

Agricultural Land Preservation

Ag Land Pres Easements -- No. 788911

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Ag Land Preservation
Economic Development
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

May 20, 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	3,498	0	376	3,122	486	499	513	527	541	556	0
Land	22,336	0	13,186	9,150	2,600	2,750	850	950	1,000	1,000	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	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	25,834	0	13,562	12,272	3,086	3,249	1,363	1,477	1,541	1,556	0

FUNDING SCHEDULE (\$000)

Agricultural Transfer Tax	10,568	0	5,418	5,150	600	750	850	950	1,000	1,000	0
Federal Aid	393	0	393	0	0	0	0	0	0	0	0
G.O. Bonds	4,000	0	0	4,000	2,000	2,000	0	0	0	0	0
Investment Income	3,613	0	491	3,122	486	499	513	527	541	556	0
M-NCPPC Contributions	5,000	0	5,000	0	0	0	0	0	0	0	0
State Aid	2,260	0	2,260	0	0	0	0	0	0	0	0
Total	25,834	0	13,562	12,272	3,086	3,249	1,363	1,477	1,541	1,556	0

DESCRIPTION

This project provides funds for the purchase of agricultural and conservation easements under the County Agricultural Land Preservation legislation, effective November 25, 2008, for local participation in Maryland's agricultural and conservation programs. The County Agricultural Easement Program (AEP) enables the County to purchase preservation easements on farmland in the agricultural zones and in other zones approved by the County Council to preserve farmland not already protected by Transferable Development Rights (TDRs) easements or State agricultural land preservation easements.

The Maryland Agricultural Land Preservation Foundation (MALPF) enables the State to purchase preservation easements on farmland jointly by the County and State.

The Rural Legacy Program (RLP) enables the State to purchase conservation easements to preserve large contiguous tracts of agricultural land. The sale of development rights easements are proposed voluntarily by the farmland owner. Project funding comes primarily from the Agricultural Land Transfer Tax, which is levied when farmland is sold and removed from agricultural status. Montgomery County is a State-certified county under the provisions of State legislation, which enables the County to retain 75 percent of the taxes for local use. The County uses a portion of its share of the tax to provide matching funds for State easements.

Beginning in FY10, a new Building Lot Termination (BLT) program will be initiated that represents an enhanced farmland preservation program tool to further protect land where development rights have been retained in the Rural Density Transfer Zone (RDT). This program will use Agricultural Transfer Tax revenue to purchase the development rights and corresponding TDRs retained on these properties.

COST CHANGE

Due to the addition of GO Bonds in FY11 and FY12 for the purchase of agricultural easements. Agricultural Transfer Tax collection and related expenditures were reduced to reflect the slowing economy. Investment Income was increased in FY11 through FY16 for operating expenses relating to the Cooperative Extension Program.

JUSTIFICATION

Annotated Code of Maryland 2-501 to 2-515, Maryland Agricultural Land Preservation Foundation; Annotated Code of Maryland 13-301 to 13-308, Agricultural Land Transfer Tax; and Montgomery County Code, Chapter 2B, Agricultural Land Preservation.

OTHER

FY11 estimated Investment Income expenditure before partial closeout adjustments is \$486,000 and is made up of \$374,000: 1 workyear Business Development Specialist III, 1 workyear Business Development Specialist I, 1 workyear MLS Manager II; \$30,000 - Deer Donation Program; \$10,000 - Montgomery Weed Control Program; and \$72,000 for Cooperative Extension Partnership.

Appropriations are based upon a projection of Montgomery County's portion of the total amount of Agricultural Transfer Tax which has become available since the last appropriation and State Rural Legacy Program grant funding. Appropriations to this project represent a commitment of Agricultural Land Transfer Tax

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP												
<table> <tr> <td>Date First Appropriation</td><td>FY89</td><td>(\$000)</td></tr> <tr> <td>First Cost Estimate</td><td>FY11</td><td>21,588</td></tr> <tr> <td>Current Scope</td><td></td><td></td></tr> <tr> <td>Last FY's Cost Estimate</td><td></td><td>26,756</td></tr> </table>	Date First Appropriation	FY89	(\$000)	First Cost Estimate	FY11	21,588	Current Scope			Last FY's Cost Estimate		26,756	<p>State of Maryland Agricultural Land Preservation Foundation State of Maryland Department of Natural Resources Maryland-National Capital Park and Planning Commission Landowners</p>	
Date First Appropriation	FY89	(\$000)												
First Cost Estimate	FY11	21,588												
Current Scope														
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<table> <tr> <td>Appropriation Request</td><td>FY11</td><td>3,086</td></tr> <tr> <td>Appropriation Request Est.</td><td>FY12</td><td>3,249</td></tr> <tr> <td>Supplemental Appropriation Request</td><td></td><td>5,000</td></tr> <tr> <td>Transfer</td><td></td><td>0</td></tr> </table>	Appropriation Request	FY11	3,086	Appropriation Request Est.	FY12	3,249	Supplemental Appropriation Request		5,000	Transfer		0		
Appropriation Request	FY11	3,086												
Appropriation Request Est.	FY12	3,249												
Supplemental Appropriation Request		5,000												
Transfer		0												
<table> <tr> <td>Cumulative Appropriation</td><td></td><td>8,561</td></tr> <tr> <td>Expenditures / Encumbrances</td><td></td><td>2,696</td></tr> <tr> <td>Unencumbered Balance</td><td></td><td>5,865</td></tr> </table>	Cumulative Appropriation		8,561	Expenditures / Encumbrances		2,696	Unencumbered Balance		5,865					
Cumulative Appropriation		8,561												
Expenditures / Encumbrances		2,696												
Unencumbered Balance		5,865												
<table> <tr> <td>Partial Closeout Thru</td><td>FY08</td><td>49,702</td></tr> <tr> <td>New Partial Closeout</td><td>FY09</td><td>7,383</td></tr> <tr> <td>Total Partial Closeout</td><td></td><td>57,085</td></tr> </table>	Partial Closeout Thru	FY08	49,702	New Partial Closeout	FY09	7,383	Total Partial Closeout		57,085					
Partial Closeout Thru	FY08	49,702												
New Partial Closeout	FY09	7,383												
Total Partial Closeout		57,085												

Ag Land Pres Easements -- No. 788911 (continued)

funds and State Aid to purchase agricultural easements. The Agricultural Transfer Taxes are deposited into an investment income fund, the interest from which is used to fund direct administrative expenses, the purchase of easements, and other agricultural initiatives carried out by the Agricultural Services Division. The program permits the County to take title to the TDRs. These TDRs are an asset that the County may sell in the future, generating revenues for the Agricultural Land Preservation Fund. The County can use unexpended appropriations for this project to pay its share (40 percent) of the cost of easements purchased by the State. Since FY99, the County has received State RLP grant funds to purchase easements for the State through the County. The State allows County reimbursement of three percent for direct administrative costs such as appraisals, title searches, surveys, and legal fees.

Given changes to the Federal Program, Federal Aid funds are no longer programmed in this project.

FISCAL NOTE

Expenditures do not reflect additional authorized payments made from the Agricultural Land Preservation Fund balance to increase financial incentives for landowners.

OTHER DISCLOSURES

- 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.

STORM DRAINS

Facility Planning: Storm Drains -- No. 508180

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Storm Drains
Transportation
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

May 06, 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	5,086	3,386	225	1,475	225	250	250	250	250	250	0
Land	119	119	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	32	32	0	0	0	0	0	0	0	0	0
Other	2	2	0	0	0	0	0	0	0	0	0
Total	5,239	3,539	225	1,475	225	250	250	250	250	250	*

FUNDING SCHEDULE (\$000)

Current Revenue: General	5,138	3,438	225	1,475	225	250	250	250	250	250	0
G.O. Bonds	101	101	0	0	0	0	0	0	0	0	0
Total	5,239	3,539	225	1,475	225	250	250	250	250	250	0

DESCRIPTION

This project provides for the investigation and analysis of various storm drainage assistance requests initiated by private citizens and public agencies. These requests are related to the design, construction, and operation of public drainage facilities where flooding and erosion occur. This project includes expenditures for the preliminary and final design and land acquisition for storm drain projects prior to inclusion in the Storm Drain General project, or as a stand-alone project in the CIP. Prior to its inclusion in the CIP, the Department of Transportation (DOT) will conduct a feasibility study to determine the general and specific features required for the project. Candidate projects currently are evaluated from the "Drainage Assistance Request" list. As part of the facility planning process, DOT considers citizen and public agency requests and undertakes a comprehensive analysis of storm drainage issues and problems being experienced in the County. This analysis is used to select areas where a comprehensive long-term plan for the remediation of a problem may be required. No construction activities are performed in this project. When a design is 35 percent complete, an evaluation is performed to determine if right-of-way is needed. Based on the need for right-of-way, the project may proceed to final design and the preparation of right-of-way plats under this project. The cost of right-of-way acquisition will be charged to the Advanced Land Acquisition Revolving Fund (ALARF). When designs are complete, projects with a construction cost under \$500,000 will be constructed in the Storm Drain General project. Projects with a construction cost over \$500,000 will be constructed in stand-alone projects.

CAPACITY

Projects will be designed to accommodate the ten year storm frequency interval.

COST CHANGE

Cost increase due to addition of FY 15-16 to this ongoing level of effort program, offset by other adjustments to fiscal capacity.

JUSTIFICATION

Evaluation, justification, and cost-benefit analysis are completed by DOT as necessary. In the case of participation projects, the preparation of drainage studies and preliminary plans will be prepared by the requestor's engineer and reviewed by DOT.

