

# Fund 402

## Sewer Construction Improvements

### Board of Supervisors' Adjustments

*The following funding adjustments reflect all changes to the FY 2008 Advertised Budget Plan, as approved by the Board of Supervisors on April 30, 2007:*

- ◆ The Board of Supervisors made no adjustments to this fund.

### Focus

Fund 402, Sewer Construction Improvements, provides for wastewater management construction projects through a transfer of funds from Fund 400, Sewer Revenue. All projects in Fund 402 are fully supported by sewer system revenues and are included in the Summary of Capital Projects.

In FY 2008, an amount of \$13,550,000 is included in Fund 402, Sewer Construction Improvements. Funding will provide for the installation of 12,000 linear feet of sanitary sewer lines in the River Oaks Road area; replacement of power generators at several pumping stations; the upgrade and replacement of aging pumping stations equipment throughout the County; the replacement of the Dogue Creek Force Main; and the installation, repair, replacement and renovation of 20 miles of sewer lines using predominantly "no dig" technologies.

### **Changes to FY 2007 Adopted Budget Plan**

*The following funding adjustments reflect all approved changes in the FY 2007 Revised Budget Plan since passage of the FY 2007 Adopted Budget Plan. Included are all adjustments made as part of the FY 2006 Carryover Review and all other approved changes through December 31, 2006:*

- ◆ At the FY 2006 Carryover Review, the Board of Supervisors approved an increase of \$40,053,464 due to the carryover of unexpended project balances.

*The following funding adjustments reflect all approved changes to the FY 2007 Revised Budget Plan from January 1, 2007 through April 23, 2007. Included are all adjustments made as part of the FY 2007 Third Quarter Review:*

- ◆ The Board of Supervisors made no adjustments to this fund.

A Fund Statement, a Summary of Capital Projects and Project Detail Tables for each project funded in FY 2008 are provided on the following pages. The Summary of Capital Projects may include some projects without a Total Project Estimate amount. These projects are considered "continuing" projects or projects for which funding is necessary on an ongoing basis (e.g., a contingency or planning project). The Project Detail Tables include project location, description, source of funding, and completion schedules.

# Fund 402

## Sewer Construction Improvements

### FUND STATEMENT

Fund Type G40, Enterprise Funds

Fund 402, Sewer Construction Improvements

	FY 2006 Actual	FY 2007 Adopted Budget Plan	FY 2007 Revised Budget Plan	FY 2008 Advertised Budget Plan	FY 2008 Adopted Budget Plan
<b>Beginning Balance</b>	\$34,946,272	\$0	\$40,053,464	\$0	\$0
Transfer In:					
Sewer Revenue (400)	\$32,807,900	\$11,861,000	\$11,861,000	\$13,550,000	\$13,550,000
Total Transfer In	\$32,807,900	\$11,861,000	\$11,861,000	\$13,550,000	\$13,550,000
<b>Total Available</b>	<b>\$67,754,172</b>	<b>\$11,861,000</b>	<b>\$51,914,464</b>	<b>\$13,550,000</b>	<b>\$13,550,000</b>
Total Expenditures	\$27,700,708	\$11,861,000	\$51,914,464	\$13,550,000	\$13,550,000
<b>Total Disbursements</b>	<b>\$27,700,708</b>	<b>\$11,861,000</b>	<b>\$51,914,464</b>	<b>\$13,550,000</b>	<b>\$13,550,000</b>
<b>Ending Balance<sup>1</sup></b>	<b>\$40,053,464</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<sup>1</sup> The capital projects in this sewer fund are budgeted based on the total project costs. Most projects span multiple years, from design to construction completion. Therefore, funding for capital projects is carried forward each fiscal year, and ending balances fluctuate, reflecting the carryover of these funds.

# Fund 402

## Sewer Construction Improvements

### FY 2008 Summary of Capital Projects

#### Fund: 402 Sewer Construction Improvements

<b>Project #</b>	<b>Description</b>	<b>Total Project Estimate</b>	<b>FY 2006 Actual Expenditures</b>	<b>FY 2007 Revised Budget</b>	<b>FY 2008 Advertised Budget Plan</b>	<b>FY 2008 Adopted Budget Plan</b>
G00901	DC Treatment Center - Blue Plains	\$91,105,605	\$5,954,948.40	\$10,569,615.39	\$0	\$0
G00903	Arlington Wastewater Treatment	23,487,392	154,026.00	9,407,426.00	0	0
I00351	Pump Station Renovations		3,451,639.81	4,490,611.03	3,000,000	3,000,000
I00904	ASA Wastewater Treatment Plant	238,751,218	4,734,196.06	467,057.70	0	0
L00117	Dogue Creek Rehab/Replacement		67,647.83	1,842,925.30	0	0
N00321	Lower Potomac Exp. 54 MGD	95,949,000	461,936.80	653,589.12	0	0
T00124	Rocky Run Pump Station	4,335,926	0.00	303,413.98	0	0
X00445	Integrated Sewer Metering		0.00	130,597.86	0	0
X00823	Extension Projects FY 1993	4,009,003	0.00	147,449.28	0	0
X00826	Extension Project FY 1996	22,938,799	1,915,956.61	7,841,893.66	2,050,000	2,050,000
X00900	Replacement Transmission		515,020.00	261,705.19	0	0
X00905	Replacement & Transmission		5,389,524.82	8,848,575.41	8,500,000	8,500,000
X00906	Sewer Line Enlargement		792,311.21	337,388.46	0	0
X00908	Sewer Line Replacement - 5 Inch		0.00	136,920.04	0	0
X00910	Replacement and Renewal		4,262,063.05	5,661,696.10	0	0
X00930	Sewer Relocation - VADOT		1,437.76	178,677.43	0	0
X00940	Developer Projects County Costs		0.00	396,663.35	0	0
X00998	Sewer Contingency Project		0.00	185,686.27	0	0
X00999	Sewer Revolving Fund		0.00	52,572.00	0	0
<b>Total</b>		<b>\$480,576,943</b>	<b>\$27,700,708.35</b>	<b>\$51,914,463.57</b>	<b>\$13,550,000</b>	<b>\$13,550,000</b>

