

## FUND STATEMENT

**Fund Type G40, Enterprise Funds**

**Fund 402, Sewer Construction Improvements**

|   | FY 2003<br>Actual    | FY 2004<br>Adopted<br>Budget Plan | FY 2004<br>Revised<br>Budget Plan | FY 2005<br>Advertised<br>Budget Plan |
|---|----------------------|-----------------------------------|-----------------------------------|--------------------------------------|
| <b>Beginning Balance</b>                | <b>\$66,670,795</b>  | <b>\$0</b>                        | <b>\$80,996,564</b>               | <b>\$0</b>                           |
| Transfer In:                            |                      |                                   |                                   |                                      |
| Sewer Revenue (400)                     | \$54,171,000         | \$31,534,000                      | \$33,469,362                      | \$35,495,200                         |
| Total Transfer In                       | \$54,171,000         | \$31,534,000                      | \$33,469,362                      | \$35,495,200                         |
| <b>Total Available</b>                  | <b>\$120,841,795</b> | <b>\$31,534,000</b>               | <b>\$114,465,926</b>              | <b>\$35,495,200</b>                  |
| Total Expenditures <sup>1</sup>         | \$39,845,231         | \$31,534,000                      | \$114,465,926                     | \$35,495,200                         |
| <b>Total Disbursements <sup>1</sup></b> | <b>\$39,845,231</b>  | <b>\$31,534,000</b>               | <b>\$114,465,926</b>              | <b>\$35,495,200</b>                  |
| <b>Ending Balance</b>                   | <b>\$80,996,564</b>  | <b>\$0</b>                        | <b>\$0</b>                        | <b>\$0</b>                           |

<sup>1</sup> In order to account for revenues and expenditures in the proper fiscal year, an audit adjustment in the amount of \$142,642 has been reflected as an increase to FY 2003 expenditures. The project effected by this adjustment is Project X00905, Replacement and Transmission Programmed Rehabilitation. This impacts the amount carried forward resulting in a net decrease of \$142,642 to the FY 2004 Revised Budget Plan. The audit adjustment has been included in the FY 2003 Comprehensive Annual Financial Report (CAFR). Details of the FY 2003 audit adjustments will be included in the FY 2004 Third Quarter Package.

## FY 2005 Summary of Capital Projects

### Fund: 402 Sewer Construction Improvements

| Project #    | Description                       | Total<br>Project<br>Estimate | FY 2003<br>Actual<br>Expenditures | FY 2004<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan |
|--------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------|--------------------------------------|
| G00901       | DC Treatment Center - Blue Plains | \$77,588,605                 | \$8,602,692.81                    | \$17,185,912.15              | \$10,800,000                         |
| G00903       | Arlington Wastewater Treatment    | 16,387,392                   | 794,356.00                        | 1,674,514.00                 | 3,930,000                            |
| I00351       | Pump Station Renovations          |                              | 2,895,324.72                      | 6,575,577.47                 | 1,500,000                            |
| I00355       | Pump And Haul - Wylie/Gunston     | 2,637,936                    | 160.89                            | 0.00                         | 0                                    |
| I00904       | ASA Wastewater Treatment Plant    | 215,318,400                  | 13,238,249.03                     | 21,615,581.00                | 8,800,800                            |
| L00117       | Dogue Creek Rehab/Replacement     |                              | 0.00                              | 3,000,000.00                 | 0                                    |
| N00321       | Lower Potomac Exp 54 MGD          | 105,269,000                  | 3,088,582.70                      | 15,791,707.21                | 0                                    |
| T00124       | Rocky Run Pump Station            | 4,335,926                    | 2,080,000.00                      | 807,203.78                   | 0                                    |
| X00445       | Integrated Sewer Metering         |                              | 329,540.02                        | 305,147.86                   | 50,000                               |
| X00823       | Extension Projects FY 1993        | 3,779,003                    | 64,767.47                         | 1,300,296.73                 | 0                                    |
| X00826       | Extension Project FY 1996         | 18,519,009                   | 2,951,698.06                      | 10,164,553.15                | 314,400                              |
| X00900       | Replacement Transmission          |                              | 354,222.21                        | 782,804.79                   | 0                                    |
| X00905       | Replacement & Transmission        |                              | 4,135,648.75                      | 18,014,103.97                | 10,000,000                           |
| X00906       | Sewer Line Enlargement            |                              | 405,728.72                        | 6,208,819.01                 | 0                                    |
| X00908       | Sewer Line Replacement - 5 Inch   |                              | 0.00                              | 136,920.04                   | 0                                    |
| X00910       | Replacement and Renewal           |                              | 767,528.86                        | 10,176,754.95                | 0                                    |
| X00930       | Sewer Relocation - VADOT          |                              | 134,377.28                        | 187,436.06                   | 0                                    |
| X00940       | Developer Projects County Costs   |                              | 2,353.60                          | 300,335.49                   | 100,000                              |
| X00998       | Sewer Contingency Project         |                              | 0.00                              | 185,686.27                   | 0                                    |
| X00999       | Sewer Revolving Fund              |                              | 0.00                              | 52,572.00                    | 0                                    |
| <b>Total</b> |                                   | <b>\$443,835,272</b>         | <b>\$39,845,231.12</b>            | <b>\$114,465,925.93</b>      | <b>\$35,495,200</b>                  |