OTHER

Before being added as a sub-project, concept studies are evaluated based on the following factors: public safety, damage to private property, frequency of event, damage to public right-of-way, environmental factors such as erosion, general public benefit, availability of right-of-way and 5:1 benefit cost ratio. In the case of public safety or severe damage to private property, the 5:1 benefit (damage prevented) cost ratio can be waived. Drainage assistance requests are evaluated on a continuing basis in response to public requests. DOT maintains a database of complaints.

Construction Projects Completed: Town of Glen Echo, Village of Chevy Chase, Whittier Blvd, Marymont Rd, Springloch Rd, Arrowood Dr.

Candidate Projects for FY 11 and FY 12: Aberdeen Place, Chicago Ave.

OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.
- * Expenditures will continue indefinitely.

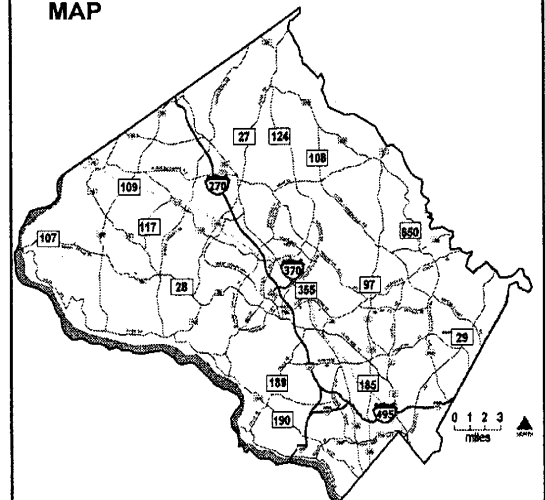
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY81	(\$000)
First Cost Estimate	FY11	5,239
Current Scope		
Last FY's Cost Estimate		4,763
Appropriation Request	FY11	225
Appropriation Request Est.	FY12	250
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,763
Expenditures / Encumbrances		3,742
Unencumbered Balance		21
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

COORDINATION

Montgomery County Department of Environmental Protection
Maryland-National Capital Park and Planning Commission
Maryland Department of the Environment
United States Army Corps of Engineers
Montgomery County Department of Permitting Services
Utility Companies
Annual Sidewalk Program (CIP No. 506747)

MAP



Henderson Avenue Storm Drain & Roadway Improvement -- No. 501108

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Storm Drains
Transportation
Kensington-Wheaton

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 09, 2010
No
None.
Final Design Stage

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	365	0	0	365	150	215	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	3	0	0	3	3	0	0	0	0	0	0
Construction	1,902	0	0	1,902	172	1,730	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	2,270	0	0	2,270	325	1,945	0	0	0	0	0

FUNDING SCHEDULE (\$000)

G.O. Bonds	2,247	0	0	2,247	302	1,945	0	0	0	0	0
Intergovernmental	23	0	0	23	23	0	0	0	0	0	0
Total	2,270	0	0	2,270	325	1,945	0	0	0	0	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				4	0	0	1	1	1	1
Net Impact				4	0	0	1	1	1	1

DESCRIPTION

This project provides for reconstruction of full depth pavement and construction of storm drain improvements along Henderson Avenue from east of Georgia Avenue to its terminus at Wheaton Regional Park. The specific improvements include construction of storm drain system, curb and gutters, bio retention facilities, and reconstruction/resurfacing of the roadway surface within a typical 25-foot roadway section.

CAPACITY

The storm drain design is based on the ten-year storm frequency interval.

ESTIMATED SCHEDULE

Design to be completed in the fall of 2010. Utility relocations to commence in the winter of 2010 and take approximately six months to complete. Construction to start in the summer of 2011 and take approximately 12 months to complete.

JUSTIFICATION

The community has experienced severe flooding of the road, yards, driveways, and garages during rain storms and has repeatedly requested storm drain improvements. The community submitted a petition to the Office of the County Executive to request improvements to the poor drainage condition in the area and deteriorated pavement of Henderson Avenue. As a result of the petition, the design of this project started under Facility Planning: Storm Drains (CIP No. 508180). This project is to alleviate inundation and stagnating water on private properties along Henderson Avenue from east of Georgia Avenue to its terminus at Wheaton Regional Park (approximate length of 2200 linear feet). The installation of proposed storm drain system is followed by the reconstruction/resurfacing of the pavement section. The project would benefit all 40 residences in the community, which are impacted by storm events.

OTHER

The project has been designed under Facility Planning: Storm Drains (CIP No. 508180). Intergovernmental represents Washington Suburban Sanitary Commission's share of utility adjustment costs.

FISCAL NOTE

Intergovernmental revenue is from the Washington Suburban Sanitary Commission for its agreed share of water and sewer relocation costs.

OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY11	(\$000)
First Cost Estimate	FY11	2,270
Current Scope		
Last FY's Cost Estimate		0
Appropriation Request	FY11	2,270
Appropriation Request Est.	FY12	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditures / Encumbrances		0
Unencumbered Balance		0
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

COORDINATION

Maryland-National Capital Park and Planning Commission
Department of Parks
Maryland State Highway Administration (MSHA)
Department of Transportation
Department Technology Services
Department of Permitting Services
Washington Suburban Sanitary Commission
Washington Gas
Pepco
Verizon

MAP

See Map on Next Page



Maple Avenue Storm Drain & Roadway Improvements -- No. 501100

Category Conservation of Natural Resources
Subcategory Storm Drains
Administering Agency Transportation
Planning Area Bethesda-Chevy Chase

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 09, 2010
No
None.
Planning Stage

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	620	0	0	620	280	90	250	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	10	0	0	10	0	0	10	0	0	0	0
Construction	990	0	0	990	0	320	670	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	1,620	0	0	1,620	280	410	930	0	0	0	0

FUNDING SCHEDULE (\$000)

G.O. Bonds	1,510	0	0	1,510	280	300	930	0	0	0	0
Intergovernmental	110	0	0	110	0	110	0	0	0	0	0
Total	1,620	0	0	1,620	280	410	930	0	0	0	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				3	0	0	0	1	1	1
Net Impact				3	0	0	0	1	1	1

DESCRIPTION

This project provides for reconstruction of full depth pavement and construction of storm drain improvements along Maple Avenue from Tilbury Street to about 200 linear feet east of Maryland Avenue (approximate length of 1100 linear feet). The specific improvements will include reconstruction and resurfacing of the roadway, curb and gutters within a 22-foot roadway section, storm drain system (inlets and drain pipes), and adjustment of existing inlets.

CAPACITY

The storm drain design is based on the ten-year storm frequency interval.

ESTIMATED SCHEDULE

Design is expected to commence in the summer of 2010 and be completed by the Fall of 2011. Construction is expected to start in the Spring of 2012 and take approximately 12 months to complete.

JUSTIFICATION

The community has experienced severe flooding of the sidewalks, yards, driveways, garages and basements during rain storms and has requested storm drain improvements. This project is to alleviate stagnating water on the sidewalk and inundation of dwellings along Maple Avenue from Tilbury Street to Maryland Avenue. The installation of proposed storm drain system is followed by the reconstruction/resurfacing of the pavement section. The project would benefit all 24 residences in the community.

