

BRANDON WOOD, P.E., P.S.

**ENGINEERING
AND SURVEYING**

**STATEMENT
OF
QUALIFICATIONS**

**112 CR 7625
BROOKLAND, AR 72417
870-930-7504
bwood@woodengr.com**

INTRODUCTION:

A professional engineering & surveying consultant providing a diverse scope of civil & environmental engineering services and surveying services with a mission of providing clients with respect and experienced service to accommodate their specific needs. Providing municipal, commercial, and private entities with engineering design and construction assistance to meet their needs with an economical solution. Using the latest technology, software, and engineering methods and providing the professionalism and expertise that the client deserves. Utilizing the latest equipment and software to create 3D modeling for client review for preliminary planning and also for construction equipment to maximize efficiency. A contractual team with larger professional consultant firms can be formulated for larger projects and/or specific expertise services when the need requires.

Project capabilities include but are not limited to the following list.

AREAS OF EXPERTISE / SERVICES:

- Subdivision Design & Development
- Flood Control and Drainage Evaluation
- Storm Water Collection System Design
- Sanitary Sewer Collection System Design
- Water Distribution System Design
- Commercial Site Development Design
- Construction Layout & Inspection
- GPS Site Preparation
- GPS Site Data Modeling (adaptation for GPS layout & machine control)
- CAD Drafting Services
- GIS System Development
- GIS Data Acquisition & Map Production
- Storm Water Pollution Prevention Plans (SWPPPs)
- Transportation System Design
- Construction Cost Estimating
- Earthwork Volume Estimating and Site Material Quantity Estimating
- Flood Elevation Certificates
- Environmental Permitting
- Environmental Compliance Inspections
- Bid Documents & Technical Specifications Preparation
- 3D Modeling of Pipeline (Natural Gas, Sewer, Water, etc.)
- Boundary Surveys
- ALTA / ASCM Land Title Surveys
- Topographic Surveys
- Zoning Plats
- Minor Plats & Replats
- Annexation Plats
- Construction & As-built Surveys
- Easement Surveys
- Control Surveys
- Section Corner Recovery

Brandon Wood, P.E., P.S., CPESC, GISP

- LICENSURE:**
- 2016, Arkansas Professional Surveyor, No. 1817
 - 2014, Mississippi Professional Engineer, No. 25994
 - 2014, Oklahoma Professional Engineer, No. 27521
 - 2011, Missouri Professional Engineer, No. PE-2011015573
 - 2010, Arkansas Surveyor Intern, No. 636
 - 2009, Arkansas Registered Professional Civil Engineer, No. 13854
 - 2005, Arkansas Engineer Intern, No. 6806
- CERTIFICATIONS:**
- 2014, GIS Certification Institute, Certified Geographic Information Systems Professional (GISP), No. 83190
 - 2014, EnviroCert Intl., Certified Professional in Erosion & Sediment Control (CPESC) Certificate No. 7848
 - 2013, Stormwater ONE (Stormwater USA), Qualified Preparer of Stormwater Pollution Prevention Plans (QSWPPP) and Qualified Compliance Inspector of Stormwater (QCIS), Certificate No. 1566854
 - 2011, Stormwater USA, Certified Preparer of SWPPP (CPSWPPP) and Certified Compliance Inspector (CCIS), Certificate No. 3270
- EDUCATION:**
- 2009, Certificate, ATC-20 Post Earthquake Safety Evaluations of Buildings
 - 2009, Certificate, FEMA 154: Rapid Visual Screening of Buildings for Potential Seismic Hazards
 - 2004, Bachelor of Science in Engineering (Civil Emphasis) Arkansas State University, Jonesboro, Arkansas
- AFFILIATIONS:**
- American Society of Civil Engineers – Associate Member
 - Arkansas Floodplain Management Association – Associate Member
 - North American Cartographic Information Society – Member
 - Memphis Area Geographic Information Council – Member
 - Arkansas Society of Professional Surveyors - Member
- EXPERIENCE:**
- Sole Proprietor; Brandon Wood, P.E. Civil & Environmental Engineering (2009 to Present)
Providing civil & environmental consulting services and surveying services.
 - Project Engineer; for Carlos Wood, P.E. (2000 to 2009)
Design and plan preparation for subdivisions and site developments.
Operating construction layout equipment and GPS equipment.
Digital data preparation for use with GPS and machine control.
Construction layout & inspection for subdivisions, site developments, etc.
 - Engineer's Aide; for Carlos Wood, P.E. (1995 to 2000)
Assisted in construction layout operating land surveying equipment.
Assisted in plan preparation for subdivisions and site developments.

