

STORMWATER MANAGEMENT: STREAMS AND WATER QUALITY PROGRAM

10 YEAR CATEGORY SUMMARY (in \$1,000s)

	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	10 Year Total
1. Concord Mews Pond Retrofit	250	1,545	0	0	0	0	0	0	0	0	1,795
2. Green Streets & Infrastructure Program	375	235	425	435	435	445	445	460	460	475	4,190
3. Gulf Branch and South Walter Reed Green Streets	540	0	0	0	210	0	0	0	0	0	750
4 Gulf Branch Stream Resiliency	800	2,320	0	0	0	0	0	0	0	0	3,120
5. Quebec Street Outfall Rehabilitation	450	0	0	0	0	0	0	0	0	0	450
6. Outfall Rehabilitation Program	925	1,725	1,305	875	1,475	1,510	1,510	1,555	1,555	1,595	14,030
7. Sparrow Pond Watershed Retrofit	450	0	0	0	0	0	0	0	0	0	450
8. Stream Resiliency Program	250	260	2,915	275	3,000	280	3,080	290	3,165	295	13,810
9. Washington Boulevard Pond Retrofit	0	155	795	0	0	0	0	0	0	0	950
10. Water Quality Project Feasibility & Concept Design	150	155	160	165	165	170	170	175	175	175	1,660
Total Recommendation	4,190	6,395	5,600	1,750	5,285	2,405	5,205	2,480	5,355	2,540	41,205

CATEGORY FUNDING SOURCES (in \$1,000s)

	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	10 Year Total
New Funding											
Federal Funding	540	0	0	0	210	0	0	0	0	0	750
State Funding	0	0	1,750	0	0	0	0	0	0	0	1,750
Developer Contributions	0	0	0	0	0	0	0	0	0	0	0
New Bond Issue	0	155	795	1,335	4,825	2,045	4,955	2,180	5,105	2,285	23,680
PAYG	0	0	0	0	0	0	0	0	0	0	0
Short Term Finance	0	0	0	0	0	0	0	0	0	0	0
Stormwater Utility Fee Revenue	640	1,165	80	165	0	110	0	50	0	5	2,215
Other Funding	450	250	250	250	250	250	250	250	250	250	2,700
Subtotal New Funding	1,630	1,570	2,875	1,750	5,285	2,405	5,205	2,480	5,355	2,540	31,095
Previously Approved Funding											
Authorized but Unissued Bonds	2,560	4,825	2,725	0	0	0	0	0	0	0	10,110
Issued but Unspent Bonds	0	0	0	0	0	0	0	0	0	0	0
Other Previously Approved Funds	0	0	0	0	0	0	0	0	0	0	0
Subtotal Previously Approved Funding	2,560	4,825	2,725	0	0	0	0	0	0	0	10,110
Total Funding Sources	4,190	6,395	5,600	1,750	5,285	2,405	5,205	2,480	5,355	2,540	41,205



1. CONCORD MEWS POND RETROFIT

Project Highlights:

- Project will restore the function of an existing 50-year-old dry detention pond and address public safety, flood storage and nuisance concerns.
- The project, located adjacent to the County's Department of Human Services Facility, supports the County's regulatory requirements under its Municipal Separate Storm Sewer System (MS4) permit.
- The project supports Biophilic Cities goals with its location adjacent to heavily used W&OD Trail.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

Douglas Park
Green Valley

New Funding	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Previous Funding											
Authorized but Unissued Bonds	250	1,545									1,795
Total Funding	250	1,545	0	0	0	0	0	0	0	0	1,795
Operating Impact	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Non-Personnel (\$)		15	15	15	15	15	10	10			95
Bond Financing Costs											
Total Impact	0	15	15	15	15	15	10	10	0	0	95

Critical Milestones:

- Design Spring 2025
- Construction Spring 2026

Changes from Prior CIP:

Timing of expenditures has pushed out one year from the previous CIP.

Project Links:

- Concord Mews Pond Restoration: <https://www.arlingtonva.us/Government/Projects/Project-Types/Environment-Projects/Concord-Mews-Pond-Restoration>



2. GREEN STREETS & INFRASTRUCTURE PROGRAM

Project Highlights:

- This program includes re-construction and enhancement of existing stormwater ponds to improve water quality performance and "green streets" streetscape bioretention systems. A green street is a stormwater management approach that incorporates vegetation (perennials, shrubs, trees), soil, and engineered systems (e.g., permeable pavements) to slow, filter, and cleanse stormwater runoff from impervious surfaces (e.g., streets, sidewalks). Green streets are designed to capture rainwater at its source, where rain falls. The projects within this program help offset the continued increase in impervious cover in our community.
- This program helps the County address the nutrient and sediment reduction requirements of its MS4/Chesapeake Bay Total Maximum Daily Load (TMDL) regulatory mandate.
- This program contributes to the County's overall resiliency to climate change by reducing heat island impacts and providing storage for stormwater and supports Biophilic Cities goals.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

VARIOUS

New Funding	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
New Bond Issue				435	435	445	445	460	460	475	3,155
Previous Funding											
Authorized but Unissued Bonds	375	235	425								1,035
Total Funding	375	235	425	435	435	445	445	460	460	475	4,190
Operating Impact	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Non-Personnel (\$)	5	10	20	30	45	45	45	45			245
Bond Financing Costs											
Total Impact	5	10	20	30	45	45	45	45	0	0	245

Changes from Prior CIP:

Funding has decreased from the previous CIP based on a lower number of projects planned annually in FY 2026 - FY 2034.