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: G00901 DC Treatment Center - Blue Plains**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$77,588,605.00              | \$24,948,384.04               | \$8,602,692.81                    | \$17,185,912.15              | \$10,800,000                         | \$16,051,616    |

| Location  | Tax Map Reference | Location Code | District |
|---|-------------------|---------------|----------|
| N/A   | N/A               | N/A           | N/A      |
| <p>Project G00901: This project includes the expansion and construction of primary and secondary phases, additional settling tanks, additional sludge handling facilities for both primary and secondary treatment, secondary treatment expansion through additional clarification and aeration tanks, the addition of a nitrification system to lower Biochemical Oxygen Demand (BOD) and removal of ammonia nitrogen, and the installation of multi-media filters to improve overall plant effluent. Primary and secondary facilities were completed in the mid-1970's. Nitrification and filtration facilities were completed in the late 1970's and early 1980's. The requirement for the addition of nitrification facilities to remove nitrogen from the water has been suspended by the Environmental Protection Agency (EPA) pending evaluation of the nitrification process. Future funding is primarily for water quality improvements and sludge handling facilities required by revised effluent standards for wastewater discharges to the Upper Potomac Estuary in accordance with regulations implemented by EPA, Maryland, and Virginia. In addition, all bond proceeds have been spent for this project in Fund 408, Sewer Bond Construction. Therefore, funding in Fund 408 has been phased out so that this project will fund all future construction costs.</p> |                   |               |          |

CA-505

| Source of Funding          |                     |
|----------------------------|---------------------|
| General Fund               | \$0                 |
| General Obligation Bonds   | 0                   |
| Transfers from Other Funds | 0                   |
| Other                      | 77,588,605          |
| <b>Total</b>               | <b>\$77,588,605</b> |

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: G00903 Arlington Wastewater Treatment**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$16,387,392.00              | \$9,988,522.00                | \$794,356.00                      | \$1,674,514.00               | \$3,930,000                          | \$0             |

| Location | Tax Map Reference | Location Code | District |
|----------|-------------------|---------------|----------|
| N/A      | N/A               | N/A           | N/A      |

Project G00903: This project provides for the improvement of the Arlington County Wastewater Treatment Plant. Arlington has begun a \$250 million capital improvement program to upgrade the plant to meet the new state water quality requirements. Fairfax County's share of the program will be \$25 million over the next five years.

| Source of Funding          |                     |
|----------------------------|---------------------|
| General Fund               | \$0                 |
| General Obligation Bonds   | 0                   |
| Transfers from Other Funds | 0                   |
| Other                      | 16,387,392          |
| <b>Total</b>               | <b>\$16,387,392</b> |

