

COUNCIL COMMUNICATION

	Number:	21-090	Meeting:	February 22, 2021
	Agenda Item:	7B	Roll Call:	21-250
	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: Western Ingersoll Run Sewer Separation Phase 1 - Receiving bids, (3-9-21), and Setting date of hearing, (4-5-21). Construction Estimate - \$10,095,000.

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. This project provides for the separation of storm water flows from the existing combined storm and sanitary sewer system as part of the Long-Term Control Plan to meet the requirements of the Iowa Department of Natural Resources (IDNR) and the 2010 IDNR issued Consent Order, Judgment, and Decree. This public improvement project is the first of three (3) planned phases for the Western Ingersoll Sewer Separation project. This first phase of the project will separate sewer flows generally between 42nd Street on the west, Ingersoll Avenue on the south, 35th Street on the east, and Interstate 235 on the north. Ultimately, when all three (3) phases are completed, storm and sanitary sewer flows will be separated for the area generally bounded by Forest Avenue on the north, 31st Street on the east, Grand Avenue on the south and 45th Street on the west.

FISCAL IMPACT:

Amount: \$10,095,000 City Engineer's Estimate

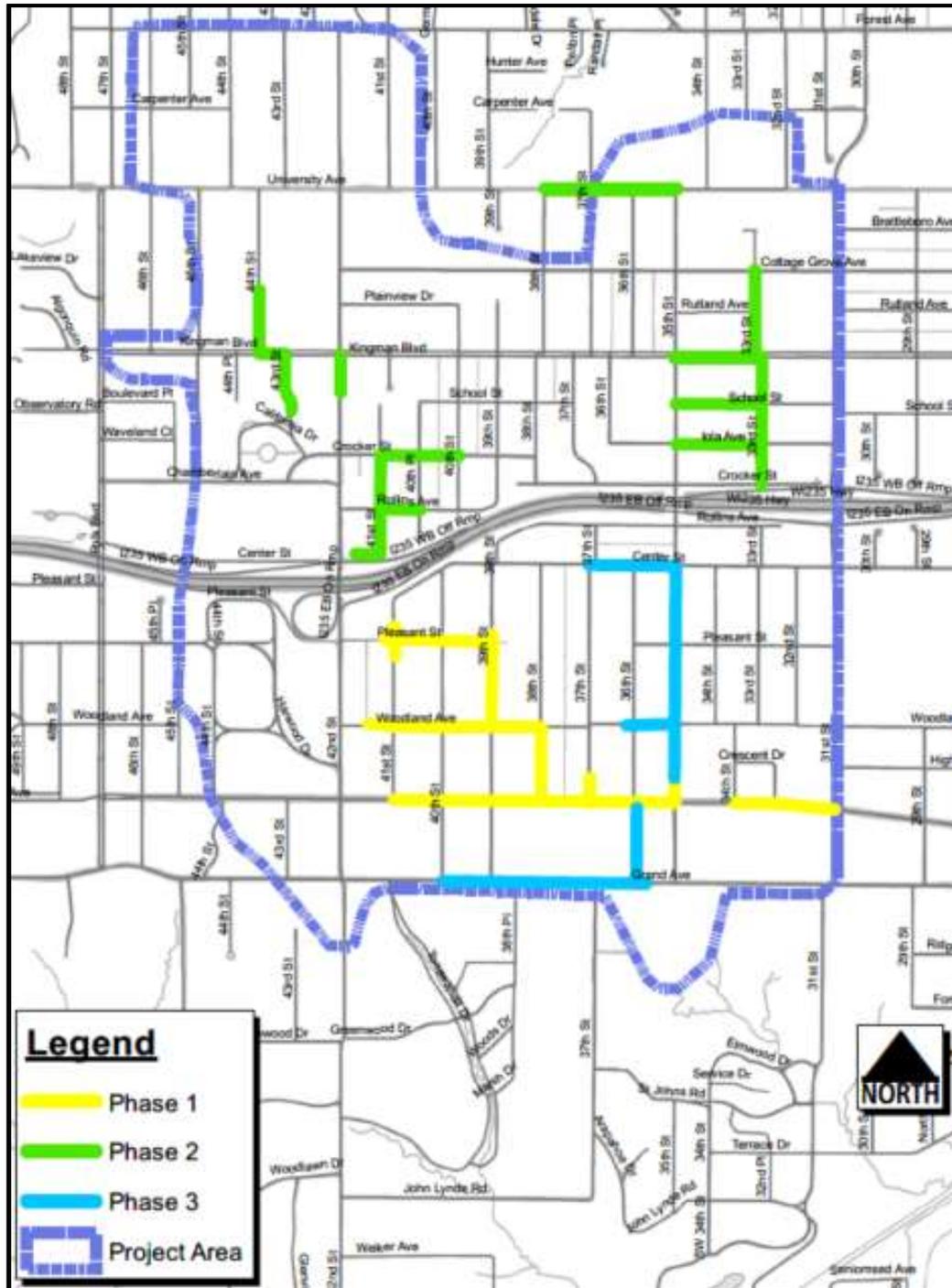
Funding Source: 2020-2021 CIP, Page Sanitary - 11, Western Ingersoll Sewer Separation, SS139, Being: \$9,605,517.50 in SRF funding issued and the remaining \$489,482.50 from Des Moines Water Works.

