads, or staging areas, making them moderately suitable for these uses. They are suitable for lawns, landscaping, fairways, and paved paths.

f. Wheaton

The Wheaton series consists of deep, well drained soils with moderate permeability, and medium to rapid runoff. They are low strength soils, with slow water movement/perc rate, shallow depth to water, are susceptible to frost action, and are a severe soil rutting hazard. Slope can limit use since they have unstable excavation walls, with tendencies for cut banks to cave. Potential erosion hazard is moderate under, but severe over, seven percent slope. Due to these attributes, suitability for uses on Wheaton soils is slope dependent. With less than a seven percent slope, these soils have a moderate erosion potential, but are well suited for structures such as dwellings and small commercial buildings, minor excavations, or trails and are moderately suited for natural surface (low volume) roads and trails. They are somewhat limited in suitability for moderate excavations, campsites, picnic areas, and playgrounds, while limited usability for local roads, streets, landscaping, excavated ponds, and septic tank absorption fields. Between seven and 15 percent slopes, Wheaton soils are well suited for trails or minor excavations, but somewhat limited for building structures, shallow excavations, campsites, and picnic areas. However, they have a severe erosion hazard that makes them only moderately suitable for natural surface (low volume) roads, but limited in suitability for local roads, streets, landscaping, excavated ponds, and playgrounds. Above 15 percent slopes, Wheaton soils are a severe erosion hazard with limited to no suitability at all for any structures or other development.

g. Hydric Soils

Hydric Soils are those soils that are sufficiently wet in the upper part to develop anaerobic conditions during the growing season. They are poorly drained, with slow permeability and low runoff. These soils usually occur on nearly level or gently sloping plains and low areas, with a shallow depth to saturated zone. They usually exhibit a wetness, high shrink-swell potential, low bearing strength, and slope instability, resulting in landslides. Due to these attributes, they have limited suitability for local roads, streets, building structures, shallow excavations,

embankments, or playgrounds. This is an overlay area, where the main soil type is referenced as well.

3. TOPOGRAPHY

The topography of Turner Farm Park is gently rolling, with less than 58 feet of grade change across the park, ranging from 382 feet in elevation near the observatory to 324 feet in elevation along the wetland on the eastern edge of the park. Slopes average less than seven percent across the site. Only a few instances of steep slopes are present; most are a result of excavation to build landscape features within the park. The developed portions of the park, having been graded, form gently sloping sites for park facilities. This includes the riding rings, playground, picnic area, and parking areas. To the north, west, and south of the riding rings is a small ditch and ridge formed by grading of this landform to direct runoff toward the stormwater facility to the east of the riding area. Most of the park's topography slopes eastward toward the small stream running through the eastern side of the park (Figure 7).

4. HYDROLOGY

Turner Farm Park lies within the Captain Hickory Run subwatershed at the northern reach of the Difficult Run watershed, which drains to the Potomac River, and ultimately to the Chesapeake Bay. As described in the Difficult Run Watershed Management Plan adopted by the Board of Supervisors in 2007, the majority of assessed tributaries in Captain Hickory Run are characterized as having an unstable channels that are actively widening in response to changes in stream flow. The substrate in the subwatershed is a combination of gravel and sand. Sixty-three percent of the stream length is moderately unstable, indicating that there is high erosion potential during high flow events.

The type and density of land use in a subwatershed can affect the downstream water quality and stream condition. While each land use type introduces issues to the natural stream system, more intense land use types, such as high-density residential, commercial and industrial uses, can have high levels of impervious surface and contribute runoff and pollutants to the stream system. Less intense uses, such as open space and estate residential development, generally contain less impervious area, have more natural vegetation, and, therefore, have less impact on stream quality. Approximately 69 percent of the Captain Hickory Run subwatershed is characterized by estate and low-density residential development. Another 19 percent is preserved for open space or parks, including Turner Farm.

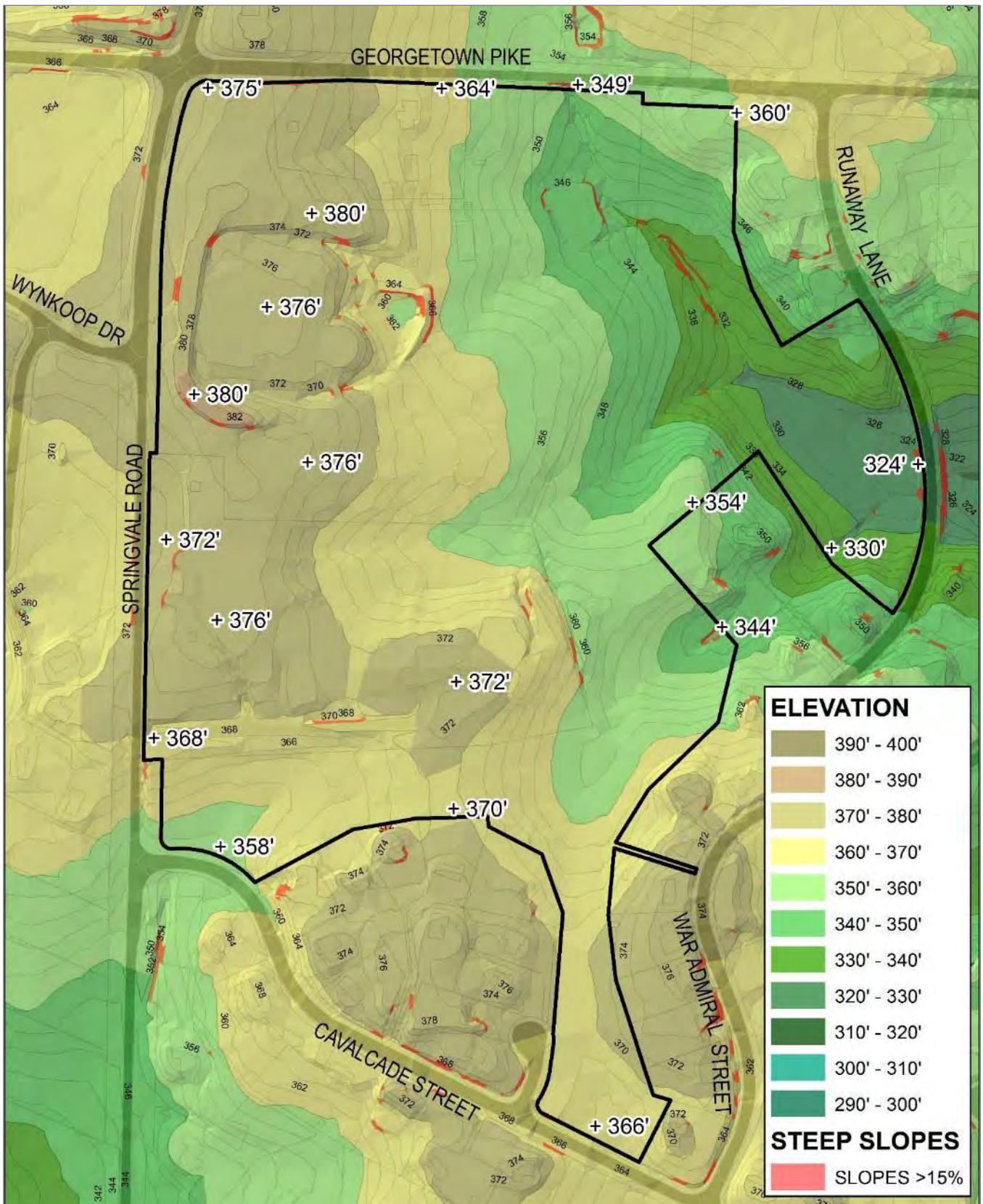


Figure 7: Elevation and Steep Slopes Map

Turner Farm Park is a valuable natural resource within Fairfax County as it contains a small segment of Captain Hickory Run (Figure 8). This perennial stream begins adjacent to the old farm pond, near the historic Turner Farm House, and flows southeast, leaving the park and flowing under Runaway Lane to the east. In wetter times of the year, it is fed by the farm pond and a culvert under Georgetown Pike. Captain Hickory Run is buffered by its associated Chesapeake Bay Preservation Ordinance designated Resource Protection Areas (RPAs), in which development and clearing activities should be limited.

RPAs are designated corridors of environmentally sensitive land alongside the shorelines of streams, rivers, or other water bodies that drain into the Potomac River and eventually into the Chesapeake Bay. In a vegetated or forested condition, RPAs protect water quality, filter pollutants from stormwater runoff, reduce the volume of stormwater runoff, prevent erosion, and perform other important biological and ecological functions. Mandated by the State of Virginia Chesapeake Bay Preservation Act, protection of Fairfax County's RPAs began in 1993 with the enactment of the Fairfax County Chesapeake Bay Preservation Ordinance, which regulates the kinds of development that can occur in these important, environmentally sensitive areas.

Prior to the enactment of the Chesapeake Bay Preservation Ordinance, however, all vegetation around the stream was removed for agricultural purposes. In some areas, the stream buffer has not been allowed to fully regenerate. The Difficult Run Watershed Management Plan recommends the implementation of Low Impact Development (LID) techniques to benefit stormwater management; for example, the construction of bioretention areas in parking lot landscape islands and increased tree canopy cover.

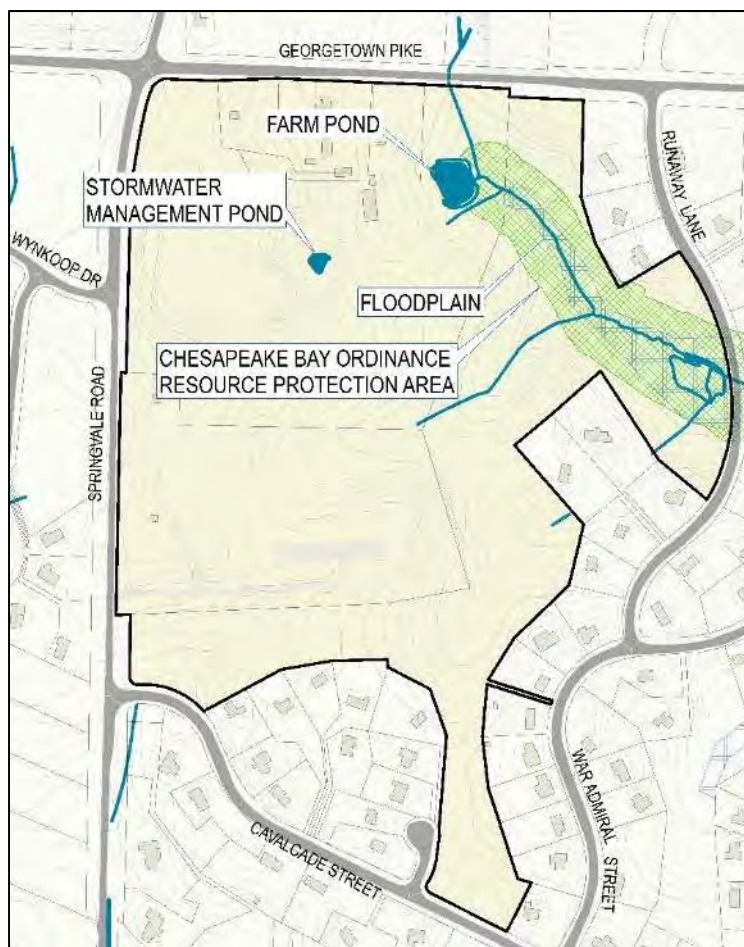


Figure 8: Turner Farm Park's Hydrology, Floodplain, and Resource Protection Area

Within the park, stream degradation is evident as a result of runoff from within the park as well as neighboring impervious surfaces such as roofs, driveways, roadways, and parking lots. These conditions contribute to “flashy” stormwater flows that incise stream channels. Due to Turner Farm Park’s location near a headwater within the Difficult Run Watershed, the park has been identified by Fairfax County Stormwater Planning in the Department of Public Works and Environmental Services (DPWES) as an important open space for protecting water quality. The only watershed management project identified in the Difficult Run Watershed Management Plan targeted for Turner Farm Park is the replacement of the culvert which conveys the stream under Georgetown Pike along the northern border of the park.

5. NATURAL COMMUNITIES - PLANTS & ANIMALS

Natural communities are ecological groupings of co-existing, interacting species, integral to the physical environment and associated processes. Through much of the county’s early history, agriculture was a key pursuit, leading to the clearing of many acres for farmland. The land area of Turner Farm Park was cleared in the 1800s for growing crops and remained completely cleared for agriculture and government uses into the 1980s, as illustrated in the following series of maps spanning from 1937 to 2015 (Figures 9-12). Agriculture related uses in the form of equestrian riding still exist within the park.

As a former agricultural site, Turner Farm Park contains no extant hardwood stands, remaining fully cleared for farm use into the 1980s. Between the late 1990s and early 2000s, successional vegetation was introduced into several areas of Turner Farm Park. The park’s vegetation was formally documented in 2000 by a Forest Stand Delineation and Natural Resources Inventory. A forest stand of less than five acres exists in the central area of the park, consisting of predominantly successional species that thrived in the dry and sunny conditions left after farming. In 1997, much of this stand consisted of young trees that had recently sprung up after the secessions of agricultural and government activities on the site. Additionally, there is a thin band of trees growing along Captain Hickory Run and the park boundaries. By 2015, the central stand had grown to a thick mass of established forest, while trees have now filled in much of the stream’s RPA in some areas and providing vegetative screening along some of the property lines (Figure 12). Species documented on the property include: eastern red cedar, red maple, black cherry, tree-of-heaven, staghorn and smooth sumac, sassafras, red mulberry, autumn and Russian Olive, and persimmon.

An Invasive Management Area (IMA) site was active at Turner Farm Park between 2007 and 2011, with volunteers working to remove non-native invasive vines from hedgerows in the central portion of the property. This IMA site has been inactive since 2012, however, as the program’s standards have shifted to focus efforts on high-quality forested areas, maximizing the benefit of the program’s resources. Three, semi-wooded areas within Turner Farm Park were evaluated in 2016. Park Authority staff found that these areas were moderately impacted by non-native invasive plant species.



Figure 9: 1937 Aerial Photo of the Turner Farm Property



Figure 10: 1953 Aerial Photo of the Turner Farm Property



Figure 11: 1997 Aerial Photo of the Turner Farm Property



Figure 12: 2015 Aerial Photo of Turner Farm Park

Due to the prior agricultural use of Turner Farm Park, both the quality and amount of habitat available for wildlife is highly marginalized. There are some limited areas of trees, wetlands, and native warm season grasses; however, the majority of the park continues to be managed for recreational use. The Park Authority has not conducted a formal wildlife inventory for the park and does not maintain a list of known species. It is likely that common species of birds, mammals, reptiles, amphibians, and insects utilize the park. Species present would likely include those that prefer open, disturbed habitats as well as generalist species, all of which would be typical species of suburban woodlots, including migratory songbirds, reptiles, amphibians, and small mammals. Several species typically found in suburban woodlots have been observed, including squirrels, fox, snakes, rabbits, hawks, and geese, all of which are typical of the region and tolerant of park use by visitors. No deer management has been conducted at Turner Farm Park and white-tailed deer are present in the park. Two initiatives were completed by the Park Authority to reconcile the use of the park as an equestrian area with its potential natural resource value, including:

- The Turner Farm Equestrian Use Areas Natural Resource Management Plan (2005)
- Designation as a “Certified Wildlife Habitat” with the National Wildlife Federation (2006)

No rare, threatened, or endangered species of flora or fauna have been documented at Turner Farm Park. There is limited suitable habitat for wildlife, in general, and prior surveys have not identified any species of significance.

B. CULTURAL RESOURCES

Identification, protection, and interpretation of cultural resources is a key component in the Park Authority’s mission statement and supported by several Park Authority policies. To achieve these goals, consideration of cultural resources is a necessary component in development of a park master plan. During the master plan process, the project team reviewed the available information and investigated the park, to determine what, if any, remnants from the past remain. However, no formal archaeological surveys have taken place at Turner Farm. There exists a moderate potential for Native American sites as well as Civil War sites, in addition to the more current known uses of the property. Development of the park will take into account this potential, and phased archaeology will take place prior to development in accordance with park policy.

Little prehistoric heritage evidence was found on site; however, Turner Farm Park fits within the cultural history of Fairfax County. A summary of the periods of human habitation reflected in the area of Turner Farm Park is provided below.

1. NATIVE AMERICAN PREHISTORY (PRIOR TO CIRCA 1650 AD)

Native American settlement in Fairfax County, including the area of Turner Farm Park, is comprised of three general periods, reflecting changes in the materials used by Native Americans that indicate shifts in how prehistoric peoples satisfied

subsistence needs and organized social structures. These time periods are as follows:

- **Paleo-Indian period** – The initial occupation of Fairfax County by Native Americans is classified at the Paleo-Indian period from approximately 16,000 B.P. to circa 10,000 B.P. It was characterized by a cold, moist climate that resulted in flourishing grasses and evergreen vegetation. Native American life was characterized by small nomadic bands displaying a heavy emphasis on hunting and supplemented by general foraging. Typical evidence of human habitation from this time would include stone fluted points, scrapers, flake tools, wedges, and hammer stones.
- **Archaic period** – While life was still characterized by nomadic hunting bands, environmental changes ensuing from a progressively warming climate resulted in increased reliance on and diversification in gathering during the Archaic period from circa 10,000 B.P. to 1000 B.P. This period is characterized by advancements discernible in the archaeological record by the appearance of atlatl stones, axes, pestles & mortars, progressing to soapstone vessels, shell ornaments, bone needles, fish hooks, and copper artifacts. Increased appearances of grinding and nutting stones reflects the greater emphasis on gathered items to meet dietary needs.
- **Woodland period** – The advent of floral domestication, horticulture, and later agriculture, mark the shift to the Woodland period circa 1000 B.P. to A.D. 1650. During the Early to Middle Woodland periods, characterized by a climate shift from hot and dry to a cooler, moist climate, Native Americans intensified hunting and gathering activities while beginning experimentation with cultigens. The first clay pottery typically appears during this time, reflecting increasingly sedentary settlement patterns. Changes in the design of stone projectile points reflect the introduction of bow and arrow technology. Reliance on cultigens (in particular corn, beans, and squash) marks the shift into the Late Woodland, along with a shift to the current local climate. The adoption of agriculture resulted in an intense population increase, allowing for the formation of villages with complex social and political organization. When European colonists arrived in the seventeenth century, Native American cultures had formed tribes, each possibly occupying several villages. Tribal alliances and intertribal rivalries, often reflecting distinct cultural differences such as language and belief systems, had also developed.

2. HISTORIC (CIRCA AD 1650 – PRESENT)

European, specifically English, settlement in Northern Virginia was extremely sparse throughout most of the seventeenth century. During this period, the area that would become Fairfax County was frontier land. Colonization increased during the late seventeenth and early eighteenth century when the European population of Northern Virginia dramatically increased and the Virginia colony developed a tobacco-based economy. Due to its economic value, colonists favored tobacco cultivation over manufacturing enterprises, often becoming reliant on importation rather than production of basic household goods. The extremely labor-intensive tobacco crop

resulted in the widespread use of European indentured servants and slaves during the late-seventeenth and early eighteenth centuries.

The County of Fairfax was officially formed in 1742, out of the northern portion of Prince William County, which itself had been carved out of Stafford County, all of which made up the larger Northern Neck Proprietary, which was granted to Thomas, 6th Lord Fairfax of Cameron by King Charles I. Thomas Fairfax conveyed a large tract of land to Bryan Fairfax in 1765, including what would become Turner Farm Park. Although tobacco cultivation and dependence on slave labor remained central components of the regional economy, tobacco's importance had somewhat diminished by the time of the American Revolution. Beginning in the mid-eighteenth century, farmers increasingly diversified crops, in particular with the additions of wheat and corn, rather than relying on a tobacco-based monoculture. The area underwent an economic decline until the early nineteenth century, when farmers from New England moved south and introduced new agricultural practices which revitalized Fairfax County's farms.

Georgetown Pike, constructed between 1813 and 1837, greatly improved transportation and commerce in the area, providing a main thoroughfare from the port at Alexandria westward to Leesburg Pike. This construction, coupled with new farming techniques that increased production, fostered a period of growth and prosperity in the region between 1840 and 1860. As a result, more farms sprang up in the area. Georgetown Pike has served as the main road running past what became Turner Farm Park for almost 200 years as shown in Figure 9, an aerial photograph from 1937. Soon after the completion of Georgetown Pike, Orlando Fairfax, grandson of Bryan Fairfax, sold a land tract to Josiah Loomis in 1842. Josiah passed on 150 acres of land to his son Joshua Loomis in 1843, containing what would become Turner Farm Park. Road construction continued to improve transportation, connecting farms, mills, and ports during the 1850s, followed by the railroad, which became the preferred method for transporting grain and flour from the Shenandoah Valley to the market cities.

Tax records indicate that in 1851 a house owned by Joshua Loomis existed in the general vicinity of the Turner Farm House. While retaining ownership of the family cemetery, the location of which has not been verified, Loomis sold the house with 150 acres that encompassed the current Turner Farm Park to William Seaton in 1856.

During the Civil War, Fairfax County was of immense strategic interest due to its location along the Potomac River and several points of elevation that provided an overlook of Washington D.C. It was also positioned as the last line of defense between the Union capital city and the rebel Confederate territories. As a result, thousands of Union soldiers were stationed in Fairfax County and the area witnessed intense war-related activity, including the area near Turner Farm.

Georgetown Pike was a major thoroughfare which supported large movements of troops. When the Civil War erupted in Virginia, the area around Turner Farm was within reach of foraging parties sent out along roadways from both Union and

Confederate armies. As a result, local livestock and harvests were depleted to feed the military raiding parties. Skirmishes broke out when raiding parties from opposite sides encountered each other. In 1861, the Battle of Dranesville took place approximately one mile to the west of what is now Turner Farm Park. General Ord's troops that were headquartered at the eastern end of Georgetown Pike would have passed the Turner Farm site on their way to or from the battle.

When the war ended, northern Virginia's economy and farms were in ruin, with crop production in 1870 only half of what it had been in 1860. These conditions may have contributed to Seaton selling the property in 1865 to William H. Clagett, who, in turn, sold the land to John Turner in 1869. Turner farmed the land and in 1878 resided in a house very close to the current Turner Farmhouse. During the same time, Fairfax County rebuilt itself, emerging as a major dairy production region by the twentieth century with the area looking much the way it did in the 1937 photo shown in Figure 9. The land passed through the Turner Family, with Luke Turner constructing the current Queen Ann style farmhouse and removing its predecessor in 1905. In 1920, the farm passed to Mark Turner who continued the family business, considered to be a model dairy farm. Mark Turner was also active in state and local affairs, including serving as master of the Great Falls Grange as well as serving on the executive board for the Virginia State Grange and on the Fairfax County Board of Supervisors.

During this time, the onset of the Second World War and subsequent Cold War dramatically altered the character of Fairfax County. The massive increase in the size of the federal government during this period resulted in an influx of employees and their families into the region, leading to the development of suburban neighborhoods to meet the housing demand along with the associated transportation infrastructure.

In 1955, these events directly affected Turner Farm when the Federal Government took 11.7 acres of the farm to build the Nike Missile Control Center W-83 as one of the first of 13 sites where surface to air missiles were installed (Figure 11). The intended purpose was to defend Washington D.C. from the threat of Soviet attack during the Cold War. It was only a few years, however, before the Soviets and the U.S. switched to using Intercontinental Ballistic Missiles (ICBM), making Nike Missile sites like the one at Turner Farm obsolete. In 1961, the U.S. Army Map Service, later known as the Defense Mapping Agency (DMA), took over management of the Nike Missile Control Center. There the U.S. Army Map Service built on the guidance system for the Nike Missiles, developing it into the Global Positioning System (GPS) now used in civilian cars and cell phones. Eventually, DMA would change its name to the National Geospatial-Intelligence Agency (NGA).



Figure 13: Nike Missile Control Center W-83

By the early 1970s, the Turner family had sold a portion of the farm to developers, from whom the Park Authority acquired the first parcel for Turner Farm Park in 1975. The federal government decided to divest the DMA site, closing it in 1993. The site was acquired by the Park Authority in 1999 along with another portion of the Turner Farm property (Figure 3). In 2010, the Park Authority acquired the remainder of the farm which includes the farmhouse and associated outbuildings.

Although known cultural resources exist in and around the park, Turner Farm Park has not been subjected to comprehensive, systematic cultural resources identification-level survey. Since much of the western half of Turner Farm Park has been developed for recreational use, that portion is considered highly disturbed and unlikely to contain intact archaeological resources. The eastern portion of the park remains less developed and may contain pre-historic or historic archaeological resources.

C. EXISTING HISTORIC STRUCTURES

1. TURNER FARM HOUSE

The historic, Queen Anne-style, Turner Farm House is a two-story, frame structure that sits on a masonry foundation, facing Georgetown Pike. Containing four

bedrooms and four bathrooms, it is characterized by a rear gabled wing with a taller, wider front facing gable that splits into two, small gables of unequal size. The tall, center gable has a half-timber pattern, while the smaller front gables retain decorative shingling. The house contains a large, central, corbelled cap chimney. Most windows are two-over-two, double-hung sash windows, taller on the first floor than on the second. Second level windows with the smaller gables on the north elevation are one-over-one. The easternmost window has a decorative, balcony-like protrusion, with a circular detail that is an original feature of the house. On the west side of the house is a two-story, side-gabled wing, with one-over-one windows. Delicately turned wood posts with decorative floral brackets and Queen Anne-style spindle work wraps around a low gable at the front entrance and three sides of the house's porch.



Figure 14: Turner Farm House

2. GARAGE WITH APARTMENT



Figure 15: Turner Farm Garage with Apartment

Directly south of the Turner Farm House, is a two-car garage with an apartment on the second floor. The original portion of this structure was built between 1937 and 1953, and expanded around 1998. The first floor is of masonry construction while the level above is wood framed with multiple windows.

3. TRACTOR SHED/CRIB BARN

Southeast of the farm house is a 19th century crib barn once used for storage of corn. Various described as a crib barn or run-in equipment barn, this structure features a gabled, two-story, peaked center section roof, with a loft, and low, sloped, lean-to additions on either side of the central bay added on much later. It is

constructed with hand hewn members held together with wooden pegs on a field stone foundation. The structure was built around 1880-1890 and pre-dates the main farmhouse.



Figure 16: Turner Farm Tractor Shed/Crib Barn

4. MILK HOUSE

Just east of the tractor shed is the Milk House, built out of masonry units with a metal roof, probably in the early 20th century.



Figure 17: Turner Farm Milk House

5. TURNER FARM DAIRY BARN

A little further south of the Tractor Shed sits the historic Turner Farm Dairy Barn and Silo. Constructed as a dairy barn in the early 20th century for milking the Turner's cows, this barn retains many of the features of a milking barn, including the low first floor ceiling and large second floor hay loft. This classic dairy barn features wood framing on a concrete foundation, with gambreled roof framing covered with a standing seam sheet metal roof. Beveled wood siding covers the lower walls, which are punctuated with a series of wooden windows. The concrete floor inside the barn was poured with troughs (or "French drains") designed to aid in washing out the milking area. A unitized pre-cast concrete silo is located at the southwest corner of the barn. These historic structures should be preserved as one of the most iconic features of the rural agrarian landscape, which characterizes the park.



Figure 18: Turner Farm Dairy Barn

6. OBSERVATORY TOWERS

Another iconic structure in the park is the main observatory structure located near the southern entrance from Springvale Road. It was built in the 1960s by the United States Government and has been adaptively re-used to house a large, electrically



Figure 19: Observatory Towers

operated telescope that is set within a steel panel, rotating dome with a retractable opening. Just north of the main observatory tower is the radio telescope structure built during the 1960s. Earlier versions of both structures were part of the Nike Missile Control Site and later retrofitted by DMA to suit their mission.

D. EXISTING INFRASTRUCTURE

1. UTILITIES

A variety of utilities currently serve Turner Farm Park or are available in close proximity. Electrical service extends from both Georgetown Pike and Springvale Road to provide power to the park's electrical systems. Water is available from both roads as well, with a stub entering the park along the southern entrance from Springvale Road that is contained in an easement, although currently not providing service to any park facility. Natural gas is available and connected to the Turner Farm House from Georgetown Pike. No municipal sewer connections exist in this part of the county, so drain fields must be used to serve park toilets. Two old septic fields exist on the site, one related to the Turner Farm House and the other which served the former DMA facility, although neither is currently functional. The new roll top observatory is served by a new septic field. A small stormwater management facility exists just south of the barn, designed to treat runoff from the riding ring. A 50' wide utility easement associated with the Transcontinental Gas Pipe Line (Transco) runs diagonally from the southwest to the northeast corner of the park, transporting natural gas from the Gulf Coast of Texas to the New York City area. Additional easements for storm drainage and floodplain management are recorded on the property (Figure 20).

2. VEHICULAR ACCESS

Three separate entrances currently provide vehicular access to different parts of the park. The southern vehicular entrance from Springvale Road provides access to the main parking lot, located between the observatories, sundials, playground, and picnic area. Closer to the intersection with Georgetown Pike, a second vehicular entrance from Springvale Road provides unpaved access to the equestrian riding area. A third park entrance, located on Georgetown Pike, provides access to the Turner Farm House and related buildings (Figure 20).

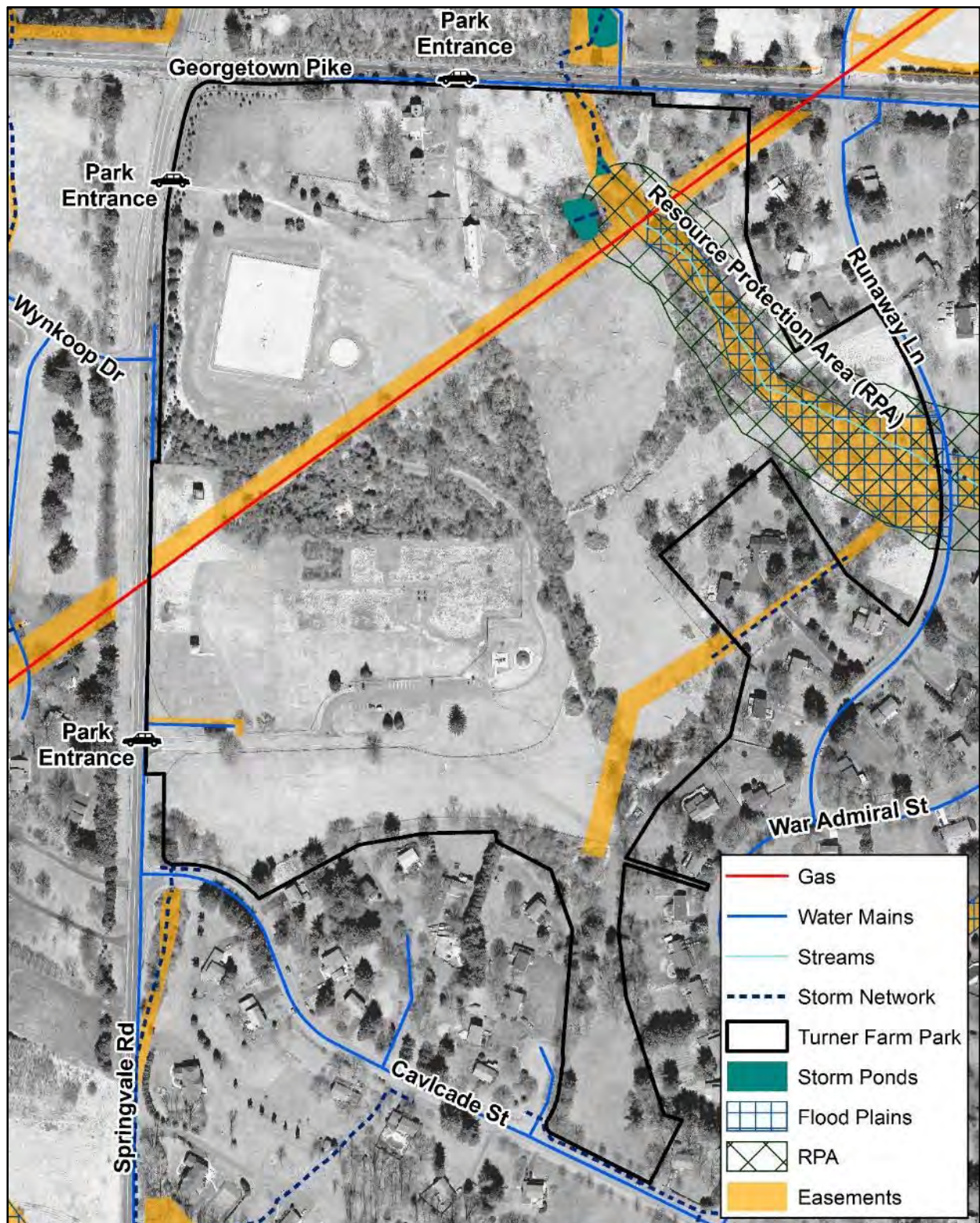


Figure 20: Entrances, Major Utilities, & Easements

3. PEDESTRIAN ACCESS & TRAILS

Turner Farm Park contains a few segments of paved trail running between the parking lot and observatories, playground, picnic shelter, and sundial garden, as well as a mowed equestrian riding path/obstacle course running roughly in a semicircle from the southern edge of the park through the eastern fields to the riding ring area. While a paved sidewalk exists on the opposite side of Springvale Road, no official trail entrances to the park exist.

E. EXISTING USES & OPERATIONS

Since its opening as a public park, Turner Farm Park has grown in popularity to serve a diverse Fairfax County population. Visitors can attend astronomy and equestrian programs and events, practice with their horse, exercise, walk their dogs, picnic, or simply enjoy the outdoors. The park's unique assets are its astronomy facilities, equestrian amenities, and historic structures. The park's open space, picnic area, playground, and trails are popular features for adjacent neighbors as well as the broader community. Natural areas in the park provide buffers between use areas and park neighbors as well as ecological enhancement.

The park's increased popularity presents challenges to current operations as well as a need for added facilities. Park use on peak visitation days and for special events can result in traffic backups with parking overflowing into the surrounding neighborhood as well as bottlenecks within the park. Astronomy and equestrian riding groups are the primary users of Turner Farm Park who, along with staff, have indicated that the existing parking and circulation within the park do not adequately address the needs of park users, with conflicts between vehicular, pedestrian, and equestrian traffic occurring regularly.

Turner Farm Park is unstaffed with maintenance provided by Park Operations Area 6 staff that maintains parks within a wide district. Typical regular maintenance includes activities such as mowing, removing leaves, emptying trash, painting, snow removal, facility maintenance, and other similar tasks. Periodic maintenance tasks include facility and equipment inspections; facility preparation; plumbing repairs, cleanup; limbing up of trees; tree removal; and repairing pavement as needed. Area 6 staff also responds to any park operation or maintenance issues brought to their attention.



IV. PARK ASPIRATIONS

A. PARK PURPOSE

Park purpose statements provide a framework for planning and decision-making. As described in the Fairfax County Comprehensive Plan, Policy Plan, Parks and Recreation section, the purpose of Countywide Parks, such as Turner Farm Park, is to serve larger geographic areas or the whole county with unique facilities, while protecting sensitive environmental and cultural resources within the park. Specifically, Turner Farm Park's purpose is to preserve and protect the site's cultural and natural resources while providing a variety of recreational and educational activities related to the unique features of the park for all age groups.

B. VISITOR EXPERIENCE

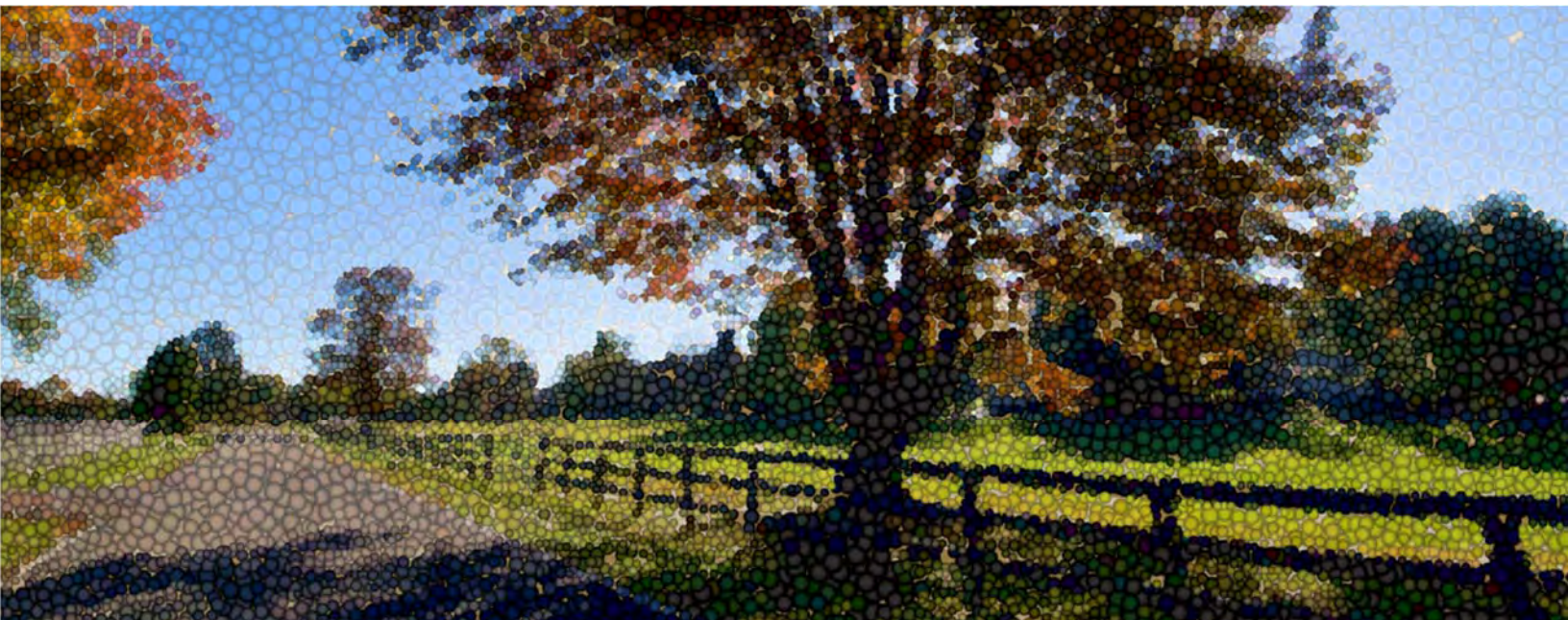
Turner Farm Park offers a visitor experience similar to that of other Countywide Parks, through a combination of educational opportunities, recreational facilities, trails, and open space. For individual and group visitors, Turner Farm Park provides a diverse variety of recreational facilities with opportunities to interact with other users. Both scheduled and casual enjoyment of the park's facilities and open space is part of the visitor experience. Park users may enjoy astronomy or equestrian riding facilities, historic features, interpretive features and programs, the forest, wildlife, playground, picnic area, and trails in a park experience that typically lasts for up to a half day.

The park is unstaffed, but the visitor experience should be supported through complementary facilities and supporting features, including sufficient, need-specific parking and restroom facilities. New and updated infrastructure, amenities, uses, and facilities should be consistent with the park's growing popularity as well as community needs as these items contribute to a positive visitor experience in the park.

C. MANAGEMENT OBJECTIVES

In order to achieve the park's purpose, the following objectives, consistent with the Park Authority's mission statement, will guide actions and strategies for dealing with management issues:

- Turner Farm Park will be managed to provide an open space for public enjoyment and outdoor recreation.
- Park users should have universal access to park facilities when access is possible and feasible. This includes accessible facilities and connections between different areas of the park.
- Protection and appreciation of natural and cultural resources are integral to the Turner Farm Park experience. Every effort should be made to balance the stewardship of these resources with active recreation needs.



V. CONCEPTUAL DEVELOPMENT PLAN

The Conceptual Development Plan (CDP) provides recommendations for future park uses and facilities deemed to be appropriate to this park based on the research, site analysis, and data presented in this document. The CDP contains descriptions of the proposed plan elements and is accompanied by a graphic that shows the general locations of the planned elements. These two elements of the master plan – written and graphic - should be used together to understand the full extent of the recommendations.

Development of the CDP is based on an assessment of area-wide needs and stakeholder preferences in balance with the existing site conditions and operational requirements. The scope of the master plan process does not include detailed site engineering; therefore, it should be understood that the CDP is conceptual in nature. Although reasonable engineering practices have contributed to the basis of the design, final facility location for the recommended elements will be determined through more detailed site analysis and engineering design that will be conducted when funding becomes available for the further development of this garden. Final design will be influenced by site conditions such as topography, natural resources, tree preservation efforts, and stormwater and drainage concerns as well as the requirement to adhere to all pertinent state and county codes and permitting requirements.

A. ENTRANCE ZONE

Entrance Zones define the areas where visitors form their first impression of the park. Visual elements should be designed in keeping with the park's character and include elements that support visitor orientation, such as park identification, information kiosks, and directional, regulatory, and event signage. Other amenities such as landscaping, benches, and trash cans are appropriate in Entrance Zones as well as parking, pedestrian, and security lighting. Within the Main Entrance Zone, the existing parking lot is to remain but may be improved and expanded to meet growing park demand.

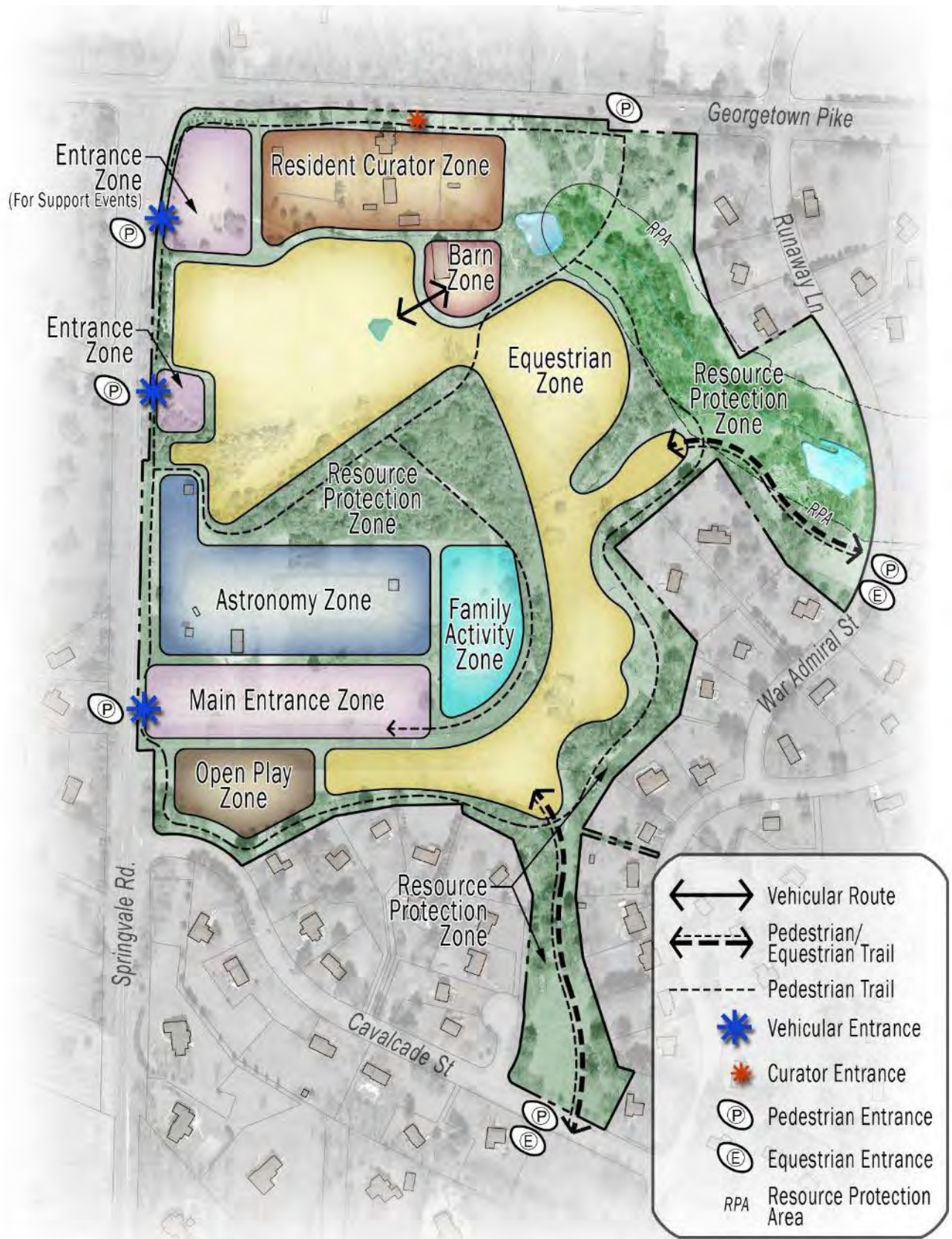


Figure 21: Turner Farm Park Conceptual Development Plan

1. VEHICULAR ACCESS & CIRCULATION

Park Authority staff and park users have noted that the park's existing parking and interior circulation do not adequately address the needs of park users. Conflicts between vehicular, pedestrian, and equestrian traffic occur frequently. The park's increasing popularity presents challenges to current operations and creates a need for additional as well as well-considered facilities. Park use on peak visitation days and for special events can result in traffic backups, with parking overflowing into the surrounding neighborhood as well as constricted circulation within the park. To address these conditions, parking and circulation improvements are needed.

