

Water Quality Improvements

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Capital Budget and Program

Anne Arundel County, Maryland

Project Class Summary - Project Listing

Council Approved

Project	Project Title	Total	Prior	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
Project Class Water Quality Improvements									
D515900	Four Season Stream Rehab	\$1,214,000	\$1,238,000	(\$24,000)	\$0	\$0	\$0	\$0	\$0
Q437300	Stream & Ecological Restor	\$1,787,101	\$1,848,101	(\$61,000)	\$0	\$0	\$0	\$0	\$0
Q514300	Crofton Trib Restoration	\$1,178,000	\$1,222,000	(\$44,000)	\$0	\$0	\$0	\$0	\$0
Q514500	Warehouse Creek Stream Restr	\$2,072,000	\$2,122,000	(\$50,000)	\$0	\$0	\$0	\$0	\$0
Q516400	Beacrane Road Bog Rehab	\$16,000	\$29,000	(\$13,000)	\$0	\$0	\$0	\$0	\$0
Q516500	Old County Road Swm Bmp	\$135,000	\$776,000	(\$641,000)	\$0	\$0	\$0	\$0	\$0
Q536000	Windsor Ridge Stream Stabilizat	\$658,000	\$715,000	(\$57,000)	\$0	\$0	\$0	\$0	\$0
Q536400	Picture Spring Branch Str Rest	\$389,000	\$423,000	(\$34,000)	\$0	\$0	\$0	\$0	\$0
Q540300	Rutland Rd Fish Passage	\$2,284,000	\$1,827,000	\$457,000	\$0	\$0	\$0	\$0	\$0
Q543000	Shipleys Choice Dam Rehab	\$4,248,000	\$5,348,000	(\$1,100,000)	\$0	\$0	\$0	\$0	\$0
Q551500	Barrensdale Outfall Restor	\$30,000	\$1,081,000	(\$1,051,000)	\$0	\$0	\$0	\$0	\$0
D406900	NPDES Permit Program	\$1,427,060	\$1,427,060	\$0	\$0	\$0	\$0	\$0	\$0
D499900	NPDES SD Retrofits	\$1,737,842	\$1,737,842	\$0	\$0	\$0	\$0	\$0	\$0
Q416000	Chg Agst Clsd Projects	\$67,721	\$67,721	\$0	\$0	\$0	\$0	\$0	\$0
Q517400	Cowhide Branch Retro	\$3,178,000	\$3,178,000	\$0	\$0	\$0	\$0	\$0	\$0
Q526500	Riverdale Outfall Rehab	\$240,000	\$240,000	\$0	\$0	\$0	\$0	\$0	\$0
Total Water Quality Improvements		\$20,661,724	\$23,279,724	(\$2,618,000)	\$0	\$0	\$0	\$0	\$0

Capital Budget and Program

Anne Arundel County, Maryland

Project Class Summary - Funding Detail							Council Approved		
Project	Project Title	Total	Prior	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
Project Class Water Quality Improvements									
Bonds									
	General County Bonds	\$15,731,384	\$15,332,384	\$399,000	\$0	\$0	\$0	\$0	\$0
	Conversion County Bnd	\$51,721	\$51,721	\$0	\$0	\$0	\$0	\$0	\$0
	WPRF Bonds	\$261,000	\$3,278,000	(\$3,017,000)	\$0	\$0	\$0	\$0	\$0
	Bonds	\$16,044,105	\$18,662,105	(\$2,618,000)	\$0	\$0	\$0	\$0	\$0
PayGo									
	General Fund PayGo	\$326,921	\$1,467,921	(\$1,141,000)	\$0	\$0	\$0	\$0	\$0
	PayGo	\$326,921	\$1,467,921	(\$1,141,000)	\$0	\$0	\$0	\$0	\$0
Grants & Aid									
	Other Fed Grants	\$1,747,000	\$1,747,000	\$0	\$0	\$0	\$0	\$0	\$0
	Other State Grants	\$1,590,559	\$1,397,559	\$193,000	\$0	\$0	\$0	\$0	\$0
	Grants & Aid	\$3,337,559	\$3,144,559	\$193,000	\$0	\$0	\$0	\$0	\$0
Other									
	Miscellaneous	\$953,138	\$5,138	\$948,000	\$0	\$0	\$0	\$0	\$0
	Other	\$953,138	\$5,138	\$948,000	\$0	\$0	\$0	\$0	\$0
	Water Quality Improvements	\$20,661,724	\$23,279,724	(\$2,618,000)	\$0	\$0	\$0	\$0	\$0

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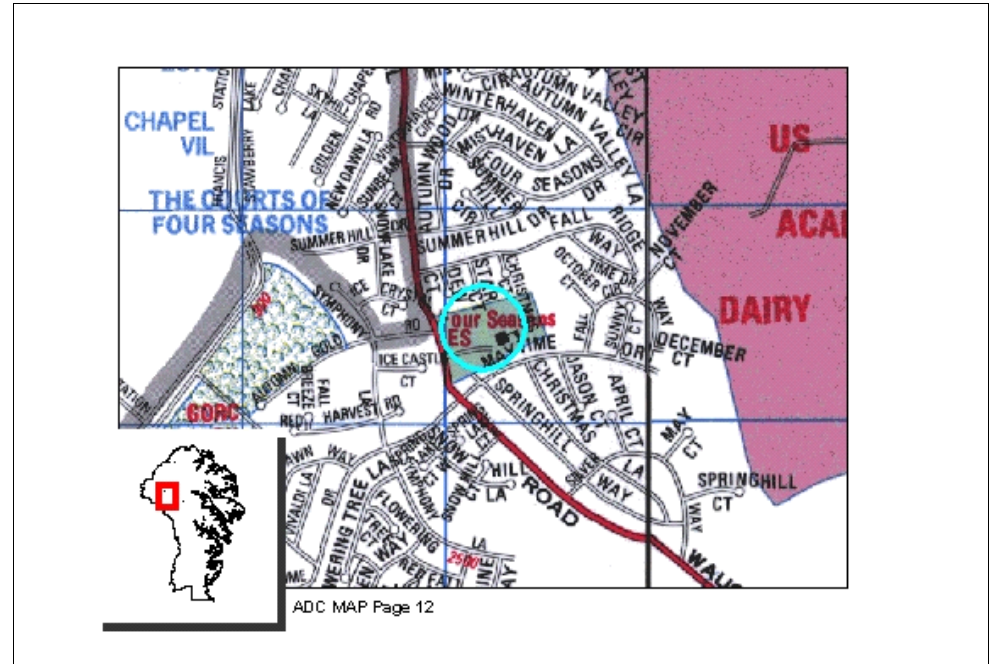
D515900 Four Season Stream Rehab

Class: Water Quality Improvements

FY2017 Council Approved

Description

This project consists of restoring approximately 2200 feet of a tributary to Towsers Branch downstream of the Four Seasons Community.