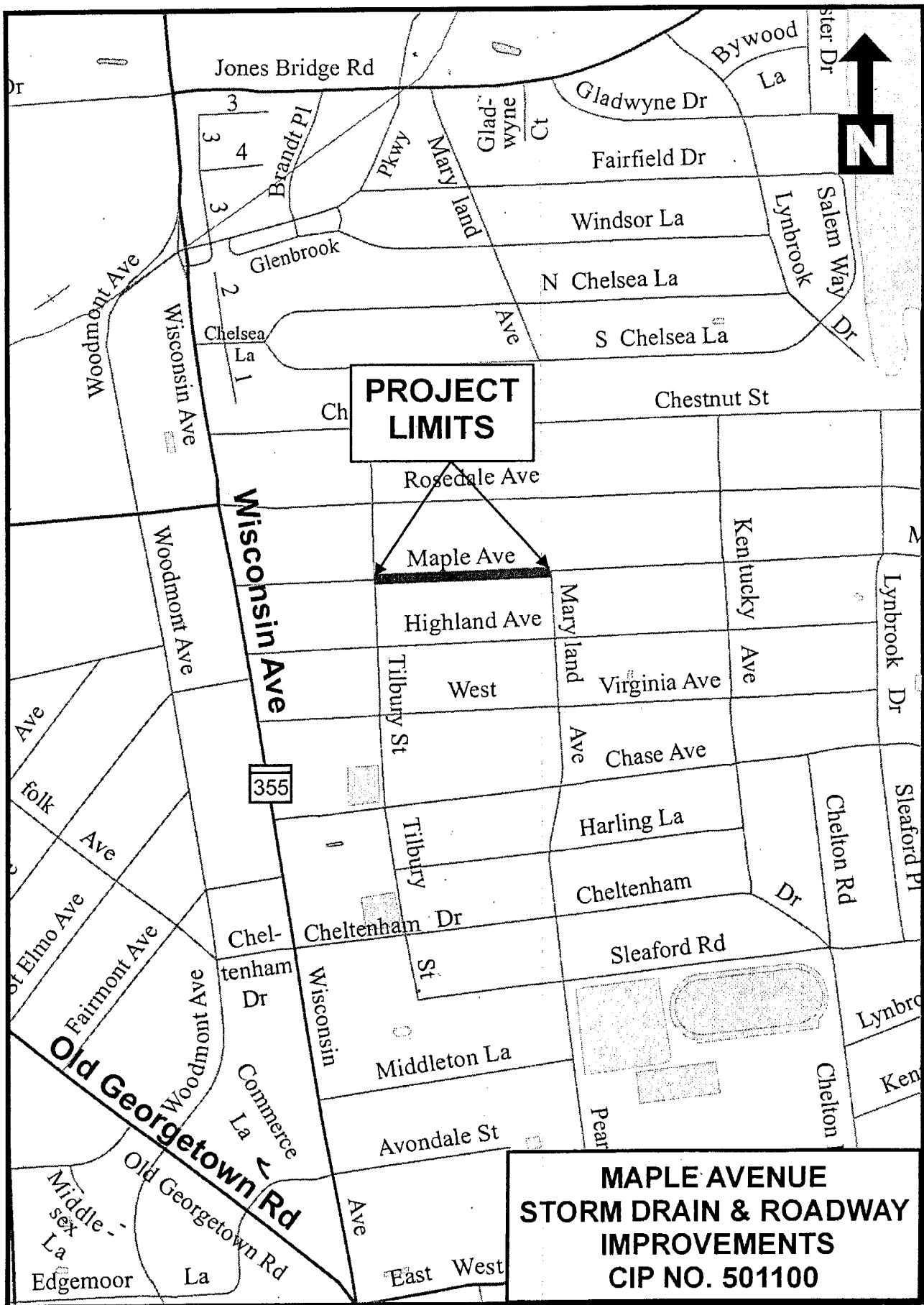
FISCAL NOTE

Intergovernmental revenue is from the Washington Suburban Sanitary Commission for its agreed share of water and sewer relocation costs.

OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP																																										
<table> <tr> <td>Date First Appropriation</td><td>FY11</td><td>(\$000)</td></tr> <tr> <td>First Cost Estimate</td><td>FY11</td><td>1,620</td></tr> <tr> <td>Current Scope</td><td></td><td></td></tr> <tr> <td>Last FY's Cost Estimate</td><td></td><td>0</td></tr> <tr> <td>Appropriation Request</td><td>FY11</td><td>280</td></tr> <tr> <td>Appropriation Request Est.</td><td>FY12</td><td>1,340</td></tr> <tr> <td>Supplemental Appropriation Request</td><td></td><td>0</td></tr> <tr> <td>Transfer</td><td></td><td>0</td></tr> <tr> <td>Cumulative Appropriation</td><td></td><td>0</td></tr> <tr> <td>Expenditures / Encumbrances</td><td></td><td>0</td></tr> <tr> <td>Unencumbered Balance</td><td></td><td>0</td></tr> <tr> <td>Partial Closeout Thru</td><td>FY08</td><td>0</td></tr> <tr> <td>New Partial Closeout</td><td>FY09</td><td>0</td></tr> <tr> <td>Total Partial Closeout</td><td></td><td>0</td></tr> </table>	Date First Appropriation	FY11	(\$000)	First Cost Estimate	FY11	1,620	Current Scope			Last FY's Cost Estimate		0	Appropriation Request	FY11	280	Appropriation Request Est.	FY12	1,340	Supplemental Appropriation Request		0	Transfer		0	Cumulative Appropriation		0	Expenditures / Encumbrances		0	Unencumbered Balance		0	Partial Closeout Thru	FY08	0	New Partial Closeout	FY09	0	Total Partial Closeout		0	Maryland-National Capital Park and Planning Commission Department of Transportation Department of Permitting Services Washington Suburban Sanitary Commission Washington Gas Pepco Verizon	See Map on Next Page
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Partial Closeout Thru	FY08	0																																										
New Partial Closeout	FY09	0																																										
Total Partial Closeout		0																																										



Outfall Repairs -- No. 509948

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Storm Drains
Transportation
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 08, 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	2,405	733	268	1,404	234	234	234	234	234	234	0
Land	10	10	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	3,794	2,479	163	1,152	192	192	192	192	192	192	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	6,209	3,222	431	2,556	426	426	426	426	426	426	*

FUNDING SCHEDULE (\$000)

G.O. Bonds	6,209	3,222	431	2,556	426	426	426	426	426	426	0
Total	6,209	3,222	431	2,556	426	426	426	426	426	426	0

DESCRIPTION

This project provides for the repair of existing storm drain outfalls into stream valleys. Design of corrective measures is included when in-kind replacement of original outfall structures is not feasible. Candidate outfall repairs are selected from citizen and public agency requests. The Department of Environmental Protection's (DEP) Miscellaneous Stream Valley Improvements project generates and assists in rating the outfalls, which are identified as that project expands into additional watersheds.

COST CHANGE

Cost increase due to addition of FY 15-16 to this on-going level of effort program.

JUSTIFICATION

Collapsed storm drain pipe sections, undermined endwalls, and eroded outfall channels create hazardous conditions throughout the County. The course of drainage could be altered endangering private property or public roads and speeding the erosion of stream channels. Erosion from damaged outfalls results in heavy sediment load being carried downstream that can severely impact aquatic ecosystems and exacerbate existing downstream channel erosion.

As part of its watershed restoration inventories, DEP identifies storm drain outfalls that are in need of repair in County stream valleys and respective watersheds. As this program expands to include additional watersheds, each outfall is categorized and, where damaged, rated. A functional rating and evaluation process is used to prioritize each outfall.

OTHER

The number of outfall locations being repaired per year varies based on the severity of the erosion and damage, the complexity of the design, and the complexity of the needed restorative construction work.

Completed Outfalls in FY09: 2600 Loma St, 6101 Broad St, Brookside Dr, 13103 Quail Creek Ct, 7920 Declaration Dr, 4301 Banff Spring Ct, 3 Whippoorwill Ct, 3963 Wendy Ct, Wexford Dr, Denfeld Ave, 10300 Parkwood Dr, 8829 Ridge Dr, 11705 Ibsen Dr, 9200 Harrington Rd.

Scheduled for repairs (FY10 - beyond): 4500 Tournay Rd, Sweetbirch Dr, 7329 Oskaloosa Dr, 10605 Willowbrook Dr, 103 Bluff Terr, Pinehurst at Beech, 6207 Cromwell Dr, Woodman Ave, Bucknell Dr.

OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.
- * Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY99	(\$000)
First Cost Estimate	FY11	6,209
Current Scope	FY11	6,209
Last FY's Cost Estimate		5,357
Appropriation Request	FY11	426
Appropriation Request Est.	FY12	426
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,653
Expenditures / Encumbrances		3,599
Unencumbered Balance		54
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

COORDINATION

Department of Environmental Protection
Maryland-National Capital Park and Planning Commission
Maryland Department of the Environment
United States Army Corps of Engineers
Montgomery County Department of Permitting Services
Utility Companies
Miscellaneous Stream Valley Improvements

MAP

Storm Drain General -- No. 500320

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Storm Drains
Transportation
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 09, 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	2,618	444	74	2,100	350	350	350	350	350	350	0
Land	62	62	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	8,478	5,778	0	2,700	450	450	450	450	450	450	0
Other	1	1	0	0	0	0	0	0	0	0	0
Total	11,159	6,285	74	4,800	800	800	800	800	800	800	*

FUNDING SCHEDULE (\$000)

G.O. Bonds	10,769	5,969	0	4,800	800	800	800	800	800	800	0
Intergovernmental	228	154	74	0	0	0	0	0	0	0	0
State Aid	162	162	0	0	0	0	0	0	0	0	0
Total	11,159	6,285	74	4,800	800	800	800	800	800	800	0

DESCRIPTION

This project provides the flexibility to construct various sub-projects that might otherwise be delayed for lack of funds or difficulty in acquiring right-of-way. This project provides for right-of-way acquisition and construction for storm drain projects resulting from the Drainage Assistance Request program. Individual projects range from retrofitting existing storm drainage systems to developing new drainage systems required to upgrade the existing systems in older subdivisions. Projects formerly handled through the Neighborhood Storm Drain Improvements project are usually small, unanticipated projects initiated by requests from citizens whose homes and properties are subject to severe flooding or erosion and where there is a demonstrated need for early relief. Potential new storm drain projects are studied under the Facility Planning: Storm Drain project. Concept studies are evaluated based on the following factors: public safety, damage to private property and frequency of event, damage to public right-of-way, environmental factors such as erosion, general public benefit, availability of right-of-way and 5:1 benefit (damage prevented) cost ratio. After the completion of facility planning, projects with construction estimated to cost less than \$500,000 are included in this project. Prompt relief is frequently achieved by the use of Department of Transportation (DOT) personnel to construct and provide construction management. The project also facilitates financial participation with developers up to 50 percent share of construction cost for storm drainage projects where such construction would yield a public benefit to properties other than that of homeowner or developers. Right-of-way is acquired under the Advanced Land Acquisition Revolving Fund (ALARF).

CAPACITY

Projects will be designed to accommodate the ten year storm frequency interval.

COST CHANGE

Cost increase due to addition of FY 15-16 to this on-going program and increasing construction contract costs.

OTHER

On participation projects cost sharing between the County and either homeowners or developers varies and is based upon a signed letter of understanding. Some funds from this project will go to support the Renew Montgomery program.

Completed Projects in FY 08 and 09: Linden Ln, Eldrid Dr, Johnson Ave, Longdraft Rd, Warfield Rd, Springloch Rd, Whittier Blvd, Arrowood Rd, Marymont Rd, 77th St, 76th St, Kennett St, Roosevelt St, Whightman Rd, Red Lion Rd, Jones Bridge Ct, Delmont Ln.

Projects to be completed in FY 10: Tucker Ln, Muncaster Rd, Midvale Rd.

OTHER DISCLOSURES

- A pedestrian impact analysis will be performed during design or is in progress.
- 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.
- * Expenditures will continue indefinitely.