Vehicular access to the park will continue to be provided at the three existing entrances located at Georgetown Pike and Springvale Road, although the Georgetown Pike access will be reserved for the Resident Curator Program at the Turner Farm House. The primary entrance to the park will remain at the southern entrance from Springvale Road. To enhance access to the Equestrian Zone, the opportunity to establish a vehicular access point near Wynkoop Drive has been added to the plan. In combination with the existing northern access from Springvale Road, these entry points will allow for improved access to the Equestrian Zone, aiding the maneuvering requirements of horse trailers and facilitating traffic flow during large events.

Traffic control features such as signage, gates, and bollards can be used to control park traffic. All vehicular access points should be designed to safely accommodate pedestrian access to the park as well.

2. PEDESTRIAN ACCESS & CIRCULATION

Many people enjoy strolling the grounds of Turner Farm Park for a variety of reasons including exercise, dog walking, socializing, nature observation, running, and biking. The planned trail network throughout Turner Farm Park is designed to minimize potential conflicts between equestrian and pedestrian users. The network includes existing trails linked to new trails and entrances. Trail access is provided at the vehicular entrances and additional pedestrian entrances as shown on the CDP. The provision of visitor orientation is important at these points, including informational kiosks, benches, trash cans, and park identification, regulations, and wayfinding signage. All routes in Turner Farm Park should be located and designed to provide the greatest degree of accessibility while respecting natural and cultural resources. The loop trail should be of sufficient distance to provide interest to the user and separation from the cross country equestrian riding obstacle trail, to avoid conflicts between the two different user groups.

3. COMBINED PEDESTRIAN/EQUESTRIAN ACCESS

Although it is preferred to provide distinct facilities to serve pedestrians and equestrians, trail connections entering the park from Cavalcade Street and Runaway Lane are envisioned to serve both user groups. These connections link the park to the communities east and south of the park. Limited property width, a desire to minimize impacts to the identified Chesapeake Bay Resource Protection Area, and anticipated usage levels suggest that these connections can be designed to

accommodate a variety of users. Additional signage should be provided to inform trail users of appropriate trail etiquette.

These locations align with the Countywide Trail Plan Map which recommends a natural surface trail along Cavalcade Street that enters the park just east of the intersection of Man o' War Lane, continuing northward through parkland to Georgetown Pike. A second connection enters the east side of the park from Runaway Lane. The Countywide Trail Plan Map also shows a third connection into the park from the main entrance along Springvale Road.

In a broader context, an opportunity exists to connect Turner Farm Park with nearby parks including Great Falls Nike Park to the south as well as Upper Potomac and Riverbend Parks to the north along the Transco, Colonial, and Columbia Gas Pipe Line easements. The pedestrian connections envisioned with this master plan will serve to build on that connectivity. (Figure 22).

B. RESOURCE PROTECTION ZONES

Two separate areas within the park are designated as Resource Protection Zones (RPZs), to protect natural habitats, geological features, hydrological features, and/or cultural resources they contain. These RPZs contain forest communities as well as the stream and farm pond within the park. While the farm pond is a historic feature created to serve the farm, it has now become a part of the site's hydrology as well. Such features support multiple species that co-exist and rely on these natural features. The wetlands provide numerous benefits to the watershed including storage of water, recharge of ground water, and water purification. They also provide water and habitat not only for wetland dependent species, but upland mammals as well. Protecting the integrity of these forested blocks is critical to the health of Captain Hickory Run. Therefore, these areas should be preserved and restored as much as possible to a natural state with minimal disturbance. Revegetation should include only native trees and shrubs, accompanied by invasive plant management as necessary.

Pedestrian and equestrian trails with related facilities such as bridges, signage, interpretation features, or benches are appropriate within the RPZs in the general locations depicted on the CDP. The potential for historic discoveries in these areas is moderate, so appropriate subsurface archaeological investigation should be conducted prior to any ground disturbing activities within these zones to minimize potential impacts to important archeological sites. Limited off trail activity will be permitted for resource management activities along with programs scheduled and supervised by Park Authority naturalists that are compatible with resource management goals.

C. FAMILY ACTIVITY ZONE

The Family Activity Zone is an area focused on more traditional park uses, such as picnics, play, and group gatherings. This zone should be convenient to parking, trail access, and other supporting facilities, and include features as noted below.

1. PICNIC AREAS/SHELTERS



*Figure 22: Picnic Shelter
(precedent image)*

A picnic area with shelters should be provided as a central gathering place for family- and group-oriented activities. Proximity to the parking area will aid accessibility and ease of use. The shelter should be of sufficient size for inclusion in the rental program with at least ten tables that would support group activities such as outdoor classroom programming, family gatherings, and group events. Grills should be provided, where appropriate. Picnic shelters should provide both electric and water access, so that restrooms can be provided within the

structure. Lighting would make the facility more desirable for rentals. A storage space should also be considered within the shelter for cleaning equipment.

2. PLAYGROUND

A playground should be maintained as a feature that is complementary with the picnic area and nearby Open Play Zone, enhancing opportunities for family-oriented activities. This location provides easy access for families with children using the picnic area at the same time. Playground features should be appropriate to a wide range of ages. The space could accommodate climbing features appropriate for a range of ages; however, this plan also envisions the opportunity to consider a broader range of play facilities that might build on the park's focus on astronomy or the equestrian arts. Options to simply shape the landform to create interesting play environments for children may be considered as well. Play features that allow for social interaction, role playing and cognitive achievement, should be included.

Playground features may be determined with community input when funding becomes available. At least one point of access must be provided from the primary hardscape trail for accessibility purposes. Landscape design should consider the benefits of providing shade to this portion of the site.



*Figure 23: Playground
(precedent image)*

3. FIRE PIT

A fire pit should be maintained to complement the picnic area as well as the Astronomy Zone, enhancing opportunities for family-oriented activities. The fire pit can be used during picnics, or as a warming area on cold nights of star gazing.

D. OPEN PLAY ZONE



Figure 24: Open Play Area
(precedent image)

A large open grass field will be retained to provide an area for unstructured play, informal uses, and outdoor enjoyment. Usage of this area would promote more informal forms of recreation such as croquet, lawn bowling, disc throwing, ball tossing, or kite flying. This area can also be used as a flexible program space for activities that do not need a full time dedicated space and only require limited or temporary facilities, such as community gatherings, camps, classes, and art programs. To preserve flexibility of usage, no large areas of permanent seating or other structures should be established in this zone.

E. ASTRONOMY ZONE

Based on the property's ties to the Cold War Era and the Nike Missile Project, Turner Farm Park offers a unique opportunity to interpret our connection with space and the night sky. Residual structures within the park and the relative lack of intruding light glare allow for programming and interpretation not available at other Park Authority sites. The Astronomy Zone, therefore, provides unique facilities for scientific education about outer space.

1. ASTRONOMY GARDEN

The Astronomy Garden, located north of the observatory and main parking area, is a popular spot for small educational and social gatherings. The garden nicely complements the park's past and current relationship with celestial exploration. The garden area currently contains a small sundial collection.



Figure 25: Sundial Collection (precedent image)

It is recommended that elements within the garden be expanded to display additional artistic and scientific astronomical instruments to engage the public as well as to serve as an event space to accommodate larger groups. The expansion of the garden should include additional seating areas, vegetation, and interpretive signage. An expanded focus on sundials would provide an excellent education about time, displaying both the rotation and revolution of the Earth and Earth's orientation, explaining the seasons. Astronomical observation was of particular

importance to agrarian societies, establishing an interpretive link between the prior astronomical usage of the site to the farming history of the site.



Figure 26: Sculptural Sundial
(precedent image)

The astronomy garden should be incorporated into a large astronomical calendar and observatory. This interpretation device might be built as a henge, or stone circle, of moderately sized stones or columns to educate park visitors about astronomical movements throughout the year. Stones or columns would be placed to line up with the locations on the horizon of the rising and setting sun at the times of the solstices, equinoxes, lunar events, and of important stars throughout the year. A scale model of the solar system could also be included with interpretive markers indicating the relative positions of the sun to planets.



Figure 27: Small Henge (precedent image)

2. ELEVATION BENCHMARKS

Three or four elevation benchmarks established in 1956, accurate to within a millimeter and marking the center of the Earth, still exist on the site. These benchmarks are utilized for an ongoing study by several U.S. Government agencies and should be preserved, both for their use and for interpretation.



Figure 28: Elevation Benchmark

3. REMOTE ACTIVATED TELESCOPE OBSERVATORY

This historic observatory structure, built in the 1960s by the United States Government, has been adaptively re-used to house a large Newtonian reflecting telescope that will be electrically driven and operated, with the capability of producing conventional and digital photography. While the internal framework of the structure is sound, the exterior block wall is deteriorating and should be repaired or rebuilt to protect the equipment inside. The observatory dome, a steel panel rotating dome with a retractable opening, should be retained.



Figure 29: Remote Activate Telescope Observatory

4. ROLL TOP OBSERVATORY

The Park Authority constructed a new roll top observatory building between the parking lot and the observatory tower. This structure provides space for orientation prior to telescope viewing sessions; displays of astronomical equipment; astronomy programs, and an administration/information section. This new building may be expanded as necessary and feasible to provide additional programing space.



Figure 30: Roll Top Observatory

5. RADIO OBSERVATORY

The existing radio telescope structure built in the 1960s is located north of the observatory and should be re-used or replaced with a modern structure to house a new radio telescope.



Figure 31: Radio Observatory

F. EQUESTRIAN ZONE

As one of three Park Authority sites that offers equestrian facilities, there is significant demand to provide a range of riding options at Turner Farm Park. The Equestrian Zone defines an area where these activities are appropriate while maintaining a level of separation from other park uses for the safety of the rider, horse, and general park patron. The following types of equestrian facilities would be appropriate for inclusion within the Equestrian Zone.

1. OUTDOOR RIDING ARENA

The existing Outdoor Riding Arena is currently designed as a 200 foot by 300 foot rectangular facility supporting horse and rider training as well as events in the traditional equestrian disciplines such as dressage, jumping, polo, and animal care demonstrations. To the extent possible, the facility should have multiple, overlapping uses and be designed in harmony with existing environmental features. The riding arena should be designed and positioned to preserve the rural farm character of the park.



Figure 32: Turner Farm Riding Arena

The arena should be enclosed by a pressure-treated, three board fencing which is standard for riding arenas. Inside the riding enclosure, the facility should provide a level, all-weather surface to ensure optimum durability, quietness, and low maintenance, with freedom from dust and mud. A shed roof could be added to make the facility suitable for year-round use.

A variety of jumps, used by riders to exercise and train their horses, may be provided for use within the arena. These can be assembled from pressure-treated lumber components that can be configured in various ways and include adjustable standards (in pairs), 5 or 6 feet high with hangers for 10- to 12-foot long wooden jumping rails. Movable brush boxes filled with natural or artificial foliage and low walls, adaptable to provide a variety of courses, may be provided for hunter/jumper riders within the arena.

2. ROUND PEN



Figure 33: Turner Farm Round Pen

A Round Pen, or Lunging Ring, for the secure exercising and training of both horses and riders, is included near the Outdoor Riding Arena. This facility supports training in the traditional equestrian disciplines of all types. The lunging ring should be at least 66 feet in diameter, enclosed by a pressure-treated, three board fencing which is standard for riding arenas. Inside the riding enclosure should be a level, all-weather surface that ensures optimum durability, quietness, and low maintenance, with freedom from dust and mud.

3. DRESSAGE ARENA



*Figure 34: Dressage Arena
(precedent image)*

A Dressage Arena may be provided near the Outdoor Riding Arena and Lugging Pen to support horse and rider training in that discipline. Designed and positioned in harmony with existing environmental features, the dressage arena should be defined by heavy lumber, such as railroad ties, laid end-to-end on level ground forming a rectangle of at least 66 by 198 feet. The surfacing should be the same stone dust mix used in the Riding Arena and Round Pen.

4. CROSS COUNTRY EQUESTRIAN COURSE



*Figure 35: Cross County Course
(precedent image)*

Cross-country riding and jumping are part of the classic equestrian disciplines. To support this activity, a cross country equestrian course should be woven into the historic agrarian landscape in harmony with existing environmental and cultural features. This facility not only provides an equestrian riding and training venue, it also enhances and preserves the pastoral landscape experience for other park users by providing a glimpse of historic agrarian activities.



Figure 36: Log Obstacle (precedent image)

Designed to challenge horse and rider over rugged, natural terrain and obstacles, cross-country riding has roots in hunting and wars, but has long been a competitive event. Today's cross country courses employ natural land features as well as jumps, such as logs, split rail fencing, earth banks, gullies, and water hazards that complement their settings. The existing grass fields are well suited for sections of cross-country riding, particularly where natural clumps of trees enhance the view and interest of the course.

Sections of the Cross Country Equestrian Course may also accommodate horse driving and a bridle trail. Used for leisurely pleasure riding and driving, the main trail should parallel the park's perimeter to the extent possible, with secondary trails traversing a wide area of the park, recapturing what was a common scene in Fairfax County well into the 20th century. This course should consist of the same stone dust surface used on the riding arena and other equestrian facilities.

5. PERIMETER FENCE & BUFFER

A traditional three-or-four plank fence, commonplace to Virginia's farms and estates even today, is proposed to define the Equestrian Zone, to contain horses that might break loose, and to reduce possible intrusion by motorized vehicles, such as motorcycles or all-terrain vehicles which are prohibited in the park. The proposed new fence would protect horses and riders from the area's busy traffic, as well as prevent encroachment into neighboring residential yards. The fence can be placed near the property line with pedestrian "walk-throughs," spaced at convenient intervals and designed to enable non-vehicular access into the park by neighboring residents. Fencing materials can be allowed to weather to a light gray color, or they can be stained dark brown, black, gray, or white, similar to others in the community.



*Figure 37: Plank Fence
(precedent image)*

The fence will generally be established with a 50-foot wide buffer between the property line and any park facilities. The buffer along Runaway Lane should be increased to 100 feet to protect steep slopes and the stream. Existing stands of trees along the park borders are intended to remain as part of this buffer to provide screening between neighboring homes and the park uses. Existing vegetation may be supplemented with a mix of canopy and understory trees, with shrub layers, along with invasive plant management to provide sustainable buffering and screening.

6. PARKING

Additional parking is needed to support the equestrian uses and alleviate traffic conflicts. Parking is appropriate in select locations within the Equestrian Zone, especially to service large trailers. Ultimate design should accommodate the wide turning radii necessary for such vehicles and pull-through parking to serve up to 30 trailers.

In addition, overflow parking areas to accommodate visitors during peak use periods may be established in the open grassed areas. Access areas should facilitate safe pedestrian circulation since they also serve pedestrians and as drop off points. Horses should access various portions of the park within the Equestrian Zone or the shared Pedestrian/Equestrian trails only.

G. RESIDENT CURATOR PROGRAM & ZONE

The Resident Curator Program (RCP) was established in Fairfax County to enable an individual, a group of individuals, or an organization to serve as the caretaker (or "curator") of a property. This program is intended to reduce the public costs associated with the care and preservation of historic properties by enabling groups or individuals to assume this responsibility. In addition to caring for the day-to-day management of the property, the curators are financially responsible for the rehabilitation and continued maintenance of the property. Properties that are included in the RCP are deemed historically significant to Fairfax County and meet established criteria of eligibility for curatorship.



Figure 38: Turner Farm House



Figure 39: Turner Garage

Chosen through a pre-defined application process, administered by the Board of Supervisors (BOS), the selected curator enters into a lease agreement, which includes the agreed-upon work plan, outlining the rehabilitation of the historic resource. The work associated with the rehabilitation process is funded by the curator, who in turn has the privilege of occupying the building and using the associated grounds as determined by the lease. Depending on specific guidelines or regulations applicable to the establishment or management of the program, as well as the historic significance, integrity, and function of each property, the Resident Curator Program agreements can be established to accept proposals for a variety of functions. In addition to residential curators, non-profit organizations and businesses can serve as curators.

The Resident Curator Zone includes the Turner Farm House, Garage/Apartment, Tractor Shed/Crib Barn, and Milk House.

H. BARN ZONE

The historic dairy barn may be included in the Resident Curator Program along with the Turner Farm House, established under a separate curatorship agreement, or adaptively re-used by the Park Authority. For instance, the interior space could be used as a classroom, for storage, or stalls for equestrian or other park related programs. For any use, repairs and upgrades to the siding, trim, electrical system, or the addition of restrooms, it will be necessary to meet current public use codes for occupancy approval. An internal access driveway should be developed to the barn from the Equestrian Zone, permitting access separate from the primary Resident Curator Zone.



Figure 40: Turner Farm Dairy Barn, Dairy Farm, or Resident Curator



Figure 41: Turner Farm Dairy Barn

I. SITE FURNISHINGS



Figure 42: Park Bench
(precedent image)

To support park users, visitor amenities such as restrooms, picnic facilities, pavilions, trails, trailheads, benches, trashcans, as well as interpretive, regulatory, and directional signage are suitable outdoor uses that should be provided in appropriate locations throughout the park. To preserve the natural and pastoral setting as well as prevent impacts to important resources, the number of signs should be kept to a minimum and collocated when possible. Adequate and conveniently placed

water sources should be provided at the barn and riding rings for both people and horses. Lockable, frost-free water hydrants will be required, as all of the park features are exposed to the elements.

J. STORMWATER MANAGEMENT

Construction of stormwater management facilities will be necessary to address water quality and quantity detention associated with the addition of park facilities. To the extent feasible, Low Impact Development (LID) methods should be used for stormwater management in the park, potentially in the form of pervious pavers, innovative roof systems, rain gardens, and/or bio-retention areas. The Resource Protection Areas along Captain Hickory Run should be revegetated with native trees and shrubs, as this will improve water quality for the stream due to slowing and filtering of runoff.

K. VEGETATIVE RESTORATION

The existing landscape and vegetation is impacted by activities such as disposal of yard waste and competition from non-native invasive plant species. Natural resource management practices should be adaptive and realistic while focusing on restoring the disturbed landscape. Standard countywide practices that may be necessary at Turner Farm Park include non-native invasive plant control, potential deer herd culling, and restoration planting. Encroachments such as the disposal of yard waste and other debris should be eliminated. The Chesapeake Bay Resource Protection Areas along Captain Hickory Run should be revegetated with native trees and shrubs, which will improve water quality for the stream by filtering and slowing runoff.

The Difficult Run Watershed Management Plan adopted by the Board of Supervisors recommends planting more trees to increase canopy cover within the open areas of the park, stating, "... stormwater improvements should be incorporated into site improvement plans". This tree planting effort has multiple benefits including addressing community environmental concerns, providing shade, filtering air pollution, reducing mowed areas, supporting wildlife, reducing water runoff, and providing visual interest. All trees to be planted should be of locally common native species.

L. INTERPRETIVE FEATURES



Figure 43: Interpretive Sign
(precedent image)

Interpretive features may be placed at appropriate locations within the park describing important park features. Interpretation should include the long history of the Turner Farm and Mark Turner's community service as well as the site's service to the Federal government culminating with its historic significance as the birth place of modern Global Positioning System (GPS) Technology. Other possible topics for interpretation include the remaining farm- and government-related structures, astronomy and equestrian facilities, the Loomis family cemetery, Georgetown Pike's contribution in the context of historic transportation routes, natural resources, and other cultural elements that may come to light.



VI. DESIGN CONCERNS

Implementation of the master plan will require that detailed design plans be prepared and submitted for approval by applicable governing agencies prior to development. These plans will be reviewed for compliance with all county, state, and federal codes and requirements in effect at that time. These reviews ensure that the proposed facilities meet all pertinent standards for traffic, parking, size, safety, stormwater management, environmental protection, and zoning compliance. Plans are created during the design phase after funding has been appropriated. This ensures that these plans meet the latest development standards, and responsibly manage the costs associated with creating engineered designs. When site design, plan submittal, and development occur, the following concerns should be considered:

A. UNIVERSAL ACCESSIBILITY

Park elements and facilities should comply with the Americans with Disabilities Act (ADA) wherever possible and feasible. This includes facilities and connections between different areas of the park, as per standards in effect at the time of construction.

B. PEDESTRIAN IMPROVEMENTS

Provide safe pedestrian walkways adjacent to the entrance roads and parking areas. Incorporate pervious paving, where feasible. Natural surface trails are recommended but can be upgraded to a compacted stone dust.

Trail access is provided at the vehicular entrances and the pedestrian entrances as shown on the CDP. Visitor orientation is important to provide at these points, including informational kiosks, benches, trash cans, and park identification, regulation, and way finding signage. All services and routes in Turner Farm Park should be fully accessible, as feasible.

C. SOILS & SLOPES

Existing soils have various construction limitations, including: steep slopes, low strength, shrink swell potential, tendencies to cave, shallow bedrock, frequent high water tables, susceptibility to frost action, and rutting. These attributes can be detrimental to locating buildings, playgrounds, or other structures that require footings, buried utilities, and stormwater facilities. A geotech study may be needed to determine the necessary geotechnical engineering and facility designs including the ultimate suitable locations.

D. CULTURAL & NATURAL RESOURCE PROTECTION

Turner Farm Park has a variety of site constraints, such as major utility lines and problem soils, as well as important natural and cultural resources. To ensure that important park resources are not disturbed, facilities are intentionally located in areas of the park that have previously been developed or disturbed. Distributing uses within these areas allows for improved programming, circulation, and distribution through the site. This results in greater protection and fewer disturbances in the Resource Protection Zones (RPZs).

Protecting natural and cultural resources should be a primary consideration in any development. In many cases, resources are not specifically marked to help ensure their protection. Additionally, local records indicate that a family cemetery dating to pre-1856 exists in the vicinity of the Turner Farm House, though its exact location has been lost. For these reasons, park planning, resource management, and utility staff should be consulted before any ground disturbing activities occur within the park to ensure no impacts to resources or utilities will occur.

E. VEHICULAR ACCESS & CIRCULATION

Neighborhood concerns about park generated traffic were expressed during the master plan process. Planned entrance and circulation improvements are intended to reduce neighborhood impacts and allow for future growth in park visitation. As new facilities are designed and built, coordination with county and state transportation officials should occur.

As with any other public or private development, the Park Authority will meet all applicable county, state, and federal codes and requirements in effect at the time of development. These reviews ensure that the proposed facilities address potential impacts and meet all applicable standards for traffic, parking, safety, stormwater management, environmental protection, and zoning with review by the respective agencies.

F. UTILITIES

Aging utility lines may not provide sufficient service to the park. These conditions should be considered during the design of new facilities. Rerouting or providing underground utilities should be considered. Careful coordination should be planned for utility work. Work in utility easement areas on parkland should be conducted by permit and monitored.

G. PHASING

Major park development is generally planned and funded through the Capital Improvement Program that is budgeted over a five-year period. New facilities shown in the master plan are likely to be constructed in phases as funding becomes available. To facilitate any of the conceived uses, adequate park infrastructure, parking, stormwater management, and ADA access (within reason for a park setting), will be required preceding the implementation of these plan elements. A prioritized phasing plan should be created to guide future funding and development.

H. FISCAL SUSTAINABILITY

Economic realities require that public park funding be supplemented by revenue generated by park offerings, sponsorships, donations, and volunteerism. Fiscal sustainability within the park system and at Turner Farm Park is an essential component for the master plan implementation. The demand for facilities at Turner Farm Park continues to grow and should be viewed as an opportunity to support the park within the framework of the Park Authority's mission. The master plan revision envisions enhanced and expanded facilities necessary to support programming growth, update obsolete facilities, as well as protect resources that define Turner Farm Park. The park fiscal sustainability model should be used in conjunction with this master plan revision to strategically chart the park's future. Enhanced fiscal sustainability will allow Turner Farm Park to address critical maintenance, operational, and stewardship needs by providing latitude in decisions as well as funding options. Together these plans will serve both the public and the Park Authority by providing a greater opportunity for fiscal sustainability while managing the inevitable needs for capitalized repairs and replacements. Opportunities to expand the picnic shelters, programs, and flexible spaces can boost park revenues to support park operations. Implementing the Resident Curator Program can help alleviate maintenance spending, while providing around the clock eyes on the park for security purposes.

I. MANAGEMENT PLANS & USE AGREEMENTS

A Natural Resource Management Plan should be created for the park to deal with the management of open natural areas. Additionally, a management plan should be created for dealing with astronomy and equestrian activities at the park. Use agreements should be created for all the appropriate user groups with specialized facilities within the park.

INFORMATION

Update on Infrastructure Projects Affecting Parkland

Staff is continuing to monitor four ongoing transportation projects (Braddock Road Improvements, I-66 Inside 495, I-66 Outside 495, Route 7 Widening) and one stormwater management project (Huntington Levee) that all will impact parkland throughout the county. Continued engagement with the Park Authority Board includes regular progress updates on the status, benefits, and park impacts of these projects, which are at various stages of planning or design as follows:

Braddock Road Improvements (Braddock District)

Fairfax County Department of Transportation (FCDOT) is studying what improvements they can make to improve multimodal traffic flow on Braddock Road between the I-495 and Guniea Road (Attachment 1). This study has narrowed the options down to a preferred concept which includes:

- Improved bus service
- Bicycle and pedestrian access and connections
- Intersection improvements
- Potential transit center

This study is expected to be finished by fall 2017, followed by design through 2019, with construction projected to start in 2021 and finish by 2024. The current preferred concept shows an upgraded intersection at Danbury Forest/Wakefield Chapel; stormwater ponds; shared use trail on both sides of Braddock Road; and new access ramps down to the Gerry Connolly Cross County Trail (GCCCT) underpass along Accotink Stream Valley that will impact parkland. Park users will benefit from the new shared use trail which will provide new park trail access opportunities including new access ramps to the GCCCT, and pedestrian crossings of Braddock Road including a new GCCCT underpass.

VDOT is showing most of the road and trail improvements occurring within existing right of way (ROW). However, the grading will extend beyond the existing ROW, directly impacting Wakefield, Lake Accotink, Accotink Stream Valley, Canterbury Woods, Howery Field, and Long Branch Steam Valley Parks. While the extent of the impacts will ultimately be determined by final engineering of the chosen concept, these parks may experience direct impacts of lost land, vegetation and habitat; increased storm water discharge; and wildlife habitat quality impacts. Staff is monitoring the project progress to address potential impacts.

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I-66 Inside the Beltway (Providence District)

Virginia Department of Transportation (VDOT) and the Virginia Department of Rail and Public Transportation (DRPT) have two concurrent projects to expand I-66 as a multimodal corridor to improve traffic flow on I-66 (Attachment 2). The I-66 project inside the Beltway is based on recommendations from the June 2012 Final Report of the I-66 Multimodal Study, stretches west from the D.C. line to I-495, with a wide range of improvements that include:

- Improved bus and train service
- Bicycle and pedestrian access and connections
- Tolling in both directions during peak periods only, with HOV-3+ vehicles riding for free
- Eastbound lane additions
- Consideration of future widening

Tolling construction and implementation of the first group of multimodal solutions has begun, with tolling projected to start by the end of 2017. Eastbound widening is expected to begin in 2018. Currently, VDOT is showing almost all improvements occurring within existing right of way. However, the grading and sound wall design have not been considered yet and could result in relocation of a portion of the Northern Virginia Regional Park Authority's (NOVA Parks) Washington & Old Dominion (W&OD) Trail into Idylwood Park adjacent to I-66 and I-495. This could affect trees in Idylwood Park along I-495 that are already impacted by invasive vines, providing an opportunity for invasive removal. In addition, there may be an opportunity to collaborate with NOVA Parks for a VDOT funded project to re-route the W&OD through Idylwood Park, providing a better trail connection within the park and eliminating a steep section of the W&OD. A potential 30-plus foot high sound wall at this intersection may have significant visual and user impacts at Idylwood Park. Staff is monitoring the project progress to address potential impacts (Attachment 3).

I-66 Outside the Beltway (Braddock, Providence, Springfield, & Sully Districts)

The second VDOT I-66 expansion project stretches west from I-495 to Haymarket to provide the following improvements (Attachment 2):

- Three regular lanes in each direction
- Two express lanes in each direction
- High-frequency bus service with predictable travel times
- Enhanced commuter park and ride lots
- Direct access between the express lanes and new or expanded commuter lots
- Multi-use trail along I-66

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These improvements will provide new travel choices, while enhancing transportation safety and travel reliability. The Fairfax County Board of Supervisors has endorsed the preferred concept and VDOT has selected their design/build contractor, with construction expected to begin in March 2018. This project includes widening the roadway; adding a parallel multi-use trail, ramps, and trail connections; rebuilding bridges to accommodate the wider roadway; and upgrading interchanges. Most of the proposed improvements including multi-use trail construction will occur within VDOT's existing right of way and will be funded as part of the overall I-66 multi-modal highway improvement project. This project funding would also include three trail connections proposed to be built on Random Hills Park, Ellanor C Lawrence Park, and Cub Run Stream Valley parks adjacent to I-66 by the Park Authority.

Potential impacts to these parks are summarized by park below:

Random Hills Stream Valley Park Trail Connection to I-66/Route 50 interchange

The Park Authority has provided the required federal concurrence of minimal impact under the Federal Transportation Act, Section 4(f) for VDOT to utilize approximately 0.1 acres from Random Hills Stream Valley Park for the westbound I-66 travel lane expansion. The proposed trail crossing of the ramp connecting to the park occurs very close to several townhomes, is very steep and may not be feasible. At staff's suggestion, VDOT is considering routing the trail from the ramp crossing away from the townhouses in a route that is more feasible along the ramp and across the park to Random Hills Road. VDOT is also considering a tunnel under the ramp for a pedestrian crossing. Staff will continue to work with transportation officials to design the most feasible trail alignment and minimize impacts to parkland (Attachment 4).

Ellanor C. Lawrence Park

Route 28 improvements over the last ten years have replaced numerous traffic signals with grade separated interchanges between Centreville and Route 7 to improve traffic flow along this limited access highway. The I-66/Route 28 interchange in Centreville, traffic light located at Braddock and Walney Roads near the eastern entrance to Ellanor C. Lawrence Park (ECLP), plus the traffic light at the western entrance (athletic field complex) of ECLP, still create major traffic flow constraints. VDOT has prepared a concept involving multiple grade separated flyovers to move traffic to and from I-66 at Route 28. This includes creating an interchange at Braddock/Walney Road over Route 28 (Attachment 5); removing the stoplight at the ECLP western park entrance from Route 28; and, replacing the western entrance to the ball fields from a reconstructed Poplar Tree Road, which will be extended over Route 28 to Westfields Boulevard (Attachments 6 & 7). Once construction begins, the design/build contractor will have 30 months to design and build the Poplar Tree Extension to Westfields Boulevard; the new entrance to the west portion of ECLP; the Braddock/Walney interchange; close the existing ECLP western entrance; and remove the corresponding two traffic lights on

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Route 28. When this phase is completed the contractor will move on to the I-66/Route 28 interchange.

VDOT designs show that all proposed work will remain within VDOT's right of way (except for the new park access road which is a benefit to the park). Therefore, the Park Authority has provided the required federal concurrence of minimal impacts under Federal Transportation Act Section 4(f) for the project as currently proposed.

Staff has made VDOT staff aware on multiple occasions that under the ECLP deed that the Park Authority must defend against all land takings for other than park purposes. In a previous VDOT action for takings related to ECLP, the County Attorney decided that if the Park Authority failed to oppose any takings or transfers of parkland for road improvements, the ownership of the park and the land would revert to St. John's Episcopal Church under the original deed to the Park Authority. VDOT was required to go to condemnation to acquire land rights. Staff anticipates a similar process would be necessary if ECLP parkland is required to be taken by VDOT with the current proposed improvements.

In addition, parts of ECLP are restricted under the provisions of the Land and Water Conservation Fund Act, administered by the Virginia Department of Conservation and Recreation. Any non-park use constitutes a conversion and must be replaced with land elsewhere. If parkland is required for the road improvements, VDOT would be required to complete the conversion process with Virginia Department of Conservation and Recreation.

Park Authority staff has provided this information to VDOT and continues to coordinate with VDOT with concerns regarding addressing the extensive pedestrian circulation needs in the area and minimizing any impacts to a large significant Civil War earthwork on VDOT ROW adjacent to the Braddock Road interchange loop and adjacent to a portion of ECLP. Staff has also requested a trail connection across Route 28 near Braddock/Walney Roads to provide a vital link in the planned West County Trail (WCT) that is part of the Fairfax County Trails Plan. Poplar Tree Extension may also provide a missing road crossing and trail section for the WCT (Attachment 8). No detailed engineering designs are available at this time. This project is funded by a combination of federal, state, local, and private funds.

Cub Run Stream Valley Park

At Cub Run Stream Valley Park, a long trail section is proposed outside of the right of way on an existing sewer easement adjacent to Cub Run Stream Valley Park, which will provide another vital link in the WCT (Attachment 8). While the sewer main is a suitable trail alignment, no trail easement currently exists on the sewer line that is located on private land between Route 29 and Cub Run Stream Valley Park. Additionally, a steep slope from Route 50 into the stream valley will require some detailed engineering or an

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alternative route through the existing private commercial property to connect to the stream valley trail (Attachment 9).

Trail Considerations:

Based on public input discussion is currently on-going as to whether the bulk of the non-motorized vehicle multimodal trail proposed along I-66 will remain on the highway side of the sound walls as currently planned or will be moved to the outside of the sound walls. Additional park impacts may occur if the trail location is moved to the outside of the sound walls.

Route 7 Widening (Dranesville and Hunter Mill District)

VDOT is nearing completion of the planning phase for widening Route 7 from Tysons to Reston Avenue (Attachment 10). The project will add an additional lane in each direction, provide multi-use trails on both sides of the road, upgrade all intersections and address flooding conditions near Colvin Run Mill. This project will also impact significant wetland and stream resources on parkland requiring restoration and mitigation. Impacts will occur to Colvin Run Mill Historic Site, Difficult Run Stream Valley, the GCCCT, Rails to River Trail (RRT), and Great Falls Nike Park. The design addresses uncontrolled stormwater runoff and flooding issues via the rerouting of Colvin Run and raising the bridge over Difficult Run, with trail rerouting and improvements. Cross agency county staff have coordinated to comprehensively identify potential park impacts and impacts to natural and cultural resources on this project, as well as mitigation opportunities by VDOT.

The Park Authority is currently negotiating mitigation and design strategies with VDOT to reach preliminary concurrence of minimal impact to park and recreation resources as required for federally funded projects under the Federal Transportation Act Section 4(f). As currently designed, the project will avoid impacts to Colvin Run Mill (CRM), mill head race, the Miller's House, General Store, associated features, or operations at Colvin Run Mill via shifting most of the impacts to the south side of Route 7. VDOT will avoid impacts to playing fields or other facilities with at Great Falls Nike Park. Proposed mitigation will include:

- Archaeology conducted on impacted features
- Provision of interpretive signs
- Realignment of the impacted sections of the Rails to River Trail
- Replacement of the Park Authority's impacted existing trail head/maintenance entrance and parking with minimum of three parking spaces along Carpers Farm Way
- Colvin Run Stream relocation with Corps of Engineers specified channel design

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- Rehabilitation of any temporary impacts to natural resources
- Utilization of native plants
- Invasive plant management in impacted areas
- Replacement of all impacted park signage and fences
- Head and tail race culverts adequately sized to pass flow volume necessary for all Colvin Run Mill operations (3000 gpm)
- At grade signalized pedestrian crossing at the intersection of Carpers Farm Way and Route 7.
- Realign and rebuild GCCCT with suitable connection to Rails to River Trail crossing of Carpers Farm Way and grade separated GCCCT natural surface trail pedestrian/ equestrian crossing of Route 7 under Difficult Run Bridge
- All impacted pedestrian ways will be reconstructed to ADA standards
- Manage storm water so that there is no increase in flooding potential or degradation on parkland downstream

Staff will continue to participate in the VDOT design process to monitor and address park impacts.

Huntington Levee (Mount Vernon District)

Huntington Park is a 22.5-acre local park, located along the south bank of Cameron Run between Telegraph Road and Route 1. Recurring flooding of the Huntington communities prompted a flood control study by the United States Army Corps of Engineers (USACE) that recommended the construction of a levee parallel to Cameron Run mostly within Huntington Park to protect the Huntington area. Staff has been participating in the project meetings through the design phase from 2013 to final design approval on August 17, 2016. Construction mobilization began onsite in February 2017 and construction began in March for the levee which will extend through the center of Huntington Park, including two sluice gates, a pump station with spillway, and an open space retention area that will take up much of the park (Attachment 11).

Impacted park facilities include an unscheduled diamond field, playground, basketball court, trails, and open space that are currently subjected to damage from flooding during major storm events. The overall use of Huntington Park will be substantially converted to a stormwater control facility; however, the large grass open retention area may be used for informal recreation activities when it is dry. Additionally, a major trail shown on the County Comprehensive Plan Trail Map along Cameron Run will be built on top of the levee, as well as a trail around the perimeter of the park that will connect to adjoining sidewalks in the neighborhood. A County-wide staff team is being assembled to determine additional opportunities to connect the trail atop the levee with adjoining communities and possibly connecting to the Potomac River.

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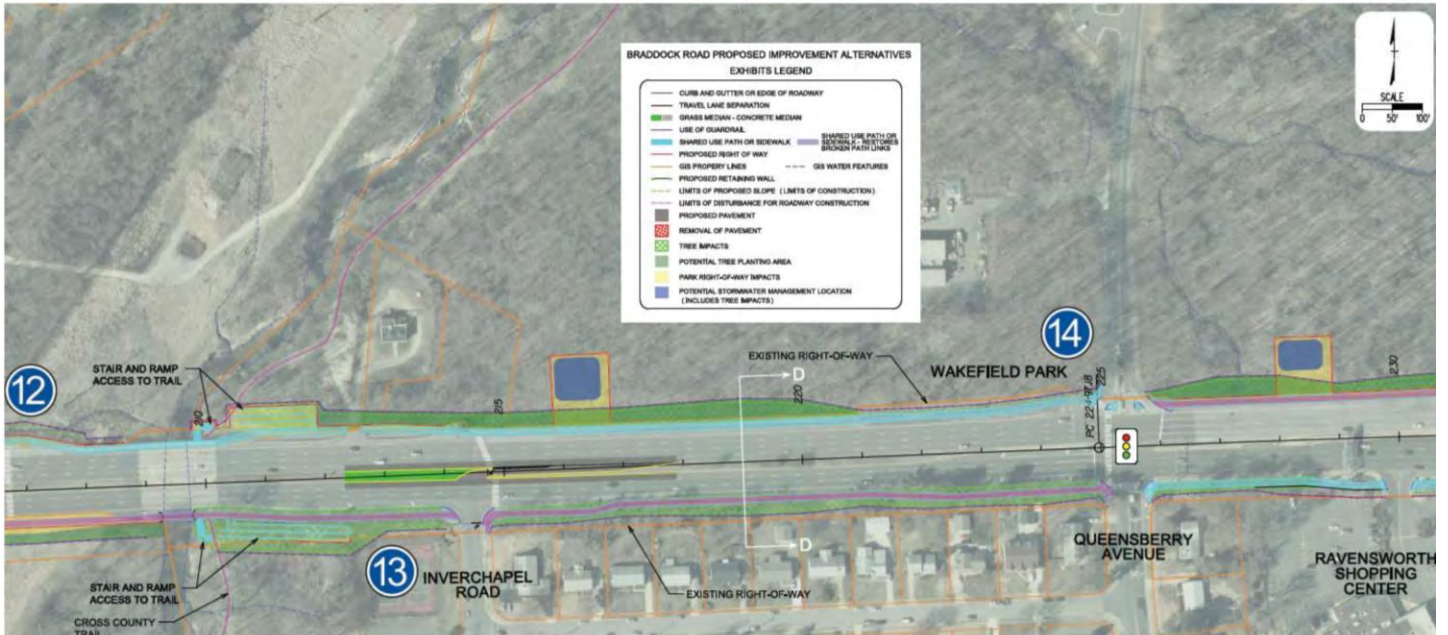
To offset the loss of the playground in Huntington Park, the Department of Public Works & Environmental Services (DPWES) has replaced the small aging playground at Farrington Park with a modern playground and tot lot structures as well as new benches, picnic tables, and fence. Park staff is working in partnership with DPWES staff to fund the trails in Huntington Park through a combination of project funding and proffer funding specified for trail improvements at Huntington Park. Staff also identified suitable park sites to reforest to replace approximately ten acres of forest that will be cleared from Huntington Park to construct the levee and associated stormwater facilities. Offsite reforestation of an equal amount of parkland will mitigate the loss at Huntington Park and be funded by DPWES, who will receive stormwater credits. Under a maintenance agreement between the Park Authority and DPWES, the levee and related facilities encompassing most the park will be the maintenance responsibility of DPWES.