PRIMARY SOFTWARE:

- Site Development
 - Autodesk Civil 3D
 - Haestad WaterCAD & SewerCAD
 - Autodesk Storm & Sanitary Analysis (SSA)

- Hydrology / Hydraulics & Drainage
 - Haestad StormCAD
 - Hydraflow
 - HEC-HMS, HEC-RAS, WIN-TR55
 - StormNet (SWMM)

- 3D Surface Models
 - Autodesk Civil 3D
 - Trimble Business Center - Heavy Construction Edition
 - Topcon 3D Office
 - Trimble Terramodel

- GIS Models
 - Autodesk Map 3D
 - QGIS
 - ESRI ArcGIS Desktop
 - Forestry GIS

- Field Software – Data Collection & Construction Layout
 - Trimble SCS900
 - Trimble Survey Controller
 - Carlson SurvCE
 - Topcon Pocket 3D

PRIMARY EQUIPMENT:

- GPS System
 - Real-Time Kinematic & Static Capability
 - L1, L2, & L2C, L5 & GLONASS capable (GNSS System)
- Total Station
- Levels (Automatic & Laser)

Residential Design & Commercial Design

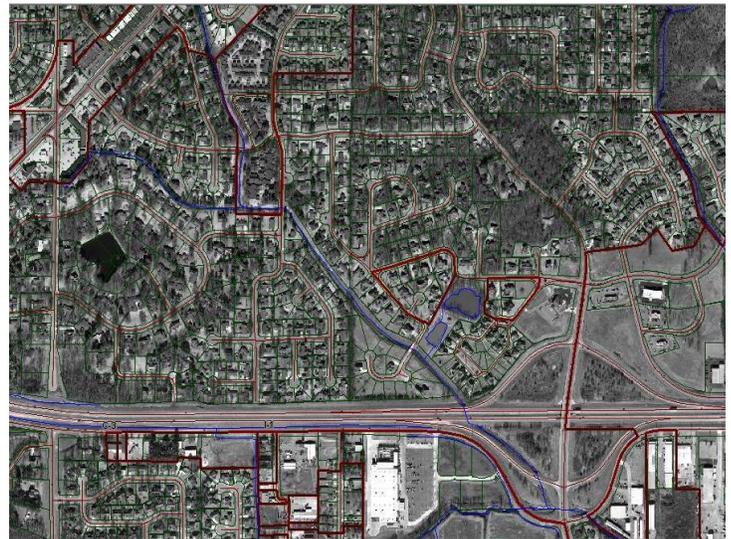
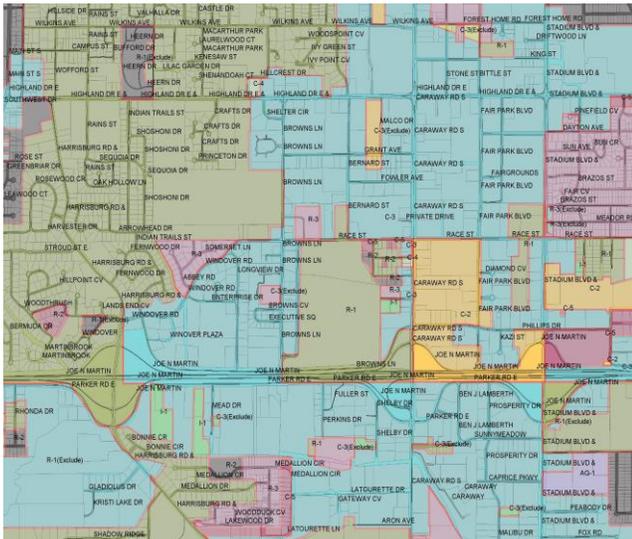
The following is a non-comprehensive list of projects:

