



Avalisha Fisher, P.E.

Education: University of South Alabama
Mobile, Alabama BSCE, 1993 (Cum Laude)

Certifications: Professional Engineer Licensed in the following States:
Alabama, Arkansas, Mississippi, Georgia, Florida, Louisiana, South Carolina, Texas, Ohio,
Colorado, and Tennessee

Professional Associations:
TAU BETA PI (The National Engineering Honor Society), GGC Alumnus Chapter-President
American Society of Civil Engineers (ASCE) Member,
American Railway Engineering and Maintenance of Way Association (AREMA),
AREMA Committees 14 & 16 Member and active participant
University of South Alabama Civil Engineering Department Advisory Board
University of South Alabama Engineering Alumni Association – Treasurer
Partners for Environmental Progress (PEP) Member and Board of Directors

Firm Experience: **President, Project Manager, & Civil Engineer**
Driven Engineering, Inc., Semmes, Alabama
February 2006 to present
Owner/operator of a project and purpose driven engineering firm with capability of completing projects including but not limited to: civil engineering design of highways and streets, traffic studies, rail spurs, small bridges, culverts, drainage improvements including lined and unlined open channels, site grading and drainage plans ranging from 0.25 acres to hundreds of acres, industrial site designs, facility/port security planning, hydraulic and hydrologic studies, water and sanitary sewer systems, State Highway design changes and access permit coordination, FEMA flood map revisions, Coastal and stormwater permitting, Corps permitting, pipeline routing and detailed design, and other infrastructure.

Civil Engineer, Project Manager
Gulf States Engineering, Inc., Mobile, Alabama
March 2004 to February 2006
Civil engineering design of sites, highways and streets, railroads, small bridges, drainage improvements including lined and unlined open channels, site grading and drainage, hydraulic and hydrologic studies, water and sanitary sewer systems, FEMA flood map revisions, Coastal and stormwater permitting, Corps permitting, and related infrastructure, management of the civil engineering department and oversight of surveying work that is completed for civil projects, and mentoring interns and designers.

Civil Engineer, Project Manager
Rowe Surveying and Engineering Company, Inc., Mobile, Alabama
May 1993 to March 2004
Civil engineering design of sites, highways and streets, railroads, small bridges, hydraulics and hydrology, drainage improvements including lined and unlined open channels, site grading and drainage, hydraulic and hydrologic studies, water and sanitary sewer systems, FEMA flood map revisions, Coastal and stormwater permitting, Corps permitting, and related infrastructure, management of the civil engineering department and oversight of surveying work that is completed for civil projects, and mentoring interns and designers

Project Management and Design Experience:

Mobile County, Alabama: Responsible for engineering and direction of survey data acquisition for flood map revisions for the East half of Mobile County, due to a grant from NOAA to modernize flood maps for Mobile County. (35 miles of streams studied)

Site Expansion for Ecovery, LLC Recycling Facility: This project includes the design of all parking, utilities, and drainage improvements required for the expansion of Ecovery's existing recycling facility in Loxley, Alabama. This includes coordination with ADEM for a Notice of Registration, Storm Water Pollution Prevention Plan, and Notice of Intent.

Southern Company: Design of a two-lane evacuation road relocation at the Plant Barry South evacuation road and design of grade crossing with Norfolk-Southern railroad and additional turn lanes on Hwy 43 per DOT specifications and requirements (2008).

Southern Company: Design of additional turn lanes on Hwy 43 at the Plant Barry South Evacuation Road per DOT specifications (2009).

GE Road and Storm Drainage Improvements: Design of access road and storm water drainage for GE Plant in Mississippi to allow for loading of railcars.

Tate and Lyle Saltstream Pipeline to Ciba Routing and Design: Design of Pipeline routing and necessary borings to cross under several roadways, existing utilities, other pipelines, and Norfolk Southern's railroad.

Tate and Lyle Sucralose Plant Expansion: Civil site planning and design for plant expansion including storm water drainage design, topographic mapping, and roadway design.

