


COUNCIL COMMUNICATION

	Number:	24-402	Meeting:	October 7, 2024
	Agenda Item:	6E	Roll Call:	24-1329
	Submitted by:	Jonathan A. Gano, P.E., Public Works Director, and Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Ordering construction of the following: E. 8th Street and E. Market Street Pump Station - Receiving bids, (11-5-24), and Setting date of hearing, (12-9-24). (Construction Estimate - \$13,000,000).

SYNOPSIS:

Recommend the City Council order construction of the improvement and set dates to receive bids and hold a public hearing, as required by Iowa Code, utilizing the method of financing referenced below. The E. 8th Street and E. Market Street Pump Station project replaces an old pump station along the Des Moines River at E. 1st Street and mitigates flood risk in the Market District. This project includes:

- A new stormwater pump station located adjacent to the existing stormwater detention basin located near E. 8th Street and Market Street.
- Demolition of the existing stormwater pump station located along the Des Moines River at E. 1st Street.
- Rehabilitation of the existing gatewell to remain located north of the existing stormwater pump station located along the Des Moines River at E. 1st Street.
- Expansion of the existing E. 8th and Market stormwater detention basin to increase the volume of the stormwater detention basin and make a portion of the basin a wet bottom basin.
- Installation of over 700 feet of new 72-inch storm sewer from stormwater basin east of E. 7th Street to the intersection of E. 6th Street and Vine Street.
- Installation of over 100 feet of 72-inch by 96-inch storm sewer box from the stormwater basin to connect the existing 60-inch storm sewer located at E. 7th Street and E. Market Street.

FISCAL IMPACT:

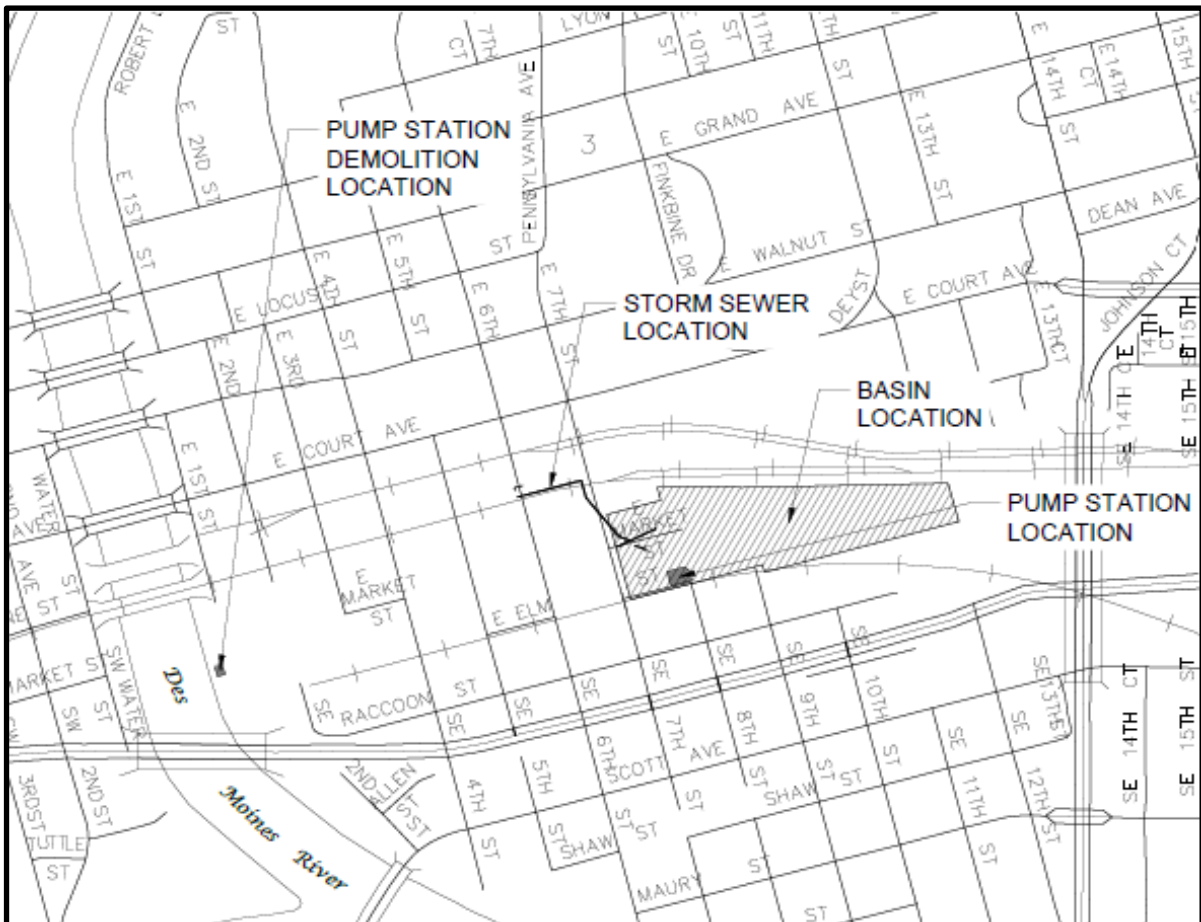
Amount: \$13,000,000 City Engineer's Estimate

