

Dena Hout, EIT

Education

- MS, Civil and Environmental Engineering, Colorado School of Mines
- BS, Civil Engineering, Colorado School of Mines

Registration

- CA EIT #16-257-98

Qualifications

Dena brings experience in drainage engineering, technical reviews, and CADD design, making her well-suited to serve as a reviewer for drainage and technical elements, as well as perform CADD work, for a slope stabilization project. Her expertise includes drainage modeling, hydrology analysis, storm drain system design, and hydraulic calculations using industry-standard tools like HEC-RAS, AutoCAD, Microstation, InRoads SS2, and OpenRoads Designer. Dena's ability to collaborate effectively across disciplines, coupled with her meticulous attention to detail, ensures adherence to project criteria and standards, fostering high-quality design deliverables.

Her recent work on RPV's landslide mitigation projects—developing animated HEAT maps to track land movement and stabilization measures—demonstrates her ability to apply technical tools for complex projects. Dena's diverse portfolio includes major projects like Washington Department of Transportation's I-405 Design-Build, where she managed inlet and pipe placement, and the Cleveland Innerbelt reconstruction, where she contributed to drainage and detention pond design. Her proven track record of delivering precise drainage solutions, performing peer reviews, and coordinating technical deliverables positions her as an invaluable asset to ensure project success in both design and review capacities.

Project Experience

City of Rancho Palos Verdes, Landslide and On-Call PM/CM Services, Rancho Palos Verdes, CA:
Technical Reviewer and AutoCAD designer.

Performed AutoCAD Services for Various Projects at Various Locations Nationwide: AutoCAD Drafter for plan sets for 30 industrial buildings, utilized MicroStation and OpenRoads to create storm sewer systems and profiles, utilized AutoCAD to create "lot specifics" for residential homes, and utilized AutoCAD to design floorplan model plan sets for residential homes.