ENCLOSED DOCUMENTS:

Attachment 1: Braddock Road Improvements
Attachment 2: I-66 Project Areas
Attachment 3: I-66 / I-495 Interchange Project Area Map
Attachment 4: I-66 Concept Plan near Random Hills Park
Attachment 5: I-66/28 Interchange Project Area Map
Attachment 6: Route 28 Poplar Tree Extension Project Area Map
Attachment 7: Route 28 New ECLP Entrance Project Area Map
Attachment 8: West County Trail Map
Attachment 9: I-66, Cub Run Project Area Map
Attachment 10: Route 7 Widening Project Maps
Attachment 11: Huntington Levee Map

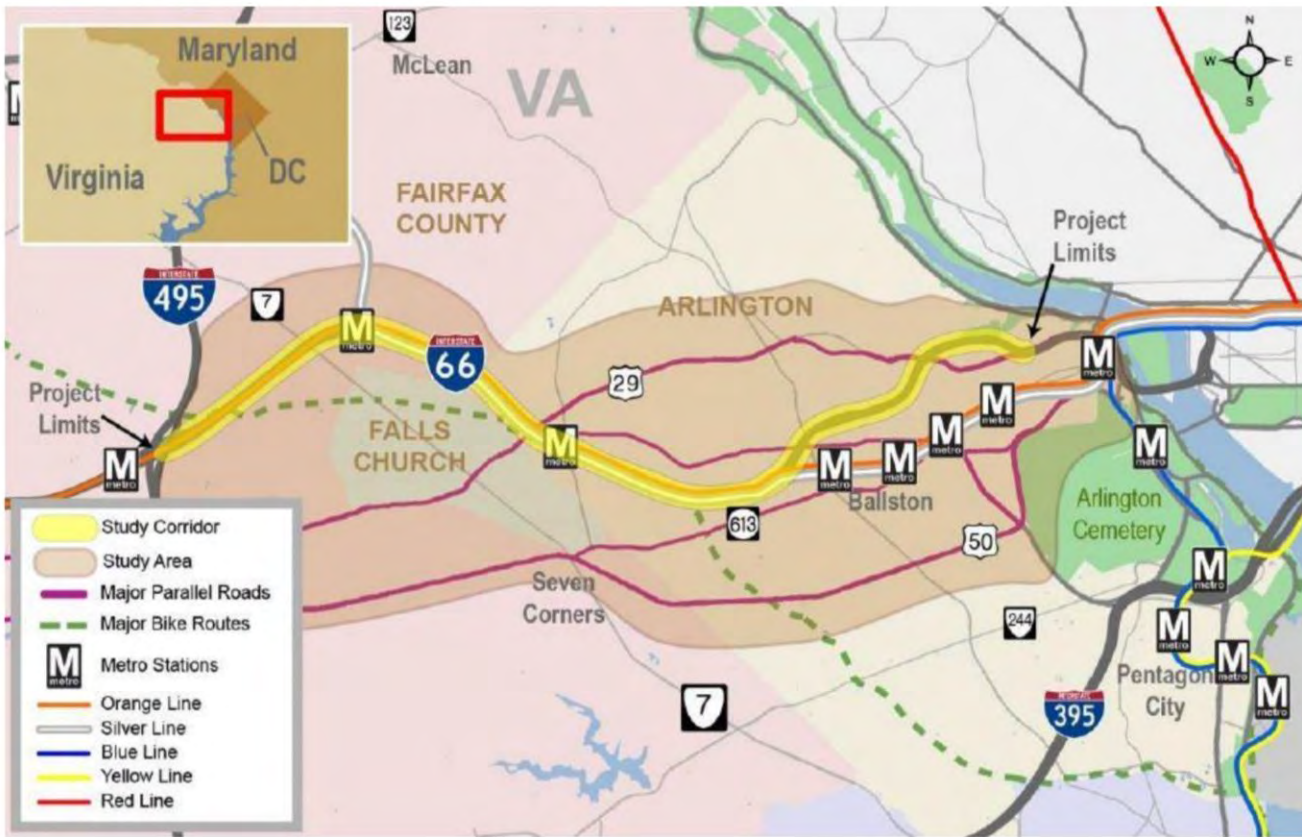
STAFF:

Kirk W. Kincannon, Executive Director
Aimee Vosper, Deputy Director/CBD
Sara Baldwin, Deputy Director/COO
David Bowden, Director, Planning & Development Division
Cindy Walsh, Director, Resource Management Division
Todd Brown, Director, Park Operations Division
Barbara Nugent, Director, Park Services Division
Judy Pederson, Public Information Officer
Andrea Dorlester, Manager, Park Planning Branch, Planning & Development Division
Andy Galusha, Landscape Architect/Park Planner, Planning & Development Division



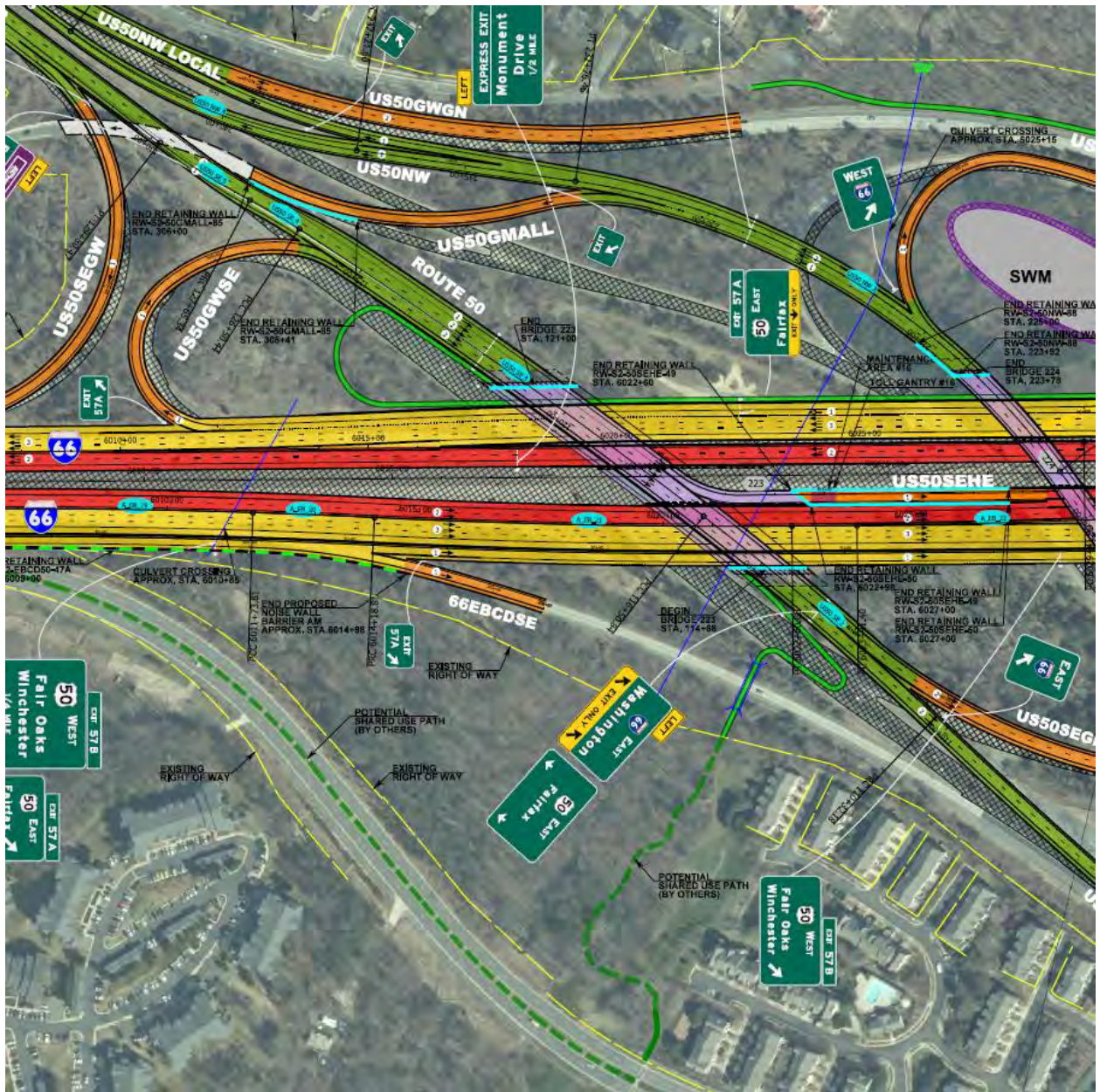


Project Area I-66 Inside the Beltway



Project Area I-66 Outside the Beltway



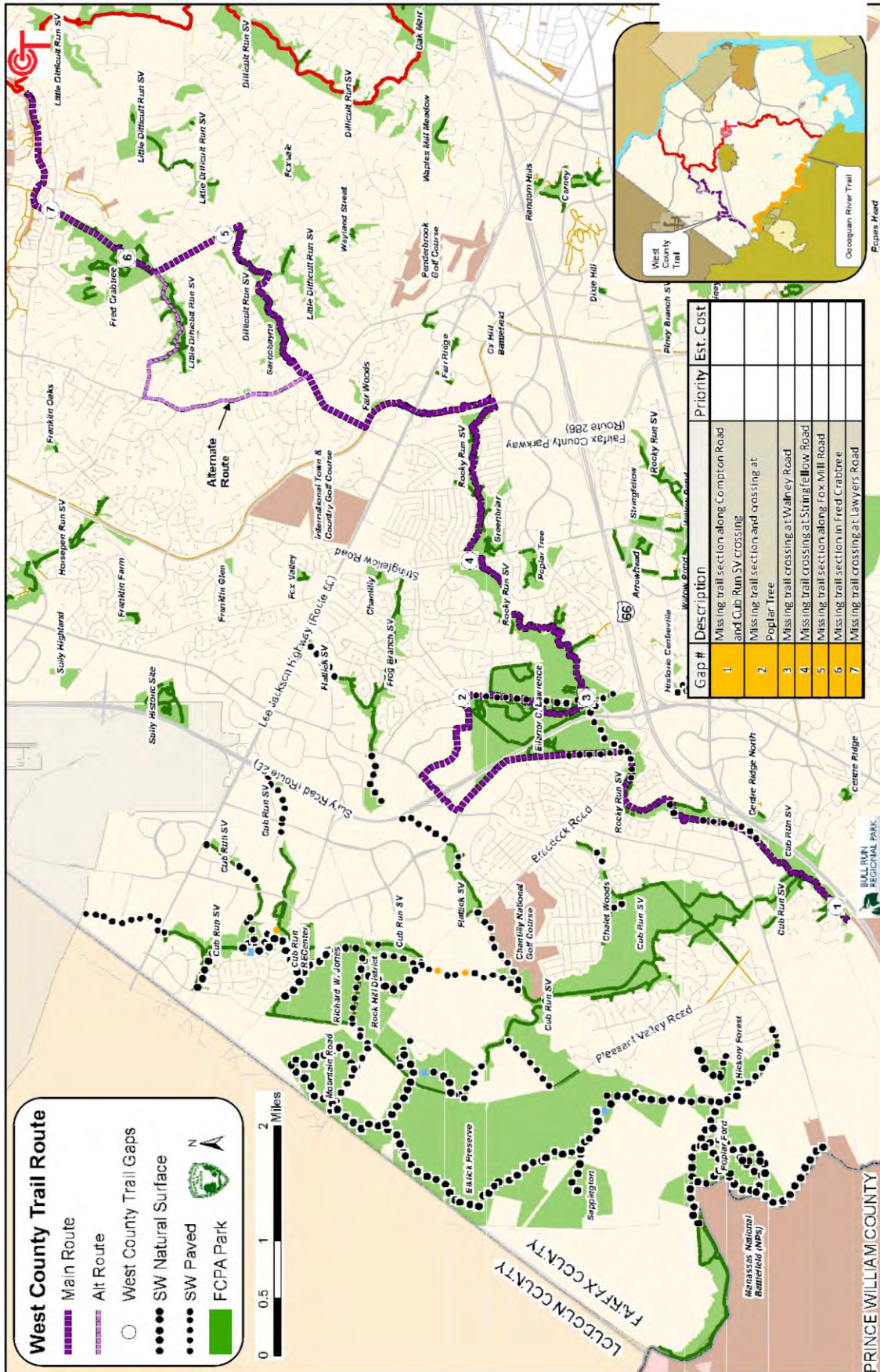


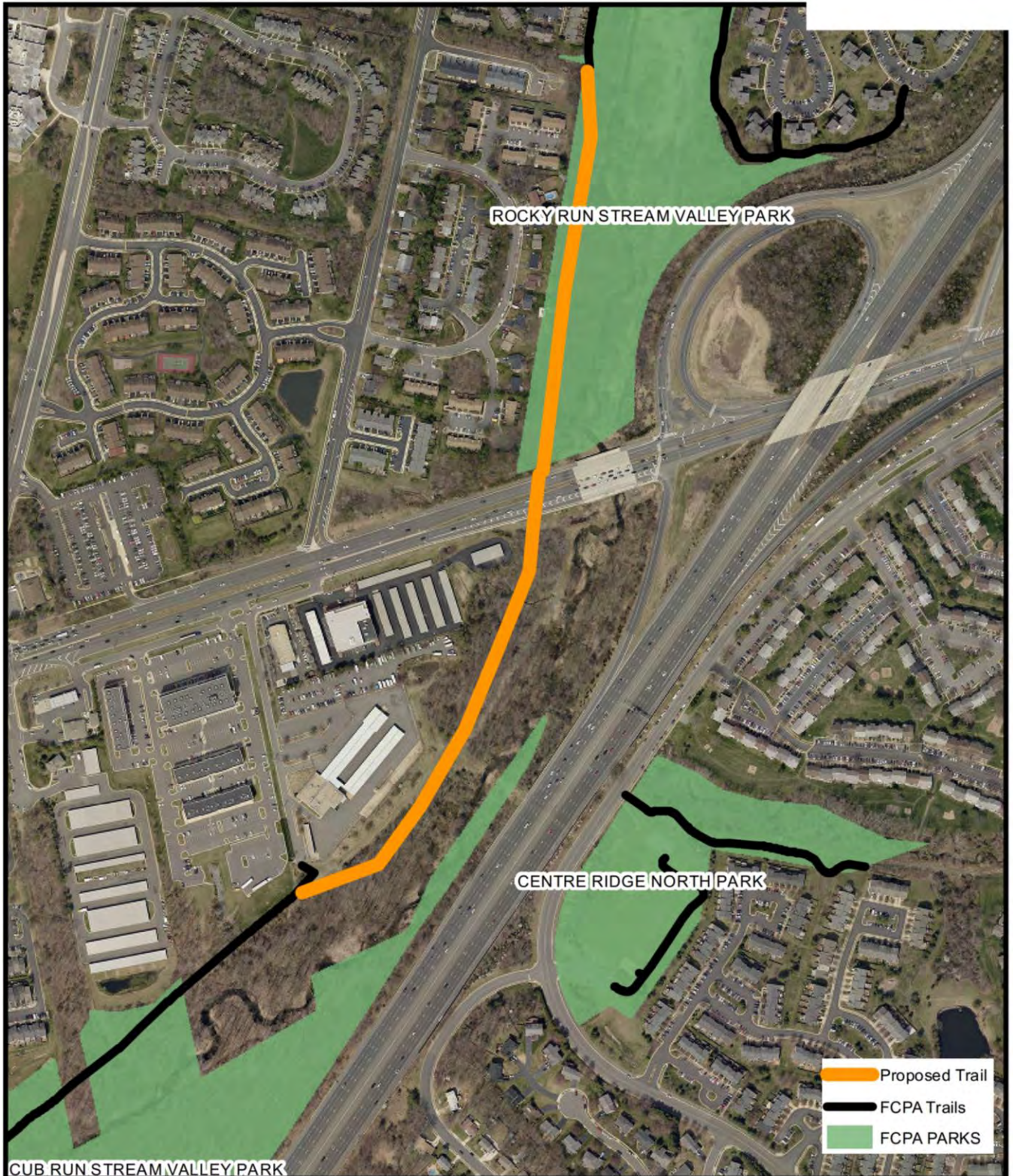













**FAIRFAX COUNTY
PARK AUTHORITY**
12055 Government
Center Parkway, Suite 406
Fairfax, VA 22035-1118

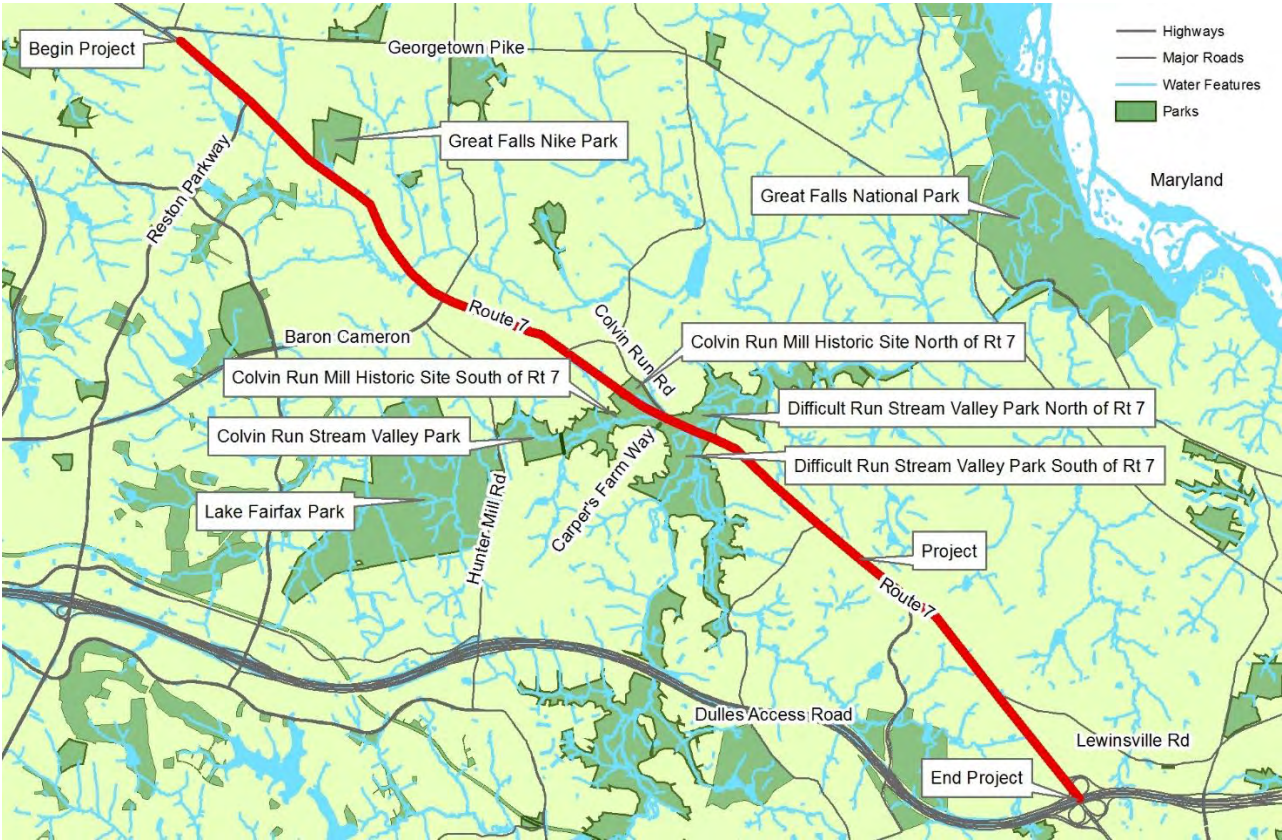
WEST COUNTY TRAIL
I-66 WIDENING
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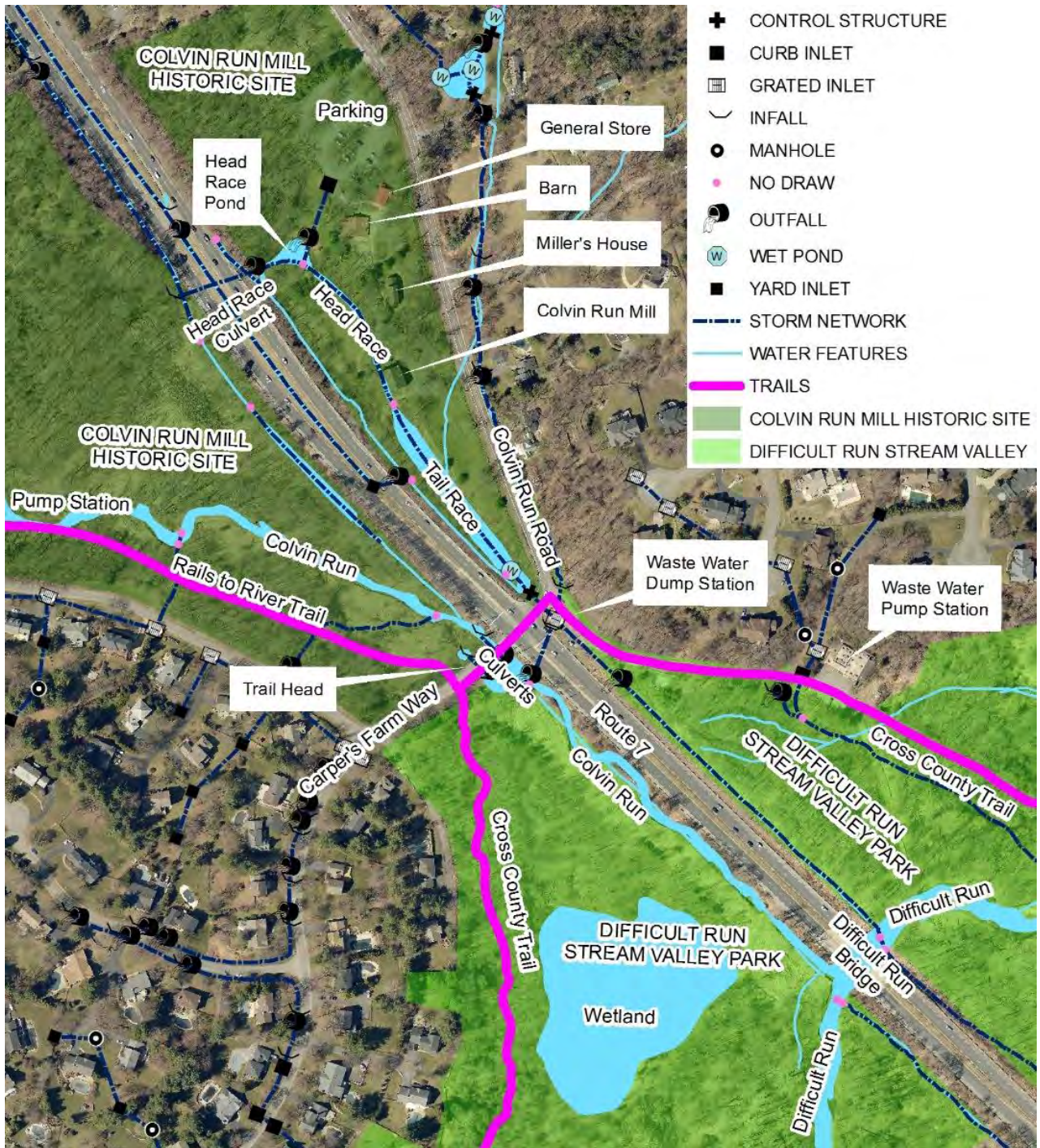


DRAFT
1 October 2015

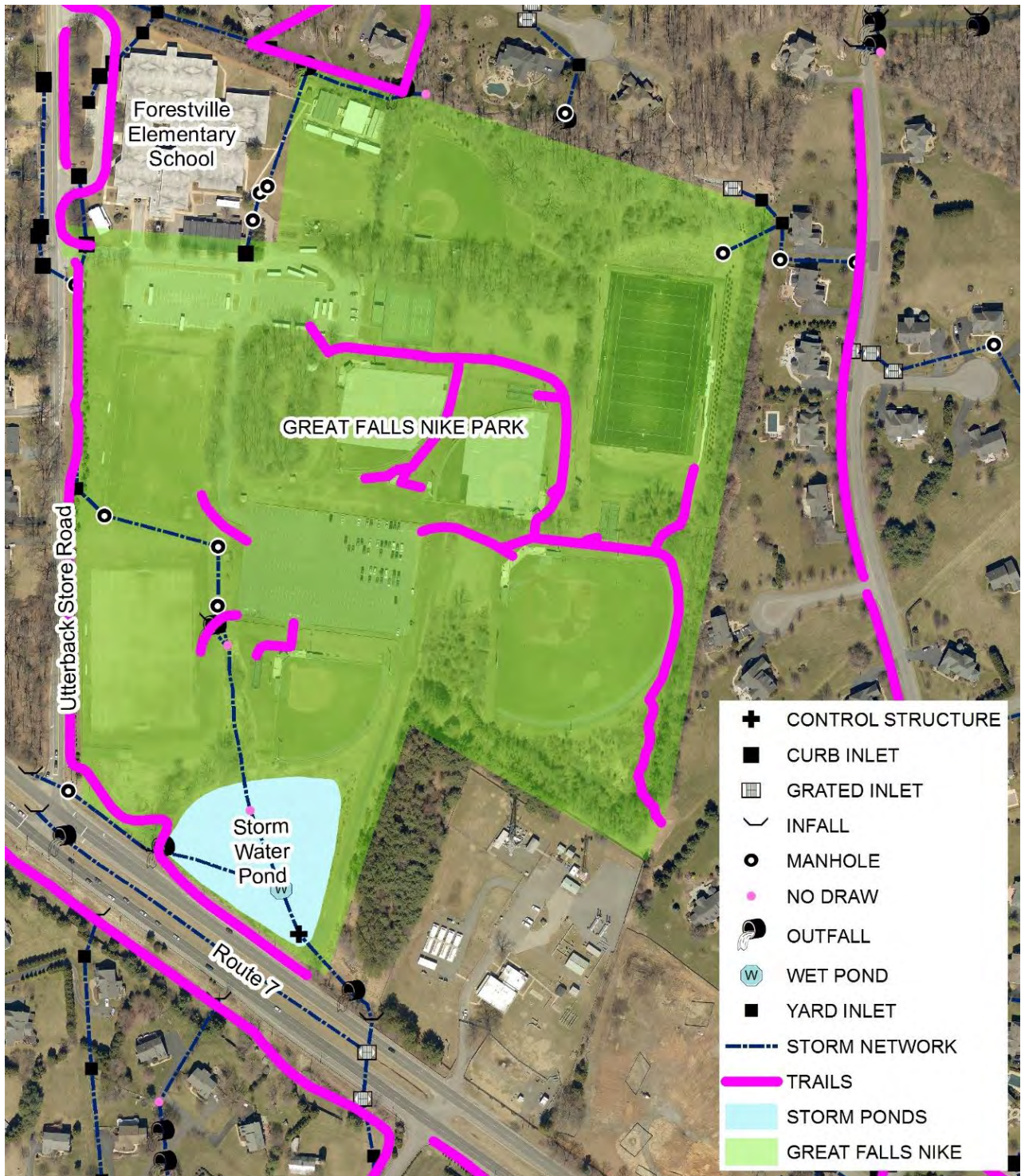
VDOT Route 7 Widening Project



Map 1: Route 7 Widening Project Area Map.



Map 2: Colvin Run Mill Historic Site & Difficult Run Stream Valley at Route 7 Map



Map 3: Great Falls Nike Park Map

Huntington Levee – Project Update

Huntington Levee Project Overview



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INFORMATION

Planning and Development Division Quarterly Project Status Report

The Planning and Development Division Project Status Report for the Second Quarter of CY 2017 includes projects approved by the Park Authority Board from the Planning and Development Division FY 2017 Work Plan. The report is grouped by Supervisory District and provides project status updated through June 30, 2017. The Project Status Report is broken down into park planning projects, synthetic turf replacement projects, projects executed with funding prior to the 2008 Park Bond, and projects being executed with 2008 and 2012 Park Bond funds as well as projects funded by the FY17 Revenue Sinking Fund and FY17 General County Construction Funds.

This will be the last report for the FY 2017 Work Plan. The next status report will include projects added in the FY 2018 Work Plan including projects funded by 2016 Park Bond.

ENCLOSED DOCUMENTS:

Attachment 1: Project Status Report as of Second Quarter of CY 2017

STAFF:

Kirk W. Kincannon, Executive Director
Sara Baldwin, Deputy Director/COO
Aimee L. Vosper, Deputy Director/CBD
David Bowden, Director, Planning and Development Division
Andrea Dorlester, Manager, Park Planning Branch
Paul Shirey, Manager, Project Management Branch
Mohamed Kadasi, Manager, Site Project Management Branch
Andrew Miller, Manager, Building Project Management Branch
Janet Burns, Senior Fiscal Administrator, Financial Management Branch
Michael Baird, Manager, Capital and Fiscal Services



FAIRFAX COUNTY PARK AUTHORITY



12055 Government Center Parkway, Suite 927 • Fairfax, VA 22035-5500
703-324-8700 • Fax: 703-324-3974 • www.fairfaxcounty.gov/parks

TO: Kirk W. Kincannon, Executive Director

FROM: David R. Bowden, Director
Planning and Development Division

DATE: August 8, 2017

SUBJECT: Quarterly Project Status Report

Attached is the Planning and Development Division's Quarterly Project Status Report for the **Second Quarter of CY2017**. This report provides the status, updated through June 30, 2017, for all projects that are included in the FY 2017 Work Plan as approved by the Park Authority Board.

Recently completed projects include:

Supervisory District: Braddock

- Lake Accotink Park – Access Road Culvert Replacement
Completed: July 2017
Project Cost: \$340,000

Supervisory District: Dranesville

- Colvin Run Mill – Miller's House - Structural and Exterior Envelope Rehabilitation
Completed: June 2017
Project Cost: \$665,000
- Marie Butler Leven Preserve – Residence Renovation
Completed: June 2017
Project Cost: \$450,000

Supervisory District: Hunter Mill

- Lake Fairfax Park – ADA Accessible Restroom B
Completed: June 2017
Project Cost: \$702,740

Supervisory District: Lee

- Historic Huntley Park – Tenant House Rehabilitation
Completed: March 2017
Project Cost: \$1,130,000
- Lee District Park – ADA Accessible Carousel
Completed: March 2017
Project Cost: \$1,065,000

- Mount Vernon Woods Park – Planning Commission Determination under VA code 15.2-2232 (2015 Park Master Plan)
Completed: July 2017
Project Cost: N/A

Supervisory District: Mason

- Bren Mar Park – Acquisition of the Allison Property
Recordation Date: June 9, 2017
Purchase Cost: \$450,000

Supervisory District: Mount Vernon

- Farington Park – Playground Replacement
Recordation Date: June 2017
Purchase Cost: \$186,000

Supervisory District: Springfield

- Burke Lake Golf Course – Golf Driving Range
Completed: April 2017
Project Cost: \$2,100,000
- Burke Lake Golf Course – New Sanitary and Landscape Restoration
Approval Date: April 2017
Project Cost: \$1,300,000
- Pohick Stream Valley – Liberty Bell Trail – Concrete/Asphalt Trail and Pedestrian Bridge
Approval Date: May 2017
Project Cost: \$1,251,350
- Hidden Pond Park – Playground Replacement
Approval Date: June 2017
Project Cost: \$247,000
- South Run District Park – Proffered Community Park Development
Approval Date: July 2017
Project Cost: \$420,000

Supervisory District: Sully

- EC Lawrence Park – Cabell's Mill – Paving of the Existing Trail
Completed: July 2017
Project Cost: \$172,800

Copy: Sara Baldwin, Deputy Director/COO
Aimee L. Vosper, Deputy Director/CBD
Barbara Nugent, Director, Park Services Division
Todd Brown, Director, Park Operations Division
Cindy Walsh, Director, Resource Management Division
Judy Pedersen, Public Information Officer
Janet Burns, Senior Fiscal Manager, Administration Division

Mike Baird, Management Analyst, Administration Division
James W. Patteson, Director, DPW&ES
Carey Needham, Director, Capital Facilities Division, DPWES
Ron Kirkpatrick, Director, Planning and Design Division, DPW&ES
Randy Bartlett, Director, Stormwater Planning Division, DPW&ES
Chris Leonard, Director, Neighborhood and Community Services
Paul Shirey, Manager, Project Management Branch
Andrea Dorlester, Manager, Park Planning Branch
Andrew Miller, Manager, Building Project Management Branch
Mohamed Kadasi, Manager, Site Project Management Branch
Cordelia Chu-Mason, Management Analyst, Planning & Development Division
Lynne Johnson, Planning Technician, Park Planning Branch
Jeanette O'Dell, Management Analyst, Park Operations Division
Mary Nelms, Internet Architect, Public Information



FAIRFAX COUNTY PARK AUTHORITY PROJECT STATUS REPORT SECOND QUARTER 2017



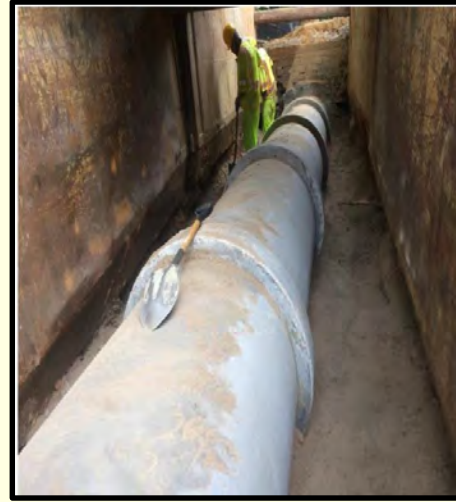
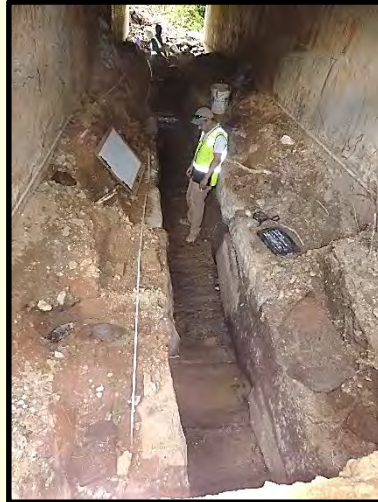
Eclipsing All Expectations



PLANNING AND DEVELOPMENT DIVISION SEPTEMBER 2017

Braddock District

LAKE ACCOTINK PARK – PROJECT COMPLETION REPORT



Lake Accotink Access Road Culvert Replacement

This project included the demolition of an existing civil war era stone culvert under the access road and replacement with an 36" RCP culvert with a headwall. The civil war culvert was excavated carefully to allow for FCPA Cultural Resources Staff to study and document the existing stone culvert before it was removed. Some of the stones from the culvert have been saved for future interpretive purposes.

Scope Estimate

\$340,000

Project Cost

\$340,000

Scheduled Completion

July 2017

Actual Completion

July 2017

Project Manager

Kelly Davis

Designer

FCPA

Contractor

McGee Civil

Supervisory District: Braddock

Park Authority Board Member: Tony Vellucci

Summary: This project was constructed with funding from County Infrastructure Funds, Washington Gas and Dominion Virginia Power.

Dranesville District

COLVIN RUN MILL – PROJECT COMPLETION REPORT



Structural and Exterior Envelope Rehabilitation – Miller's House

The rehabilitation to the Miller's House consists of structurally stabilizing the Miller's House for public and staff use and preserving the exterior/envelope of the house to improve its thermal and moisture properties.

Scope Estimate

\$665,000

Project Cost

\$665,000

Scheduled Completion

January 2017

Actual Completion

June 2017

Project Manager

Heather Lynch

Designer

SWSG

Contractor

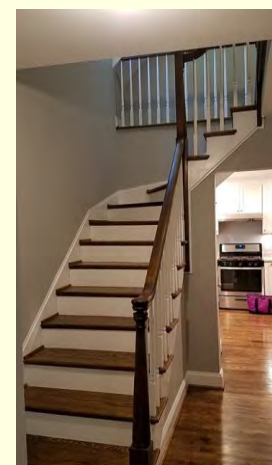
HITT

Supervisory District: Dranesville

Park Authority Board Member: Timothy Hackman

Summary: This project was constructed using funding from the 2012 Park Bond

MARIE BUTLER LEVEN PRESERVE – PROJECT COMPLETION REPORT



Residence Renovation

The project included the complete exterior and interior renovation/modernization of the residential house at Marie Butler Leven Preserve. Retention of the house is a condition of the original deed of donation for the park property. The renovation was funded by Earth Sangha under a lease for use of the house as a private residence as part of the existing Cooperative Agreement with Earth Sangha for maintaining the park as an arboretum and nature preserve and enhancing Earth Sangha's ability to carry out its on-site stewardship pursuant to the Cooperative Agreement.

Scope Estimate*

\$450,000

Project Cost*

\$450,000

Scheduled Completion

June 2017

Actual Completion

June 2017

*Funded by Earth Sangha

Project Manager

Sophia Lynn – The Earth Sangha

Yudhie Brownson - FCPA

Design/Build Contractor

Bowers Design Build

Supervisory District: Dranesville

Park Authority Board Member: Timothy Hackman

Summary: This project was funded by Earth Sangha as part of a lease for use of the residence in accordance with the Cooperative Agreement between the Park Authority and Earth Sangha for stewardship of the Preserve.

Hunter Mill District

LAKE FAIRFAX PARK – PROJECT COMPLETION REPORT



ADA Restroom “B”

The project replaced the previous non-accessible restroom with a modern fully accessible restroom serving the picnic area at Lake Fairfax Park.

Scope Estimate

\$702,740

Project Cost

\$702,740

Scheduled Completion

May 2017

Actual Completion

June 2017

Project Manager

Heather Lynch

Designer

Studio 3 Architect

Contractor

BGC/G&G

Supervisory District: Hunter Mill

Park Authority Board Member: William G. Bouie

Summary: This project was constructed using General County Construction Funding for ADA improvements.

Lee District

HISTORIC HUNTLEY PARK – PROJECT COMPLETION REPORT



Tenant House Rehabilitation

The rehabilitation repurposed the tenant house as an area for visitor orientation to the historic site as well as providing operational space for staff and access to the historic site in accordance with the Americans with Disabilities Act of 1990 (ADA).

Scope Estimate \$1,130,000	Project Cost \$1,130,000	Scheduled Completion March 2016	Actual Completion March 2017
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Project Manager
Heather Lynch

Designers
SWSG

Contractor
HITT & Southern Asphalt

Supervisory District: Lee

Park Authority Board Member: Cynthia Jacobs Carter

Summary: This project was constructed using funds from the 2008, 2012 Park Bond

LEE DISTRICT PARK – PROJECT COMPLETION REPORT



ADA Accessible Carousel

The project provides an additional inclusive feature to complement the accessible playgrounds, spraypark, tree house, and picnic shelter at the Family Recreation Area (FRA) at Lee District Park. The new accessible carousel and shelter continue the Chesapeake Bay theme carried throughout the FRA. The carousel includes distinctive animals such as a deer, a turtle, and an eagle in addition to traditional horses. The carousel also features a unique bench that moves vertically and horizontally to give physically challenged riders the same experience as other riders.

Scope Estimate	Project Cost	Scheduled Completion	Actual Completion
\$1,065,000	\$1,065,000	March 2017	May 2017

Project Manager

Heather Lynch

Designers

Cre8Play, LLC and Chance Rides

Supervisory District: Lee

Contractor

FCPA & Southern Asphalt

Park Authority Board Member: Cynthia Jacobs Carter

Summary: This project was constructed using 2012 Park Bond

MOUNT VERNON WOODS PARK – PROJECT COMPLETION REPORT



Planning Commission Determination under VA Code 15.2-2232 (2015 Park Master Plan)

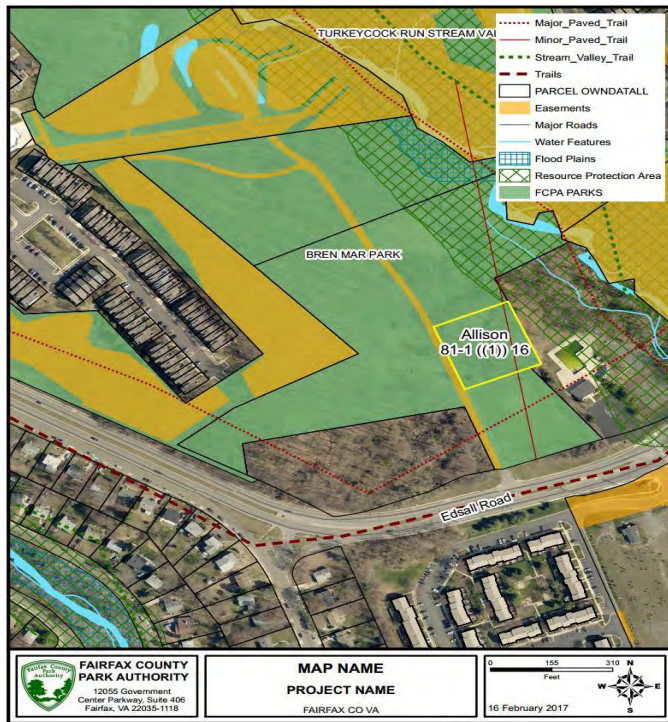
On July 27, 2017, the Fairfax County Planning Commission concurred that the public improvements planned for Mount Vernon Woods Park are consistent with the county’s Comprehensive Plan. The park’s Master Plan Revision was approved by the Park Authority Board on December 16, 2015. Planned amenities include a neighborhood skate park, playground, outdoor fitness area, sport court, picnic facilities, open play area, parking, and trails.

Scope Estimate	Project Cost	Scheduled Completion	Actual Completion
N/A	N/A	December 2016	July 2017
<u>Project Manager</u>			
Paul Ngo/Gayle Hooper			
Supervisory District: Lee		Park Authority Board Member: Cynthia Jacobs Carter	

Summary: This project was funded from the General Fund.

Mason District

BREN MAR PARK – PROJECT COMPLETION REPORT



Acquisition
complete

Addition to Bren Mark Park

Acquisition of the 1-acre Allison Property adds a missing section of Bren Mar Park which allows for development of additional amenities included in 2013 Master Plan Revision.

2017 Tax Assessment

\$485,450

Purchase

\$450,000

Recordation Date

June 9, 2017

Land Acreage

1 acre

Acquisition Agents

Michelle Meadows & Laura Finks

Tax Map

81-1((1))16

Supervisory District: Mason

Park Authority Board Member: Ron Kendall

Summary: This parcel was acquired using 2012 Park Bond funds.

MASON DISTRICT FIELD #1 RENOVATION– PROJECT COMPLETION REPORT



Field Renovation and Lighting Replacement

This project completed in partnership with Mason District Little League and the Washington Nationals Dream Foundation renovated the existing Field #1 at Mason District and replaced the existing lights with new LED lights. The field renovation included new outfield fencing, sod, irrigation, grading, dugouts, shade structures and new scoreboard.

Scope Estimate

\$674,000

Project Cost

\$674,000

Scheduled Completion

August 2017

Actual Completion

August 2017

Project Manager

Melissa Emory

Designer

FCPA

Supervisory District: Mason

Contractor

Whiting-Turner Contracting Co

Park Authority Board Member: Ron Kendall

Summary: This project was constructed with funding from the 2016 Park Bond, Mastenbrook Grant funds, and a turn-key donation from the Washington Nationals Dream Foundation.

Mount Vernon District

FARRINGTON PARK – PROJECT COMPLETION REPORT



Playground Replacement

This project completed in partnership with DPWES as part of the Huntington Levee project replaced the outdated playground that had surpassed its life expectancy with new themed playground equipment, subsurface drainage, and safety surfacing. The new playground includes composite play structures for ages 2-5 and 5-12 along with fencing, picnic tables and accessible benches.

Scope Estimate

\$186,000

Project Cost

\$186,000

Scheduled Completion

June 2017

Actual Completion

June 2017

Project Manager

Andy Galusha

Designer

FCPA\Cunningham Recreation

Supervisory District: Mount Vernon

Contractor

Gametime\Cunningham Recreation

Park Authority Board Member: Linwood Gorham

Summary: This project was constructed with funding from DPWES as a result of removal of the playground at Huntington Park for construction of the levee.

Springfield District

BURKE LAKE GOLF COURSE – PROJECT COMPLETION REPORT



BEFORE

Golf Driving Range

This project replaced the existing 40-station, at-grade driving range that was originally constructed in the 1960s with a modern, two-story driving range structure that includes 24 covered all-weather hitting stations, 24 elevated hitting stations, two covered teaching/rentable event areas and an additional 16 uncovered at-grade hitting stations totaling 64 hitting stations in all.

Scope Estimate

\$2,100,000

Project Cost

\$2,100,000

Scheduled Completion

April 2017

Actual Completion

April 2017

Project Manager

Eric Inman & Deb Garriss

Designer

Hughes Group Architects

Supervisory District: Springfield

Contractor

ADI Construction of Virginia LLC

Park Authority Board Member: Michael Thompson

Summary: This project was constructed with funding from the 2012 Park Bond.

BURKE LAKE GOLF COURSE – PROJECT COMPLETION REPORT



Burke Lake Park - Septic Field Study

New Sanitary Sewer and Landscape Restoration

The project included installation of 7,000 linear feet of 8-inch sanitary sewer line to tie the new Golf Course Club House and Driving Range facilities into the county sanitary sewer system via an existing manhole at the South Run Section 6 development. Installation of manholes for future lateral connections to other facilities within the park were included in the project. A natural resource restoration plan was developed and implemented to include tree and shrub planting, invasive plant management, and deer control for the areas cleared for the sanitary sewer installation.

Scope Estimate \$1,300,000	Project Cost \$1,300,000	Scheduled Completion April 2017	Actual Completion April 2017
<u>Project Manager</u> Eric Inman & Deb Garris			
<u>Designer</u> Paciulli Simmons & Associates, LTD		<u>Contractor</u> Kelvic Construction, Inc. & McDonnell Landscape, Inc.	
Supervisory District: Springfield		Park Authority Board Member: Michael Thompson	

Summary: This project was constructed with funding from the 2008 and 2012 Park Bond.

POHICK STREAM VALLEY – PROJECT COMPLETION REPORT



Liberty Bell Trail - Concrete/Asphalt Trail and Pedestrian Bridge

This project constructed a new stream valley trail section in the Pohick Stream Valley Park between Burke Lake Road and Burke Road. This trail includes approximately 1 mile of 10-ft wide ADA compliant asphalt and concrete trail and one 60-ft steel pedestrian bridge, creating both recreational and alternative non-modal transportation opportunities for the surrounding communities.

Scope Estimate

\$1,045,300

Project Cost

\$1,251,350

Scheduled Completion

May 2017

Actual Completion

May 2017

Project Manager

Tom McFarland

Designer

Rinker Design Associates

Supervisory District: Springfield

Contractor

Accubid Construction Services, Inc.

Park Authority Board Member: Michael Thompson

Summary: This project was constructed with funding from the 2006 Park Bond and 80% funding in the amount of \$970,135 from the Federal Highway Administration Transportation Alternatives Program Grant funding administered by the Virginia Department of Transportation.

