

Amendment 1 to Amendment 22 to Council Bill No. 25-2018

**BY: Chairperson at the request
of the County Executive**

**Legislative Day No. 6
Date: May 31, 2018**

Amendment No. 1 to Amendment 22

(This amendment reflects the move of \$964,000 in grant funding from the operating budget to the capital budget. Grant funding will be added to Capital Project S6264, LPWRP Capital Repairs.)

1 On page 2, after item A14., insert:

2 “15. S6264 LPWRP Capital Repairs Adds \$964,000 in grant funding.”

4 On page 4, after item B26., insert:

5 “27. S6264 LPWRP Capital Repairs Adds reference to the Energy Water Infrastructure
6 Program and, in Project Status, adds reference to
7 work performed at the Little Patuxent WRP”.

10 On page 5, in line 2, strike “and 217” and substitute “217, 221, 222, 223, 224, 225 and 226”.

12 On page 5, in line 4, strike “and 217” and substitute “217, 221, 222, 223, 224, 225 and 226”.

14 On page 5, after line 19, insert:

15 “11. S6264, LPWRP Capital Repairs, reflecting A(15) and B(27), above.”.

17 Attach pages 221, 222, 223, 224, 225 and 226, as attached to this Amendment to Amendment 22,
18 to Amendment 22.

20 Attach BOTH Detail Pages for Capital Project S6264, as attached to this Amendment to
21 Amendment 22, to Amendment 22.

Howard County, MD
FY 2019 Capital Budget Ordinance (\$000)
Program : SEWER PROJECTS

Project Information	Funding Source	Prior Appropriation	Fiscal 2019 Budget	Total Appropriation	Total
S6264 FY2008 LPWRP CAPITAL REPAIRS	C	14,683	0	14,683	14,683
A project to systematically repair, replace, or upgrade existing facilities at the Little Patuxent Water Reclamation Plant (LPWRP), and existing water distribution and wastewater collection system facilities.	G	0	964	964	964
	M	14,405	3,825	18,230	18,230
	Total	29,088	4,789	33,877	33,877
S6268 FY2008 PIPELINE REHABILITATION PROGRAM	C	5,480	650	6,130	6,130
A project to protect and stabilize sewers and water mains in areas where stream and soil erosion have compromised the integrity of the system.	Total	5,480	650	6,130	6,130
S6269 FY2009 ASHLEIGH KNOLLS SHARED SEWAGE DISP FAC UPGD	B	1,874	0	1,874	1,874
A project to design and install a wastewater treatment system for the Ashleigh Knolls Shared Septic Facility to meet new Maryland Department of the Environment (MDE) discharge permit limits.	G	1,100	0	1,100	1,100
	P	162	0	162	162
	Total	3,136	0	3,136	3,136
S6274 FY2015 UPPER LITTLE PATUXENT PARALLEL SEWER	M	3,150	300	3,450	3,450
A project for the design and construction of 2,500 LF of parallel sewer including streambank protection, and water/sewer utilities stream crossing protection adjacent to the Little Patuxent Interceptor Sewer, north of MD108.	Total	3,150	300	3,450	3,450
S6275 FY2012 DANIELS AREA PUMPING STATION	M	2,500	0	2,500	2,500
A project for the study, design and construction of a wastewater pumping station and force main to serve the Daniels Area east of Old Frederick Road.	Total	2,500	0	2,500	2,500
S6276 FY2011 SEWER CLEANING MAPPING AND TELEVISION INSPECTION MAINTENANCE	I	8,107	1,230	9,337	9,337
Develop a Sewer Manhole and Line Segment Inspection and Cleaning Program to include all County-owned water sewer lines within the collection system.	Total	8,107	1,230	9,337	9,337
S6280 FY2013 HAMMOND/PATUXENT INTERCEPTOR IMPROVEMENTS	M	18,490	1,000	19,490	19,490
A project for the study, design and construction of 20,000 feet of parallel sewer in the Hammond Branch and Patuxent sewer drainage areas.	Total	18,490	1,000	19,490	19,490

May 30, 2018

Howard County, MD

Howard County, MD
FY 2019 Capital Budget Ordinance (\$000)
Program : SEWER PROJECTS

