

Water Utility Master Plan Improvements

Project Number: 12-WS-13-001

Project Class: Water

Department: Public Works

Project Description: This program provides for major component construction and upgrades to the water distribution system. As a result of Herndon Transit-Oriented Core (HTOC), Downtown Master Plan (DTMP), Overlay Districts, and rezoning cases, water system construction and upgrades will be targeted to provide sufficient domestic and fire flow to new developments. In FY17 the Virginia Department of Health instructed staff that storage needs were not being met; VDH recommends raising the water system's storage tank water levels 15 feet. Staff is working with its engineering consultant to meet the short term needs. The proposed allocated monies will be for the first of two phases for meeting future capacity needs. By 2025, the second phase will be needed. Raising the water levels includes system improvements to control pressures (PRV/Control valves, vaults, etc.) \$308,000; Phase 1 - construct 16" transmission main north of town extending to Third Street tank - \$3,000,000; Phase 2 -construct 12" transmission main from Third Street storage tank to Spring Knoll tank -

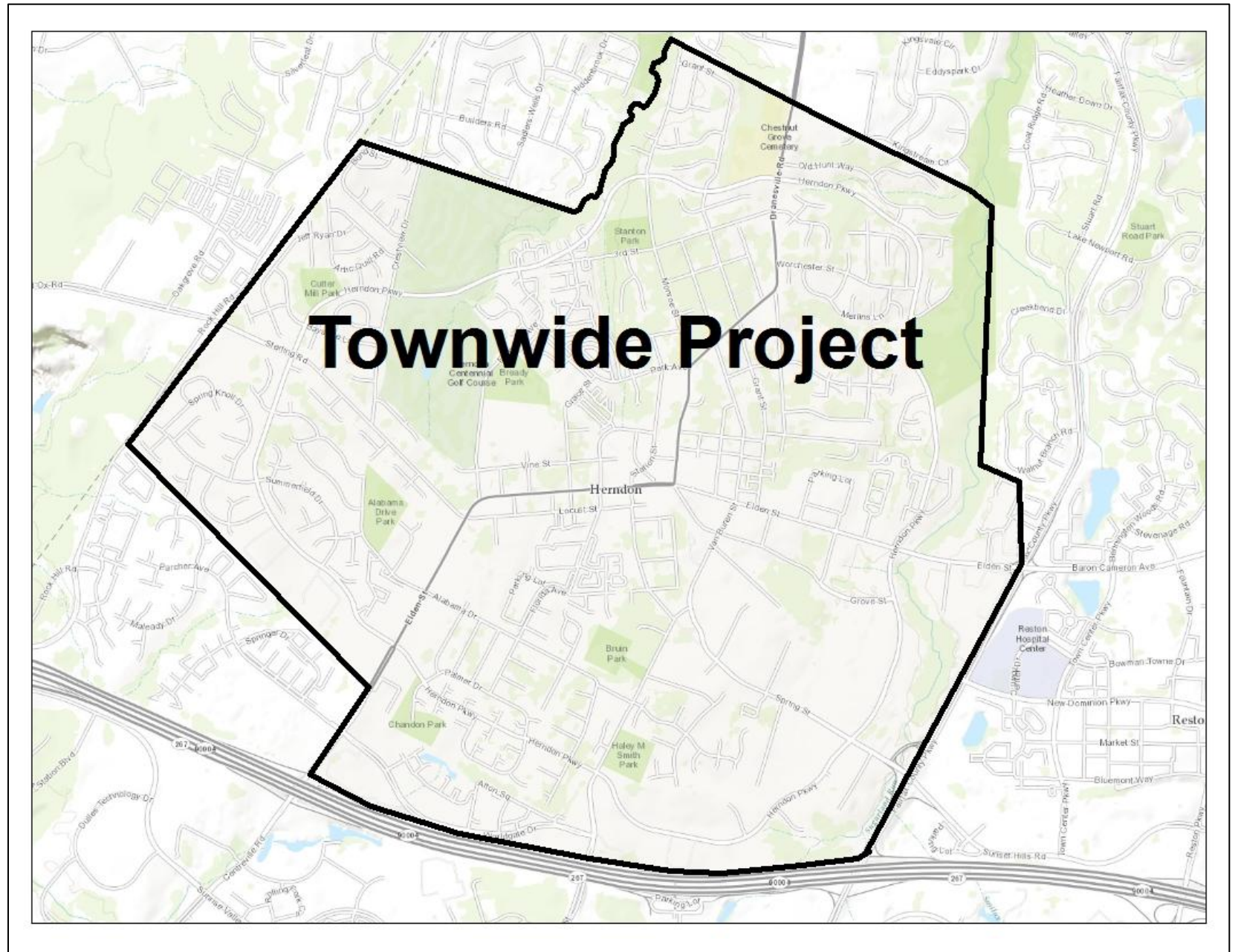
Adopted Goals and Objectives:

Comprehensive Plan Goals for Public Service:

1. Ensure there is sufficient drinking water and sewer capacity to meet the needs of the town residential and commercial residents.

2035 Vision Plans and Goals:

2. Strengthen the bonds with Fairfax and Loudoun Counties to advance common interests, including transportation planning, access to Innovation Metro Station, and the adjacent development impacts to the Town of Herndon.



amounts indicated = dollars in thousands

ESTIMATED COST:	Estimated Reserves	Fiscal Year							
		2018	2019	2020	2021	2022	2023	Beyond	TOTAL
Land Acquisition									0
Architecture/Engin./Admin.	308								308
Construction and related services	0	1000	1000	1000				TBD	3000
Equipment/Furniture									0
TOTAL	308	1000	1000	1000	0	0	0	0	3308

FINANCING SOURCES:									
Water and Sewer Fund									0
Bonds/Municipal Loans									0
Availability Fee Fund	308	1000	1000	1000				TBD	3308
Other Funding Sources									0
TOTAL	308	1000	1000	1000	0	0	0	0	3308

Funding Note: Improvements made to, or replacement of, existing infrastructure that is either obsolete or nearing the end of its service life will be partially funded out of O&M.

WATER AND SEWER FUND OPERATING IMPACT:									
Capital Costs									0
Debt Service									0
Personnel/Operations									0
TOTAL	0	0	0	0	0	0	0	0	0