3. GULF BRANCH AND SOUTH WALTER REED GREEN STREETS

Project Highlights:

- Four streetscape green infrastructure projects will be installed in the Gulf Branch Watershed downstream of Military Road; these projects will contribute to the watershed approach for Gulf Branch. Two additional projects will be installed on South Walter Reed Drive in coordination with street improvements.
- A green street includes a rain garden and vegetated area along a street that reduces run-off and filters out pollutants to protect our local streams, the Potomac River, and the Chesapeake Bay. Green Streets help address environmental and regulatory stormwater needs.
- This project provides Municipal Separate Storm Sewer System (MS4) and Chesapeake Bay Total Maximum Daily Load (TMDL) credit for the 2nd permit cycle.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

Arlington Heights
Bellevue Forest
Penrose

New Funding	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Federal Funding	540				210						750
Previous Funding											
Total Funding	540	0	0	0	210	0	0	0	0	0	750
Operating Impact	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Non-Personnel (\$)	15	15	15	15	15	15	15	15			120
Total Impact	15	15	15	15	15	15	15	15	0	0	120

Critical Milestones:

- Design South Walter Reed Facilities Fall 2024
- Construction Summer 2024 (GB) and Fall 2028 (S Walter Reed)

Project Links:

- Gulf Branch Green Streets:
<https://www.arlingtonva.us/Government/Projects/Project-Types/Environment-Projects/Gulf-Branch-Green-Streets>

Changes from Prior CIP:

Timing of expenditures has pushed out two years from the previous CIP. Project description has been modified to reflect the expanded project scope of work awarded federal grant funding.



4 GULF BRANCH STREAM RESILIENCY

Project Highlights:

- Project improves 2,500 linear feet of Gulf Branch stream to provide for the long-term resiliency above Military Road.
- Project addresses severe erosion, outfall repair, and sanitary sewer crossing protection.
- Project will also protect Gulf Branch Nature Center.
- Priority project for Chesapeake Bay Total Maximum Daily Load (TMDL) credits.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

Bellevue Forest
Gulf Branch
Old Glebe

New Funding	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Previous Funding											
Authorized but Unissued Bonds	800	2,320									3,120
Total Funding	800	2,320	0	0	0	0	0	0	0	0	3,120
Operating Impact	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Non-Personnel (\$)		5	5	5	5	5					25
Bond Financing Costs											
Total Impact	0	5	5	5	5	5	0	0	0	0	25

Critical Milestones:

- Final design Winter 2025
- Construction Summer 2025 - Spring 2026

Project Links:

- Project web site:
<https://www.arlingtonva.us/Government/Projects/Project-Types/Environment-Projects/Gulf-Branch-Stream-Project>

Changes from Prior CIP:

The timing of expenditures has pushed out one year from the previous CIP.



5. QUEBEC STREET OUTFALL REHABILITATION

Project Highlights:

- This project will rehabilitate the outfall and address slope erosion on Quebec Street adjacent to the Dover Run Pumping Station.
- The July 2019 storm caused acute damage to this outfall.
- This project may supply Chesapeake Bay Total Maximum Daily Load (TMDL) credits.

Associated Plan(s):

Storm Water Master Plan

Funding Notes: Other funding is interest income											
New Funding	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Other Funding	450										450
Previous Funding											
Total Funding	450	0	0	0	0	0	0	0	0	0	450
Operating Impact	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Total Impact	0	0	0	0	0	0	0	0	0	0	0

Critical Milestones:

- Construction Summer 2024

Changes from Prior CIP:

The timing of expenditures has pushed out one year from the previous CIP.