Benefit

This project will reduce erosion of the stream channel and reduce nutrient loading downstream

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$157,000	Plans and Engineering	\$157,000	\$157,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,000	Land	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,017,000	Construction	\$993,000	\$1,017,000	(\$24,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$59,000	Overhead	\$59,000	\$59,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,238,000	Total	\$1,214,000	\$1,238,000	(\$24,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$24,000)	\$0	(\$24,000)	\$0	\$0	\$0	\$0	\$0	\$0

D515900 Four Season Stream Rehab

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Complete
2. Action Taken In Current FY: Performance
3. Action Required To Complete This Project: None

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Deappropriate remaining funds
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2003 \$444,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,164,009	\$49,009	\$1,213,018
April 1, 2016	\$1,180,243	\$33,467	\$1,213,710

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,238,000	General County Bonds	\$1,214,000	\$1,238,000	(\$24,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$1,238,000	Total	\$1,214,000	\$1,238,000	(\$24,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$24,000)	\$0	(\$24,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q437300 Stream & Ecological Restor

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Stream & Ecological Restoration
3. Action Required To Complete This Project: This multi-year project is replaced in the form of a variety projects in the new Watershed Protection and Restoration Project Class.

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Reduced cost
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1996 \$1,360,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,321,508	\$287,950	\$1,609,458
April 1, 2016	\$1,646,134	\$90,481	\$1,736,615

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,392,307	General County Bonds	\$1,357,101	\$1,272,101	\$85,000	\$0	\$0	\$0	\$0	\$0	
\$167,000	WPRF Bonds	\$21,000	\$167,000	(\$146,000)	\$0	\$0	\$0	\$0	\$0	
\$409,000	Other State Grants	\$409,000	\$409,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$1,968,307	Total	\$1,787,101	\$1,848,101	(\$61,000)	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$181,206)	(\$120,206)	(\$61,000)	\$0	\$0	\$0	\$0	\$0	Multi-Yr

Q514300 Crofton Trib Restoration

Class: Water Quality Improvements

FY2017 Council Approved

Description

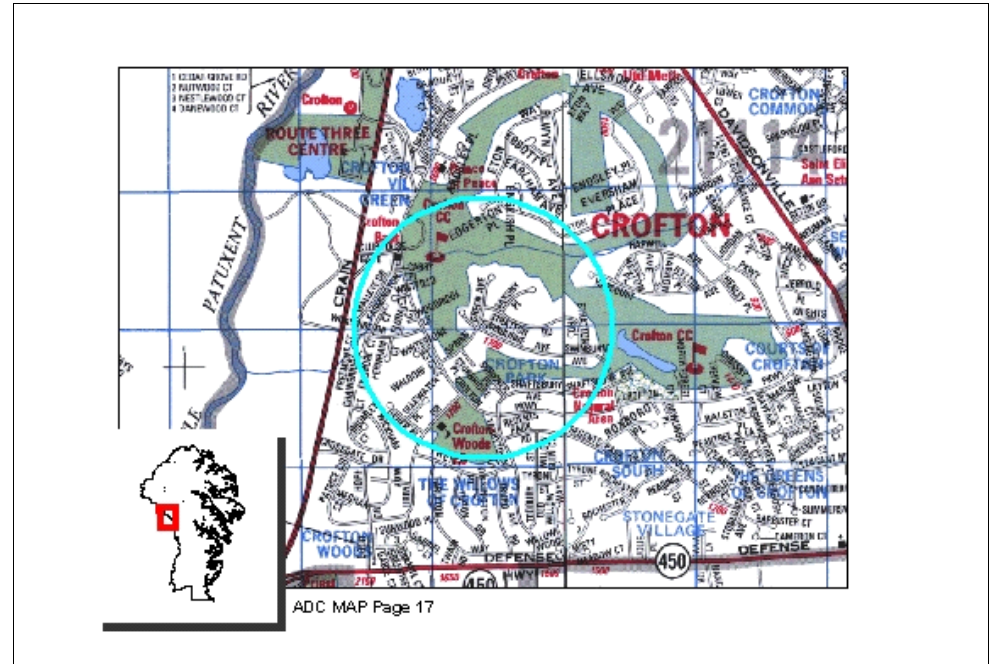
Construction of a stable stream configuration in the open section that runs from the northbound lane of Route 3 to the vicinity of Scribner Place at Shaftsbury Avenue.

Benefit

Water quality improvement.

Amendment History

County Council removed \$65k via AMD #25 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$190,000	Plans and Engineering	\$190,000	\$190,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$12,000	Land	\$12,000	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$956,000	Construction	\$912,000	\$956,000	(\$44,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$64,000	Overhead	\$64,000	\$64,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,222,000	Total	\$1,178,000	\$1,222,000	(\$44,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$44,000)	\$0	(\$44,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q514300 Crofton Trib Restoration

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Complete
2. Action Taken In Current Fiscal Year: Performance
3. Action Required To Complete This Project: None

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Deappropriate remaining funds
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2002 \$594,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,177,990	\$41,176	\$1,219,167
April 1, 2016	\$1,177,990	\$0	\$1,177,990

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,222,000	General County Bonds	\$1,178,000	\$1,222,000	(\$44,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$1,222,000	Total	\$1,178,000	\$1,222,000	(\$44,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$44,000)	\$0	(\$44,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q514500 Warehouse Creek Stream Restr

