

Athens-Clarke County Public Utilities Department
2025 Capital Improvements Element

Project
3-307

Project Name

J. G. Beacham Water Treatment
Plant Solids Handling

Project Category

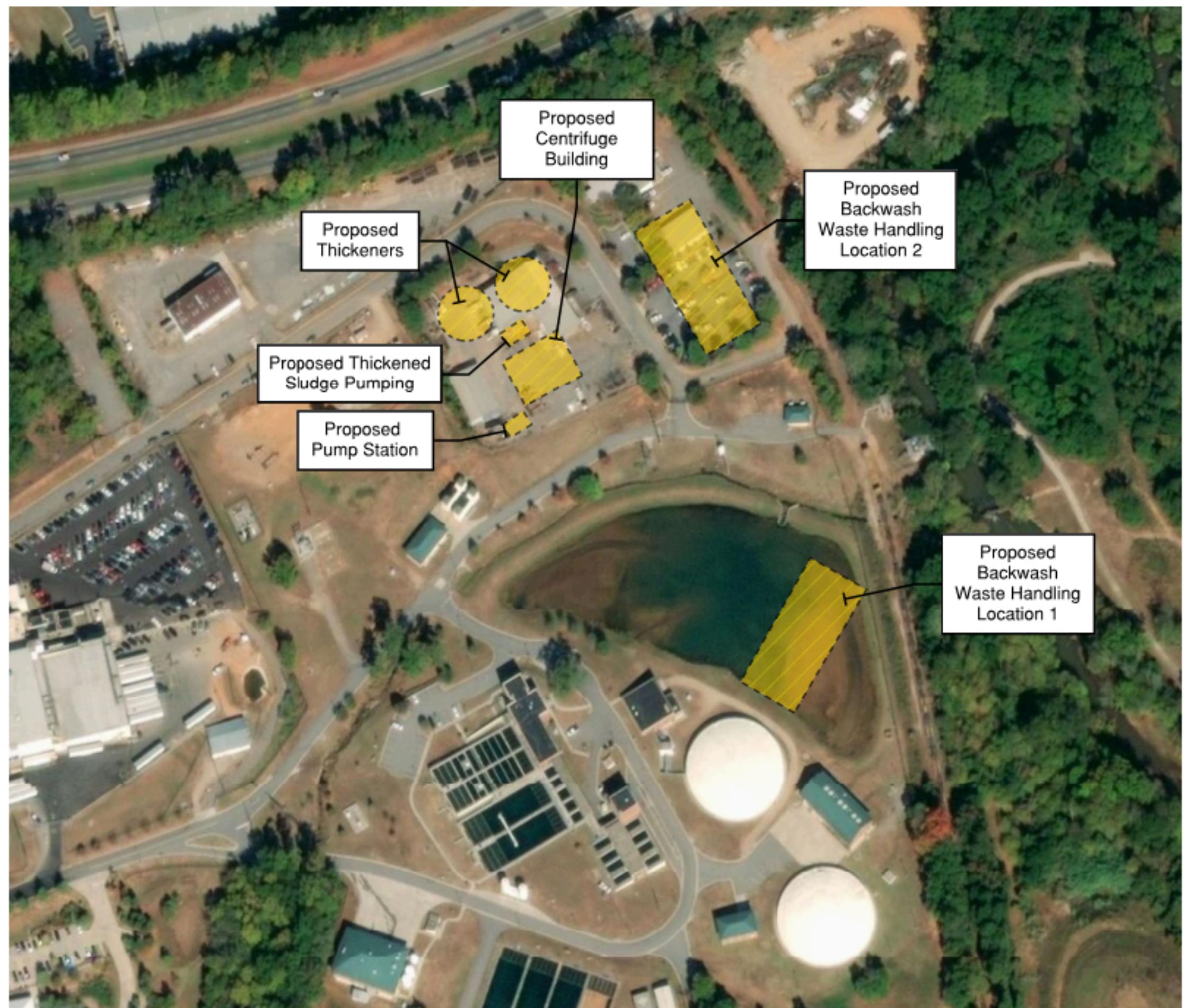
Rehabilitation and Replacement

Project Cost

\$32,800,000

Key Elements

1. Minimize solids to meet NPDES discharge permit
2. Backwash and drain water recovery and solids thickening /dewatering
3. Recover backwater water to augment water supply as needed



Project Description

Construct facilities to handle backwash and drain water recovery with the latest innovative technology. There will be a need for treating biosolids as the facility reaches capacity. The processes selected would replace the pond as a main means for solids handling.

Additional Notes

This project is specifically designed to address both the solids handling and the need for expansion. In regard to the solids handling, the PUD is exploring a similar technology successfully used at the Water Reclamation Facilities (WRF). Installing the same equipment means less stored spare parts, which will lower maintenance cost. The equipment at the WRF's has been in service since 2010 and has had minor maintenance cost. In regard to expansion, the PUD is expecting the need to expand either for regulatory requirements or to provide more water for a growing population. This project will create available space where the current solids handling pond is located. As the project develops, the design including all equipment, will be presented to the Mayor & Commission.