Project Information	Funding Source	Prior Appropriation	Fiscal 2019 Budget	Total Appropriation	Total
S6281 FY2013 DORSEY/GUILFORD INTERCEPTOR IMPROVEMENTS A project for the study, design and construction of 14,600 feet of parallel sewer in the Dorsey Run and Guilford Run sewer drainage areas.	M	12,345	0	12,345	12,345
Total		12,345	0	12,345	12,345
S6282 FY2013 BONNIE BRANCH/ROCKBURN INTERCEPTOR IMPROVEMENTS A project for the design and rehabilitation of 6,100 feet of interceptor sewer in the Bonnie Branch sewer drainage area and the re-commissioning and upgrade of the Kerger Road Pumping Station and force main.	M	5,325	0	5,325	5,325
Total		5,325	0	5,325	5,325
S6283 FY2013 TIBER/SUCKER BRANCH INTERCEPTOR IMPROVEMENTS A project for the design and construction of 18,250 feet of parallel sewer in the Tiber Branch and Sucker Branch sewer drainage areas.	M	9,400	805	10,205	10,205
Total		9,400	805	10,205	10,205
S6284 FY2013 DEEP RUN/SHALLOW RUN INTERCEPTOR IMPROVEMENTS A project for the design and construction of 44,000 feet of parallel sewer in the Deep Run and Shallow Run sewer drainage areas.	M	19,635	1,560	21,195	21,195
Total		19,635	1,560	21,195	21,195
S6285 FY2017 MD108 PUMP STATION OUTFALL IMPROVEMENTS A project for the design and construction of 1,585 feet of parallel sewer in the Tiber Branch sewer drainage area to support flows from the MD108 Pumping Station.	M	115	180	295	295
Total		115	180	295	295
S6286 FY2013 DORSEY RUN PUMP STATION UPGRADE A project to upgrade and increase the pumping capacity of the Dorsey Run Pumping Station.	M	4,637	500	5,137	5,137
Total		4,637	500	5,137	5,137
S6287 FY2017 NORTH LAUREL PUMP STATION PARALLEL FORCE MAIN A project for the design and construction of 4,600 feet of parallel force main to supplement the pumping capacity of the North Laurel Wastewater Pumping Station.	M	2,510	0	2,510	2,510
Total		2,510	0	2,510	2,510
S6288 FY2020 ROCKBURN PUMPING STATION UPGRADE A project to upgrade and coordinate the pumping capacity of the Rockburn Pumping Station with the Kerger Road Pumping Station.	M	0	0	0	0
Total		0	0	0	0

May 30, 2018

Howard County, MD

Howard County, MD
FY 2019 Capital Budget Ordinance (\$000)
Program : SEWER PROJECTS

Project Information	Funding Source	Prior Appropriation	Fiscal 2019 Budget	Total Appropriation	Total
S6290 FY2014 SAVAGE AREA SEWER STUDY and REALIGNMENT A project for the study and realignment of 3,500 linear feet of sewer in the area of Baltimore Street and Washington Street, west of William Street in Savage, Maryland.	M	4,250	0	4,250	4,250
Total		4,250	0	4,250	4,250
S6293 FY2015 TURF VALLEY ROAD SEWER A project for the design and construction of 2,000 LF of sewer to serve three properties located on US40.	I	1,064	0	1,064	1,064
Total		1,064	0	1,064	1,064
S6294 FY2015 ANNAPOLIS JUNCTION PUMPING STATION RENOVATION A project for the renovation of the Annapolis Junction Pumping Station.	I	355	500	855	855
	Q	125	0	125	125
Total		480	500	980	980
S6295 FY2016 LPWRP 8th ADDITION BIOSOLIDS PROCESSING FACILITIES A project to design and construct new biosolids processing facilities at the Little Patuxent Water Reclamation Plant (LPWRP) for the purpose of meeting new Maryland Department of the Environment (MDE) biosolids storage and disposal regulations, achieve biosolids volume reduction, and enhance biosolids quality for end-use purposes.	C	15,235	0	15,235	15,235
	M	87,000	11,240	98,240	98,240
Total		102,235	11,240	113,475	113,475
S6296 FY2016 HARRIET TUBMAN LANE SEWER EXTENSION A project for the design and construction of 150 LF of sewer to serve one property on Harriet Tubman Lane.	C	440	0	440	440
Total		440	0	440	440
S6297 FY2016 OLD FREDERICK ROAD PUMPING STATION UPGRADE A project for the design and construction of upgrades to increase the pumping capacity of the Old Frederick Road Pumping Station.	M	1,735	0	1,735	1,735
Total		1,735	0	1,735	1,735
S6298 FY2018 DORSEY RUN ROAD SEWER EXTENSION A project for the design and construction of 475 LF of 8-inch sewer main along Dorsey Run Road to serve one property with a failing septic system.	M	400	0	400	400
Total		400	0	400	400
S6500 FY2017 SEWER AREA ASSESSMENT AND MODELING A project [program] for the study and evaluation of sewer areas and/or water zones.	C	355	0	355	355
Total		355	0	355	355