CA-506

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: I00351 Pump Station Renovations**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$0.00                       | \$9,275,485.81                | \$2,895,324.72                    | \$6,575,577.47               | \$1,500,000                          | \$0             |

| Location  | Tax Map Reference | Location Code | District   |
|---|-------------------|---------------|------------|
| Countywide  | N/A               | XX09          | Countywide |
| <p>Project I00351: This project provides for the renovation of existing pumping stations within the Wastewater Management Program. The FY 2005 funding level will provide for the construction of a pump station at Powell Lane. Once completed, this pump station will have a capacity of 0.4 million gallons per day and will allow for the abandonment of the sewer line segment that is covered with 40 feet of debris.</p> |                   |               |            |

| Source of Funding          |            |
|----------------------------|------------|
| General Fund               | \$0        |
| General Obligation Bonds   | 0          |
| Transfers from Other Funds | 0          |
| Other                      | Continuing |
| Total                      | Continuing |

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: I00904 ASA Wastewater Treatment Plant**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$215,318,400.40             | \$141,856,068.37              | \$13,238,249.03                   | \$21,615,581.00              | \$8,800,800                          | \$29,807,702    |

| Location   | Tax Map Reference | Location Code | District |
|--|-------------------|---------------|----------|
| N/A  | N/A               | N/A           | N/A      |
| <p>Project I00904: This project provides for payment to the Alexandria Sanitation Authority for Fairfax County's share of construction costs associated with improvements to the Alexandria Wastewater Treatment Plant. The County pays for approximately 60 percent of the total costs of the expansion and upgrade for ammonia removal. The design for the ammonia removal began in January 1997. Fairfax County's share of the project cost is \$215,318,400 over a six-year period. The Alexandria Sanitation Authority will perform the renovations and upgrades. In FY 2001, the County received \$40 million from the State Revolving Program (SRF) to partially offset these project costs. In addition, the County requested an additional \$50 million to complete the project in FY 2002. Funding was approved in the Fall of 2001 and loan proceeds were received in Summer of 2002.</p> |                   |               |          |

| Source of Funding          |                      |
|----------------------------|----------------------|
| General Fund               | \$0                  |
| General Obligation Bonds   | 0                    |
| Transfers from Other Funds | 0                    |
| Other                      | 215,318,400          |
| <b>Total</b>               | <b>\$215,318,400</b> |

| Completion Schedule               |                        |
|-----------------------------------|------------------------|
| Land Acquisition                  | N/A                    |
| Engineer/Architect Contract Award | Second Quarter FY 2000 |
| Design Completion                 | First Quarter FY 2000  |
| Construction Contract Award       | First Quarter FY 2001  |
| Construction Completion           | Fourth Quarter FY 2006 |

CA-508

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: L00117 Dogue Creek Rehab/Replacement**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$0.00                       | \$1,507,778.26                | \$0.00                            | \$3,000,000.00               | \$0                                  | \$2,000,000     |

| Location  | Tax Map Reference | Location Code | District     |
|---|-------------------|---------------|--------------|
| Lower Potomac Sewer Shed  | 109.2             | XX06          | Mount Vernon |
| <p>Project L00117: This project provides for the replacement of the 20-year-old Dogue Creek Force Main. The Dogue Creek Force Main is approximately 4,350 linear feet of 36-inch trunk line. The existing force main was rehabilitated in FY 1988; however, due to the critical nature of this force main, it has been recommended that a new parallel force be constructed and use the existing force main as a backup to the new force main. There are approximately 9 million gallons per day (MGD) of sewer flow that cannot be diverted from this force main. The current year funding level will allow for the initial study, design completion, and engineering services during construction. The construction estimate will be developed during the design phase.</p> |                   |               |              |

