



Exponent[®]
Engineering & Scientific Consulting

Carlo Dela Rosa

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Professional Profile

Mr. Dela Rosa is a civil engineering professional with over 3 years of dedicated focus in engineering design work spanning across a wide array of projects. These projects range from urban infill commercial retail construction to renewable energy developments in solar, BESS, and substation design. His design expertise includes executing engineering, site layouts, permitting, and resolving constructability issues from entitlement phases to project construction.

Prior to joining Exponent, Mr. Dela Rosa spent most of his professional career at Kimley-Horn, a civil engineering design firm. Mr. Dela Rosa's technical skills include proficient use of AutoCAD Civil 3D drafting and design to produce construction drawings from proposal phase to full design completion. Technical design for these documents requires detailed knowledge of key construction components such as: underground utility infrastructure, earthwork grading, drainage system design, and offsite engineering requirements. He has served clients in the commercial retail and housing developer markets in the Greater Los Angeles area. In San Diego, his clientele service included small-scale BESS for both utility-scale and community-scale developers.

With his experience in the proposal phase for many projects, Mr. Dela Rosa has learned valuable skills with contracts sourcing and negotiation for prospective clients. Within technical design, he has gained key understanding for permitting requirements in jurisdictions across the San Diego and Los Angeles areas – particularly in code compliance for grading, drainage, and stormwater mitigation. He has worked and helped manage multi-disciplinary teams on challenging and unique projects, which include national private clients with nationwide construction initiative programs.

He has coordinated efficient teamwork with successful results and helped maintain client relationships. Mr. Dela Rosa is passionate about the sustainable energy space and is committed to driving innovation in the field of construction.

Academic Credentials & Professional Honors

B.S., Civil Engineering, University of California, Los Angeles (UCLA), 2020

Licenses and Certifications

Project Management Professional (PMP) (CA)

Prior Experience

Civil Engineering Analyst, Kimley Horn, 2020-2023

Civil Engineering Intern, Kimley Horn, 2019

Project Engineer Intern, Pankow Builders, 2018

Project Experience

AutoCAD Civil 3D:

- Executed construction drawing production for many types of projects - demolition plans, erosion control, grading and drainage plans, mass grading, horizontal control, utility layout, low-impact-development plans
- Managed technical production of entire construction drawing sets for commercial retail projects and high-rise micro unit housing developments in the Los Angeles area
- Managed technical production of entire construction drawing sets for solar and BESS projects in the San Diego county areas

Permit Expediting:

- Facilitated meetings with agency staff to represent intents and interests of various stakeholders, including the Engineer, Owner, and/or Client. Represented national client in City Council meetings.
- Coordinated meetings with Plan Checkers and Inspectors to resolve plan check comments and negotiate ownership requests.

Renewable Energy:

- Pioneered community solar development portfolio in a Southern California region to provide civil engineering services for rooftop solar and BESS parking project sites across LA County and the Inland Empire.
- Produced and managed plan sets from entitlements to construction phase in preparation for utility-scale PV solar power plants, substations/switchyards, and BESS.
- Performed both economic and electrical power analyses on solar panel site layouts across large 200+ acre land plots.

Grading and Drainage:

- Wrote stormwater reports and developed construction drawings in compliance to regulatory jurisdictional code. Work products included SWPPP, Stormwater Quality, and Hydrology Reports.
- Developed construction drawings to encapsulate earthwork quantities and cut/fill models to help assess project financial costs.
- Created and designed grading plans to abide by International Building Code and ADA development standards for both onsite and offsite construction drawings