

White Oak Water Mains Augmentation

| A. Identification and Coding Information | | | PDF Date | October 1, 2024 | 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'24 | Estimate FY'25 | Total 6 Years | Year 1 FY'26 | Year 2 FY'27 | Year 3 FY'28 | Year 4 FY'29 | Year 5 FY'30 | Year 6 FY'31 | Beyond 6 Years |
|--------------------------------|--------|------------|----------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| Planning, Design & Supervision | 641 | 607 | 20 | 14 | 14 | | | | | | |
| Land | | | | | | | | | | | |
| Construction | 9,383 | | 5,900 | 3,483 | 3,390 | 93 | | | | | |
| Other | 941 | | 592 | 349 | 340 | 9 | | | | | |
| Total | 10,965 | 607 | 6,512 | 3,846 | 3,744 | 102 | | | | | |

C. Funding Schedule (000's)

| | | | | | | | | | | | |
|-----|--------|-----|-------|-------|-------|-----|--|--|--|--|--|
| SDC | 10,965 | 607 | 6,512 | 3,846 | 3,744 | 102 | | | | | |
|-----|--------|-----|-------|-------|-------|-----|--|--|--|--|--|

D. Description & Justification

DESCRIPTION

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.

BENEFIT

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

JUSTIFICATION

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.

MWCOG Round 8.0 growth forecasts; WSSC Memorandum dated November 21, 2017; Capital Needs Process Validation #122 submitted December 4, 2017.

COST CHANGE

Not applicable.

OTHER

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.

COORDINATION

Coordinating Agencies: Maryland Department of the Environment; Maryland State Highway Administration; Montgomery County Government; Prince George's County Government
Coordinating Projects: W - 000113.21 - Viva White Oak Water Main

| E. Annual Operating Budget Impact (000's) | | FY of Impact |
|---|-------|--------------|
| Staff & Other | | |
| Maintenance | \$145 | 27 |
| Debt Service | | |
| Total Cost | \$145 | 27 |
| 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 | 11,472 |
| Present Cost Estimate | 10,965 |
| Approved Request Last FY | 7,502 |
| Total Expense & Encumbrances | 607 |
| Approval Request Year 1 | 3,744 |

G. Status Information

| | |
|---------------------------|----------------|
| Land Status | Not Applicable |
| Project Phase | Design |
| Percent Complete | 98 % |
| Estimated Completion Date | June 2026 |

| | |
|--------------------------|------|
| Growth | 100% |
| System Improvement | |
| Environmental Regulation | |
| Population Served | |
| Capacity | |

H. Map

