



Memorandum

05-10-16

To: Steve Giesbrecht, Borough Manager

CC: Karl Hagerman, Public Works Director

From: Chris Cotta, Assistant Public Works Director

Re: Pump Station 1 and Force Main Upgrade, Phase II – Change Order No. 1

The referenced project is the second phase of upgrades related to the relocation of one of the Borough's wastewater force mains. The first phase of this project was accomplished in 2015, when the new force main was installed under S. Nordic, and related gravity sewer improvements were partially completed. This work was done by the Alaska Department of Transportation via reimbursable services agreement with the Borough. Phase II will replace some additional gravity sewer pipe, rehabilitate pump stations 1 & 2, and activate the new force main.

Phase II was awarded to CBC Construction by the Borough Assembly on March 21, 2016, in the amount of \$574,000. Work on the project commenced on April 12, beginning with gravity sewer replacement between Sing Lee Alley and Lumber Street on Nordic Drive. Per the contract, 146' of 8" sewer main was to be replaced. However, when the line was excavated it was determined that an additional 133' of 8" main would have to be replaced due to insufficient grade on the planned 146' section. The Borough was prepared for this possibility and had adequate materials onhand to go the extra distance. The project budget had also been provided with contingency funding (detailed below) in an amount appropriate to cover the additional work.

Pricing for the additional work was obtained from the contractor, and the Borough Manager was consulted about the cost change to the project. Due to the very tight timeline involved, it was decided to move forward with the work immediately in order to avoid delay, which could have had scheduling impacts to the DOT project on Nordic, as well as resulted in additional expenses to the Borough. CBC was given the go ahead to replace the additional line in order to have proper grade on the gravity sewer between Lumber Street and Sing Lee Alley.

While this work was ongoing, it was discovered that the manhole at the bottom of Lumber Street had significant groundwater leaks. CBC was directed to excavate around the manhole and apply waterproofing to stop the leaks. After the gravity sewer and manhole work were completed, it was decided to move ahead with an asphalt patch over the trench work, since heavy rains kept washing out the D1 surfacing and were causing large potholes with resulting traffic problems.

Public Works Department

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A change order for the above described additional work is attached. The total of \$66,130 can be funded using the project contingency budget of \$114,800. This will leave \$48,670 in contingency funding in case future changes to the project are needed. All project funding is being provided by ADEC in the form of a grant (which covers 70%) and a loan (which covers the remaining 30%). No grant or loan increases will be needed in order to fund this change order request, and the project budget also remains unchanged.

If you are in agreement with Change Order No. 1 as described above, please forward it to the Borough Assembly for consideration at their next regular meeting on May 16, 2016. I'll be present at the meeting to answer any questions that may arise in regards to the need for this additional work. Thank you.

Attachment: Change Order No. 1 (2 pages)