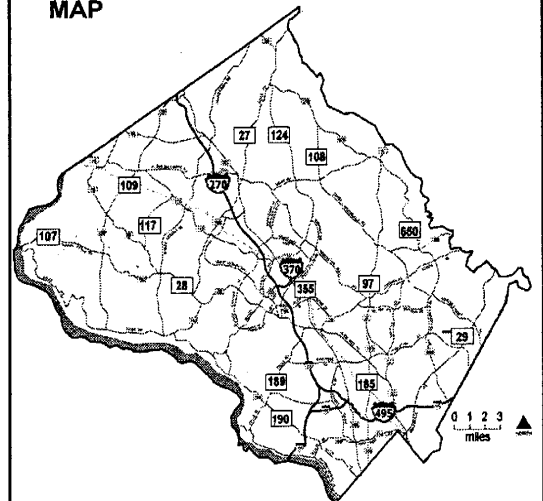
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY03	(\$000)
First Cost Estimate	FY11	11,159
Current Scope		
Last FY's Cost Estimate		8,759
Appropriation Request	FY11	1,600
Appropriation Request Est.	FY12	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		6,359
Expenditures / Encumbrances		6,300
Unencumbered Balance		59
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

COORDINATION

Montgomery County Department of Environmental Protection
Maryland-National Capital Park & Planning Commission
Maryland Department of the Environment
United States Army Corps of Engineers
Montgomery County Department of Permitting Services
Utility Companies
Annual Sidewalk Program

MAP



Town of Chevy Chase Storm Drain Improvements -- No. 500808

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Storm Drains
Transportation
Bethesda-Chevy Chase

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

May 20, 2010
No
None.
Final Design Stage

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	1,090	884	61	145	70	0	75	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	2,160	855	0	1,305	620	0	685	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	3,250	1,739	61	1,450	690	0	760	0	0	0	0

FUNDING SCHEDULE (\$000)

G.O. Bonds	3,250	1,739	61	1,450	690	0	760	0	0	0	0
Total	3,250	1,739	61	1,450	690	0	760	0	0	0	0

DESCRIPTION

This project provides for the evaluation of the drainage conditions within the Town of Chevy Chase and construction in the four most critical sectors. The Town is divided into fourteen drainage areas (sectors). Design for four sectors was completed in the Facility Planning: Storm Drain project. Ten sectors will be evaluated in two additional phases and if the existing facilities are found to be inadequate, design will be developed for the necessary drainage improvements. Phase 2 will implement the needed drainage improvements in the northwest part of the town. Phase 3 will address the remaining areas along the east side of the town.

ESTIMATED SCHEDULE

Design for phase 2 complete. Construction for phase 2 is expected to commence by the summer of 2010 and take approximately 12 months to complete. Design and construction of phase 3 to be completed in FY13.

COST CHANGE

Increase is due to the construction of drainage improvements in the remainder of the town (phase 2 and phase 3 construction).

JUSTIFICATION

Private properties and portions of the roadways within the Town of Chevy Chase are inundated during every rainfall event. This project was initiated at the request of the Town of Chevy Chase to address these severe drainage deficiencies.

Construction for the 4 sectors in FY 08 included improvements along East Avenue, Oakridge Avenue, Maple Avenue, Thornapple Street, Stanford Street, Chatham Road, Meadow Lane, Blackthorn Street, Woodbine Street, Leland Street, and Aspen Street. These improvements are complete. Evaluation of the drainage conditions in the remainder of the town was completed in FY 09.

OTHER DISCLOSURES

- A pedestrian impact analysis has been completed for this project.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY08	(\$000)
First Cost Estimate	FY11	3,250
Current Scope		
Last FY's Cost Estimate		1,800

Appropriation Request	FY11	690
Appropriation Request Est.	FY12	0
Supplemental Appropriation Request		0
Transfer		0

Cumulative Appropriation	1,800
Expenditures / Encumbrances	1,792
Unencumbered Balance	8

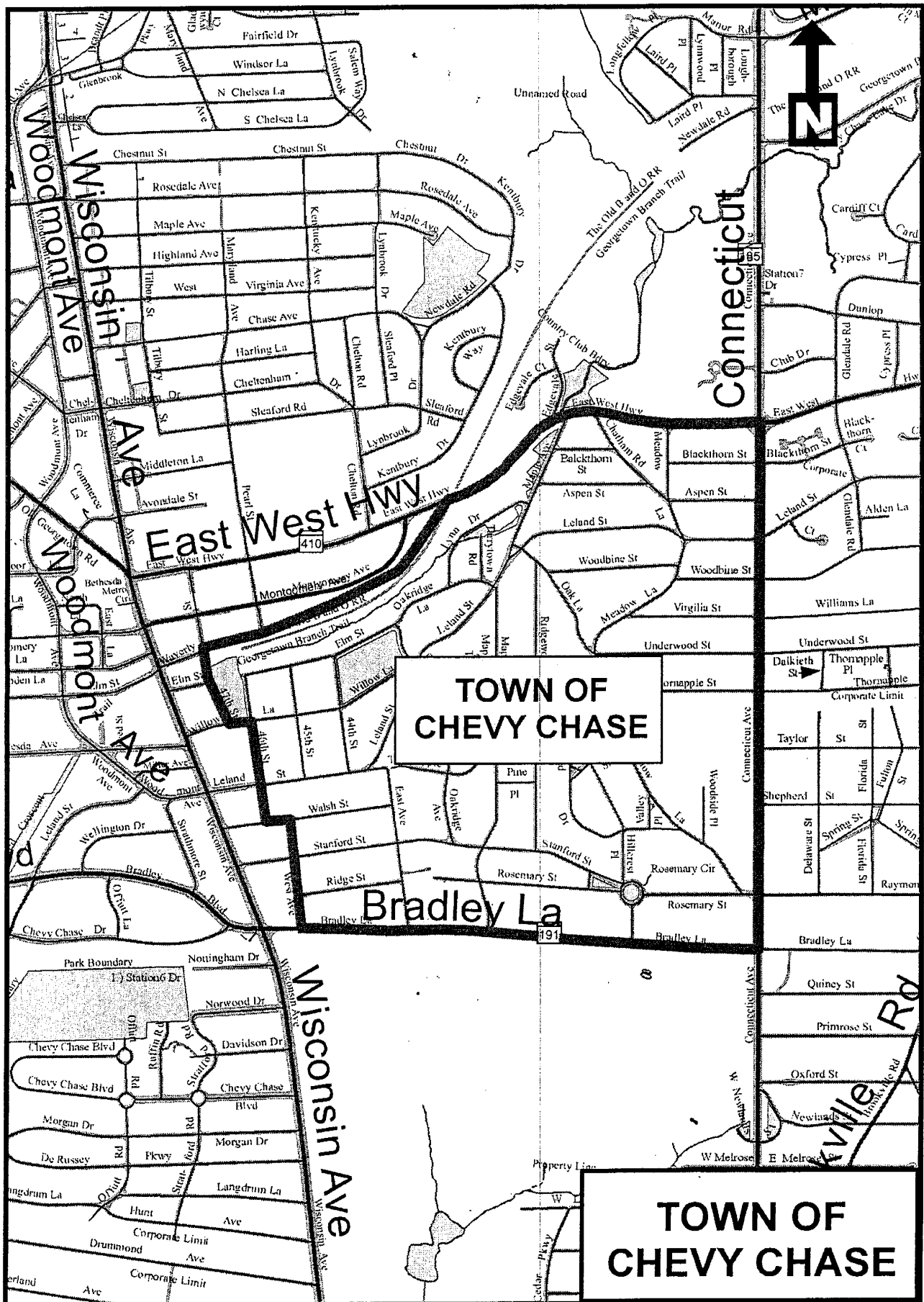
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

COORDINATION

Facility Planning: Storm Drains
Town of Chevy Chase
Department of Permitting Services
Washington Suburban Sanitary Commission
Washington Gas
Utility Companies

MAP

See Map on Next Page



Stormwater Management

Facility Planning: SM -- No. 809319

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Stormwater Management
Environmental Protection
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

May 06, 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	13,420	5,505	890	7,025	925	1,200	1,350	1,350	1,100	1,100	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	42	42	0	0	0	0	0	0	0	0	0
Total	13,462	5,547	890	7,025	925	1,200	1,350	1,350	1,100	1,100	*

FUNDING SCHEDULE (\$000)

Current Revenue: General	5,000	4,610	390	0	0	0	0	0	0	0	0
State Aid	140	140	0	0	0	0	0	0	0	0	0
Stormwater Management Waiver Fees	797	797	0	0	0	0	0	0	0	0	0
Water Quality Protection Charge	7,525	0	500	7,025	925	1,200	1,350	1,350	1,100	1,100	0
Total	13,462	5,547	890	7,025	925	1,200	1,350	1,350	1,100	1,100	0

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 design (LID), and stream restoration projects. In addition, facility planning serves as a transition stage for a project. 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; 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.

COST CHANGE

Cost increase is to meet the requirements of the County's new National Pollutant Discharge Elimination System (NPDES) stormwater permit for municipal stormwater discharges (MS-4) which requires watershed assessments.

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. 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.

OTHER

Ongoing projects are in the Muddy Branch, Great Seneca Creek, and Anacostia watersheds. Projects planned for FY11-12 include: completion of a study to identify stormwater retrofit opportunities at County school properties; initiation of watershed studies in the Patuxent River, Upper and Lower Potomac River small tributaries, and Little Monocacy River watersheds; and Phase II of the Anacostia Watershed Restoration Study. This project also provides for operation of an automated fixed monitoring station required by the NPDES permit.

