

Dominickus (Nick) J. Weigel III, P.E.

Education

California State University, Chico
BS Civil Engineering, 1995

Professional Licenses

Civil Engineer, California C66282
LEED Accredited Professional

Professional Affiliations

Butte County's Wastewater
Working Group

California Onsite Wastewater
Association (COWA)

Professional Advisory Board,
Department of Civil Engineering,
CSU Chico

Local Affiliations

American Society of Civil
Engineers (ASCE), Feather River
Past Branch Treasurer

Engineers Without Borders (EWB),
Sacramento Professional Member

Engineers Without Borders (EWB),
CSU, Chico Student Chapter
Professional Advisor

Mr. Weigel is an Associate Civil Engineer and partner, specializing in the design of decentralized wastewater collection, treatment and disposal systems. He is the Onsite Wastewater Department manager overseeing two additional designers. His project designs include systems ranging from single-family residential sand filters to commercial and community systems utilizing advanced and secondary treatment of wastewater; specifically, re-circulating sand/gravel filtration systems, aerobic systems, textile filters, and alternative disposal/reuse options including drip irrigation and spray irrigation. Many of these designs incorporate remote management and monitoring controls to monitor the operation and performance of these systems.

Many of these community systems are regulated through the California Regional Water Quality Control Board (RWQCB) under Waste Discharge Requirements (WDR.) In the coordination of the RWQCB for the development of the WDR, Mr. Weigel attempts to balance the environmental protection issues with the operational and financial concerns of the clients.

Nick has taught Packed Bed Filter Design at the California Wastewater Training and Research Center at California State University, Chico. And is a certified National Association of Wastewater Transporters (NAWT) instructor for the Onsite Wastewater System Inspector certification course and Operation and Maintenance certification course. He is currently teaching the NAWT Inspector Training Course and the Consortium of Institutes for Decentralized Wastewater Treatment's (CIDWT) O&M Course, throughout California for COWA.

Professional Affiliations

- Butte County's Wastewater Working Group: Nick Weigel currently chairs this group which was formed by the Butte County Department of Environmental Health to help the department rewrite their onsite wastewater system ordinance and create an Onsite Wastewater Manual for use by regulators, applicants and designers.
- California Onsite Wastewater Association (COWA): Nick Weigel is a member of the COWA Board and sits on the Education and Training Committee of this organization.
- Professional Advisory Board, Department of Civil Engineering, CSU Chico: Nick Weigel is a member of the Board which advises the CSU, Chico Civil Education Department on improving their curriculum to meet the changing needs of industry.

Past Project Designs

- Ponderosa Mobile Home Park, Town of Paradise: Included development plans and specifications for a repair to the existing wastewater collection treatment and disposal systems. This design included the collection of replacing a portion of the collection system within a creek setback and providing treatment of the 10,000gpd design flow. Treated effluent was returned to the existing community dispersal fields with varying trench condition via pressure distribution to assist in the rehabilitation of impaired trenches and a better balance of wastewater dispersal over the entire community gravity drain field.
- 5-Star Mini Storage and Retail Facility, Town of Paradise: Prepared complete site development plans, including wastewater collection, street improvement plans, storm drainage plans, and water distribution, for this project. The wastewater system design included three ATU units treating wastewater from a laundry, restaurant and retail space. Treated effluent is dispersed to alternating pressure dosed drainfields within the mini-storage complex all with remote monitoring capability. Approximate flow of 15,000gpd is expected from this project. Contact Doug Danz, Town of Paradise, 5555 Skyway, Paradise, CA 95969, 530-872-6239.
- Blue Oaks Terrace Subdivision, located on the Skyway in Butte County: Prepared complete site development plans, including wastewater collection, street improvement

plans, storm drainage plans, and water distribution, for this 40-unit project. The wastewater system design included STEP collection to a central treatment facility using textile filters dosing UV disinfected effluent to over 12,000 lineal feet of drip dispersal all with remote monitoring and operational capability. Design flows for this project are 15,000gpd. Contact Frank Nichols, developer, 16761 Clear Creek Road, Redding CA 96001, 530-241-8397, fnichols@fintechprecast.com

- Town of Paradise Downtown Revitalization District 2005, Town of Paradise: As a follow-up to the 1999 project, the scope of this work includes Wastewater Characterization and Flow Rate Analysis, Groundwater Monitoring Well Assessment, Preliminary Disposal Area Assessment, Disposal Area Identification and Testing and Treatment and Disposal Alternatives Analysis. Anticipated flows from the project are 100,000gpd. Contact: Doug Danz, Town of Paradise Onsite Sanitary Official, 530-872-6291.