Class: Water Quality Improvements

FY2017

Council Approved

Description

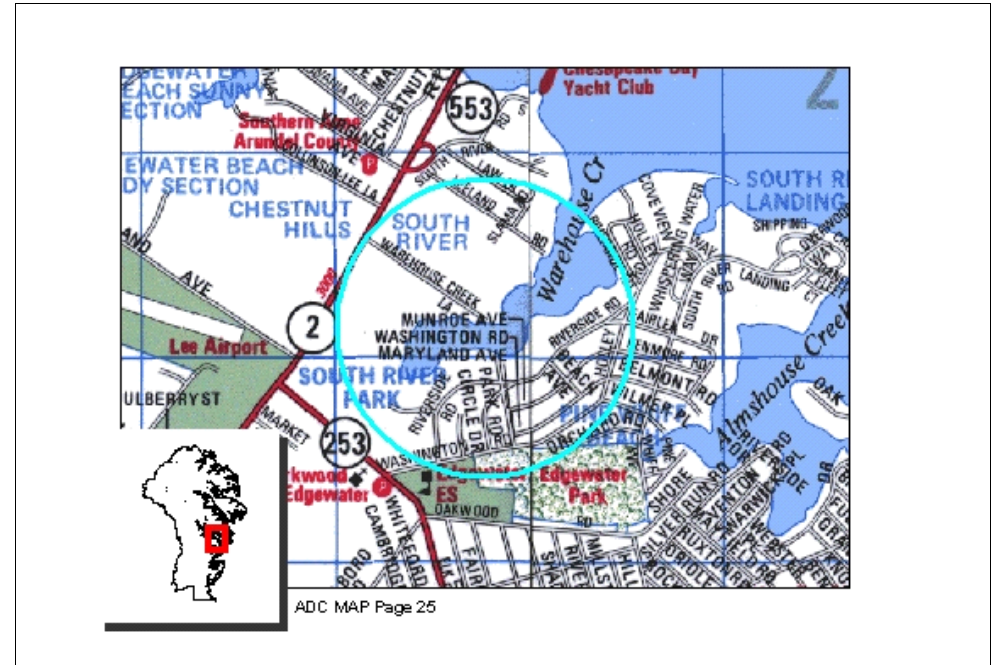
This project consists of project formulation and other preliminary studies for stream restoration of the headwaters of Warehouse Creek. Construction of Stream Channel Improvements and Water Quality Retrofits within the watershed have been included.

Benefit

This project will restore the headwaters stream channel to reduce sediment discharge to the creek.

Amendment History

County Council removed \$50,000 via AMD #24 to Bill 31-16.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$458,000	Plans and Engineering	\$458,000	\$458,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$91,000	Land	\$91,000	\$91,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,449,000	Construction	\$1,399,000	\$1,449,000	(\$50,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$124,000	Overhead	\$124,000	\$124,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,122,000	Total	\$2,072,000	\$2,122,000	(\$50,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$50,000)	\$0	(\$50,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q514500 Warehouse Creek Stream Restr

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None.
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2002 \$74,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$866,909	\$69,808	\$936,717
April 1, 2016	\$1,471,633	\$404,027	\$1,875,659

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,643,000	General County Bonds	\$1,832,000	\$1,643,000	\$189,000	\$0	\$0	\$0	\$0	\$0	\$0
\$479,000	WPRF Bonds	\$240,000	\$479,000	(\$239,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$2,122,000	Total	\$2,072,000	\$2,122,000	(\$50,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$50,000)	\$0	(\$50,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q516400 Beacrane Road Bog Rehab

Class: Water Quality Improvements

FY2017

Council Approved

Description

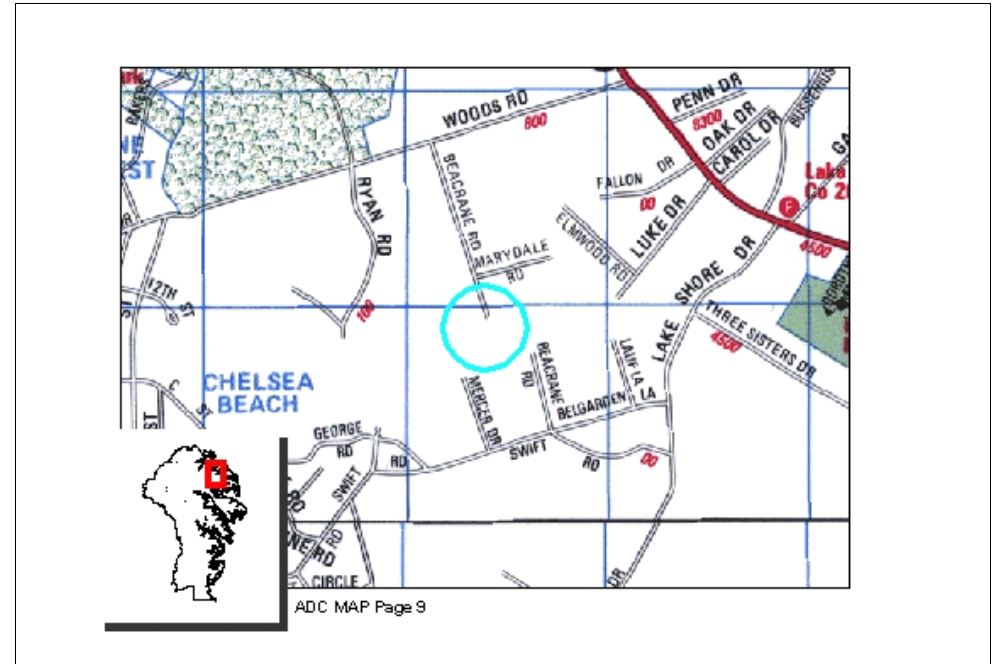
This project consist of restoration of the Beacrane Road bog. This is one of the bogs of special interest located in the North Shore Area of the Magothy River Watershed.

Benefit

Water quality and habitat improvement.

Amendment History

Removed \$45K via AMD #34 to Bill 46-13.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$15,000	Plans and Engineering	\$4,000	\$15,000	(\$11,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$2,000	Land	\$0	\$2,000	(\$2,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$7,000	Construction	\$7,000	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,000	Overhead	\$5,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$29,000	Total	\$16,000	\$29,000	(\$13,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$13,000)	\$0	(\$13,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q516400 Beacrane Road Bog Rehab

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Performance
3. Action Required To Complete This Project: None

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: Reduced costs
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2003 \$178,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$15,501	\$0	\$15,501
April 1, 2016	\$15,501	\$0	\$15,501

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$29,000	General County Bonds	\$16,000	\$29,000	(\$13,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$29,000	Total	\$16,000	\$29,000	(\$13,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$13,000)	\$0	(\$13,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q516500 Old County Road Swm Bmp

