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July 23, 2024

Attention: Mr. Ed Kolacki
Project Manager, City of Temple | Department of Public Works
3210 E. Avenue H
Temple, TX 76501

Project Name: Bird Creek Interceptor Phase 4C
Project Number: WJXK5800

Subject: Bird Creek Interceptor Project – Contract #4C
Change Order No. 2

Dear Mr. Kolacki,

The Bird Creek Phase 4C project over the past several months has accrued a number of changes summarized in this letter as follows:

- The discovery of an outdoor kitchen above the existing sewer line at the Stapp property resulted in several changes to the sliplining activities and the associated manholes in this area. There was an overall reduction in sliplining length; this segment of pipe and manhole K24-00967 are now being abandoned. The slipline is now terminating at a new 4' diameter manhole at the western edge of the Stapp property, avoiding their new backyard structure.
- Replacement manholes for J24-00969 and K24-00968 were reduced from 5' diameter to 4' diameter manholes.
- Addition of a concrete cap to the buried creek crossing at Station 70+00 to protect against erosion.
- Addition of a 4" service connection to MH-A36 from the Coufal residence, as well as a repair of this 4" existing service line after the poor condition was seen in the field.
- Increasing the nozzle into MH-A46 from 6" to 10" after field investigation revealed the larger size of the incoming line.
- Addition of a 4" service connection to MH-A40 after the existing service from 3418 Rosewood Dr was discovered in the field tapping directly into the existing interceptor.



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- Addition of grouted rip rap underneath the storm outfalls in the gabion wall to protect against erosion. The vertical headwalls originally included in the bid were deemed unnecessary.
- Modification of the Daniels Dr pavement restoration from 18" of existing pavement removal to 12" of pavement removal.
- Re-laying of the 30" pipe from MH-A38 to the creek crossing at Sta 74+50. D Guerra encountered a discrepancy between the survey and field conditions of the creek. This is due to insufficient resolution of the 1-foot survey contours not indicating a low spot in the creek. At the time of survey, water was flowing through the creek, preventing an accurate capture of the low spot. Additionally, the creek has potentially eroded as survey was taken more than 10 years ago. The pipe design was lowered to achieve adequate cover underneath the creek bed and allow for a concrete encasement. Ring spacers were added to the affected manholes to account for this change in depth. This change order does not include cost of the pipe as it was reused.
- Partial deduction of MH-F1. After field verifying the wastewater connections in this area, it was determined MH-F1, approximately 30 LF of 6" pipe abandonment, and abandonment of K24-02157 would no longer be necessary. However, MH-F1 had already been fabricated and delivered.

The following events are affecting the overall construction duration of this project. Summary of change events below have added **61** additional calendar days to the schedule:

- Re-laying and deepening the 30" pipe across the creek added **21** days to the schedule. This accounts for time Jacobs spent revising the design and D Guerra spent re-excavating the pipe that was already installed up to the creek.
- The additional concrete cap for the creek crossing at Sta 70+00 added **2** days.
- The 4" service repair and stub-in to MH-A36 from the Coufal residence added **2** days.
- The 4" service rerouting and connection from 2418 Rosewood into MH-A40 added **3** days.
- The 12" grouted rip rap areas underneath the 24" storm outfalls at the gabion wall added **3** days.
- Weather delays, including tornadoes and severe storms, have added **30** days.

Attached is D Guerra Construction, LLC's Request for Design Change #2 in a cost change in the amount of **\$126,920.04** to implement the changes described herein with an addition of **61 calendar days** added to the schedule. In the attachment, a 2% bond and insurance has been added to each D Guerra item. We have reviewed the Design Change #2 items in detail. The construction delays have been reviewed and are reasonable for the work. I have also reviewed the costs changes and they represent reasonable rates currently used in the market. I recommend moving forward



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with these modifications. If you have any questions, or require any further information, please feel free to contact me at (512) 785-5825 or Rick.Villalobos@jacobs.com.

Yours sincerely

A handwritten signature in black ink, appearing to read "Ricky Villalobos". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Ricky Villalobos
Project Manager
(512) 785-5825
rick.villalobos@jacobs.com

Attachments:

- Cost changes provided by D Guerra
- Drawings backup showing proposed changes