HIDDEN POND PARK – PROJECT COMPLETION REPORT



Playground Replacement

This project replaced the outdated playground that had surpassed its life expectancy with new themed playground equipment, subsurface drainage, and safety surfacing. The new playground is approximately 6,500 SF and includes composite play structures for ages 2-5 and 5-12, along with swings, fencing, and accessible benches.

Scope Estimate

\$290,000

Project Cost

\$247,000

Scheduled Completion

December 2017

Actual Completion

June 2017

Project Manager

Isabel Villarroel

Designer

FCCA\Cunningham Recreation

Supervisory District: Springfield

Contractor

Gametime\Cunningham Recreation

Park Authority Board Member: Michael Thompson

Summary: This project was constructed with funding from the 2012 Park Bond

SOUTH RUN DISTRICT PARK – PROJECT COMPLETION REPORT



Proffered Community Park Development

This project included the demolition of an existing 23-year old playground, tot lot, and two shade structures. These components were all replaced to current safety standards and the tot lot developed with poured-in-place safety surfacing and both areas with improved subsurface drainage. Facilities include composite play structures for ages 2-5 and 5-12, along with swings, fencing, accessible benches, and walks.

Scope Estimate

\$500,000

Project Cost

\$420,000

Scheduled Completion

June 2017

Actual Completion

July 2017

Project Manager

Mark Holsteen

Designer

FCPA\Cunningham Recreation

Supervisory District: Springfield

Contractor

Gametime\Cunningham Recreation

Park Authority Board Member: Michael Thompson

Summary: This project was constructed with funding from the 2012 Park Bond

Sully District

EC LAWRENCE PARK – PROJECT COMPLETION REPORT



Cabell's Mill – Paving of the existing Trail

The project included asphalt paving of an existing section of stone dust trail in the Rocky Run Stream Valley near Cabell's Mill in Ellanor C. Lawrence Park that required constant repairs and maintenance due to surface erosion. The project included lifecycle replacement of several existing culverts to improve drainage and extend the lifecycle of the trail.

Scope Estimate

\$172,800

Project Cost

\$172,800

Scheduled Completion

May 2017

Actual Completion

July 2017

Project Manager

Som Govender, P.E.

Designer

Som Govender

Supervisory District: Sully

Contractor

Accubid Construction Services, Inc.

Park Authority Board Member: Maggie Godbold

Summary: This project was constructed using funding from the 2012 Park Bond.

Planning & Development Division

(Planning Projects)

Second Quarter CY 2017

STATUS

A	Active Project
W/C	Warranty/Closeout Project
I	Inactive Project
C	Completed Project

SCHEDULE INDICATOR

G	Green - On schedule
Y	Yellow - Schedule delayed by two quarters or more
R	Red - Project stopped

FY 2017 Work Plan (7/2016 - 6/2017)

Actual

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Total Project Scope Budget (\$)	Total Project Cost (\$)	Schedule Indicator	
Braddock	Lake Accotink	Master Plan and 2232	Revised master plan following completion of Lake Sustainability Study.	MP	General Fund	23	A	Mar-15	Jan-17	Hooper	Jun-14		75%			G	
				2232	General Fund	7		Feb-17	Aug-17	Hooper							
				Remarks: BOS carryover funding provided of \$179,000 to explore sustainability options. Sustainability study 80% complete and awaiting State TMDL sediment standards to be established in March 2017; Public Open House held March 14, 2016. Public Meeting on Lake Sustainability Study held May 16, 2016; Facility and programming workshop held on October 25, 2016 and Trail workshop held on December 5, 2016 to inform plan development. Community meeting regarding natural and cultural resources planned for April 24, 2017. Draft plan will be developed after the April meeting. With regard to the condition of the lake, DPWES currently sees no value in participating with the Park Authority for any of the lake alternatives. Staff team met on July 10, 2017 to discuss direction for plan. Draft CDP and report in development.													
Braddock	Rutherford Park	Amend Master Plan	Add outdoor fitness equipment to master plan	Planning	General Fund	11	I	Jan-17	Dec-17	TBD	17-Jun					G	
																	Remarks: Administrative revision to master plan was started; however, due to work done separately to move forward with fitness equipment in the park, the administrative revision was stopped.
Countywide	Agencywide	Great Parks Update	Utilize 2016 NA, GIS and Asset input and data to update Park System Comprehensive Plan, Great Parks, Great Communities	Planning	General Fund	Ongoing	A	Jul-16	Dec-17	Hudson	Aug-16		70%			G	
																	Remarks: Guiding principles established by PAB in December. Presentations/workshops with LT and PAB held from February through June. Workshops and focus groups with FCPA staff completed in March. A Friends Group focus group, Athletic Council presentation and discussions with leadership of other County agencies completed in April and May. Plan Goals and Recommendations approved by the PAB on 6/28/17. Draft document to be reviewed by PAB in July.
Countywide	Agencywide	Strategic Plan	Develop strategic objectives/projects for FY2017; Begin next 5 year strategic planning process	Planning	General Fund	21	A	Apr-16	Dec-17	Dorlester, et al	Mar-17					G	
																	Remarks: Kickoff meeting held with DO on March 29. Process and structure in development to include action plans for each of six goals from the Great Parks Great Communities Master Plan. Staff teams to begin work in August.
Countywide	Agencywide	Update proffer contribution amount	Utilize Updated 2016 NA and construction cost data to update formula elements for proffer contribution amount and gain concurrence from DPZ, OCR, PC and BOS	Planning	General Fund	12	C	Jul-16	Jun-17	Stewart	Aug-16	1-Jun	100%			G	
																	Remarks: Schedule: 5/2/17 - BOS authorization. 5/25/17 - Planning Commission. 6/20/17 - BOS approval. To LT in April and to PAB in May 2017. Approved by BOS in June 2017. New fees (\$1,900 per dwelling unit) took effect July 1, 2017. Last report.
Countywide	Agencywide	Park Arts Policy	Develop park art policy for PAB consideration and adoption	Planning	General Fund	13	C	Sep-15	Sep-16	Dorlester	Aug-15		60%			G	
																	Remarks: Draft policy under review; staff met with sponsoring PAB member in February. Policy presented to PAB on 6/28/17. Last report.
Countywide	Agencywide	Drone Usage Study	Develop recommendation regrads drone use in parks	Planning	General Fund	19	A	Jun-16	Dec-17	Stewart	Aug-16		90%			G	
																	Remarks: Research on drone use on public lands and FAA regulations and stakeholder interviews initiated. Draft recommendations prepared, scheduled for PAB review on July 12, 2017. Implementation to follow in FY18.
Countywide	Countywide	Special Land Use Studies, Comp Plan Amendments, Impact Analysis, Watershed Projects	Coordinate with other park divisions and County agencies on special County land use studies such as Embark (Richmond Highway), Transportation Impact Studies, (I-66, Rt. 7) Revitalization, Urban Parks, Fairfax Forward, EIP, Watershed Plans/Projects	Planning	General Fund	Ongoing	A			Dorlester	Ongoing					G	
																	Remarks: Countywide land use studies are ongoing & coordination w/in FCPA & with other agencies takes place continually. Implementation of these plans is ongoing through rezoning actions; FCPA participation in current land use studies include plan amendments for Fairfax Center, Dulles Suburban Center, Tysons Phase III and EMBARK for Richmond Highway. Tysons Plan Amendment approved by BOS on 3/14/17.

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)					PM	Start Date	End Date	% Complete	Total Project Scope Budget (\$)	Total Project Cost (\$)	Schedule Indicator
						Duration	Status	Start Date	End Date	PM							
Countywide	Agencywide	GIS	Assess agencywide spatial data and utilization for integration with agencywide data systems and to support development of GIS tools tailored to park information needs and operations. Create a multi-year GIS work plan.	Planning	General Fund	Ongoing	C			Roberson	Ongoing		100%				
Remarks: Assessment of GIS use in FCPA conducted; draft work plan created; presentations made to LT and Director. Last Report.																	
Countywide	Countywide	Skateparks	Planning study for incorporation of Neighborhood Skateparks in Parks	Planning	General Fund	12	I	Jan-16	Dec-16	Dorlester & Ngo	Jun-16		50%			R	
Remarks: Team established and research underway. Project delayed due to reduced staffing levels.																	
Countywide	Countywide	Dog Parks	Planning study for location of additional Dog Parks	Planning	General Fund	12	I	Jul-13	Jun-14	Galusha	May-14		55%			R	
Remarks: On hold until FY19 due to reduced staffing levels. GIS Analysis conducted. Operations under review.																	
Countywide	Countywide	Parking Study	Planning study to review existing parking standards	Planning	General Fund	12	I	Sep-16	Aug-17	TBD						R	
Remarks: on hold until staff resources are available																	
Countywide	Countywide	Countywide Trail Plan	Coordinate data from various county agencies and trail providers to create a comprehensive Countywide trail/connectivity plan and map	Planning	General Fund	24	A	Jul-16	Jun-18	Roberson/Cronauer	Sep-16		15%			G	
Remarks: Trail data being updated in GIS and Tririga to support a trail plan.																	
Dranesville	Riverbend	2232 Application	Apply for 2232 determination.	2232	General Fund	6	A	Aug-12	Jan-13	Galusha						Y	
Remarks: 2232 Application in draft as of July 14, 2017.																	
Dranesville	Salona	Master Plan and 2232	Complete MP and 2232 following adoption of Langley Forks MP and transfer	MP	General Fund	13	I	May-09	May-10	Galusha	May-09		85%			R	
				2232		5	I	May-10	Sep-10								
Remarks: Public information meeting held 2/4/10. Public comment meeting held 11/17/10. Due to public concerns about proposed MP uses, Task Force formed by Dranesville Supervisor and PAB member. TF continues to meet with staff attendance. TF held public input meeting on Oct. 4, 2012 and has requested several studies including stormwater and archaeology be conducted prior to making their recommendations. Task Force submitted final recommendations to Sup. Foust and FCPA. Dissenting report issued by McLean Athletic community. PAB directed that master plan be postponed till after Langley Fork MP is approved.																	
Dranesville	Turner Farm	Master Plan and 2232	Revise MP for added property and apply for 2232 determination following Resident Curator Program initiation	MP	General Fund	TBD	A	TBD	TBD	Galusha	Nov-16		10%			G	
				2232		TBD	I	TBD	TBD								
Remarks: Project postponed pending Resident Curator Implementation. Community meetings held on equestrian parking. Project team kickoff meeting held in January and coordination meeting with RMD/Resident Curator program manager held in March. PIM held 2017-06-27.																	
Dranesville	Langley Fork	Master Plan and 2232	Complete MP and apply for 2232 determination following Langley Forks land transfer with NPS	MP	General Fund	49	A	Jan-13	Dec-17	Hooper	Jan-13		80%			G	
				2232	General Fund	8	I	Jan-17	Aug-17	Hooper							
Remarks: Draft Master Plan completed. NPS currently reconsidering the acceptable level of park development. Environmental Assessment will be completed after receiving a revised preferred alternative from NPS. Project on hold until resolution with NPS.																	
Hunter Mill	Baron Cameron	2232	Apply for 2232 determination.	2232	General Fund	6	I	Aug-13	Jan-14	Stewart						R	
Remarks: On hold pending dog park resolution.																	
Hunter Mill	Lake Fairfax Park	MP Amendment and 2232	Add high ropes course to MP, plan park addition and apply for 2232 determination following County decision on septage site.	MPR	General Fund	13	A	Jan-13	Jan-14	Wynn	Aug-13		10%			Y	
				2232	General Fund	6	I	May-14	Oct-14	Wynn							
Remarks: New staff hired and project manager assigned. Team startup occurring in July 2017. Team kickoff anticipated for late July/early August with PIM anticipated in October.																	

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration					% Complete			Total Project Scope Budget (\$)	Total Project Cost (\$)	Schedule Indicator	
						(in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	Complete				
Lee	Franconia District	MP Amendment and 2232	Added athletic field lighting and reconfigure athletic fields.	MPR	General Fund	9	A	Jul-12	Mar-13	Galusha	Jun-13		90%			Y	
				2232	General Fund	6	I	Mar-14	Aug-14	Galusha							
						Remarks: Public Information Held in July 2013; Draft Plan presented to PAB in December 2013. Public Comment Meeting held April 1, 2014. working with Supervisor's office and community to address concerns in plan revisions. Met with community and sports representatives who concurred on plan changes. Refinements made to MP and 2nd Public meeting held on 11/12/14. March 17, 2015 Follow up meeting held with Police and transportation officials. Sup. McKay asked that MP be placed on hold for one year to address community issues. Met with Supervisor McKay in March 2017 and he asked that a public meeting be held in June to re-start the project. Public Update Meeting held on 2017-06-29 to resume planning process. Anticipate bringing final MP to PAB for approval in October 2017.											
Lee	Mt. Vernon Woods	2232	Apply for 2232 determination	2232	General Fund	7	A	Jun-16	Dec-16	Ngo	Sept-15		80%			G	
						Remarks: PAB approved MP in December 2015. 2232 filed in May 2016. Received comments from agencies in March 2017 and provided responses in June. Waiting for DPZ to schedule PC hearing.											
Lee	Huntley Meadows	Master Plan Revision and 2232	Revise MP for added property, conservation easement, removed road	Planning	General Fund	TBD	I	TBD	TBD	Galusha							
				2232	General Fund	TBD	I	TBD	TBD	Galusha							
						Remarks: On hold until easement is in place, other master plans are finished. To be added to the FY19 work plan.											
Mason	Bren Mar	2232 Application	Apply for 2232 determination.	2232	General Fund	6	I	Apr-13	Sep-13	Stewart	Mar-13		70%			R	
						Remarks: On hold pending land acquisition and MP amendment.											
Mason	Green Spring Gardens	2232 Application	Apply for 2232 determination	2232	General Fund	7	A	Sep-15	Mar-16	Hooper						G	
						Remarks: 2232 application is being prepared and will be submitted to DPZ by end of July 2017.											
Mt. Vernon	Mason Neck West	2232	Apply for 2232 determination	2232	General Fund	7	C	Sep-14	Dec-14	Hooper	Jan-16	Jan-17	100%				
						Remarks: 2232 filed February 2016; approved by Planning Commission 1-18-17. Last Report.											
Mt. Vernon	Old Colchester Park and Preserve	2232	Apply for 2232 determination	2232	General Fund	7	C	Jun-16	Dec-17	Hooper	Dec-15	Dec-16	100%				
						Remarks: PAB approved MP in May 2015; 2232 filed in May 2016 and was approved by the Planning Commission in December. Last Report.											
Mt. Vernon	North Hill	Joint site planning Initiative	MP Refinement in coordination with HCD Public Private Venture/ Comp Plan Amendment and Rezoning Review	Planning	General Fund	19	C	Jun-15	Dec-16	Dorlester/ Hooper	Jan-15	Feb-17	100%				
				2232	General Fund		C			Hooper							
						Remarks: North Hill PPEA under consideration through HCD; Plan Amendment and Rezoning approved. Approved CDP/FDP provides layout for park design which replaces the previously approved master plan for North Hill Park. Additional 2232 application will not be required.											
Providence	Ruckstuhl	Master Plan and 2232	Apply for 2232 determination.	2232	General Fund	7	A	May-15	Nov-15	Stewart	Jan-16		80%			G	
						Remarks: 2232 under review. FCPA comments submitted to DPZ. Waiting on staff/Planning Commission Review.											
Springfield	Patriot North/Lincoln Lewis Vannoy	2232	Apply for 2232 determination. - Advance baseball complex	2232	General Fund	6	A	Feb-16	Jul-16	Galusha	Feb-17		80%			Y	
						Remarks: 2232 under review. 2232 application submitted to DPZ on June 2, 2017. Will be processed as a Feature Shown. Waiting on staff/Planning Commission Review.											
Springfield	Patriot Park	Master Plan Revision and 2232	Revise MP for added property and to account for road impacts and complete 2232 application	Planning	General Fund	TBD	I	TBD	TBD	Galusha						R	
				2232	General Fund	TBD	I	TBD	TBD	Galusha							
						Remarks: On hold until DOT resolves Shirley Gate Road extension and access to park.											
Springfield	Patriot Park	Proffered Condition Amendment	PCA to move proffer contributions to Patriot Park North	Planning	General Fund	TBD	A	Apr-17	TBD	Battista	17-Apr		20%			G	
						Remarks: Discussions held with DPZ and County Attorney. BOS public hearing to be scheduled for the fall.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration					PM	Start Date	End Date	Complete	Total Project Scope Budget (\$)	Total Project Cost (\$)	Schedule Indicator	
						(in Mos)	Status	Start Date	End Date	PM								
Sully	Ellanor C. Lawrence	Master Plan and 2232	Amend and update master plan. Apply for 2232 determination.	Planning	General Fund	21	A	Mar-16	Dec-17	Stewart	Dec-13		80%				G	
				2232		4	A	Jan-18	May-18	Stewart	Sep-17							
				Remarks: Team kick-off held in February, 2016; Public Info Meeting held June 28, 2016. Draft plan to be presented to LT and PAB in April 2017 to authorize public comment meeting.														
Sully	Sully Woodlands	2232	Apply for 2232 determinations for core parks within Sully Woodlands	2232	General Fund	9	I	Mar-16	Dec-16	Stewart	Jan-16		20%				G	
				Remarks: 2232s being drafted. Meeting held with DPZ for administrative direction. Application on hold due to land acquisition and need for MP update.														

Planning & Development Division
(Synthetic Turf Field Replacements)
 Second Quarter CY 2017

STATUS

A	Active Project
W/C	Warranty/Closeout Project
I	Inactive Project
C	Completed Project

SCHEDULE INDICATOR

G	Green - On schedule
Y	Yellow - Schedule delayed by two quarters or more
R	Red - Project stopped

FY 2017 Work Plan (7/2016 - 6/2017)

Actual

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub-tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Total Project Scope Budget (\$)	Total Project Cost (\$)	Schedule Indicator
Braddock	Wakefield	Synthetic Turf Replacement	Replace synthetic turf on existing rectangular field	Construction	BOS Fund 300-C30010	7	W/C	Jun-16	Dec-16	Li	Sep-16	Dec-16	100%	\$ 450,000.00	0	G
Remarks: Purchase Order for construction approved. Construction substantially completed on December 15, 2016																
Hunter Mill	Lake Fairfax	Synthetic Turf Replacement	Replace synthetic turf on existing rectangular fields #1 & #4 which were installed in 2007	Construction	BOS Fund 300-C30010	13	A	Sep-16	Sep-17	Li	Sep-16		10%	\$ 900,000.00		G
Remarks: Evaluate proposal and process PO. Construction scheduled to start in July 2017.																
Mason	Mason District	Synthetic Turf Replacement	Replace synthetic turf for existing field which was installed in 2008.	Construction	BOS Fund 300-C30010	7	W/C	Jun-16	Dec-16	Li	Jun-16	Jul-16	100%	\$ 450,000.00		G
Remarks: PO is in process. Work scheduled for completion in July 2016. Project completed in July 2016. Field under warranty till July 2017																
Springfield	Braddock	Synthetic Turf Replacement	Replace synthetic turf for existing field which was installed in 2008.	Construction	BOS Fund 300-C30010	13	A	Sep-16	Sep-17	Mends-Cole	Sep-16		10%	\$ 450,000.00		G
Remarks: Evaluate proposal and process PO. Construction scheduled to start in July 2017.																
Springfield	South Run	Synthetic Turf Replacement	Replace synthetic turf on existing rectangular fields # 5 & 6 which were installed in 2005	Construction	BOS Fund 300-C30010	13	A	Sep-16	Sep-17	Li	Sep-16		10%	\$ 900,000.00		G
Remarks: Evaluate proposal and process PO. Construction scheduled to start in August 2017.																
Sully	Poplar Tree	Synthetic Turf Replacement	Remove existing synthetic turf for fields 2 & 3 that were put in service in 2007 and replace with new turf.	Construction	BOS Fund 300-C30010	13	A	Sep-16	Sep-17	Mends-Cole	Sep-16		10%	\$ 900,000.00		G
Remarks: Evaluate proposal and process PO. Construction scheduled to start in July 2017.																

Planning & Development Division

(Projects Not Funded by 2008 or 2012 Bonds)

Second Quarter CY 2017

STATUS

A	Active Project
W/C	Warranty/Closeout Project
I	Inactive Project
C	Project Complete

SCHEDULE INDICATOR

G	Green - On schedule
Y	Yellow - Schedule delayed by two quarters or more
R	Red - Project stopped

FY 2017 Work Plan (7/2016 - 6/2017)

Actual

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Total Project	Total Project	Schedule Indicator
														Scope	Budget (\$)	
Countywide	South Run/ Mt. Vernon District	ADA retrofits	Mt. Vernon RECenter - retrofit Team Locker Rooms, Ice Rink, Women's Locker Room and Men's Locker Room to meet ADA standards. South Run RECenter - retrofit Family Changing Room, Women's Locker Room and Men's Locker Room to meet ADA standards	Scope	General Fund	6		Jul-13	Dec-13	Hardee	Nov-13	Dec-14	100%			
				Design	General Fund	6		Jan-14	Jun-14	Hardee	Dec-14	May-16	100%			
				Construction	General Fund	12	W/C	Jul-14	Jun-15	Lynch	Jun-16	Oct-16	100%			G
				Remarks: Request for Proposal was sent to Shaffer, Wilson, Sarver & Gray, PC and is due on January 17, 2014. Revised Request For Proposal was sent to SWSG to develop a Phase 1 Conceptual Plan in order to better understand and determine the extent and impact of the work that will be required. Staff anticipates issuing a CPA to the design team in the month of April. CPA issued to SWSG for concept design. June 2014-Concept drawings are due to FCPA team by July 15, 2014. Team reviewed concept drawings and made recommendations. December 2014-Request For Proposal was sent to SWSG for design and construction drawings and contract administration services. SWSG proposal due mid October. CPA and Notice To Proceed has been issued to SWSG to complete the construction drawings. April 2015-Mt.Vernon is in design phase with completion scheduled for June 2015. South Run is currently in design phase with completion scheduled for June 2015. 07/23/2015 South Run in final stages of 100% design phase. Mt. Vernon in final stages of 100% design phase. 1/11/16 South Run design is complete and drawings are being submitted for permit Mt. Vernon design is continuing. 04/04/16 South Run permit drawings have been approved. Awaiting construction proposal from HITT Contracting, Inc. Mt. Vernon design is on hold until Mt. Vernon RECenter Feasibility study is completed. Mt. Vernon to be scheduled on FY2017 Work Plan as a separate project. Jul 2016 HITT proposal has been submitted and reviewed. Purchase order has been issued and work will start on August 20, 2016. October 2016 HITT is scheduled to be completed by the end of October 2016. 12/13/16 Substantial completion was held in October and punchlist work is ongoing and scheduled for completion in December 2016.												
Countywide	Providence District/Lee District	ADA retrofits	Providence RECenter - retrofit Family Changing Room to meet ADA standards. Lee District RECenter - retrofit Family Changing Room to meet ADA standards	Scope	General Fund	12		Jul-13	Jun-14	Hardee	Nov-13	Mar-15	100%			
				Design	General Fund	6		Jul-14	Jun-15	Hardee	Apr-15	Aug-15	100%			
				Construction	General Fund	12	C	Jul-15	Jun-16	Lynch	Sep-15	Apr-16	100%			G
				Remarks: Request for Proposal was sent to Shaffer, Wilson, Sarver & Gray, PC and is due on January 17, 2014. Revised Request For Proposal was sent to SWSG to develop a Phase 1 Conceptual Plan in order to better understand and determine the extent and impact of the work that will be required. Staff anticipates issuing a CPA to the design team in the month of April. CPA issued to SWSG for concept design. June 2014-Concept drawings are due to FCPA team by July 15, 2014. Team reviewed the concept drawings and made recommendations. Request For Proposal was sent to SWSG for design and construction drawings and contract administration services. SWSG proposal due mid October. CPA and Notice To Proceed has been issued to SWSG to complete the construction drawings. April 2015-SWSG has completed the design and is preparing the permit drawings and specifications for Providence and Lee District. Park Authority Board approved the scope for Providence and Lee District in March 2015 and the project in Providence RECenter is scheduled for construction at the end of August/early September. 07/24/2015 Notice to Proceed and Purchase Order issued for Providence. Purchase Order issued for Lee and Notice to Proceed given on July 20, 2015. 1/11/16 Providence substantial completion inspection is scheduled for 1-12-16. Lee District work is ongoing and scheduled for completion February 2016. 04/04/16 Substantial completion was held and contractor is working on the punchlist. July 2016 punchlist work complete and project is under one year warranty (through April 2017). Last report.												
Countywide	Countywide	Museum and Archeology Collections Facility	Advance site selection options analysis and refine program for museum and archaeology collections facility, offices, education, storage and laboratory facility.	Pre-Scope	?	12	I	Feb-17	Feb-18	TBD	Jul-17					
				Design												
				Construction												
				Remarks: June 2017- Dates and funding will be updated in 3rd quarter to reflect FY2018 Workplan. Funding is provided with the 2016 Bond, in the amount of \$2,320,000. Project team was identified in July, 2017, with kick-off meeting scheduled on August 2, 2017. Last report.												

FY 2017 Work Plan (7/2016 - 6/2017)

Actual

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration				PM	Start Date	End Date	%	Total Project Scope Budget (\$)	Total Project Cost (\$)	Schedule Indicator	
						(in Mos)	Status	Start Date	End Date								
Dranes- ville	Langley Fork	Land Transfer, Master Plan, and Permit Renewal	Work with NPS to concurrently amend master plan and conduct land exchange	Land Acquisition	1998 Bond	13	A	Jan-10	Jan-12	Williams							
				MP		13	A	Jan-10	Jan-12	Hooper							
				Remarks: See project under Planning.													
Dranes- ville	Riverbend	Outdoor Education Shelter	Design, permit and construct a picnic shelter.	Scope	2004 Bond	6		Sep-13	Mar-14	Lynch	Dec-13	Apr-15	100%				
				Design	2004 Bond	9	A	Apr-14	Dec-14	Lynch	May-15		80%			Y	
				Construction	2004 Bond	6		Jan-15	Jun-15	Lynch							
				Remarks: Project kickoff meeting was held in August 2014. Paciulli Simmons and Associates (PSA) has been hired to assist with scoping and prepare a preliminary cost estimate. Concept Plan by PSA will be presented to the project team in February 2015. PAB approved the project scope on April 15. Staff is working with VDOT to investigate patron concerns related to safety along Jeffery Road. Alternate locations for the shelter are under consideration. In accordance with the approved master plan, the project team recommends locating the shelter and additional parking along Potomac Hills Street. The design consultant is preparing conceptual layout plans for the proposed location. Project team has approved the concept and the consultant completed the 50% design submission in March 2017. The consultant is currently preparing the retaining wall design to be incorporated into the 95% set expected June 2017. Dates and funding will be updated in 3rd quarter to reflect FY2018 Workplan. Additional funding sources are being identified.													
Hunter Mill	Frying Pan Park	Drainage and utility improvements	Design drainage improvements to eliminate erosion of the gravel parking lot and lower riding ring and provide electric and water services for trailers parking area	Scope		3		May-16	Jul-16	Li	Jul-16	Sep-16	100%				
				Design		6	A	Jul-17	Dec-17	Li						G	
				Construction	Telecom Fees	6		Jan-18	Jun-18								
				Remarks: Project scope revised to design drainage improvements to eliminate erosion of the gravel parking lot and lower riding ring													
Hunter Mill	Lake Fairfax	ADA Facility Replacements - Bathhouse C and Restroom B		Scope													
				Design		4		Jan-16	May-16	Regotti	Jan-16	May-16	100%				
				Construction		10	A	Jun-16	May-17	Lynch	Jun-16		80%	\$ 1,800,000		G	
				Remarks: June 2016-PAB approved scope in January. The project was bid in May. Notice to Proceed was forwarded to Contractor in June. October 2016: The existing buildings have been demolished; Utility installation and new building construction is underway. December 2016: Site utilities and the building foundations are complete. Masonry construction is underway. Restroom B was turned over to the end-user on June 30, 2017. Bathhouse C continues to be under construction with an anticipated completion end of August 2018.													
Hunter Mill	Old Courthouse Spring Branch SV	Trails: Ashgrove Lane to Westwood Center Drive Design & Permitting Only	750 LF of 10' wide asphalt trail with lights	Scope	FCDOT	4		Apr-16	Jul-16	McFarland	Apr-16	Jun-16	100%				
				Design	FCDOT	21	A	Aug-16	Apr-18	McFarland	Jul-16		50%	\$ 418,000	\$ 151,502	G	
				Construction				TBD	TBD								
				Remarks: Board Approved Scope Item on 6/22/2016. NTP to Rinker Design Associates issued for 8/25. 50% Plans revealed the need for additional RW. FCDOT to lead effort to renegotiate the trail easement with the property owners. Plan development on hold until initial landowner meeting, anticipated for sometime in August 2017.													
Lee	Brookfield	Bicycle Pump Track		Scope	Partner			TBD									
				Design	TBD			TBD									
				Construction	TBD	A		TBD									
				Remarks: Construction permit has been issued on July 22/2016. Project is being managed by Park Operations.													

FY 2017 Work Plan (7/2016 - 6/2017)

Actual

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)					Total Project					
						Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Scope Budget (\$)	Total Project Cost (\$)	Schedule Indicator	
Lee	Jefferson Manor	Restroom and picnic shelter ADA improvements	Re-design of the existing restroom building and picnic shelter to meet current ADA requirements.	Scope	800-C80310	TBD	I	TBD	TBD	TBD						
				Design	800-C80310	TBD		TBD	TBD							
				Construction	800-C80310	TBD		TBD	TBD							
				Remarks: Park Operations to determine whether the restroom is to be demolished. Last Report.												
Lee	Trailside Park	Baseball fields enhancements	Replace dugouts and backstops for 4 baseball fields	Construction	Proffer	3	W/C	Jul-16	Sep-16	Mends-Cole	Jul-16	Sep-16	100%	\$171,200		G
				Remarks: Current funding commitment \$20K from CSLL + anticipated \$20K from Mastentbrook match. Project completed.												
Mason	Providence RECenter	RECenter Site Improvements	Improvements at the Natatorium Exterior Sun Deck/Patio.	Scope	800-C80300	8		Sep-14	Apr-15	Villarrol	Dec-14	Jun-15	100%			
				Design	800-C80300	3		May-15	Jul-15	Villarrol	Jul-15	Mar-16	100%			
				Construction	800-C80300	5	C	Aug-15	Dec-15	Villarrol	Apr-16	Jun-16	100%			G
				Remarks: Project kick off meeting is scheduled for February 2015. Starting design phase. RFP is being issued to Paciulli Simmons for preparing a grading plan. RFP was issued in July pending fee proposal. Consultant is preparing the instruction drawings for a half court basketball facility. Schematic drawings were submitted November 2015. Consultant is working on 95% Construction Drawings which are due by the end of January 2016. An RFP for construction was submitted to Southern Asphalt. Construction to start May 2016. Multipurpose court substantially complete June 16, 2016. Project is in 1-year warranty (through June 16, 2017). Last report.												
Mason	Parklawn Park	Baseball Field upgrade	Regrade the field to eliminate steep drop off, replace dogouts, and existing fencing	Scope			A	Jul-16	TBD	Mends-Cole						
				Design				TBD	TBD	Emory						
				Construction				TBD	TBD	Emory						
				Remarks: 10/10/16-The Washington Nationals have requested consideration of an alternative field: Mason District Field. Last Report												
Providence	Eakin	Park Improvements	Picnic Shelter.	Scope	Grant	4		Jul-16	Oct-16	Rosend	Jul-16	May-17	100%			
				Design	Grant	2	A	Nov-16	Dec-16	Rosend	Dec-16	May-17	100%			
				Construction	Grant	6		Jan-17	Jun-17	Rosend	May-17		5%			G
				Remark: April 2015: Project will start FY16 when funding becomes available. September 2015: The park entrance improvements are on hold per Gayle Hooper. The picnic shelter portion of the project is expected to go forward. Awaiting funding from Park Foundation. April 2016: Park entrance improvements are still on hold. July 2016: It is understood that funding will become available for this project FY17. Shelter project kickoff in August 2016. The project team is reviewing two conceptual layout plans proposed for the shelter. Team has selected preferred concept and has compiled final estimates. Mastentbrook Grant was approved by PAB in March 2017. PAB Scope Item approved in May and construction is expected to start in September 2017												
Providence	Towers Park	Towers Park Metro Trail	530 linear ft. of 10' wide ADA compliant trail and install directional signage.	Scope	FDOT C&I	6		May-14	Nov-14	McFarland	May-14	Nov-14	100%			
				Design	FDOT C&I	13		Dec-14	Dec-15	Emory	Mar-15	Jan-16	100%	\$ 67,100		
				Construction	FDOT C&I	3	C	Jan-16	Mar-16	Emory	Feb-16	Apr-16	100%	\$ 134,400		G
				Remarks: Team Memo issued September 16, 2014. Board Item approved November 12, 2014. RFP Issued to Paciulli Simmons February 2015. CPA approved for Minor Site Plan March 31, 2015. 50% plans were submitted and comments returned in July 2015. Staff is currently coordinating construction access with VDOT prior to the 95% plan submission. 95% plans were submitted and comments returned in November 2015. 1st submission of the Minor Site Plan was submitted to Fairfax County LDS on December 8, 2014. Minor Site Plan Approved by Fairfax County LDS on February 11, 2016. VDOT Land Use Permit was issued on March 18, 2016 and the Fairfax County Land Disturbance Permit was issued on March 21, 2016. A Purchase Order has been executed with Southern Asphalt to complete the work. The site preconstruction meeting was held on April 1, 2016 and construction began on April 4, 2016 and achieved substantial completion on June 20, 2016. The trail is open for public use. Project is in 1-year warranty phase (through June 2017). Last report.												

FY 2017 Work Plan (7/2016 - 6/2017)

Actual

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration					%			Total Project Scope	Total Project Cost	Schedule Indicator
						(in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	Complete	Budget (\$)	Cost (\$)	Indicator
Providence	Scotts Run SV	Scotts Run SV Trail - Magarity to Colchester Meadow	2,500 LF Asphalt Trail w/ two bridges and lighting	Scope	RSTP and CMAQ	18		Jun-13	Apr-15	Cronauer	Jun-13	Apr-15	100%			
				Design	RSTP and CMAQ	37	A	May-15	May-18	Cronauer	May-15		95%	\$ 484,700		G
				Construction	RSTP and CMAQ	10		Jun-18	Oct-19	Cronauer				\$ 1,615,700		
							Remarks: Project is funded with Federal Transportation Grant money through agreement with FDOT that was finalized in April, 2015. RFP for design sent in February 2015 to WR&A. Proposals exceed budget. Negotiations in progress. Notice to Proceed given to WR&A on August 19, 2015. 50% design submitted on December 14, 2015. 50% Design review turned up issues with ADA Compliance. Decision to revise route from Shared-use path to walkway was approved by VDOT on April 5, 2016. 95% Design received on September 23, 2016. Public Hearing held on November 15. 95% design review completed. Environmental Permits in progress. LDS and ROW acquisition in progress.									
Spring- field	Pohick SV	Pohick SV/Burke Lake Road to Liberty Bell Court	5000' new asphalt stream valley trail and (1) prefabricated steel pedestrian bridge.	Scope	TEA Grant	6		Jun-11	Dec-11	McFarland	May-10	Mar-12	100%			
				Design	TEA Grant	15		Jan-12	Apr-13	McFarland	Apr-12	Sep-15	100%	\$ 246,700	\$ 235,600	
				Construction	TEA Grant	18	W/C	May-13	Oct-14	McFarland	Aug-16	May-17	100%	\$ 798,600	\$ 895,500	G
							Remarks: First grant award for \$440,000 received 6/2010. Second grant application submitted on 12/1/2010. Notice of award for second grant for \$395,240 received 6/2011. Project delayed 2 quarters pending grant review and approval. Scope Team meeting and VDOT kickoff meeting held in October. NEPA underway. Phase I Archeological review will be required. Scope completion held pending a public meeting on proposed route. Public Notice for project issued February 2012. Public Meeting scheduled for April 17th. VDOT Agreement Amendment for second grant award executed. Issued Notice to Proceed to Rinker Design under FDOT open ended contract August 2012. 50% design delivered December 2012. Public notice of review issued December 2012. 50% Plans accepted for review by VDOT December 2012. 50% comments returned in 1/13. 95% plans received from consultant and distributed to team and VDOT. VDOT returned comments September 2013. Army Corps (wetlands) and VMRC permits received. Section 106 Archeology review complete/approved by DHR. 95% VDOT/FCPA plan review complete November 2013. Issue of floodplain impact resolved with production of graphics and consultation with Stormwater Planning. 100% plans delivered from consultant in May 2014. Plans distributed to VDOT and project team for review. VDOT review completed August 2014. Minor Site Plan submitted to DPWES 10/31/14. Initial plan review completed March 2015, approximately 3 months late due to DPWES delay. Plans resubmitted July 2015. Plans approved September 2015. VDOT authorization to advertise December 2015.. NLEB issue resolved. Bids opened March 2016. Low bidder rejected for non-responsiveness. Contract awarded to Accubid Construction in June of 2016. Bridge delivered and installed in January 2017. Project substantially completed in June, 2017 and celebrated trail Day on June 3. \$630,000 grant reimburseent submitted to VDOT in June 2017. Final Completion to be certified in July 2017.									
Sully	Poplar Tree Park	Baseball field Improvements	Install batting cages, bullpens, fencing, and maintenance shed	Construction			I	TBD	TBD	Davis						
							Remarks: Partner decided to not fund the project. Last Report.									

Planning & Development Division
(2008 Bond Funded Projects)
 Second Quarter CY 2017

STATUS	
A	Active Project
W/C	Warranty/Closeout Project
I	Inactive Project
C	Project Complete

SCHEDULE INDICATOR	
G	Green - On schedule
Y	Yellow - Schedule delayed by two quarters or more
R	Red - Project stopped

FY 2017 Work Plan (7/2016 - 6/2017)

Actual

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
County-wide	All RECenters	RECenter System-wide Feasibility Study	Study to determine need for renovation/enhancement of RECenters to position for future operations.		2008 Bond	24	A	Apr-16	Mar-18	Villarreal	Jan-16		95%			G
				08 Bond Funding												
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding		Expenditure to Date		Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation
				\$0.00	\$0.00	\$700,000.00										
Total Project Cost						\$700,000.00										
Remarks: Staff is currently reviewing Hughes Group Architects' proposal. CPA was approved on April 25, 2016. HGA and subconsultant Brailsford & Dunlavey (B&D) are working on the facilities and operational assessments and preliminary market analysis. Community engagement started in October with the community interest survey; Focus Groups will be held in October/November 2016. Focus group work is complete. Strategic Asset Value discussions with the BOS is complete. Consultant submitted draft final report in March 2017. Team is reviewing draft and compiling comments. Final report expected September 2017. Final public meeting expected TBD.																

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
County-wide	Various	Mastenbrook Grant			2008 Bond		A	TBD	TBD	TBD						G
				08 Bond Funding												
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding		Expenditure to Date		Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation
				\$0.00	\$485,000.00	\$0.00	\$485,000.00			\$422,086.00		\$0.00	\$422,086.00	87%	\$62,914.00	\$0.00
Total Project Cost						\$485,000.00										
Remarks:																

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
County-wide	Various	Natural and Cultural Resource Protection Projects	TBD	Scope	2008 Bond			TBD	TBD	TBD						
				Design												
				Construction												
				08 Bond Funding												
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding		Expenditure to Date		Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation
				\$0.00	\$970,000.00	\$0.00	\$970,000.00			\$291,240.00		\$377.00	\$291,617.00	30%	\$678,383.00	\$0.00
Total Project Cost						\$970,000.00										
Remarks:																

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
County-wide	Lake Accotink & Burke Lake	Infrastructure Improvements	Repave deteriorating roadway sections	Construction	2008 Bond	6	W/C	Jul-15	Dec-15	Kormos	Jul-15	Jul-16	100%	12		G
				08 Bond Funding												
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding		Expenditure to Date		Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation
				\$0.00	\$0.00	\$500,000.00										
Total Project Cost						\$500,000.00										
Remarks: Paving at Burke Lake has been completed. Paving at Lake Accotink scheduled for May 2016. Lake Accotink Roadway repaving was completed in July 2016. Project is in 1-year warranty phase (through July 2017).																

