



CARLOS WOOD, P.E.
ENGINEERING CONSULTANT

STATEMENT OF QUALIFICATIONS

PMB 261
2704-L S. CULBERHOUSE
JONESBORO, AR 72401
870-972-8335
woodengr@sbcglobal.net
www.woodengr.com

INTRODUCTION:

A professional engineering consultant providing a diverse scope of civil engineering 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 the most economical solution. This is accomplished using the latest technology, software, and engineering methods offering the level of 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
- Project Management & Inspection
- GPS Field Data Collection & Site Preparation
- Site Data Modeling (adaptation for GPS layout & machine control)
- Structure Foundation Design
- Retaining Wall Design
- Transportation System Design
- GIS System Development
- GIS Data Acquisition & Map Production
- Construction Cost Estimating
- Earthwork Volume Estimating and Take-offs

Carlos Wood, P.E.

CERTIFICATION: 1983, Arkansas Registered Professional Civil Engineer, No. 5620
1985, Certificate, Nuclear Density Technician

EDUCATION: 2009, Certificate, ATC-20 Post Earthquake Safety Evaluations of Buildings
2009, Certificate, FEMA 154: Rapid Visual Screening of Buildings
for Potential Seismic Hazards
2007, Certificate, Floodplain Management
2003, Certificate, Material Science Faculty Workshop
2001, Certificate, Floodplain Management
2000, Certificate, Seismic Effects of Designs
2000, Certificate, Water Distribution System Analysis
1999, Certificate, Concrete Structure Design
1988, Certificate, Water Distribution Modeler
1979, Certificate, Highway Traffic Design
1977, Bachelor of Science, Engineering
Arkansas State University, Jonesboro, Arkansas
1974, Certificate, Materials and Testing Training

EXPERIENCE: Instructor; Arkansas State University Engineering Department
(2000 to 2006)
Courses: Water & Waste Systems, Environmental, Soils, Surveying,
Civil Engineering Drafting, Hydrology, Transportation,
Civil Engineering Materials & Testing, & Fluid Mechanics

Sole Proprietor; Civil engineering consultant in Northeast Arkansas
(1983 to Present)

Construction Project Engineer; McGoodwin, Williams, & Yates Inc.
Jonesboro, Batesville, Fayetteville, Arkansas – (1993 to 1997)
Inspection of 24” sewer main for CWL project in Jonesboro,
Inspection of 18” water main for City of Batesville project,
Design & plan preparation for a 400 acre development in Fayetteville.

Street Superintendent; City of Jonesboro (1981 to 1983)
Supervised daily operations of the Street Department & Engineering
Department, inspected construction of new subdivision being developed
inside city limits, designed & supervised the design of city street projects,
and assisted Director of Public Works in reviewing plans for the
Metropolitan Area Planning Commission to insure compliance of the
city ordinances.

Project Engineer; City of Jonesboro (1977 to 1981)
Supervised the Engineering Department, designed plans and prepared
specifications for the HUD Housing Authority CDBG projects for the City
of Jonesboro. Designed drainage and reconstruction projects and reviewed
plans for approval by the Metropolitan Area Planning Commission.

Engineer's Aid; Arkansas Highway & Transportation Dept.
Jonesboro, Arkansas – (1970 to 1977)
Performed quality control inspection, worked with survey crew,
and assisted in preparing final estimates in the Resident Engineer's
Construction Field Office in Jonesboro.

AFFILIATIONS:

American Concrete Institute – member
Arkansas Ground Water Association – member
Arkansas Floodplain Management Association – Associate Member
American Standard Testing & Materials Association – member
American Society of Civil Engineers

PROJECTS:

The following is a non-comprehensive list.

