The existing layout of the community homes participating in the water project (360 homes and 6 community centers).

Distribution design done in EPANET to optimize for daily fluctuations in demand based on average day, maximum day, and peak hour demands.

Final Design Components:
- Distribution Pipes – PVC 3” to ½” diam.
- Reservoir Sizes – 80m³ and 20m³
- Pump Selection – Franklin Electric Pumps
- Pump House Design
- Water Treatment – Sodium Hypochlorite (NaClO)
- Chlorine Solution Dosing – 3.5 L/day

The Team had the opportunity to travel to Santiago de Quito in late January to meet with their clients and the community members as well as to assist with survey work.