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
County-wide	Various	Grouped Trails (Listed below in District order)		Scope	2008 Bond		A			TBD						G	
						08 Bond Funding											
						Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation	
						\$0.00	\$970,000.00	\$0.00	\$970,000.00		\$118,244.28	\$0.00	\$118,244.28	12%	\$851,755.72	\$0.00	
Total Project Cost					\$970,000.00		Remarks: Lake Fairfax (\$51,100); Dead Run SV (\$220,000); Pohick SV (\$98,200); Difficult Run SV (\$100,000); Pine Ridge (\$251,000); Chessies Trail (\$249,700)										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Lee	Lee District	Grouped Trails: Chessie's Trail - Family Recreation Area Phase II	Design and construct Chessie's Trail.	Scope	2008 Bond	9		Oct-12	Mar-13	McFarland	Oct-12	May-13	100%	9	0		
						Design	2008 Bond	19	A	Jun-13	Dec-14	McFarland	Jun-13	Sep-16	100%	27	
						Construction	2008 Bond	10		Jan-15	Oct-15	McFarland	Sep-16		80%		Y
						Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation	
				\$391,374.00	\$249,700.00	\$500,242.00	\$1,206,662.00		\$421,458.00	\$702,911.00	\$1,124,369.00	93%	\$82,293.00	-\$65,346.00			
Total Project Cost					\$1,141,316.00		Remarks: Funds transferred from the Island Creek Amberleigh project. Team formation memo sent on 9/25/12. Team meetings held on 1/25/12 and 2/13/13. Application sent for a Land and Water Conservation Fund (LWCF) grant on 1/4/13. Notified in March 2013 by DCR that Chessie's Trail has been conditionally selected to receive a \$260,000 LWCF grant pending NEPA work. PM searching for a Landscape Architecture centered consultant with an existing county contract. Burgess and Niple with LSG Landscape Architects selected for design. B&N/LSG provided proposal. Proposal revised and approved September 2013. NEPA work completed September 2013. Field meeting to review alignment December 2013. Final schematic design delivered September 2014. Staff investigated additional design concepts. Staff executed design contract with GameTime/Cre8Play. CPA with Bowman for engineering executed October 2015. Kickoff meeting on 12/14/15, including Cre8Play. Initial Concepts and 50% plans provided February 2016. Revisions in progress. 95% plans delivered May 2016. 100% plans provided July 2016. Plans approved October 2016. Project out to bid December 2, 2016. Bid opening January 6, 2017. McGee Civil awarded contract February 2017. Construction started on March 6. Grading, stone walls, 1/2 of the sculptures and the bridge installed. Duration 180 days.										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
County-wide	Riverbend	Infrastructure Improvements	Addition of infrastructure to support park facilities.	Construction	2008 Bond	25	A	Jul-16	Jul-18	Lynch	Jul-16		5%			G	
						08 Bond Funding											
						Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation	
				\$0.00	\$235,000.00	\$0.00											
Total Project Cost					\$235,000.00		Remarks: Funds required for construction.										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Dranes- ville	Turner Farm	Observatory - Phase I	Work with the Analemma Society to advance the design of and support for fundraising efforts for the Observatory at Turner Farm. Construction documents for roll-top Observatory. Conceptual design for Education building.	Scope	2004 Bond	23		Jan-06	Dec-07	Nutter	Jun-04	Jan-06	100%	19	1.00			
				Design	2004 Bond	23		Jan-06	Dec-07	Hardee	Jan-06	Jul-15	100%	132	-27.25			
				Construction	2008 Bond	15	W/C	Oct-11	Dec-12	Lynch	Jul-15	Sep-16	100%	15	0.00	G		
				08 Bond Funding														
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
	\$0.00	\$727,500.00	\$360,000.00	\$1,087,500.00														
Total Project Cost					\$1,087,500.00		Remarks: Conceptual design for the entire Observatory Park and complete construction plans and specifications for a small Roll Top Observatory Building (RTOB) underway. Construction plans and specifications for RTOB 95% complete. \$727,500 funding for construction in 2008 Park Bond available in 2012. Site plan submitted for permitting in December 2009. Site Plan conditionally approved except for final Health Department approval of drainfield. Building plans in permitting review. Consultant not performing - staff evaluating contract enforcement options. Building documents submitted to DPWES for permitting on 9/24/12. Meeting with DPWES on 10/16/12 to resolve site permit issues. Site plan approved 4/4/2013. Fire Marshal approval 7/13. Building Plans were submitted to DPWES in September 2013. Consultant revising plans to respond to building review comments. Investigating redesign of roof with consultant to meet budget. Terminated contract with design consultant December 2014. In the process of obtaining a copyright release from the architect of record. Modification to current design is required to decrease building construction costs within available funding. April 2015-CPA for roof re-design was issued for building permit submittal. CFH Onsite sewage disposal system started with 50% completed and will be completed when building is constructed in the fall/winter 2015. September 2015: PAB approved the project scope during the July 22, 2015 meeting. 100% construction drawings were received and will be issued to the contractor. Waterline installation to begin in August (contract package is under review). Building construction to commence in September 2015. 9/15/2015 Waterline extension is complete. Purchase Order is under review for building construction now scheduled for October 2015. 1/11/16 Footing and walls being constructed. Retractable roof design is complete and drawings have been revised for permitting. 04/04/16 Footings, walls, floor slab, pedestal foundations, underground electrical and plumbing have been completed. Roof is scheduled for delivery and installation the week of 05/16/16. July 2016 Roll Top observatory construction is well under way and is scheduled to be substantially completed in July. Roof work is complete, onsite disposal system is nearing completion and the site work is set to start in July/early August. October 2016 Project is substantially complete and contractor is working on punchlist. Grand Opening was held on October 1, 2016. Stormwater bioretention system construction is ongoing and will be completed in the fall of 2016. 12/13/16 Bio swale is complete and waiting for final approval letter from third party inspection consultant. Punchlist work is complete. Working on completion of walkway lights.											
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Dranesville	Clemyjontri Park	Additional Parking	Desing Phase II Parking Lot	Scope	2008 Bond	6		Jul-15	Dec-15	Holsteen	Nov-15	Oct-17	100%	9	1.00			
				Design	2008 Bond	12	A	Jan-16	Dec-16	Holsteen	Oct-16	Jun-17	100%	8	0.00	G		
				Construction														
				08 Bond Funding														
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
	\$0.00	\$0.00	\$100,000.00															
Total Project Cost					\$100,000.00		Remarks: Project design in progress, NTP to Bowman issued on 8/13/16; Design and soils investigation underway. Soils work and 60% design review complete. Design plans to LDS for permitting 6-15-17; Fire Marshal aprvl 6-20-17. Last report. Construction To be reported on the 2016 Bond.											
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Dranesville	Colvin Run Mill	Millrace Renovation	Stabilize slopes and renovate the millrace to prevent further degradation.	Scope	2008 Bond	6		Jul-16	Dec-16	Lynch								
				Design	2008 Bond	3		Jan-17	Mar-17	Lynch	Jun-16	Sep-16	100%	4	-0.25			
				Construction	2008 Bond	5	W/C	Apr-17	Aug-17	Lynch	Oct-16	Feb-17	100%	5	0.00	G		
				08 Bond Funding														
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
	\$0.00	\$0.00	\$600,000.00	\$380,000.00														
Total Project Cost					\$600,000.00		Remarks: Scope Approval September 2016. Estimated to start construction the week of October 17, 2016 with Accubid Concrete. Completion Feb 2017, currently under 1 year warranty. Currently in Warranty Period.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Dranesville	Clarks Crossing	Public Cul-de-sac Parking Lot and Related Improvements	Obtain VDOT acceptance of the right-of-way improvements and bond release.	Street Acceptance	2008 Bond	6		Jul-16	Dec-16	Lynch	Jul-16	Dec-16	100%	6	0.00			
				Bond Release	2008 Bond	6	A	Jan-17	Jun-17	Lynch	Jan-17		50%			G		
					08 Bond Funding													
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
				\$0.00	\$0.00	\$120,000.00												
Total Project Cost					\$120,000.00		Remarks: VDOT Initial Package under review. After approval, the Asbuilt Package will then be submitted.											
Dranesville	G.F.Nike Park	Convert to Synthetic Turf	Scope, design and convert existing rectangular field #7 to synthetic turf.	Scope	2008 Bond	3		Oct-16	Jan-17	Mends Cole	Oct-16	Jan-17	5%	3	0.00			
				Design	2008 Bond	5		Feb-17	Jun-17	Mends Cole	Feb-17	Jun-17	100%	5	0.00			
				Construction		5	A	Jul-17	Nov-17	Mends Cole	Aug-17		10%			G		
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
				\$0.00	\$250,000.00													
Total Project Cost					\$250,000.00		Remarks: Finalize project scope with partners and project team. Plans submitted for LDS Permit 4/5/17. Project delayed for 2 months to reevaluate infill.NTP issued for July 26,2017.											
Hunter Mill	Lake Fairfax	Main Roadway Bridge Replacement	Replace the existing culvert crossing with a flood resistant conspan bridge.	Construction	2008 Bond	7	A	Sep-16	Mar-17	Villarroel	Sep-16	Apr-17	100%			G		
					08 Bond Funding													
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
				\$0.00	\$0.00	\$410,000.00												
				Total Project Cost					\$410,000.00		Remarks: Project is under contract through DPWES (Avon Contractor). Culvert replacement was replaced and reopened to traffic with a temporary surface in March 2017. Final inspection completed by Fairfax County DWPEs and reopened to the public with a temporary asphalt surface. Final paving expected early-August 2017 after completion of DPWES' Stream Restoration project.							
Lee	Historic Huntley	Historic Huntley Site Restoration - Phase II Tenant House	Renovate tenant house for visitor center.	Scope	2012 Bond	6		Jul-14	Dec-14	Duncan	Jul-14	May-15	100%	10	-1			
				Design	2012 Bond	3		Jan-15	Mar-15	Duncan	Jun-15	Mar-16	100%	10	-1.75			
				Construction	2008 Bond	12	W/C	Apr-15	Mar-16	Lynch	Apr-16	Mar-17	100%	10	0.5	G		
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
				\$813,304.00	\$317,315.00	\$0.00	\$1,130,000.00											
Total Project Cost					\$1,130,619.00		Remarks: Scope Team was assembled and the Scope Team Kickoff Meeting has occurred. On November 12, 2014 an RFP was sent to SWSG Consultants for assistance with the project scope and design. On December 16, 2014 a proposal was received and is currently being reviewed by PDD staff. SWSG Consultants have been contracted to assist with project scope, design and construction. April 2015-SWSG and the Project Team led by RMD staff is currently corresponding with VDHR and the Architectural Review Board concerning several critical issues including construction of the garage to store the cart used for accessibility to the historic site. September 2015: The proposed plans went to the July 2015 meeting of the Architectural Review Board (ARB). The ARB essentially approved the proposed rehabilitation plans in July but will formally approve at the September 2015 meeting. The Consultant and staff will provide additional information requested by the ARB including the historical paint analysis requested. The ARB asked for a change in the roof design for the garage and requested additional information regarding the proposed gutters and windows. Staff and SWSG Consultants are preparing the requested information to present to the ARB at the October Meeting. The ARB formally approved the proposed plans in November. The bid drawings have been completed and were submitted for permit January 4, 2016. March 2016: Permit has been approved. Bid drawings are completed and request for proposal has been sent to the general contractor. A Pre-proposal meeting has been scheduled for April 13, 2016. July 2016 HITT proposal has been submitted reviewed and negotiated to reduce the cost proposal. Purchase Order has been sent to the Park Authority Director for signature. Construction is scheduled to start in August 2016. October 2016 Construction is underway. As part of the project RMD performed an archeology excavation once the 1st floor was removed and found some artifacts believed to be from the 1830's to 1850's. Demolition is ongoing. 12/13/16 Work is continuing with floor framing complete, masonry work on the exterior nearing completion, wall framing in progress and the garage addition underway. Currently in Warranty Period.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Lee	Greendale Golf Course	Slope Stabilization	Evaluate slope stability and design stabilization measures	Scope	Bond Premium	7		Jun-16	Dec-16	Govender	Oct-16	Jan-17	100%	3	1	
				Design	Bond Premium	3	A	Jan-17	Mar-17	Govender	Jan-17		80%			G
				Construction	Bond Premium			TBD	TBD	Govender						
					08 Bond Funding											
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding			Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation
					\$300,000.00	\$0.00	\$300,000.00				\$10,720.00	\$7,313.18	\$18,033.18			
Total Project Cost					\$300,000.00		Remarks: ECS Consulting provided analysis and construction recommendations. Evaluating alternative solutions in progress.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Springfield	Burke Lake & Golf Course	Burke Lake Golf Course - Club House Replacement	Phase 1 - Develop an overall Conceptual Plan for replacing the club house and expanding the driving range. Design and construct a new 5500 square foot club house and related amenities.	Scope	2008 Bond	9		Apr-15	Dec-15	Inman	Apr-15	Jan-16	100%	10	-0.25	
				Design		18		Jan-16	Jun-17	Inman	Jan-16	Apr-16	100%	4	3.5	
				Construction		18	A	Jul-17	Dec-18	Garris	Apr-16		55%			G
					08 Bond Funding											
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding			Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation
				\$0.00	\$2,910,000.00	\$0.00	\$2,910,000.00				\$93,378.00	\$327,346.00	\$420,724.00	14%	\$2,489,276.00	\$0.00
Total Project Cost					\$2,910,000.00		Remarks: June 2011 - Anticipate project start up in fall. September 2011 - Project team assembly underway. January 2012 - RFP issued to design consultant. March 2012 - Initial site concept plan presented. June 2012 - Concept Design Package completed. September 2012 - Project on hold pending evaluation of unsolicited PPEA. December 2012 - Project on hold pending review of re-submitted unsolicited PPEA. Mar 2013 - project continues to be reviewed by the PPEA Team. PPEA proposal has been deemed to meet the County criteria. PPEA project has been publicly advertised by the County. Discussions with proposer are on-going. June 2013 - PPEA team awaits proposal by the PPEA proposer. Several meetings have occurred to discuss the project and proposers needs for them to generate detailed proposal. Expect detailed proposal by February 1, 2014. March 2014 - Detailed proposal received and initial review comments were generated. Comments to be shared with proposer. June 2014 - Proposer addressing comments. FCPA awaits response from proposer. September 2014 - Proposer is addressing FCPA's comments. FCPA awaits response from proposer. Deadline for the complete submission was set for October 20th. December 2014 - Proposer is addressing FCPA's comments. FCPA awaits response from proposer. Deadline for the complete submission is set for January 15th 2015. March 2015 - PPEA declined. Design RFP issued for continuation of Concept design to permit. June 2015 - Consultant under contract. Schematic design started. Citizen meeting to be in early September. September 2015 - Site design underway. Building design started. The citizen meeting was held. There was a large amount of support for the project. Schematic design to be completed in October. December 2015 - SD set submitted. Scope item submitted for January. DD set in process to be complete in January. Site utilities meeting ongoing; IT meetings to start in January; Citizen mtg. in February. March 2016 - Burke Lake Sanitary Sewer Outfall out to bid with a planned bid opening on April 6, 2016. Golf Course Expansion permit drawings submitted and in review. 95% CD/Bid documents developed for Mid-April advertisement for bid. June 2016 - Bid Opening on June 14, 2016. The lowest bid received of seven bids exceeded project budget. Staff is negotiating reduction/revisions to project scope elements. Funding approved and Construction Contract awarded July 2016. Sept 2016 - NTP issued July 28, 2016 for Phase 1.1. ADI Construction mobilizing and installing 32 space parking lot stormwater feature as part of Phase 1.1 construction. NTP issued on October 4, 2016 for Phase 1.2/2. Dec 2016 - ADI Construction completed Phase 1.1 Parking Lot Addition on schedule. Phase 1.2/2 NTP was issued on Oct 4, 2016 as scheduled. Footing and foundation for both the driving range and clubhouse is approx. 95% complete. Foundation walls for the clubhouse are underway. Structural steel for the driving range arrived on December 16, 2016. June 2017 - Club house exterior walls up and structure under roof. Interior framing underway. Plumbing/HVAC and Electrical installation underway. Rough graded for Stage 2 including rough grade and turnover of the two tee boxes to Golf Maintenance. See Phase 1.2 Driving Range update in 2012 Bond Funded Projects.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Springfield	Twin Lake Golf Course	Bunker Rehabilitation	Renovate Existing Bunkers with better Billy Bunder System	Scope	Bond Premium	3		Jul-16	Sep-16	Bahrami	Jun-16	Apr-17	100%			
				Design				Aug-16	May-17	Emory	Jan-17	May-17	100%			
				Construction			A	Jun-17	Nov-17	Davis	Jun-17		5%			G
					08 Bond Funding											
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding			Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation
				\$0.00	\$400,000.00	\$0.00		\$807,500.00								
Total Project Cost					\$400,000.00		Remarks: Project Scope was modified per Golf Enterprise. The consultant completed the design in May 2017. PAB scope item approved April 2017 with \$407,500 in additional funding for a total project budget of \$807,500. Bids opened in June 2017 and contract awarded to Landscapes Unlimited of Lincoln, NE. Construction scheduled to start August 1, 2017.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Sully	Sully Woodlands	Conceptual Design for Stewardship Education Center	Conceptual design for stewardship education center.	Scope	2008 Bond	13	A	Feb-16	Feb-17	Inman	Feb-16		20%			Y
				Design	2008 Bond											
					08 Bond Funding											
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
				\$0.00	\$291,000.00	(\$100,000.00)										
			Total Project Cost			\$191,000.00										
<p>Remarks: September 2012-Project Kickoff meeting scheduled 10/23/2012. December 2012 - Project team has met several times to determine self-sustaining program budget. RMD currently developing programming for three probable sites to include operational budget for each scenario for team review in late January 2013. Mar 2013 - Project Team working on financial self-sustaining programming analysis. June 2013 - Team writing and preparing initial feasibility study report summarizing initial findings. September 2013 - RMD staff is exploring alternative design solutions based on operational budget constraints. December 2013 - RMD staff is exploring alternative design solutions based on operational budget constraints. March 2014 - Meetings with Hal Strickland and the director's office were held and it was determined that SEC was to encompass a working lab. FCPA RMD staff confirmed that currently there is no funding available to cover the operating costs of running the facility. FCPA will reach out to the public to seek possible partnership opportunities for operating the Stewardship Education Center. Staff will engage a design team thru an RFP to assist with the community outreach and partnership solicitation process in order to better define the SEC program. June 2014 - A/E RFQ solicitation was issued. RFQ packages due in August. September 2014 - RFQ packages received and are being evaluated by the Selection Advisory Committee. December 2014 - Based on the proposal submissions and oral interviews, Selection Advisory Committee has made their recommendation and the notification letter has been issued to the highest ranking consultant team. FCPA awaits the financial package. The RFP has been drafted and will be issued end of January 2015. March 2015 - Financial package received and rates negotiated to meet county requirements. Proposal received and is currently being reviewed/negotiated. June 2015 - GWWO declined to continue negotiations due to standard agreement language. Quinn Evans Architects submitted and approved financials and standard agreement language. RFP has been issued and is currently in negotiations. September 2015 - Proposal received and negotiated. Contract package currently being completed for approval. December 2015 - Contract package approved. Kickoff meeting scheduled end of January 2016. March 2016 - Kickoff meeting held. Project team evaluating and defining services and experiences that the SEC will contain. Partnership outreach to follow. Site selection: E. C. Lawrence. Schedule will be updated based on the coordination with Master Plan process. June 2016 - Masterplan public meeting was held in June. Team compiled potential partners list and finalized outreach preparation efforts. Potential partner outreach to begin in August. September 2016 - Potential partners contacted and invited to Potential PartnerPublic Outreach Charrette in mid-September. Big turnout and ideas shared. Team to continue conversation to develop relationships and start space programming phase. December 2016 - The partnership outreach has not produced any major partners but many smaller partnership opportunities. The team prepared a space program based on ECL staff moving to this facility and allowing for sharing meeting/classroom space with various little organizations for various class/program use. The A/E team has refined the program and has started the financial analysis of the current program. March 2017 - A draft of the Final Phase I Report was received and is in review by the team.; Includes partner outreach, programing, and financial analysis. June 2017 - Team met to reduce scope of project to align better with the bond funding and projected revenues. Revised scope to be more of an "Outdoor Learning" facility with covered and sheltered but not "conditioned" space. Large subdividable space rather than museum-like space. The Admin. space removed from scope and smaller "conditioned" core space provided for bathrooms, kitchenette, orienting space. Met with Directors team for acceptance of new direction. A/E RFP being generated for adjusted scope from SD to CA.</p>																
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Sully	Sully Woodlands	Natural and Cultural Resource Studies		CDP	2008 Bond	24	A	Apr-10	Mar-12	Dorlester/RMD	Dec-11	Mar-15	100%	39	-3.75	G
				2232	2008 Bond	9		Mar-12	Dec-12	Dorlester/RMD						
					08 Bond Funding											
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
				\$0.00	\$970,000.00	(\$299,650.00)										
			Total Project Cost			\$670,350.00										
			Active Projects - Subtotal			\$9,545,815.00										
<p>Remarks: Studies underway by RMD. CDPs site analysis and team site visits underway. CDPs approved by PAB March 2015.</p>																

2008 Bond Funding - Future Year Projects

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Mt. Vernon	Laurel Hill	Sports Complex	Determine Feasibility for developing sports field complex considering use of private venture. Facilities respond to Need Assessment. Phase I development on Youth Detention Site. Concurrently draft and approve SE, 2232. Subphase I development for demolition and construction.	Land Acquisition															
				Planning															
				2232/SE															
				Scope															
				Design															
				Construction															
					08 Bond Funding														
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
				\$0.00	\$1,940,000.00	\$0.00									\$1,940,000.00				
Total Project Cost					\$1,940,000.00		Remarks:												

Future Year Projects - Subtotal **\$1,940,000.00**

2008 Bond Funding Completed Projects

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Braddock	Kings Park Park	Park Improvements	General Park Improvements	MP	General Fund	9		Apr-08	Jan-09	Dorlester			100%			
				2232		6		Mar-09	Sep-09	Galusha			100%			
				Scope	2008 Bond	3		Ocr-09	Dec-09	Vu	Oct-09	Feb-10	100%	5	-0.5	
				Design		6		Jan-10	Jun-10	Vu	Jan-10	Feb-10	100%	2	1.00	
				Construction		6	C	Jul-10	Dec-10	Garris	Mar-10	Sep-10	100%	7	-0.25	
									08 Bond Funding							
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
				\$101,600.00	\$97,000.00	\$0.00	\$198,600.00		\$177,765.50	\$0.00	\$177,765.50	90%	\$20,834.50	\$0.00		
Total Project Cost					\$198,600.00		Remarks: July 2009 - Project Team formation to move forward third quarter. Sept - 2009 Project Team assembled. In-house topo created and survey of tree size and location plotted. Conceptual layout plan developed for a phased project. Next step is to meet with community for scope consensus. January 2010 - Met with HOA and Supervisor Cook on Dec.18, 2010. Gained consensus for the playground layout, trails and ADA parking lot improvements. Anticipate seeking PAB Scope Approval Feb. 2010. Mar 2010 - Scope approved by PAB. Proposals were solicited from two county open end contracts (playground & asphalt pavement/grading). Purchase Orders approved and work scheduled to begin in mid April. June 2010 - Playground equipment installation and associated trail and parking lot improvements completed June. Remaining trail work in the park scheduled to be completed in August. Sept 2010- Completed trail loop and associated site restoration. December 2010 - Project in the 1 yr. warranty phase. Final report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Braddock	Ossian Hall	Phase II Revitalization	Renovate and expand the parking lot and trail system, relocate the multi-use courts and playground, construct a community plaza area and LID stormwater management facilities.	Scope	2008 Bond	6		Jan-09	Jun-09	Vu	Jan-09	Jul-09	100%	7	-0.25			
				Design		3		Jul-09	Sep-09	Vu	Mar-09	Sep-09	100%	7	-1.00			
				Construction		15	C	Oct-09	Dec-10	Garris	Oct-09	Nov-10	100%	13	0.50			
									08 Bond Funding									
								Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation
				\$49,000.00	\$2,813,000.00	(\$327,000.00)	\$2,813,000.00	\$2,535,000.00	\$2,451,634.00	\$56,749.00	\$2,508,383.00	89%	\$26,617.00	\$0.00				
Total Project Cost					\$2,535,000.00		Remarks: Staff reviewed the infiltration trench performance and a contract was executed to connect athletic field outfall piping to storm sewer and replace bio-filtration material. September 2012 - Staff executed a contract for remedial work on the infiltration trench. Remedial work for infiltration trench has been complete except for replacing plant material which will be scheduled during the fall planting season. This is the last report for Ossian Hall.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Braddock	Ossian Hall	Phase III - Install Synthetic Turf on Rectangle Field	Scope, design, permit and install synthetic turf on rectangle field.	Scope	2008 Bond	3		Jan-10	Mar-10	Vu	Jan-10	Apr-10	100%	3	0.00	
				Design	2008 Bond	2		Apr-10	May-10	Brunner	Apr-10	Jun-10	100%	3	-0.25	
				Construction	2008 Bond	13	C	Jun-10	Jun-11	Garris	Jul-10	Nov-10	100%	5	2	
				Other Funding(s)	08 Bond Funding											
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
					\$0.00										\$0.00	
Total Project Cost					\$0.00											
Remarks: Installation of synthetic turf field was issued as Change Order #5 to the Ossian Hall Park Phase II Improvements. Conversion of field is underway and anticipated to be complete November 2010. December 2010 - Substantial Completion Inspection conducted in Nov. 2010 followed by Ribbon cutting. Project in 1 yr. warranty phase. Dec. 2011 1 Yr. Warranty Inspection Conducted. The is the last report.																

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Braddock	Wakefield	Athletic Field Lighting Replacement	Scope, design, and install replacement athletic field lighting for synthetic turf field #5	Scope	2008 Bond	2		Apr-11	May-11	Li	Apr-11	May-11	100%	2	0	
				Design	2008 Bond	3		Jun-11	Aug-11	Li	Jun-11	Aug-11	100%	3	0	
				Construction	2008 Bond	6	C	Sep-11	Feb-12	Li	Sep-11	Mar-12	100%	5	0.25	
				Other Funding(s)	08 Bond Funding											
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
					\$0.00	\$0.00	\$203,488.00	\$203,488.00	\$180,492.00	\$4,939.00	\$185,431.00	91%	\$18,057.00	\$0.00		
Total Project Cost					\$203,488.00											
Remarks: PAB Scope approved May 2011. Sept. 2011 - Contract Award approved by PAB October 2011. Anticipate NTP Nov. 2011. Dec. 2011 NTP was issued mid Nov. Project in the construction phase with anticipated completion by early Feb. 2012. March 2012 - SCI was held in March. Punchlist work underway. June 2012 - Punchlist work complete. Project in 1 yr. warranty period. March 2013 - Warranty is ok. Last Report																

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Braddock	Wakefield	Skate Park Expansion	Scope, design and construct an expansion of the skate park.	Scope	2008 Bond	6		Jul-11	Dec-11	Fruehauf	Jun-11	Oct-11	100%	5	0.25	
				Design	2008 Bond	6		Jan-12	Jun-12	Fruehauf	Nov-11	Mar-12	100%	5	0.25	
				Construction	2008 Bond	6	C	Jul-12	Dec-12	Fruehauf	Apr-12	Aug-12	100%	5	0.25	
				Other Funding(s)	08 Bond Funding											
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
					\$0.00	\$388,000.00	\$0.00	\$388,000.00	\$346,914.00	\$0.00	\$346,914.00	89%	\$41,086.00	\$0.00		
Total Project Cost					\$388,000.00											
Remarks: Staff issued a Request for Proposal to GameTime / Spohn Ranch Skate Parks to provide design and installation services under the U.S. Communities contract with Fairfax County. Park Authority sponsored a design forum with Spohn Ranch Skate Parks to enlist the ideas of the skate and bike community. The site plan has been approved. Skate park design is complete. Staff has requested a cost proposal from GameTime for the concrete portion of the skatepark. Staff has requested a cost proposal from Southern Asphalt Co. Inc. to complete the demolition, site grading and utility installation. Groundbreaking is scheduled for April 14, 2012. Construction is scheduled to start within 30 days of groundbreaking. Skate park contractor has completed work on the concrete features. Site contractor has completed installation of the flat concrete, shade structure and drainage system. Project reached substantial completion in August 2012. Project is in warranty phase. Ribbon cutting ceremony was held September 2012. Staff is working with MUSCO Sports Lighting LLC to install lights at the skate park. Due to the redevelopment of Lewinsville Park's synthetic turf field, the existing lights were going to be demolished. Instead they will be re-installed at Wakefield Park on new poles. A Purchase Order has been issued to complete the work during summer 2013. Installation of the lights was completed September 2013 and are operational. Last report.																

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Braddock	Woodson HS	Synthetic Turf and Lighting at HS Practice Field	Participate in Partnership to install synthetic turf and lighting at Woodson HS practice rectangular field	Construction	2008 Bond	3	C	Jun-13	Aug-13	Garris	Jun-13	Aug-13	100%	3	0.00		
				Other Funding(s)	08 Bond Funding												
								Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation
								\$0.00	\$0.00	\$180,512.00	\$180,512.00	\$130,512.00	\$0.00				\$0.00
Total Project Cost					\$180,512.00												
Remarks: Park Authority Board approved partial funding in the amount of \$180,512 in May 2013 to contribute towards lighting the practice field as part of the Partnership to turf and light the practice field at Woodson HS. Project completed by FCPS in August 2013. Last Report.																	

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
County-wide	Various	Needs Assessment	Conduct Needs Assessment process to collect and analyze data on park and recreation needs and create a 10-year Capital Improvement Plan.		2008 Bond	17	C	Nov-11	Dec-13	Stallman/Bentley	Nov-11	Apr-16	100%	66	-12.25	
				08 Bond Funding												
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost		Revised Funding		Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation
				\$0.00	\$0.00	\$300,000.00	\$300,000.00						\$0.00	0%	\$300,000.00	\$0.00
Total Project Cost						\$300,000.00	Remarks: Public Outreach Phase completed. Draft survey 90% complete to be conducted in mid-Feb. 2015. Crowdsourcing site has engaged 586 unique users, 1,774 votes and 50 topics; 7 meetings in a box completed and submitted. RECenter Building Assessments conducted. Last report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
County-wide	Various	Land Purchases			2008 Bond		C	Jul-08	Jun-14	Williams	Jul-08					
				08 Bond Funding												
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost		Revised Funding		Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation
				\$0.00	\$14,385,400.00		\$14,385,400.00				\$14,385,400.00	\$0.00	\$14,385,400.00	100%	\$0.00	\$0.00
Total Project Cost						\$14,385,400.00	Remarks: Acquisition of Islamic Foundation Property, Birge Fadoul Property, Turner Farm House, Roysdon Property, Taneja Property, Sappington Property, Enyedi Property, BOS Land Transfer, Ruckstuhl Property, Rabbit Branch Park (formerly Kings West Swim Club), Lincoln Lewis Vannoy Property, McPherson Property, Ingleside, Hwary, Willow Springs, Zamin LLC, Buckley, Byrd and Roat. Last report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
County-wide	Huntley Meadows Park	Wetlands Restoration	Scope, design and construct a structural feature for retaining and controlling the water level in the wetlands.	Scope	2008 Bond	9		Jul-11	Mar-12	Fruehauf	Jul-11	Nov-12	100%	16	-1.75		
				Design	2008 Bond	18		Apr-12	Sep-13	Fruehauf	Apr-12	Dec-12	100%	8	2.50		
				Construction	2008 Bond	12	C	Oct-13	Sep-14	Lynch	Jan-13	Dec-13	100%	8	1.00		
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost		Revised Funding		Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation	
				\$404,800.00	\$2,580,200.00	\$0.00	\$2,985,000.00				\$146,721.00	\$339,777.00	\$486,498.00	16%	\$2,498,502.00	\$0.00	
Total Project Cost						\$2,985,000.00	Remarks: The Selection Advisory Committee has completed contract negotiations with the highest rated firm. An RFP was issued on October 12, 2011. A fee proposal was received from the consultant and has been determined acceptable. A contract award was presented to the Park Authority Board for approval in January 2012. Contract was awarded to WSSI on 01/25/12. The kick-off meeting was held on 03/02/12. WSSI has determined that the topographic information is inadequate to complete their analysis and design and submitted a fee proposal to obtain additional information. All topographic surveying has been completed. WSSI presented 2 conceptual plans for review. Following review of the concept plans, it was determined that using a vinyl sheet pile in lieu of the concrete water control structure will reduce the project cost and be easier to construct. WSSI and Park Authority staff met with DCR and Army COE to resolve federal and state permitting issues. All issues were resolved and the permitting process will proceed as scheduled. Additional geotechnical investigation was performed in order to finalize the water control structure design. WSSI provided a revised cost estimate and schedule with the design development plans. WSSI completed Design Development plans on October 5 2012. Scope Item was approved in November 2012. Permit Plans are scheduled to be complete in late January 2013. Project is being prepared for a January 2013 bid. Project was awarded to Fort Myer Construction. Onsite Construction started April 17, 2013 to be Substantial Complete by December 2013. Project was awarded to Fort Myer Construction(FMCC). Onsite Construction started April 17, 2013. Substantial Completion is scheduled for December 9, 2013. Project reached substantial completion in December 2013. The Substantial Completion Inspection will be performed in January 2014. Project complete. Grand Opening Ceremony scheduled for May 10, 2014. Project is in the 1-year warranty period. Warranty inspection will be conducted in November 2014. Final report.										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
County-wide	Various	Demolition of Rental Houses	Demolition of prior residential rental houses and accessory structures. Permit and demolish the Tolson and Roysdon Property.	Construction	2008 Bond	12	C	Jul-13	Jul-14	Regotti	Jul-13	Sep-15	100%	39	-6.75	
				08 Bond Funding												
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
				\$0.00	\$0.00	\$225,037.00										\$225,037.00
Total Project Cost				\$225,037.00		<p>Remarks: Tolson Property: Project using remaining funds from Packard Center project. An asbestos containing material and lead-based paint survey has been performed. The heating oil tank in the basement has been removed. The RFP has been issued for the Demolition Contract. Proposals were received from the three bidders listed on the DPSM job order contract. The bids were evaluated and Hitt Contracting was the apparent low bidder; however, their proposal exceeded the approved budgeted amount. PMB is evaluating the costs associated with competitively bidding the project or using the job order contract approach to accomplish this work. The scope of the demolition RFP is being revised to remove the site permitting and to allow for Park Operations to perform some of the minor site work to reduce cost of the project. This work is to begin in July 2014. The revised demolition RFP will only include the demolition of the single family residence. A separate RFP is being prepared for the site permitting portion of the project. June 2014 - A proposal has been received for the site permitting, Procurement paperwork for the site permitting and the asbestos abatement is underway. Sept 2014 - The original scope of the demolition RFP has been reduced to only address the main residence demolition. Park Operations has performed some minor demolition and site clean-up work that was eliminated from the contractor's scope of work. A revised construction RFP has been prepared for rebidding the demolition scope of work and it will be forwarded to prospective contractors in October/November timeframe. December 2014 - Staff met onsite with the design team to engineer the Rough Grading Plan. An RFP was issued to the design team. A proposal has been received and the approval process for procuring the design services is under way. Roysdon Property: staff drafted the demolition scope of work document and will be meeting onsite with the design team to engineer Rough Grading plan. The bidding and permitting of this project will be combined with the Tolson Residence project. December 2014 - This demolition has been put ON HOLD. Key House: December 2014 - Staff met onsite with the design team to engineer the Rough Grading Plan. An RFP was issued to the design team. A proposal has been received and the approval process for procuring the design services is under way. An RFP for an asbestos and lead base paint survey was issued to a testing and inspection consultant. A proposal has been received and the approval process for procuring the testing and inspection services is under way. April 2015: scope item has been presented during PAB committee meeting. Heating oil tank has been removed from property. NTP for asbestos abatement and abatement air monitoring has been issued. Abatement is scheduled for last week of April 2015. Demolition was completed in May 2015. Tolson House: September 2015: PAB scope item was approved at the July 22, 2015 meeting. Purchase Order for house demolition was approved in August 2015. Demolition is scheduled to be completed in September 2015. Permitting is complete. The demolition contract was awarded to HITT Contracting, Inc. Demolition is currently underway. Residence has been demolished and the debris is being hauled away. Backfilling the basement excavation and site restoration is anticipated to be completed by end of September 2015. December 2015: Demolition was completed in end of September 2015. Last report.</p>										
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
County-wide	Various	Demolition of Houses and Accessory Structures	Permit and demolish houses and accessory structures on the Ruckstuhl, Martin, and Birge properties.	Design	2008 Bond	6		Apr-12	Sep-12	Emory	Mar-12	Aug-12	100%	6	0.00	
				Construction	2008 Bond	7	C	Oct-12	Apr-13	Emory	Aug-12	Feb-13	100%	7	0.00	
				08 Bond Funding												
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
				\$0.00	\$0.00	\$490,000.00	\$425,000.00		\$ 423,536.00							\$65,000.00
Total Project Cost				\$490,000.00		<p>Remarks: SWSG was hired to complete a rough grading plan for the Ruckstuhl Property. Also due to the conservation easement that encompasses the site, a tree preservation plan was developed that will guide the contractor in demolition of the various properties. The plans were approved by Fairfax County. All utility companies have provided "all clear" notification or they have removed their utilities from the site, including, water, sewer, electric, and telephone service. The project was advertised for bid for demolition of the three houses, in-ground swimming pool, various outbuildings, all pavement. J Roberts was the successful bidder. Prior to demolition the three properties needed to be cleared of asbestos materials, including roof, siding, pipe insulation and flooring. In addition, three wells and septic systems had to be abandoned/removed in accordance with Health Dept standards. The Fairfax County Fire Department was granted permission to use the three houses for enclosed space rescue practice. The main Ruckstuhl residence has been demolished. The second property has been demolished. The entire site has been seeded with a native flower seed mix. Erosion and sediment controls have been left in place until the site is stabilized. Substantial completion was approved in November 2012. Will wait until spring 2013 to inspect for grow-in of seed mixtures. The site stabilization has been approved by the County and the minor site plan has been closed out by DPWES. The Birge Property was bid for demolition of the house and stand-alone garage in July 2012. J Roberts was the successful bidder. Preparation and submittal of the Rough Grading Plan and Demolition Permit requirements were included as part of the bid. Asbestos and lead paint removal was included as part of this contract's scope of work. All utilities have been disconnected and removed. The Fairfax County Police Department was granted permission to use the property for their tactical unit practice. The Rough Grading Plan was approved in December 2012. A pre-construction meeting will be held in January 2013. Demolition is anticipated to begin in January 7, 2013. Demolition was completed and substantial completion approved in February 2013. Will wait until spring 2013 to inspect for grow-in of seed mixtures. The site stabilization has been approved by the County and the minor site plan has been closed out by DPWES. The Martin Property was bid for demolition of the house in June 2012. Cresco Inc. was the successful bidder. Preparation and submittal of the Rough Grading Plan and Demolition Permit requirements were included as part of the bid. Asbestos and lead paint removal was completed under a separate contract. All utilities have been disconnected and removed. Demolition is anticipated to begin in October 2012. The Fairfax County Fire Department was granted permission to use the three houses for enclosed space rescue practice. Approval of the Rough Grading Plan is anticipated in October 2012. Demolition is anticipated to begin in October 2012. Demolition work was completed in December 2012.</p>										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
County-wide	Various	Grouped Athletic Field Lighting	Install athletic field lighting on up to four rectangular fields not-to-exceed \$800,000.	Scope	2006/2008 Bond	4		May-12	Aug-12	Li	Apr-12	Jun-13	100%	16	-3.00	
				Design		4		Sep-12	Dec-12	Li	Apr-12	Jun-13	100%	16	-3.00	
				Construction		4	C	Jan-13	Apr-13	Li	Aug-12	Oct-13	100%	15	-2.75	
				08 Bond Funding												
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
				\$0.00	\$0.00	\$800,000.00	\$800,000.00								\$0.00	
Total Project Cost					\$800,000.00		Remarks: September 2012 - Scope and design phase completed for Great Falls Nike #4 and EC Lawrence #3. Project was bid and contract awarded with issuance of NTP in August 2012. December 2012 - Athletic field lighting for both Great Falls Nike Field #4 and ECL Field #3 are complete. Notice to Proceed with the installation of lighting on field #4 at South Run Park issued in July 2013. The substantial completion for South Run was held on 10/3/13. Warranty Phase is complete. Last Report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Dranes- ville	Colvin Run Mill	Visitor Center Addition Renovation	Prepare Concept Plan for Visitor Center Addition - Renovation	Scope	2008 Bond	18	C	Jul-09	Dec-10	Villaruel	Jul-09	Jan-12	100%	31	-3.25		
				08 Bond Funding													
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation			
				\$0.00	\$97,000.00	\$0.00	\$97,000.00		\$96,509.00	\$0.00	\$96,509.00	99%	\$491.00	\$0.00			
Total Project Cost					\$97,000.00		Remarks: The project team made a presentation to the Architectural Review Board on November 10, 2011 and received initial comments on the concept plan. Resource Management Division has been tasked with allocating funds in order to proceed with archaeological investigation of the site. The consultant made a final presentation of the concept plan to the project team. The consultant has provided their final report dated January 6, 2012. Final Report.										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Dranes- ville	Dead Run SV	Grouped Trails: Churchill to ROW near Ingleside Ave.	1150 LF asphalt.	Scope	2008 Bond	4		Jan-12	Apr-12	Boston	Nov-11	Jan-12	100%	3	0.25	
				Land Acquisition	2008 Bond	4		Sep-11	Dec-11	N/A						
				Design	2008 Bond	3		May-12	Jul-12	Boston	Feb-12	Dec-12	100%	11	-2	
				Construction	2008 Bond	5	C	Aug-12	Dec-12	Boston	Dec-12	May-13	100%	5	0	
				08 Bond Funding												
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
				\$0.00	\$220,000.00	\$0.00	\$220,000.00		\$220,000.00		\$220,000.00	100%	\$0.00	\$0.00		
Total Project Cost					\$220,000.00		Remarks: Project scope redefined as 1,150 LF asphalt trail. Project Team kickoff meeting held Nov. 16,2011. Scope approval expected January 2013, revised project cost for PAB approval is \$220,000. PAB approved project scope January 25, 2012. Design Contract Awarded to Burgess & Niple, Inc. February 2012. Multi-agency team met in field March 2012 to consider design options. DPWES denied moving project forward as Minor Site Plan June 2012. PI plans submitted to DPWES June 11, 2012 and Easement Plat submitted to DPWES June 15th, 2012. Plans returned late from DPWES in early Oct. 2nd Submission PI plans submitted to DPWES October 5, 2012. Site Permit and Plan Approval received December 26, 2012. Anticipated VDOT land use permit in mid-January 2013 will complete Design Phase. Revised proposal for construction services received from Finley Asphalt January 7, 2013. Finley Asphalt to be selected and PO to be issued in January 2013. Project is currently under construction, estimated completion by end of April 2013. Project completed May 2013.									

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Dranes- ville	Difficult Run SV	Grouped Trails: CCT Georgetown Pike to Old Dominion Dr. Phase 2 (south of Old Dominion)	Stabilize 2000' eroded area along Difficult Run SV.	Land Acquisition	2008 Bond	12		Aug-10	Jul-11	Williams									
				Scope	2008 Bond	12		Aug-10	Jul-11	McFarland	Nov-12	Mar-13	100%	5	1.75				
				Design	2008 Bond	9		Aug-11	Apr-12	McFarland	Apr-13	Dec-14	100%	20	-2.75				
				Construction	2008 Bond & Insurance Funds	10	C	May-12	Feb-13	McFarland	Jan-15	May-15	100%	5	1.25				
				08 Bond Funding															
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
	\$73,030.00	\$100,000.00	\$0.00	\$173,030.00		\$173,030.00	\$173,030.00	100%	\$0.00	\$0.00									
Total Project Cost					\$173,030.00		Remarks: Design for erosion repair and Erosion and Sediment Controls completed in house March 2013. Estimate obtained from contractor. Requested permission from DC Water to complete work within their sanitary sewer easement March 2013. DC Water requested pre and post condition CCTV survey of pipe sections. Staff contacted 3 CCTV survey providers. All declined to do the work due to access issues. DC Water agreed to allow staff to design a pipe crossing in lieu of CCTV survey for inaccessible sections. Staff contacted Burgess and Niple for proposal for CCTV survey and pipe crossing design. Proposal accepted and CPA issued September 2013. Delay in due to technical issues and weather delayed CCTV survey. Survey Completed in March 2014. Provided CCTV survey and structural utility crossing design to DC Water in April 2014. DC Water completed initial review and provided comments in July 2014. Second CPA with Burgess and Niple required for additional design. DC Water provided direction to proceed with the project. Negotiating a cost proposal to complete the work. Purchase Order approved. Contractor mobilized on site. Construction Complete May 2015. Last report.												
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Dranes- ville	Great Falls Nike	Installation of Synthetic Turf Field in Partnership with Great Falls Lacrosse	Scope, design, and construct synthetic turf rectangular field #4.	Scope	2008 Bond/ Partnership	2		May-12	Jun-12	Mends-Cole	May-12	Jul-12	100%	3	-0.25				
				Design	2008 Bond/ Partnership	2		Jul-12	Aug-12	Mends-Cole	May-12	Aug-12	100%	4	-0.50				
				Construction	2008 Bond/ Partnership	4	C	Sep-12	Dec-12	Guzman	Aug-12	Nov-12	100%	4	0.00				
				08 Bond Funding															
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
	\$575,000.00	\$0.00	\$250,000.00	\$825,000.00		\$ 4,387.00	\$ 58,454.00	\$ 62,841.00	8%	\$762,159.00	\$0.00								
Total Project Cost					\$825,000.00		Remarks: September 2012 - Scope and design phases were completed. Bidding and contract award with NTP issued in August 2012. Project in the construction phase. Dec 2012 - Construction has been completed and small punch list remains. Project is under warranty. One year warranty inspection to be performed in November 2013. Last report.												
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Dranes- ville	Great Falls Nike	Infrastructure Completion	SWM facility, trails, transitional landscaping screening and streetlights.	Scope	2008 Bond	3		Jul-08	Sep-08	Sheikh	Jul-08	Sep-08	100%	3	0.00				
				Design		4		Oct-08	Jan-09	Sheikh	Oct-08	Jan-09	100%	4	0.00				
				Construction		11	C	Feb-09	Dec-09	Mends- Cole	Feb-09	Oct-09	100%	9	0.50				
				08 Bond Funding															
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
	\$25,000.00	\$824,500.00	(\$34,619.00)	\$849,500.00	\$814,881.00	\$779,245.00	\$1,282.00	\$780,527.00	96%	\$34,354.00	\$0.00								
Total Project Cost					\$814,881.00		Remarks: January 2010 - Submitted for VDOT permit for trail installation. Provided payment to VA Dominion Power for street lighting. Awaiting plan revision approval to delete the curb and gutter in parking lot. Mar 2010 - Project will require VDOT Acceptance process. Meeting scheduled with DPWES Site Inspector April to finalize punch list. June 2010 - Waiting for VA Dominion Power to install street lights. Installation of VDOT trail to follow. Sept 2010 - Continue to wait for VA Dominion Virginia Power to install street lights. Next action to request proposal for installation of new asphalt trail. December 2010 - No change in project status. March 2011 - VA Dominion VA Power installed street lights. Asphalt trail required re-design due to R#7 road alignments. June 2011 RFP for trail issued and contract proposal under review for asphalt and stone dust trails. Sept 2011 - PO was issued and a pre-construction meeting was conducted. Work is underway to construct the asphalt/stone dust trails. Dec 2011 - Trail improvements underway. March 2012 Trail improvements have been completed. Staff is working with LDS and VDOT to secure final inspection approvals. VDOT Initial Street Acceptance Package was approved January 2013. Park Authority is coordinating with the County Inspector to begin the process of preparing the Letter 18 to close the site plan. The Park Authority is in the process of completing the As-Built Survey, having property corners staked, and landscape plantings installed in order to comply with County Inspector comments. Project completed and ready for final release from Bonds & Agreements on 4/2/14. DPWES closed out the Development Agreement on April 2, 2014. Last Report.												

