

# 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 02, 2011  
No  
None  
On-going

## EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	926	0	176	750	125	125	125	125	125	125	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	3,028	0	580	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>3,954</b>	<b>0</b>	<b>756</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	3,954	0	756	3,198	533	533	533	533	533	533	0
<b>Total</b>	<b>3,954</b>	<b>0</b>	<b>756</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 the addition of FY17 and FY18 to this ongoing 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		
Date First Appropriation	FY81	(\$000)
First Cost Estimate		
Current Scope	FY98	5,971
Last FY's Cost Estimate		3,460
Appropriation Request	FY13	533
Appropriation Request Est.	FY14	533
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		756
Expenditures / Encumbrances		154
Unencumbered Balance		602
Partial Closeout Thru	FY10	8,389
New Partial Closeout	FY11	572
Total Partial Closeout		8,961

COORDINATION
Montgomery County Department of Environmental Protection National Capital Planning Commission for Capper-Cramton Funded Parks State and County Department of Transportation 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

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MAP