- CW&L Gas Fired Generator Plant, Jonesboro
(Foundation Design & Site Plan Design)
- CW&L Lost Creek Drainage Improvement (Design & Layout)
- CW&L 24" Sewer Collection Line (Inspection)
- CW&L Operations Facility (Site Design)
- Walnut Ridge Regional Airport Runway Extension (Construction layout)
- Poinsett County Solid Waste Landfill (Design & Closure Plans, Class 1&4)
- Highway & Street Improvements for State & Municipal entities
 - Hwy 141 – Jonesboro: Johnson Ave to Philadelphia Rd
(Construction Layout)
 - Hwy 49 – Jonesboro: Parker Rd to Maple Valley Dr
(Construction Layout)
 - Hwy 18 – Jonesboro: Lake City: Barnhill Rd to St. Francis Bridge
(Construction Layout)
 - Fox Meadow Improvement – Jonesboro (Design & Layout)
 - Matthews Ave Improvement – Jonesboro (Construction Layout)
 - Washington Ave Improvement – Jonesboro (Construction Layout)
 - Hwy 62 & 67 – Pocahontas, AR: Park St. to Hwy 90
(Construction Layout)
- Subdivisions
 - Barrington Park Phases I & II (60 Lots Design & Layout)
 - Bridger Place I & II (98 Lots Design & Layout)
 - Bridlewood Phase I (50 Lots Design & Layout)
 - Colony Park Addition (113 Lots Design)
 - Dunwoody – Huntcliff Estates (104 Lots Design & Layout)
 - Griffin Park Phases I - V (145 Lots Design & Layout)
 - Jamestown Manor (33 Lots Design & Layout)
 - Kensington Estates (90 Lots Design & Layout)
 - Maple Valley Estates (61 Lots Design & Layout)
 - MeadowWood Sub'd (73 Lots Design & Layout)
 - Paddock Sub'd (107 Lots Design & Layout)
 - Prairie Meadows (92 Lots Design & Layout)
 - Ridge Run (80 Lots Design & Layout)
 - Stoneridge Estates (60 Lots Design & Layout)

- Windsor Landing Phases I – III (205 Lots Design & Layout)
- Woodland Heights (220 Lots Design & Layout)
- Commercial Site Developments (Design & Construction Layout)
 - Brown's Shopping Plaza (Site Design & Layout)
 - Copeland Richardson Road Apartment Complex (Site Design)
 - East Highland Park Center (Site Design & Layout)
 - Harmony Gardens (Site Design & Layout)
 - Heavenly Ham (Site Design & Layout)
 - Meadows Construction Office (Site Design & Construction Layout)
 - Olympus Construction Office (Design)
 - Stone Street Office Complex (Site Design & Foundation Design)
 - Valley View Church of Christ (Site Design)
 - Trumann High School (Layout)
 - Marion Jr. High School (Layout)
 - Arkansas State University – (Construction Layout for SubContractor)
 - North Quad Apartments (Residence Hall & Student Apartments)
 - Family Housing Phase 2
 - Honors Hall Residence
 - Cooper Alumni Center

PRIMARY SOFTWARE:

- Site Development
 - Autodesk Civil 3D
 - Haestad WaterCAD & SewerCAD
- Hydrology / Hydraulics & Drainage
 - Haestad StormCAD
 - Hydraflow
 - HEC-HMS, HEC-RAS, WIN-TR55
- GPS Data Modeling
 - Autodesk Civil 3D
 - Trimble Business Center – Heavy Construction Edition
 - Topcon 3D Office
- GIS Development
 - Autodesk Map 3D
 - Delorme X-Map Professional
 - ESRI ArcGIS Desktop
 - Forestry GIS

PRIMARY EQUIPMENT:

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

ASSOCIATED

TEAM

PERSONNEL

Mark Morris, P.E.

CERTIFICATION: 2008, Arkansas Registered Professional Civil Engineer, No. 13212
2005, Arkansas Residential Contractors License
2003, Arkansas Engineer Intern, No. 6537
2002, Certificate, American Concrete Institute Technician

EDUCATION: 2009, Masters of Engineering Management,
Arkansas State University, Jonesboro, Arkansas
2005, Masters of Business Administration,
Arkansas State University, Jonesboro, Arkansas
2003, Bachelor of Science in Engineering (Civil Emphasis)
Arkansas State University, Jonesboro, Arkansas

EXPERIENCE: Sole Proprietor; MBM Enterprises (2005 to Present)
Commercial & residential construction.
Construction layout for developers and contractors.
CAD drafting services.

Project Engineer; for Carlos Wood, P.E.
(October 2002 to 2005), Jonesboro, Arkansas
Design and plan preparation for subdivisions and site developments.
Construction layout & inspection for subdivisions, site developments,
and highway/street improvements.
Operating construction layout equipment.
Experienced in Autodesk Land Desktop, Autodesk Civil 3D & HydraFlow

Project Engineer; Hamman/Newell Engineering
(March 2002 to October 2002), Jonesboro, Arkansas
Design and plan preparation for subdivisions and site developments.

