

RESOLUTION

RESOLUTION OF THE MCGEE CREEK AUTHORITY AUTHORIZING PROJECT WMC-037, MCGEE CREEK AUTHORITY HEADQUARTERS BUILDING AND RESIDENCE REPLACEMENT AND AUTHORIZING THE GENERAL MANAGER TO SEEK FUNDING OPPORTUNITIES.

WHEREAS, The McGee Creek Authority (MCA) Headquarters Building was constructed in 1980 and was intended to be a temporary facility to be used during the construction of the dam and lake; and

WHEREAS, the facility has experienced foundation movement over the years that has led to noticeable cracks in the floor slab, uneven floor surfaces, cracking of sheet rock on the walls and ceiling, and separation of ceiling tiles; and

WHEREAS, in 2014, Ram Jack installed 20 helical piers and six cylindrical, hydraulically advanced steel piers in an attempt to re-level and stabilize the building. In just a few months, foundation movement continued, and cracking was observed; and

WHEREAS, The Trust Engineer was asked to develop a plan for repairing the foundation. A geotechnical engineering firm, ESC, was brought in to perform a geotechnical investigation of the foundation. Original construction photos were also assessed. Cobbles and boulders in the subgrade impede proper compaction, promote future movement, and create a non-uniform bearing for the foundation, which is one of the primary causes of foundation movement; and

WHEREAS, three of five borings performed during the geotechnical investigation reached refusal at less than one-foot depth. This confirmed the suspicion that the subgrade was comprised of inhomogeneous fill material, likely the result of the cobbles or boulders not being removed prior to the construction of the building subgrade; and

WHEREAS, moisture content from soil samples indicate Potential Vertical Movements (PVM) of up to five inches. The subgrade should be improved to reduce PVM to one inch or less. It is unlikely that the Ram Jack piers were anchored below the depth moisture influence due to the cobbles and boulders. As a result, the piers were still subject to movement; and

WHEREAS, attempting to repair the foundation with additional piers will be futile as it will not address the subgrade issues and it will not be possible to secure piers in soil that is not subject to PVM; and

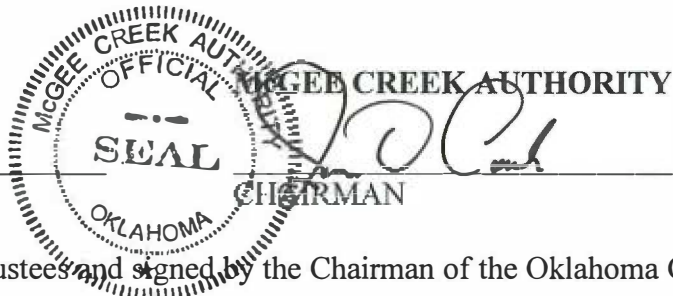
WHEREAS, Smith Roberts Baldischwiler, LLC recommends no further attempts at extensive repairs to the existing foundation and subgrade. The cost associated with these types of repairs would far out-weigh the temporary benefit. SRB recommends full replacement of this building.

NOW, THEREFORE, BE IT RESOLVED by the Trustees of the McGee Creek Authority that they do hereby authorize Project WMC-037, McGee Creek Authority Headquarters Building and residence replacement and authorizing the General Manager to seek funding opportunities.

ADOPTED by the Trustees and signed by the Chairman of the McGee Creek Authority this 11th day of **March, 2021**.

ATTEST: (SEAL)

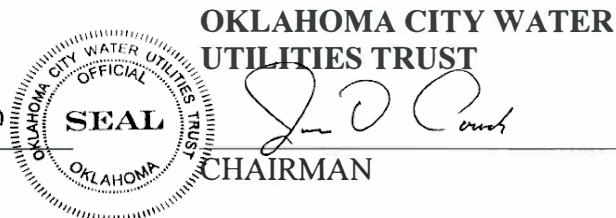
Michelle Smith
SECRETARY



CONCURRED by the Trustees and signed by the Chairman of the Oklahoma City Water Utilities Trust this 13th day of April, 2021.

ATTEST: (SEAL)

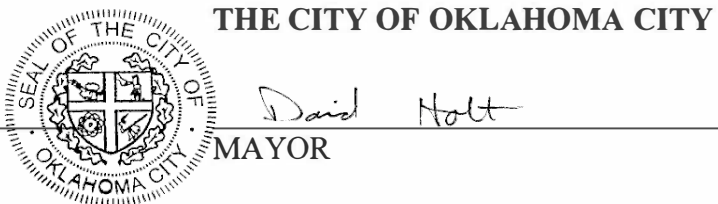
Amy K. Simpson
SECRETARY



CONCURRED by the Council and signed by the Mayor of The City of Oklahoma City this 27th day of April, 2021.

ATTEST: (SEAL)

Amy K. Simpson
CITY CLERK



REVIEWED for form and legality.

Greg Keith
GENERAL COUNSEL/
ASSISTANT MUNICIPAL COUNSELOR