CA-509

| Source of Funding          |                   |
|----------------------------|-------------------|
| General Fund               | \$0               |
| General Obligation Bonds   | 0                 |
| Transfers from Other Funds | 0                 |
| Other                      | Continuing        |
| <b>Total</b>               | <b>Continuing</b> |

| Completion Schedule               |                        |
|-----------------------------------|------------------------|
| Land Acquisition                  | Fourth Quarter FY 2005 |
| Engineer/Architect Contract Award | Second Quarter FY 2004 |
| Design Completion                 | Fourth Quarter FY 2005 |
| Construction Contract Award       | First Quarter FY 2006  |
| Construction Completion           | Fourth Quarter FY 2007 |

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: N00321 Lower Potomac Exp 54 MGD**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$105,269,000.00             | \$51,835,891.09               | \$3,088,582.70                    | \$15,791,707.21              | \$0                                  | \$34,552,819    |

| Location   | Tax Map Reference | Location Code | District     |
|--|-------------------|---------------|--------------|
| 9399 Richmond Highway  | I08-3             | XX06          | Mount Vernon |
| Project N00321: This project funds the expansion of the Noman M. Cole, Jr. Pollution Control Plant (NCPCP) beyond 54 million gallons per day to meet service needs through the year 2015. The total project estimate reflects the construction portion being funded in Project N00322, Lower Potomac Expansion, in Fund 408. |                   |               |              |

| Source of Funding          |                      |
|----------------------------|----------------------|
| General Fund               | \$0                  |
| General Obligation Bonds   | 0                    |
| Transfers from Other Funds | 0                    |
| Other                      | 105,269,000          |
| <b>Total</b>               | <b>\$105,269,000</b> |

| Completion Schedule               |                        |
|-----------------------------------|------------------------|
| Land Acquisition                  | Fourth Quarter FY 1989 |
| Engineer/Architect Contract Award | Third Quarter FY 1994  |
| Design Completion                 | Fourth Quarter FY 1998 |
| Construction Contract Award       | Second Quarter FY 1998 |
| Construction Completion           | Fourth Quarter FY 2006 |

CA-510

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: T00124 Rocky Run Pump Station**

| Total Project Estimate | All Prior Years Actuals | FY 2003 Actual Expenditures | Current Revised Budget | FY 2005 Advertised Budget Plan | Future Years |
|------------------------|-------------------------|-----------------------------|------------------------|--------------------------------|--------------|
| \$4,335,926.00         | \$1,448,722.22          | \$2,080,000.00              | \$807,203.78           | \$0                            | \$0          |

| Location            | Tax Map Reference | Location Code | District |
|---------------------|-------------------|---------------|----------|
| Rocky Run Watershed | 74-2              | XX12          | Sully    |

Project T00124: This project provides for the expansion of the current pumping station to address the increase in wastewater flow in the Rocky Run watershed. The current pumping station has reached full capacity. The project schedule for related construction costs from the Upper Occoquan Sewage Authority (UOSA) will allow the agency to increase the size of the pump from 150hp to 280hp and increase the infrastructure to support the larger pumps, a grinder system, and a new electrical system. The current revised funding level is sufficient to meet the County's obligations.

| Source of Funding          |                    |
|----------------------------|--------------------|
| General Fund               | \$0                |
| General Obligation Bonds   | 0                  |
| Transfers from Other Funds | 0                  |
| Other                      | 4,335,926          |
| <b>Total</b>               | <b>\$4,335,926</b> |

| Completion Schedule               |                        |
|-----------------------------------|------------------------|
| Land Acquisition                  | N/A                    |
| Engineer/Architect Contract Award | First Quarter FY 2000  |
| Design Completion                 | Fourth Quarter FY 2000 |
| Construction Contract Award       | Fourth Quarter FY 2001 |
| Construction Completion           | Fourth Quarter FY 2004 |

