

# COUNCIL COMMUNICATION

 CITY OF DES MOINES OFFICE OF THE CITY MANAGER	Number:	<b>22-513</b>	Meeting:	<b>November 7, 2022</b>
	Agenda Item:	<b>6C</b>	Roll Call:	<b>22-1712</b>
	Submitted by:	<b>Jonathan A. Gano, P.E., Public Works Director, and Steven L. Naber, P.E., City Engineer</b>		

## AGENDA HEADING:

Ordering construction of the following: Hamilton Drain Storm Water Improvements Phase 3 - Receiving bids, (11-22-22), and Setting date of hearing, (12-12-22). Construction Estimate - \$8,340,000.

## 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 project includes the construction of storm water detention basins at 3801 E. 9th Street and 3610 E. 12th Street, and the construction of trunk storm sewer from the new detention basin in the 3900 block of Amherst Street to the intersection of E. Euclid Avenue and Wright Street. These storm water improvements are the third of four phases of the planned Hamilton Drain storm water improvement projects that will reduce storm water flooding in the Highland Park neighborhood and surrounding area. The project also includes the use of excavated spoils from the proposed improvements for a storm water repair at 3312 8th Street.

## FISCAL IMPACT:

Amount: \$8,340,000 City Engineer's Estimate

Funding Source: 2022-23 CIP, Page 107, Hamilton Drainage Area Improvements, SM133, Being: \$7,000,000 American Rescue Plan Act (ARPA) Funding (Storm Water), \$340,000 ARPA Funding (Water Main), and the remaining \$1,000,000 in Storm Water Utility Funds from SM133.

## ADDITIONAL INFORMATION:

- The Engineering Department has prepared plans, specifications, form of contract documents, and City Engineer's estimate for the construction of the Hamilton Drain Storm Water Improvements Phase 3, Activity ID 08-2022-002. The improvement includes the construction of 15-inch to 72-inch diameter storm sewer, concrete box culverts, manholes, intakes, subdrain, sanitary sewer, Portland Cement Concrete (PCC) pavement, Hot Mix Asphalt (HMA) paving, removals, PCC sidewalk, PCC driveways, earthwork, water main adjustments, traffic control,

fencing, site furnishings, erosion control, and surface restoration; all in accordance with the contract documents, including Plan File No. 649-001/296, for the construction of storm water detention basins located at 3801 E. 9th Street and 3610 E. 12th Street, and construction of trunk storm sewer from the cul-de-sac in the 3900 block of Amherst Street to the intersection of E. Euclid Avenue and Wright Street, and as illustrated in orange in the figure below.

- The estimated construction cost is \$8,340,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.
- A wood box culvert, known as the Rocky Place Storm Sewer and installed in the 1930s in the Highland Park Neighborhood, conveys much of the drainage in the watershed generally located west of E. 14th Street, east of 2nd Avenue, north of Hull Avenue, and south of Aurora Avenue. This area has experienced flooding and the Federal Emergency Management Administration (FEMA) has designated a Special Flood Hazard Area in the neighborhood.
- The City, with the help of a consultant, developed a conceptual plan for proposed improvements, known as the Hamilton Drain East System Storm Sewer Improvements, which includes replacement of the old wooden box with new storm sewer in a new alignment through the neighborhood, and construction of multiple stormwater detention facilities to mitigate flooding and manage stormwater. Public meetings were held in October 2017, May 2019, and August 2020 to gather input prior to developing conceptual improvements, obtain feedback on proposed conceptual improvements, and present the final conceptual plan for improvements.
- The Hamilton Drain East System Storm Sewer Improvements is being constructed in four (4) phases.
- Phase 1 of the Hamilton Drain East System Storm Sewer Improvements was completed in 2021 and included construction of underground storm water detention basins near the intersections of Amherst Street and E. Shawnee Avenue and an above ground storm water detention basin near the intersection of E. Oak Park Avenue and E. 12th Street.
- Phase 2 of the Hamilton Drain East System Storm Sewer Improvements is approximately 65% complete and is estimated to be completed in the spring 2023. Phase 2 includes construction of approximately 2,600 lineal feet of 84-inches diameter storm sewer from the new detention basin off Amherst Street and south of E. Madison Avenue to northwest of the intersection of E. Aurora Avenue and Cornell Street, and construction of three (3) new stormwater detention basins:
  - 544,000 cubic-feet storage detention basin located northeast of the intersection of 2nd Avenue and NE 43rd Avenue.
  - 370,000 cubic-feet storage detention basin located off Amherst Street and south of E. Madison Avenue.
  - 260,000 cubic-feet storage detention basin located east of the intersection of Jerlynn Avenue and York Street.

