


COUNCIL COMMUNICATION

 CITY OF DES MOINES OFFICE OF THE CITY MANAGER	Number:	22-574	Meeting:	December 12, 2022
	Agenda Item:	63	Roll Call:	22-1939
	Submitted by:	Jonathan A. Gano, P.E., Public Works Director, and Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Hearing on Hamilton Drain Storm Water Improvements Phase 3: Resolution approving plans, specifications, form of contract documents, engineer's estimate, receive and file bids, and designating lowest responsible bidder as RW Excavating Solutions, LC, Dan E. Wilson, Managing Member, \$7,723,556.90.

SYNOPSIS:

This is a public hearing to allow for public input on the Hamilton Drain Storm Water Improvements Phase 3 and take the necessary actions as required by Iowa Code to authorize a contract for construction of the proposed project. 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 fourth 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 to conduct a storm water system repair and eroded embankment repair at 3312 8th Street.

FISCAL IMPACT:

Amount: \$7,723,556.90 construction contract (\$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), \$529,410 ARPA Funding (Water Main), and the remaining \$194,146.90 in Storm Water Utility Funds from SM133.

ADDITIONAL INFORMATION:

- On November 7, 2022, under Roll Call No. 22-1712, the City Council received and filed plans, specifications, form of contract documents, and City Engineer's estimate for the construction of the Hamilton Drain Storm Water Improvements Phase 3. Before the City Council can enter into a contract, it must hold a public hearing and approve the proposed plans, specifications, and form of contract documents and engineer's estimate for the construction of the Hamilton Drain Storm Water Improvements Phase 3, Activity 08-2022-002. The improvement includes the construction of a 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.

- Sealed bids for said improvement were submitted by the following bidders:
 - RW Excavating Solutions, LC, Prairie City, IA - Low Bid
 - MPS Engineers, P.C. d/b/a Kingston Services, P.C., Des Moines, IA
 - On Track Construction, LLC, Nevada, IA
 - S. M. Hentges & Sons Inc., Jordan, MN
 - Jasper Construction Services, Inc., Newton, IA
 - Synergy Contracting, LLC, Altoona, IA

- The bids were received and opened at a public meeting presided over by the City Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa at 11:00 a.m. on November 22, 2022.

- The City Engineer has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by RW Excavating Solutions, LC (Dan E. Wilson, Managing Member, 13293 S. 88th Avenue W, Prairie City, IA, 50228), in the amount of \$7,723,556.90, and said bid should be accepted. The Finance Director has determined that funds are available for said improvement as stated above.

- 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 assistance from an engineering 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) separate 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-foot storage detention basin located northeast of the intersection of 2nd Avenue and NE 43rd Avenue.
 - 370,000-cubic-foot storage detention basin located off Amherst Street and south of E. Madison Avenue.
 - 260,000-cubic-foot 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, as indicated in orange in the phasing maps below, 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