- Jonesboro Karting Complex (Jonesboro)
- Rankin Spring Valley Subdivision (Jonesboro)
- NEA Industrial Coatings – Water line design (Bono)
- Jude’s Crossing (80+ lots) - Jonesboro



GIS (Geographic Information Systems) Services

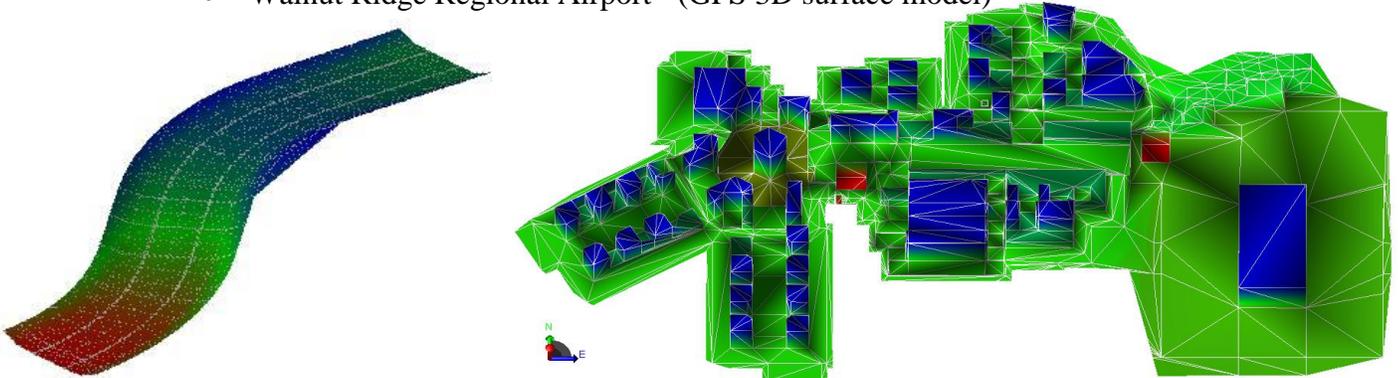
- County wide map compiled from various data sources
 - Aerial Photography
 - Parcel & Zoning Information
 - City Boundaries
 - Roadway & Railroad Systems
 - Floodplain Delineation
 - Water & Sewer Infrastructure
 - Drainage Infrastructure
 - School District Boundaries



3D Model Data Preparation for Machine Control

The following is a non-comprehensive list of projects:

- ASU Residence Hall Dormitory (Jonesboro) (GPS 3D surface model)
- Cabot Sports Complex – (50 acres) (GPS 3D surface model)
- Colt Delta Regional Airport Phase 1 & 2 – (GPS 3D surface model)
- CW&L Lost Creek Drainage Improvement (1 mile) (GPS 3D surface model)
- Highway 18 (6 miles) (Jonesboro-Lake City) (GPS model)
- Highway 62 & 67 (3 miles) (Pocahontas, AR) (GPS 3D surface model)
- Lawson Road Extension (2 miles) (Jonesboro) (GPS model)
- Liberty Bank (Siloam Springs, AR)–(GPS 3D surface model)
- Marion Junior High School (Marion, AR) (GPS 3D surface model)
- McDonalds (Wynne) - (GPS 3D surface model)
- MeadowWood Subdivision (73 Lots) (Jonesboro) (GPS 3D surface model)
- Stadium View Apartments (Jonesboro) (GPS 3D surface model)
- Trumann High School - (GPS 3D model)
- Walnut Ridge Regional Airport - (GPS 3D surface model)



CAD Services & Construction Layout

- 3D Modeling of natural gas pipeline asbuilts (Arkansas)
- Multiple projects performed construction layout – highways, commercial & residential sites
- Site calibration & setup for GPS machine control