FISCAL NOTE

Programmed General Fund current revenue replaced with Water Quality Protection Charge revenue.

OTHER DISCLOSURES

- 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.
- * Expenditures will continue indefinitely.

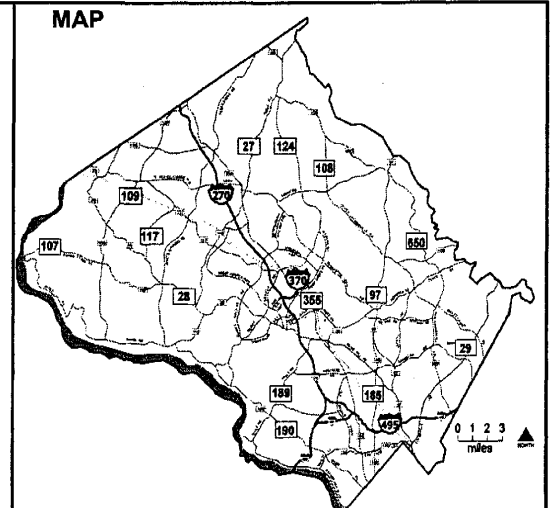
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY93	(\$000)
First Cost Estimate	FY11	13,462
Current Scope		
Last FY's Cost Estimate		8,137
Appropriation Request	FY11	925
Appropriation Request Est.	FY12	1,200
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		6,437
Expenditures / Encumbrances		6,014
Unencumbered Balance		423
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

COORDINATION

Maryland-National Capital Park and Planning Commission
U. S. Army Corps of Engineers
Washington Suburban Sanitary Commission
Department of Transportation
Montgomery County Public Schools

MAP



Misc Stream Valley Improvements -- No. 807359

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Stormwater Management
Environmental Protection
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 08, 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	4,150	0	970	3,180	530	530	530	530	530	530	0
Land	64	0	34	30	5	5	5	5	5	5	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	7,132	0	1,972	5,160	860	860	860	860	860	860	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	11,346	0	2,976	8,370	1,395	1,395	1,395	1,395	1,395	1,395	*

FUNDING SCHEDULE (\$000)

Federal Aid	0	0	0	0	0	0	0	0	0	0	0
G.O. Bonds	801	0	801	0	0	0	0	0	0	0	0
State Aid	2,788	0	1,258	1,530	255	255	255	255	255	255	0
Stormwater Management Waiver Fees	233	0	233	0	0	0	0	0	0	0	0
Water Quality Protection Bonds	6,840	0	0	6,840	1,140	1,140	1,140	1,140	1,140	1,140	0
Water Quality Protection Charge	684	0	684	0	0	0	0	0	0	0	0
Total	11,346	0	2,976	8,370	1,395	1,395	1,395	1,395	1,395	1,395	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				294	14	28	42	56	70	84
Net Impact				294	14	28	42	56	70	84

DESCRIPTION

This project designs and constructs habitat restoration or stabilization measures for stream reaches having severe channel erosion, sedimentation, and habitat degradation. Absent modern stormwater controls, the stream environment is impacted by excessive stream flow volumes and velocities which severely erode stream banks and cause excessive sedimentation, loss of trees, loss of habitat for fish and aquatic life, and/or local flooding damage. Damaged storm drain outfalls in project areas are identified and assessed to determine repair needs. Where possible, outfalls are repaired as part of stream restoration projects and funded from the Outfall Repairs project (PDF No. 509948). When feasible, outfall discharges are redirected to create small constructed wetlands which provide new habitat and mitigate discharge impacts. Stream erosion impacts sanitary sewers crossing the stream, exposing sewer lines and manholes. Exposed and damaged sewer lines can be fish barriers and can leak raw sewage into streams or allow infiltration of stream baseflow into the sewer system, potentially causing substantial increases in wastewater treatment costs. The Department of Environmental Protection identifies damaged sewer lines as part of the project, and the Washington Suburban Sanitary Commission makes sewer repairs during project construction.

COST CHANGE

Increase due to the addition of FY15 and FY16 (less FY09 partial closeout) to this ongoing project.

JUSTIFICATION

The project will stabilize and improve local stream habitat conditions where streams have been damaged by inadequately controlled stormwater runoff. This project supports the Chesapeake Bay initiatives and the Anacostia Watershed Restoration Agreement, addresses the County's municipal National Pollutant Discharge Elimination System (NPDES) stormwater discharge permit requirements, and implements the County's adopted water quality goals (Chapter 19, Article IV). Corrective measures constructed or coordinated under this project include stream bank stabilization, channel modifications, storm drain outfall or sanitary sewer repairs, and habitat restoration to improve fish and other biological resources, while reducing sediment and nutrient loading caused by excessive streambank erosion. Watershed studies, conducted under the Facility Planning: SM project (PDF No. 809319), identify and prioritize stream reaches in need of restoration and protection.

OTHER

Remedial project activities are primarily located in areas developed prior to the County's Stormwater Management law.

Phased project groupings planned for FY11-12 are as follows. Construction FY11: Donnybrook tributary, Hollywood Branch I. Design FY11 and construction FY12: Breewood tributary. Design FY12: Cold Spring tributary, Snowdens Mill, and Stonybrook tributary.

FISCAL NOTE

Programmed G.O. bonds and Water Quality Protection Charge revenue replaced with Water Quality Protection bonds.

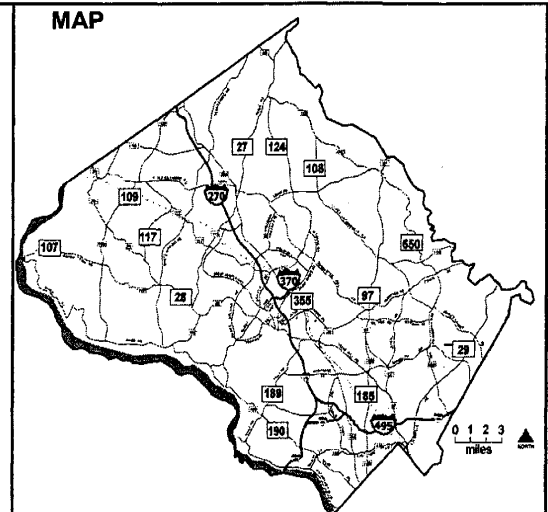
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY73	(\$000)
First Cost Estimate	FY11	11,346
Current Scope		
Last FY's Cost Estimate		9,149
Appropriation Request	FY11	1,395
Appropriation Request Est.	FY12	1,395
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		2,976
Expenditures / Encumbrances		813
Unencumbered Balance		2,163
Partial Closeout Thru	FY08	12,601
New Partial Closeout	FY09	593
Total Partial Closeout		13,194

COORDINATION

Department of Transportation
Maryland-National Capital Park and Planning Commission
Washington Suburban Sanitary Commission
Department of Permitting Services

MAP



Misc Stream Valley Improvements -- No. 807359 (continued)

OTHER DISCLOSURES

- 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.
- * Expenditures will continue indefinitely.

SM Facility Major Structural Repair -- No. 800700

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Stormwater Management
Environmental Protection
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 08, 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	3,425	252	398	2,775	390	405	480	495	495	510	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	8,825	1,237	1,113	6,475	910	945	1,120	1,155	1,155	1,190	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	12,250	1,489	1,511	9,250	1,300	1,350	1,600	1,650	1,650	1,700	*

FUNDING SCHEDULE (\$000)

Water Quality Protection Bonds	9,250	0	0	9,250	1,300	1,350	1,600	1,650	1,650	1,700	0
Water Quality Protection Charge	3,000	1,489	1,511	0	0	0	0	0	0	0	0
Total	12,250	1,489	1,511	9,250	1,300	1,350	1,600	1,650	1,650	1,700	0

DESCRIPTION

This project provides for the design and construction of major structural repairs to County-maintained stormwater management facilities. The County is responsible for structural maintenance of over 1,700 stormwater management facilities to keep the facilities operating safely and as hydrologically intended for flood and erosion control and pollutant removal. Older stormwater facilities require more extensive maintenance as ponds fill with sediment, pipes rust, concrete structures crack and deteriorate, and dam embankments develop leaks. Major storms such as hurricanes can also cause extensive damage to stormwater management facilities. Such problems require extensive engineering analysis and design, necessitate the use of heavy construction equipment, and take many months to design and repair.

COST CHANGE

Increase FY11-12 costs to provide for repairs to County-maintained stormwater management facilities affected by construction of the Inter-County Connector (ICC). This will allow the Department of Environmental Protection to take advantage of a one-time opportunity for savings and other benefits by coordinating these repairs with the simultaneous retrofit of stormwater ponds by the Maryland State Highway Administration as part of ICC construction. Increase FY13-16 for program growth due to the age of the stormwater management facilities in the program and the addition of FY15 and FY16 to this ongoing project.

JUSTIFICATION

This project provides for major structural repairs. It is limited to funding repairs at those few, generally large, facilities that require extensive engineering design and permitting that cannot be accomplished within a single fiscal year due to the time required to obtain State and Federal permits. Regularly recurring maintenance and limited repair work, which can be achieved within a shorter time frame and have estimated repair costs of less than \$25,000, are funded through the Water Quality Protection Fund in the operating budget.

OTHER

FY11 projects include: Montgomery Autopark, Brookville Department of Transportation Depot, Hunters Woods/Blue Smoke Court, and Gunners Lake. FY12 projects include: B'Nai Israel, Colony Pond, and Lake Whetstone.

FISCAL NOTE

Programmed Water Quality Protection Charge revenue replaced with Water Quality Protection Bonds.

OTHER DISCLOSURES

- * Expenditures will continue indefinitely.

