

October 9, 2023

Shawn Cross  
Project Manager  
KCMO WSD

SENT VIA EMAIL

Re: Todd Creek WWTP – Alternative Site Evaluation  
Executive Summary DRAFT v5  
Burns & McDonnell Project No. 125460

At the direction of KC Water (KCW), Burns & McDonnell performed a concept-level evaluation of the cost and schedule impacts of relocating the planned Todd Creek WWTP (TCWWTP) to one of two potential alternative sites. The evaluation identified the following schedule and cost impacts:

**Table 1 – Potential Schedule Impacts from Alternative Site Locations**

	SW Site	SE Site
Total	26 months	21 months

**Table 2 – Potential Cost Impacts from Alternative Site Locations**

	SW Site	SE Site
Total	\$11.9M	\$14.0M

**EXISTING SITE – IMPROVEMENT COSTS**

During discussions with KC Water, various measures were discussed to further address public concerns while keeping the current project site. Burns & McDonnell was asked to develop potential costs to cover the AGS basins, and costs to significantly increase the amount of vegetative screening along Todd Creek Road.

**Cover for the AGS Basins** – Based on budget-level pricing from cover manufacturers, it is projected that covering all four AGS basins would cost at least \$10.8M. This would also raise the height of this section of the AGS basins by approximately 15 feet considering the entire top of the basins would need to be enclosed and walkable. Offensive odors are not expected to be generated from these basins, so a cover would only serve cosmetic purposes.

**Increased Vegetative Screening** – Estimated \$180,000 for 100 trees along Todd Creek Road. If screening is needed on other property borders, this cost would increase.

**EQUIPMENT COST INCREASES** - If the bid opening date is pushed beyond 2023, cost inflation at the existing site could be approximately \$2.1M.

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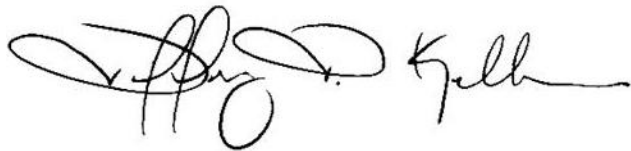
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**ASSUMPTIONS** – Several assumptions were made during the development of these cost and schedule impacts. Please see the full letter report for details.

Opinions of probable costs and schedule are based primarily on our experience and judgement as a professional consultant combined with information from past experience, vendors, and published sources. Burns & McDonnell has no control over weather, cost and availability of labor, material and equipment, labor productivity, construction procedures and methods, unavoidable delays, construction contractor's methods of determining prices, economic conditions, government regulations and laws (including the interpretation thereof), competitive bidding or market conditions and other factors affecting such opinions or projections; consequently, the final project costs and schedule will vary from the opinions of costs presented in this letter report. If KC Water wishes to further pursue either of these alternative sites, a more detailed evaluation is recommended to more fully define the cost and schedule impacts.

If more information is desired by the City, I would be happy to discuss at your earliest convenience.

Sincerely,



Jeff Keller, PE  
Project Manager

cc: Blake Anderson, KC Water  
Project File 125460  
Willie Williams, Burns & McDonnell