

White Oak Water Mains Augmentation

A. Identification and Coding Information			PDF Date	October 1, 2023	Pressure Zones	Montgomery Main 495A
Agency Number	Project Number	Update Code	Date Revised		Drainage Basins	
W - 000113.20	382001	Change			Planning Areas	Fairland-Beltsville (PG) PA 61; Langley Park & Vicinity PA 65

B. Expenditure Schedule (000's)

Cost Elements	Total	Thru FY'23	Estimate FY'24	Total 6 Years	Year 1 FY'25	Year 2 FY'26	Year 3 FY'27	Year 4 FY'28	Year 5 FY'29	Year 6 FY'30	Beyond 6 Years
Planning, Design & Supervision	557	305	200	52	20	20	12				
Land											
Construction	9,900			9,900	6,800	3,000	100				
Other	1,015		20	995	682	302	11				
Total	11,472	305	220	10,947	7,502	3,322	123				

C. Funding Schedule (000's)

SDC	11,472	305	220	10,947	7,502	3,322	123				
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D. Description & Justification

<p>DESCRIPTION</p> <p>This project provides for the planning, design, and construction required for the replacement of 7,015 feet of 4-inch to 20-inch diameter water main along Cherry Hill Road, Gracefield Road, and Powder Mill Road to serve three planned projects in the White Oak area: Washington Adventist Hospital, VIVA Global LifeSci Village, and Food & Drug Administration White Oak Master Plan.</p> <p>BENEFIT</p> <p>Economic Development: This growth project supports the economic development goals of the Counties; System Capacity: This project will enhance existing infrastructure by building additional capacity in order to meet existing and/or future demand; System Reliability: This project will improve service reliability through fewer and shorter service interruptions</p> <p>JUSTIFICATION</p> <p>The existing mains in these areas will be upsized to provide adequate capacity to serve domestic and fire flow needs for the three new developments. The mains will also provide additional looping and redundancy to the 495A Pressure Zone.</p> <p>MWCOG Round 8.0 growth forecasts; WSSC Memorandum dated November 21, 2017; Capital Needs Process Validation #122 submitted December 4, 2017.</p> <p>COST CHANGE</p> <p>The schedule and expenditure projections were revised based upon updated engineer's estimates.</p> <p>OTHER</p> <p>The project scope has been revised to remove 635 feet of pipe that was constructed under another project. The schedule and expenditure projections shown in Block B above are preliminary design level estimates and are expected to change based upon site conditions and design constraints. No WSSC Water rate supported debt will be used for this project.</p> <p>COORDINATION</p> <p>Coordinating Agencies: Maryland Department of the Environment; Maryland State Highway Administration; Montgomery County Government; Prince George's County Government</p> <p>Coordinating Projects: W - 000113.21 - Viva White Oak Water Main</p>

E. Annual Operating Budget Impact (000's)		FY of Impact
Staff & Other		
Maintenance		
Debt Service		
Total Cost		
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	4,830
Cost Estimate Last FY	5,567
Present Cost Estimate	11,472
Approved Request Last FY	400
Total Expense & Encumbrances	305
Approval Request Year 1	7,502

G. Status Information	
Land Status	Not Applicable
Project Phase	Design
Percent Complete	30 %
Estimated Completion Date	June 2026
Growth	100%
System Improvement	
Environmental Regulation	
Population Served	
Capacity	