CA-511

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: X00445 Integrated Sewer Metering**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$0.00                       | \$1,679,761.12                | \$329,540.02                      | \$305,147.86                 | \$50,000                             | \$0             |

| Location   | Tax Map Reference | Location Code | District   |
|--|-------------------|---------------|------------|
| Countywide   | N/A               | XX09          | Countywide |
| Project X00445: Sewer line meters are utilized to monitor flows through lines located in the 20 major and several minor sewer sheds in the County. Flows must be monitored to: (1) determine when lines are nearing maximum capacity, (2) detect ground water inflow/infiltration, (3) allow proper billing under interjurisdictional agreements for sewage treatment, and (4) comply with Virginia Water Control Board regulations requiring metering at all trunk sewer junctions. |                   |               |            |

| Source of Funding          |            |
|----------------------------|------------|
| General Fund               | \$0        |
| General Obligation Bonds   | 0          |
| Transfers from Other Funds | 0          |
| Other                      | Continuing |
| Total                      | Continuing |

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: X00823 Extension Projects FY 1993**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$3,779,003.00               | \$2,413,938.80                | \$64,767.47                       | \$1,300,296.73               | \$0                                  | \$0             |

| Location  | Tax Map Reference | Location Code | District   |
|---|-------------------|---------------|------------|
| Countywide  | N/A               | XX09          | Countywide |
| <p>Project X00823: This project provides for the installation of approximately 19,125 linear feet of sanitary sewer line. The subprojects are: (1) F00015, Old Dominion Gardens, (2) M00049, Shirley Springs Subdivision, (3) M00048, Chestnut Hill Subdivision, (4) M00051, Cyrandall Valley Subdivision, and (5) P00004, Shirley Acres/Curtis Subdivision. All projects are complete except P00004, Shirley Acres/Curtis Subdivision. The construction of the Shirley Acres Subdivision has begun and will be completed by FY 2006.</p> |                   |               |            |

| Source of Funding          |                    |
|----------------------------|--------------------|
| General Fund               | \$0                |
| General Obligation Bonds   | 0                  |
| Transfers from Other Funds | 0                  |
| Other                      | 3,779,003          |
| <b>Total</b>               | <b>\$3,779,003</b> |

CA-513

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: X00826 Extension Project FY 1996**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$18,519,009.00              | \$5,088,357.79                | \$2,951,698.06                    | \$10,164,553.15              | \$314,400                            | \$0             |

| Location   | Tax Map Reference | Location Code | District   |
|------------|-------------------|---------------|------------|
| Countywide | N/A               | XX09          | Countywide |

Project X00826: This project provides for the installation of sewer line extensions to the sewer service areas of the County with failing septic systems. Twenty subprojects have been funded from this project with 10 of them being completed. The County has installed 4,155 linear feet of sanitary sewer, with another 3,625 linear feet to be constructed with funding from the current revised budget plan.

| Source of Funding          |                     |
|----------------------------|---------------------|
| General Fund               | \$0                 |
| General Obligation Bonds   | 0                   |
| Transfers from Other Funds | 0                   |
| Other                      | 18,519,009          |
| <b>Total</b>               | <b>\$18,519,009</b> |

CA-514

**Project Detail Sheet**

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: X00900 Replacement Transmission**

| <b>Total Project Estimate</b> | <b>All Prior Years Actuals</b> | <b>FY 2003 Actual Expenditures</b> | <b>Current Revised Budget</b> | <b>FY 2005 Advertised Budget Plan</b> | <b>Future Years</b> |
|-------------------------------|--------------------------------|------------------------------------|-------------------------------|---------------------------------------|---------------------|
| \$0.00                        | \$5,829,079.00                 | \$354,222.21                       | \$782,804.79                  | \$0                                   | \$0                 |

| <b>Location</b>   | <b>Tax Map Reference</b> | <b>Location Code</b> | <b>District</b> |
|---|--------------------------|----------------------|-----------------|
| Countywide  | N/A                      | XX09                 | Countywide      |
| Project X00900: This project provides for the replacement of transmission systems damaged by nature or other catastrophic events and/or other emergency situations. |                          |                      |                 |

| <b>Source of Funding</b>   |                   |
|----------------------------|-------------------|
| General Fund               | \$0               |
| General Obligation Bonds   | 0                 |
| Transfers from Other Funds | 0                 |
| Other                      | Continuing        |
| <b>Total</b>               | <b>Continuing</b> |

