

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

January 05, 2010
No
None
On-going

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY09	Est. FY10	Total 6 Years	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Planning, Design, and Supervision	1,055	0	155	900	150	150	150	150	150	150	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	3,521	0	521	3,000	500	500	500	500	500	500	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
Total	4,576	0	676	3,900	650	650	650	650	650	650	*

FUNDING SCHEDULE (\$000)

G.O. Bonds	4,576	0	676	3,900	650	650	650	650	650	650	0
Total	4,576	0	676	3,900	650	650	650	650	650	650	0

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 to support increased awareness and support of environmental stewardship in parks.

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

- M-NCPPC asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.
- * Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY81	(\$000)
First Cost Estimate	FY98	5,971
Current Scope		
Last FY's Cost Estimate		3,260
Appropriation Request	FY11	650
Appropriation Request Est.	FY12	650
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		676
Expenditures / Encumbrances		141
Unencumbered Balance		535
Partial Closeout Thru	FY08	7,523
New Partial Closeout	FY09	452
Total Partial Closeout		7,975

COORDINATION

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

