



CAD Technician II Job Description

Summary:

Piggush Engineering is a full-service Civil Engineering firm that provides a wide range of civil infrastructure projects, construction management, and land surveying services to its clients. This includes, but not limited to, municipal engineering projects, roadway & transportation projects, site engineering & detention design, water & wastewater systems design, and land surveying record documents.

We have an exciting opportunity to hire and add to our team a talented CAD Technician.

At Piggush Engineering the computer aided design (CAD) Technician II will work directly with project engineers and land surveyors to create and complete a detailed visual representation of any given project. They will use CAD software to draft conceptual schematic designs, exhibits, surveys, permit documentation, fully constructible site engineering design plans, and/or roadway construction plans. Plans shall include site geometrics, relevant annotation & dimensioning, existing and proposed surface models, earthwork analysis, roadway corridors, profiles, cross sections and relevant construction details with appropriate industry standards and regulatory requirements applied.

To ensure success as a CAD Technician II at Piggush Engineering, you should have an extensive working experience with CAD software, a keen eye for detail, and the ability to work well as part of a team. You will be responsible for meeting with project engineers, surveyors, and the drafting team to transform the client's requests and designs into real-world civil engineering construction plans utilizing various CAD software. The CAD technician will be responsible for creating multi-dimensional dynamic models to ensure a high-quality set of construction plans based on verbal and written information. Accuracy and attention to detail are essential.

CAD Technician II Responsibilities

Meet with Engineers, surveyors, & other colleagues to review plans and design drawings.

Work with a design team and/or individually on CAD projects.

Research and utilize industry standards and codes to develop plans.

Input design specifications into the CAD software.



Create site geometrics, relevant annotation & dimensioning, existing and proposed surface models, earthwork analysis, roadway corridors, profiles, and cross sections in accordance with client specifications using CAD software.

Develop accurate layouts, assembly drawings and details.

Conduct final model rendering and delivering the final product.

Have a willingness to learn and adapt to changes in software and drafting methods in our ever-changing field

Take initiative in researching new ideas and ways of doing things and constantly work on technical and personal work skills through a talent development program.

Utilize interpersonal skills to ensure good communication with the entire team.

Minimum Qualifications:

3 to 5 years of experience using AutoCAD or MicroStation products

Associates Degree or certification in CAD Drafting

Proficiency in Microsoft Office Suite (Word, Excel, Outlook...etc.)

Strong written, oral, and graphical presentation skills

Firm grasp of geometric concepts and Mathematics

Independent problem-solver and decision maker

Be flexible and collaborative with others to problem solve

Additional Preferred Qualifications:

Experience using AutoCAD Civil 3D

Experience using Bentley MicroStation (Power GEOPAK / OpenRoads)

Knowledge in current IDOT CAD standards

Knowledge in Land Surveying Documentation

Knowledge in Civil Site Design and/or Roadway Design

Cogo Point Analysis

Surface Modeling

Feature Line Grading

Profile and Cross Section Generation

Earthwork volume Analysis

Experience in GIS systems



Company Benefits

Piggush Engineering, Inc. offers a comprehensive benefits package that includes Health & Dental Insurance, 401(k), PTO and paid Holidays.

How to Apply

If you fit these credentials, we are excited and looking forward to hearing from you!
Apply on our website PiggushEng.com