

Daniel Ruiz

Civil Designer

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SUMMARY Civil designer with 6 years designing grading, drainage and utility plans in AutoCAD Civil 3D for commercial, residential and public works projects around Phoenix. Builds pipe networks, corridor models and earthwork quantities that engineers can seal with few changes. Pairs attention to detail with practical problem-solving skills when field conditions differ from the plans.

EDUCATION **Bachelor of Science** 05/2020
Northern Arizona University Flagstaff, AZ
Civil Engineering

EXPERIENCE **Civil Designer** 02/2022 - Present
Camelback Civil Partners Phoenix, AZ
Land development and municipal engineering firm with 110 employees.

- Design grading and drainage plans for commercial sites up to 40 acres, delivering **22** permitted plan sets.
- Model storm drain and sewer pipe networks in Civil 3D and size retention basins for the 100-year, 2-hour storm.
- Calculate earthwork volumes in Excel from surface comparisons, keeping cut and fill within 5% of balance.
- Produce MicroStation deliverables for ADOT right-of-way projects using state cell and level libraries.

Civil CAD Technician 06/2020 - 01/2022
Desert Mesa Engineering Tempe, AZ
Small engineering firm focused on residential subdivisions.

- Drafted lot grading, street and utility sheets in AutoCAD for 9 subdivisions totaling 1,100 lots.
- Updated plan sets for city review letters, typically turning 30 comments around in 3 days.
- Compiled quantity takeoffs and bid tables in Microsoft Office for project engineers.
- Surveyed drainage paths on 12 site visits with the field crew before final design.

SKILLS AutoCAD Civil 3D • AutoCAD • MicroStation • Grading • Drainage • Civil Design • Excel
Microsoft Office • Attention to Detail • Problem-Solving Skills

CERTIFICATES **Engineer in Training (EIT)**
Arizona Board of Technical Registration
08/2020