

Rueter Hess Reservoir Water Treatment Facility

Parker Water and Sanitation District

Project Description

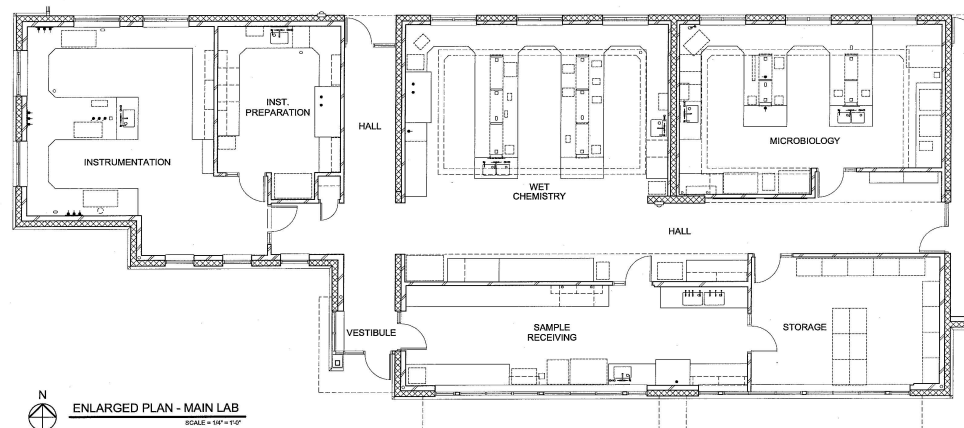
This project involves the design of a 43,850 SF treatment building that includes a 10,000 SF floor area housing the operators' lab, 4,500 SF water quality analytical laboratory, and laboratory services spaces.

Lintjer + Haywood architects worked closely with Nancy McTigue of Environmental Engineering & Technology, Inc, (EE&T) and the District to determine the required current and future compliance testing and to what extent the District would self perform or subcontract specific testing activities base on staff availability and best value for the required work. This team conducted multiple design sessions to determine equipment needs and work flow requirements. Lintjer + Haywood architects then developed space plans with equipment layouts for team discussion necessary for the final development of the design.

The analytical laboratory is located on the site to provide direct access for sample delivery/receiving at the parking area. Clearstory windows provide natural light while avoiding direct sunlight on countertops or equipment. Laboratory functions included an instrumentation room to accommodate IC/GC, TOC analyzer, and space for future equipment. The lab includes an instrument prep room, wet chemistry and micro biology labs, sample receiving, storage room, and an adjacent, but separate work cubical area. The design includes adjacent space on site to accommodate a future organic analysis lab.



Clearstory lighting is utilized in the main areas of the lab to provide natural light, screen HVAC equipment, and to provide a progressive and technical appearance.



Analytical testing spaces were located on an interior corridor to allow visual access for tours without requiring access into the testing lab.

Project Data

Construction Data: Construction Completion: December 2014
Projected Construction Costs: Building Cost: \$7,000,000