Laborer; Drummond Asphalt & Construction (2000 to 2002)
Wynne, Arkansas
Performed construction layout, plant maintenance, and traffic control.

Brandon Wood, P.E.

- CERTIFICATION:** 2009, Arkansas Registered Professional Civil Engineer, No. 13854
2005, Arkansas Engineer Intern, No. 6806
- EDUCATION:** 2009, Certificate, ATC-20 Post Earthquake Safety Evaluations of Buildings
2009, Certificate, FEMA 154: Rapid Visual Screening of Buildings
for Potential Seismic Hazards
2009, Certificate, ESRI ArcGIS Data Interoperability Basics
2008, Certificate, ESRI Learning Pathway:
Fundamentals of ArcGIS Desktop
2008, Certificate, ESRI ArcGIS Geostatistical Analyst
2008, Certificate, ESRI ArcGIS Map Topology
2008, Certificate, ESRI ArcGIS Survey Analyst
2008, Certificate, ESRI Basics of Geodatabase Data Model
2008, Certificate, ESRI Creating & Maintaining Metadata
2008, Certificate, ESRI Understanding Geographic Data
2008, Certificate, ESRI Understanding GIS Queries
2008, Certificate, ESRI Map Objects Basics
2008, Certificate, ESRI Map Projections & Coordinate Systems
2008, Certificate, ESRI Working with ArcPad & ArcPad 7
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
Cartography and Geographic Information Society – Member
North American Cartographic Information Society – Member
- EXPERIENCE:** Sole Proprietor; Digital Design Consultants (2005 to Present)
3D data modeling for GPS and machine control for construction layout.
CAD drafting services.
Construction layout services.
GIS modeling services.
- Project Engineer; for Carlos Wood, P.E. (2000 to 2005)
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,
and highway/street improvements.
Experienced in Autodesk Land Desktop & Civil 3D.
- Engineer's Aide; for Carlos Wood, P.E. (1995 to 2000)
Assisted in construction layout.
Assisted in plan preparation for subdivisions and site developments.

Brad Cline, E.I.

CERTIFICATION: 2005, Arkansas Engineer Intern, No. 6837
2006, Stormwater Certification for Construction Sites (Hot Springs, AR)

EDUCATION: 2005, Bachelor of Science in Engineering (Civil Emphasis)
Arkansas State University, Jonesboro, Arkansas

EXPERIENCE: Sole Proprietor; Erosion Control of Arkansas (October 2006 to Present)
Develop Erosion Control/Best Management Practices plans and provide site inspection services.
Provide construction & installation of erosion control devices for construction sites.
CAD drafting services.

Part-time Project Engineer; for Carlos Wood, P.E.
(May 2006 to October 2006), Jonesboro, Arkansas
Design and plan preparation for subdivisions and site developments.
Construction layout & inspection for subdivisions, site developments, and highway/street improvements.
Preparation of permit applications
Experienced in Autodesk Land Desktop.
Operating construction layout equipment

Project Engineer; Terracon Consultants, Inc. (GEC),
(2005 to May 2006), Little Rock, Arkansas
Construction Inspection and Project Management.
Participate in Major and Minor Modification Permit Applications.
Leachate Remediation Projects and Reports.
Annual Engineering Reports.
Work with State Regulators and Arkansas State Regulation 22.
Worked under Professional Engineer on several other Solid Waste compliance projects.

Operator / Safety Manager; Cline Trenching
(1994 to May 2005), Jonesboro, Arkansas
Coordinated and overseen safety meetings.
Participated in construction projects for various utility companies.
Performed utility locates.

Bruce Wood

CERTIFICATION: 1996, Certificate, Traffic Signalization
1996, Certificate, Nuclear Density Technician
1996, Certificate, American Concrete Institute Technician

EDUCATION: 1977, Graduate of Brookland High School
Brookland Arkansas

EXPERIENCE: Engineering Technician; for Carlos Wood P.E. (2007 to Present)
Construction layout & inspection for subdivisions, site developments,
and highway/street improvements.
Operating construction layout equipment.

Construction Layout Technician; Meadows Construction (2004 – 2007)
Performed construction layout for the preparation of earthwork,
drainage systems, curb, sidewalk and various other aspects.
Operating construction layout equipment.

Survey Crew Chief; Hime Land Surveying (2002 – 2004)
Performed construction layout.
Assisted in performing land surveys.
Assisted in performing GPS control & network surveys.
Assisted in performing topographic surveys.