Standard Concrete, Theodore, Alabama Industrial Access Road Design: Design of over 1 mile of access road for Standard Concrete plant site in Theodore, Alabama to meet load and turning requirements of the specialized vehicles that will be transporting completed product from the site, and meeting Mobile County road requirements. Project had to be designed to meet client's requirements as well as Mobile County's requirements to accept the road for maintenance.

Schillinger Road North - design and construction management of 5 miles of widen and resurface on a 2-lane road for Mobile County, Alabama including accident study and computation of cost per accident eliminated for various design schemes.

Wilmer-Georgetown Road – design and construction management of 8 miles of widening and resurfacing of an existing paved rural road for Mobile County, Alabama including superelevation design, accident study, and computation of cost per accident eliminated for various design schemes.

Gulf Atlantic Operations - design of several rail spurs and transloading areas, certification of containment volumes for five distinct tank farm areas on three individual sites in Chickasaw and City of Mobile, and rail condition survey with recommendations to decrease maintenance costs.

IPSCO (2005) Heat Treat facility, Axis, Alabama: Site grading and drainage design and commercial site plan for Mobile County approval for a 23 acre area for a new 126,000 sf heat treat facility at the existing IPSCO steel mill site including heavy haul roads, utilities, and rail spur improvements.

Millard Refrigerated Services: Site grading and drainage of a 19 acre waterfront site for the largest refrigerated warehouse in the State of Alabama. Railroad and access road design to complete the site's intermodal access for product shipping, and port security planning per Coast Guard requirements are also included in her responsibilities for this project.

Ramey Road and Tanner Road: design of 1.2 miles of grade-drain-base and pave roads design for Mobile County, Alabama.

Mason Ferry Road: Grade-drain-base-pave design of 2.0 mile segment of a Mobile County Road.

Jack Williams Road, Snow Road North, and Wulff Road South: Widening and resurfacing design of approximately 8 miles of Mobile County roads, part of the 2004 Pay-As-You-Go Program including superelevation design, accident studies, and computation of cost per accident eliminated for various design schemes

Millard Refrigerated Services, McAllen, Texas: Site grading and drainage of a 30+ acre industrial site for the Phase IV expansion of an existing refrigerated warehouse including storm drainage detention design per City of McAllen requirements.

Joe Ching Road West & South: Grade-drain-base-pave design of 0.7 miles of Mobile County Roads.

Dunhill Terminals - design of new tank farm on Blakeley Island with City of Mobile permitting and ALDOT permitting of entrances, fire code requirements, etc.

University of South Alabama - design of a new practice fields and football field house site grading and drainage for the new Jaguar Football team. Project was time-sensitive and construction-driven to meet timeline for start of new football season. Artificial Turf design including anchoring and drainage considerations were also included in this project.

The Porches of Elberta - design of a private developer's 40 acre residential subdivision in Elberta, Alabama. The project includes innovative rear alleyways to access all lots from the rear to facilitate a coastal community feel in a small lot development. The project consisted of street, storm drainage, storm water detention, and utilities design.

Oceaneering Multiflex Facility Site Grading: Site grading and drainage design checking and modifications for a waterfront plant in Panama City, Florida, site for the largest undersea umbilical pipe manufacturing plant in the world.

Leacy Estates Subdivision - design of a 10 acre Prichard Housing Authority Subdivision as a consultant to the Mitchell Company. The project consisted of street, storm drainage, detention, and utilities design as well as site grading and stakeout work on the individual lots in the development. A Conditional Letter of Map Revision was also completed to facilitate development of property situated within an "A" zone.

Gold mine Road Dirt Pit - design of grading to excavate a dirt pit in Mobile County, Alabama. The project included commercial site plan design of the pit and entrance road to obtain a permit from Mobile County as well as ADEM NPDES permit, Construction Best Management Practices Plan, and Erosion and Sediment Control plan.

Mockingbird Hill Subdivision - design of a private developer's 40 acre residential subdivision in St. Elmo, Alabama. The project included design of streets, storm drainage, detention, utilities, and a decentralized sanitary sewer plant.

Rabbit Creek Flood Study: HEC-RAS river modeling to revise published flood zone lines along Rabbit Creek and establish a new regulatory floodway in the vicinity of a proposed condominium project.