## Fund 402 Sewer Construction Improvements

<b>I00351</b>	<b>Pump Station Renovations</b>
Countywide	Countywide
<p><b>Description and Justification:</b> This project provides for the renovation of pumping stations within the Wastewater Management Program. FY 2008 funding in the amount of \$2,039,000 is for repair, renovation, and replacement of various pumping station equipment. FY 2008 funding of \$961,000 provides for the replacement and upgrade of back-up generators at pumping stations throughout the county. This funding will ensure proper operations in the wastewater treatment plant during power outages.</p>	

	Total Project Estimate	Prior Expenditures	FY 2006 Expenditures	FY 2007 Revised Budget Plan	FY 2008 Advertised Budget Plan	FY 2008 Adopted Budget Plan	Future Years
Land Acquisition		\$35,640	\$974	(\$974)	\$0	\$0	\$0
Design and Engineering		3,507,408	209,190	(100,920)	0	0	0
Construction		9,573,937	3,155,903	4,604,922	3,000,000	3,000,000	0
Other		406,353	85,573	(12,417)	0	0	0
<b>Total</b>	Continuing	<b>\$13,523,339</b>	<b>\$3,451,640</b>	<b>\$4,490,611</b>	<b>\$3,000,000</b>	<b>\$3,000,000</b>	<b>\$0</b>

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Sewer Revenue	Total Funding
\$0	\$0	\$0	\$3,000,000	\$3,000,000

**Operating Budget Impact:** The completion of this project will have no measurable impact on the operating budget.

## Fund 402

### Sewer Construction Improvements

<b>X00826</b>	<b>Extension Projects</b>
Countywide	Countywide
<p><b>Description and Justification:</b> This project provides for the completion of sewer extension and improvement projects in those areas of the County with chronic septic systems failures. FY 2008 funding of \$2,050,000 provides for the second year of costs to install approximately 12,000 linear feet of eight-inch sanitary sewer line. This funding will partially address septic failures for eighty-seven dwellings on River Oaks Road as recommended by the Health Department. It is anticipated that additional funding will be required in FY 2009 to complete this project.</p>	

	Total Project Estimate	Prior Expenditures	FY 2006 Expenditures	FY 2007 Revised Budget Plan	FY 2008 Advertised Budget Plan	FY 2008 Adopted Budget Plan	Future Years
Land Acquisition	\$1,020,458	\$1,020,458	\$167,689	(\$167,689)	\$0	\$0	\$0
Design and Engineering	4,105,586	3,563,324	533,078	9,184	0	0	0
Construction	17,241,113	5,988,957	1,136,192	8,065,965	2,050,000	2,050,000	0
Other	571,641	558,210	78,998	(65,567)	0	0	0
<b>Total</b>	<b>\$22,938,799</b>	<b>\$11,130,949</b>	<b>\$1,915,957</b>	<b>\$7,841,894</b>	<b>\$2,050,000</b>	<b>\$2,050,000</b>	<b>\$0</b>

Source of Funding				
General Funding	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$2,050,000	\$2,050,000

**Operating Budget Impact:** The completion of this project will have no measurable impact on the operating budget.

## Fund 402

### Sewer Construction Improvements

<b>X00905</b>	<b>Replacement and Transmission</b>
Countywide	Countywide
<p><b>Description and Justification:</b> This project provides for the systematic rehabilitation of the County's more than 3,300 miles of sanitary sewer lines. Funding of \$8,500,000 includes \$6,500,000 for the recurring repair, replacement and renovation of 20 miles of sewer lines using predominantly "no dig" technologies. In addition, \$2,000,000 is included for the replacement of the Dogue Creek Force Main.</p>	

	Total Project Estimate	Prior Expenditures	FY 2006 Expenditures	FY 2007 Revised Budget Plan	FY 2008 Advertised Budget Plan	FY 2008 Adopted Budget Plan	Future Years
Land Acquisition		\$138,472	\$517	\$20,377	\$0	\$0	\$0
Design and Engineering		2,049,601	128,625	134,479	0	0	0
Construction		74,006,291	5,222,658	8,694,594	8,500,000	8,500,000	0
Other		365,791	37,725	(875)	0	0	0
<b>Total</b>	Continuing	<b>\$76,560,155</b>	<b>\$5,389,525</b>	<b>\$8,848,575</b>	<b>\$8,500,000</b>	<b>\$8,500,000</b>	\$0

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Sewer Revenue	Total Funding
\$0	\$0	\$0	\$8,500,000	\$8,500,000

**Operating Budget Impact:** The completion of this project will eliminate costly operation and maintenance costs for the wastewater collection facilities.