Anjali Mehta, PE

Project Engineer · Site & Land Development · PE (North Carolina)

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SUMMARY

Licensed civil engineer with 8 years in site and land development around Charlotte, covering multifamily, retail and light industrial work. Designs grading, stormwater and utilities in Civil 3D and HydroCAD, and carries projects from due diligence through construction administration.

EXPERIENCE

Project Engineer · Catawba Land Design — May 2022 – Present

Charlotte, NC

- Managed civil design for 7 to 9 concurrent commercial and multifamily sites, from due diligence through construction administration.
- Designed grading, storm drainage and utilities for a 42-acre, 310-unit apartment community in Mecklenburg County, including 2 wet ponds.
- Modeled pre- and post-development runoff in HydroCAD under Charlotte's PCSO; plans cleared city review in 2 cycles.
- Sealed 14 plan sets as engineer of record since licensure, with construction values from $1.2 million to $9.8 million.
- Answered 120+ RFIs and reviewed shop drawings for precast structures and water main fittings.
- Supervised 2 EITs and a CAD technician, redlining their sheets before each submittal.

Design Engineer (EIT) · Piedmont Civil Group — Jul 2018 – Apr 2022

Gastonia, NC

- Drafted Civil 3D surfaces, profiles and corridors for NCDOT-funded sidewalk and turn-lane projects in Gaston and Union counties.
- Sized storm sewer networks by the Rational Method in Autodesk Storm and Sanitary Analysis for 11 retail and industrial sites.
- Wrote NCDEQ erosion and sedimentation control plans for 16 sites, each approved within two submittals.
- Walked active sites weekly to log progress and check subgrade, pipe bedding and inlet elevations against plans.

EDUCATION

B.S. Civil Engineering · University of North Carolina at Charlotte — May 2018

SKILLS

Design Software: AutoCAD Civil 3D, HydroCAD, Autodesk Storm and Sanitary Analysis, HEC-RAS, ArcGIS Pro, Bluebeam Revu

Design Areas: Site grading, Stormwater management and BMPs, Storm sewer design, Water and sanitary sewer, Erosion and sediment control, Roadway and turn lanes

Codes & Review: Charlotte PCSO, NCDEQ erosion control rules, NCDOT standards, Mecklenburg County Land Development Standards

CERTIFICATIONS

Professional Engineer (PE), North Carolina, 2023 (NCEES PE Civil exam) · OSHA 10-Hour Construction