



Merrick & Company provided the design of an elevated two million gallon water storage tank, from the water system analysis to the actual design of the tank and tank site. For the water system analysis, Merrick used KY2PLUS computer software to complete extended- period simulations of the city's water system within the pressure zone where the new tank would be designed. The analysis involved the actual sizing of the tank as well as the design of the hydraulic grade that would allow the tank to be fully utilized. The remainder of the design involved structural analysis of the tank, site grading, site drainage, design of a detention pond, design of all required valving and piping for the new tank, tank foundation design, and coordination with surrounding property owners. The project also included extensive coordination efforts with the City of Thornton and the City of Westminster.