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Dranes- ville	Riverbend	Clarks Branch Bridge	90' bridge over Clarks Branch.	Scope	MDS Grant	7		Dec-07	Jun-08	Cronauer	Dec-07	Sep-08	100%	10	-0.75				
				Design	2004 Bond	10		Jul-08	Apr-09	Cronauer	Nov-08	Mar-09	100%	5	1.25				
				Construction	2008 Bond	6	C	Jul-09	Dec-09	Cronauer	Jun-09	Dec-09	100%	6	0.00				
					08 Bond Funding														
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
	\$200,000.00	\$512,451.00	(\$112,515.00)	\$269,340.00	\$369,874.00	\$239,240.16	\$0.00	\$239,240.16	65%	\$130,633.84	\$230,062.00								
Total Project Cost					\$599,936.00		Remarks: Contract Award to Harbor Dredge and Dock on June 22, 2009. Contractor mobilized, building permit obtained, bridge delivered on October 7, 2009. One month delay due to weather conditions. Substantial completion inspection held December 17, 2009. Final inspection January 21, 2010. Project is in one-year warranty phase. One Year Warranty inspection held on December 17, 2010. No issues. Final Report.												

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Dranes- ville	Spring Hill	Spring Hill RECenter Connector Trail	Asphalt 500' and bridge over existing footpath	Scope		3		Aug-09	Oct-09	Holley	Aug-09	Oct-09	100%	3	0.00			
				Design		5		Nov-09	Apr-10	Holley	Nov-09	Apr-10	100%	6	-0.25			
				Construction	2008 Bond	2	C	May-10	Jun-10	Holley	May-10	Jun-10	100%	2	0.00			
					08 Bond Funding													
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
	\$0.00	\$0.00	\$112,515.00	\$112,515.00	\$112,514.88	\$0.00	\$112,514.88	100%	\$0.12	\$0.00								
Total Project Cost					\$112,515.00		Remarks: Project was completed using the County open end contract for paving. Final report.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Dranes- ville	Spring Hill RECenter	RECenter Mechanical System Renovation	Replace 2 dectron units with AC capable units, and replace associated piping and controls.	Scope	2008 Bond	3		Apr-09	Jun-09	Hardee	Mar-09	Jun-09	100%	4	-0.25			
				Design		5		Jul-09	Nov-09	Hardee	Jul-09	Sep-09	100%	3	0.5			
				Construction		11	C	Dec-09	Oct-10	Hardee	Oct-09	Oct-10	100%	13	-0.5			
					08 Bond Funding													
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
	\$0.00	\$2,580,200.00	\$0.00	\$1,660,000.00	\$1,248,254.00	\$1,266,096.73	\$623.95	\$1,266,720.68	101%	-\$18,466.68	\$1,331,946							
Total Project Cost					\$2,580,200.00		Remarks: The project reached substantial completion on October 17, 2010, and is currently in the one year warranty period. The one year warranty inspection was held in October. Final report.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Dranes- ville	Spring Hill RECenter	Parking Lot Renovation	Design and construction a new RECenter entrance from Lewinsville Road, close entrance from Artnauman Court, add 260 new parking spaces, repave existing parking lot and provide LID stormwater facilities, sidewalks and landscaping.	Scope	2008 Bond	6		Oct-08	Mar-09	Villarroel	Jul-08	Jan-10	100%	18	-3.00			
				Design		18		Apr-09	Sep-10	Villarroel	Feb-10	Jul-10	100%	6	3.00			
				Construction		18	C	Oct-10	Mar-12	Hardee	Aug-10	Jul-11	100%	12	1.50			
				08 Bond Funding														
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
	\$95,000.00	\$1,935,150.00	\$494,538.00	\$2,027,460.00	\$2,524,688.00	\$2,142,705.00	\$841.00	\$2,143,546.00	85%	\$381,142.00	\$0.00							
Total Project Cost					\$2,524,688.00													
Remarks: Notice to Proceed was issued on August 11, 2010. The contractor has completed the Storm Water Management Pond. Construction of the parking lot improvements is proceeding in phases to allow for adequate parking for RECenter programs and activities. The two underground stormwater storage facilities have been installed. Sidewalk, light pole foundations and curb and gutter work is proceeding. Parking lot base stone has been placed and asphalt paving will start within the next two weeks. Delivery of parking lot lights may be impacted by availability of products shipping from Japan. Project reached substantial completion on July 22, 2011. Remaining landscaping work will not be performed until hot weather ends this fall. All punchlist items have been corrected and the project is now under warranty. One-Year warranty inspection was held and the list of deficiencies was sent to the contractor with the work being scheduled for September 2012. The Park Authority will be partnering with Mclean Youth Association to upgrade the condition of Field #4 to improve playing conditions. This will be completed in fall 2012. In September 2012, DPWES completed the construction of the new park entrance on Lewinsville Rd. funded by the Park Authority. This includes new pavement width to Lewinsville Rd., striping to create a bicycle lane, and a new asphalt trail along Lewinsville Rd. A new traffic signal that controls movements in and out of the park and Spring Hill Elementary School, directly across the street from the park, is now operational. A pedestrian crossing is included at the new park entrance. Staff has installed new stop signs, and speed humps to deter cut-through traffic. Staff is developing a plan to connect a sidewalk from the new park entrance to the RECenter. Existing trails needing repair along Lewinsville Road and Spring Hill Road will be reconstructed after the RECenter Expansion Project is completed. Last report.																		

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Dranes- ville	Spring Hill RECenter	RECenter Expansion	Expand the RECenter to include a new larger fitness room, additional multipurpose rooms, a new gym and related site improvements.	Scope	2008 Bond	6		Aug-11	Feb-12	Villarroel								
				Design	2008 Bond	12	C	Feb-12	Feb-13	Villarroel								
				Construction	TBD													
				08 Bond Funding														
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
	\$0.00	\$727,500.00	(\$727,500.00)															
Total Project Cost					\$0.00													
Remarks: Dec 2010 - Mclean Community Center has shown no further interest in partnering with Park Authority for construction of Gym. Last report.																		

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Dranes- ville	Spring Hill RECenter	RECenter Expansion	RECenter expansion to include fitness space, multipurpose space, and a gym (design only).	Scope	2008 Bond	6		Aug-11	Feb-12	Villarroel	Aug-11	May-12	100%	10	-1.00			
				Design	2008 Bond	12	C	Feb-12	Feb-13	Villarroel	Jan-12	Jun-13	100%	18	-1.50			
				Construction														
				08 Bond Funding														
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
	\$0.00	\$0.00	\$600,000.00	\$600,000.00		\$272,003.00	\$309,634.00	\$581,637.00	97%	\$18,363.00	\$0.00							
Total Project Cost					\$600,000.00													
Remarks: Project Team has met on several occasions to develop the programming needs for the new expansion and renovation of existing space. The consultant submitted a fee proposal and following negotiations an acceptable fee proposal was submitted. A Contract Project Assignment has been issued to the Hughes Group Architects (HGA). The kick-off meeting was held in January 2012 to review the program and concept plans. HGA submitted concept plans on 01/18/12. Staff approved a concept plan and provided comments. HGA was directed to proceed to schematic plan development. Schematic plans were submitted on 03/30/12. Project Team met on 04/09/12 to review the schematic plans. Schematic plans were reviewed and approved with comments. HGA submitted a materials and color layout and a LEED checklist. Staff provided comments and HGA provided a revised plan which was approved by staff. The PAB approved the project scope in May 2012. HGA submitted design development plans in July 2012 for the project team to review. HGA was directed to proceed to Construction Document phase. 50% plans will be presented to the project team in October 2012. The site plan was submitted for approval by Fairfax County. First submission comments have been received. The most significant comment is in regard to the installation and/or replacement of street lights on Lewinsville Rd., Spring Hill Rd., and Artnauman Dr. Staff will be requesting a waiver to omit installation of street lights on Artnauman Ct. since the upper entrance has been closed and the lower access is an exit only. The street light waiver for Artnauman Ct. has been approved. The Building Plans have been submitted for permit review and the consultant is preparing responses for 2nd submission. Site Plan has been approved. Building Permit will be released after Critical Structures Meeting is held. Bid opening is scheduled for July 25, 2013. Construction status to be reported separately as 2012 Park Bond project. Last report.																		

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Hunter Mill	Frying Pan Farm	Equestrian Facility Improvements	Phase I - Design and construction of horse stables and related improvements.	Scope	2004 Bond	3		Jul-07	Sep-07	Scheib	Mar-07	Sep-07	100%	7	-1.00	
				Design		9		Oct-07	Jun-08	Scheib	Oct-07	Aug-08	100%	11	-0.50	
				Construction	2008 Bond	18	C	Jul-08	Dec-09	Guzman	Sep-08	Nov-09	100%	13	1.25	
				Other Funding(s)	08 Bond Funding											
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
					\$485,000.00	\$0.00	\$485,000.00		\$470,473.84	\$0.00	\$470,473.84	97%	\$14,526.16	\$0.00		
Total Project Cost					\$485,000.00		Remarks: The project reached substantial completion on November 18, 2009. Punch list items have been corrected and the project is under warranty. This is the final report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Hunter Mill	Lake Fairfax Park	Core Area Picnic Shelter-Phase 2B	Design and construct rentable lake front picnic shelters.	Scope	2004 Bond	18		Jul-07	Dec-08	Villarroel	Jul-07	Jan-09	100%	18	0.00	
				Design		9		Jan-09	Sep-09	Villarroel	Jan-09	Feb-09	100%	2	1.75	
				Construction	2008 Bond	12	C	Oct-09	Sep-10	Lynch	Mar-09	Dec-09	100%	10	0.5	
				Other Funding(s)	08 Bond Funding											
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
					\$450,000.00	\$727,500.00	\$0.00	\$1,111,000.00	\$849,900.00	\$609,041.56	\$0.00	\$609,041.56	72%	\$240,858.44	\$327,600.00	
Total Project Cost					\$1,177,500.00		Remarks: The project is complete and closed. This is the final report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Hunter Mill	Lake Fairfax	Skate Park	Scope, design, and construct a concrete skate park.	Scope	2008 Bond	6		Jul-11	Dec-11	Fruehauf	Jun-11	Oct-11	100%	5	0.25	
				Design	2008 Bond	6		Jan-12	Jun-12	Fruehauf	Nov-11	Jun-12	100%	8	-0.5	
				Construction	2008 Bond	6	C	Jul-12	Dec-12	Fruehauf	Jul-12	Oct-12	100%	4	0.5	
				Other Funding(s)	08 Bond Funding											
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
					\$449,100.00	\$727,500.00	\$0.00	\$1,176,600.00		\$226,379.00	\$864,712.00	\$1,091,091.00	93%	\$85,509.00	\$0.00	
Total Project Cost					\$1,176,600.00		Remarks: A purchase order has been issued to GameTime / Spohn Ranch Skate Parks to provide design and installation services under the U.S. Communities contract with Fairfax County. Park Authority sponsored a design forum in June 2011 with Spohn Ranch Skate Parks to solicit ideas of the skate and bike community. Staff has issued a Contract Project Assignment to a Civil Engineering Consultant for engineering services to include preparation of permit documents. Staff has evaluated various sites to determine the appropriate location for the facility. A site located adjacent to the existing athletic fields has been selected. A second design forum was held on October 27, 2011 with Spohn Ranch to finalize the skate park design. The site plan has been submitted to DPWES for review. Following the public meeting, Spohn Ranch requested permission to prepare a revised layout due to design and cost constraints of the current design. Spohn Ranch presented a revised plan, however the Project Team has requested revisions to the plan to add 1000 square feet of skate surface. GameTime submittea a final plan and cost proposal for the demolition, site grading, utility installation, shade structures, and skatepark. A Purchase Order was issued to GameTime in June 2012 for construction of all phases of the skate park and construction is underway. Construction of the concrete skate features and the concrete flat skate slab were completed in September. Site work to grade the site, install top soil, assemble the two shade structures, install the concrete shelter slab, concrete sidewalk, accessible parking spaces, gravel parking lot, gravel access road, and rain garden are on-going. A bid for installation of sod and landscape planting was advertised in September 2012. Denison Landscape Inc. was the successful bidder. Work was complete on October 20, 2012. A ribbon cutting ceremony was held on October 27, 2012. Staff is working with the lighting manufacturer to re-use the existing lights from the Lewinsville Park Athletic Field Renovation project to install a lighting system at the skate park. Light poles and equipment will be delivered to Lake Fairfax on July 26, 2013. Installation of the light system will be completed by end of October 2013. Final report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Hunter Mill	Lake Fairfax	Replacement of 3 Restroom Facilities for ADA Compliance	Scope, design, permit, and construct restroom facilities at RV, Family Camping, and Picnic Area. Design only.	Scope	2008 Bond	5		May-11	Nov-11	Duncan	Jul-11	Feb-12	100%	8	-0.75				
				Design	2008 Bond	12	C	Dec-11	Oct-12	Duncan	Dec-11	Apr-13	100%	16	-1.00				
					08 Bond Funding														
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
	\$162,000.00	\$0.00	\$150,000.00	\$312,000.00		\$274,776.00	\$20,659.00	\$295,435.00	95%	\$16,565.00	\$0.00								
Total Project Cost					\$312,000.00		Remarks: June 2012 - PAB approved the Scope for Bath House "A" in Feb. 2012. Site permit drawings and building permit approved Fairfax County. Project has been bid and construction contracts have been executed. Notice-to-Proceed has been issued for Bathhouse "A" and construction is scheduled to begin August 2012 and Completed in March 2013. September 2012 - Bathhouse "A" is in construction phase. Restroom "B" and Bathhouse "C" are currently in the scope/design phase. Scope for both Restroom "B" and Bathhouse "C" will be brought before the PAB for approval once construction funding is identified. December 2012 - Bathhouse "A" is under construction. Restroom "B" plans have been submitted for MSP. Restroom "B" is unfunded at this time. Bathhouse A construction is substantially complete as of April 26, 2013. The project is in its 1 year warranty stage. Restroom B and Bathhouse C designs are 100% complete. Project will be bid in accordance with ADA project funding schedule. Construction is scheduled for FY2017. Last report.												
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Hunter Mill	Lake Fairfax	Expand Watermine	Expand Watermine to include activities for teens (design only).	Scope	2008 Bond	6		Aug-11	Feb-12	Emory	Jan-12	Mar-13	100%	14	-2				
				Design	2008 Bond	12	C	Feb-12	Feb-13	Emory	Apr-13	May-14	100%	13	-0.25				
					08 Bond Funding														
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
	\$0.00	\$0.00	\$400,000.00	\$400,000.00		\$28,690.00	\$2,490.00	\$31,180.00	8%	\$368,820.00	\$0.00								
Total Project Cost					\$400,000.00		Remarks: The Project Team has recommended that an analysis be conducted to determine the validity of the 2003 recommendations for expansion. A Request for Proposal was issued to the consultant to obtain services to complete the analysis. A Contract Project Assignment was issued to Burgess & Niple (B&N) for the initial feasibility study of the project. A report has been issued by the subconsultant Ballard/King that includes recommendations for improving the facility. A project team meeting is scheduled for July to discuss the recommendations. The project team reviewed the draft report and requested revisions to include an analysis of the 2003 recommendation, modifications to the demographics, reduction in elements to improve the 2-5 age group play events, increase in elements to encourage use by 10-14 age group. The final draft report was submitted in October 2012. A second Contract Project Assignment was issued to Burgess & Niple to prepare two concept plans. B&N will be working with Water Technologies Inc. to develop the plans and cost estimates. The project team reviewed and approved the final concept plan. A meeting has been scheduled with the Health Department on January 10, 2013 to review the plan. After consideration of the concept plan, the Health Dept has agreed to allow a remote restroom and showers as well as an increase in bather occupancy load for the area of expansion. DPWES Storm Water Planning Division is considering funding some improvements for capturing additional runoff and improving infiltration of storm water. A Contract Project Assignment has been issued to Burgess & Niple to proceed with the design portion of the work. Survey and geotechnical investigation work will proceed during March 2013. Survey and geotechnical investigation resulted in some modifications to the schematic plan layout. Design Development Plans will be submitted by end of July 2013. Construction status to be reported separately as a 2012 Park Bond project. Project team is currently reviewing the 95% submittal. The site plan first submission was submitted on 12/24/13 for LDS review. The Geotechnical Report has been approved. Site Review has given 1st submission comments and those comments are being addressed. The Building Permit Plans were submitted to the Health Department on 2/26/14 and are under review. Project was advertised for competitive bid in May 2014. Bids were opened on July 8, 2014 and the County Attorney determined that the lowest bid was non-responsive. The second lowest bid exceeded the available funding, so the project will be re-bid in August 2014. Bids were opened on September 15, 2014 with Schiebel Construction as the apparent lowest bidder in the amount of \$4,429,000. Last report. Construction progress reported in 2012 Park Bond report.												
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Lee	Amberleigh	Grouped Trails: Island Creek at Amberleigh Park	Asphalt 2600' new trail. Construction Access/VDOT ROW	Land Acquisition	2008 Bond	9		Nov-11	Jul-12										
				Scope	2008 Bond	6	C	Aug-10	Jan-11	McFarland	Sep-10	Dec-10	100%	4	0.5				
				Design	2008 Bond	9		Feb-11	Oct-11										
				Construction	2008 Bond	10		Aug-12	May-13										
					08 Bond Funding														
Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation									
	\$0.00	\$330,000.00	\$0.00								\$330,000.00								
Total Project Cost					\$330,000.00		Remarks: Grouped Trails was approved by the PAB for scoping on March 24, 2010. Due to cash flow for park bond sales, funds for this project not available until 2011. Due to site conditions, project not feasible within current budget and timeline. Staff seeking substitute project. Funds transferred to Chessie's Trail project in Lee District Park. Last report.												

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Lee	Banks	Demolition of Accessory Structures	Permit and demolish accessory structures to include an outdoor kitchen, pool, pool house, garage, shed, and fencing.	Design	2008 Bond	3		Sep-11	Dec-11	Sheikh	Sep-11	Dec-11	100%	4	-0.25			
				Construction	2008 Bond	7	C	Jan-12	Jul-12	Sheikh	Jan-12	Jul-12	100%	7	0			
				08 Bond Funding														
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
	\$0.00	\$0.00	\$0.00															
Total Project Cost					\$0.00		Remarks: Demolition work was completed July 2012. Last report.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Lee	Historic Huntley	Historic Huntley Site Restoration - Main House and Historic Dependencies	Development and preservation of the Huntley Historic site and related buildings. Includes archeological analysis of the buildings, cultural landscape report, site features analysis, site improvements and building renovations.	Scope	2004 Bond	3		Jan-09	Mar-09	Duncan	Jan-09	Apr-09	100%	4	-0.25	
				Design	2004 Bond	6		Apr-09	Sep-09	Duncan	Apr-09	Aug-09	100%	5	0.25	
				Construction	2008 Bond	18	C	Oct-09	Mar-11	Duncan	Sep-09	Aug-11	100%	24	-1.5	
				08 Bond Funding												
Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation						
	\$708,746.00	\$1,886,650.00	\$0.00	\$2,500,000.00	\$1,845,422.00	\$1,697,906.00	\$980.00	\$1,698,886.00	68%	\$146,536.00	\$749,974.00					
Total Project Cost					\$2,595,396.00		Remarks: Grand Opening was held on May 19, 2012. Facility has been open to the public during scheduled times. One Year Warranty Inspection August 2012 and contractor is working on warranty items and closing out the project. Last report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Lee	Lee District	Family Recreation Area 1	Scope, design, and construct play area 1 of the accessible playground.	Scope	2008 Bond	3		Jul-11	Sep-11	Fruehauf	Jun-11	Jul-11	100%	2	0.25	
				Design	2008 Bond											
				Construction	2008 Bond	6	C	Oct-11	Mar-12	Lynch	Aug-11	May-12	100%	10	-1.00	
				08 Bond Funding												
Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation						
	\$0.00	\$0.00	\$600,000.00	\$600,000.00		\$568,755.00	\$1,754.00	\$570,509.00	95%	\$29,491.00	\$0.00					
Total Project Cost					\$600,000.00		Remarks: Equipment and Rubber Surface have been installed. Playground was substantially complete on April 27, 2012. Grand Opening was held on May 19, 2012. Project is under warranty. Last report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Lee	Huntley Meadows	Boardwalk Renovation	Replace decking on existing wetlands boardwalk	Scope	2008 Bond	3		Apr-10	Jun-10	Duncan	Apr-10	Dec-10	100%	9	-1.5	
				Design		3		Jul-10	Sep-10	Duncan	Jul-10	Dec-10	100%	6	-0.75	
				Construction		12	C	Oct-10	Sep-11	Duncan	Jan-11	Sep-11	100%	9	0.75	
				08 Bond Funding												
Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation						
	\$0.00	\$645,050.00	\$0.00	\$40,000.00	\$644,200.00	\$538,518.93	\$30,713.14	\$569,232.07	88%	\$74,967.93	\$850.00					
Total Project Cost					\$645,050.00		Remarks: One Year Warranty period ended on October 7, 2012 and no items required correction. This is the last report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Lee	Hoops Road Park	Road and Parking Lot Improvements, Landscaping and Trails	Public road improvements, expansion of the parking lot, stormwater management facilities, trails and landscaping.	Scope	2008 Bond	3		Jul-08	Sep-08	Duncan	Jul-08	Sep-08	100%	3	0.00				
				Construction		15	C	Oct-08	Dec-09	Lynch	Oct-08	Jun-10	100%	21	-1.50				
				08 Bond Funding															
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
	\$30,000.00	\$1,164,000.00	-\$55,277.00	\$1,138,723.00	\$1,138,723.00	\$896,311.55	\$8,008.94	\$904,320.49	79%	\$234,402.51	\$0.00								
Total Project Cost					\$1,138,723.00		Remarks: Board Resolution is being presented to Board of Supervisors on April 10, 2012. The public road frontage improvement have been accepted by VDOT. This is the last report.												

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Lee	Lee District RECenter	Mechanical System Renovation	Replace 2-pool pac units, 10-rooftop units, 2-energy recovery units, 2-DX units, 2-water pumps, and related piping and controls.	Scope	2008 Bond	3		Jul-08	Sep-08	Hardee	Jul-08	Sep-08	100%	3	0.00	
				Design		3		Oct-08	Dec-08	Hardee	Oct-08	Dec-08	100%	3	0.00	
				Construction		9	C	Jan-09	Oct-09	Hardee	Jan-09	Sep-09	100%	8	0.25	
				08 Bond Funding												
Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation						
	\$68,000.00	\$3,225,250.00	(\$1,642,264.00)	\$2,050,000.00	\$1,598,768.00	\$1,392,523.65	\$0.00	\$1,392,523.65	87%	\$206,244.35	\$52,218.00					
Total Project Cost					\$1,650,986.00		Remarks: Substantial completion was reached on September 17, 2009, 42 days earlier than the contract completion date. Project is currently under warranty. One-year inspection meeting scheduled for October 21, 2010. One year warranty meeting held with no deficiencies noted. This is the final report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Lee	Lee District	Family Recreation Area Phase I - Tree House and Supporting Facilities	Develop a Conceptual Plan for the Family Recreation Area. Design and construct the Tree House and supporting facilities.	Scope	Foundation	9		Jul-08	Mar-09	Fruehauf	Jun-08	Mar-09	100%	10	-0.25	
				Design	Foundation	15		Apr-09	Jun-10	Fruehauf	Apr-09	Jun-10	100%	15	0.00	
				Construction	2008 Bond/ Foundation	15	C	Jul-10	Sep-11	Lynch	Jul-10	May-11	100%	10	1.25	
				08 Bond Funding												
Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation						
	\$810,836.00	\$436,500.00	\$1,310,964.00	\$2,558,300.00		\$2,002,833.52	\$7,336.93	\$2,010,170.45	79%	\$548,129.55	\$0.00					
Total Project Cost					\$2,558,300.00		Remarks: Construction of the Tree House was completed in December 2010. Construction of Phase 1 was completed in May 2011 to coincide with completion of the Spray Park. The facility was opened to the public on May 21, 2011. The warranty inspection was held in May 2012, and all punch list items have been corrected. This is the last report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Lee	Lee District RECenter	RECenter Roof Replacement		Scope	2008 Bond	5		Oct-09	Mar-10	Hardee	Oct-09	Mar-10	100%	5	0.00				
				Construction		3	C	Apr-10	Jul-10	Hardee	Apr-10	Dec-10	100%	8	-1.25				
				08 Bond Funding															
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
		\$0.00	\$331,300.00	\$331,300.00		\$174,733.63	\$0.00	\$174,733.63	53%	\$156,566.37	\$0.00								
Total Project Cost					\$331,300.00		Remarks: SWSG was contracted to scope and design repairs to the roof above the mezzane level of the RECenter. Evaluation report with findings and recommendations was received February 2010. Start of construction was delayed by DPMS while they put in place an appropriate procurement vehicle for the PUFF roof system. Construction is scheduled to begin in November 2010. Construction was completed in December 2010, and the project is under warranty. This project is complete.												

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Mason	Accotink SV	Grouped Trails: Pine Ridge Connector Trail to CCT	Asphalt 1000' new trail to existing sidewalk to park	Scope	2008 Bond	9		Jan-11	Oct-11	Boston	Aug-12	Feb-13	100%	7	0.5	
	Design			2008 Bond	3		Nov-11	Jan-12	Boston	Feb-13	Feb-14	100%	12	-2.25		
	Construction			2008 Bond	4	C	Feb-12	May-12	Boston	Mar-14	Oct-14	100%	7	-0.75		
	08 Bond Funding															
	Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
		\$117,095.00	\$130,000.00	\$0.00	\$251,000.00	\$68,114.00	\$127,500.00	\$68,114.00	27%	\$182,886.00	\$0.00					
Total Project Cost					\$247,095.00			Remarks: Grouped Trails was approved by the PAB for scoping on March 24, 2010. Team formed and team kickoff meeting held October, 2012. PAB scope approval 1/23/13. Permit Approval January 2014. Competitive Bid for construction advertised April 13, 2014, bid opening May 9, 2014. Contract was awarded to Accubid Construction Services in June 2014. Notice to Proceed was issued on June 26, 2014. Construction was completed in October 2014. Warranty Phase to October 2015.								

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Mason	Pine Ridge	Synthetic Turf Conversion for (1) Field	Scope, design and construct (1) rectangular synthetic turf field	Scope	2008 Bond	3		Sep-09	Nov-09	Mends-Cole	Sep-09	Mar-10	100%	3	0.00	
	Design				6		Dec-09	May-10	Mends-Cole	Dec-09	Feb-10	100%	3	0.75		
	Construction				6	C	Jun-10	Nov-10	Guzman	Mar-10	Sep-10	100%	7	-0.25		
	08 Bond Funding															
	Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
		\$0.00	\$903,070.00	-\$15,000.00	\$888,070.00	\$744,778.90	\$0.00	\$744,778.90	84%	\$143,291.10	\$0.00					
Total Project Cost					\$888,070.00			Remarks: May 2009 - Project schedule has been revised based on Cash Flow requirements. July 2009 - Project currently approved to start based on FY 2010 Work Plan in April 2011. Sept 2009 Project Team assembled and kick-off meeting held. Met with civil engineering consultant and initiated an RFP. January 2010 - Project in the scope/design phase. Anticipate seeking PAB approval of scope in March 2010. Mar 2010 PAB approved scope. RFP issued to county open-end contract for conversion of synthetic turf. Preparation of Purchase Order underway. It is anticipated that construction will begin mid June 2010. June 2010 - Construction NTP was issued. Subgrade preparation, curb and stone installation complete. Sept 2010 - NTP was issued mid June 2010. Substantial completion was held Sept. with turnover to NCS for community scheduling. Ribbon cutting ceremony held on October 16th. Project in punchlist and 1 yr. warranty phase. December 2010 - Project in 1 yr. warranty phase. Final report.								

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Mason	Pine Ridge	Athletic Field Lighting for (3) Rectangular Fields and (3) Diamond Fields	Scope, design and permit and install athletic field lighting for (6) fields.	Scope	2008 Bond	3		Sep-09	Nov-09	Li	Sep-09	Feb-10	100%	6	-0.75	
	Design				4		Dec-09	Mar-10	Li	Dec-09	Mar-10	100%	4	0.00		
	Construction				8	C	Apr-10	Nov-10	Li	Apr-10	Oct-10	100%	7	0.25		
	08 Bond Funding															
	Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
		\$30,000.00	\$1,264,104.00	-\$45,000.00	\$1,249,104.00	\$944,135.46	\$0.00	\$944,135.46	76%	\$304,968.54	\$0.00					
Total Project Cost					\$1,249,104.00			Remarks: May 2009 - Project schedule has been revised based on Cash Flow requirements. July 2009 - Project currently approved to start based on FY 2010 Work Plan in April 2011. Sept 2009 - Project Team assembled and kick-off meeting held. Met with civil engineering consultant and initiated RFP. January 2010 - Project in the scope/design phase. Anticipate seeking PAB approval of scope in March 2010. Mar 2010 - PAB approved project scope. Project out to bid. June 2010 - NTP issued June. Contractor installing conduit to pole locations. Sept 2010 - Project was substantial complete Oct 2010 and turned over to NCS for community scheduling. Project is in punchlist and 1 yr. warranty phase. December 2010 - Project in 1 yr. warranty phase. Warranty phase is completed. Last report.								

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Mason	Pinecrest Golf Course	Reconstruction of the Upper Dam Embankments	Design and reconstruct the upper and lower dam embankments.	Scope	Fund 371	18		Jul-07	Dec-08	Lehman	Jul-07	Dec-08	100%	17	0.25			
				Design	2008 Bond	36		Jan-09	Dec-11	Sheikh	Jan-09	Jul-12	100%	31	1.25			
				Construction	2008 Bond	26	C	Jan-12	Mar-14	Lynch	Apr-12	Dec-12	100%	9	4.25			
					08 Bond Funding													
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
	\$65,000.00	\$2,551,100.00	\$0.00	\$2,616,100.00	\$1,551,100.00	\$359,739.00	\$833,640.00	\$1,193,379.00	46%	\$357,721.00	\$0.00							
Total Project Cost				\$2,616,100.00		Remarks: Project complete. Warranty Period through December 2013. Warranty inspection to be performed in December 2013. Warranty inspection was performed in December 2013. Last report.												

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Mason	Pinecrest Golf Course	Lower Pond Dam Repair and Stream Restoration	Repair of the lower pond spillway structures and restoration of the stream segment between the upper and lower ponds.	Scope						Hardee							
				Design	2008 Bond	36		Jan-09	Dec-11	Sheikh	Jan-09	Jan-12	100%	37	-0.25		
				Construction	2008 Bond	15	C	Jan-13	Mar-14	Hardee	Sep-12	Dec-13	100%	18	-0.75		
					08 Bond Funding												
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation			
	\$0.00	\$0.00	\$1,000,000.00														
Total Project Cost				\$1,000,000.00		Remarks: Project design work has been completed. Finalizing permit approvals and preparing bid documents. Construction start revised to July 2017 due to cash flow. Included in the CIP. 07/10/13 As a result of heavy rains the dam is failing and has been put back on the list as an emergency repair project. A temporary bridge to carry golf course traffic is currently being installed by Area 2, Mobile and Pinecrest Staff. Heavy rains in spring 2013 have caused the dam to fail and temporary repairs are no longer viable. Staff is soliciting cost proposals to begin permanent repairs in August 2013. Maintenance repairs started in September 2013 and are currently underway. The demolition has been completed and the new riser, pipes and headwall have been installed. Backfilling operations started the first week of October 2013. Scheduled completion is November 2013. Substantial completion meeting was held on December 3, 2013. Project is now under one year warranty. Warranty inspection will be conducted in November 2014. Final report.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Mt. Vernon	Mt. Vernon District	RECenter Renewal Aquatics Area	Renovation of Aquatics Area including natatorium systems replacement	Scope	2008 Bond	12		May-13	May-14	Inman	Aug-13	Nov-15	100%	40	-7		
				Design	2008 Bond	12	A	Dec-15	Nov-16	Hardee	Dec-15		10%				
				Construction	2008 Bond			TBD	TBD	TBD							
					08 Bond Funding												
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation			
		\$727,500.00		\$727,500.00													
Total Project Cost				\$727,500.00		Remarks: 1/11/16 Design phase started and further testing and inspections are being performed to complete conceptual design. March 2016; project on hold until Mt. Vernon RECenter Feasibility Study is completed. Last report.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Mt. Vernon	Mt. Vernon District	Building Existing Conditions Evaluation; Limited Feasibility Study for Expansion Capabilities	Develop scope and budget for building renewal including potential expansion.	Scope	2008 Bond	12	C	May-13	Apr-14	Inman	Aug-13	Aug-16	100%	36	-6	
				Design												
				Construction												
					08 Bond Funding											
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
				\$0.00	\$970,000.00	\$0.00	\$970,000.00									
Total Project Cost					\$970,000.00											
<p>Remarks: December 2013 - The Project Team kickoff meeting was held in December for the definition of the project scope for the A/E request for proposal. The RFP is expected to be issued mid-January 2014. March 2014 - Project scope and report format were defined. Building condition assessment proposal RFP was issued and negotiations are ongoing. June 2014 - Building Assessment was performed. Draft report issued and is under FCPA review. September 2014 - Draft Final Report issued. Comments provided to A/E consultant. December 2014 - Project team reviewed the repair issues list and has made recommendations for immediate repairs and have proposed an outline for proceeding on the project. This would include a market/feasibility study to determine need and then the size and pricing of the renovation/addition. Summary report is currently being drafted. March 2015 - Citizen meeting held to summarize existing building assessment report. RFP issued for immediate pool related repairs, design and permitting and feasibility study for addition/renovation of existing RECenter. June 2015 - Feasibility Study kicked off. User surveys to be issued in late August. Market study in process. Repairs - Consultant under contract. Kickoff to occur early autumn. September 2015 - Surveys issued. Market Study near completion. Citizen and Contract User meetings held. Repairs - Consultant kickoff meeting to occur early October. December 2015 - Financial Analysis and Program Analysis initiated. Team presented with multiple program options. Team deciding on direction for Concept plan creation in January. March 2016 - The Concept plan, program, and financial analysis was further developed. PAB info item presented on 3/23. Citizen meeting scheduled for 4/10. June 2016 - Draft Final Feasibility study report completed and provided to FCPA for review comments. Final Feasibility study report expected early August 2016. September 2016 - Final Feasibility Study Report issued and posted on web for public. DPWES Building Design team initiated to start solicitation/RFQ for A/E for building design. Last report.</p>																
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Mt. Vernon	McNaughton Fields	Athletic Fields	Design for renovation of athletic fields and infrastructure.	Scope	2008 Bond	9		Jul-11	Mar-12	Emory	Jul-11	Jun-15	100%	47	-9.5	
				Design		15	C	Apr-12	Jun-13	Emory	May-12	Jun-15	100%	49	-8.5	
					08 Bond Funding											
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
				\$0.00	\$145,500.00	\$0.00	Pre-scope Development		\$7,879.00	\$0.00	\$7,879.00	5%	\$137,621.00			
Total Project Cost					\$145,500.00											
<p>Remarks: Park Authority presented several field layout options to Woodlawn Little League at Supv Hyland's office. Woodlawn LL requested the Park Authority to make a presentation to their full board of directors. Staff made a presentation to the Woodlawn LL Board of Directors on 02/06/12. Woodlawn LL BOD has unanimously recommended a plan to redevelop the site with four lighted/irrigated natural surface fields, concession building, playground, and parking. Funding is available to prepare plans to the Design Development phase. An RFP was issued to Burgess & Niple in April 2012. A Contract Project Assignment was issued to B&N in June 2012 to redesign the entire site with four new lighted/irrigated ballfields, parking, playground, and batting cages. A concession/restroom building will be sited but not designed. Scope approval is was achieved on June 24, 2015. DPWES Stormwater Planning Division has agreed to fund additional improvements for capturing storm water runoff and improvement infiltration of water on the site. Site Plan submitted to Fairfax County for permit review/approval June 2015. Last Report - Construction status to be reported separately as a 2012 Park Bond project.</p>																
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Mt. Vernon	North Hill	Master Plan			2008 Bond		C	TBD	TBD	TBD						
					08 Bond Funding											
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
Total Project Cost					N/A		Remarks:									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Mt. Vernon	Pohick SV	Grouped Trails: Pohick Road Connector to CCT	Asphalt 200' existing path.	Scope	2008 Bond	3		Aug-10	Nov-10	Boston	Nov-11	Mar-12	100%	4	-0.25	
				Design	2008 Bond	3		Dec-10	Feb-11	Boston	Apr-12	Aug-12	100%	4	-0.25	
				Construction	2008 Bond	2	C	Mar-11	Sep-13	Boston	Oct-12	Dec-12	100%	2	0.00	
				Other Funding(s)	08 Bond Funding											
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
				\$0.00	\$98,200.00	\$0.00	\$98,200.00		\$71,459.00		\$71,459.00	73%	\$26,741.00	\$0.00		
Total Project Cost					\$98,200.00			Remarks: This project was approved by the PAB for scoping on March 24, 2010. Scope team kickoff meeting held 12/12/2011. PAB approved project scope March 28, 2012. DPWES allowed project to proceed with Erosion & Sediment Control Plan only allowing in-house design which was completed by staff in August 2012. Erosion & Sediment Control Plans were submitted to Erosion Control Inspector October 4, 2012. The Construction Contract was Awarded to Southern Asphalt Inc. October 1, 2012. Pre-construction meeting held 10/11/12. Trail construction began October 2012 and completed in December 2012. Project Complete. Last report.								

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Provi- dence	Accotink SV	Grouped Trails: Barbara Lane Connector to CCT (formerly Karen Drive)	Asphalt 500' existing path.	Scope	2008 Bond	4		Dec-10	Apr-11	Cronauer	May-10	Nov-10	100%	6	-0.5	
				Design	2008 Bond	2		May-11	Jun-11	Cronauer	Dec-10	Jan-11	100%	1	0.25	
				Construction	2008 Bond	3	C	Jul-11	Sep-11	Cronauer	Jan-11	Jun-11	100%	6	-0.75	
				Other Funding(s)	08 Bond Funding											
				\$0.00	\$130,000.00	\$0.00	\$54,960.00				\$23,414.00	43%	\$31,546.00	\$75,040.00		
Total Project Cost					\$130,000.00			Remarks: Grouped Trails was approved by the PAB for scoping on March 24, 2010. Due to cash flow for park bond sales, funds for this project not available until 2011. Project scope approved on November 3, 2010. Construction completed 6/22/2011. Project in warranty phase. Final report.								

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Provi- dence	Jefferson District	Golf Course Irrigation Replacement	Replace automated golf course irrigation system	Scope	2008 Bond	6		Oct-09	Mar-10	Fruehauf	Oct-09	Apr-10	100%	7	-0.25	
				Design		3		Apr-10	Jun-10	Fruehauf	Feb-10	Jun-10	100%	4	-0.25	
				Construction		9	C	Jul-10	Mar-11	Fruehauf	Jul-10	Mar-11	100%	9	0.00	
				Other Funding(s)	08 Bond Funding											
				\$0.00	\$645,050.00	\$0.00	\$497,000.00	\$381,464.00	\$362,041.00	\$3,259.23	\$365,300.23	96%	\$16,163.77	\$263,586.00		
Total Project Cost					\$645,050.00			Remarks: Contractor was completed in March 2011. The project is now in the Warranty Phase. The contractor is preparing the Operation and Maintenance Manual. One year warranty inspection is scheduled for May 2012. Warranty items have been resolved. This is the last report.								

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Provi- dence	Nottoway	Replace Athletic Field Lighting	Replace athletic field lighting at 60' diamond field.	Scope	TBD	TBD	I	Mar-14	Jun-14	Li								
				Design						Li								
				Construction							Li							
				Other Funding(s)	08 Bond Funding													
				\$0.00	\$0.00	\$0.00												
Total Project Cost					\$0.00			Remarks: Evaluated partnership with MUSCO Lighting to consider installation of LED light fixtures. Solution was not cost effective. Last Report										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Provi- dence	Oak Marr	Oak Marr RECcenter - Natatorium Renovation	Replace pool bulkheads.	Scope	2008 Bond	6		Oct-09	Mar-10	Hardee	Oct-09	Mar-10	100%	6	0.00				
				Design		6		Apr-10	Sep-10	Hardee	Apr-10	Dec-10	100%	9	-0.75				
				Construction		12	C	Oct-10	Oct-11	Hardee	Jan-11	Oct-11	100%	10	0.50				
					08 Bond Funding														
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
	\$0.00	\$2,580,200.00		\$660,000.00		\$615,369.00	\$9,550.00	\$624,919.00	95%	\$35,081.00	\$1,920,200.00								
Total Project Cost				\$2,580,200.00		Remarks: The project scope was approved on June 23, 2010. A Purchase Request has been circulated for signatures. Notice to Proceed is expected to be issued in April 2011. Bulkheads have been ordered and are scheduled to be shipped in October 2011. New bulkheads have been installed and punch list items are being corrected. This project is under warranty. Last report.													

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Provi- dence	Oak Marr	Oak Marr RECcenter Roof & Pool Dive Tower Renovation		Scope	2008 Bond	6		May-10	Jan-11	Hardee	May-10	Jan-11	100%	7	-0.25			
				Design		3		Feb-11	Apr-11	Hardee	Feb-11	May-11	100%	4	-0.25			
				Construction		6	C	May-11	Oct-11	Hardee	Jun-11	Oct-11	100%	5	0.25			
					08 Bond Funding													
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
	\$0.00	\$0.00	\$892,000.00	\$90,000.00	\$892,000	\$785,158.00	\$30,985.00	\$816,143.00	91%	\$75,857.00	\$0.00							
Total Project Cost				\$892,000.00		Remarks: Construction documents for the roof replacement are being prepared. Request for Proposal has been sent to the contractor to repair the dive tower and roof. Construction is scheduled to start on August 22, 2011, concurrent with the bi-annual maintenance shut down. The roof and pool dive tower renovations have been completed and the punch list is being addressed. This project is under warranty. Last report.												