ADDITIONAL INFORMATION:

- The Engineering Department has prepared plans, specifications, form of contract documents, and City Engineer's estimate for the construction of the Western Ingersoll Run Sewer Separation Phase 1, 07-2019-006. The improvement includes Reinforced Concrete Pipe (RCP) storm sewer 12-inch to 60-inch, subdrain, sanitary service services, water services, water main alterations, fire hydrants, storm sewer manholes, storm sewer intakes, Hot Mix Asphalt (HMA)

pavement, Portland Cement Concrete (PCC) curb and gutter, PCC sidewalks, PCC driveways, earthwork, pavement markings, landscaping, erosion control, and other incidental items; all in accordance with the contract documents, including Plan File Nos. 622-001/360, located on Ingersoll Avenue from 35th to 41st Street, Pleasant Street from 41st Street to 39th Street, Woodland Avenue from 42nd Street to just east of the 38th Street, 35th Street from Ingersoll Avenue to north of the Walgreens access, 36th Street from 200 feet south of Ingersoll to 200 feet north of Ingersoll, 37th Street from Ingersoll Avenue to 400 feet north of Ingersoll, 38th Street from Ingersoll Avenue to Woodland Avenue, 39th Street from Woodland Avenue to Pleasant Street.

- The estimated construction cost is \$10,095,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.
- The Western Ingersoll basin is located in the western part of the City of Des Moines generally bounded on the east by 31st Street, bounded on the south by Grand Avenue, bounded on the west by a line located between 44th Street and 45th Street, and bounded on the north by an irregular line located between University Avenue and Forest Avenue.
- The sewers in the Western Ingersoll basin are tributary to the Ingersoll Run Combined Sewer. The Ingersoll Run Combined Sewer is tributary to the Wastewater Reclamation Authority's (WRA) Combined Sewer Overflow (CSO) at 22nd and High Street. The City, WRA and the IDNR have entered into a consent decree that requires the WRA to eliminate the CSO at 22nd and High Street no later than December 31, 2023.
- The total area of the Western Ingersoll basin is approximately 820 acres; however, the Western Ingersoll basin consists of two (2) separate basins, one (1) basin north of I-235 and one (1) basin south of I-235. Several storm sewer systems exist in the northern part of the Western Ingersoll basin (located north of I-235); therefore, the northern part of the Western Ingersoll basin is only partially combined. North of I-235, there are approximately 20 existing storm intakes connected to the combined sewer system.
- The total estimated cost for the recommended improvements for the Western Ingersoll Sewer Separation (north and south of I-235) is approximately \$20 million and will be constructed over three (3) project phases starting in 2021 through 2023.