- Phase 3 of the Hamilton Drain East System Storm Sewer Improvements includes the construction of storm water detention basins at 3801 E. 9th Street (448,000 cubic feet storage) and 3610 E. 12th Street (357,000 cubic-foot storage), and the construction of trunk storm sewer from the new detention basin in the 3900 block of Amherst Street to the intersection of E. Euclid Avenue and Wright Street.
- Construction of this Phase 3 project is anticipated to begin in spring 2023 and be completed in fall 2024.

EXHIBIT: Overall Phasing - Hamilton Drain East System Storm Sewer Project

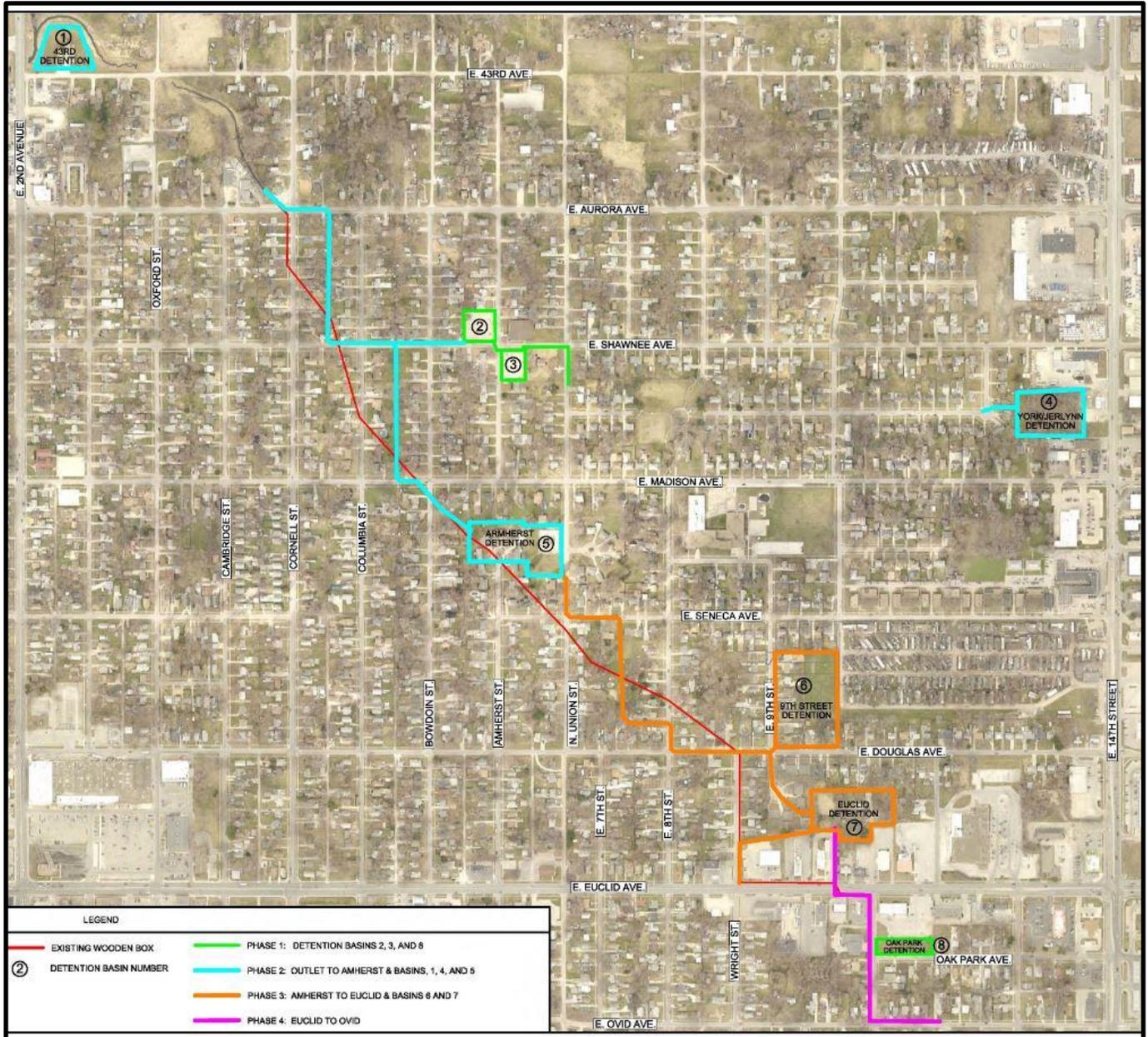
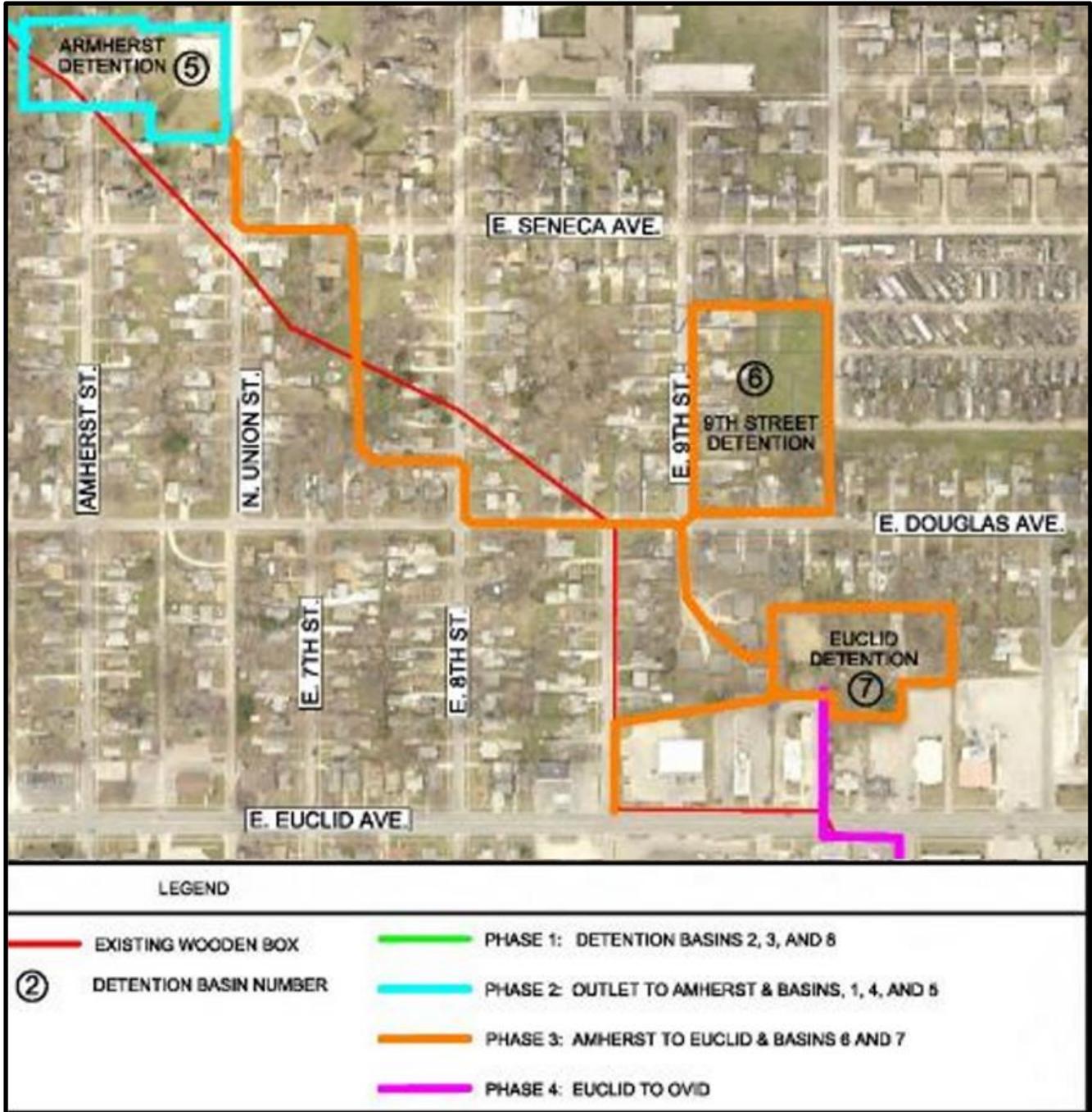


Exhibit: Phase 3 - Hamilton Drain East System Storm Sewer Project



**PREVIOUS COUNCIL ACTION(S):**

Date: June 27, 2022

Roll Call Number: [22-0990](#)

Action: [Authorization](#) to proceed with acquisition of the necessary property interests for the Hamilton Drain East System Storm Sewer Improvements – Phase 3 Project. ([Council Communication No. 22-297](#)) Moved by Gatto to adopt. Second by Boesen. Motion Carried 6-1. Absent: Sheumaker.

**BOARD/COMMISSION ACTION(S): NONE**

**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.

For more information on this and other agenda items, please call the City Clerk's Office at 515-283-4209 or visit the Clerk's Office on the first floor of City Hall, 400 Robert D Ray Drive. Council agendas are available to the public at the City Clerk's Office on Thursday afternoon preceding Monday's Council meeting. Citizens can also request to receive meeting notices and agendas by email by calling the Clerk's Office or sending their request via email to [cityclerk@dmgov.org](mailto:cityclerk@dmgov.org).