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Provi- dence	Oak Marr	Oak Marr RECcenter Natatorium Lighting and Skylight Renovation		Scope	2008 Bond	2		Apr-11	May-11	Hardee	Apr-11	May-11	100%	2	0.00		
				Design		2		Jun-11	Jul-11	Hardee	Jun-11	Jul-11	100%	2	0.00		
				Construction		3	C	Aug-11	Oct-11	Hardee	Aug-11	Oct-11	100%	3	0.00		
					08 Bond Funding												
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation			
	\$0.00	\$0.00	\$345,000.00	\$345,000.00		\$268,321.00	\$256,621.00	\$524,942.00	152%	-\$179,942.00	\$0.00						
Total Project Cost				\$345,000.00		Remarks: The lighting and skylights in the natatorium have been replaced and a substantial completion inspection was held for that phase of the project. The punch list has been addressed and the project is in the warranty phase. Last report.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Provi- dence	Oak Marr	Oak Marr RECcenter - Expand Fitness Area	Rec Center expansion to provide larger fitness center. Design only.	Scope	2008 Bond	6		Aug-11	Feb-12	Inman	Aug-11	May-12	100%	10	-1.00		
				Design	2008 Bond	12	C	Feb-12	Feb-13	Inman	Feb-12	Jan-13	100%	12	0.00		
				Construction													
					08 Bond Funding												
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation			
	\$0.00	\$0.00	\$450,000.00	\$450,000.00		\$233,297.00	\$199,298.00	\$432,595.00	96%	\$17,405.00	\$0.00						
Total Project Cost				\$450,000.00		Remarks: Sept 2011 - Project team assembled. RFP issued to design consultant. Jan 2012 - Consultant kickoff on Nov 2011. Concept Design and Schematic design options completed Jan 2012. March 2012 - Design Development mid-point meeting scheduled for 4/13/2012. June 2012 - 50% Project Completion design documents submitted. September 2012 - 95% Project Completion design documents submitted and under review by Project Team. Site Plan and Building Permit Plans being anticipated to be submitted in October. December 2012 - Construction documents are 97% complete and are ready for bidding in April 2013. Permit plans have been submitted for MSP and Building Permit. Mar 2013- Project in the bidding phase. Anticipate construction NTP May 2013. Construction status to be reported separately as a 2012 Park Bond project. Last report.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Provi- dence	Oak Marr	Athletic Field Lighting Field #1 & #2	Scope, design, permit and install athletic field lighting on fields #1 & #2.	Scope	2008 Bond	3		Jul-10	Sep-10	Li	Mar-11	Jun-11	100%	4	-0.25				
				Design		5		Oct-10	Feb-11	Li	Jun-11	Sep-11	100%	4	0.25				
				Construction		7	C	Mar-11	Sep-11	Li	Oct-11	Jul-12	100%	10	-0.75				
				08 Bond Funding															
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
	\$0.00	\$451,536.00	\$0.00	\$451,536.00		\$321,609.00	\$8,824.00	\$330,433.00	73%	\$121,103.00	\$0.00								
Total Project Cost				\$451,536.00		Remarks: Anticipate project startup in Nov. 2010. Mar 2011 - Project team assembled. Meeting with consultant to review RFP. Anticipate start of scope/design phase April 2011. Construction to be completed Nov 11 - Mar 12. June 2011 - Concept plan layout approved for two full size fields by project team and Providence Supervisor Athletic Team Task Force. Design documents underway. Sept. 2011 PAB approved scope September 2011. Project in the bidding phase. Dec 2011 - Contract Award was approved Dec. 2011. NTP will be issued in Jan. 2012. March 2012 project in construction phase. June 2012 project in construction phase. September 2012 - Substantial Completion Inspection held in August 2012. Punchlist work underway. December 2012 - Punchlist work completed. Project in 1 year warranty phase. Warranty phase is completed. Last report.													
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Provi- dence	Oak Marr	Synthetic Turf Conversion Field #1 & #2	Scope, design, permit and install synthetic turf on field #1 & #2	Scope	2008 Bond	4		Jul-10	Oct-10	Mends-Cole	Mar-11	Feb-12	100%	4	0.00				
				Design	2008 Bond	7		Nov-10	Jul-11	Mends-Cole	Jun-11	Feb-12	100%	9	-0.50				
				Construction	2008 Bond	5	C	Jun-12	Oct-12	Guzman	Feb-12	Jul-12	100%	6	-0.25				
				08 Bond Funding															
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
	\$19,500.00	\$1,689,740.00	\$0.00	\$1,709,240.00		\$1,500,089.00	\$101,470.00	\$1,601,559.00	94%	\$107,681.00	\$0.00								
Total Project Cost				\$1,709,240.00		Remarks: December 2010 - Anticipate project startup in February 2011 for concept layout of fields and lighting. Mar 2011 - Project team assembled. Meeting with consultant to review RFP. Anticipate start of scope/design phase April 2011. June 2011 - Concept plan layout approved for two full size fields by project team and Providence Supervisor Athletic Team Task Force. Design documents underway. Sept 2011 Scope Approval scheduled to go before the PAB Nov. 2011. Anticipate construction in May 2012. Dec. 2011 - Project in for site plan permit approval. RFP was issued in Dec. to open-end contract vendor Atlas Track. Contract Award phase underway. March 2012 Project in construction phase. June 2012 - Project in construction phase. September 2012 - Substantial Completion Inspection held in August 2012. All Punchlist work has been completed. Last report.													
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Provi- dence	Oakton HS	Synthetic Turf Fields	Participate in Partnership to install synthetic turf at Oakton HS practice rectangular fields	Scope															
				Design															
				Construction	2008 Bond	3	C	Jun-13	Aug-13	Scott	Jun-13	Aug-13	100%	3	0.00				
				08 Bond Funding															
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
	\$0.00	\$115,277.00	\$115,277.00			\$ 115,277.00	\$ -	\$ 115,277.00			\$0.00								
Total Project Cost				\$115,277.00		Remarks: Park Authority Board approved funding in the amount of \$115,277.00 in May 2013 to participate in the Partnership to turf practice athletic fields at Oakton HS. FCPS completed project in August 2013. Last report													

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Provi- dence	Providence RECenter	Mechanical System Renovation	Replace 1-multizone unit, 3-rooftop units, 1-DX unit, and related piping and controls.	Scope	2008 Bond	6		Jul-08	Dec-08	Hardee	Jul-08	Feb-09	100%	8	-0.5	
				Design		3		Jan-09	Mar-09	Hardee	Mar-09	Aug-09	100%	6	-0.75	
				Construction		14	C	Apr-09	Nov-10	Hardee	Jul-09	Oct-10	100%	20	-1.5	
				08 Bond Funding												
Other Funding(s)		Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
		\$62,000.00	\$1,935,150.00	(\$820,000.00)	\$1,138,000.00	\$684,201.00	\$700,500.26	\$913.90	\$701,414.16	103%	-\$17,213.16	\$492,949				
Total Project Cost				\$1,177,150.00			Remarks: The project reached substantial completion on October 17, 2010, and is currently in the one year warranty period. The one year warranty inspection was held in October 2011. Final report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Provi- dence	Providence RECenter	Repair of Structural Damage	Design and construct repairs to the steel rigid frame roof girders located over the pool area.	Scope	2008 Bond	6		Dec-11	May-12	Hardee	Dec-12	May-12	100%	6	0.00	
				Design	2008 Bond	5		Jan-12	May-12	Hardee	Jan-12	May-12	100%	5	0.00	
				Construction	2008 Bond	4	C	Jun-12	Sep-12	Hardee	Jun-12	Sep-12	100%	4	0.00	
				08 Bond Funding												
Other Funding(s)		Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
		\$0.00	\$0.00	\$662,000.00	\$662,000.00	\$588,470.00	\$0.00	\$588,470.00	89%	\$73,530.00	\$0.00					
Total Project Cost				\$662,000.00			Remarks: Structural damage to the 5 rigid steel frame members above the pool at Providence RECenter was discovered during the investigation of the earthquake damage that occurred in August 2011. SWSG PC designed the addition of 32 tons of steel to reinforce the roof to comply with the snow load requirements of the current edition of the International Building Code. The Matthews Group was hired to complete the structural repair work under the County's job order contract. Work began on September 4th and reached substantial completion on September 30th. Warranty Phase through September 2013. Last Report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Provi- dence	Providence RECenter	Repair of Earthquake Damage	Design and construct repairs to the masonry, floor slabs, and finishes damaged by the earthquake.	Scope	2008 Bond/ Insurance	5		Dec-11	Apr-12	Hardee	Dec-12	Apr-12	100%	5	0.00	
				Design	2008 Bond/ Insurance	4		Jan-12	Apr-12	Hardee	Jan-12	Apr-12	100%	4	0.00	
				Construction	2008 Bond/ Insurance	4	C	May-12	Aug-12	Hardee	May-12	Aug-12	100%	4	0.00	
				08 Bond Funding												
Other Funding(s)		Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
		\$0.00	\$0.00	\$158,000.00	\$158,000.00	\$ 56,248.00	\$ 55,526.00	\$ 111,774.00	71%	\$46,226.00	\$0.00					
Total Project Cost				\$158,000.00			Remarks: On August 23, 2011 an earthquake hit the east coast causing the masonry that covers the columns supporting the roof at Providence RECenter to become loose creating a safety issue for patrons and staff. J. Roberts was contracted to remove the loose block so that the pool area could be reopened. SWSG PC was hired to perform an assessment and analyze the roof structure to determine the extent of damage. The damage was determined to be minimal as only the masonry was damaged. SWSG designed and inspected the repairs and the project is now under a one year warranty. Last report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Spring-field	Burke Lake	Replace Restroom Facility	Scope, design, permit, and construct new ADA compliant restroom facility in core area. Design only.	Scope	2008 Bond	5		May-11	Nov-11	Duncan	Jul-11	Oct-12	100%	4	0.25				
				Design	2008 Bond	12	C	Dec-11	Oct-12	Duncan	11-Dec	Dec-12	100%	12	0.00				
				08 Bond Funding															
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
				\$41,000.00	\$0.00	\$75,000.00	\$116,000.00		\$22,625.00	\$37,572.00	\$60,197.00	52%	\$55,803.00	\$0.00					
Total Project Cost					\$116,000.00	Remarks: June 2012 - Concept plan approved. Project in design phase. 100% reserve septic field as been approved by Health Dept. September 2012 - Scope Item going to the Park Authority Board for Approval on October 24, 2012. Anticipate submitting for Site Plan and Building Permits in October 2012. December 2012 - Bid set of plans are 99% complete. Project as been submitted for MSP and Building Permit as well as Health Department. Site permit issues with the Fire Marshall have been resolved and building permits can now be obtained. Anticipate bidding late Summer 2013 and construction beginning Fall 2013. The design and permitting phases have been completed. Construction is being funded by Fund 303. Last Report.													
Spring-field	Burke Lake & Golf Course	Train Track Replacement	Replace train track and related infrastructure	Scope	2008 Bond	6		Dec-09	May-10	Sheikh	Dec-09	May-10	100%	6	0.00				
				Design		7		Jun-10	Dec-10	Sheikh	Jun-10	Feb-11	100%	9	-0.50				
				Construction		15	C	Jan-11	Mar-12	Sheikh	Mar-11	Dec-11	100%	14	0.25				
				08 Bond Funding															
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
\$0.00	\$1,455,000.00	\$0.00	\$897,000.00		\$896,890.00	\$4,577.00	\$901,467.00	100%	-\$4,467.00	\$558,000.00									
Total Project Cost					\$1,455,000.00	Remarks: The scope was approved by PAB on May 26, 2010. The design has been completed . Construction contracts with the exception of Trestle repair are in place. Rails are scheduled to be delivered in August 2011, and replacement of the culverts is proceeding. The project reached substantial completion in December 2011, and the punch list items are being addressed. Project is under warranty. This is the last report.													
Spring- field	Greenbriar	Synthetic Turf Conversion Rectangular Field #5	Scope, design and construct (1) rectangular synthetic turf field.	Scope	2008 Bond	3		Nov-08	Jan-09	Mends- Cole	Nov-08	Feb-09	100%	4	-0.25				
				Design		5		Feb-09	May-09	Mends- Cole	Feb-09	Mar-09	100%	2	0.75				
				Construction		4	C	Jun-09	Sep-09	Mends- Cole	Apr-09	Aug-09	100%	5	-0.25				
				08 Bond Funding															
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
\$0.00	\$1,115,500.00	\$0.00	\$1,115,500.00		\$918,305.09	\$0.00	\$918,305.09	82%	\$197,194.91	\$0.00									
Total Project Cost					\$1,115,500.00	Remarks: Dec. 2008 - Project team assembled and kick off meeting held. Design phase is underway. Mar 2009 - Scope approval by PAB Feb. 2009. Design complete and in for permitting. RFP issued to open end contractor Mar. 2009 Anticipate issuing NTP end of May 2009. July 2009 - Substantial Completion Inspection scheduled for Aug. 4, 2009. Sept 2009 contractor has completed punchlist work. Awaiting final approval by site inspector. Project in 1 yr. warranty phase. December 2010 - 1 yr warranty inspection conducted. Final report for this project.													
Spring- field	Rolling Valley West	Athletic Field Lighting and Site Lighting Phase II	Replacement of athletic field and site lighting.	Scope	2006 Bond	3		Apr-11	Jun-11	LI	Apr-11	May-11	100%	2	0.25				
				Design		3		Jul-11	Sep-11	LI	Jun-11	Jul-11	100%	2	0.25				
				Construction	2008 Bond	6	C	Oct-11	Mar-12	LI	Aug-11	Mar-12	100%	10	-1.00				
				08 Bond Funding															
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation					
\$0.00	\$0.00	\$235,000.00	\$235,000.00	\$235,000.00	\$218,907.00	\$2,354.00	\$221,261.00	94%	\$13,739.00	\$0.00									
Total Project Cost					\$235,000.00	Remarks: September 2011 - Contract Award approved by PAB Sept. 2011 - NTP issued Oct. 2011 Dec. 2011 - Project in the construction phase. Anticipate completion in early Feb. 2012. March 2012 SCI held in March, punchlist work underway. June 2012 - Punchlist work complete. Project in 1 yr. warranty phase. December 2012 - Warranty Inspection conducted. This will be the last report for this project.													

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Spring- field	Twin Lakes Golf Course	Reconstruct North Dam Embankment & Outlet Structures	Design and reconstruct the north lake dam embankment and outlet structure.	Scope	2004 Bond	16		Jul-06	Nov-07	Lehman	Jul-06	Dec-07	100%	18	-0.50			
				Design		28		Dec-07	Mar-10	Sheikh	Jan-08	Jun-10	100%	30	-0.50			
				Construction	2008 Bond	18	C	Oct-12	Mar-13	Lynch	Jul-10	Jan-12	100%	19	-0.25			
					08 Bond Funding													
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
	\$533,773.00	\$1,746,000.00	(\$154,059.00)	\$2,279,773.00		\$1,729,315.00	\$22,166.00	\$1,751,481.00	77%	\$528,292.00	-\$154,059.00							
Total Project Cost						\$2,125,714.00	Remarks: Staff is working with a consultant who is preparing technical documents required by the Virginia Department of Conservation & Recreation in order to obtain an operation and maintenance permit for the North Lake. O&M permit is anticipated to be received by September 2013. DCR issued the North Lake O&M permit. Last report.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Spring- field	Twin Lakes Golf Course & Clubhouse	Golf Course/Clubhouse Expansion	Enlarge Oaks Room for additional dining capacity. Design only.	Scope	2008 Bond	6		Aug-11	Feb-12	Inman	Jul-11	Mar-12	100%	8	-0.50		
				Design	2008 Bond	12	C	Feb-12	Feb-13	Inman	Feb-12	Jan-13	100%	12	0.00		
				Construction													
					08 Bond Funding												
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation			
	\$0.00	\$0.00	\$154,059.00	\$154,059.00		\$73,521.00	\$62,474.00	\$135,995.00	88%	\$18,064.00	\$0.00						
Total Project Cost						\$154,059.00	Remarks: September 2011 - Project Team has been assembled. RFP to Design Consultant issued October 2011. January 2012 - Schematic design concepts presented December 2011. Concept pricing in progress. Scope to PAB for approval in Feb. 2012. March 2012 - 40% submission provided comments returned. June 2012 - Site and Buildings Permits in review process. 95% Construction Documents submitted. September 2012 - 1st submission of permit comments being addressed and prepared for resubmittal for both Site and Building Permits. December 2012 - Site Plan and Building Permit plans were re-submitted for approval. Consultant and staff finalizing bid set of documents. Anticipate bidding this project end of January 2013. Mar. 2013 project has been bid and contract awarded. NTP issued and construction to commence April 22, 2013. Construction status to be reported separately as a 2012 Park Bond project. Last report.										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Spring- field	Twin Lakes	Oaks Course Bunker Renovations	Reconstruction of the existing 56 bunkers utilizing "Better Billy Bunker" system to improve bunker playability and reduce the level of long term maintenance.	Scope	2008 Bond	4		Feb-14	May-14	Bhinge	Feb-14	May-14	100%	4	0	
				Design		1		Jun-14	Jul-14	Duncan	Jun-14	Jul-14	100%	1	0	
				Construction		5	C	Aug-14	Dec-14	Duncan	Aug-14	Oct-14	100%	3	0.5	
					08 Bond Funding											
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
	\$350,000.00															
Total Project Cost						\$350,000.00	Remarks: Total funding for Putting Green construction and Billy Bunker renovation is \$450,000. the contract was awarded to TDI International in the amount of \$329,424 in July 2014. Notice To Proceed was issued on August 1, 2014. The Construction is 95% completed. The Project is scheduled to be fully completed by October 2014. Project reached substantial completion on October 17, 2014. Project is in the One Year Warranty Period (through October 2015). No warranty issues to address and the project is now outside of the contract warranty period. Last report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Sully	Arrowhead	Infrastructure to support athletic fields	Road frontage improvements, streetlights, utilities, trails and landscaping. Complete approved site plan.	Scope		3		Oct-08	Dec-08	Holsteen	Oct-08	Nov-08	100%	2	0.25			
				Design		6		Jan-09	Jun-09	Sheikh	Dec-08	Jun-10	100%	19	-3.25			
				Construction	2008 Bond	6	C	Jul-09	Dec-09	Guzman	Jul-10	Aug-11	100%	14	-2.00			
					08 Bond Funding													
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation				
	\$18,270.00	\$688,700.00	\$0.00	\$706,970.00	\$652,150.00	\$574,885.00	\$17,781.00	\$592,666.00	91%	\$59,484.00	\$54,820.00							
Total Project Cost						\$706,970.00	Remarks: The project scope was approved by PAB on November 12, 2008. Issues with the utility relocation along Arrowhead Park Drive have been resolved. A request for a construction cost proposal under a County open-end contract was issued, and construction is scheduled to begin in May 2011. Notice to proceed with construction was issued on May 3, 2011. The project reached substantial completion in August. Contractor is correcting punch list items. Staff is finalizing the VDOT post-construction package to secure VDOT acceptance of the road frontage improvements. Project is ready for County Inspections to provide roadway construction completion letter which will then allow the CE-7 package to be submitted. Preparing package revisions requested by VDOT. VDOT inspection approvals have been granted. DPWES LDS inspector issued Letter 18 closing out the project. Last Report.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Sully	Flatlick SV	Grouped Trails: Flatlick SV	Asphalt 1300' new trail to extend new DPWES trail.	Land Acquisition	2008 Bond	6		Feb-11	Jul-11	Cline						
				Scope	2008 Bond	4	I	Sep-10	Jan-11	Cronauer						
				Design	2008 Bond	6		Feb-11	Jul-11							
				Construction	2008 Bond	6		Aug-11	Jan-12							
					08 Bond Funding											
Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation						
	\$0.00	\$162,500.00	\$0.00													
Total Project Cost						\$162,500.00	Remarks: Grouped Trails was approved by the PAB for scoping on March 24, 2010. Due to cash flow for park bond sales, funds for this project not available until 2011. This project will follow a stream bank restoration project by SWMD. That project was delayed because of funding problems. Start scoping process in June 2011 if SWM funding for their project is approved. DPWES confirmed they expect this funded in FY2012. Scope will be initiated when DPWES completes design (currently 65%) and funds construction of their portion. Last report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Sully	Sully Historic Site	Modular Visitor Center	Install modular visitor center and related infrastructure	Scope	2004 Bond/Proffers	6		Jan-09	Jun-09	Davis	Jan-09	Jan-10	100%	13	-1.75	
				Design	Mastenbrook TelCom Fees	30		Jan-10	Jun-12	Davis	Feb-10	May-13	100%	28	0.50	
				Construction	2008 Bond/Various	23	C	Jul-12	May-14	Davis	Jun-13	Jun-14	100%	13	2.50	
					08 Bond Funding											
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 08 Bond Allocation		
	\$144,110.00	\$0.00	\$299,650.00	\$443,760.00	\$443,760.00						\$0.00					
Total Project Cost						\$443,760.00	Remarks: Dec 2013 - Trailer delivered to site Dec. 3. Electrical Conduit is installed. Sanitary lateral in process of being installed. Fire Hydrant and water line installed. FF&E design and layout finalized. January 2014 - Trailer installed on pads Feb 2014 Sanitary lateral complete March 2014 Water and Electric lines to building installed, deck and ramp to trailer started. Building fit-out is complete. April flooring & telecom installed. May FF&E, brick walkway, majority of trailer punch list items completed. Final plumbing inspections approved. June - Fire Lane signage complete, fine grading around trailer started. Construction complete December 2014. Warranty Phase through September 2015. June 2015 - working with Landscape contractor for replacement trees.									

Planning & Development Division

(2012 Bond Funded Projects)

Second Quarter CY 2017

STATUS

A	Active Project
W/C	Warranty/Closeout Project
I	Inactive Project
C	Project Complete

SCHEDULE INDICATOR

G	Green - On schedule
Y	Yellow - Schedule delayed by two quarters or more
R	Red - Project stopped

FY 2017 Work Plan (7/2016 - 6/2017)

Actual

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Braddock	Monticello	Monticello - Develop Ph 1 of Park per Master Plan	Scope, design and construct phase 1 park facilities.	Scope	2012 Bond	23		Jul-14	May-16	Davis	Nov-14	May-16	100%	19	1	
				Design	2012 Bond	12	A	Jan-16	Dec-16	Davis	Jan-16		85%			Y
				Construction	2012 Bond	12		Jan-17	Dec-17	Davis						
				Other Funding(s)	12 Bond Funding											
				Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation			
				\$0.00	\$1,500,000.00	\$0.00	\$1,500,000.00	\$ 72,555.00	\$ 31,735.00	\$ 104,290.00	7%	\$1,395,710.00	\$0.00			
Total Project Cost				\$1,500,000.00		Remarks: Coordinating with DPWES Stormwater Planning Division for enhanced facilities. Feb 2015 - Project Team formation memo sent out. March 2015 - kick off team meeting held. Consultant preparing documents to vacate Guinea Road. June 2015 - Gametime working on playground design July 2015 - 50% plans received. Initial Skatepark layout received. August - Public meeting to be scheduled for Fall 2015. Further design work on hold until after meeting. Winter 2015 - Project on hold until Public Meeting is held on February 1, 2016 to share the 50% design drawings. February 2016 - Public Meeting held, no big issues came out of meeting. PAB scope approved in May 2016. Geotech work completed June 2016. 95% Design is due in August. 95% plans received September 2016. Plans submitted to county October 2016 as MSP. Due to RW/Comp plan comments from VDOT/FCD, plan revision required. Consultant authorized in March to proceed with plan revision and resubmit to LDS for permit. May 2017 - Waivers Submitted to FCDOT and VDOT, they have 60 days to review.										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Braddock	Wakefield	Cross County Trail- Pave trail in Wakefield	Pave 5,400 LF of existing gravel trail surface	Scope	2008 Bond	3		Apr-14	Jun-14	Govender	Aug-16	Jan-17	100%			
				Design	2008 Bond	7	A	Jul-14	Jan-15	Govender	Feb-17		50%			Y
				Construction	2008 Bond	6		Feb-15	Jul-15	Govender						
				Other Funding(s)	12 Bond Funding											
				Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation			
				\$0.00	\$400,000.00	\$0.00	\$400,000.00	\$ 97,125.00		\$ 97,125.00	24%	\$302,875.00	\$0.00			
Total Project Cost				\$400,000.00		Remarks: Public meeting to discuss project was held in October 2015 and met with public opposition. Staff addressed lifecycle cost issues and had meeting with Supervisor Cook on March 31, 2016, to get go-ahead to continue with project. Project Team Som Govender is the Project Manager. Preliminary scope is complete. Permit set is in progress.										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Braddock	Lake Accotink	Lake Accotink - Renovation and upgrades to park- to include infrastructure & other amenities		Scope				TBD		TBD						
				Design												
				Construction												
				Other Funding(s)	12 Bond Funding											
				Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation			
				\$0.00	\$1,000,000.00	\$0.00										
Total Project Cost				\$1,000,000.00		Remarks:										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Countywide	Countywide	Mastenbrook Grant		Construction	2012 Bond	60	A	Jul-14	Jul-19	Park Operations						
				Other Funding(s)	12 Bond Funding											
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding			Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation
					\$0.00	\$300,000.00	\$0.00									
Total Project Cost				\$300,000.00			Remarks:									
Countywide	Countywide	Signage and Branding		Scope	2012 Bond	24	A	Jul-13	Jul-15	Park Services						
				Other Funding(s)	12 Bond Funding											
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding			Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation
					\$0.00	\$400,000.00	\$0.00									
Total Project Cost				\$400,000.00			Remarks:									
Countywide	Countywide	Energy Management - upgrade lighting, control systems for RECenters and Golf	For existing facilities.	Construction	2012 Bond	60	A	Jul-14	Jul-19	Park Operations						
				Other Funding(s)	12 Bond Funding											
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding			Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation
					\$0.00	\$700,000.00	\$0.00									
Total Project Cost				\$700,000.00			Remarks:									
Countywide	Countywide	Energy Management - upgrade lighting, control systems for RECenters and Golf	Stewardship	Construction	2012 Bond	60	A	Jul-14	Jul-19	Park Operations						
				Other Funding(s)	12 Bond Funding											
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding			Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation
					\$0.00	\$300,000.00	\$0.00									
Total Project Cost				\$300,000.00			Remarks:									
Countywide	Countywide	Land Acquisition as approved by PAB in LA Work Plan		Land Acquisition	2012 Bond	60	A	Jul-13	Jul-18	McNeal	Jul-13					G
				Other Funding(s)	12 Bond Funding											
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding			Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation
					\$0.00	\$5,000,000.00	\$5,000,000.00				\$ 3,289,001.00	\$ -	\$ 3,289,001.00	66%	\$1,710,999.00	\$0.00
Total Project Cost				\$5,000,000.00			Remarks: Acquisition of the Roat property.									
Countywide	Countywide	Cultural Resource Funding - Cultural Landscape reports, Archaeological investigations		Implementation	2012 Bond	60	A	Jul-13	Jul-18	RMD						
				Other Funding(s)	12 Bond Funding											
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding			Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation
					\$0.00	\$1,000,000.00	(\$26,514.00)									
Total Project Cost				\$973,486.00			Remarks:									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Countywide	Countywide	Natural Capital Renovation/Natural Resource Management - funding to support Master Plans, Assessments, Management Plans and Treatment Plans		Implementation	2012 Bond	60	A	Jul-13	Jul-18	RMD							
				Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation			
				\$0.00	\$1,000,000.00	\$0.00											
Total Project Cost				\$1,000,000.00			Remarks:										
Countywide	Countywide	Grouped Playground Equipment Upgrade - Listed below		Scope	2012 Bond	66	A	Jul-13	Jan-19	Holsteen	Dec-13		10%			G	
			Design	2012 Bond	69		Apr-14	Jan-20									
			Construction	2012 Bond	68		Apr-15	Dec-20									
			Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
			\$0.00	\$1,000,000.00		\$1,000,000.00						\$1,000,000.00	\$0.00				
Total Project Cost				\$1,000,000.00			Remarks: Wickford Park is next priority project. PAB approved Surrey Square Park (3-25-15) as next highest priority. South Run is to follow Surrey Sq. Per 8-18-15 DLT mtg -Wilton Woods on hold, Hidden Pond and Huntsman deferred, Wakefield is next, then Brookfield. Wakefield complete. Hidden Pond underway.										
Countywide	Countywide	Grouped Playground Upgrade: South Run RECenter		Scope	2012 Bond	4		Nov-15	Feb-16	Holsteen	Nov-15	Apr-16	100%	6	-0.5		
			Design	2012 Bond	3		Mar-16	May-16	Holsteen	Apr-16	Feb-17	100%					
			Construction	2012 Bond	3	W/C	Jun-16	Aug-16	Holsteen	Mar-17	Jul-17	100%				G	
			Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
			\$0.00	\$500,000.00	\$0.00	\$500,000.00		\$ 15,890.00	\$ -	\$ 15,890.00	25%	\$484,110.00	\$0.00				
Total Project Cost				\$500,000.00			Remarks: Team Start-up memo complete. Scope item set for PAB 4-27-16. PAB approved. Construction underway. Anticipated completion by June 2017. Manufacture prod. delay. Shade permits complete 6-22-17, tot lot complete 6-25-17. Anticipate playground open 7-15-17.										
Countywide	Countywide	Grouped Playground Upgrade: Audrey Moore RECenter		Scope	2012 Bond	2		Sep-15	Nov-15	Rosend	Sep-15	Nov-15	100%	2	0		
			Design	2012 Bond	3		Dec-15	Feb-16	Rosend	Dec-15	Feb-16	100%	3	0			
			Construction	2012 Bond	3	C	Mar-16	May-16	Rosend	Mar-16	Jun-16	100%	4	-0.25			
			Other Funding(s)	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
			\$0.00	\$170,000.00	\$0.00	\$170,000.00		\$ 154,493.21	\$ -	\$ 154,493.21	91%	\$15,506.79	\$0.00				
Total Project Cost				\$170,000.00			Remarks: Project scope was approved in November 2015. Construction is scheduled for May 2016. Construction complete in June 2016. 1-yr. warranty walkthrough complete. Last report.										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Countywide	Countywide	Grouped Playground Upgrade: Brookfield Park		Scope	2012 Bond	2		Nov-15	Dec-15	Rosend	Nov-15	Mar-16	100%	4	-0.5			
				Design	2012 Bond	3		Jan-16	Mar-16	Rosend	Apr-16	Apr-16	100%	12	-2.25			
				Construction	2012 Bond	3	W/C	Apr-16	Jun-16	Rosend	Jul-16	Aug-16	100%	1	0.5	G		
				Other Funding(s)	12 Bond Funding													
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
	\$0.00	\$80,000.00	\$0.00	\$80,000.00	\$ 72,607.23	\$ -	\$ 72,607.23	91%	\$7,392.77	\$0.00								
Total Project Cost				\$80,000.00	Remarks: PAB approved scope in March. Design complete with construction anticipated to start in July. Construction complete in August 2016. In 1-yr. warranty (through August 2017).													
Countywide	Countywide	Grouped Playground Upgrade: Hidden Pond Park		Scope	2012 Bond	5		Jan-16	May-16	Villarreal	Dec-15	Apr-16	100%	5	0			
				Design	2012 Bond	3		Jun-16	Aug-16	Villarreal	May-16	Aug-16	100%	4	-0.25			
				Construction	2012 Bond	3	W/C	Oct-16	Dec-16	Villarreal	Mar-17	Jun-17	100%	4	-0.25	G		
				Other Funding(s)	12 Bond Funding													
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
	\$0.00	\$110,000.00	\$0.00	\$110,000.00	\$ 12,450.00	\$ -	\$ 12,450.00	11%	\$97,550.00	\$0.00								
Total Project Cost				\$110,000.00	Remarks: Team Start-up memo complete. April scope item was submitted. This project will be completed in conjunction with the Shelter and Parking Lot Improvements project. Design and of equipment and layout has been completed by PT. PO issued to Gametime, Inc for the playground equipment. Playground installation scheduled to start in May 2017. Playground installation completed June 2017 with Shelter and Parking Lot improvement to follow. Punch List completion expected July 2017.													
Countywide	Countywide	Grouped Trails - per Trail Strategy Plan - Listed below		Scope	2012 Bond	60	A	Jul-13	Jul-18	Cronauer						G		
				Design	2012 Bond	60		Jan-14	Dec-18	Cronauer								
				Construction	2012 Bond	78		Jan-14	Jun-20	Cronauer								
				Other Funding(s)	12 Bond Funding													
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
	\$0.00	\$2,200,000.00	\$0.00															
Total Project Cost				\$2,200,000.00	Remarks: out of 12 projects, 6 have been completed, 2 are in construction, 2 are in design or are waiting for additional funds for construction, and 2 have been eliminated. Unencumbered funds will be used to initiate unfunded projects.													
Countywide	Pohick SV	Grouped Trails - per Trail Strategy Plan - Liberty Bell to Burke Station Park - Design/permitting only	2,500 LF of 8' wide asphalt trail	Scope	2012 Bond	3		Sep-15	Nov-15	McFarland	Sep-15	Feb-16	100%	6	-0.75			
				Design	2012 Bond	17	A	Dec-15	Apr-17	McFarland	Mar-16		90%		G			
				Construction	2012 Bond			TBD	TBD									
				Other Funding(s)	12 Bond Funding													
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
	\$0.00	\$125,000.00	\$0.00	\$125,000.00	\$ 73,060.00	\$ 38,536.00	\$ 111,596.00	89%	\$13,404.00	\$13,404.00								
Total Project Cost				\$125,000.00	Remarks: Staff directed to apply for Recreational Trails Program grant for this project in August 2015. Staff awaited selection results prior to completing scope. Staff was notified in December 2015 that the project was not selected. Scope Board Item completed and approved in February 2016. CPA executed with Bowman Consulting in September 2016. 50% plans delivered on 12/6/16. Site review of alignment complete. Met with Heritage Square HOA in February 2017 and gave presentation on impact to neighborhood. HOA requested additional screening. 95% and 100% plan reviews complete Anticipate LDS permit submittal in 3rd Quarter 2017.													

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Countywide	Eleanor C. Lawrence	Grouped Trails - per Trail Strategy Plan - Cabells Mill Connection	1,700 LF new asphalt trail and bridge – needs easement 1,000 LF asphalt trail improvements and pedestrian road crossing 2,200 LF asphalt paving on existing gravel trail	Scope	2012 Bond	3		Aug-16	Oct-16	Cronauer	Aug-16	Sep-16	100%	2	0.25			
				Design	2012 Bond	20		Nov-16	May-17	Govender	Oct-16	Jan-17	100%	4	4			
				Construction	2012 Bond	7	W/C	Jun-17	Dec-17	Govender	Feb-17	Aug-17	100%			G		
				Other Funding(s)	12 Bond Funding													
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
	\$0.00	\$598,000.00	\$0.00	\$598,000.00	\$	129,518.00	\$	-	\$	129,518.00	22%	\$468,482.00	\$0.00					
Total Project Cost						\$598,000.00	Remarks: VDOT approved location of road crossing to the Walney pond, Masterplan to be updated to reflect new crossing, unsafe crossing location at Cabells Mill to be closed; Executed PO and issued construction NTP in March 2017. Construction in progress and anticipated completion in June, 2017. In warranty period.											
Countywide	Frog Branch SV	Grouped Trails - per Trail Strategy Plan - Frog Branch SV		Scope	2012 Bond	1	A	Jun-17	Jul-17	Cronauer	Jun-17	Jul-17	100%	1		G		
				Design	2012 Bond	2		Aug-17	Sep-17	Cronauer								
				Construction	2012 Bond	2		Oct-17	Dec-17	Cronauer								
				Other Funding(s)	12 Bond Funding													
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
	\$0.00	\$120,000.00	\$0.00	\$120,000.00	\$	-	\$	-	\$	-	0%	\$120,000.00	\$0.00					
Total Project Cost						\$120,000.00	Remarks: Anticipate start of construction September 2017.											
Dranesville	Colvin Run Mill	Restoration of Miller's House	Restore the Miller's House	Scope	2012 Bond	9		Oct-14	Jun-15	Duncan	Oct-14	Nov-15	100%	12	-0.75			
				Design	2012 Bond	12		Jul-15	Jun-16	Lynch	Dec-15	Jun-16	100%	7	1.25			
				Construction	2012 Bond	7	W/C	Jul-16	Jan-17	Lynch	Feb-17	Jun-17	100%	7	0	G		
				Other Funding(s)	12 Bond Funding													
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
	\$0.00	\$665,000.00	\$0.00	\$665,000.00	\$	109,221.26	\$	456,146.24	\$	565,367.50	85%	\$99,632.50	\$0.00					
Total Project Cost						\$665,000.00	Remarks: September 2014 - Team Formation letter was issued. December 2014 - The Team has been formed and a Kickoff meeting will be scheduled for February 2015. March 2015 - RFP for design services has been issued to SWSG. Team met onsite with the consultant to in detail outline the project scope and the requirements. September 2015: SWSG consultants has prepared options for the proposed ADA access and the historic treatment of the main entrance into the house. The project team will review the options and determine which options will be including in the project scope and scope estimate. Schedule will be revised to determine project scope to PAB for approval. The project team has agreed with the priorities and SWSG Consultants has been directed to provide exterior concept drawings and a detailed cost estimate based on the priorities. It is anticipated that the project team will approve the scope and staff will take it to the PAB for Scope approval in November. PAB approved the scope in November and staff is working on addressing ARB's comments. March 2016: ARB has been scheduled for May 12 to be held at Colvin Run Barn. Design was completed in June and submitted for permit in July. Permit obtained in Septemebr. HITT contracted. Work to start in late Feb 2017. Work completed June 2017. Currently under warranty period.											
Dranesville		Area 1 Maintenance Facility Renovation Scope & Design Only		Scope	2012 Bond	12	A	Dec-15	Dec-16	Inman	Dec-15		50%			Y		
				Design		7		Jan-17	Jul-17	Inman								
				Construction														
				Other Funding(s)	12 Bond Funding													
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
	\$0.00	\$200,000.00	\$0.00	\$200,000.00	\$	2,680.00	\$	-	\$	2,680.00		\$197,320.00	\$0.00					
Total Project Cost						\$200,000.00	Remarks: December 2015 - Project Team initiated and Identified. Kickoff meeting to be scheduled in January. March 2016 - Due to staff schedule project postponed to start in summer 2016. June 2016 - Kickoff meeting occurred. Project team has compiled initial program requirements for the project to prepare the request for proposal from A/E services. September 2016 - Samaha submitted proposal in September. A/E kickoff mtg. scheduled October 2016. December 2016 - A/E team performed survey of site, developed project program, and produced 2 initial schematic design options. A 3rd option is being explored. Project team to reachout to Citizen Assoc. to discuss meeting house future use for planning project. March 2017 - Citizen association was in support of the project concept. SD package due in April. will start 2232 process with SD package. DD phase to CA RFP to be sent to A/E in April to continue the project design. June 2017 - The SD package came in over budget. Team worked with the A/E and Park Operations to reduce scope and cost of the project. An RFP has been sent for redesigned SD to CA phase scope of work. Upon completion of on budget SD phase PAB item to be prepared and 2232 process to start.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Dranesville	Langley Forks	Athletic Field Upgrades	Upgrades to the existing athletic fields.	Scope				TBD		TBD									
				Design															
				Construction	2012 Bond														
				Other Funding(s)	12 Bond Funding		PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation					
				Original Amount	Debit/Credit														
\$0.00	\$500,000.00	(\$150,000.00)																	
Total Project Cost					\$350,000.00		Remarks:												
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Lee	Historic Huntley	Historic Huntley Site Restoration - Phase II Tenant House	Renovate tenant house for visitor center.	Scope	2012 Bond	6		Jul-14	Dec-14	Duncan	Jul-14	May-15	100%	10	-1.00				
				Design		3		Jan-15	Mar-15	Duncan	Jun-15	16-Mar	100%	9	-1.50				
				Construction		12	W/C	Apr-15	Mar-16	Lynch	16-Apr	17-Mar	100%	9	0.75	G			
				Other Funding(s)	12 Bond Funding		PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation					
				Original Amount	Debit/Credit														
\$830,619.00	\$300,000.00	\$0.00	\$1,130,000.00		\$ 255,365.18	\$ 703,265.83	\$ 958,631.01	85%	\$171,368.99	(\$830,000.00)									
Total Project Cost					\$1,130,619.00		Remarks: Scope Team was assembled and the Scope Team Kickoff Meeting has occurred. On November 12, 2014 an RFP was sent to SWSG Consultants for assistance with the project scope and design. On December 16, 2014 a proposal was received and is currently being reviewed by PDD staff. SWSG Consultants have been contracted to assist with project scope, design and construction. April 2015-SWSG and the Project Team led by RMD staff is currently corresponding with VDHR and the Architectural Review Board concerning several critical issues including construction of the garage to store the cart used for accessibility to the historic site. September 2015: The proposed plans went to the July 2015 meeting of the Architectural Review Board (ARB). The ARB essentially approved the proposed rehabilitation plans in July but will formally approve at the September 2015 meeting. The Consultant and staff will provide additional information requested by the ARB including the historical paint analysis requested. The ARB asked for a change in the roof design for the garage and requested additional information regarding the proposed gutters and windows. Staff and SWSG Consultants are preparing the requested information to present to the ARB at the October Meeting. The ARB formally approved the proposed plans in November. The bid drawings have been completed and were submitted for permit January 4, 2016. March 2016: Permit has been approved. Bid drawings are completed and request for proposal has been sent to the general contractor. A Pre-proposal meeting has been scheduled for April 13, 2016. July 2016 HITT proposal has been submitted reviewed and negotiated to reduce the cost proposal. Purchase Order has been sent to the Park Authority Director for signature. Construction is scheduled to start in August 2016. 10/13/16 Construction is underway. As part of the project RMD performed an archeology excavation once the floor was removed and discovered some artifact believed to be from the 1830's to 1850's. Demolition is ongoing. 12/13/16 Work is continuing with floor framing complete, masonry work on the exterior nearing completion, wall framing in progress and the garage addition underway. Anticipated completion by May 2017. House Project is Substantial Complete. Currently working under separate contract the ADA Access. Scheduled to complete May 2017. Work actually completed March 2017. Work under warranty.												
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Lee	Lee District	Lee District Family Recreation Area - Phase 3	Prepare site and install new carousel	Scope	2012 Bond	6		Jul-14	Dec-14	Lynch	Jan-15	Jun-16	100%	18	-3.00				
				Design	2012 Bond	12		Jan-15	Dec-15	Lynch	Jun-16	Sep-16	100%	4	2.00				
				Construction	2012 Bond	15	W/C	Jan-16	Mar-17	Lynch	Oct-16	Jun-17	100%	4	2.75	G			
				Other Funding(s)	12 Bond Funding		PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation					
				Original Amount	Debit/Credit														
\$0.00	\$1,000,000.00	\$0.00	\$1,000,000.00		\$ 108,254.41	\$ 29,999.93	\$ 138,254.34	14%	\$861,745.66	\$0.00									
Total Project Cost					\$1,000,000.00		Remarks: Project Team is being assembled for the scoping phase. Project scope is being developed. RFP to be sent to consultant by end of October 2015 to create documents needed for scope development. Consultant will be given Notice To Proceed in January 2016. Project team has reviewed and approved the Concept Plan. Scope approval scheduled for June 2016. Project elements purchased separately. Site and Building permit obtained. Fabrication of carousel continues. Site work has started. Scheduled to complete early Summer. Work complete and under warranty. Ribbon cutting was 07/08/2017.												