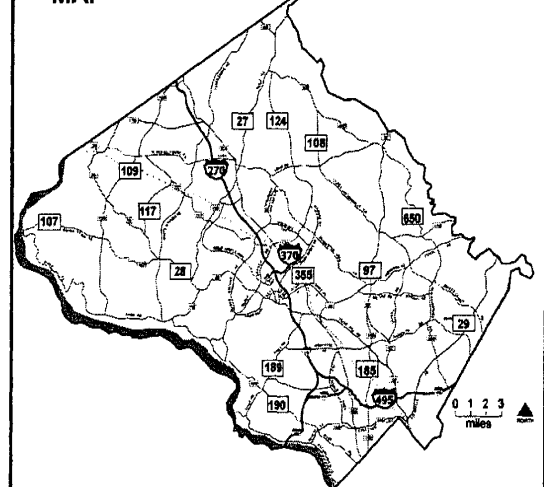
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY07	(\$000)
First Cost Estimate	FY11	12,250
Current Scope		
Last FY's Cost Estimate		7,400
Appropriation Request	FY11	1,300
Appropriation Request Est.	FY12	1,350
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,000
Expenditures / Encumbrances		1,987
Unencumbered Balance		1,013
Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

COORDINATION

Department of Transportation
Maryland-National Capital Park and Planning Commission
Department of Permitting Services
Homeowners Associations
Montgomery County Public Schools
Department of General Services

MAP



SM Retrofit - Government Facilities -- No. 800900

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Stormwater Management
Environmental Protection
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 08, 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	11,369	203	276	10,890	1,390	1,900	1,900	1,900	1,900	1,900	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	17,788	0	703	17,085	2,085	3,000	3,000	3,000	3,000	3,000	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	29,157	203	979	27,975	3,475	4,900	4,900	4,900	4,900	4,900	*

FUNDING SCHEDULE (\$000)

Water Quality Protection Bonds	27,975	0	0	27,975	3,475	4,900	4,900	4,900	4,900	4,900	0
Water Quality Protection Charge	1,182	203	979	0	0	0	0	0	0	0	0
Total	29,157	203	979	27,975	3,475	4,900	4,900	4,900	4,900	4,900	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				1,884	69	167	265	363	461	559	
Net Impact				1,884	69	167	265	363	461	559	

DESCRIPTION

This project provides for the design and construction of Low Impact Design (LID) stormwater management devices at County facilities such as buildings, parking garages, schools, and roads that were constructed without stormwater management controls. LID stormwater devices include "Green Roofs," bioretention areas, rain gardens, tree box inlets, and other types of devices that promote water filtering and groundwater discharge. Adding new stormwater controls in developed areas which lack such controls is required in the County's National Pollutant Discharge Elimination System (NPDES) Municipal Stormwater Discharge Permit.

COST CHANGE

Cost increase due to increased project scope to meet the requirements of the new NPDES Municipal Separate Storm Sewer System (MS-4) permit and the addition of FY15 and FY16 to this ongoing project. To help comply with the new MS-4 requirement to control stormwater on 20% of impervious surfaces not currently treated, additional subprojects have been programmed from the Department's inventory of potential stormwater retrofit projects for government facilities. These include, in addition to the projects listed below under "Other," the Wheaton Police Station, Bushy Drive Recreation Center, Colesville Park and Ride, Board of Elections, Silver Spring Regional Center, Western County Outdoor Pool, Germantown MARC Rail Park and Ride, Kingsview Park and Ride, Germantown Recreation Center, Fire Station 25 in Aspen Hill, Greencastle Park and Ride, Wheaton Woods public right of way, Grenoble Drive, Laytonsville Elementary School, Steven Knolls School, and other projects still to be determined..

JUSTIFICATION

This project will improve water quality and enhance local streams. The project supports the goals of the Chesapeake Bay tributary strategy initiatives, addresses the National Pollutant Discharge Elimination System (NPDES) discharge permit requirements, and implements the County's adopted water quality goals (Chapter 19, Article IV). The County's new NPDES Municipal Separate Storm Sewer System (MS-4) permit requires that the County provide stormwater controls for 20% (about 5,200 acres) of impervious surfaces not currently treated "to the maximum extent practicable," with an emphasis, where possible, on the use of low impact design (LID) devices. This project will be responsible for controlling stormwater, largely through the use of LID, on a significant portion of the impervious area needed to satisfy the permit requirement. An inventory of potential projects was developed for 55 County government facilities. An inventory of Montgomery County Public Schools (MCPS) school sites is being developed under the Facility Planning: SM project (PDF No. 809319) starting in FY10.

OTHER

FY11 projects include Aspen Hill and Kensington Park libraries, Longwood Community Center, Little Falls Library, Arcola Avenue/Amherst Avenue, Breewood Manor neighborhood roads, Lockwood Drive, Donnybrook Drive, Ridgeview Middle School, and Cold Spring Elementary School. FY12 projects will be selected from Department of Environmental Protection project inventories.

FISCAL NOTE

Programmed Water Quality Protection Charge revenue replaced with Water Quality Protection bonds.

OTHER DISCLOSURES

- * Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY09	(\$000)
First Cost Estimate	FY11	29,157
Current Scope		
Last FY's Cost Estimate		3,546

Appropriation Request	FY11	3,475
Appropriation Request Est.	FY12	4,900
Supplemental Appropriation Request		0
Transfer		0

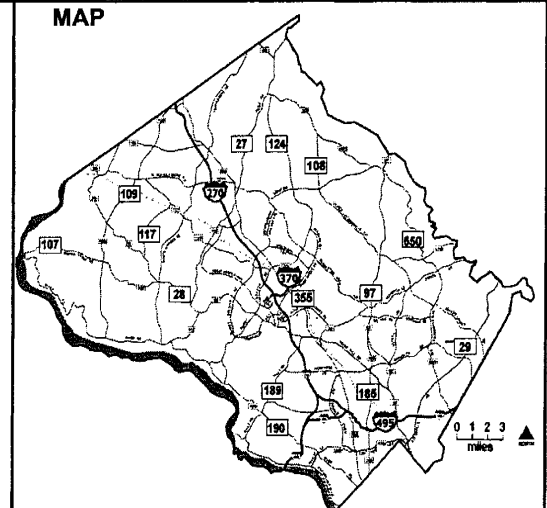
Cumulative Appropriation		1,182
Expenditures / Encumbrances		687
Unencumbered Balance		495

Partial Closeout Thru	FY08	0
New Partial Closeout	FY09	0
Total Partial Closeout		0

COORDINATION

Department of General Services
Department of Transportation
Montgomery County Public Schools
Maryland-National Capital Park and Planning Commission
Department of Permitting Services

MAP



SM Retrofit: Countywide -- No. 808726

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Stormwater Management
Environmental Protection
Countywide

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 08, 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	14,567	0	192	14,375	500	675	3,000	3,200	4,000	3,000	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	42,257	0	4,622	37,635	1,285	1,750	8,000	8,300	10,400	7,900	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	56,824	0	4,814	52,010	1,785	2,425	11,000	11,500	14,400	10,900	*

FUNDING SCHEDULE (\$000)

Fed Stimulus (State Allocation)	212	0	212	0	0	0	0	0	0	0	0
Federal Aid	299	0	299	0	0	0	0	0	0	0	0
G.O. Bonds	317	0	317	0	0	0	0	0	0	0	0
State Aid	7,193	0	3,743	3,450	575	575	575	575	575	575	0
Water Quality Protection Bonds	48,560	0	0	48,560	1,210	1,850	10,425	10,925	13,825	10,325	0
Water Quality Protection Charge	243	0	243	0	0	0	0	0	0	0	0
Total	56,824	0	4,814	52,010	1,785	2,425	11,000	11,500	14,400	10,900	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				7,180	89	221	781	1,360	2,090	2,639	
Net Impact				7,180	89	221	781	1,360	2,090	2,639	

DESCRIPTION

This project provides for the design and construction of stormwater management retrofit projects. The Department of Environmental Protection (DEP) conducts assessments of watershed management needs and related facility planning evaluations of retrofit project alternatives under Facility Planning: SM (PDF No. 809319). Based upon the results of these evaluations, specific retrofit projects are designed and constructed. Adding new stormwater controls in developed areas which lack such controls is required in the County's National Pollutant Discharge Elimination System (NPDES) Municipal Stormwater Discharge Permit. Where feasible, designs of retrofit projects include wetland features to add habitat and help address wetland goals of the Chesapeake Bay 2000 Agreement. In small drainage areas, retrofit projects may also include biofiltration, bioretention, or stormwater filtering devices.

COST CHANGE

Cost increase due to increased scope to meet the requirements of the new NPDES Municipal Separate Storm Sewer System (MS-4) permit and the addition of FY15 and FY16 (less FY09 partial closeout) to this ongoing project. To help comply with the new MS-4 requirement to control stormwater on 20% of impervious surfaces not currently treated, additional subprojects have been programmed through FY16 from the Department's inventory of potential stormwater retrofit projects. These include, in addition to the projects listed below under "Other," new retrofit projects in the Rock Creek, Paint Branch, Northwest Branch, Cabin John Creek/Watts Branch, Muddy Branch, and Great Seneca Creek watersheds.

JUSTIFICATION

This project will improve water quality and improve and protect habitat conditions in local streams. The project supports the goals of the Chesapeake Bay tributary strategy initiatives and the Anacostia Watershed Restoration Agreement; addresses County municipal National Pollutant Discharge Elimination System (NPDES) discharge permit requirements; and implements the County's adopted water quality goals (Chapter 19, Article IV). The County's new NPDES Municipal Separate Storm Sewer System (MS-4) permit requires that the County provide stormwater controls for 20% (about 5,200 acres) of impervious surfaces not currently treated "to the maximum extent practicable." This project will be responsible for controlling stormwater on a large proportion of the impervious area needed to satisfy this permit requirement. Inventories of potential projects have been conducted under the Facility Planning: SM project in the Paint Branch, Rock Creek, Cabin John Creek, Hawlings River, Watts Branch, and Northwest Branch watersheds.

