CITY OF HOMER
HOMER, ALASKA

City Manager
Public Works Director

RESOLUTION 23-105

A RESOLUTION OF THE CITY COUNCIL OF HOMER, ALASKA AUTHORIZING A CHANGE ORDER TO COBLE GEOPHYSICAL SERVICES, LLC IN THE AMOUNT OF $23,000 TO CONTINUE WORK ON THE BELUGA SLOUGH GREEN INFRASTRUCTURE PROJECT AND AUTHORIZING THE CITY MANAGER TO NEGOTIATE AND EXECUTE THE APPROPRIATE DOCUMENTS.

WHEREAS, Ordinance 23-16(S) appropriated funds to design and construct the Beluga Slough Green Infrastructure Project; and

WHEREAS, The goal is to develop a storm water treatment installation that filters out particulates, dissolved metals and other contaminants that storm water carries, before the water is discharged into the Slough; and

WHEREAS, Resolution 23-041 authorized issuance of Task Order 23-01 to Coble Geophysical Services, LLC., ("Coble") to design the project and work has been on-going all summer as we tested the density, porosity and chemical constituency of the existing soils to ascertain their suitability for a nature-based storm water treatment facility and researched the type of facility that would be compatible with the site's soils, ground water levels and vegetation; and

WHEREAS, We found that much of the soils at the Beluga Slough site have dried out over time, due to the City's construction of a gravel berm that extends into the Beluga Slough wetland; and

WHEREAS, Work to work around this issue has caused us to fully expend the Coble contract; and

WHEREAS, More work is needed to continue the project; and

WHEREAS, The majority of Coble's professional fees will be covered by the ACWA grant proceeds.

NOW THEREFORE BE IT RESOLVED that the Homer City Council hereby authorizes a change order in the amount of $23,000 to the Coble contract to continue work on the Beluga Slough Green Infrastructure Project.

PASSED AND ADOPTED by the Homer City Council this 9th of October, 2023.

CITY OF HOMER

KEN CASTNER, MAYOR

ATTEST:

MELISSA JACOBSEN, MMC, CITY CLERK

Fiscal note: Project Budget $260,489 (Ord 23-16(S) / Amount remaining $232,811

CC-23-233

MEMORANDUM

Resolution 23-105, A Resolution of the City Council of Homer, Alaska Authorizing a Change Order to Coble Geophysical Services, LLC in the Amount of $23,000 to Continue Work on the Beluga Slough Green Infrastructure Project and Authorizing the City Manager to Negotiate and Execute the Appropriate Documents. City Manager/Public Works Director.

Item Type: Backup Memorandum

Prepared For: City Council

Date: September 27, 2023

From: Janette Keiser, PE, Public Works Director/City Engineer

Through: Rob Dumouchel, City Manager

I. Issue: The purpose of this Memorandum is to request approval to issue a change order to Coble Geophysical Services LLC., in the amount of $20,000 for the Beluga Slough Green Infrastructure Project.

II. Background:

At its regular meeting of April 10, 2023, The City Council passed Ordinance 23-16(S) authorizing funding to support the Beluga Slough Green Infrastructure Storm Water Treatment System (Project) as follows:

a. $153,307 2023-2025 Alaska Clean Water Actions (ACWA) Grant
b. $83,388.44 HART Road Fund
c. $23,792.43 Employee wages as in-kind services
$260,487.87 Total Project Cost

The goal is to develop a storm water treatment installation that filters out particulates, dissolved metals and other contaminants that storm water carries, before the water is discharged into the Slough.

Resolution 23-041 authorized issuance of Task Order 23-01 to Coble Geophysical Services, LLC., ("Coble") to design the project, which involved the following activities:

- Task 1 – Collecting baseline data to properly characterize the site, including collecting data regarding sediment load and water volumes
- Task 2 – Researching containment structure alternatives & recommending a preferred alternative
- Task 3 – Designing the treatment facility
- Task 4 – Assisting the City with permitting

