


# COUNCIL COMMUNICATION

	Number:	<b>23-412</b>	Meeting:	<b>September 11, 2023</b>
	Agenda Item:	<b>5D</b>	Roll Call:	<b>23-1226</b>
	Submitted by:	<b>Benjamin R. Page, Park and Recreation Director and Steven L. Naber, P.E., City Engineer</b>		

## AGENDA HEADING:

Ordering construction of the following: Glendale Cemetery Pond Dredging Improvements - Receiving bids, (10-3-23), and Setting date of hearing, (10-23-23). (Construction Estimate - \$850,000).

## 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 will involve the dredging of a pond in Glendale Cemetery. The pond was identified in a watershed report as a site to improve stormwater management practices and improve water quality. The work includes dredging of the cemetery pond, creating a wet detention pond, and installing a water quality pretreatment device. A water control structure will be installed as well as modifying the existing outlet to improve the control of flows during small storm events. The dredging and wet detention design will provide a higher quality fish habitat, reduce temperature pollution, increase phosphorous retention, and provide for sediment retention. Sidewalk paths will be added to provide access to the pond as a site amenity to the cemetery and upland areas will be prepared to receive future permanent native plantings and landscaping to complement the stormwater management practices.

## FISCAL IMPACT:

Amount: \$850,000 City Engineer's Estimate

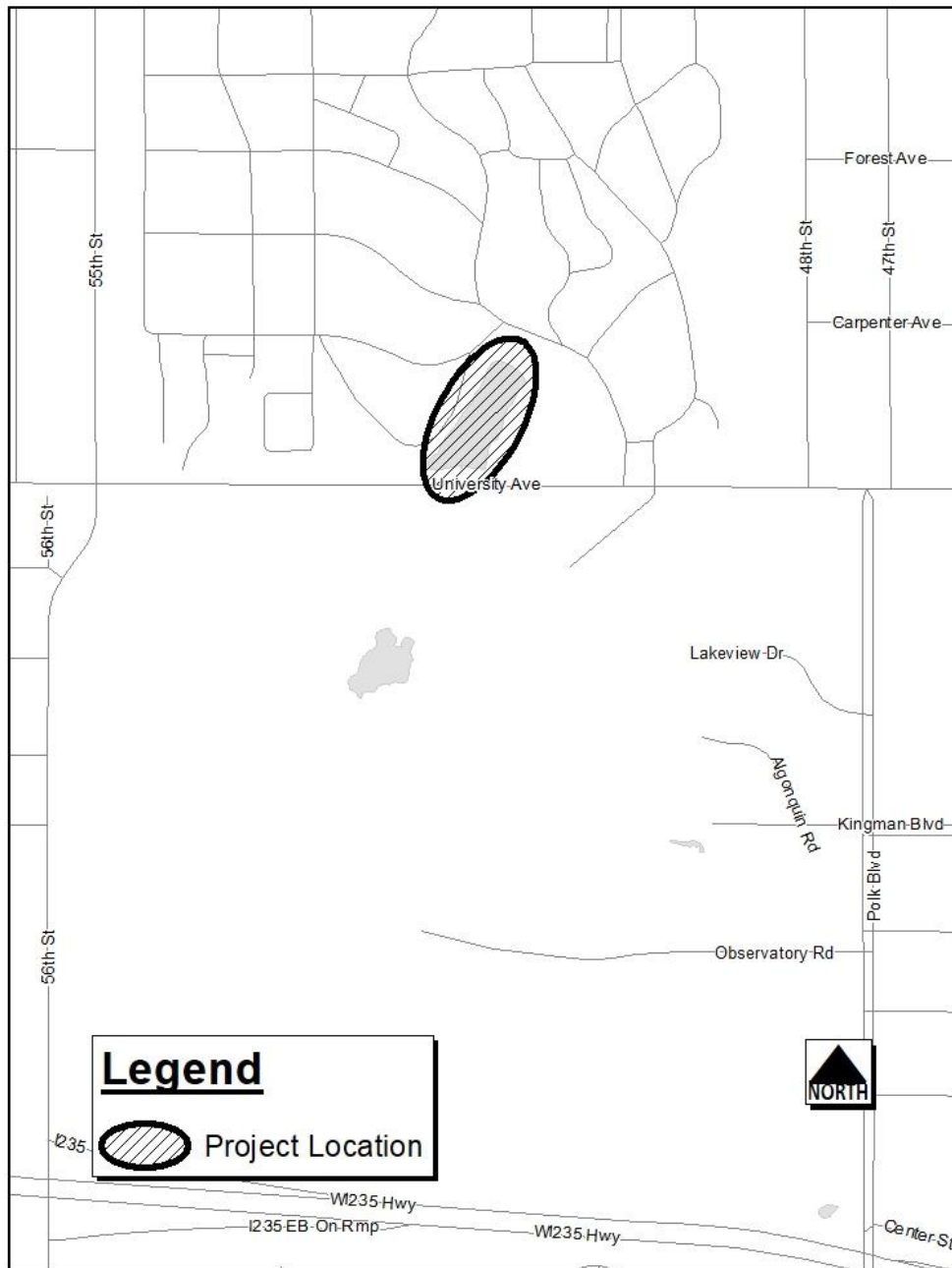
Funding Source: 2023-24 CIP, Page 80, Urban Conservation Projects, PK167, Being: \$600,000 in GO Bonds and the remaining \$250,000 in Iowa Department of Agriculture and Land Stewardship grant funds (IDALS)