May 30, 2018

Howard County, MD

Howard County, MD
FY 2019 Capital Budget Ordinance (\$000)
Program : SEWER PROJECTS

Project Information	Funding Source	Prior Appropriation	Fiscal 2019 Budget	Total Appropriation	Total
S6600 FY2019 WATER AND WASTEWATER FACILITIES CAPITAL REPAIRS AND UPGRADES A project [program] to repair or upgrade existing water or sewer facilities.	M	0	2,500	2,500	2,500
	Total	0	2,500	2,500	2,500
S6698 ROUTINE SEWER EXTENSION PROGRAM A project to design and construct routine sewer main extensions in the Metropolitan District requested by landowners.	M	4,875	0	4,875	4,875
	Total	4,875	0	4,875	4,875
S6699 ON SITE SEPTIC SYSTEM CONVERSION PROGRAM A project for the study, design and implementation of converting properties within the water and sewer Planned Service Area that are currently on private on-site septic systems to public sewer service.	M	6,000	0	6,000	6,000
	Total	6,000	0	6,000	6,000
S6711 FY2011 DEVELOPER INSPECTION PROGRAM A project to provide engineering or administrative services, computer management, asset management, inspection, testing, staff training, supplies, tools, equipment and vehicles necessary for site inspections for the implementation of developer projects to make additions to the public water and sewer systems.	C	3,600	500	4,100	4,100
	D	5,650	0	5,650	5,650
	Q	500	-500	0	0
	Total	9,750	0	9,750	9,750
S6950 DEVELOPER CONSTRUCTED HOUSE CONNECTIONS A program for the reimbursement to developers for construction of water and sewer house connections to existing lots outside of their subdivision.	C	180	0	180	180
	Total	180	0	180	180
S6960 FY2015 DEVELOPER CONSTRUCTED MAJOR FACILITIES A project to reimburse developers for construction of major water and sewer facilities as shown on the approved Howard County Master Plan for Water and Sewerage.	C	3,000	0	3,000	3,000
	Total	3,000	0	3,000	3,000
Total		453,577	-3,236	450,341	450,341

Howard County, MD
FY 2019 Capital Budget Ordinance (\$000)
SEWER-SEWER PROJECTS

	Revenue Source	Prior Appropriation Total	Current FY	Appropriation Total	Total
B	BONDS	1,874	0	1,874	1,874
C	UTILITY CASH	68,818	1,660	70,478	70,478
D	DEVELOPER CONTRIBUTION	9,250	1,000	10,250	10,250
G	GRANTS	11,100	964	12,064	12,064
I	IN-AID of CONSTRUCT UTILITIES	15,825	1,730	17,555	17,555
M	METRO DISTRICT BOND	316,987	-8,090	308,897	308,897
Q	OTHER SOURCES	5,625	-500	5,125	5,125
P	PAY AS YOU GO	162	0	162	162
W	WATER QUALITY State Bond Loan	23,936	0	23,936	23,936
Total		453,577	-3,236	450,341	450,341

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Fiscal 2019 Capital Budget

SEWER PROJECTS

Project: S6264-FY2008 LPWRP CAPITAL REPAIRS

Number: S6264

Description

A project to systematically repair, replace, or upgrade existing facilities at the Little Patuxent Water Reclamation Plant (LPWRP), and existing water distribution and wastewater collection system facilities. Work may include the performance of energy audits, alternative power source up-grades and/or the installation of energy conservation techniques at the plant or system facilities.

Justification

Much of the infrastructure at the LPWRP and at Water/Wastewater Collection System Facilities is aging and is not currently scheduled for replacement by existing upgrades. These infrastructure facilities are beginning to experience age related failure, and systematic replacement and upgrades will extend their useful life.

Remarks

1. The project management will be performed by in-house LPWRP staff with possible professional services and requirements contract support.
2. This will be an ongoing project.
3. GRANT represents Energy Water Infrastructure Program.