- Task 5 – Assisting the City with installation

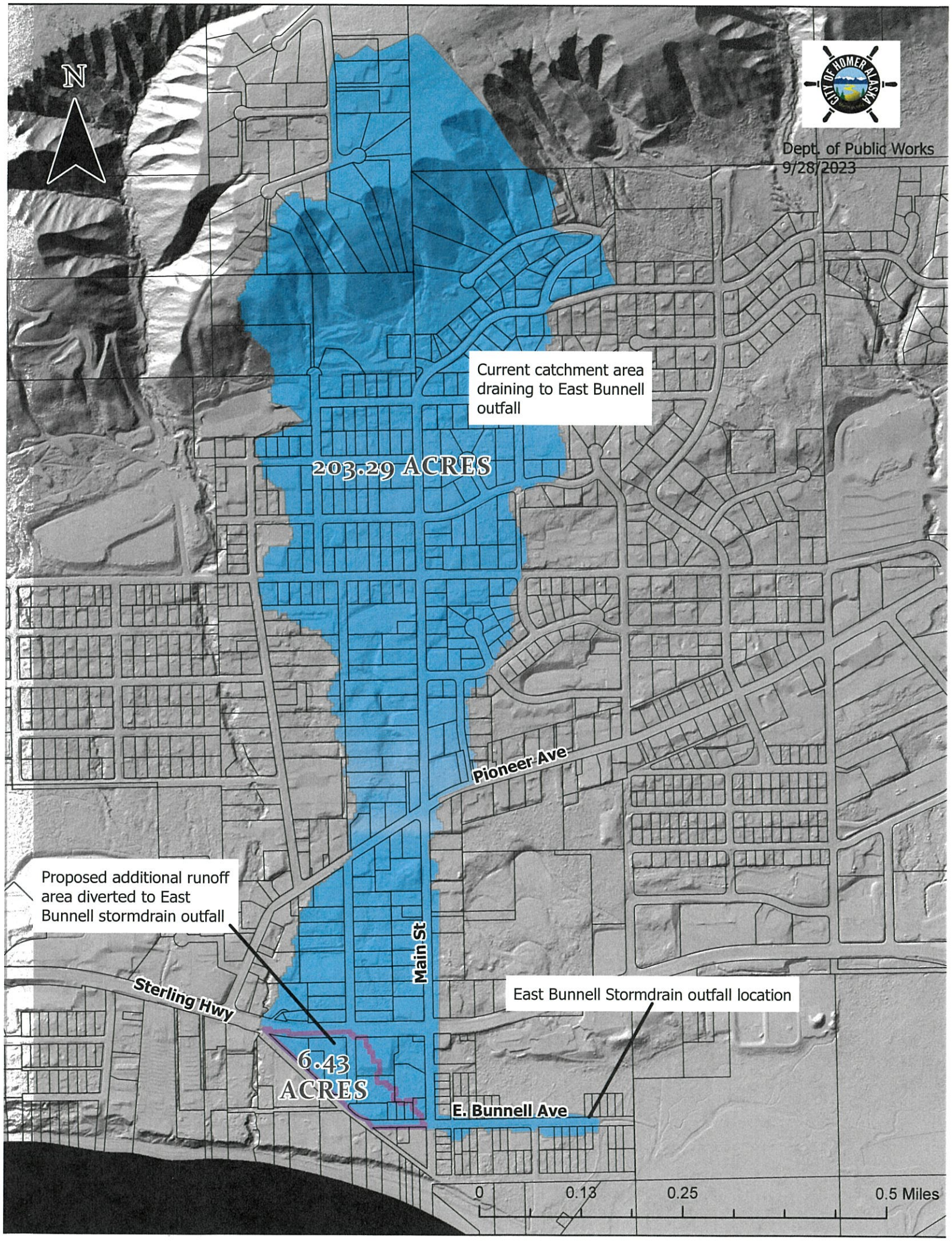
Activities related to these Tasks have been on-going all summer. We have been testing the density, porosity and chemical constituency of the existing soils to ascertain their suitability for a nature-based storm water treatment facility and researching the type of facility that would be compatible with the site's soils, ground water levels and vegetation. Sadly, we found that much of the soils at the Beluga Slough site have dried out over time, due to the City's construction of a gravel berm that extends into the Beluga Slough wetland. This means this site would not have the potential we had hoped for to serve its original purpose, so we looked for a supplemental site.

We found one on the City's undeveloped ROW, called Hansen Avenue. We started exploring that site in more detail, while continuing to deliberate on what we could do with the Beluga Slough site. We concluded that the subject watershed conveys enough storm water from the top of the bluff to the lowlands to require two treatment sites, one to act as a primary treatment site and one to act as an overflow/secondary site. This will be particularly true as we divert storm water from Ohlsen Lane to the Bunnell Avenue storm drain system, which will be done as part of the Ohlsen Lane/Bunnell Avenue storm drain project. The current vision is to have a primary treatment site at the end of Hansen Avenue and a secondary site at the end of Bunnell Avenue. Thus, we are continuing to develop the Bunnell Avenue site, while we prepare for future development of the Hansen Avenue Site by seeking funding, land owner permissions, etc. In the course of the extra work that has been involved, we have expended the capacity of the Coble contract.

In order to continue the work on the Bunnell Avenue, site, we recommend an increase of $23,000, to complete the final design and assist with installation of the component parts that will comprise the treatment facility.

The majority of Coble's professional fees will be covered by the ACWA grant proceeds.

III. RECOMMENDATIONS: That the City Council authorizes the issuance of a Change Order to Coble Geophysical Services, LLC., in the amount of $23,000 to continue work on the Beluga Slough Green Infrastructure Project.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CITY OF HOMER ALASKA
Dept. of Public Works
9/28/2023
Current catchment area draining to East Bunnell outfall
203.29 ACRES
Pioneer Ave
Main St
Proposed additional runoff area diverted to East Bunnell stormdrain outfall
Sterling Hwy
East Bunnell Stormdrain outfall location
6.43 ACRES
E. Bunnell Ave
0
0.13
0.25
0.5 Miles