Class: Water Quality Improvements

FY2017

Council Approved

Description

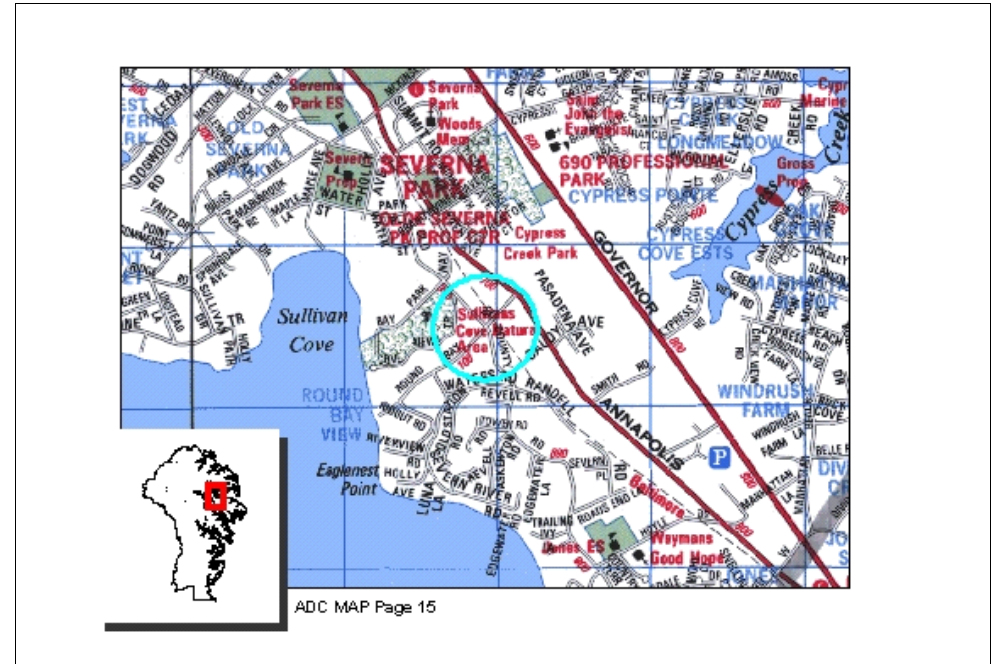
This project consist of design and construction of a BMP at the Cypress Creek Community and Park to improve water quality flowing to an existing bog. This bog provides stormwater quality management upstream of an Atlantic White Cedar Woodland area.

Funding to continue and complete the work begun under this project is moved to a new project B568100 in the WPRP Class.

Benefit

Water quality and habitat improvement.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$137,000	Plans and Engineering	\$127,000	\$137,000	(\$10,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$10,000	Land	\$0	\$10,000	(\$10,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$578,000	Construction	\$0	\$578,000	(\$578,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$51,000	Overhead	\$8,000	\$51,000	(\$43,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$776,000	Total	\$135,000	\$776,000	(\$641,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$641,000)	\$0	(\$641,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q516500 Old County Road Swm Bmp

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Design
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change In Name Or Description: Added reference to scope change and new project.
2. Change In Total Project Cost: Due to scope change.
3. Change In Scope: Funding to continue and complete the work begun under this project is moved to a new project B568100 in the WPRP Class.
4. Change In Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2003 \$179,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$103,853	\$23,306	\$127,159
April 1, 2016	\$118,874	\$10,199	\$129,073

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$135,000	General County Bonds	\$135,000	\$135,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$641,000	WPRF Bonds	\$0	\$641,000	(\$641,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$776,000	Total	\$135,000	\$776,000	(\$641,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$641,000)	\$0	(\$641,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q536000 Windsor Ridge Stream Stabilizat

Class: Water Quality Improvements

FY2017

Council Approved

Description

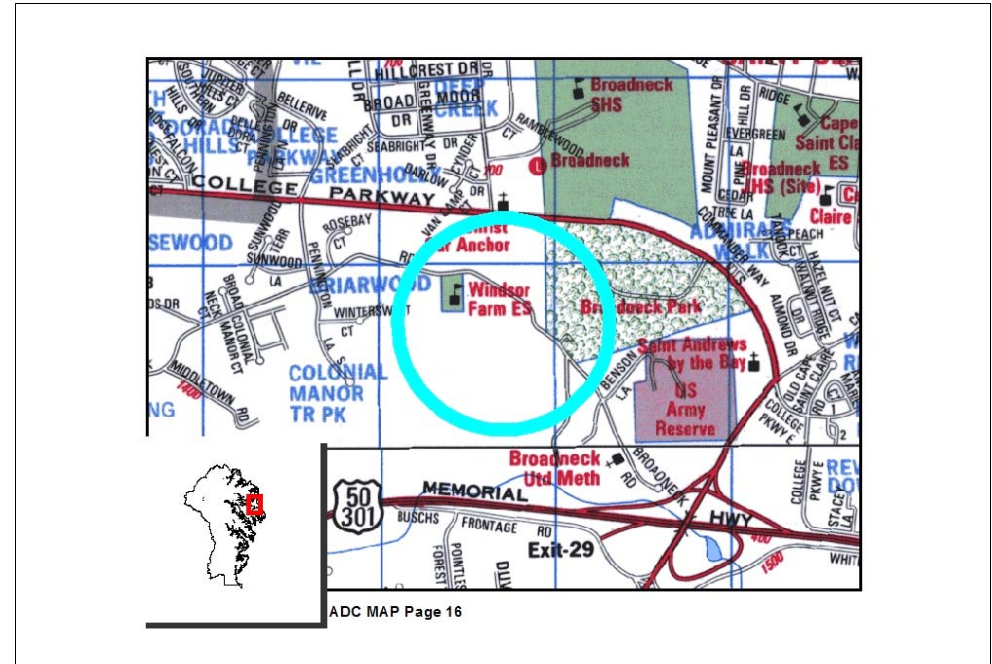
This project is to stabilize the stream channel from the twin culvert underneath Broadneck Road directly adjacent to Windsor Ridge Road, with a coastal plain outfall and seepage wetland.

Benefit

To rehabilitate a deteriorating twin culvert outfall and stabilize an eroding stream channel.

Amendment History

County Council removed \$70k via AMD #27 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$137,000	Plans and Engineering	\$137,000	\$137,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$6,000	Land	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$535,000	Construction	\$478,000	\$535,000	(\$57,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$37,000	Overhead	\$37,000	\$37,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$715,000	Total	\$658,000	\$715,000	(\$57,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$57,000)	\$0	(\$57,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q536000 Windsor Ridge Stream Stabilizat

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current Status of this Project: Complete
2. Action Taken in Current Fiscal Year: None
3. Action Required To Complete This Project: None

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Deappropriate remaining funds
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2010 \$785,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$657,573	\$56,332	\$713,905
April 1, 2016	\$657,573	\$0	\$657,573

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$715,000	General County Bonds	\$658,000	\$715,000	(\$57,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$715,000	Total	\$658,000	\$715,000	(\$57,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$57,000)	\$0	(\$57,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q536400 Picture Spring Branch Str Rest

