



Department Source: City Utilities - Sewer/Stormwater

To: City Council

From: City Manager & Staff

Council Meeting Date: January 16, 2024

Re: Public hearing: proposed replacement and improvement of storm drainage infrastructure on Crestridge Drive.

Executive Summary

This is the public hearing concerning the replacement and improvement of public storm drainage infrastructure on Crestridge Drive as shown on the attached Location Map. An interested parties meeting was held on May 4, 2022. The resolution estimate for this project is \$935,000 to be paid from Stormwater Utility funds and such other funds as may be lawfully obtained.

Discussion

The Crestridge Drive Culvert Replacement Project will consist of constructing approximately 50 feet of open-bottom arch culvert with wingwalls, 290 feet of 8 inch sanitary sewer main, 4 sanitary sewer structures and 3 channel stabilization weirs. The existing culvert is undersized and in poor condition, and the existing sanitary sewer main is exposed in the creek. The existing condition of the infrastructure is causing severe yard and street flooding.

An Interested Parties (IP) Meeting was held on May 4, 2022 at City Hall. In addition, Staff has met with adjacent property owners multiple times. In general, property owners have been supportive of the project. During the discussions a concern has been that the improving the capacity of the culvert under Crestridge will lead to increased channel erosion between Crestridge and Ridgemont. The plan addresses this concern by reducing the slope of the channel through the culvert and placing rough riprap through the barrel of the new culvert which will reduce velocities as much as possible while still reducing flooding. Another concern has been the loss of large trees. Unfortunately, many of these large trees are in close proximity to the existing box culvert, and in one instance is growing around the headwall of the existing box culvert. Due to their close proximity to the existing box culvert, saving the trees is infeasible. The plan will preserve as many trees as possible; focusing on young and middle-aged trees so that the tree canopy will recover quickly. Property owners can be reimbursed for damages due to tree loss during the easement acquisition process.

The resolution estimate for the stormwater project is \$935,000 to be paid by Storm Water Utility enterprise revenue funds and such other funds as may be lawfully obtained.

Fiscal Impact

Short-Term Impact: The resolution estimate is \$935,000.

Long-Term Impact: Reduction in maintenance costs.

Strategic & Comprehensive Plan Impact



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Strategic Plan Impacts:

Primary Impact: Reliable and Sustainable Infrastructure, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Environmental Management, Tertiary Impact: Mobility, Connectivity, and Accessibility

Legislative History

Date	Action
12/04/2023	R187-23 Setting a public hearing: proposed construction of storm water improvements on Crestridge Drive.
11/21/2022	R187-22 Authorizing an agreement for professional engineering services with Anderson Engineering, Inc. relating to the Crestridge Drive culvert replacement project.
05/04/2022	Interested Parties Meeting

Suggested Council Action

Direct staff to proceed with the final design of the proposed replacement and improvement of public storm drainage infrastructure on Crestridge Drive.