CA-515

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: X00905 Replacement & Transmission**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$0.00                       | \$60,219,320.28               | \$4,135,648.75                    | \$18,014,103.97              | \$10,000,000                         | \$0             |

| Location  | Tax Map Reference | Location Code | District   |
|---|-------------------|---------------|------------|
| Countywide  | N/A               | XX09          | Countywide |
| <p>Project X00905: This project establishes a revolving fund to implement systematic rehabilitation of deteriorating sanitary sewers. Work includes manhole rehabilitation slip-lining and insituform work by both the County and outside contractors. Funding provides for recurring repairs, including replacement and renovation of sewer lines using predominantly "no dig" technologies, siphon cleaning, siphon and vault rehabilitations, the repair of sewer line sags, and realignment of sewer line segments to eliminate sewer backups and/or overflows.</p> |                   |               |            |

| Source of Funding          |            |
|----------------------------|------------|
| General Fund               | \$0        |
| General Obligation Bonds   | 0          |
| Transfers from Other Funds | 0          |
| Other                      | Continuing |
| Total                      | Continuing |

**Project Detail Sheet**

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: X00906 Sewer Line Enlargement**

| <b>Total Project Estimate</b> | <b>All Prior Years Actuals</b> | <b>FY 2003 Actual Expenditures</b> | <b>Current Revised Budget</b> | <b>FY 2005 Advertised Budget Plan</b> | <b>Future Years</b> |
|-------------------------------|--------------------------------|------------------------------------|-------------------------------|---------------------------------------|---------------------|
| \$0.00                        | \$2,012,686.27                 | \$405,728.72                       | \$6,208,819.01                | \$0                                   | \$0                 |

| <b>Location</b>   | <b>Tax Map Reference</b> | <b>Location Code</b> | <b>District</b> |
|---|--------------------------|----------------------|-----------------|
| Countywide  | N/A                      | XX09                 | Countywide      |
| Project X00906: This project provides for the replacement of undersized sewer lines with larger diameter sewer lines in those areas of the County experiencing rapid growth. The current revised funding level will provide for the enlargement of the Pohick trunk line. |                          |                      |                 |

| <b>Source of Funding</b>   |                   |
|----------------------------|-------------------|
| General Fund               | \$0               |
| General Obligation Bonds   | 0                 |
| Transfers from Other Funds | 0                 |
| Other                      | Continuing        |
| <b>Total</b>               | <b>Continuing</b> |

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: X00908 Sewer Line Replacement - 5 Inch**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$0.00                       | \$113,080.96                  | \$0.00                            | \$136,920.04                 | \$0                                  | \$0             |

| Location   | Tax Map Reference | Location Code | District   |
|------------|-------------------|---------------|------------|
| Countywide | N/A               | XX09          | Countywide |

Project X00908: This project provides for the replacement of 5-inch sewer lines which were approved by the Board of Supervisors in previous years in order to make available lower cost housing in various parts of the County. However, these lines can no longer handle the required capacity and must be replaced.

| Source of Funding          |            |
|----------------------------|------------|
| General Fund               | \$0        |
| General Obligation Bonds   | 0          |
| Transfers from Other Funds | 0          |
| Other                      | Continuing |
| Total                      | Continuing |

CA-518

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: X00910 Replacement and Renewal**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$0.00                       | \$4,955,370.19                | \$767,528.86                      | \$10,176,754.95              | \$0                                  | \$0             |

| Location   | Tax Map Reference | Location Code | District   |
|--|-------------------|---------------|------------|
| Countywide   | N/A               | XX09          | Countywide |
| <p>Project X00910: This project provides for replacement and necessary improvements at the County-owned and operated treatment facility related to normal wear and tear, and an increase in the useful life of the facility. The current revised funding level will provide for the replacement of the filter presses with the centrifuge dewatering process. The design has been completed and construction is scheduled to begin in FY 2005.</p> |                   |               |            |

| Source of Funding          |            |
|----------------------------|------------|
| General Fund               | \$0        |
| General Obligation Bonds   | 0          |
| Transfers from Other Funds | 0          |
| Other                      | Continuing |
| Total                      | Continuing |