Class: Water Quality Improvements

FY2017 Council Approved

Description

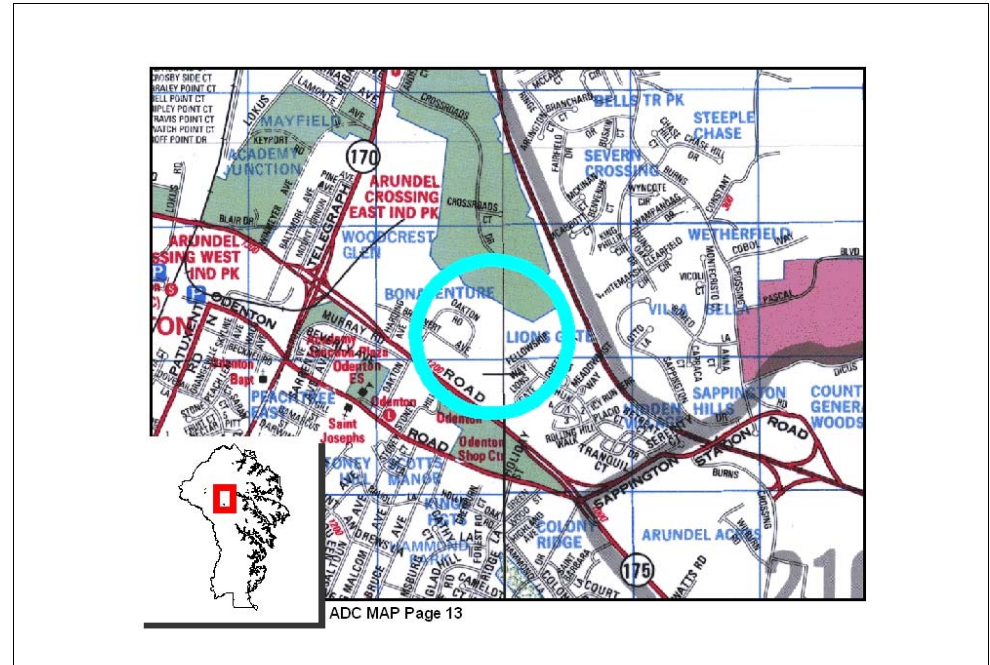
This project is established to investigate the existing conditions and to design and construct restoration techniques to improve and stabilize an 800 foot long portion of eroded stream bank, as well as head-cut restoration, and replacement of a degraded major outfall pipe along the Picture Spring Branch Stream.

Benefit

Regulatory compliance under the County's NPDES MS4 Permit and will improve hydrology and ecology for the stream channel.

Amendment History

County Council removed \$45k via AMD #55 to Bill 27-11.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$100,000	Plans and Engineering	\$100,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$8,000	Land	\$8,000	\$8,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$287,000	Construction	\$253,000	\$287,000	(\$34,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$28,000	Overhead	\$28,000	\$28,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$423,000	Total	\$389,000	\$423,000	(\$34,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$34,000)	\$0	(\$34,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q536400 Picture Spring Branch Str Rest

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current Status of this Project: Active
2. Action Taken in Current FY: Construction
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Reduced costs
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2010 \$368,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$77,796	\$13,016	\$90,813
April 1, 2016	\$310,140	\$78,700	\$388,840

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$323,000	General County Bonds	\$389,000	\$323,000	\$66,000	\$0	\$0	\$0	\$0	\$0	\$0
\$100,000	WPRF Bonds	\$0	\$100,000	(\$100,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$423,000	Total	\$389,000	\$423,000	(\$34,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$34,000)	\$0	(\$34,000)	\$0	\$0	\$0	\$0	\$0	\$0

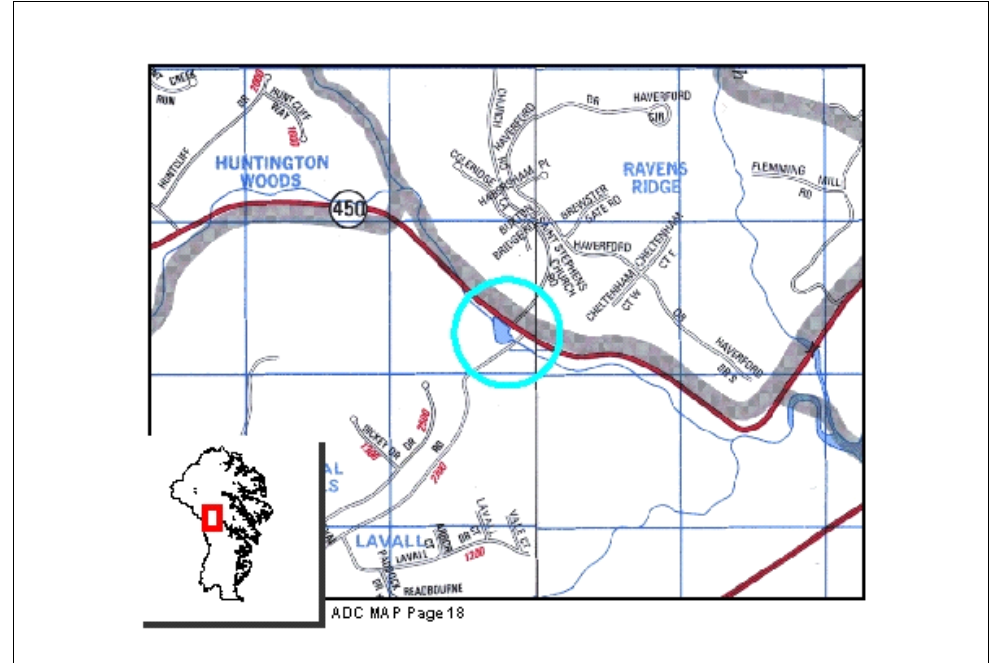
Q540300 Rutland Rd Fish Passage

Class: Water Quality Improvements

FY2017 Council Approved

Description

Project consists of the removal of fish migration barriers at Rutland Road cross Culvert near the intersection of Rutland Road and MD Route 450.



Benefit

Project is high on the priority list.

Amendment History

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$467,000	Plans and Engineering	\$503,000	\$467,000	\$36,000	\$0	\$0	\$0	\$0	\$0	\$0
\$18,000	Land	\$22,000	\$18,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0
\$1,222,000	Construction	\$1,630,000	\$1,222,000	\$408,000	\$0	\$0	\$0	\$0	\$0	\$0
\$120,000	Overhead	\$129,000	\$120,000	\$9,000	\$0	\$0	\$0	\$0	\$0	\$0
\$0	Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,827,000	Total	\$2,284,000	\$1,827,000	\$457,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$457,000	\$0	\$457,000	\$0	\$0	\$0	\$0	\$0	\$0

Q540300 Rutland Rd Fish Passage

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Construction
3. Action Required To Complete This Project: Performance

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: Increased funding based on latest cost estimate and fiscal analysis.
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2010 \$1,111,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$457,480	\$36,267	\$493,748
April 1, 2016	\$530,471	\$1,058,481	\$1,588,952

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$898,000	General County Bonds	\$1,537,000	\$898,000	\$639,000	\$0	\$0	\$0	\$0	\$0	\$0
\$182,000	WPRF Bonds	\$0	\$182,000	(\$182,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$747,000	Other Fed Grants	\$747,000	\$747,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,827,000	Total	\$2,284,000	\$1,827,000	\$457,000	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$457,000	\$0	\$457,000	\$0	\$0	\$0	\$0	\$0	\$0

Q543000 Shipley's Choice Dam Rehab

Class: Water Quality Improvements

FY2017

Council Approved

Description

This project consists of the removal of the failing, existing dam, installation of stormwater management controls to replace those provided by the dam, reconstruction of the stream crossing under West Benfield Boulevard to prevent flooding of properties, and stream restoration.

