Facility Planning: SM -- No. 809319

Category	**Conservation of Natural Resources**	Date Last Modified	**January 5, 2006**
Agency	**Environmental Protection**	Required Adequate Public Facility	**NO**
Planning Area	**Countywide**		
Relocation Impact	**None**		

EXPENDITURE SCHEDULE ($000)

Cost Element	Total	Thru FY05	Est. FY06	Total 6 Years	FY07	FY08	FY09	FY10	FY11	FY12	Beyond 6 Years
Planning, Design and Supervision	7,287	3,823	914	2,550	425	425	425	425	425	425	0
Land											
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction											
Other	42	42	0	0	0	0	0	0	0	0	0
Total	7,329	3,865	914	2,550	425	425	425	425	425	425	*

FUNDING SCHEDULE ($000)

Current Revenue: General	6,392	2,928	914	2,550	425	425	425	425	425	425	0
Stormwater Management Waiver Fees	797	797	0	0	0	0	0	0	0	0	0
State Aid	140	140	0	0	0	0	0	0	0	0	0

ANNUAL OPERATING BUDGET IMPACT ($000)

DESCRIPTION

This project provides funds for facility planning and feasibility studies to evaluate watershed conservation needs and identify remedial project alternatives for stormwater management, stormwater retrofit, low impact development (LID), and stream restoration projects under consideration for possible inclusion in the CIP. In addition, facility planning serves as a transition stage for a project in the CIP. Selected projects vary in type including: preparation of watershed conservation plans assessing stream erosion and habitat; inventories of alternative stream restoration and retrofit projects; complementary non-structural measures to help mitigate degraded stream conditions in rural and developed watersheds; identification of potential flood problems and flood damage reduction measures; and hydrologic, hydraulic, and water quality monitoring and analyses as required to quantify impacts of watershed development and projects to be implemented. Facility planning is a decision-making process that investigates critical project elements such as: usage forecasts; economic, social, environmental, and historic impact analyses; public participation; potential non-County funding sources; and detailed project cost estimates. Facility planning represents planning and preliminary design and develops a program of requirements in advance of full programming of a project in the CIP. As a result of determination of purpose and need through this process, a project may or may not proceed to construction. For a full description of the facility planning process, see the CIP Planning Section in Volume I.

Service Area

Countywide.

JUSTIFICATION

Facility planning supports requirements for watershed assessments required in the County's National Pollutant Discharge Elimination System (NPDES) stormwater permit for municipal stormwater discharges and implements the Countywide Stream Protection Strategy (CSPS, 2003). There is a continuing need for the development of accurate cost estimates and an exploration of alternatives for proposed projects. This project establishes the facilities planning data and alternatives analyses needed to identify and set priorities for individual capital projects. Facility planning costs for projects which are ultimately included in stand-alone Project Description Forms (PDFs) are reflected here and not in the resulting individual project. Future individual CIP projects which result from facility planning will each reflect reduced planning and design costs.

Plans and Studies

The CSPS identified the condition of County watersheds and prioritized subwatersheds for protection and/or restoration. Facility planning studies are targeted based on the CSPS.

Cost Change

Increase due to higher personnel costs and the addition of FY11 and FY12 to this ongoing project.

STATUS

Ongoing.

OTHER

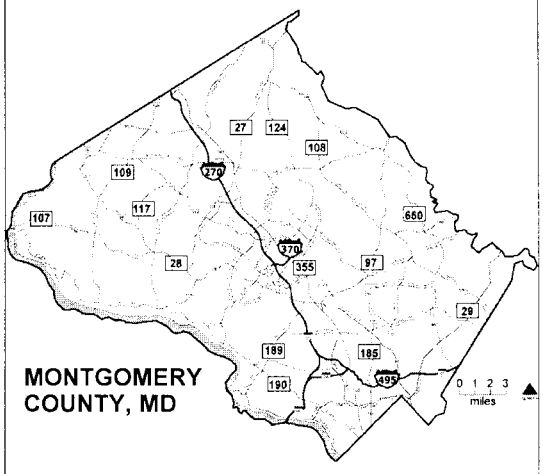
Ongoing projects are in the Watts Branch, Lower Paint Branch, Muddy Branch and Great Seneca Creek watersheds. Projects planned for FY07-08 include: Continuation of the Great Seneca Creek and Muddy Branch Feasibility studies; and automated fixed monitoring station operations required by NPDES permit.
*Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY93	($000)
Initial Cost Estimate		1,110
First Cost Estimate Current Scope	FY07	7,329
Last FY's Cost Estimate		6,359
Present Cost Estimate		7,329
Appropriation Request	FY07	425
Appropriation Request Est.	FY08	425
Supplemental Appropriation Request	FY06	0
Transfer		0
Cumulative Appropriation		4,779
Expenditures/ Encumbrances		4,100
Unencumbered Balance		679
Partial Closeout Thru	FY04	0
New Partial Closeout	FY05	0
Total Partial Closeout		0

COORDINATION

M-NCPPC
U. S. Army Corps of Engineers
WSSC
Department of Permitting Services
DPWT will coordinate on damaged storm drain outfalls identified in watershed studies and on stream restoration improvements for mitigating road impacts.

The Executive asserts that this project conforms to the requirements of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.

MAP