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: X00930 Sewer Relocation - VADOT**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$0.00                       | \$2,445,165.40                | \$134,377.28                      | \$187,436.06                 | \$0                                  | \$0             |

| Location  | Tax Map Reference | Location Code | District   |
|---|-------------------|---------------|------------|
| Countywide  | N/A               | XX09          | Countywide |
| Project X00930: This project provides for relocation and repairs of sewers and manholes as required to allow for construction by the Virginia Department of Transportation. |                   |               |            |

| Source of Funding          |            |
|----------------------------|------------|
| General Fund               | \$0        |
| General Obligation Bonds   | 0          |
| Transfers from Other Funds | 0          |
| Other                      | Continuing |
| Total                      | Continuing |

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: X00940 Developer Projects County Costs**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$0.00                       | \$1,140,457.91                | \$2,353.60                        | \$300,335.49                 | \$100,000                            | \$0             |

| Location   | Tax Map Reference | Location Code | District   |
|--|-------------------|---------------|------------|
| Countywide   | N/A               | XX09          | Countywide |
| Project X00940: This project provides for costs incurred by the Wastewater Planning and Monitoring Division in the Department of Public Works and Environmental Services for the maintenance and review of sewer grid sheets and as-built sewer plans. |                   |               |            |

| Source of Funding          |            |
|----------------------------|------------|
| General Fund               | \$0        |
| General Obligation Bonds   | 0          |
| Transfers from Other Funds | 0          |
| Other                      | Continuing |
| Total                      | Continuing |

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: X00998 Sewer Contingency Project**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$0.00                       | \$0.00                        | \$0.00                            | \$185,686.27                 | \$0                                  | \$0             |

| Location  | Tax Map Reference | Location Code | District |
|---|-------------------|---------------|----------|
| N/A   | N/A               | N/A           | N/A      |
| Project X00998: This project provides a contingency for project surpluses, which occur in Fund 402 during the course of a fiscal year. As project surpluses are identified, unexpended funds are reallocated to this project to provide contingency funding for those projects in which expenditures may exceed cost estimates. |                   |               |          |

| Source of Funding          |            |
|----------------------------|------------|
| General Fund               | \$0        |
| General Obligation Bonds   | 0          |
| Transfers from Other Funds | 0          |
| Other                      | Continuing |
| Total                      | Continuing |

### Project Detail Sheet

**Fund Type: G40 Enterprise Funds**  
**Fund: 402 Sewer Construction Improvements**  
**Project: X00999 Sewer Revolving Fund**

| Total<br>Project<br>Estimate | All Prior<br>Years<br>Actuals | FY 2003<br>Actual<br>Expenditures | Current<br>Revised<br>Budget | FY 2005<br>Advertised<br>Budget Plan | Future<br>Years |
|------------------------------|-------------------------------|-----------------------------------|------------------------------|--------------------------------------|-----------------|
| \$0.00                       | \$166,610.00                  | \$0.00                            | \$52,572.00                  | \$0                                  | \$0             |

| Location | Tax Map Reference | Location Code | District |
|----------|-------------------|---------------|----------|
| N/A      | N/A               | N/A           | N/A      |

Project X00999: This project funds reimbursements to developers for the extension of sanitary sewer lines to the boundaries of their properties. This practice facilitates connection to the system of the adjoining property and permits future extensions without disturbing established property.

| Source of Funding          |            |
|----------------------------|------------|
| General Fund               | \$0        |
| General Obligation Bonds   | 0          |
| Transfers from Other Funds | 0          |
| Other                      | Continuing |
| Total                      | Continuing |