

**Electrical Engineering & Design****Geo Environmental Engineering****Resource Application**[www.egrengineering.com](http://www.egrengineering.com)

EG&R Engineering PC is a fast-growing multi-disciplinary engineering firm located in Cranbury, NJ. EG&R provides electrical, mechanical, environmental and geotechnical engineering services for a variety of markets including government, utilities/power, waste to energy companies, transit agencies, manufacturing industries, pharmaceuticals, A-E firms/Architects, and various types of commercial clients.

EG&R Engineering is seeking a CAD Drafter to serve as an integral part of a talented team. Experience in the utility and/or transit industry is preferred; AutoCAD experience required; MicroStation experience is preferred.

**Responsibilities:**

- Responsibilities include working with a team of Electrical Engineers and Designers to generate electrical drawings using AutoCAD and / or MicroStation. These drawings include physical layout drawings, schematics, and wiring diagrams
- Perform drafting services that meet the client's requirements and expectations while conforming to appropriate Codes and Standards for the associated project. Detailed designs and drawings include:
  - Power & Electrical Distribution
  - Electrical One-Line Diagrams
  - Schematics
  - Interconnection diagrams
  - Plans-Lighting, Grounding, Power, Heat Tracing, etc.
  - Conduit/Cable Schedules
  - Electrical Details
- Creating accurate CAD drawings from hand sketches, verbal instructions, or red line markups
- All other duties as assigned

**Qualifications:**

- Previous work experience as a CAD Drafter.
- Associates Degree or higher in related field.
- Substation and/or transit experience preferred.
- Individual must have experience with general arrangements, plan and sections, conduit, grounding, and lightning protection.
- Fluent in AutoCAD and/or Microstation.
- Experience with drawings containing both raster and vector elements.
- Effective communication and interpersonal skills
- Ability to work in a team environment
- The applicant must have good oral and written communication skills and the ability to be part of a project team