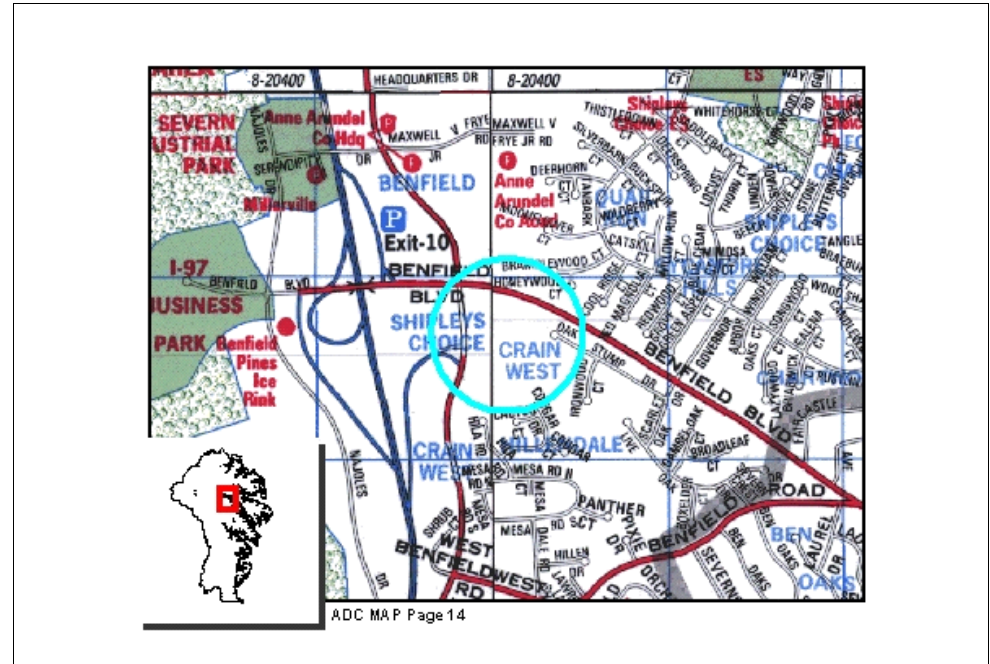
Stream restoration work is moved to and funded under new project B568000 within WPRP Class.

Benefit

Annual inspection of the dam revealed signs of eminent failure. After extensive study and in concert with the Maryland Department of the Environment, it was determined the best alternative is to remove the dam and install stormwater management controls, stream restoration and reconstruction of the crossing under West Benfield Road to prevent flooding of properties.

Amendment History

County Council removed \$600,000 of PayGo funding and replaced with Bonds via amendment #94 to Bill 24-09. County Council removed \$70k via AMD #28 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$587,000	Plans and Engineering	\$387,000	\$587,000	(\$200,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$1,023,000	Land	\$923,000	\$1,023,000	(\$100,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$3,407,000	Construction	\$2,717,000	\$3,407,000	(\$690,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$331,000	Overhead	\$221,000	\$331,000	(\$110,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$5,348,000	Total	\$4,248,000	\$5,348,000	(\$1,100,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,100,000)	\$0	(\$1,100,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q543000 Shipley's Choice Dam Rehab

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Complete Design
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change in Name or Description: Added reference to new project within WPRP Class.
2. Change in Total Project Cost: Due to change in scope
3. Change in Scope: Stream restoration work moved to new project within WPRP Class.
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2008 \$3,380,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$919,687	\$107,296	\$1,026,982
April 1, 2016	\$935,993	\$293,347	\$1,229,340

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$5,312,000	General County Bonds	\$4,212,000	\$5,312,000	(\$1,100,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$36,000	General Fund PayGo	\$36,000	\$36,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$5,348,000	Total	\$4,248,000	\$5,348,000	(\$1,100,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,100,000)	\$0	(\$1,100,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q551500 Barrensdale Outfall Restor

Class: Water Quality Improvements

FY2017

Council Approved

Description

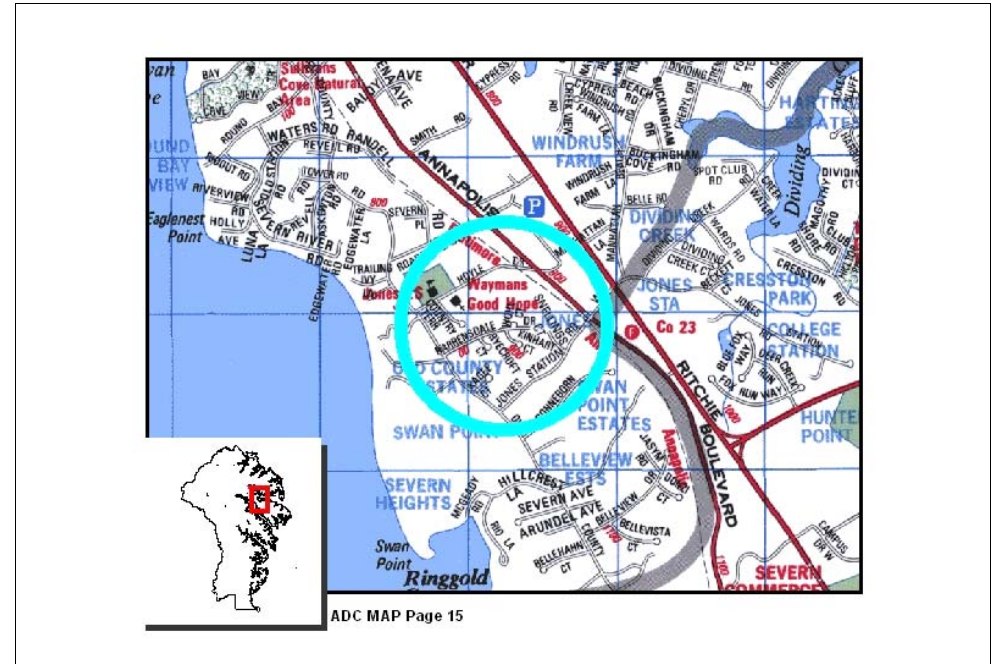
This Project is for right-of-way acquisition and construction of stream restoration to a highly eroded stream channel from the outfall from the public stormwater management pond at Barrensdale Drive in the Magothy River Watershed. Construction includes modifications to the public stormwater management pond.

