

Spring Gardens WWPS Replacement

A. Identification and Coding Information		
Agency Number	Project Number	Update Code
S - 000094.14	382003	Change

PDF Date	October 1, 2021
Date Revised	February 16, 2022

Pressure Zones	
Drainage Basins	Monocacy 25
Planning Areas	Damascus & Vicinity PA 11

B. Expenditure Schedule (000's)

Cost Elements	Total	Thru FY'21	Estimate FY'22	Total 6 Years	Year 1 FY'23	Year 2 FY'24	Year 3 FY'25	Year 4 FY'26	Year 5 FY'27	Year 6 FY'28	Beyond 6 Years
Planning, Design & Supervision	2,821	301	400	2,120		120	650	650	350	350	
Land											
Construction	7,200			7,200					3,600	3,600	
Other	972		40	932		12	65	65	395	395	
Total	10,993	301	440	10,252		132	715	715	4,345	4,345	

C. Funding Schedule (000's)

WSSC Bonds	3,517	96	141	3,280		42	229	229	1,390	1,390	
SDC	7,476	205	299	6,972		90	486	486	2,955	2,955	

D. Description & Justification

DESCRIPTION

This project provides for the planning, design, and construction of a 1.3 MGD wastewater pumping station, 7,500 linear feet of force main, and 900 linear feet of gravity sewer. The relocated wastewater pumping station and force main will provide service to the existing and future Spring Gardens service area.

BENEFIT

Infrastructure Reinvestment: This project replaces existing infrastructure that has exceeded its useful life.; System Capacity: This project will enhance existing infrastructure by building additional capacity in order to meet existing and/or future demand.; Environmental Sustainability: This project supports WSSC Water's commitment to protect the natural environment of Prince George's and Montgomery Counties.

JUSTIFICATION

The existing pumping station and force main are over 41 years old and have reached the end of their useful lives. Additionally, the existing capacity of the pumping station must be increased to accommodate build-out of the service area and therefore it must be replaced with a new facility rated at 1.3 MGD. This replacement work was recommended by various business case evaluations undertaken as part of WSSC Water's Asset Management Program.

COST CHANGE

Due to budgetary constraints, this project has been deferred for one year.

OTHER

The project scope has remained the same. The schedule and expenditure projections shown in Block B above are preliminary planning level estimates and are expected to change based upon site conditions and design constraints. Planning work began in FY'18 under ESP project S-602.26, Spring Gardens WWPS Replacement. Future land costs are included in project S-203.00.

COORDINATION

Coordinating Agencies: Maryland Department of the Environment; Maryland State Highway Administration; Maryland-National Capital Park & Planning Commission; Montgomery County Department of Public Works and Transportation; Montgomery County Government
Coordinating Projects: Not Applicable

E. Annual Operating Budget Impact (000's)		FY of Impact
Staff & Other		
Maintenance	\$75	28
Debt Service	\$203	28
Total Cost	\$278	28
Impact on Water and Sewer Rate		

F. Approval and Expenditure Data (000's)

Date First in Program	FY'20
Date First Approved	FY'20
Initial Cost Estimate	10,180
Cost Estimate Last FY	10,665
Present Cost Estimate	10,993
Approved Request Last FY	110
Total Expense & Encumbrances	301
Approval Request Year 1	

G. Status Information

Land Status	Land and R/W to be acquired
Project Phase	Planning
Percent Complete	5 %
Estimated Completion Date	June 2027
Growth	67%
System Improvement	33%
Environmental Regulation	
Population Served	
Capacity	1.3 MGD

H. Map

MAP NOT APPLICABLE