



CAD Civil 3D DESIGN (SR LEVEL)

JOB OVERVIEW:

Erickson Consulting Engineers, Inc., is a leading civil engineering firm in the SE United States and a thriving civil and coastal engineering practice, is pleased to announce an immediate opening in our Lakewood Ranch, FL office for a Senior Designer / CAD Technician. This position is expected to be filled at the Senior-Level commensurate with experience on similar civil works projects.

This position will assist project managers and engineers with the drafting, design and plan preparation of civil design, grading, stormwater and road construction projects. ECE has a highly experienced and dynamic team of individuals.

DUTIES FOR THIS POSITION INCLUDE:

- Efficiently prepare concept plans, design, permit and construction drawings using AutoCAD Civil 3D from the ECE team.
- Plan and prepare conceptual layouts and detailed design drawings from engineering notes, sketches and/or other drawings.
- Prepare cross sections, alignments, cut-and-fill calculations, site grading plans, erosion control plans, stormwater structures, and experience with corridor modeling (preferred).
- Familiar with the use of geo-referenced aerials.
- Calculate quantities, areas, volumes of excavations and use of three dimensional surfaces following civil engineering standards.
- Development of detailed drawings in AutoCAD Civil 3D to comply with FDEP, DOT and local agency reviews.
- Coordinate with drafting department of sub-contractors.
- Prepare data/plans and demonstrate knowledge of commonly used practices and procedures in civil design.
- Apply day to day QA/QC procedures.
- Strong emphasis on CAD capabilities, experience and proficiency.
- Organize and maintain all revisions of project drawings, data and files.
- Research and obtain standards/codes by client and jurisdiction and ensure drawings comply with requirements (Senior Level).
- Perform site layouts and designs under engineer's supervision, and assist engineers with preparation of engineering packages.

THE SUCCESSFUL CANDIDATE WILL MEET THE FOLLOWING REQUIREMENTS:

- 7-10 years of civil engineering computer drafting experience with AutoCAD. Proficiency in AutoCAD Civil 3D 2020 and/or 2021 required.



- CAD proficiency in the areas of layer management and usage, x-references, paper space, cross-sections, profiles, topography, etc.
- A good working knowledge of survey information (coordinate systems, survey data and control points).
- Professional attitude, detail oriented and efficient in producing high quality work products in a dynamic consulting environment.
- Work independently as well as collaboratively in a team environment with civil and coastal engineers to produce design development and construction documents in conformance with established company standards.
- Experience and attention to detail to ensure the professional presentation
- Manage multiple tasks simultaneously while maintaining quality.

The ability to work with ArcGIS, AcroPlot, and/or Adobe Photoshop is beneficial.

The firm has excellent benefits (health/dental and 401k) and working environment with a staff of engineering professionals. Erickson Consulting Engineers is located in the Lakewood Ranch Professional Park, Sarasota, FL.

ECE's people are our most vital resource. We value skill, knowledge, enthusiasm, integrity and commitment. At ECE, you'll have the opportunity to work with a team of civil and coastal engineering professionals on southwest FL civil and coastal engineering projects. ECE works primarily with municipal governments.

Please submit resume, highlighting direct experience and salary requirements to ECEHR@ericksonconsultingengineers.com. Please include **REF-CAD**

SALARY RANGE: \$75,000 to \$85,000

BENEFITS: ECE offers generous employee benefit packages, including Health and Dental Insurance; 401(K) contributions of 6% of Salary; Holiday and PTO and Vacation (2 to 4 weeks immediately upon employment with increases at 3 & 5 years).