Funding to continue and complete the work begun under this project is moved to a new project B568200 in the WPRP Class.

Benefit

Provide water quality treatment for the pond's drainage area, thereby contributing to regulatory compliance under the County's NPDES MS4 Permit and will improve hydrology and ecology for the stream channel.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$251,000	Land	\$28,000	\$251,000	(\$223,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$759,000	Construction	\$0	\$759,000	(\$759,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$71,000	Overhead	\$2,000	\$71,000	(\$69,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$1,081,000	Total	\$30,000	\$1,081,000	(\$1,051,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,051,000)	\$0	(\$1,051,000)	\$0	\$0	\$0	\$0	\$0	\$0

Q551500 Barrensedale Outfall Restor

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current status of this Project: Active
2. Action taken in Current Fiscal Year: Right of Way Acquisition and Construction
3. Action required to complete this Project: Construction and Performance

Change from Prior Year

1. Change in Name or Description: Added reference to scope change and new project.
2. Change in Total Project Cost: Due to scope change.
3. Change in Scope: Funding to continue and complete the work begun under this project is moved to a new project B568200 in the WPRP Class.
4. Change in Timing: None

Estimated Operating Budget Impact: Indeterminate

Initial Total Project Cost Estimate

FY 2013 \$995,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$27,247	\$0	\$27,247
April 1, 2016	\$27,247	\$0	\$27,247

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$240,000	General County Bonds	\$30,000	\$240,000	(\$210,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$841,000	WPRF Bonds	\$0	\$841,000	(\$841,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$1,081,000	Total	\$30,000	\$1,081,000	(\$1,051,000)	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		(\$1,051,000)	\$0	(\$1,051,000)	\$0	\$0	\$0	\$0	\$0	\$0

D406900 NPDES Permit Program

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Continued Water Quality Programs and Watershed Studies
3. Action Required To Complete This Project: Continued in the operating budget of the new Watershed Protection and Restoration Fund

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1992 \$1,873,600

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$1,977,454	\$147,518	\$2,124,971
April 1, 2016	\$1,353,083	\$51,434	\$1,404,517

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,421,921	General Fund PayGo	\$280,921	\$1,421,921	(\$1,141,000)	\$0	\$0	\$0	\$0	\$0	
	Other State Grants	\$193,000	\$0	\$193,000	\$0	\$0	\$0	\$0	\$0	
\$728,868	Miscellaneous	\$953,138	\$5,138	\$948,000	\$0	\$0	\$0	\$0	\$0	
\$2,150,789	Total	\$1,427,060	\$1,427,060	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$723,729)	(\$723,729)	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

D499900 NPDES SD Retrofits

Class: Water Quality Improvements

FY2017 Council Approved

Description

This project will design and construct remedial stream stabilization and other stormwater infrastructure retrofits that are identified as needed through the NPDES watershed studies.

This multi-year project is replaced in the form of a variety projects in the new Watershed Protection and Restoration Project Class.

Location

Countywide

Benefit

Water Quality Improvement

Amendment History

Prior approval has been adjusted to show the closing of jobs on this project. Prior Approval was increased in the amount of \$360,000 by Bill #16-10, \$480,000 by Bill # 80-10, and \$460,000 by Bill # 17-12. Removed \$150K via AMD #33 to Bill 46-13. County Council removed \$364k via AMD #54 to Bill 29-15.

Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$525,067	Plans and Engineering	\$145,668	\$145,668	\$0	\$0	\$0	\$0	\$0	\$0	
\$9,957	Land	\$3,707	\$3,707	\$0	\$0	\$0	\$0	\$0	\$0	
\$1,872,676	Construction	\$1,506,055	\$1,506,055	\$0	\$0	\$0	\$0	\$0	\$0	
\$125,306	Overhead	\$82,412	\$82,412	\$0	\$0	\$0	\$0	\$0	\$0	
	Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
\$2,533,006	Total	\$1,737,842	\$1,737,842	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$795,164)	(\$795,164)	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

D499900 NPDES SD Retrofits

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Stream Stabilization and Stormwater Management Infrastructure Retrofits
3. Action Required To Complete This Project: Complete design, construction and performance of ongoing contracts to meet NPDES MS4 permit requirements, and Chesapeake Bay TMDLs.

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2000 \$1,800,000

Funding Increased in FY'02 Request to Address Projected Requirements

April 1, 2015

April 1, 2016

Financial Activity

Expended	Encumbered	Total
\$1,095,972	\$24,633	\$1,120,605
\$1,274,927	\$172,539	\$1,447,466

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,012,422	General County Bonds	\$878,283	\$878,283	\$0	\$0	\$0	\$0	\$0	\$0	
\$1,520,853	Other State Grants	\$859,559	\$859,559	\$0	\$0	\$0	\$0	\$0	\$0	
\$2,533,274	Total	\$1,737,842	\$1,737,842	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		(\$795,164)	(\$795,164)	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

Q416000 Chg Agst Clsd Projects

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current Fiscal Year: Multi-Year
3. Action Required To Complete This Project: Multi-Year

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 1993 \$50,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$60,916	\$0	\$60,916
April 1, 2016	\$62,916	\$1,985	\$64,901

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$57,721	General County Bonds	\$6,000	\$6,000	\$0	\$0	\$0	\$0	\$0	\$0	
	Conversion County Bnd	\$51,721	\$51,721	\$0	\$0	\$0	\$0	\$0	\$0	
\$10,000	General Fund PayGo	\$10,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	
\$67,721	Total	\$67,721	\$67,721	\$0	\$0	\$0	\$0	\$0	\$0	
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	Multi-Yr

