Bryan C. Metzler, PE

Director of Engineering Services

Mr. Metzler has more than 20 years of experience in Civil Engineering encompassing all aspects of engineering design from conceptual planning through construction administration for infrastructure projects. His project experience includes roadway design, storm water management systems, green infrastructure, public utility design, private residential and commercial development, public educational and recreational facilities, neighborhood redevelopment, and energy infrastructure design.

Education

- West Virginia University, B.S., Civil Engineering, 1998

Registrations

- Professional Engineer:
  Pennsylvania, 081295
  North Carolina 028314
  South Carolina, 24104
  Georgia, 037387
  Oklahoma, 27021
- ISI Envision Sustainability Professional
- American Society of Civil Engineers, Past President, Southern Branch
- American Council of Engineering Companies, Environment & Energy Committee

Special Skills

- Project Management
- Problem Solving
- Value Engineering
- Green Infrastructure

Work Experience

- 2015 - Present
  T3 Global Strategies, Inc.
- 2002-2015
  Merrick & Company (including Turnbull Metzler Design)
- Other firms = 4 years

Specific Project Experience

Sharon Amity Elementary (Charlotte-Mecklenburg Schools)

Project Manager and Lead Engineer for a proposed elementary school and pre-kindergarten facility. The project consisted for complete construction document and specifications for the campus. Mr. Metzler developed a comprehensive storm water management plan for the site that consisted of several green infrastructure techniques including bio-retention, wet ponds, and a storm water wetland.

Finchley-Purser / Shamrock Hills Neighborhood Improvement Project

Project Engineer responsible for planning and design services including conducting and documenting public workshop meetings, neighborhood infrastructure analysis, develop multiple schematic design alternatives, preliminary cost estimates. The project consisted for the evaluation of existing storm drainage infrastructure of the neighbor to identify existing drainage issues and developing creative retrofit solutions to alleviate the identified issues.

McLean at Lake Wylie

Project Manager and Lead Engineer in charge of developing a low-impact development strategy for providing storm water treatment for a 640 acre master-planned community. The project involved several green infrastructure techniques including vegetated conveyance measures, infiltration devices, and structural BMPs.

City Park Apartments

Project Manager and Lead Engineer responsible for designing an urban-infill apartment development that was required to provide treatment of the projects storm water runoff. Mr. Metzler implemented proprietary treatment devices to achieve an 85% suspend solids removal rate for the proposed development. The project successfully overcame the challenge of limited space and was able to meet the water quality goals.