

# General Government

## Project: Flat Branch Flood Control

### Project Description:

Flat Branch is a tributary of Bull Run located northwest of the cities of Manassas and Manassas Park. Improvements along the mainstream of Flat Branch are divided into two parts. Part I was completed in 1984 and included an improved channel with a flood control berm. Part II has been designed but not constructed. When complete, they will provide an enlarged stream channel and levee to protect adjacent properties from a 25-year storm event. This project also requires the relocation of extensive sewer and water utilities. Design and construction alternatives are under evaluation to reduce project costs. Part II cannot be built in phases because of potential damage to properties not protected by a levee. This project also includes stream restoration, best management practices, and drainage improvements within the Flat Branch watershed.

**Total Project Budget:**           **\$3,250,000**

### Service Impact:

- ▶ **Flat Branch Drainage Area** - The majority of the Flat Branch drainage area is developed residential and commercial. There are more than 202 properties including structures that will benefit from this project.
- ▶ **Flood protection and erosion control** will be provided. Several properties will experience fewer sewer backups as a result of relocated sanitary sewer utilities.
- ▶ **State and Federal Mandates** - This project will address State and Federal mandates (National Pollutant Discharge Elimination System and the State Stormwater Management Act), provide water quality improvements, reduce non-point source pollution, and enhance stream habitat.

### Comprehensive Plan Impact:

- ▶ **Environment** - Fulfills Comprehensive Plan goal to preserve, protect, and enhance the significant environmental resources and features of the County and policies and action strategies that encourage the minimization of stormwater runoff and the use of innovative stormwater management facilities and systems.

### Funding Source:

- ▶ **Stormwater Management Fees** fund this project.

### Critical Milestones:

- ▶ **Construction** of Phase II will occur when funding becomes available.
- ▶ **Part I** was completed in 1984 at a cost of \$1,259,250.
- ▶ **Part II** construction of the enlarged stream channel and levee will occur when funding becomes available. The cost of Part II is estimated at \$3,250,000.

**Prince William County Government  
Department: Public Works**

**2004 CAPITAL IMPROVEMENT PROGRAM**

| <b>PROJECT COST CATEGORIES</b> | <b>PRIOR YEARS</b> | <b>FY04</b>     | <b>FY05</b>     | <b>FY06</b>     | <b>FY07</b>     | <b>FY08</b>     | <b>FY09</b>     | <b>Total FY 04-09</b> |
|--------------------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|
| Planning                       | \$0                | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| Land Acquisition               | \$42,000           | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| Design                         | \$208,000          | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| Utility Relocation             | \$800,000          | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| Construction                   | \$1,465,458        | \$52,458        | \$52,458        | \$52,458        | \$52,458        | \$52,458        | \$52,458        | \$314,748             |
| Project Management             | \$20,000           | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| Construction Management        | \$0                | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| Debt Issuance Costs            | \$0                | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| Construction Contingency       | \$0                | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| <b>Total</b>                   | <b>\$2,535,458</b> | <b>\$52,458</b> | <b>\$52,458</b> | <b>\$52,458</b> | <b>\$52,458</b> | <b>\$52,458</b> | <b>\$52,458</b> | <b>\$314,748</b>      |

| <b>FUNDING SOURCES</b>     | <b>PRIOR YEARS</b> | <b>FY04</b>     | <b>FY05</b>     | <b>FY06</b>     | <b>FY07</b>     | <b>FY08</b>     | <b>FY09</b>     | <b>Total FY 04-09</b> |
|----------------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|
| General Fund               | \$2,183,000        | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| Delinquent Taxes           | \$0                | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| Fire Levy                  | \$0                | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| Solid Waste Fees           | \$0                | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| Stormwater Management Fees | \$252,458          | \$52,458        | \$52,458        | \$52,458        | \$52,458        | \$52,458        | \$52,458        | \$314,748             |
| Debt                       | \$0                | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| Fuel Tax                   | \$0                | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| State/Federal              | \$0                | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| Proffers                   | \$100,000          | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| Other                      | \$0                | \$0             | \$0             | \$0             | \$0             | \$0             | \$0             | \$0                   |
| <b>Total</b>               | <b>\$2,535,458</b> | <b>\$52,458</b> | <b>\$52,458</b> | <b>\$52,458</b> | <b>\$52,458</b> | <b>\$52,458</b> | <b>\$52,458</b> | <b>\$314,748</b>      |

| <b>OPERATING IMPACTS</b>        | <b>FY04</b> | <b>FY05</b> | <b>FY06</b> | <b>FY07</b> | <b>FY08</b> | <b>FY09</b> | <b>Total FY 04-09</b> |
|---------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|
| Debt Service                    | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0                   |
| Facility Operating Cost         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0                   |
| Program Operating Cost          | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0                   |
| Operating Revenue               | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0                   |
| Operating Subsidy Required      | \$0         | \$0         | \$0         | \$0         | \$0         | \$0         | \$0                   |
| <b>GENERAL FUND REQUIREMENT</b> | <b>\$0</b>  | <b>\$0</b>  | <b>\$0</b>  | <b>\$0</b>  | <b>\$0</b>  | <b>\$0</b>  | <b>\$0</b>            |