

Potomac WFP Main Zone Pipeline

A. Identification and Coding Information		
Agency Number	Project Number	Update Code
W - 000073.32	133800	Change

PDF Date	October 1, 2019
Date Revised	

Pressure Zones	Montgomery Main 495A; Prince George's High HG450A;
Drainage Basins	
Planning Areas	Potomac-Cabin John & Vicinity PA 29

B. Expenditure Schedule (000's)

Cost Elements	Total	Thru FY'19	Estimate FY'20	Total 6 Years	Year 1 FY'21	Year 2 FY'22	Year 3 FY'23	Year 4 FY'24	Year 5 FY'25	Year 6 FY'26	Beyond 6 Years
Planning, Design & Supervision	3,540	1,400	800	1,340	625	415	100	100	100		
Land											
Construction	30,900			30,900		6,300	12,300	9,300	3,000		
Other	3,305		80	3,225	63	672	1,240	940	310		
Total	37,745	1,400	880	35,465	688	7,387	13,640	10,340	3,410		

C. Funding Schedule (000's)

WSSC Bonds	37,745	1,400	880	35,465	688	7,387	13,640	10,340	3,410		
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D. Description & Justification

DESCRIPTION

This project provides for the planning, design, and construction of approximately 1,500 feet of 84-inch diameter redundancy main from the Main Zone pumping station to the 96-inch diameter and 66-inch diameter main wye connections on River Road. The project may include a rock tunnel segment.

JUSTIFICATION

The existing 78-inch diameter PCCP pipeline is the major feed to the 96-inch diameter Montgomery County Main Zone pipeline and the 66-inch diameter River Road pipeline. The primary purpose of this project is to provide redundancy for the existing line. The Business Case recommended a new 84-inch diameter main be installed from the Main Zone pumping station to the 66-inch diameter and 96-inch diameter wye connection. In addition the wye connection will be replaced as part of this project.
E-mail from M. Woodcock to C. Fricke and E. Betanzo dated April 27, 2011; "Business Case Evaluation for Potomac Water Treatment Plan - 78 inch finished water main redundancy", O'Brien and Gere Engineers, Inc. (October 2013)

COST CHANGE

Not applicable.

OTHER

The project scope has remained the same. Expenditure and schedule projections shown in Block B above are Order of Magnitude estimates and may change based upon site specific conditions and design constraints.

COORDINATION

Coordinating Agencies: Maryland Department of Natural Resources; 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; U.S. Army Corps of Engineers
Coordinating Projects: W - 000073.33 - Potomac WFP Consent Decree Program

E. Annual Operating Budget Impact (000's)		FY of Impact
Staff & Other		
Maintenance	\$44	26
Debt Service	\$2,455	26
Total Cost	\$2,499	26
Impact on Water and Sewer Rate	\$0.01	26

F. Approval and Expenditure Data (000's)

Date First in Program	FY 13
Date First Approved	FY 13
Initial Cost Estimate	330
Cost Estimate Last FY	38,102
Present Cost Estimate	37,745
Approved Request Last FY	460
Total Expense & Encumbrances	1,400
Approval Request Year 1	688

G. Status Information

Land Status	Not Applicable
Project Phase	Planning
Percent Complete	25 %
Estimated Completion Date	June 2025

Growth	
System Improvement	100%
Environmental Regulation	
Population Served	
Capacity	Approx. 200 MGD

H. Map

