

Senior CAD Designer

LOCATION: Cary or Wilmington, NC

This is an in-office position with occasional opportunities for remote work. Candidates looking for fully remote work should not apply.

POSITION DESCRIPTION:

OVERVIEW: Successful candidate will serve as the in-house expert on CAD design tools, provide consistency with CAD operations and drawing deliverables, coordinate CAD related training, and mentor staff in CAD skills development.

Projects will include water, wastewater, site development, and general civil engineering projects which may include collection and distribution pipelines, pump stations, hydraulic modeling, water treatment, wastewater treatment, and environmental compliance for both public and private clients.

CORE TASKS:

1. Serve as a central point of contact for company CAD users.
2. Review HIGHFILL CAD standards and design protocols and identify ways to improve efficiency. Review those with a core group of users. Document updated standards to be implemented company-wide and provide training for those who frequently use CAD. This will culminate in several types of standards:
 - a. Standards that guide development of our delivered drawings and figures.
 - b. Standards that guide data that we rely upon that is provided by subconsultants (i.e., survey data)
 - c. Standards that guide design subconsultant drawing deliverables so that they look and feel similar to deliverables that we produce in-house (i.e., electrical, structural, architectural, etc.)
3. Training:
 - a. Evaluate capabilities and identify strengths, weaknesses, and training needs for CAD user team.
 - b. Coordinate or provide CAD training.
 - c. Advise and coordinate training needs with supervisors of CAD users.
4. Software Tools:
 - a. Track CAD-related licenses, needs, and coordinate annual software renewals.
 - b. Evaluate CAD software updates and manage company-wide update of standard software versions.

ADDITIONAL TASKS:

1. Coordination with design teams and engineers, drafting using AutoCAD Civil 3D software, mapping with ArcGIS software, assistance with completing permit applications, field work, and other aspects of civil engineering support services.
2. Coordination with clients, subconsultants, utility owners, and NC 811.
3. Perform field reconnaissance to verify survey, NC 811 locates, and SUE and gather data for project development.
4. Perform grading, drainage, and erosion control calculations, design, and drawings.
5. Perform pipeline design and drawings.
6. Prepare water storage tank, water booster pump station, wastewater lift station, treatment facility drawings, and site-civil drawings.

Interested candidates should submit a cover letter and resume. In your cover letter, please state if you require sponsorship to maintain an employment visa status.

QUALIFICATIONS:

Advanced knowledge of AutoCAD Civil 3D

15-25 years of diverse design experience

Effective communication skills required

AA in a science, engineering, or architectural technology field

ADDITIONAL QUALIFICATIONS:

- Capable of moderate lifting (generally 25 pounds or less)
- Capable of operating a motor vehicle and must have valid driver license

HIGHFILL believes in the benefit of our company reflecting the diversity of the communities we serve. We invite all qualified applicants to apply regardless of race, religion, national origin, gender, sexual orientation, body ability, or other self-identified status. If you are qualified and ready to contribute to an amazing team, you are welcome.

COMPANY CULTURE:

Who we are: You should be you! Individuality is powerful, and unique perspectives cultivate innovation. The HIGHFILL culture embraces and welcomes each employee. Free to be our authentic selves, we thrive in a team setting and connect meaningfully with the communities that we serve.

What we are: HIGHFILL is a principle-centered engineering consulting firm specializing in community and municipal water infrastructure engineering. With offices in Cary, Wilmington, Charlotte, and Winston-Salem, NC, and Columbia, SC, we provide exceptional service to our clients at fair prices.

How we do it: HIGHFILL offers a business atmosphere that supports employee professional development and advancement. We offer an attractive benefits package that is competitive with large firms, while providing the appealing work environment of a small, growing firm.

Benefits: We offer traditional employee benefits to full-time staff plus paid overtime and a spot bonus program. If needed, we provide relocation assistance for successful candidates.

Job Type: Full-time

HOW TO APPLY: Interested candidates should forward a cover letter and resume to hr@hiepc.com.