



LABORATORY UPGRADE AND EXPANSION

Current Facility

The KC Water Laboratory, built in 1991 and about 21,000 square feet in area, is a certified facility that performs water sampling, testing, reporting, data, and technical support services to ensure the safety and quality of drinking water provided to City residents and several nearby municipalities. Testing is necessary to comply with federal and state drinking water quality requirements and to safeguard regional streams and rivers.

- Operates seven days per week; on call 24/7 for emergencies, performing about 200,000 tests on 35,000 samples per year.
- Inefficient space limitations inhibit effective water sample storage and testing work flow and restrict the ability to accommodate new testing technology necessary to meet anticipated new federal and state regulatory requirements.
- Minimal maintenance to HVAC system, electrical systems, UPS power, gas piping, mechanical pumps, fire protection, laboratory safety fixtures and working/testing surfaces and storage cases creates critical issues with temperature control, condensation leaks and power lags, resulting in staff inefficiency and unnecessary energy costs.



Proposed Upgrades

- Expand existing structure to the southwest.
- Replace/repair roof, mechanical, electrical, plumbing, fire protection, HVAC and IT systems.
- Reconfigure workflow layout to meet the current and future laboratory requirements and technology.
- Update office areas to accommodate multiple functions (bench work, meetings, training, etc.)
- Relocate water sample delivery area; expand parking.



Project Summary

- Ensure adequate, state-of-the-art facilities to perform more than 90,000+ water tests per year necessary to ensure safe drinking water and clean streams and rivers in the region.
- Phased-in remodeling to continue testing services during renovation.
- Address current safety and efficiency issues and provide optimum needs for the next 30 years.