Emerald Oaks - design of a private developer's 13 acre residential subdivision in the City of Mobile, Alabama. The project includes interesting street alignments and cu;-de-sac designs to minimize impact on ancient trees all over this property. The project consisted of street, storm drainage, storm water detention, and utilities design.

Donna Drive Dirt Pit - design of grading to excavate a dirt pit in Mobile County, Alabama. The project included commercial site plan design of the pit and entrance road to obtain a permit from Mobile County as well as ADEM NPDES permit, Construction Best Management Practices Plan, and Erosion and Sediment Control plan.

Best Western Hotel, Semmes, Alabama: Site layout, grading and drainage of a 1 acre parcel for a 50 unit hotel development. Project included stormwater management and detention system, water, sewer, gas, and power connections, and Mobile County Commercial Site Plan approval.

Delta Oaks Subdivision - design of a private developer's 80 acre residential subdivision in Creola, Alabama. The project consisted of street, storm drainage, detention, utilities, and onsite sewer system permitting and design.

Northridge Estates Subdivision - design of a private developer's 160 acre residential subdivision in Saraland, Alabama. The project consisted of obtaining preliminary plat approval for the first 70 acres, and preliminary plans for the streets, storm drainage, detention, and utilities.

Newk's Express Café: Site layout, grading and drainage of a lease parcel for a new restaurant. Project included stormwater management, water, and sewer connection layout, an administrative City of Mobile PUD to share parking with an adjacent development, and permitting.

Baker Road Apartments Site Grading and Drainage: Site grading and drainage of a 1.5 acre site for 4 new apartment buildings being placed on a site with two existing duplexes, located in the City of Satsuma. Project included stormwater detention, water, and sanitary sewer system design.

Tillman's Corner Office Depot: Site layout, grading and drainage of a 2.5 acre site for a new Office Depot store. Project included stormwater detention, water, power, and telephone connection layout, and sanitary sewer system extension design, as well as Alabama Department of Transportation driveway and sewer extension permitting.

Dothan Office Depot: Site layout, grading and drainage of a site in Dothan, Alabama for a new Office Depot store. Project included stormwater detention, water, power, and telephone connection layout, and sanitary sewer system extension design, as well as Alabama Department of Transportation driveway and sewer extension permitting.

Wellness Center, Mizell Memorial Hospital, Opp, Alabama: Site layout, grading and drainage of a site for a new Wellness Center. Project included stormwater management, water, and power connection layout. This project was reviewed and approved by the USDA due to funding sources.

Bellcase Development: Conceptual site layout/land planning for an **898** acre development planned for Prichard, Alabama. Using wetland delineation by Barry Vittor & Associates, LIDAR contours for Mobile County, and a preliminary flood map revision of Branch "A" (completed in house), a preliminary layout of a mixed use development was prepared for the first 200 acres. Once the preliminary layout that meets City of Prichard Subdivision Regulations was prepared, Autodesk Impression was used to create a publicity/marketing sketch of the development.

South Drive Drainage Improvements - design and construction management of a 1200 LF concrete box culvert with street reconfiguration for the City of Mobile, Alabama.

Nail Street Drainage Improvements - design and construction management of a gabion lined open channel and concrete box culvert project for the City of Mobile, Alabama.

Baldwin Road Apartments Site Grading and Drainage: Site grading and drainage of a 1.6 acre site for 2 new apartment buildings being added to a site with an existing apartment building, located in the City of Satsuma.

Marqueza Condominiums Site Grading and Storm Drainage Design: Site grading and drainage for a site containing existing multiple condominium structures that will be demolished for replacement with a single condominium structure in the City of Orange Beach, Alabama.

Waterfront Realty Office Park: Site grading and drainage for a new professional office park in Orange Beach, Alabama.

Starbucks Coffee/Retail shops Springhill Ave & I-65: Site grading and drainage of an existing developed property for a new Starbucks Coffee shop and a retail shop with drive-thru for Ladas Land & Development, Inc.