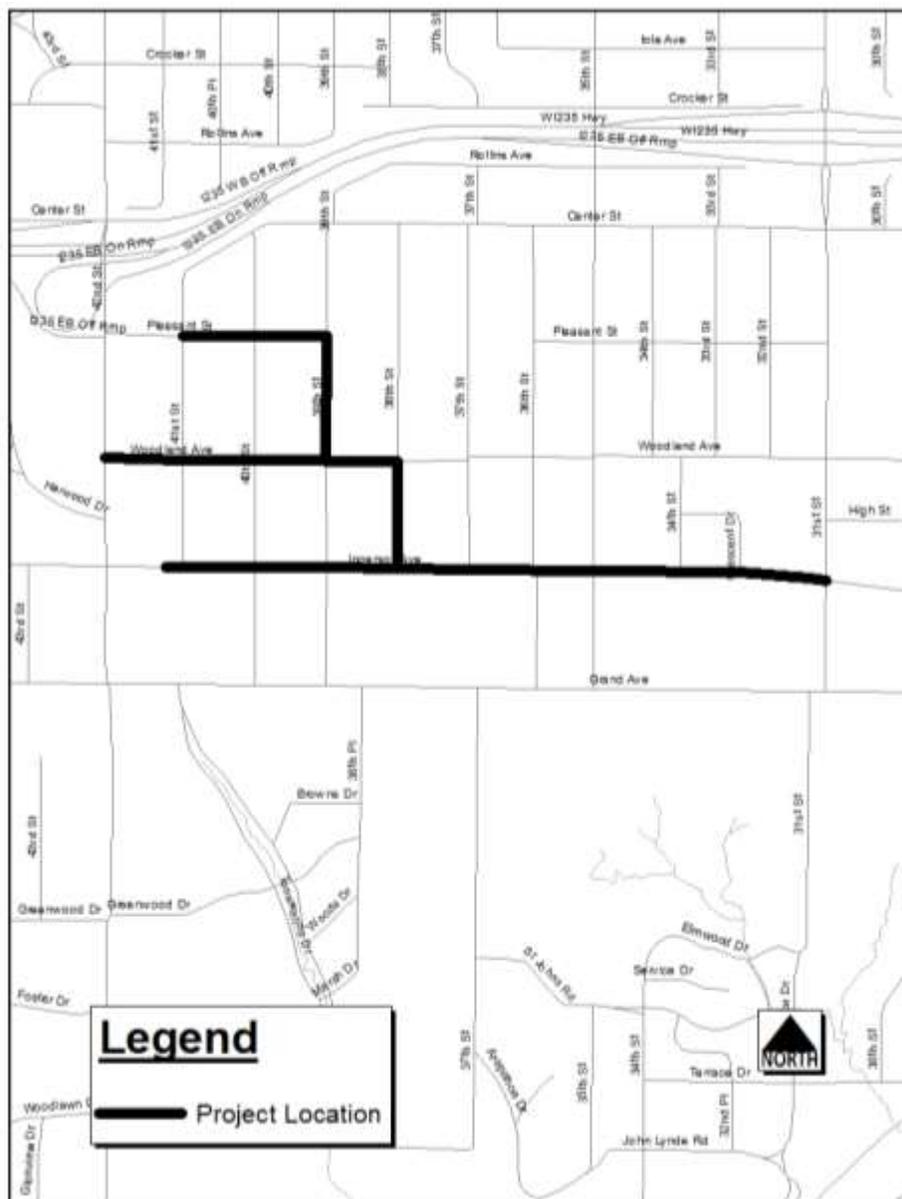


- Western Ingersoll Run Sewer Separation Phase 1 will begin the separation of sanitary and storm sewer systems in the area south of I-235 through the installation of approximately 9,000 lineal feet of storm sewer, ranging from 15-inches to 60-inches in diameter, along:
 - Ingersoll Avenue from 31st Street to 42nd Street
 - Woodland Avenue from 38th Street to 42nd Street
 - Pleasant Street from 39th Street to 41st Street
 - 38th Street from Ingersoll Avenue to Woodland Avenue
 - 38th Street from Ingersoll Avenue to Woodland Avenue

- Western Ingersoll Run Sewer Separation Phase 1 also includes:
 - Pavement rehabilitation of the streets where storm sewer is installed, including 38th Street, Woodland Avenue, and Pleasant Street.
 - Construction of pervious pavement sections in various locations within the project.
 - Restoration of the north side of Ingersoll Avenue from 35th Street to 100 feet west of 41st Street to accommodate the future streetscape and reconfiguration of westbound Ingersoll Avenue.

- A Public Meeting was held using Zoom on November 5, 2020, to present the Phase 1 improvements.

- Construction of Western Ingersoll Run Sewer Separation Phase 1 is anticipated to start late spring or early summer this year and be completed in the fall 2022.



PREVIOUS COUNCIL ACTION(S):

Date: January 25, 2021

Roll Call Number: [21-0075](#)

Action: [Approving](#) Supplemental Agreement No. 1 to the Professional Services Agreement with Foth Infrastructure & Environment LLC for additional professional services for Western Ingersoll Sewer Separation Phase I, not to exceed \$126,100. ([Council Communication No. 21-043](#)) Moved by Boesen to adopt. Motion Carried 7-0.

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.

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