

ITEM#: 22
DATE: 10-24-23
DEPT: W&PC

COUNCIL ACTION FORM

SUBJECT: CHANGE ORDER NO. 1 FOR ARCHAEOLOGICAL SERVICES FOR NORTH RIVER VALLEY WELLFIELD AND PIPELINE (NRV PROJECT)

BACKGROUND:

On April 11, 2023, the City Council awarded a contract for the construction of the North River Valley Wellfield and Pipeline (NRV) Project. This project will provide a combination of new and replacement water supply capacity by constructing three new wells and an interconnecting pipeline to the Water Treatment Plant. It will also include new fiber optic communication with the Water Treatment Plant for well controls and security measures. The three new wells will also be connected to the existing standby generator located at the Water Treatment Plant to provide emergency power to the wells.

The project is being funded through a State Revolving Fund (SRF) loan. While that program provides very competitive financing terms, it also comes with several requirements, including clearance from the State Historical Preservation Office (SHPO). For the NRV project, it was determined by SHPO during the loan's environmental review process that a portion of the project would be in potentially sensitive archaeological areas (identified by the hatched area in the attached map). This project area is rather large and spans a majority of the open excavation work for the raw water main installation.

To satisfy the requirement of SHPO, a certified archaeologist must be present on-site at all times during excavation within the hatched area. The amount of time required varies based on ground water levels, the contractor's schedule, and the construction methods to be employed. The extent and duration of the excavation work taking place in this area was not known at the time the City solicited services from certified archaeologists. Staff was hopeful that the dry weather this summer would mean that groundwater would not be significantly impactful, and originally solicited services for three weeks of on-site observation by the archaeologist. Staff retained In Situ Archaeological Consulting to perform this work and issued a purchase order in an amount not-to-exceed \$22,773.

The contractor has now installed the dewatering wells, and the impact of the groundwater levels on the contractor's planned schedule is better known. The contractor's dewatering exploration found the ground water table to be a limiting factor in the speed of excavation, as some portions of the excavation work go as deep as 12 feet and the groundwater levels will slow excavation due to safety (sloping of trench), amount of material to be removed, and working within the ground water table.

It is anticipated that instead of the original three weeks of observation, up to 26 weeks may now be required. Staff was not comfortable with entering into a Change Order that took the amount from \$22,773 to what could be well in excess of \$100,000. To keep the project moving, staff is proposing to add \$35,240 to In Situ Archaeological's current three-week contract, thereby extending the contract by an additional five weeks.

This approach gives staff time to work with the consultant and the contractor to refine the scope of work needed and issue a new Request for Proposals for the remaining archaeological work. **Therefore, Council should anticipate that staff will return in the future with a new competitively bid agreement to address the scope of work now understood to be required.**

The project budget is as follows.

<u>TOTAL PROJECT FUNDING</u>	
Water Fund	\$ 0
Drinking Water SRF Loan	12,161,000
Total Available Funding	\$ 12,161,000

<u>TOTAL PROJECT EXPENSES</u>	
Test Drilling	\$ 124,005
Engineering, Legal, Admin	
Previous	514,168
Remaining	211,104
Land	111,038
Construction	10,200,956
Geotechnical Services	14,839
Programming Services	36,225
Archaeological Monitoring (original contract)	22,773
Change Order 1 (this action)	\$35,240
Total Project Expenses	\$ 11,270,348

ALTERNATIVES:

1. Approve Change Order No. 1 with In Situ Archaeological Consulting for the North River Valley Wellfield and Pipeline Project in the amount of \$35,240.
2. Do not approve the Change Order. When the contracted number of days for an on-site archaeologist expires, construction would be required to cease.

CITY MANAGER'S RECOMMENDED ACTION:

Funding of this important water supply expansion project comes with requirements including clearance from the State Historic Preservation Office. To comply, the City is required to have a certified archaeologist on-site during excavation through areas

designated by SHPO. Once construction began, staff discovered that groundwater levels will significantly increase the length of time that an archaeologist will be required. This change order will allow the project to proceed without delay, while providing time for staff to prepare a new request for proposals for archaeological services for the remaining, larger scope. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as described above.



CHANGE ORDER NO. 1	
CONTRACT / BID NO:	
PURCHASE ORDER NO:	062080



October 17th , 2023

Project: Archaeological Services for NRV Well Field and Pipeline

Contractor Name:	In Situ Archaeological Cons LL	Change Orders Approved to Date:			
Address:	7630 Executive Dr	1		3	
City, State, & Zip Code:	Eden Prairie, MN 55344	2		4	

The contract is modified as follows upon execution of this Change Order. The changes included in this change order are made in order to carry out the original intent of the contract. The changes included in this change order are to be accomplished in accordance with the terms, stipulations, and conditions of the original contract as though included herein.

DESCRIPTION	COST
Add 5 weeks (25 days) of additional daily monitoring	\$35,240.00

Contract Price:

Original contract price:	\$22,773.00
Change orders approved to date:	0
Amount of this change order:	\$35,240.00
Adjusted contract price including this change order:	\$58,013.00

Accepted by City of Ames:

John Haila, Mayor
City of Ames

Date

Accepted for Contractor:

Signature
Abraham Ledezma
Printed name & title

10.17.2023
Date

ATTACHMENT: Areas Designated by SHPO as Requiring an On-site Archaeologist