6. OUTFALL REHABILITATION PROGRAM

Project Highlights:

- The Outfall Rehabilitation Program funds priority capital maintenance of outfalls, as identified in the Stormwater Master Plan.
- Outfall rehabilitation and repair projects are necessary to protect other public and private infrastructure and increase the resiliency of the integrated stream and stormwater network.
- Failed or failing outfalls are a source of erosion and sediment which degrades water quality. Stabilization of the outfalls reduces erosion and sedimentation and protects private and public property, as well as mature trees.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

VARIOUS

Funding Notes: Other funding is interest income											
New Funding	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
New Bond Issue				625	1,225	1,260	1,260	1,305	1,305	1,345	8,325
Stormwater Utility Fee Revenue	490	1,030									1,520
Other Funding		250	250	250	250	250	250	250	250	250	2,250
Previous Funding											
Authorized but Unissued Bonds	435	445	1,055								1,935
Total Funding	925	1,725	1,305	875	1,475	1,510	1,510	1,555	1,555	1,595	14,030
Operating Impact	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Non-Personnel (\$)	5	5	5	5	5	5	5	5			40
Bond Financing Costs											
Total Impact	5	5	5	5	5	5	5	5	0	0	40

Changes from Prior CIP:

No change from the previous CIP.

Project Links:

- MS4 Permit:
<https://www.arlingtonva.us/Government/Programs/Sustainability-and-Environment/Stormwater/Stormwater-Watersheds/MS4-Permit>



7. SPARROW POND WATERSHED RETROFIT

Project Highlights:

- Sparrow Pond is an existing wet pond requiring reconstruction due to eroded sediment filling the pond. Re-vegetation will help to restore the pond's function and address concerns about public safety and flood storage.
- Ultimately, this project will result in a wet pond that will be easier and less costly to maintain and will provide enhanced wetland habitat, which is relatively rare in Arlington.
- This project provides significant Chesapeake Bay Total Maximum Daily Load (TMDL) credits.
- This project supports Biophilic Cities goals with its location along the heavily used W&OD Trail and will also include new interpretive signage.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

Arlington Forest
Barcroft

New Funding	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Previous Funding											
Authorized but Unissued Bonds	450										450
Total Funding	450	0	0	0	0	0	0	0	0	0	450
Operating Impact	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Non-Personnel (\$)	15	15	15	15	15	10	10	10			105
Bond Financing Costs											
Total Impact	15	15	15	15	15	10	10	10	0	0	105

Critical Milestones:

- Construction Summer 2024

Changes from Prior CIP:

The timing of expenditures has pushed out one year from the previous CIP.

Project Links:

- Project web site:
<https://www.arlingtonva.us/Government/Projects/Project-Types/Environment-Projects/Sparrow-Pond-Restoration>



8. STREAM RESILIENCY PROGRAM

Project Highlights:

- Stream resiliency projects repair eroding and acutely degraded stream channels and protect critical infrastructure such as sanitary sewer mains.
- This program responds to concerns resulting from increased storm intensity and frequency.
- Most cost-effective source of Chesapeake Bay Total Maximum Daily Load (TMDL) credits.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

VARIOUS

New Funding	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
State Funding			1,750								1,750
New Bond Issue				275	3,000	280	3,080	290	3,165	295	10,385
Previous Funding											
Authorized but Unissued Bonds	250	260	1,165								1,675
Total Funding	250	260	2,915	275	3,000	280	3,080	290	3,165	295	13,810
Operating Impact	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Non-Personnel (\$)			5	5	10	10	15	20			65
Bond Financing Costs											
Total Impact	0	0	5	5	10	10	15	20	0	0	65

Changes from Prior CIP:

The timing of expenditures has pushed out one year from the previous CIP.



9. WASHINGTON BOULEVARD POND RETROFIT

Project Highlights:

- This project improves Washington Boulevard Pond, an existing dry detention pond, to enhance performance.
- The project would increase stormwater quality treatment, and add co-benefits including habitat, sense of place and aesthetics, supporting Biophilic Cities goals (located adjacent to the County’s Department of Human Services facility).
- The project supports the County's regulatory requirements under its Municipal Separate Storm Sewer System (MS4) permit.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

Penrose

New Funding	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Authorized but Unissued		155	795								950
Bonds											
Previous Funding											
Total Funding	0	155	795	0	0	0	0	0	0	0	950
Operating Impact	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Non-Personnel (\$)			7	7	7	7	7	7			42
Bond Financing Costs											
Total Impact	0	0	7	7	7	7	7	7	0	0	42

Critical Milestones:

- Design Summer 2025
- Construction Summer 2026

Changes from Prior CIP:

The timing of expenditures has pushed out from the previous CIP.



10. WATER QUALITY PROJECT FEASIBILITY & CONCEPT DESIGN

Project Highlights:

- Planning and feasibility studies provide an integrated approach to proper scoping of potential projects.

Associated Plan(s):

Storm Water Master Plan

Neighborhood(s):

VARIOUS

New Funding	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
New Bond Issue					165	60	170	125	175	170	865
Stormwater Utility Fee Revenue	150	135	80	165		110		50		5	695
Previous Funding											
Authorized but Unissued Bonds		20	80								100
Total Funding	150	155	160	165	165	170	170	175	175	175	1,660
Operating Impact	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	Total
Bond Financing Costs											
Total Impact	0	0	0	0	0	0	0	0	0	0	0

Changes from Prior CIP:

No change from the previous CIP.