Engineering Technician; Carlos Wood P.E. (1999 – 2002)
Construction layout & inspection for subdivisions, site developments,
and highway/street improvements.
Operating construction layout equipment.

Street Maintenance Supervisor; City of Jonesboro (1996 – 1999)
Managed personnel performing various maintenance tasks.
Managed traffic signalization network.

Group Leader; City of Jonesboro Engineering Dept. (1984 – 1996)
Managed personnel for the construction layout crew.

Engineering Aide; City of Jonesboro Engineering Dept. (1978 – 1984)
Assisted in construction layout.

USI Consulting Engineers, Inc.
Springdale, AR
(479) 872-7115
www.usi-ce.com

H & S HIME
PROFESSIONAL SURVEYING SERVICES

Herbert Hime, P.L.S
(Owner)

CERTIFICATION: 1988, Arkansas Registered Professional Surveyor, No. 1142

EDUCATION: 1972, Graduate of Valley View High School
Jonesboro, Arkansas

1976, Southern University of Arkansas
East Camden, Arkansas
Associate degree in applied Science
Architecture and Building Construction

Continuing Education Courses:
G.P.S procedures and networking
30 hrs AutoCad course (A.S.U.)
Advancements in surveying and techniques

EXPERIENCE: H & S Hime Professional Surveying Services
Jonesboro, Arkansas
(2006 to Date) Sr. Partner

Hime Land Surveying
Jonesboro, Arkansas
(1989 to 2006) Sole Proprietor

Surveyor Crew Chief and Technician
Associated Engineers, Jonesboro, Ar.
(1987- 1989)

Survey Crew Chief
Ed Gray Professional Surveying service
Sherwood, Arkansas
(1985- 1987)

Survey Crew Chief & Project Manager
ETC Engineers (civil)
Little Rock, Arkansas
(1979- 1985)

EXPERIENCE: Miller, Newell Engineers (Jonesboro)
Jonesboro, Arkansas
(1978- 1979)

Instrument Man/Draftsman
Summerlin & Associates Engineers
Little Rock, Arkansas
(1976- 1978)

AREAS OF EXPERTISE / SERVICES:

- * Subdivision lot design & Lay out
- * Topographic surveys
- * Survey services for Engineering & Architectural firms (data collection services)
- * Boundary Surveys & ALTA Surveys
- * Construction Stake - Out
- * G.P.S. Control Surveys & Networks

**TYPICAL
PROJECTS:**

The following is a non-comprehensive list

- Highway & Street Improvements
 - North Little Rock, Ar (CDBG)Dixie Add(ETC)
 - Shreveport La(CDBG)5 streets (ETC)
 - Vivian La. (7 mile hwy improvement)(ETC)
 - Lake Village(CDBG)(ETC) 3 streets
 - Hwy 49 Parker Rd to Maple Valley Dr
Construction lay-out
 - Hwy 18 Barnhill Rd to St. Francis Bridge
Construction Lay-Out
 - Fox Meadow Improvement (right of way acquisition)
 - Port Harcourt, Nigeria (Highway Project)
 - Flemon Rd, field data collection for ETC engineers
- Sanitary Sewer Projects
 - Brusly, La.(complete town)
 - Cameron, La.
 - Minden, La..
 - Arcadia ,La.
 - Mansville, La
 - Cotton Valley ,La. (Inspector)
 - Quitman ,Ar(complete town)
 - Warren, Ar
 - Marshall, Ar.
 - Mena, Ar.

**TYPICAL
PROJECTS:**

- Airport Projects
 - Walnut Ridge regional (construction stake out)
 - Stuttgart Ar- Topographic Surveys
 - Clarksville Ar- Topographic Surveys(ETC)
 - Mount Ida, Ar Topographic Surveys(ETC)
- Subdivisions
 - Barrington Park Phase I & II
 - Bridger Place Phase I & II
 - Colony Park Phase I-VI
 - Caldwell Acres Phase I -VI
 - Dunwoody-Huntcliff Estates Phase 3&4
 - Griffin Park Phase I and V
 - Ridge Run Phase 4,5 &6
 - Winsor Landing Phase I-III
 - Woodland Heights Phases I-V
 - Kensington Park Phase I & II
 - Woodridge Phase I- III
 - Dunford Subd. Harrisburg, Ar