Alabama River Flood Study: Evaluation of a published flood study to determine the extent of impact on the flood zone that a certain site is causing or will cause in the future in several Alabama counties.

New Era Cap Co. Security Plan and site design: Evaluation of an existing developed site to improve security and fencing layouts as well as increase the parking area capacity for the site located within the City of Mobile, Alabama.

Railroad Street South & East, Harvill Road: design of 0.5 miles of grade-drain-base and pave roads design for Mobile County, Alabama

Twelvemile Creek Flood Study: HEC-RAS river modeling to revise published flood zone lines along Twelvemile Creek for a proposed apartment complex project near the University of South Alabama.

Wilmer Senior Center: Site design for new parking area and renovation to the Wilmer Senior Center, a Community Development Block Grant project in Mobile County, AL.

Atmore Senior Center: Site design for the new Atmore Senior Center, a Community Development Block Grant project in Atmore, AL.

Calcedeavor School & Richard Weaver Road: Site grading and drainage for a proposed new school parking lot and grade-drain-base-pave design of a Mobile County road adjoining the parking lot.

WillieCo Ltd: Site grading, drainage, and utility design of a 14 acre site for a 34,000 square foot office and warehouse facility.

Chili's- Schillinger Road: Site grading, drainage, and utility design of a new Chili's restaurant location on Schillinger Road in Mobile County, Alabama.

Second Creek Flood Study: HEC-2 to HEC-RAS conversion flood study of a proposed subdivision with a new bridge over Second Creek to show that the development will not cause a rise in calculated flood elevations and to revise published FEMA flood maps.

Tributary to Bell Branch Flood Study: FEMA Conditional Letter of map revision flood study for a proposed lake located within a regulatory flood plain.

Tributaries to Dog River Flood Study: FEMA letter of map revision to revise the floodway and floodplain mapping on property near Dog River.

Montlimar Creek Flood Study: HEC-2 to HEC-RAS conversion flood study to determine the flood elevations in an unstudied reach of Montlimar Creek, completed for approval and was accepted by the City of Mobile as the official AE, X shaded, and floodway determination.

Topographic Survey and Grading and Drainage Design for Snow Road Baptist Church: Site grading, drainage, and utility design of a 10 acre site for a 6,300 square foot multipurpose facility at the intersection of Snow and Howells Ferry Roads.

Grading and Drainage Design for Sunrise Baptist Church: Site grading, drainage, and utility design of a steep site for a new church facility on Snow Road just North of Airport Blvd.

Figures' Way Subdivision - design of a Prichard Housing Authority Subdivision as a subconsultant to architect Major Holland. The project consisted of street, storm drainage, detention, and utilities design as well as site grading for the individual lots in the development.

HEC-2 and HEC-RAS flood studies for LOMR's and CLOMR's for various creeks in the Mobile County area: Tributary to Coden Bayou, Rabbit Creek, Dykes Creek, Montlimar Creek, Alligator Bayou, Second Creek, Muddy Creek, Milkhouse Creek, Rattlesnake Bayou, Three Mile Creek, Big Stickney, Little Stickney, Eslava Creek, and others...

Belmont Park Drive Dam Repair - design and construction management of Dam improvements including sheet pile walls, concrete spillway and precast concrete bridge structure for Mobile County, Alabama.

Ferland Road and Nelson Road, design and construction management of 1.2 miles of widen, resurface, and reconstruction of existing paved road and 1/2 mile of GDBP road design for Mobile County, Alabama.

Drainage Improvements for Tung Avenue design and construction management of a 2000 LF concrete lined open channel and 750 LF large concrete pipe for Mobile County, Alabama.

Street and Drainage Improvements for Rock Road- design and construction management of GDBP of a one-mile industrial road which was accepted for maintenance by Mobile County, Alabama.

University of South Alabama Intramural Fields: Grading and drainage with an underground detention system design, & ADEM permitting for 6 new ball fields for the University of South Alabama.

Community Involvement:

America's Junior Miss Host Family (2008 & 2010)

Girl Scouts Adult Volunteer

Dayspring Baptist Church member & Small Group Host Family/Co-leader