

City of Independence
Wastewater Treatment Plant Design Modifications
Design Progress Report by Strand Associates
July 26, 2024

The wastewater treatment plant design modifications project has progressed to an estimated 90% design completion as of late July, 2024. Once the drawings and specifications are complete, these documents will be submitted to the Iowa DNR for review and approval. The Iowa DNR is also still reviewing components of the facilities plan for this project. The project cannot be advertised for public bidding until all DNR approvals are received. We have submitted for the appropriate Army Corp of Engineers permit as well.

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Design Amendment Summary by Strand Associates
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Strand based the scope of the August, 2022 design services agreement based upon a preliminary City needs assessment. Although this preliminary design scope has proven to be accurate, there have been additional design elements that have been added to the original scope of design services including:

- 1) Replacement of the existing screening and grit removal equipment within the existing Headworks Building. This equipment is estimated to be 20 years old and has reached the end of its useful service life.
- 2) Design of a new Storage Facility to house City vehicles and equipment currently stored outside.
- 3) Design of a new liquid Sludge Storage Tank in lieu of converting the existing egg-shaped digesters to sludge storage. The existing egg-shaped digesters are estimated to be 45 years old and a conclusion has been reached during the design process that these structures cannot be relied upon for future extended service.
- 4) Design of additional modifications to the Administration Building including renovation of the laboratory, bathrooms, and offices which are estimated to be 45 years old.
- 5) Re-issuance of new City permits to the five industrial users which currently hold discharge permits to the wastewater treatment plant.

Amendment No. 1 to the original August, 2022 design agreement includes the five scope items above.