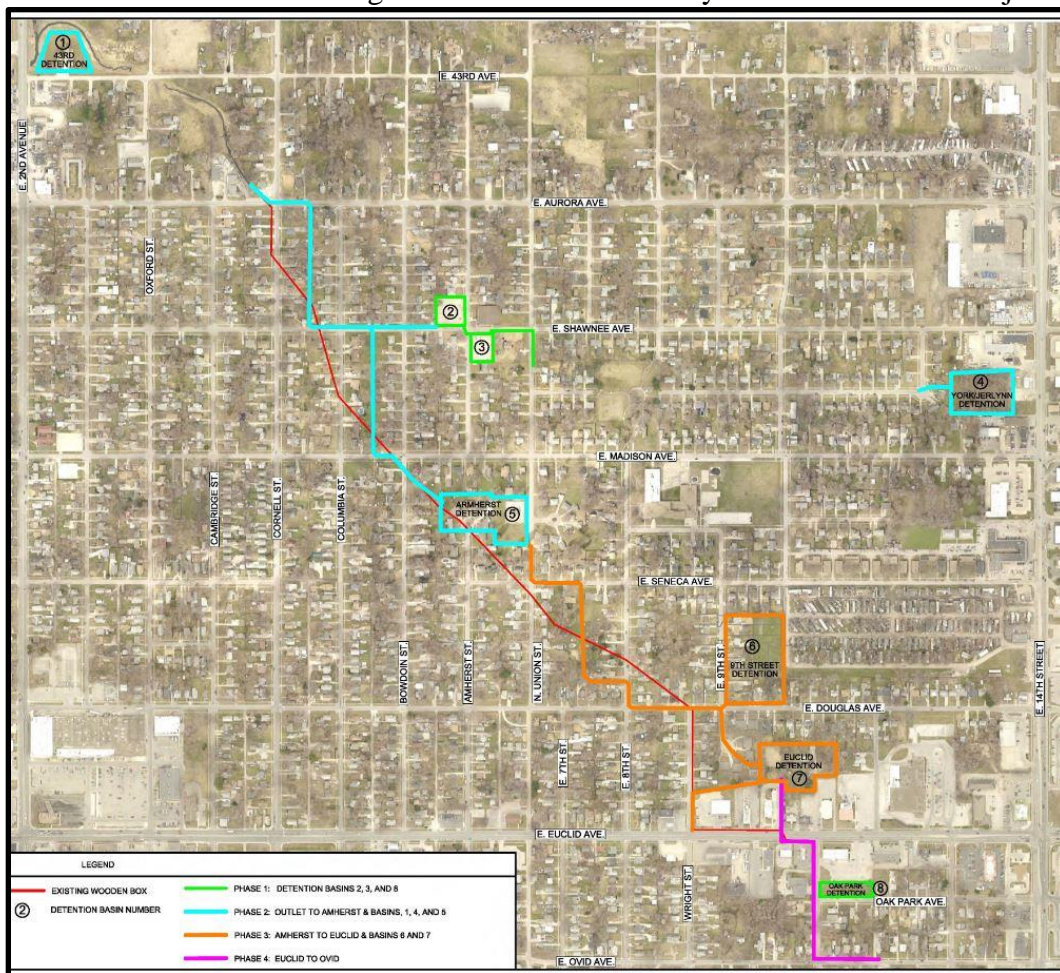
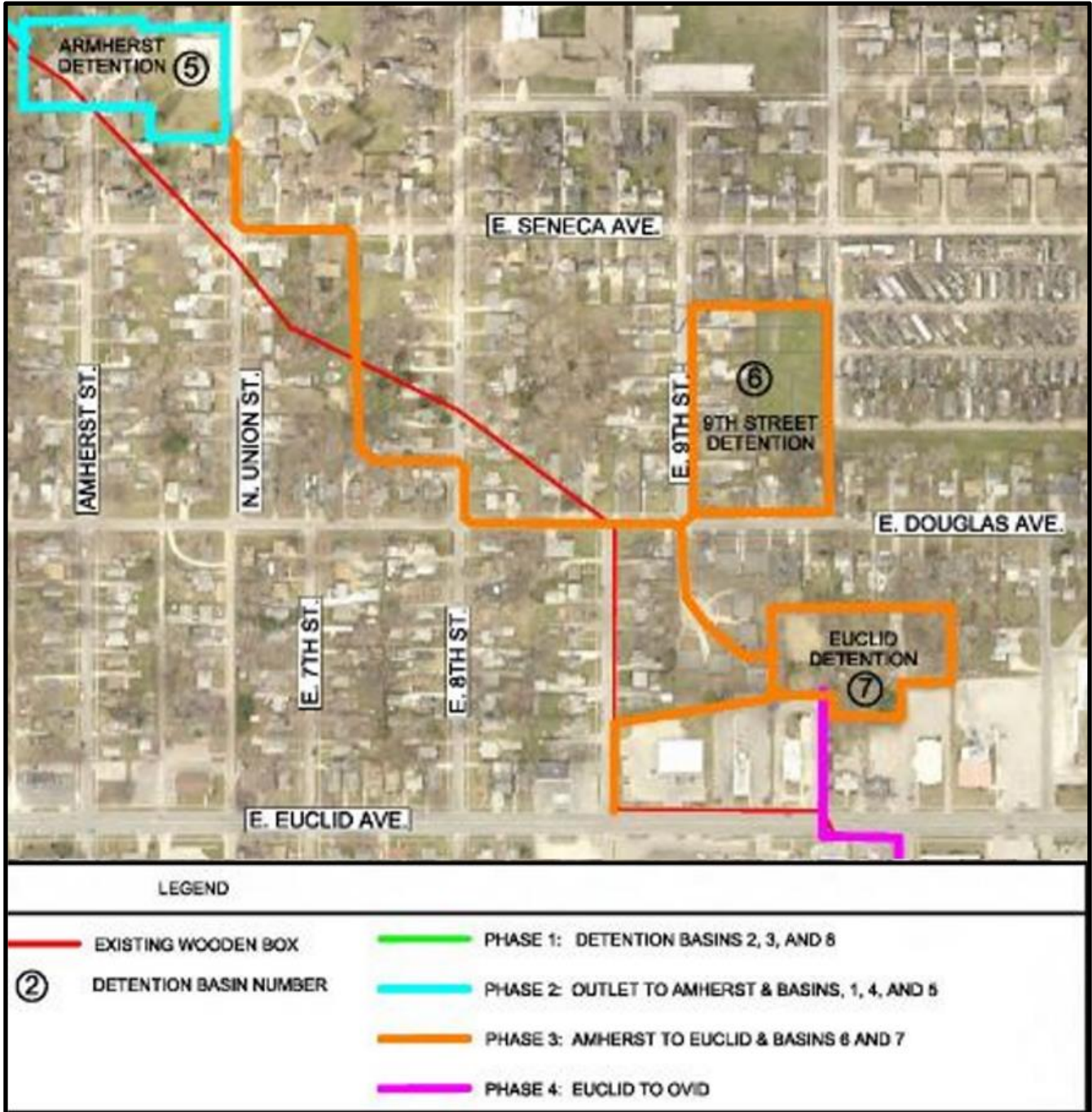


Exhibit: Phase 3 - Hamilton Drain East System Storm Sewer Project



PREVIOUS COUNCIL ACTION(S):

Date: November 7, 2022

Roll Call Number: [22-1712](#)

Action: Ordering construction of the following:

- (C) [Hamilton](#) Drain Storm Water Improvements Phase 3: Receiving of bids, (11-22-22) and Setting date of hearing, (12-12-22), Engineer's estimate, \$8,340,000. ([Council Communication No. 22-513](#)) Moved by Gatto to adopt. Second by Boesen. Motion Carried 6-1. Absent: Cownie.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Partial payments to the contractor and final acceptance of work.

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