

Todd G. Simmons, E.I.T.

Education

California State University, Chico
BS Civil Engineering Spring 2007

EIT

EIT, California 130097

Professional Affiliations

California Onsite Wastewater
Association (COWA)

Skill Summary

Auto CAD – Land Development
Hydraflow Hydrographs– Storm
Water Retention
HEC-RAS– Hydraulic modeling
Auto Turn – Vehicle Maneuvering

Mr. Simmons is a Junior Engineer with NorthStar Engineering. Todd has been a part of NorthStar Engineering for the last 8 years and has steadily worked his way from soils testing to project design. Todd specializes in the design of decentralized wastewater collection, treatment, and dispersal systems. He has designed systems to serve individual single-family residences, single-family development projects, mobile home parks, and restaurants.

Along with the design for new construction, Todd has been involved in designing repairs to existing failed systems for residential and commercial facilities. Past projects include systems ranging from single-family residential sand filters to commercial and community systems utilizing secondary treatment of wastewater by way of textile filters along with incorporating drip irrigation as an alternative disposal/reuse option.

Past Project Designs

- Paradise Shopping Center, Town of Paradise: Preparation of wastewater calculations and plans for the repair to the existing wastewater system serving the shopping facility. This project presented a challenging design due to being a repair and having to design around an existing wastewater system that had little documentation on file with the Town of Paradise. Contact Doug Danz, Town of Paradise, 5555 Skyway, Paradise, CA 95969, 530-872-6239.
- Rare Earth, City of Chico: Preparation of the wastewater plans and calculations required for this 12 lot subdivision. The design for this project was for a community wastewater collection, treatment, and dispersal system using S.T.E.P. collection from each of the lots to a community textile filter treatment system. From the treatment system wastewater is distributed to the pressure dosed community dispersal field. Contact Pat Conroy, developer, 1357 East 8th Street, Chico, CA 95928, 530-891-1204.
- Taco Bell, Town of Paradise: Preparation of wastewater plans and calculations required for the repair to the existing wastewater system serving the restaurant. The existing treatment system and tanks were in a state of disrepair and needed to be replaced. New tanks were sized for the restaurant and a new textile filter treatment system was designed to accommodate the current wastewater flows from the restaurant. The treatment system was designed to allow for increased future flows from the restaurant with little additional construction costs. Contact Doug Danz, Town of Paradise, 5555 Skyway, Paradise, CA 95969, 530-872-6239.
- Millstream Mobile Home Park, Los Molinos: Preparation of wastewater plans and calculations required for the repair to the existing wastewater system serving the mobile home park. The design concept was to create dispersal zones out of the one large existing dispersal field by way of solenoid valves and automatic distributing valves to allow for equal distribution of flows. Due to this project being a mobile home park it involved multiple governmental agencies including Tehama County, the Regional Water Quality Control Board, and the Department of Housing and Community Development along with an electrical contractor and electrical engineer. Continued communication between these agencies and contractors was needed to push this project through the permitting process and into the construction phase.