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Mason	John C & Margaret White Gardens	Phase 1 - Build internal trail network and repair driveway	Design and construct a trail system and repair driveway	Scope	2012 Bond	8		Feb-15	Sep-15	Boston	Apr-15	Jul-16	100%	16	-2.00		
				Design	2012 Bond	9		Oct-15	Jun-16	Boston							
				Construction	2012 Bond	12	A	Jul-16	Jun-17	Davis	Mar-17		50%			G	
				Other Funding(s)	12 Bond Funding												
				\$0.00	\$500,000.00	\$0.00	\$500,000.00	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation	\$0.00	
Total Project Cost				\$500,000.00		Remarks: Project Team Kickoff meeting held July 16, 2015. Follow up meeting to determine scope October 14, 2015. Project is currently in scoping phase. Public Meeting Held at Supervisor Gross' office. Scope Approval July 2016. Natural & Cultural Resources Investigation and Management is in progress. July 2016 working with RMD to identify trail and hydrant locations. February 2017 - Trail work complete. Driveway repair is anticipated for completion in May. June 2017 - gravel placed on driveway. Asphalt drive to be paved in July.											
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Mason	Pine Ridge	Convert to Synthetic Turf	Scope, design and convert existing rectangular field #6 to synthetic turf.	Scope	2012 Bond	3		Apr-15	Jun-15	Mends-Cole	Apr-15	Aug-15	100%	5	-0.50		
				Design	2012 Bond	8		Jul-15	Feb-16	Mends-Cole	Oct-15	Apr-16	100%	6	0.50		
				Construction	2012 Bond	6	W/C	Mar-16	Aug-16	Mends-Cole	Jun-16	Aug-16	100%	3	0.75	G	
				Other Funding(s)	12 Bond Funding												
				\$120,000.00	\$810,000.00	\$0.00	\$930,000.00	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation	(\$120,000.00)	
Total Project Cost				\$930,000.00		Remarks: Convert existing natural turf field to synthetic surface. Team formed, and working a prelim cost estimate. Team meeting at site with Consultant. Received Consultant Proposal September 17, 2015. Park Authority Board scope approval May 2016. Construction commenced in June 2015 and completed 9/2. Punch List is complete. Warranty phase.											
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Mt. Vernon	McNaughton	McNaughton Fields	Renovate diamond fields and infrastructure. Construction only.	Scope													
				Design													
				Construction	2012 Bond	18	W/C	Nov-15	Apr-17	Emory	Sep-15	Nov-16	100%	15	0.75	G	
				Other Funding(s)	12 Bond Funding												
				\$392,038.00	\$4,000,000.00	\$0.00	\$4,392,038.00	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation	(\$392,038.00)	
Total Project Cost				\$4,392,038.00		Remarks: Site Plan 1st submission review is complete by Fairfax County LDS. Burgess & Niple has received 2nd submission approval from outside agencies and will resubmit to Fairfax County LDS in early January 2015. Bids were opened on December 1, 2015 with Scheibel Construction as the low bidder. Notice to Proceed was issued on January 4, 2016 to begin the submittal process with construction scheduled to start February 1, 2016. Staff is coordinating new utility service with Dominion and Fairfax Water. Construction began on February 1, 2016 and is approximately 90% complete with sodding, landscaping, and parking lot construction ongoing. Staff is partnering with DPWES - Stormwater Planning to reforest the 55' electrical easement that will be vacated as part of the project. Construction is 90% complete with Substantial Completion scheduled for November 1, 2016. Substantial Completion was reached on November 1, 2016. Punchlist work is complete.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Providence	Oak Marr Golf	Improvement per NGF - driving range improvement	Driving range drainage improvements	Scope	2012 Bond	25		Mar-14	Mar-16	Lynch	Jan-14	Mar-16	100%	27	-0.50	
				Design	2012 Bond	12	A	Apr-16	Mar-17	Emory	Apr-16		60%			G
				Construction	2012 Bond	12		Apr-17	Mar-18	Emory						
				Other Funding(s)	12 Bond Funding		PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation		
				Original Amount	Debit/Credit											
\$1,500,000.00	\$322,000.00	\$0.00	\$1,822,000.00	\$ 35,459.15	\$ 142,934.33	\$ 178,393.48	10%	\$1,643,606.52	(\$1,500,000.00)							
Total Project Cost				\$1,822,000.00		<p>Remarks: Project Team is being assembled for the scoping phase. Project scope is being developed. A golf course consultant has been hired to prepare a concept plan and preliminary cost estimate for improvements to the driving range. Project team met with the consultant on site to discuss options within budget for improving drainage on the driving range. Site staff is visiting other driving range facilities to evaluate some of the options that were discussed. The consultant is preparing a conceptual plan for improvements to the driving range based on input from the project team. A golf course consultant was hired to prepare a concept plan and preliminary cost estimate for the improvements to the driving range based on input from the project team. Concept Plan is scheduled to received by end of November 2015. The concept Plan has been completed and Park Authority Board approval of the project scope is scheduled for March 2016. Project scope was approved by the PAB in March 2016 and budget increased to \$1.8M. RFP has been issued for design and permitting services. Pennoni was awarded the contract for design. The consultant is preparing the permit/construction plans for project team review with 50% plans submitted February 2017. After the 50% review, the team determined additional geotechnical borings would be required to identify depths of asbestos rock. These borings are expected to be complete in April 2017 with the 95% design drawings submitted in June 2017.</p>										
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Springfield	Burke Lake & Golf	Driving Range Improvements	Scope, design and construct a 2 story driving range facility.	Scope	2012 Bond	15		Apr-15	Jun-16	Inman	Apr-15	15-Dec	100%	9	1.50	
				Design	2012 Bond	6		Jul-16	Dec-16	Inman	Jan-16	Apr-16	100%	4	0.50	
				Construction	2012 Bond	13	A	Feb-17	Feb-18	Garris	Apr-16	17-Apr	100%	4	2.25	G
				Other Funding(s)	12 Bond Funding		PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation		
				Original Amount	Debit/Credit											
\$5,700,212.00	\$2,450,000.00	\$26,514.00	\$7,226,726.00	\$ 3,258,241.47	\$ 5,763,108.80	\$ 9,021,350.27	110%	(\$844,624.27)	(\$5,726,726.00)							
Total Project Cost				\$8,176,726.00		<p>Remarks: June 2012 - Concept Design Package completed. September 2012 - Project on hold pending evaluation of unsolicited PPEA. December 2012 - Project on hold pending review of re-submitted unsolicited PPEA. Mar 2013 - project continues to be reviewed by the PPEA Team. PPEA proposal has been deemed to meet the County criteria. PPEA project has been publicly advertised by the County. Discussions with proposer are on-going. June 2013 - PPEA team awaits proposal by he PPEA proposer. Several meetings have occurred to discuss the project and proposers needs for them to generate detailed proposal. Expect detailed PPEA proposal by February 1, 2014. March 2014 - Detailed proposal received and initial review comments generated. Comments to be shared with proposer. June 2014 - Proposer addressing comments. FCPA awaits response from proposer. September 2014 - Proposer is addressing FCPA's comments. FCPA awaits response from proposer. Deadline for the complete submission was set for October 20th. December 2014 - Proposer is addressing FCPA's comments. FCPA awaits response from proposer. Deadline for the complete submission is set for January 15th 2015. March 2015 - PPEA declined. RFP issued for continuation of Concept design to permit. June 2015 - Consultant under contract. Schematic design started. Citizen meeting to be in early September. September 2015 - Site design underway. Building design started. The citizen meeting was held. There was a large amount of support for the project. Schematic design to be completed in October. December 2015 - SD set submitted. Scope Item submitted for January. DD set in process to be complete in January. Site utilities meeting ongoing; IT meetings to start in January; Citizen mtg. in February. March 2016 - Burke Lake Sanitary Sewer Outfall out to bid with a planned bid opening on April 6, 2016. Golf Course Expansion permit drawings submitted and in review. 95% CD/Bid documents developed for Mid-April advertisement for bid. June 2016 - Bid Opening on June 14, 2016. The lowest bid received of seven bids exceeded project budget. Staff is negotiating reduction/revisions to project scope elements. Funding approved and construction contract awarded July 2016. Sept 2016 - NTP Issued July 28, 2016 for Phase 1.1. ADI Construction mobilizing and installing 32 space parking lot stormwater feature as part of Phase 1.1 construction. NTP Issued on October 4, 2016 for Phase 1.2/2. Dec 2016 - ADI Construction completed Phase 1.1 Parking Lot Addition on schedule. Phase 1.2/2 NTP was issued on Oct 4, 2016 as scheduled. Footing and foundation for both the driving range and clubhouse is approx. 95% complete. Foundation walls for the clubhouse are underway. Structural steel for the driving range arrived on December 16, 2016. March 2017 - Foundation walls for CH complete and preparation for SOG underway. Site Utilities are 80% complete. Driving Range and Cart Storage Bldge. Phase 1.2 has been completed and Substantial Completion Inspection will be conducted in April. Facility scheduled to open April 15, 2017. June 2017 - Ribbon-cutting ceremony held on May 13, 2017. Punch List work for Phase 1.2 Driving Range underway. See Burke Lake Clubhouse for update of Clubhouse and Stage 2 Site Work 2008 Bond Funded Project.</p>										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Springfield	Hidden Pond Nature Center	New shelter, expansion of parking lot, and add lights	Scope, design and construct shelter and parking lot improvements	Scope	2012 Bond	6		Jul-14	Dec-14	McFarland	Aug-14	Mar-15	100%	7	-0.25			
				Design	2012 Bond	12	A	Jan-15	Dec-15	Boston	Mar-15	Jan-17	100%	17	-1.25			
				Construction	2012 Bond	15	A	Jan-16	Mar-17	Boston	Jan-17		60%			G		
				Other Funding(s)	12 Bond Funding													
				\$0.00	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
Total Project Cost					\$1,020,999.00													
				Remarks: 1st Scope Team Meeting in August 2014. Team agrees to 60 car and 3 bus space lot and a new shelter with a 50 person capacity. CPA with Pacculli Simmons executed for concept plans and stormwater calculations for scope cost estimate. Concept Plan delivered November 2014. Team reviewed concept plan and selected a preferred layout option. DPWES Stormwater expressed an interest in completing enhancement work. Met with Stormwater on site in December to discuss options. Delayed board item due to Stormwater coordination. Consultant to provide separate proposal for Stormwater enhancement design work. Scope approved by PAB on March 25 2015. CPA approved for Minor Site Plan with Paculli Simmons March 2015. Held meeting May 2015 with Friends of Hidden Pond to discuss plans. Staff agreed to conduct a public meeting prior to proceeding any further with plans. Meeting held September 2015 with Friends group to discuss possible shelter locations. Follow up meeting held in November. Staff agreed to complete second concept plan showing the shelter in the existing playground location and the playground moved to the east of the parking lot. Presented revised concept plan March 2016. Consultant provided 50% plans May 2016. 95% Plans comments returned September 2016. 100% Plans submitted to LDS on 10/21/16. Obtain permit in Feb. and started construction in March 2017. Playground installation scheduled to start in May 2017. Shelter and Parking Lot improvement will follow.														
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Sully	Historic Centreville	Phase I Signage	Design and install signs.	Construction		10	W/C	Oct-13	Jul-14	Davis	Nov-13	Aug-16	100%	33	-5.75	G		
				Other Funding(s)	12 Bond Funding													
				\$0.00	Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
Total Project Cost					\$150,000.00													
				Remarks: Sign design completed in Nov. 2013. Project Team is determining final sign locations. Feb - 2014 - final location and sign types decided working on purchasing options. Vendors have been issue a request for proposal to install signage. Sept 2014 - PO approved for signage manufacture and installation. November 2014 - Final sign locations marked in the field, some signs resized to better fit the site. Signs to be installed in March 2015. March 2015 - All signs installed except for kiosk. April 2015 - Kiosk installed. May 2015 - Working on resizing Historic Centreville Park sign to better fit into the site. July - PR rejected by Purchasing, advised to use eVA process. September - request consultant for proposal to prepare documents to resize sign so we can put the project on eVA. October 2015 - resized plans received from consultant. December 2015 - revised plans received, looking at options to procure the sign and install the final sign. March 2015 - Working with staff from ELCP on interpretive signage and monument sign location. September 2016 - Monument sign installation completed. June 2017 - RMD is still working on interpretive signs. P&D portion of project is complete.														

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Sully	Sully Woodlands	Environmental Education Center	Design and construct an approx. 6,000 SF Stewardship Education Center in the Sully Woodlands.	Scope	2012 Bond	13	A	Feb-16	Feb-17	Inman	Feb-16		35%			Y	
				Design	2012 Bond												
				Construction													
				Other Funding(s)	12 Bond Funding												
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding		Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation		
				\$0.00	\$3,250,000.00	\$0.00											

Remarks: Remarks: September 2012-Project Kickoff meeting scheduled 10/23/2012. December 2012 - Project team has met several times to determine self-sustaining program budget. RMD currently developing programming for three probable sites to include operational budget for each scenario for team review in late January 2013. Mar 2013 - Project Team working on financial self-sustaining programming analysis. June 2013 - Team writing and preparing initial feasibility study report summarizing initial findings. September 2013 - RMD staff is exploring alternative design solutions based on operational budget constraints. December 2013 - RMD staff is exploring alternative design solutions based on operational budget constraints. March 2014 - Meetings with Hal Strickland and the director's office were held and it was determined that SEC was to encompass a working lab. FCPA RMD staff confirmed that currently there is no funding available to cover the operating costs of running the facility. FCPA will reach out to the public to seek possible partnership opportunities for operating the Stewardship Education Center. Staff will engage a design team thru an RFP to assist with the community outreach and partnership solicitation process in order to better define the SEC program. June 2014 - A/E RFQ solicitation was issued. RFQ packages due in August. September 2014 - RFQ packages received and are being evaluated by the Selection Advisory Committee. December 2014 - Based on the proposal submissions and oral interviews, Selection Advisory Committee has made their recommendation and the notification letter has been issued to the highest ranking consultant team. FCPA awaits the financial package. The RFP has been drafted and will be issued end of January 2015. March 2015 - Financial package received and rates negotiated to meet county requirements. Proposal received and is currently being reviewed/negotiated. June 2015 - GWWO declined to continue negotiations due to standard agreement language. Quinn Evans Architects submitted and approved financials and standard agreement language. RFP has been issued and is currently in negotiations. September 2015 - Proposal received and negotiated. Contract package currently being completed for approval. December 2015 - Contract package approved. Kickoff meeting scheduled end of January 2016. March 2016 - Kickoff meeting held. Project team evaluating and defining services and experiences that the SEC will contain. Partnership outreach to follow. Site selection; E. C. Lawrence. Schedule will be updated based on the coordination with Master Plan process. June 2016 - Masterplan public meeting was held in June. Team compiled potential partners list and finalized outreach preparation efforts. Potential partner outreach to begin in August. September 2016 - Potential partners contacted and invited to Potential PartnerPublic Outreach Charrette in mid-September. Big turnout and ideas shared. Team to continue conversation to develop relationships and start space programming phase. December 2016 - The partnership outreach has not produced any major partners but many smaller partnership opportunities. The team prepared a space program based on ECL staff moving to this facility and allowing for sharing meeting/classroom space with various little organizations for various class/program use. The A/E team has refined the program and has started the financial analysis of the current program. March 2017 - A draft of the Final Phase I Report was received and is in review by the team.; Includes partner outreach, programming, and financial analysis. June 2017 - Team met to reduce scope of project to align better with the bond funding and projected revenues. Revised scope to be more of an "Outdoor Learning" facility with covered and sheltered but not "conditioned" space. Large subdividable space rather than museum-like space. The Admin. space removed from scope and smaller "conditioned" core space provided for bathrooms, kitchenette, orienting space. Met with Directors team for acceptance of new direction. A/E RFP being generated for adjusted scope from SD to CA.

Total Project Cost \$3,250,000.00

Active Projects - Subtotal \$40,651,500.00

2012 Bond Funding - Future Year Projects

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Mt. Vernon	Laurel Hill	Laurel Hill Development		Scope													
				Design													
				Construction													
				Other Funding(s)	12 Bond Funding												
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding		Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation		
				\$0.00	\$3,300,000.00	\$0.00											
Total Project Cost				\$3,300,000.00			Remarks:										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Providence	Hartland Road	Hartland Road Prk - Develop Phase I		Scope													
				Design													
				Construction													
				Other Funding(s)	12 Bond Funding												
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding		Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation		
				\$0.00	\$285,000.00	\$0.00											
Total Project Cost				\$285,000.00			Remarks:										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Springfield	Patriot	Expansion of Patriot Park	Design for park expansion.	Scope	2012 Bond														
				Design	2012 Bond														
				Construction															
				Other Funding(s)	12 Bond Funding														
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation					
	\$0.00	\$1,000,000.00	\$0.00																
Total Project Cost								\$1,000,000.00		Remarks:									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Sully	Sully Woodlands	Phase 1 Signage		Scope															
				Design															
				Construction															
				Other Funding(s)	12 Bond Funding														
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation					
	\$0.00	\$250,000.00	\$0.00																
Total Project Cost								\$250,000.00		Remarks:									
Future Year Projects - Subtotal								\$4,835,000.00											

2012 Bond Funding Completed Projects

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Countywide	Countywide	Grouped Playground Upgrade: Wickford Park		Scope	2012 Bond	7		Jan-14	Jul-14	Holsteen	Feb-14	Oct-14	100%	9	-0.5				
				Design	2012 Bond	3		Aug-14	Oct-14	Holsteen	Oct-14	Jun-15	100%	9	-1.5				
				Construction	2012 Bond	4	C	Nov-14	Feb-15	Holsteen	Oct-14	Sep-15	100%	11	-1.75				
				Other Funding(s)	12 Bond Funding														
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation					
	\$0.00	\$144,750.00	\$0.00	\$144,750.00	\$ 100,070.88	\$ -	\$ 100,070.88	69%	\$44,679.12	\$0.00									
Total Project Cost								\$144,750.00		Remarks: Project team mtg complete. Scope approval to PAB in October. Playground consultant is designing the playground. Mobile Crew demolished the existing playground due to unsafe conditions. Construction scheduled for spring 2015. Playground plans under review. Purchase order processed. Precon scheduled for 8/13/15. Playground complete 9-30-15. Under 1 Yr Warranty period thru October 2016. 1Yr Warranty Inspection Complete. Last report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator			
Dranesville	Lewinsville	MYS/MYF Construction Development Agreement Synthetic Turf Conversion Fields 2012-2013	Scope, design and construct reconfigured fields #2 and #3 and convert to synthetic turf; add athletic field lighting	Scope	2012 Bond	2		Mar-13	Apr-13	Mends-Cole	Mar-13	Apr-13	100%	2	0				
				Design	2012 Bond	2		May-13	Jun-13	Mends-Cole	May-13	Jun-13	100%	2	0				
				Construction	2012 Bond	5	C	Jul-13	Nov-13	Guzman/LI	Jul-13	Oct-13	100%	4	0.25				
				Other Funding(s)	12 Bond Funding														
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation					
	\$1,800,000.00	\$0.00	\$150,000.00																
Total Project Cost								\$1,950,000.00		Remarks: September 2012 - Scope and design phases were completed. Bidding and contract award with NTP issued July 1, 2013. Enhanced stormwater improvements were requested by DPWES who is funding these improvements, and were included in the bid documents. Project in the construction phase. Substantial Completion October 20, 2013, with Ribbon Cutting held October 26, 2013. Warranty Phase is complete. Last Report.									

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator
Dranesville	Springhill RECenter	RECenter Expansion - Renovate approximately 5,000 sq. ft. of existing floor space	Renovate the locker room, showers, family changing rooms, and the lobby area.	Construction	2012 Bond	15	C	Jan-14	Feb-15	Emory	Aug-14	Jan-15	100%	6	2.25	
				12 Bond Funding		PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation			
				Other Funding(s)	Original Amount									Debit/Credit		
Total Project Cost					\$832,962.00	\$1,300,000.00		\$2,132,962.00		\$ 2,121,030.55	\$ -	\$ 2,121,030.55	99%	\$11,931.45	(\$832,962.00)	
				Remarks: Keller Brothers, Inc. was awarded a contract to complete the expansion and renovation work. Notice to Proceed was issued on September 5, 2013. Interior renovation work and renovations to the locker rooms was completed during the building shutdown from August 18, 2014 through September 26, 2014 and the 1-year warranty period is complete with no outstanding warranty-related issues. The cabana work was completed on November 1, 2014 and the 1-year warranty period is complete with no outstanding warranty-related issues. The renovation of the existing fitness center began on December 1, 2014 and the 1-year warranty period is complete with no outstanding warranty-related issues. Last report.												
Dranesville	Springhill RECenter	Expansion and Gym Addition	Construct a 2-story fitness center addition and gym with an elevated track.	Construction	2012 Bond	21	C	Oct-13	Jun-15	Emory	Sep-13	Dec-14	100%	16	1.25	
				12 Bond Funding		PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation			
				Other Funding(s)	Original Amount									Debit/Credit		
Total Project Cost					\$0.00	\$8,600,500.00		\$8,600,500.00		\$ 7,974,624.27	\$ 179,209.90	\$ 8,153,834.17	95%	\$446,665.83	\$0.00	
				Remarks: Keller Brothers, Inc. was awarded a contract for \$7,111,000 to complete the expansion and renovation work. Notice to Proceed was issued September 5, 2013. Contractor is now substantially complete on the new expansion and punch list repairs are ongoing. Ribbon cutting ceremony was held January 10, 2015. Project has completed the 1-year warranty phase and the correction of items noted on the 1-year warranty walkthrough held December 3, 2015 is complete. Last Report.												
Hunter Mill	South Lakes High School	Partnership to convert to synthetic turf and install lighting	Partnership with FCPS to convert practice field to synthetic turf and install lighting	Construction	2012 Bond	3	C	Jun-13	Aug-13	Garris	Jun-13	Aug-13	100%	3	0	
				12 Bond Funding		PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation			
				Other Funding(s)	Original Amount									Debit/Credit		
Total Project Cost					\$0.00	\$1,088,000.00	\$0.00	\$967,883.00	\$849,603.00	\$ 849,603.00	\$ -	\$ 849,603.00		\$967,883.00	\$120,117.00	
				Remarks: Reference PAB 4/24/13. FCPS requested and were transferred \$849,603 for this project. FCPA provided funding only to this project. Project completed in August 2013. Last Report.												
Hunter Mill	Old Courthouse Spring Branch SV	Grouped Trails - per Trail Strategy Plan - Ashgrove Lane Trail Improvements	Rebuild 375 LF asphalt trail	Scope	2012 Bond	2		Feb-14	Mar-14	Cronauer	Feb-14	Mar-14	100%	2	0	
				Design	2012 Bond	9		Jan-14	Sep-14	Cronauer	Apr-14	May-14	100%	2	1.75	
				Construction	2012 Bond	6	C	Oct-14	Mar-15	Cronauer	May-14	Aug-14	100%	3	0.75	
				12 Bond Funding		PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation			
Other Funding(s)	Original Amount	Debit/Credit														
Total Project Cost					\$16,480.40	\$118,000.00	\$0.00		\$134,480.40	\$ -	\$ 134,480.40	100%	\$0.00	(\$16,480.40)		
				Remarks: Scope approved March 12, 2014. Notice to proceed to EQR for construction was given on May 14, 2014. Construction started on June 30, 2014. Substantial completion date: August 7, 2014. Final completion date: October 23, 2014. Last report.												
Hunter Mill	Lake Fairfax	Water Mine Expansion		Construction	2012	17	C	Mar-14	Jul-15	Lynch	Mar-14	Jul-15	100%	17	0	
				12 Bond Funding		PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation			
				Other Funding(s)	Original Amount									Debit/Credit		
Total Project Cost					\$747,740.00	\$5,155,000.00	\$0.00	\$5,837,740.00	\$5,902,740.00	\$ 5,154,998.70	\$ -	\$ 5,154,998.70	87%	\$747,741.30	(\$747,740.00)	
				Remarks: Scheibel Construction was awarded a contract for \$4,429,000 to complete the expansion work. Notice to Proceed was issued on October 2, 2014. Construction is approximately 50% complete. Substantial completion is scheduled for July 2015. Project is substantially complete with punch list work ongoing. Ribbon cutting scheduled for August 1, 2015. Project Complete. Currently under warranty phase through July 2016. Additional improvements are being planned for the facility to be constructed during the winter. Construction of an accessible shade area along the perimeter of the original Water Mine facility has been completed. Two large rentable cabanas were installed. Replacement feature for the Miner House and an additional platform for the Active Pad will be completed by summer. Project Complete. Warranty period ended July 2016. Last report.												

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Lee	Greendale Golf	Improvements per NGF, including event pavilion	Golf Course drainage improvements	Scope	2012 Bond	3		May-14	Jul-14	Li	May-14	Jul-14	100%	3	0			
				Design	2012 Bond	3		Aug-14	Oct-14	LI	Aug-14	Oct-14	100%	3	0			
				Construction	2012 Bond	3	C	Nov-14	Mar-15	LI	Nov-14	Apr-15	100%	5	-0.5			
				Other Funding(s)	12 Bond Funding													
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
	\$0.00	\$642,000.00	\$0.00															
Total Project Cost				\$642,000.00			Remarks: Scope approval July 2014. Construction Notice to Proceed issued November 2014. Contractor has completed 3 holes through 12/31/14. Substantial completion was held on April 6, 2015. Warranty phase time through April 2016. Last report.											
Mason, Lee, Providence	Jefferson, Pinecrest, & Greendale Golf Courses	Group Golf Renovation - replace cart paths and irrigation Systems	Jefferson - Cart Path Replacement; Pinecrest - Design and install a replacement irrigation system - Complete; Greendale GC - Design and install a replacement irrigation system	Scope	2012 Bond	36		Jan-13	Dec-15	Fruehauf	Jan-13	Dec-15	100%	36	0			
				Design	2012 Bond	48		Jan-13	Dec-16	Fruehauf	Jun-13	Dec-15	100%	30	4.5			
				Construction	2012 Bond	60	C	Jul-13	Jun-18	Li	Oct-13	Jul-16	100%	34	6.5			
				Other Funding(s)	12 Bond Funding													
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
	\$0.00	\$1,500,000.00	\$0.00	\$924,000.00						\$576,000.00								
Total Project Cost				\$1,500,000.00			Remarks: Project team met to discuss the project scope on April 9, 2013. PAB scope approval on April 24, 2013. CPA was issued to design consultant on May 14, 2013. Project bid opening was on September 19, 2013. Construction Contract for replacing the irrigation system at Pinecrest Golf Course was approved on October 2, 2013. Contractor has mobilized and is currently installing the main water distribution line. The construction for Pinecrest Golf Irrigation started October 2013. Substantial completion on April 21, 2014. Warranty Phase through April 2015 for Pinecrest GC. Greendale GC Irrigation 50% Plan review was completed in December 2014. Irrigation consultant is revising the plans for 100% review. Greendale GC Irrigation project is going to bid in May 2015. September 2015: Bids were received in mid June 2015 and George E. Ley Co was the lowest and only bidder. Staff is in the process of finalizing the contract package. Contract is award to George Ley on 9/16/15. Pre-construction meeting is schedule on 10/1/15. Construction started on October 1, 2015. The construction work completed. Final Report.											
Mt. Vernon	Grist Mill	Partnership to convert existing field to synthetic turf and redesign parking lot.	Scope, design and convert existing field to synthetic turf and renovate parking lot.	Scope	2012 Bond	3		Jul-14	Oct-14	Mends-Cole	Sep-14	Apr-15	100%	7	-1.00			
				Design	2012 Bond	8		Nov-14	May-15	Mends-Cole	Nov-14	May-15	100%	6	0.50			
				Construction	2012 Bond	6	C	Jun-15	Dec-15	Mends-Cole	Jun-15	Sep-15	100%	4	0.50			
				Other Funding(s)	12 Bond Funding													
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
	\$208,944.00	\$950,000.00	\$0.00	\$1,158,800.00	\$ 1,152,733.26	\$ 5,286.64	\$ 1,158,019.90	100%	\$780.10	(\$208,800.00)								
Total Project Cost				\$1,158,944.00			Remarks: Project team met with the consultant and DPWES SPD in September 2014 to discuss scope of work. Consultant to provide initial layout and enhanced stormwater management benefits spreadsheet for review. Park Authority Board scope approval April 2015. Construction commenced in June 2015 and completed by 9/9. Substantial Completion achieved September 9, 2015. Project is in 1-year warranty (through September 2016). Final Report.											
Providence	Oak Marr	Fitness Expansion - Renovate 5,000 SF of existing floor space	Renovate 5,000 SF of existing floor space at Oak Marr RECENTER as part of the Oak Marr Fitness Center Expansion	Construction	2012 Bond	18	C	May-13	Nov-14	Garris	May-13	Aug-14	100%	15	0.75			
				Other Funding(s)	12 Bond Funding													
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
					\$0.00	\$600,000.00	\$0.00	\$600,000.00						\$0.00				
Total Project Cost				\$600,000.00			Remarks: September 2013 - NTP was issued May 13, 2013. Phase I & II have been under renovation from May 2013 thru October 4th. SCI for Phase I & II was issued October 4, 2013. Phase III work has commenced. December 2013 - Punch list work ongoing for Phase I & II. Apr 2014 - Punch List work ongoing for Phase I & II primarily control desk and entrance vestibule. June 2014- Control Desk Work has been accomplished as well as the punch list work associated with the entrance vestibule. Proposed Child Care Room (from Phase I&II) has been completed in Phase III. Still outstanding punch list work to be completed approx. 90% complete. Sept 2014 - Phase I and Phase II punch list on-going approx. 95% complete. December 2014-the project is completed. Warranty Phase through August 2015. Sept 2015 - 1 Yr. Warranty Inspection Scheduled. Oct 2015 - Warranty Inspection Conducted and Punch List Work Completed. Project is closed out. Final report.											

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Providence	Oak Marr RECenter	10,000 sq. ft. Fitness Expansion	Construct a new two story addition of 10,000 sq. ft. for fitness and programming	Construction	2012 Bond	18	C	May-13	Nov-14	Garris	May-13	Aug-14	100%	15	0.75		
				Other Funding(s)	12 Bond Funding		PAB Approved Cost		Revised Funding		Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation	
				\$387,061.00	\$4,100,000.00	\$0.00	\$4,100,000.00										\$0.00
Total Project Cost						\$4,487,061.00	Remarks: September 2013 - NTP was issued May 13, 2013. SCI for Phase I & II was issued October 4, 2013. Phase III work has commenced. December 2013 - Foundation footings & walls 80% complete. Foundation waterproofing and drainage underway. Structural steel erection for multipurpose room #2 80% complete. All structural steel has been fabricated and is stored on site. Contractor submitted a "Recovery Project Schedule" which indicates that the project is currently on schedule. Recovery Schedule considered a 6 day work week/10 hr. work days for the interior work activities. Overall project is 40% complete. Apr 2014 - Project progress has been impacted by intense weather over the last 3 mos. Contractor is preparing a revised Recovery Schedule. Structural steel 100% erected with Upper Level concrete slabs completed. Interior partitions underway as well as upper level electrical, plumbing and mechanical work. Lower level slab on grade was partially poured with remaining concrete placement being impacted by weather conditions. Brick veneer at radius wall has started. RTU's were set. June 2014 - Project is 88% complete with a target SCI of August 5th. Contractor is completing interior finishes to include floors, painting, cabinets etc. Startup and Commissioning of HVAC is well underway. Final Special Inspections Certifications have been signed and transmitted to Building Inspector. Anticipate turnover to OM Staff on August 18th for install of fitness equipment. Soft opening scheduled for Sept. 4th and Open House scheduled for September 6th. Ribbon Cutting Ceremony scheduled for October 18th. September 2014 - SCI conducted on August 5, 2014 with punch list. Turned over to OM Staff on August 18th for install of fitness equipment. Soft Opening was held on September 4th. Ribbon Cutting Ceremony scheduled for October 18th. Punch list work on-going with punch list approx. 65% complete. December 2014-the project's punch list is 90% complete. Warranty Phase through August 2015. March 2015 - the project's punch list is 95% complete. Warranty Phase through August 2015. Sept 2015 - 1 Yr. Warranty Inspection Scheduled. Oct 2015 - Warranty Inspection conducted and Punch List completed. Project is closed out. Final report.										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Springfield	Rolling Valley West	Synthetic Turf Conversion	Scope, design and convert existing rectangular field #2 to synthetic turf.	Scope	2012 Bond	3		Mar-14	Jun-14	Mends-Cole	Nov-13	April-14	100%	3	0		
				Design	2012 Bond	5		Jul-14	Dec-14	Mends-Cole	Dec-13	May-14	100%	5	0		
				Construction	2012 Bond	8	C	Jan-15	Sep-15	Mends-Cole	Nov-14	May-15	100%	6	0.5		
				Other Funding(s)	12 Bond Funding		PAB Approved Cost		Revised Funding		Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation	
				\$0.00	\$810,000.00	\$0.00	\$810,000.00										\$0.00
Total Project Cost						\$810,000.00	Remarks: Project team met November 14, 2013 on-site to discuss the project site. Consultant has submitted fee proposal for field improvements. Staff is working with DPWES to determine feasible enhanced stormwater improvements. A separate fee proposal will be submitted for SWM improvements to be funded by DPWES. Design 95% complete, and soon be submitted for County review. Received cost proposal for construction. Negotiations underway. Start of Construction will not proceed until November 16, 2014. Notice to proceed issued on 11/16/14. Work is proceeding, field is on grade, base stone has been installed. All work complete except parking and trail paving delayed due to weather. Expect to pave week of May 4th 2015. Substantial Completion achieved May 5, 2015. Warranty period is complete with no outstanding warranty-related issues. Last report.										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator	
Springfield	Twin Lakes	Oaks Room and additional putting green	Construct approx. 3,100 SF addition to the Oaks Room including enlarged kitchen and practice putting green. Upgrade existing septic system.	Construction	2012 Bond	12	C	Mar-13	Mar-14	Duncan	Apr-13	Mar-14	100%	12	0		
				Other Funding(s)	12 Bond Funding		PAB Approved Cost		Revised Funding		Expenditure to Date	Reservation/ Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation	
				\$284,059.00	\$1,000,000.00	\$0.00	\$1,284,059.00										(\$284,059.00)
Total Project Cost						\$1,284,059.00	Remarks: Contract was awarded to J. Roberts Inc. in the amount of \$757,000. Notice to Proceed was issued on April 22, 2013. Masonry foundation, exterior walls/sheathing has been completed. January 2014 - The building project is substantially complete. The punch list work is currently underway and will be completed by mid-February 2014. The practice putting green RFP has been sent out to two design teams and proposals have been received. Paciulli Simmons and W.R. Love Inc. will be providing the design and construction administration services. Staff is currently putting together the CPA for the design was issued on February 23, 2014. A kick off meeting was held with the consultant, and the consultant provided the concept plan on March 24, 2014. Comments have been provided to the consultant and the detailed design is in process. June 2014-the putting green and the bunker renovation project design was completed. Bid was posted in May and a pre-proposal meeting was held on June 5th. Bids were received on June 24th. Future project updates for the putting green will be included under the Twin Lakes Oaks Course Bunker Renovations project in the FY15 Work plan. A One Year Warranty Inspection was held for the Twin Lakes Oaks Room Addition on January 20, 2014. J. Roberts Inc. has completed corrective work during the One Year Warranty period but is currently working with staff and the mechanical engineer to address ongoing issues with the HVAC systems. Final report.										

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Sully	Arrowhead	Synthetic Turf Conversion	Scope, design and convert two existing rectangular fields at Arrowhead Park to synthetic turf.	Scope	2012 Bond	3		Jan-15	Mar-15	Mends-Cole	Jan-15	Apr-15	100%	3	0			
				Design	2012 Bond	6		Apr-15	Sep-15	Garris	Apr-15	May-15	100%	1	1.25			
				Construction	2012 Bond	8	C	Oct-15	Jun-16	Regotti	Jun-15	Aug-15	100%	3	1.25			
				Other Funding(s)	12 Bond Funding													
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
	\$0.00	\$1,647,500.00	\$0.00	\$1,647,500.00	\$ 1,644,837.56	\$ 2,662.00	\$ 1,647,499.56	100%	\$0.44	\$0.00								
Total Project Cost				\$1,647,500.00		Remarks: Project team met with the consultant and DPWES SPD in September 2014 to discuss scope of work. Consultant to provide initial layout and enhanced stormwater management benefits spreadsheet for review. Park Authority Board scope approval April 2015. Construction commenced in June 2015 and will be completed in September 2015. September 2015: Project is substantially complete. Completion of punch list items is currently underway. Final completion is anticipated in end of September 2015 to beginning of October 2015. December 2015: Project was completed in September 2015. July 2016: The one year warranty work is currently being performed. It is anticipated that the warranty work will be completed in August 2016. Warranty Period completed. Last report.												
DISTRICT	PARK	PROJECT	DESCRIPTION	Sub tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Actual Duration (in Mos)	Actual vs. Planned Duration (in Qtrs)	Schedule Indicator		
Sully	Eleanor C. Lawrence	Synthetic Turf Conversion	Scope, design and convert existing rectangular field #3 to synthetic turf.	Scope	2012 Bond	3		Jan-13	Mar-13	Mends-Cole	Jan-13	Apr-13	100%	4	-0.25			
				Design	2012 Bond	3		Apr-13	Jun-13	Mends-Cole	May-13	Jun-13	100%	2	0.25			
				Construction	2012 Bond	9	C	Jul-13	Mar-14	Mends-Cole	Jul-13	Nov-13	100%	5	1			
				Other Funding(s)	12 Bond Funding													
					Original Amount	Debit/Credit	PAB Approved Cost	Revised Funding	Expenditure to Date	Reservation/Encumbrance	Total Cost to Date	% Expended to Date	Balance of Project Funding	Balance 12 Bond Allocation				
	\$0.00	\$825,000.00	\$0.00															
Total Project Cost				\$825,000.00		Remarks: Conversion of Field 3 to synthetic turf will be combined with replacement of synthetic turf on Field #2 to gain economy of scale. December 2012 - Project team formation letter distributed. Park Bond was approved in November 2012. Scope Approval to PAB April 2013. Field #3 will be converted to synthetic turf and put in service before field #2 is closed for turf replacement. Field 3 Construction NTP issued August 29, 2013. Field 3 was substantially complete on November 11, 2013. Field has been released for scheduled use. Warranty Phase through November 2014. Warranty Phase Complete. Last Report												
Completed Projects - Subtotal					\$17,513,500.00													
2012 Bond Program Total					\$63,000,000.00													

Planning & Development Division

(FY2017 Sinking Fund Projects)

Second Quarter CY 2017

STATUS

A	Active Project
W/C	Warranty/Closeout Project
I	Inactive Project
C	Project Complete

SCHEDULE INDICATOR

G	Green - On schedule
Y	Yellow - Schedule delayed by two quarters or more
R	Red - Project stopped

FY 2017 Work Plan (7/2016 - 6/2017)

Actual

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub-tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Total Project Scope Budget (\$)	Total Project Cost (\$)	Schedule Indicator
Braddock	Wakefield	Audrey Moore RECenter Family Changing Room and Bleacher Replacement.	Design for new family changing room and replacement of the natatorium and gym bleachers.	Scope	800-C80300	6		Jul-16	Dec-16	Regotti	Jul-16	Jan-17	100%			
				Design	800-C80300	6	A	Jan-17	Jun-17	Villarroel	Jan-17		5%			G
				Remarks: 10/13/16 Consultant is under contract to provide schematic design drawings and rough order of magnitude cost estimate for review. Site staff determined a need for more than just one additional changing room and staff is negotiating pricing with the consultant for design documents. 50% design expected September 2017.												
Countywide	RECenters	Elevator Replacements	Evaluate, design and replace existing elevators for the selected RECenters as funding remains available. Construction only for Lee District and Audrey Moore	Scope	800-C80300	6		Jul-16	Dec-16	Emory	Jul-16	Nov-16	100%			
				Design	800-C80300	6		Jan-17	Jun-17	Emory	Nov-16	Mar-17	100%			
				Construction	800-C80300	19	A	Jun-17	Dec-18	Emory	Jun-17		20%	\$ 500,000		G
				Remarks: SWSG has been contracted to perform design and permitting services with their elevator sub-consultant, Vertran. SWSG has submitted a recommendation list of replacement/repair items for each of the five RECenters (AM, Lee, Prov, SH, SR) with a cost estimate for each and the project team will meet in late October to determine the selected scope. AM and Lee have been deemed the priorities for construction in 2017 in conjunction with pool shutdowns. Scope item approved by PAB in February 2017. 95% plans have been submitted to FCPA for review for AM and Lee with submission to LDS planned for late January 2017. Design on Providence, SH, and SR will continue with 95% plans due in early spring 2017. Plans for AM and Lee were submitted to LDS in January 2017 and approved for AM. Lee was resubmitted with a modification in March 2017. Bids were opened on March 28, 2017 with Quality Elevator the apparent lowest bidder. Construction is planned to start in August 2017 and be complete in October 2017 for both elevators.												
Countywide	RECenters	Pool Filter Replacement Design.	Existing conditions evaluation, scope development and design for future pool filter replacements. Construction only for Oak Marr	Scope	800-C80300	6		Jul-16	Dec-16	Emory	Jul-16	Nov-16	100%			
				Design	800-C80300	6		Jan-17	Jun-17	Emory	Nov-16	Mar-17	100%			
				Construction	800-C80300	3	A	Aug-17	Oct-17	Emory	Aug-17			\$ 220,000		G
				Remarks: SWSG has been contracted to perform concept design with their pool sub-consultant, Water Technology, Inc. to provide four concepts for each RECenter (Lee, OM, SR) with a cost estimate for the team to select sand versus regenerative media filters and backwash to storm versus sanitary. Concepts are due in late October for team review and selection. The filter at Spring Hill is in design after the team selected a sand filter to be backwashed to storm with the 50% design due in November 2016. The team elected to remove Lee from the project and to move forward with sand filters at Oak Marr and South Run. Scope item schedule for PAB approval in February 2017. 95% plans for Oak Marr were submitted in January 2017 and submission to Fairfax County LDS in March 2017. A quote request was sent to the county's open end pool contractor in March 2017. 95% plans for Spring Hill are under team review and 95% plans for South Run are expected in April 2017.												
Dranesville	Spring Hill RECenter	Building Envelope Improvements	Design for repair of exterior masonry, dryout and refinish exterior walls, replace membrane roofing and replace translucent skylights.	Scope	800-C80300	6	A	Jul-16	Dec-16	Villarroel	Aug-16		75%	\$ 100,000		Y
				Design	800-C80300	6		Jan-17	Jun-17	Villarroel						
				Remarks: RFP was issued to HGA for the building entrance enhancements and exterior wall evaluation, currently negotiating fees. Staff met with Garland Company in January 2017 to evaluate roof. Garland Company submitted a report with findings and cost estimates in March 2017. Staff is reviewing the report and providing recommendations.												
Dranesville	Spring Hill RECenter	Natatorium Bleacher Replacement	Replace the telescoping bleachers in the natatorium.	Scope	800-C80300	6		Jul-16	Dec-16	Rosend	Jul-16	Aug-16	100%	\$ 75,000		
				Construction	800-C80300	2	W/C	Sep-16	Nov-16	Rosend	Sep-16	Nov-16	100%			G
				Remarks: Bleachers are delivered but waiting for permit approved to install. Old bleachers have been removed. Bleacher replacement complete and punch list work is complete. Project is in the 1-yr warranty period through November 2017.												
Mason	Pinecrest Golf Course	Indoor Driving Range Renovation	Upgrade the indoor driving range to include a launch monitor/simulator.	Scope	800-C80300	4		Jul-16	Oct-16	Rosend	Jul-16	Jul-17	100%	\$ 100,000		
				Design	800-C80300	2	A	Nov-16	Dec-16	Rosend	Dec-16	Aug-17	100%			Y
				Construction	800-C80300	12		Jan-17	Dec-17	Rosend						
				Remarks: Project team is evaluating preliminary design and cost estimate. Team is evaluating two concepts with their associated cost estimates. Concept selection to be complete January 2017. SWSG is working on the 95% submission set. PAB scope item planned for July 2017. Construction expected Fall 2017												

Planning & Development Division
(FY2017 General County Construction Fund)
Second Quarter CY 2017

STATUS	
A	Active Project
W/C	Warranty/Closeout Project
I	Inactive Project
C	Project Complete

SCHEDULE INDICATOR	
G	Green - On schedule
Y	Yellow - Schedule delayed by two quarters or more
R	Red - Project stopped

FY 2017 Work Plan (7/2016 - 6/2017)

Actual

DISTRICT	PARK	PROJECT	DESCRIPTION	Sub-tasks	Funding	Phase Duration (in Mos)	Status	Start Date	End Date	PM	Start Date	End Date	% Complete	Total Project		Schedule Indicator	
														Scope Budget (\$)	Project Cost (\$)		
Mason	Roundtree Bridge	Trails/Bridges	Replace bridge that was removed.	Construction	300-C30010	6	W/C	Jul-16	Dec-16	Boston	Oct-16	Mar-17	100%	\$ 69,595	\$ 69,595	G	
				Remarks: Bridge delivery set for December 2016. Bridge delivered to Area 2 Maintenance Shop. Substantial Completion March 24, 2017.													
Providence	Nottoway Park	Parking Lots/Roadways	Repave entry road, updated firelane signage, restripe and 1-ft stone shoulder.	Construction	300-C30010	6	W/C	Jul-16	Dec-16	Bahrami	Jul-16	Nov-16	100%	\$ 500,584		G	
				Remarks: Paving scheduled to begin the second week of November. Paving complete in November 2016 and the project is in the 1-year warranty period.													
Springfield	South Run SV Bridge	Trails/Bridges	Replace wooden bridge.	Construction	300-C30010	6	W/C	Jul-16	Dec-16	Boston	Jul-16	Apr-17	100%	\$ 69,595	\$ 69,595	G	
				Remarks: . Bridge delivered to Area 2 Maintenance Shop. Procurement underway for construction contract with Accubid. Substantial completion April 7, 2017.													

Committee Agenda Item
September 13, 2017

INFORMATION

Monthly Contract Activity Report

The Monthly Contract Activity Report lists all contract activities in support of the Capital Improvement Program (CIP) authorized during July-August 2017 in value over \$100,000. The report lists professional services and construction activities to include awards made via competitive bidding as well as awards made through the use of open-ended contracts. An activity is reported when procurement begins and is listed on the report until a Notice to Proceed (NTP) is issued.

ENCLOSED DOCUMENTS:

Attachment 1: Monthly Contract Activity Report

STAFF:

Kirk W. Kincannon, Executive Director
Aimee L. Vosper, Deputy Director/CBD
Sara Baldwin, Deputy Director/COO
David Bowden, Director, Planning and Development Division
Paul Shirey, Manager, Project Management Branch
Mohamed Kadasi, Project Coordinator, Project Management Branch
Andy Miller, Project Coordinator, Project Management Branch
Janet Burns, Senior Fiscal Administrator
Michael P. Baird, Manager, Capital and Fiscal Services

Professional Services:					
	Firm Name	Amount	Funding Source	Scope of Services	NTP
Mt Vernon RECenter Renovation and Expansion (update)	Ritter Norton Architects	\$318,000	PR-000005-032	Design services for Mt Vernon RECenter Renovation and Expansion	7/24/17
Open End Geotechnical Engineering and Related Services Contract	DMY Engineering Consultants, Inc. ECS Mid-Atlantic, LLC	Determined as individual projects are identified	Determined as individual projects are identified	Geotechnical Engineering and related services required to accomplish projects within the Park Authority's Capital Improvement Program	7/12/17
Hartland Green Park Development	Christopher Consultants	TBD	PR-000009-013	Design Services	