



BANNING ENGINEERING

Civil 3D CAD Technician / Designer

Department: Civil Engineering

Reports To: Project Manager

Location: Plainfield, Indiana

Employment Type: Full-Time

FLSA Status: Non-Exempt

POSITION SUMMARY

Banning Engineering is seeking a CAD Technician / Designer to produce civil engineering design drawings and construction documents in support of our transportation, land development, and site design projects across Indiana. Working under the direction of project engineers and managers, the Technician / Designer translates design concepts into accurate, code-compliant plan sets.

This role is well suited to a detail-oriented drafter who is proficient in AutoCAD Civil 3D and wants to grow within an employee-owned firm that invests in its people.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Prepare civil site, grading, drainage, utility, and roadway plans using AutoCAD Civil 3D.
- Develop construction documents, details, and exhibits from engineer markups and design criteria.
- Build and maintain surfaces, alignments, profiles, and corridors within Civil 3D.
- Incorporate survey data and base mapping into design drawings.
- Ensure drawings conform to client, agency, and CAD standards.
- Coordinate with project engineers and survey staff to resolve design conflicts.
- Maintain organized project files and drawing records.
- Assist with quantity takeoffs and exhibit preparation as needed.

REQUIRED QUALIFICATIONS

- Associate degree in civil engineering technology, drafting, or a related field, or equivalent experience.
- Minimum of three years of CAD drafting experience in a civil engineering or land development setting.
- Proficiency in AutoCAD Civil 3D.
- Working knowledge of civil design and drafting conventions, including grading, drainage, and utilities.
- Strong attention to detail and the ability to manage multiple project drawings concurrently.

PREFERRED QUALIFICATIONS

- Experience with INDOT or local public agency (LPA) plan production.
- Familiarity with MicroStation and/or OpenRoads Designer.
- Experience incorporating survey deliverables into design files.

ABOUT BANNING ENGINEERING

Banning Engineering is a civil engineering and land surveying firm based in Plainfield, Indiana, with an additional office in Pendleton. We are 100% employee-owned through an ESOP trust, which means the people who do the work share in the success of the firm. Our team supports transportation, land development, water and wastewater, and surveying projects across Indiana, with a culture built on collaboration, ownership, and a genuine commitment to work-life balance.

BENEFITS

- 100% employee-owned (ESOP) — company shares are held in a trust on behalf of employees as a company-funded retirement benefit
- 401(k) with company match
- Comprehensive medical, dental, and vision coverage
- Paid time off and paid holidays
- Professional development support, including licensure and continuing education
- Real work-life balance from a firm whose people will tell you it actually holds

Banning Engineering is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, age, disability, veteran status, or any other protected status.