OTHER

Construction FY11 - National Institutes of Health, Brookville Depot, Pueblo Court, Knightsbridge/Chase Ridge, Hunters Woods (Blue Smoke Court), Fallsberry, and Verizon. Construction FY12 - Falls Reach, Dumont Oaks II, and other projects to be determined.

FISCAL NOTE

Programmed G.O. bonds and Water Quality Protection Charge revenue replaced with Water Quality Protection bonds. FY10 funding in the amount of \$212,000 for the Germantown Estates Stormwater Management Retrofit subproject provided under an American Recovery and Reinvestment Act (ARRA) stimulus grant through the Maryland Department of the Environment's 2008 Water Quality State Revolving Fund Amended Intended Use Plan.

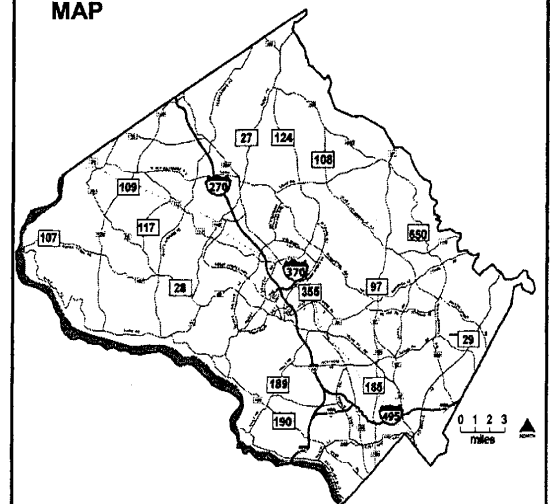
APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY87	(\$000)
First Cost Estimate	FY11	56,824
Current Scope		
Last FY's Cost Estimate		9,977
Appropriation Request	FY11	1,785
Appropriation Request Est.	FY12	2,425
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,814
Expenditures / Encumbrances		1,106
Unencumbered Balance		3,708
Partial Closeout Thru	FY08	11,645
New Partial Closeout	FY09	623
Total Partial Closeout		12,268

COORDINATION

Department of Transportation
Maryland National Capital Park and Planning Commission
Department of Permitting Services
Maryland Department of the Environment
Natural Resources Conservation Service
U.S. Army Corps of Engineers

MAP



SM Retrofit: Countywide -- No. 808726 (continued)

OTHER DISCLOSURES

- 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.
- * Expenditures will continue indefinitely.

Watershed Restoration - Interagency -- No. 809342

Category
Subcategory
Administering Agency
Planning Area

Conservation of Natural Resources
Stormwater Management
Environmental Protection
Colesville-White Oak

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

January 08, 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	2,919	2,426	133	360	0	100	60	100	100	0	0
Land	129	2	127	0	0	0	0	0	0	0	0
Site Improvements and Utilities	289	0	214	75	0	75	0	0	0	0	0
Construction	2,550	0	1,340	1,210	0	0	390	410	410	0	0
Other	1	1	0	0	0	0	0	0	0	0	0
Total	5,888	2,429	1,814	1,645	0	175	450	510	510	0	0

FUNDING SCHEDULE (\$000)

G.O. Bonds	527	0	527	0	0	0	0	0	0	0	0
Stormwater Management Waiver Fees	3,686	2,429	1,257	0	0	0	0	0	0	0	0
Water Quality Protection Bonds	1,645	0	0	1,645	0	175	450	510	510	0	0
Water Quality Protection Charge	30	0	30	0	0	0	0	0	0	0	0
Total	5,888	2,429	1,814	1,645	0	175	450	510	510	0	0

OPERATING BUDGET IMPACT (\$000)

Maintenance				234	0	0	0	30	78	126
Net Impact				234	0	0	0	30	78	126

DESCRIPTION

This project provides for the design and construction of stormwater management retrofit and stream restoration projects which manage stormwater runoff and enhance aquatic habitat and biological resource quality in County streams. The projects are done under interagency agreements with the U.S. Army Corps of Engineers (COE). The first two agreements, which were signed in 1992 and 1997, were limited to subwatersheds within the Anacostia watershed. In FY04, the COE expanded project eligibility to include all County subwatersheds within the Mid-Potomac watershed. The feasibility study and the design and construction of the projects selected in Montgomery County will be managed by the U.S. Army Corps of Engineers with assistance from the Department of Environmental Protection and Maryland-National Capital Park and Planning Commission.

ESTIMATED SCHEDULE

Construction on the Northwest Branch is expected to start in FY10. The FY11-16 schedule for this project has slipped by one year due to delays encountered by the Corps of Engineers. A Phase III feasibility study agreement for Muddy Branch and Great Seneca Creek is underway within the Facility Planning: SM project (PDF No. 809319) which will identify individual project sites for inclusion in the project beginning in FY12.

JUSTIFICATION

This project will improve local stream water quality, protect waterway conditions, and enhance wildlife and aquatic habitats in the Montgomery County segments of the Sligo Creek, Northwest Branch, Paint Branch, and Little Paint Branch tributaries within the interjurisdictional Anacostia River watershed and in the Muddy Branch, Great Seneca, and other Mid-Potomac River subwatersheds. The project supports the goals of the Chesapeake Bay initiatives, the Anacostia Watershed Restoration Agreement, and addresses the County's municipal National Pollutant Discharge Elimination System (NPDES) stormwater discharge permit requirements.

"Anacostia River Basin Reconnaissance Study," Corps of Engineers; "Anacostia River and Tributaries District of Columbia and Maryland, Integrated Feasibility Report and Final Environmental Impact Statement," Corps of Engineers, July 1994; "Anacostia River and Tributaries, District of Columbia and Maryland, Northwest Branch Watershed, Montgomery County, Feasibility Report and Integrated Environmental Impact Statement," Corps of Engineers, July 2000; and "Anacostia River Watershed Restoration Plan," Corps of Engineers, February 2010. The Great Seneca Creek/Muddy Branch Feasibility Study is scheduled for completion in September 2010.

OTHER

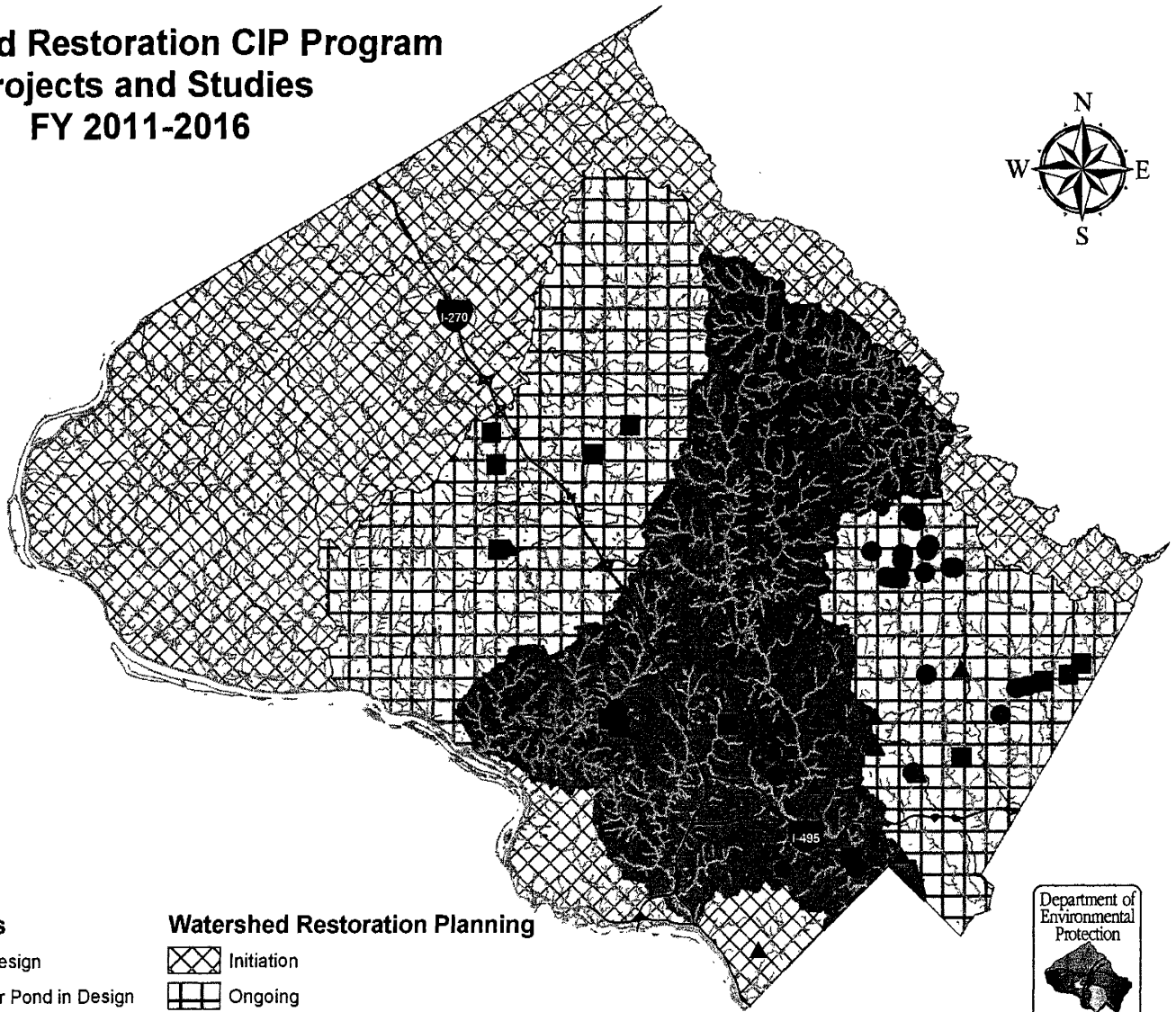
This project is funded through a Federal cost-share agreement, with the Federal government paying for 75 percent of construction costs for projects designed under the Anacostia Phase I Feasibility Study, and 65 percent of construction costs for projects designed under the subsequent agreements. Expenditures displayed above reflect County payments to the Corps of Engineers for design/construction activities and in-kind services.