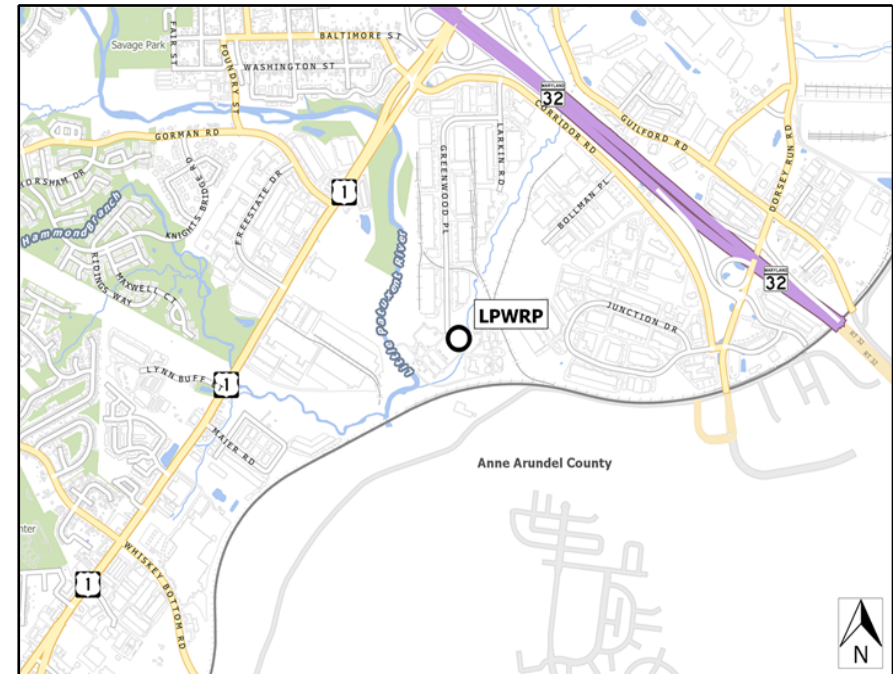
Project Schedule

FY08 - Project initiation
Ongoing project, funded each year

Operating Budget Impact

Annual Bond Redemption \$ \$2,501,113

Reduction in the number and dollar amount of emergency repairs estimated to be in excess of \$100,000 annually.



Fiscal 2019 Capital Budget

SEWER PROJECTS

Project: FY2008 LPWRP CAPITAL REPAIRS

Number: S6264

(In Thousands)	Five Year Capital Program										Master Plan			
	Prior Appr.	FY2019 Budget	Appr. Total	Fiscal 2020	Fiscal 2021	Fiscal 2022	Fiscal 2023	Fiscal 2024	Sub Total	Fiscal 2025	Fiscal 2026	Fiscal 2027	Fiscal 2028	Total Project
PLANS & ENGINEERING	1,200	350	1,550	350	350	350	350	350	1,750	350	350	350	350	4,700
CONSTRUCTION	21,098	4,214	25,312	3,250	3,250	3,250	3,250	3,250	16,250	3,250	3,250	3,250	3,250	54,562
ADMINISTRATION	640	75	715	75	75	75	75	75	375	75	75	75	75	1,390
EQUIPMENT & FURNISHINGS	6,150	150	6,300	150	150	150	150	150	750	150	150	150	150	7,650
Total Expenditures	29,088	4,789	33,877	3,825	3,825	3,825	3,825	3,825	19,125	3,825	3,825	3,825	3,825	68,302
UTILITY CASH	14,683	0	14,683	0	0	0	0	0	0	0	0	0	0	14,683
GRANTS	0	964	964	0	0	0	0	0	0	0	0	0	0	964
METRO DISTRICT BOND	14,405	3,825	18,230	3,825	3,825	3,825	3,825	3,825	19,125	3,825	3,825	3,825	3,825	52,655
Total Funding	29,088	4,789	33,877	3,825	3,825	3,825	3,825	3,825	19,125	3,825	3,825	3,825	3,825	68,302

\$28,030,692 spent and encumbered through February 2018

\$23,718,113 spent and encumbered through February 2017

Project Status : FY19 Projects:

(1) Increase to Storm Drain Rebuild \$150,000

(2) Lab HVAC Replacement \$200,000

(3) East/West Gallery Waste Upgrade \$500,000

(4) Increase to Effluent Pipe Stabilization \$300,000

(5) Upgrade Centrifuge Controls \$300,000

(6) Engineering - Redesign of the Septage Receiving facility \$100,000

(7) Chamberlea, Mt. Hebron, Allenford and Patapsco pump station rehab design \$370,000

(8) Unanticipated Projects \$500,000

(9) Perform necessary work at Little Patuxent WRP (LPWRP) EWIP grant to replace existing main sewage pumps located at the headworks building

FY 2018 Budget	29,088	3,325	32,413	3,325	3,325	3,325	3,325	0	13,300	0	0	0		45,713
Difference 2018 / 2019	0	1,464	1,464	500	500	500	500	3,825	5,825	3,825	3,825	3,825	3,825	22,589