Funding Source: Fiscal Year (FY) 2024-2025 Capital Improvement Program (CIP), Page 118, Market District Infrastructure Improvements, ST282, Tax Increment Funding Bonds

ADDITIONAL INFORMATION:

- The Engineering Department has prepared plans, specifications, form of contract documents, and City Engineer's estimate for the construction of the E. 8th Street and E. Market Street Pump Station, Activity ID 08-2024-002. The improvement includes construction of a three (3)-pump storm water pump station including the installation of pumps, mechanical bar screens, electrical and controls building, cast-in-place concrete pump station structure, lighting, standby power generator, removal and demolition of existing pump station, Reinforced Concrete Pipe (RCP) storm sewer, Trenchless storm sewer, Reinforced Concrete Box (RCB) culvert, cast-in-place manholes, Portland Cement Concrete (PCC) pavement, excavation and expansion of an existing detention basin, landscaping, erosion control, restoration and miscellaneous associated work including cleanup and other incidental items, all in accordance with the contract documents including Plans File No. 665-019/084, located near E. 8th Street and E. Market Street.
- The estimated construction cost is \$13,000,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.
- On November 4, 2019, by Roll Call No. 19-1761, City Council approved an Amendment to PlanDSM Creating our Tomorrow Plan, to approve the Market District of the East Village Master Plan as an element of the comprehensive plan.
- The Market District of the East Village Master Plan identified key infrastructure improvements in the Market District, including stormwater management improvements to mitigate flood risk in the Market District.
- The existing stormwater pump station located along the Des Moines River at E. 1st Street and E. Market Street needs replacement due to its age and condition as identified in the Des Moines Downtown Levees Stormwater Pump Station Assessment completed as part of the City's Flood Mitigation Project. This existing stormwater pump station is located in an area known to have contaminated soils. This existing pump station will be replaced by a new pump station proposed near the intersection of E. 8th Street and E. Market Street.
- The existing stormwater detention basin located east of E. 8th Street and E. Market Street is planned for expansion to mitigate flood risk in the Market District and accommodate some of the stormwater management requirements for a master planned development in the Market District.
- The E. 8th Street and E. Market Street Pump Station project includes:
 - A new stormwater pump station located adjacent to the existing stormwater detention basin located near E. 8th Street and Market Street.
 - Demolition of the existing stormwater pump station located along the Des Moines River at E. 1st Street.
 - Rehabilitation of the existing gatewell to remain located north of the existing stormwater pump station located along the Des Moines River at E. 1st Street.
 - Expansion of the existing E. 8th and Market stormwater detention basin to increase the volume of the stormwater detention basin and make a portion of the basin a wet bottom basin.

- Installation of over 700 feet of new 72-inch storm sewer from stormwater basin east of E. 7th Street to the intersection of E. 6th Street and Vine Street.
- Installation of over 100 feet of 72-inch by 96-inch storm sewer box from the stormwater basin to connect the existing 60-inch storm sewer located at E. 7th Street and E. Market Street.
- A new stormwater force main from the new stormwater pump station on E. 8th Street running south to the Des Moines River will be installed under a separate construction contract.
- Construction of this project is anticipated to be fully completed by fall 2027, in accordance with the following completion provisions:
 - Construction of the new pump station, including expansion of the detention basin (excluding sodding and seeding), shall be completed by November 15, 2026.
 - Work related to the demolition and decommissioning of the existing pump station located on E. 1st Street shall not commence prior to March 1, 2027. Additionally, the City will have a separate project reconstructing E. 1st Street from E. Market Street to E. Court Avenue in 2027. Contractor shall coordinate access to the existing pump station with the contractor working on the E. 1st Street reconstruction project.
 - Additionally, the City will have a separate project reconstructing E. 4th Street from E. Market Street to E. Court Avenue in construction in 2025. The E. 4th Street reconstruction project shall be completed prior to the Contractor commencing any work on E. 6th Street that is a part of this project. The E. 4th Street reconstruction project is anticipated to be completed by Spring 2026. Work impacting traffic on E. 6th Street shall not commence prior to June 1, 2026.



PREVIOUS COUNCIL ACTION(S):

Date: October 18, 2021

Roll Call Number: [21-1538](#)

Action: [Approving](#) exception to Request for Proposal process for good cause and approving Professional Services Agreement with Veenstra & Kimm, Inc. for design services for Market District Stormwater Improvements, not to exceed \$818,794. ([Council Communication No. 21-453](#)). Moved by Boesen to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S):

Board: Urban Design Review Board

Date: October 1, 2024

Resolution Number: C

Action: Review and Recommendation of the Market District Stormwater Pump Station at 201 SE 7th Street.

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Anticipated actions include public hearing, receive and file bids, designate lowest bidder, and approve contract and bond; also partial payments to the contractor and final acceptance of work.

Anticipate actions related to a new stormwater force main from the new stormwater pump station on E. 8th Street running south to the Des Moines River to be installed under a separate construction contract.

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