

---

**PROGRAM:** Sanitary Sewer Improvements

---

**DEPARTMENT:** Public Works

---

**PROGRAM DESCRIPTION:** The Sanitary Sewer Improvements and the Infiltration and Inflow (I&I) Program address the capacity and rehabilitation of the sanitary sewer system. Infiltration is the entrance of ground water or rainwater into the sanitary sewer system through cracks, holes, and joints in the sewer lines and manholes. Inflow is the entrance of rainwater into the sanitary sewer system from direct connections to surface drains, such as driveway and roof drains. The projects proposed ensure the sewer system does not fall into disrepair, and maintains adequate capacity to support residential and commercial growth. Hook-up fees paid by developers fund projects that increase system capacity. Larger maintenance projects are funded through utility user fees and bond financing. Infiltration and Inflow (I&I) projects are identified annually through flow monitoring, manhole inspections, field surveys, and TV inspections of sanitary sewers.

**PLANNING RELATIONSHIP:** Sanitary Sewer projects proposed below are consistent with the plans, policies, and objectives of the Sanitary Sewer Master Plan.

**CIP PROJECTS:**

| <b>PROJECT DESCRIPTION</b>  | <b>AMOUNT<br/>(\$ in 000's)</b> | <b>FISCAL<br/>YEAR</b> | <b>FUNDING<br/>SOURCE</b> |
|---|---------------------------------|------------------------|---------------------------|
| 1. Infiltration and Inflow (Projects are identified annually)           | 1,350                           | 2003                   | PAYG                      |
| 2. Potomac Interceptor Phase II   | 300                             | 2003                   | PAYG                      |
| 3. Improvements for Development   | 50                              | 2003                   | PAYG                      |
| 4. Doctors' Run (Randolph Elementary area)                              | 40                              | 2003                   | PAYG                      |
| 5. Arlington Branch from I-395 West                                     | 30                              | 2003                   | PAYG                      |
| 6. Westover Sewers (Reed Elementary and Washington Blvd.)               | 10                              | 2003                   | PAYG                      |
| 7. Gulf Run (36 <sup>th</sup> Rd. N. from Military Rd.)                 | 100                             | 2003                   | PAYG                      |
| 8. Infiltration and Inflow  | 1,400                           | 2004                   | PAYG                      |
| 9. Four Mile Run Junction Chambers                                      | 300                             | 2004                   | PAYG                      |
| 10. Improvements for Development  | 50                              | 2004                   | PAYG                      |
| 11. Arlington Village East of S. Barton St.                             | 45                              | 2004                   | PAYG                      |
| 12. Little Pimmit Run (Old Dominion Dr. & George Mason Dr.)             | 55                              | 2004                   | PAYG                      |
| 13. Windy Run (2600 Block of N. Pollard St.)                            | 250                             | 2004                   | PAYG                      |
| 14. Donaldson Run (Military Rd. to Vacation Lane)                       | 440                             | 2004                   | PAYG                      |
| 15. W. Little Pimmit Run (Williamsburg Blvd. – 33 <sup>rd</sup> St. N.) | 40                              | 2004                   | PAYG                      |
| 16. Infiltration and Inflow   | 1,450                           | 2005                   | PAYG                      |
| 17. Improvements for Development  | 50                              | 2005                   | PAYG                      |
| 18. Westover Sewers (Reed Elementary and Washington Blvd.)              | 100                             | 2005                   | PAYG                      |
| 19. W. Little Pimmit Run (Williamsburg Blvd. – 33 <sup>rd</sup> St. N.) | 390                             | 2005                   | PAYG                      |
| 20. Infiltration and Inflow   | 1,500                           | 2006                   | PAYG                      |
| 21. Four Mile Run Junction Chambers                                     | 350                             | 2006                   | PAYG                      |
| 22. Potomac Interceptor Phase II  | 1,000                           | 2006                   | PAYG                      |
| 23. Improvements for Development  | 50                              | 2006                   | PAYG                      |
| 24. Infiltration and Inflow   | 1,550                           | 2007                   | PAYG                      |
| 25. Potomac Interceptor Phase II  | 1,000                           | 2007                   | PAYG                      |
| 26. Improvements for Development  | 50                              | 2007                   | PAYG                      |

---

| <b>PROJECT DESCRIPTION</b>          | <b>AMOUNT</b><br>(\$ in 000's) | <b>FISCAL</b><br><b>YEAR</b> | <b>FUNDING</b><br><b>SOURCE</b> |
|-------------------------------------|--------------------------------|------------------------------|---------------------------------|
| 27. Infiltration and Inflow         | 1,600                          | 2008                         | PAYG                            |
| 28. Four Mile Run Junction Chambers | 400                            | 2008                         | PAYG                            |
| 29. Potomac Interceptor Phase II    | 1,000                          | 2008                         | PAYG                            |
| 30. Improvements for Development    | 50                             | 2008                         | PAYG                            |

**PROGRAM TOTALS:**

|                            | <b>FY2003</b> | <b>FY2004</b> | <b>FY2005</b> | <b>FY2006</b> | <b>FY2007</b> | <b>FY2008</b> | <b>TOTAL</b> |
|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Bond                       | -             | -             | -             | -             | -             | -             | -            |
| Pay-As-You-Go              | 1,880         | 2,580         | 1,990         | 2,900         | 2,600         | 3,050         | 15,000       |
| <i>Less Hook-up Fees</i>   | 1,880         | 2,580         | 1,990         | 2,900         | 2,600         | 3,050         | 15,000       |
| <b>Utilities Operating</b> | -             | -             | -             | -             | -             | -             | -            |
| <b>Fund Revenue</b>        | -             | -             | -             | -             | -             | -             | -            |