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June 15, 2019

VIA EMAIL: <u>Kelsey.lindquist@slcgov.com</u> Historic Landmark Commission SALT LAKE CITY CORPORATION 451 South State Street, Room 326 Salt Lake City, Utah 84111

cc: Holly Mullen, Communications and Engagement Manager (holly.mullen@slcgov.com)

Re: 4<sup>th</sup> Avenue Well – Applicable Salt Lake Ordinance Requirements – Supplemental Points and Authorities concerning Master Plan and Historical Precedents - HLC PLNHLC2018-00557 and PLNHLC2018-00558

Withdrawal of Comments related to Chlorination due to UAC R309-200-5(7).

Ms. Lindquist:

This letter supplements my comment to the Historic Land Commission of June 6 regarding how the applicant's (the DPU's) proposed 4<sup>th</sup> Avenue Pump fails to comply with Salt Lake ordinance requirements. This supplemental comment concerns additional applicable ordinances and the staff evaluations prepared for the June 6<sup>th</sup> hearing.<sup>1</sup> I am aware that the June 6<sup>th</sup> hearing has been postponed and that further negotiations may result in a revised design being submitted; however, the following authorities and points will be relevant regardless of any pump house design that is considered by this Commission.

**Effect of Salt Lake Ordinance 21A.02.040**. The Staff Special Exceptions Review makes reference to Salt Lake City Ord. 21A.52.060(A), providing that "[t]he proposed use and development will be in harmony with the general and specific purposes for which this title was enacted and for which the regulations of the district were established," and staff evaluated the relationship between the proposal and the Open Space zoning ordinance.

The effect of Salt Lake Ordinance 21A.02.040 should be included in those evaluations. The ordinance requires in part that "[a]ll master plans or general plans adopted by the planning commission and city council for the city, or for an area of the city, shall serve as an advisory

<sup>&</sup>lt;sup>1</sup> Staff Special Exception Review Standards, Attachment "J" to the Commission's June 6<sup>th</sup> hearing briefing materials (hereafter "Staff Special Exceptions Review"); Staff to the Commission's June 6th hearing briefing materials (hereafter "Staff Special Exceptions Review");, Attachment "I" to the Commission's June 6<sup>th</sup> hearing briefing materials (hereafter "Staff New Construction Review").

Proposed Fourth Avenue Well Drinking Water Chlorination Facility

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guide for land use decisions." In 1986, Salt Lake City adopted a master plan for City Creek Canyon that provided, in part, that the City would use regulations "*to ensure* that incompatible intrusions do not develop" into the historic Canyon Road residential pocket (emphasis added).<sup>2</sup> The Oxford Dictionary defines "ensure" as to "1... make certain. 2... secure (a thing for a person, etc.). 3 (usu. foll. By *against*) make safe."

This guidance suggests that the Commission should not only look at development and performance standards<sup>3</sup> of the existing proposal, but should also consider design alternatives that minimize the chemical treatment plant's footprint within the pocket. One alternative is a small pump house that only contains a transmission pump that will send water to a chemical treatment plant outside of the residential pocket.

**Historical Precedents**: Analogous public water treatment facilities have been historically located in lower City Creek Canyon include a frame water settling tank at Pleasant Valley, a brick settling building with pumps, and a value switching station. These are illustrated in an 1898 Salt Lake Tribune article.<sup>4</sup> Former DPU director Hooton's history of the City Creek water system<sup>5</sup> indicates that the brick tanks were located near the 4,598 foot elevation (Figure 1)<sup>6</sup> to the north and outside of the Memory Grove residential pocket.

**Withdrawal of Comments Related to Chlorination**: In parts of prior comments, I have suggested that there was a question concerning whether chlorination of well water is required for "high quality groundwater" under R309-505-8 (not requiring treatment) as compared to "low quality groundwater" under R309-505-7 (requiring treatment when in contact with surface waters). I withdraw those parts of prior comments. A separate Utah Office of Drinking Water regulation, R309-200-5(7), provides in part:

DISINFECTION Continuous disinfection is recommended for all water sources. It shall be required of all ground water sources which do not consistently meet standards of bacteriologic quality. Surface water sources or ground water sources under direct influence of surface water shall be disinfected and continuously monitored for disinfection residual during the course of required conventional complete treatment *for systems serving greater than 3,300 people.* . . . (emphasis added).

<sup>&</sup>lt;sup>2</sup> City Creek Master Plan adopted April, 1986 (url: http://www.slcdocs.com/Planning/MasterPlansMaps/CC.pdf ).

<sup>&</sup>lt;sup>3</sup> Salt Lake City Ord. 21A-04.010(C)(2).

<sup>&</sup>lt;sup>4</sup> Salt Lake Tribune. August 21, 1898. City's Water System. Utah Digital Newspapers (url: <u>https://newspapers.lib.utah.edu/ark:/87278/s6sj2w7t</u>).

<sup>&</sup>lt;sup>5</sup> Hooton, Jr., LeRoy, J. (1986). Salt Lake City's First Water Supply. Salt Lake City, Utah at 25, Figure 1 (url: <u>http://www.slcdocs.com/utilities/pdf files/story.pdf</u>).

<sup>&</sup>lt;sup>6</sup> 40°47'02.3"N 111°52'57.5"W (url: <u>https://goo.gl/maps/6NmiUUEtwJKsWHX59</u>).

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Please feel free to contact me with any questions that you may have by the means listed above.

Very Truly Yours

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Kurt A. Fisher Kaf

Attached: Salt Lake City Tribune Aug. 21, 1898.

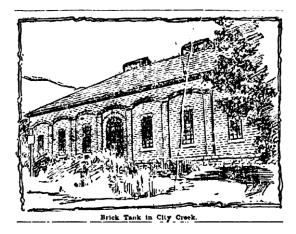


Figure 1 - Brick Tank House in City Creek Canyon from Salt Lake Tribune 1898

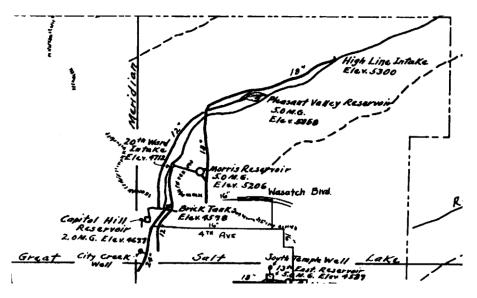


Figure 2 - - Location of Brick Tank House at Elevation 4,598 feet per Hooton (1986).

WATER SYSTEM

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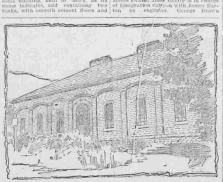
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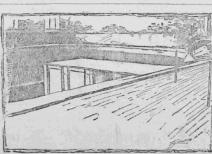
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