

# Stream Protection: SVP -- No. 818571

Category  
Subcategory  
Administering Agency  
Planning Area

**M-NCPPC**  
**Development**  
**M-NCPPC**  
**Countywide**

Date Last Modified  
Required Adequate Public Facility  
Relocation Impact  
Status

**November 01, 2010**  
**No**  
**None**  
**On-going**

### EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY10	Rem. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	810	0	60	750	125	125	125	125	125	125	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	2,650	0	202	2,448	408	408	408	408	408	408	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>3,460</b>	<b>0</b>	<b>262</b>	<b>3,198</b>	<b>533</b>	<b>533</b>	<b>533</b>	<b>533</b>	<b>533</b>	<b>533</b>	<b>*</b>

### FUNDING SCHEDULE (\$000)

G.O. Bonds	3,460	0	262	3,198	533	533	533	533	533	533	0
<b>Total</b>	<b>3,460</b>	<b>0</b>	<b>262</b>	<b>3,198</b>	<b>533</b>	<b>533</b>	<b>533</b>	<b>533</b>	<b>533</b>	<b>533</b>	<b>0</b>

#### DESCRIPTION

As a result of development in urban and suburban watersheds, stream channels are subject to increased storm water flows that result in severely eroded stream banks. This project makes corrective improvements to damaged stream channels, floodplains, and tributaries in stream valley parks and constructs new stormwater management (SWM) facilities and associated riparian enhancements to improve watershed conditions. Stream erosion problems include stream sedimentation, destruction of aquatic habitat, undercutting of stream banks, blockage of migration routes, loss of floodplain access, tree loss, damage to infrastructure (i.e. bike paths, bridges, utilities, and other improvements). Rock and wood revetments (i.e. cross vanes, J-hooks, riffle grade controls) are used in association with reforestation, floodplain enhancements, and other stream protection techniques (brush bundles, wing deflectors, root wads, etc.) to prevent continued erosion and improve aquatic habitat. Stream protection projects must be examined from a watershed perspective to identify/control the source of problems. If possible new SWM facilities will be built to control water flows prior to entering the stream channel to help the watershed return to a more stable equilibrium. Projects require engineering and permitting by Maryland Department of the Environment, the U.S. Army Corps of Engineers, and Montgomery County's Department of Permitting Services. This project also includes reforestation in stream valley parks.

#### COST CHANGE

Increase due to addition of FY15 and FY16 to this on-going project.

#### JUSTIFICATION

The project meets Montgomery County's water quality goals, Chapter 19, Article IV of the Montgomery County Code: to protect, maintain, and restore high quality chemical, physical, and biological conditions in the waters of the State in the County. This project is also supported by the Countywide Stream Protection Strategy developed by Montgomery County's Department of Environmental Protection (DEP). Many county streams flow through lands managed/owned by M-NCPPC. M-NCPPC performs a stewardship role in protection of these streams and protecting improvements, which are threatened by stream erosion.

Comprehensive Watershed Inventories conducted by Montgomery County Department of Environmental Protection with assistance from M-NCPPC.

#### OTHER DISCLOSURES

- \* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP																																				
<table border="1"> <tr> <td>Date First Appropriation</td> <td>FY81</td> <td>(\$000)</td> </tr> <tr> <td>First Cost Estimate</td> <td>FY98</td> <td>5,971</td> </tr> <tr> <td>Last FY's Cost Estimate</td> <td></td> <td>3,874</td> </tr> </table> <table border="1"> <tr> <td>Appropriation Request</td> <td>FY12</td> <td>533</td> </tr> <tr> <td>Supplemental Appropriation Request</td> <td></td> <td>0</td> </tr> <tr> <td>Transfer</td> <td></td> <td>0</td> </tr> </table> <table border="1"> <tr> <td>Cumulative Appropriation</td> <td></td> <td>795</td> </tr> <tr> <td>Expenditures / Encumbrances</td> <td></td> <td>225</td> </tr> <tr> <td>Unencumbered Balance</td> <td></td> <td>570</td> </tr> </table> <table border="1"> <tr> <td>Partial Closeout Thru</td> <td>FY09</td> <td>7,975</td> </tr> <tr> <td>New Partial Closeout</td> <td>FY10</td> <td>414</td> </tr> <tr> <td>Total Partial Closeout</td> <td></td> <td>8,389</td> </tr> </table>	Date First Appropriation	FY81	(\$000)	First Cost Estimate	FY98	5,971	Last FY's Cost Estimate		3,874	Appropriation Request	FY12	533	Supplemental Appropriation Request		0	Transfer		0	Cumulative Appropriation		795	Expenditures / Encumbrances		225	Unencumbered Balance		570	Partial Closeout Thru	FY09	7,975	New Partial Closeout	FY10	414	Total Partial Closeout		8,389	<p>The Commission coordinates stream monitoring, stream protection and SWM projects with the Montgomery County Department of Environmental Protection. National Capital Planning Commission for Capper-Cramton Funded Parks. State and County Department of Transportation, as required. State Dept. of Natural Resources Montgomery County Department of Environmental Protection, PDF 733759. Utility rights-of-way coordinated with WSSC and other utility companies where applicable. U.S. Army Corps of Engineers Metropolitan Washington Council of Governments</p>	
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