

George Barnes Bloom Jr., E.I.

Barnes Bloom has been licensed as an Engineer Intern by the Arkansas State Board of Licensure for Professional Engineers and Professional Surveyors since May of 2013. He began his engineering career with Littlejohn, Inc. in Nashville, TN, before joining Crist Engineers in June of 2015. He has experience with commercial/residential site and municipal development, including master planning, storm water system design and modeling, utility design, construction plan production, permitting, and government agency coordination.

Currently, Mr. Bloom is assisting with the management of a 12-mile water transmission line expansion and booster pump station improvement project for Benton/Washington Regional Public Water Authority in Benton and Washington Counties. His duties include preliminary engineering, water transmission line and pump design, easement acquisition, construction plans production, agency coordination, permitting, and construction administration.

Professional Accomplishments

Grading and storm water system design and reports, permitting/agency coordination, and construction administration for the following projects:

- Aertson Midtown Mixed-Use Development, Nashville, TN
- Vanderbilt University Power House Natural Gas Conversion, Nashville, TN
- The Summit at Nashville West, Nashville, TN
- Nashville West Retail Center, Nashville, TN
- Lone Peak Specialty Centre, MOB II, Draper, UT
- The Church at Station Hill, Spring Hill, TN
- Standard Candy Manufacturing, Nashville, TN
- Hospital Corporation of America Office Building and Parking, Nashville, TN
- Charlotte Heights Church of Christ, Nashville, TN
- Tennessee State University Crop Science Building, Nashville, TN
- MTSU Science Building, Murfreesboro, TN

Professional Experience and Career Achievements

- Utility design: water transmission, domestic, and fire lines; gravity sanitary sewer lines; underground electric; gas lines
- Storm water design: temporary and permanent BMP design, SWPPP, and Technical Drainage Reports
- Planning: Engineering due diligence, property site assessments, engineering cost estimates, preliminary layout exhibits, capital investment plans, ADA grant applications
- Project design: AutoCAD Civil 3D 2016, Bentley Water Modeling, ArcGIS ArcMap
- Permitting/Agency Coordination: USACE Section 404, ADEQ STAA, TN/UT/AL/AR Construction General Permit, US Forest Service Special Use Permit, County Flood Plain Permit, ADHT General Utility Permit, PUD and SP submittals with Metro Nashville, parcel rezoning, grading and building permits, Building storm water variances, Use & Occupancy Permits
- Geotechnical: Auger & Core Drilling; SPT (Split-Spoon) sampling; Aggregates, Soils, ACI Concrete, and Asphalt; Quality Control testing; Nuclear Density Testing
- Surveying: Topcon Global Positioning Systems; Field Layout.

Education

Bachelor of Science in Civil Engineering, University of Arkansas, Fayetteville, May 2013.