## ADDITIONAL INFORMATION:

- The Engineering Department has prepared plans, specifications, form of contract documents, and City Engineer's estimate for the construction of the Glendale Cemetery Pond Dredging Improvements, Activity ID 11-2023-011. The improvement includes excavation and grading, dewatering, compacted clay pond liner, water control structure, modification to outlet structure, new water quality pretreatment unit, new Portland Cement Concrete (PCC) sidewalk, limestone outcropping, pond habitat improvement, revetment, erosion controls, temporary site seeding and mulching, traffic control, and associated work including cleanup and restoration, all in accordance

with the contract documents, including Plan File No. 655-172/193, located in Glendale Cemetery, 4909 University Avenue, Des Moines, Iowa.

- The estimated construction cost is \$850,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.
- In 2013, the Parks and Recreation and Public Works Departments partnered to plan for more ecologically-based, sustainable stormwater infrastructure in the upper watershed of Waveland Creek, a tributary of Walnut Creek. The Waveland Golf Course and Glendale Cemetery Stormwater Management Master Plan was the result of the planning efforts. These two (2) City-owned properties comprise nearly two-thirds of the upper watershed.
- This work evaluated existing site conditions and identified opportunities to improve stormwater management practices, parks and recreation benefits, golf course playability and ecological conditions within the 515-acre study area.
- The study findings detail significantly undersized stormwater capacity that are overwhelmed during ever more frequent heavy rain events. Storm water pipes have been replaced and repaired several times in the years since the study was completed in 2014, but implementation of recommendations is needed and becoming more urgent.
- In 2022, the City hired a consultant to assist with refining the 2014 schematic design of recommendations. The focus was at Glendale Cemetery, including the relationship to the downstream opportunities at Waveland Golf Course. This resulted in the recommendation to proceed with advancing efforts first at improving the functionality and water quality of Glendale Pond.
- The Parks and Recreation Department applied for the IDALS Water Quality Grant in February 2023 and was awarded \$250,000 for these improvements.
- The improvements will greatly improve the pond's stormwater control capabilities based on Iowa Stormwater Management Manual (ISWMM) guidance. User accessibility will be introduced with an accessible path leading to and along the pond perimeter. Installing shoreline stabilization measures and native plantings will support water quality, aesthetics, maintenance, operations, accessibility and align with the recommendations of the adopted Goose Management Plan to deter nuisance geese populations.
- Construction of this project is anticipated to be completed in the summer 2024.



**PREVIOUS COUNCIL ACTION(S):**

Date: June 12, 2023

Roll Call Number: [23-0843](#)

Action: Approving Water Quality Initiative Urban Conservation Demonstration Projects cost-share grant contract with IDALS in the amount of \$250,000 for the [Glendale Cemetery Wet Pond Rehabilitation Project](#). ([Council Communication No. 23-278](#)) Moved by Gatto to adopt. Second by Mandelbaum. 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.

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