



Department Source: City Utilities - Sewer/Stormwater

To: City Council

From: City Manager & Staff

Council Meeting Date: August 5, 2024

Re: Authorizing construction of the Calvert Drive Stormwater Improvement Project; calling for bids through the Purchasing Division.

Executive Summary

Staff has prepared for council consideration an ordinance authorizing construction and a bid call through the Purchasing Division for the Calvert Drive Stormwater Improvement Project, see attached Location Map. The public hearing for this project was held on October 16, 2023. The estimate for the Calvert Drive Stormwater Improvement project is \$3,400,000 and will be paid from Storm Water Utility funds. The estimate for the Calvert Drive Sewer Improvement project is \$255,000 and will be paid from Sewer Utility funds.

Discussion

Calvert Drive Stormwater and Sanitary Sewer Improvement Project will consist of constructing stormwater infrastructure improvements on Vandiver Drive and Sylvan Lane, a regional detention basin at Calvert Drive, and relocating the sanitary sewer at Calvert Drive.

The proposed stormwater improvements include 2,080 feet of new stormwater conveyance, ten (10) inlets and eight (8) stormwater structures as well as a detention basin and its appurtenances. The proposed sanitary sewer improvements include approximately 490 feet of new sewer pipe and three (3) new sanitary sewer structures. Refer to the Stormwater Project Graphic and Sewer Project Graphic. Upgrading the storm system is proposed to reduce the occurrence of street flooding and eliminate future storm system maintenance from under the building. The proposed stormwater system will drain into a new regional detention basin, providing water quality treatment and flood detention for approximately 35 acres of drainage area in the Hinkson Creek watershed. The sewer relocation work is required to construct the new detention basin.

The cost estimate for the stormwater project is \$3,400,000 to be paid from Storm Water Utility funds. The estimate for the sanitary sewer project is \$255,000 to be paid from Sewer Utility funds. The Calvert Drive stormwater project has been approved by Missouri Department of Natural Resources (MDNR) for \$2,219,928.20 in reimbursable American Rescue Plan Act (ARPA) funds. A partial award of \$42,154.00, with \$33,301.66 being grant, was agreed to with MDNR at the December 18, 2023 Council meeting. The remaining grant will be awarded after MDNR reviews the construction bids, the grant award will return to Council for approval in the future. Construction is expected to begin in fiscal year 2025.



Fiscal Impact

Short-Term Impact: The cost estimate for the Stormwater Improvements is \$3,400,000. The cost estimate for the Sewer Improvements is \$255,000.

Long-Term Impact: : Minimal annual costs to maintain the detention basin. Work can be accomplished with current staffing and operations budget.

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

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

Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Environmental Management, Tertiary Impact: Not Applicable

Legislative History

Date	Action
03/18/2024	B52-24 Ordinance: Authorizing the acquisition of four (4) additional easements for construction of stormwater improvements on Calvert Drive, Sylvan Lane and Vandiver Drive, and construction of sanitary sewer improvements on Calvert Drive.
02/19/2024	B26-24 Ordinance: Authorizing the acquisition of easements for construction of stormwater improvements on Calvert Drive, Sylvan Lane and Vandiver Drive, and construction of sanitary sewer improvements on Calvert Drive.
12/18/2023	B302-23 Ordinance: Accepting a partial award of grants funds from the Missouri Department of Natural Resources for the Calvert Drive stormwater detention project; authorizing a financial assistance agreement; amending the FY 2024 Annual Budget by appropriating funds.
10/16/2023	PH36-23 Public Hearing: construction of stormwater improvements on Calvert Drive, Sylvan Lane and Vandiver Drive, and proposed construction of sanitary sewer improvements on Calvert Drive.
09/05/2023	R2-23 Setting a public hearing: Proposed construction of stormwater improvements on Calvert Drive, Sylvan Lane and Vandiver Drive, and proposed construction of sanitary sewer improvements on Calvert Drive.
04/17/2023	R61-23 Resolution: Authorizing an agreement for professional engineering services with Thouvenot, Wade & Moerchen, Inc. for topographic and boundary surveys for the Calvert Drive storm water improvement project.

Suggested Council Action

Approval of the ordinance.