Q517400 Cowhide Branch Retro

Class: Water Quality Improvements

FY2017

Council Approved

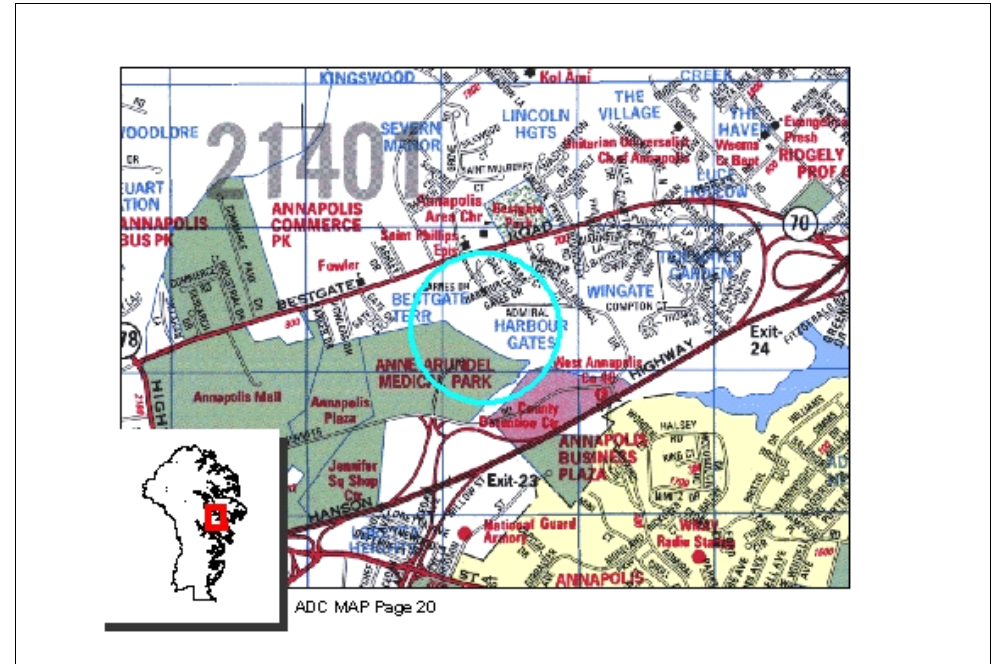
Description

Construction of an upgrade to the Cowhide Branch of Weems Creek. This will include removal of a fish blockage and excess sediment and grading, realignment and planting in the Floodplain to establish a more stable and natural Watershed.

Benefit

Water quality and habitat improvement.

Amendment History



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$496,000	Plans and Engineering	\$496,000	\$496,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$43,000	Land	\$43,000	\$43,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$2,472,000	Construction	\$2,472,000	\$2,472,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$167,000	Overhead	\$167,000	\$167,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,178,000	Total	\$3,178,000	\$3,178,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Q517400 Cowhide Branch Retro

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Active
2. Action Taken In Current FY: Design
3. Action Required To Complete This Project: Construction and Performance

Change from Prior Year

1. Change In Name Or Description: None
2. Change In Total Project Cost: None.
3. Change In Scope: None
4. Change In Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2003 \$1,126,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$501,975	\$375	\$502,350
April 1, 2016	\$502,751	\$2,077,673	\$2,580,423

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$1,310,000	General County Bonds	\$2,178,000	\$1,310,000	\$868,000	\$0	\$0	\$0	\$0	\$0	\$0
\$868,000	WPRF Bonds	\$0	\$868,000	(\$868,000)	\$0	\$0	\$0	\$0	\$0	\$0
\$1,000,000	Other Fed Grants	\$1,000,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$3,178,000	Total	\$3,178,000	\$3,178,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Q526500 Riverdale Outfall Rehab

Class: Water Quality Improvements

FY2017 Council Approved

Description

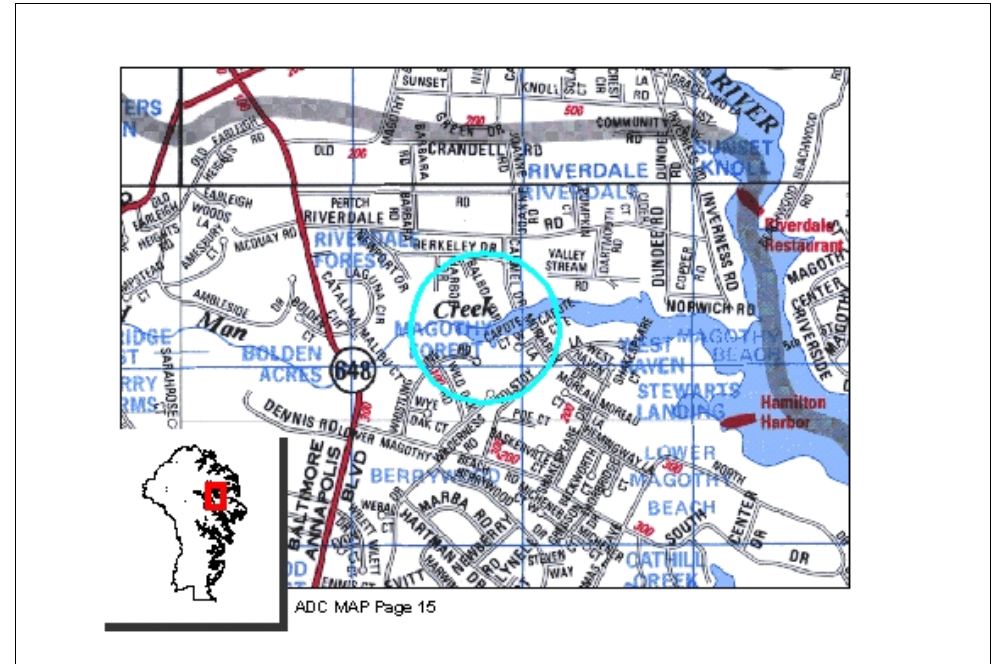
Design and construct a stable stream channel in the Riverdale Glen community to correct and existing eroding channel. The eroding channel discharges sediments and pollutants into a tributary of the Magothy River.

Benefit

The existing channel is eroding and discharges sediments and pollutants into a tributary of the Magothy River.

Amendment History

County Council removed \$43k via AMD #26 to Bill 29-15.



Prior Year Project Total	Phase	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$99,000	Plans and Engineering	\$99,000	\$99,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$1,000	Land	\$1,000	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$122,000	Construction	\$122,000	\$122,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$18,000	Overhead	\$18,000	\$18,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$240,000	Total	\$240,000	\$240,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Q526500 Riverdale Outfall Rehab

Class: Water Quality Improvements

FY2017

Council Approved

Project Status

1. Current Status Of This Project: Complete
2. Action Taken In Current FY: Performance
3. Action Required To Complete This Project: None

Change from Prior Year

1. Change in Name or Description: None
2. Change in Total Project Cost: None
3. Change in Scope: None
4. Change in Timing: None

Estimated Operating Budget Impact: None

Initial Total Project Cost Estimate

FY 2004 \$202,000

Financial Activity

	Expended	Encumbered	Total
April 1, 2015	\$236,151	\$0	\$236,151
April 1, 2016	\$236,151	\$0	\$236,151

Prior Year Project Total	Funding	Project Total	Prior Approval	Budget FY2017	Capital Program (\$000)					Beyond 6 Years
					FY2018	FY2019	FY2020	FY2021	FY2022	
\$111,000	General County Bonds	\$111,000	\$111,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$129,000	Other State Grants	\$129,000	\$129,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$240,000	Total	\$240,000	\$240,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
More (Less) Than Prior Year Program:		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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