FISCAL NOTE

Programmed G.O. bonds and Water Quality Protection Charge revenue replaced with Water Quality Protection bonds.

APPROPRIATION AND EXPENDITURE DATA	COORDINATION	MAP																																																			
<table border="1" style="width: 100%;"> <tr> <td>Date First Appropriation</td><td>FY93</td><td>(\$000)</td></tr> <tr> <td>First Cost Estimate</td><td>FY05</td><td>4,868</td></tr> <tr> <td>Current Scope</td><td></td><td></td></tr> <tr> <td>Last FY's Cost Estimate</td><td></td><td>5,888</td></tr> <tr> <td> </td><td> </td><td> </td></tr> <tr> <td>Appropriation Request</td><td>FY11</td><td>0</td></tr> <tr> <td>Appropriation Request Est.</td><td>FY12</td><td>175</td></tr> <tr> <td>Supplemental Appropriation Request</td><td></td><td>0</td></tr> <tr> <td>Transfer</td><td></td><td>0</td></tr> <tr> <td> </td><td> </td><td> </td></tr> <tr> <td>Cumulative Appropriation</td><td></td><td>4,243</td></tr> <tr> <td>Expenditures / Encumbrances</td><td></td><td>2,507</td></tr> <tr> <td>Unencumbered Balance</td><td></td><td>1,736</td></tr> <tr> <td> </td><td> </td><td> </td></tr> <tr> <td>Partial Closeout Thru</td><td>FY08</td><td>0</td></tr> <tr> <td>New Partial Closeout</td><td>FY09</td><td>0</td></tr> <tr> <td>Total Partial Closeout</td><td></td><td>0</td></tr> </table>	Date First Appropriation	FY93	(\$000)	First Cost Estimate	FY05	4,868	Current Scope			Last FY's Cost Estimate		5,888				Appropriation Request	FY11	0	Appropriation Request Est.	FY12	175	Supplemental Appropriation Request		0	Transfer		0				Cumulative Appropriation		4,243	Expenditures / Encumbrances		2,507	Unencumbered Balance		1,736				Partial Closeout Thru	FY08	0	New Partial Closeout	FY09	0	Total Partial Closeout		0	<p>U.S. Army Corps of Engineers Maryland-National Capital Park and Planning Commission Department of Permitting Services Department of Transportation</p>	<p>See Map on Next Page</p>
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Watershed Restoration CIP Program Projects and Studies FY 2011-2016



Legend

CIP Project Types

- ▲ LID Project in Design
- ◆ New Stormwater Pond in Design
- Stormwater Pond Retrofit in Design
- Stream Restoration in Design

Watershed Restoration Planning

- ▨ Initiation
- ▩ Ongoing
- Completed



Expenditure Detail by Category, Sub-Category, and Project (\$000s)

Conservation of Natural Resources

Project	Total	Thru FY09	Est. FY10	6 Year Total	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6-yrs.	Approp.
Ag Land Preservation												
788911 Ag Land Pres Easements	25,834	0	13,562	12,272	3,086	3,249	1,363	1,477	1,541	1,556	0	3,086
Sub-Category Total	25,834	0	13,562	12,272	3,086	3,249	1,363	1,477	1,541	1,556	0	3,086
Storm Drains												
*500108 Battery Park Storm Drain	19	11	8	0	0	0	0	0	0	0	0	0
*500510 Connecticut Ave./Primrose Street Storm Drain	1,266	1,109	157	0	0	0	0	0	0	0	0	0
508180 Facility Planning: Storm Drains	5,239	3,539	225	1,475	225	250	250	250	250	250	0	225
*509637 Glen Echo Storm Drain	630	567	63	0	0	0	0	0	0	0	0	0
501108 Henderson Avenue Storm Drain & Roadway Improvement	2,270	0	0	2,270	325	1,945	0	0	0	0	0	2,270
501100 Maple Avenue Storm Drain & Roadway Improvements	1,620	0	0	1,620	280	410	930	0	0	0	0	280
509948 Outfall Repairs	6,209	3,222	431	2,556	426	426	426	426	426	426	0	426
*500509 Sonoma / Ayr lawn Storm Drain Improvements	3,401	2,676	725	0	0	0	0	0	0	0	0	0
500320 Storm Drain General	11,159	6,285	74	4,800	800	800	800	800	800	800	0	1,600
500808 Town of Chevy Chase Storm Drain Improvements	3,250	1,739	61	1,450	690	0	760	0	0	0	0	690
Sub-Category Total	35,063	19,148	1,744	14,171	2,746	3,831	3,166	1,476	1,476	1,476	0	5,491
Stormwater Management												
809319 Facility Planning: SM	13,462	5,547	890	7,025	925	1,200	1,350	1,350	1,100	1,100	0	925
807359 Misc Stream Valley Improvements	11,346	0	2,976	8,370	1,395	1,395	1,395	1,395	1,395	1,395	0	1,395
*809810 Montclair Manor Flood Mitigation	1,814	1,754	60	0	0	0	0	0	0	0	0	0
800700 SM Facility Major Structural Repair	12,250	1,489	1,511	9,250	1,300	1,350	1,600	1,650	1,650	1,700	0	1,300
800900 SM Retrofit - Government Facilities	29,157	203	979	27,975	3,475	4,900	4,900	4,900	4,900	4,900	0	3,475
808726 SM Retrofit: Countywide	56,824	0	4,814	52,010	1,785	2,425	11,000	11,500	14,400	10,900	0	1,785
809342 Watershed Restoration - Interagency	5,888	2,429	1,814	1,645	0	175	450	510	510	0	0	0
Sub-Category Total	130,741	11,422	13,044	106,275	8,880	11,445	20,695	21,305	23,955	19,995	0	8,880
Category Total	191,638	30,570	28,350	132,718	14,712	18,525	25,224	24,258	26,972	23,027	0	17,457

Expenditure Detail by Category, Sub-Category, and Project (\$000s)

Conservation of Natural Resources

Project	Thru FY09	Est. FY10	6 Year		FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6-yrs.	Approp.
			Total	Total								
CIP Total	191,638	30,570	28,350	132,718	14,712	18,525	25,224	24,258	26,972	23,027	0	17,457

Funding Summary by Category, Sub-Category and Revenue Source (\$000s) Conservation of Natural Resources

Funding Source	Total	Thru FY09	Est. FY10	6 Year Total	FY11	FY12	FY13	FY14	FY15	FY16	Beyond 6 Years
Ag Land Preservation											
Agricultural Transfer Tax	10,568	0	5,418	5,150	600	750	850	950	1,000	1,000	0
Federal Aid	393	0	393	0	0	0	0	0	0	0	0
G.O. Bonds	4,000	0	0	4,000	2,000	2,000	0	0	0	0	0
Investment Income	3,613	0	491	3,122	486	499	513	527	541	556	0
M-NCPPC Contributions	5,000	0	5,000	0	0	0	0	0	0	0	0
State Aid	2,260	0	2,260	0	0	0	0	0	0	0	0
Sub-Category Total	25,834	0	13,562	12,272	3,086	3,249	1,363	1,477	1,541	1,556	0
Storm Drains											
Current Revenue: General	5,138	3,438	225	1,475	225	250	250	250	250	250	0
G.O. Bonds	28,918	15,053	1,302	12,563	2,498	3,471	2,916	1,226	1,226	1,226	0
Intergovernmental	729	379	217	133	23	110	0	0	0	0	0
State Aid	278	278	0	0	0	0	0	0	0	0	0
Sub-Category Total	35,063	19,148	1,744	14,171	2,746	3,831	3,166	1,476	1,476	1,476	0
Stormwater Management											
Current Revenue: General	5,000	4,610	390	0	0	0	0	0	0	0	0
Fed Stimulus (State Allocation)	212	0	212	0	0	0	0	0	0	0	0
Federal Aid	1,516	1,414	102	0	0	0	0	0	0	0	0
G.O. Bonds	2,145	205	1,940	0	0	0	0	0	0	0	0
State Aid	10,218	275	4,963	4,980	830	830	830	830	830	830	0
Stormwater Management Waiver Fees	4,716	3,226	1,490	0	0	0	0	0	0	0	0
Water Quality Protection Bonds	94,270	0	0	94,270	7,125	9,415	18,515	19,125	22,025	18,065	0
Water Quality Protection Charge	12,664	1,692	3,947	7,025	925	1,200	1,350	1,350	1,100	1,100	0
Sub-Category Total	130,741	11,422	13,044	106,275	8,880	11,445	20,695	21,305	23,955	19,995	0
Category Total	191,638	30,570	28,350	132,718	14,712	18,525	25,224	24,258	26,972	23,027	0
CIP Total	191,638	30,570	28,350	132,718	14,712	18,525	25,224	24,258	26,972	23,027	0