











M.E. SACK

E N G I N E E R I N G

With a team approach to exceeding our client’s expectations, M.E. Sack Engineering is a **full-service engineering firm** that combines decades of experience with proactive service to create effective solutions. The team is committed to addressing the issues specific to our area. No matter how complex or simple, we engineer our projects with **accuracy** and **efficiency**. We recognize the value of listening to our clients and take the time to understand their goals so we can always deliver the right product at the right cost in the least amount of time.

We have a strategic location in **Hinesville** to serve southern coastal Georgia, and an office in **Rincon** to serve our northern coastal region and the state South Carolina. The firm offers a wide range of engineering services which include water and sewer facilities analysis and design, evaluation and design of drainage facilities, roadway and pavement design, limited soils testing, and construction monitoring. This wide range of experience has been of value to many of our clients that have either placed our firm on **retainer** or awarded projects on a **contract basis**.

			
Site Development & Land Planning	Water & Wastewater Design	Industrial & Institution Design	Transportation Design
			
Stormwater Planning & Design	Landscape Architecture	Construction Surveying	Construction & Contract Administration

“Engineering is the closest thing to magic that exists in the world.” -Elon Musk



SITE DEVELOPMENT & LAND PLANNING



No two sites are the same, but our goals are. Our approach is to use sound design principles to deliver the highest site density and usable, livable space. In this form, creativity and engineering combine to provide buildable, well-planned developments for the future. Our active involvement allows us to excel in this ever changing market. From single family residential to industrial to office park and multi-family developments including high density to country living, we have the experience. Many years in the business of land development design has given us great insight into the details that can make the difference in a quality development.





WATER & WASTE WATER DESIGN



Whether you are looking for expansion, resolving existing failures, or troubleshooting complex treatment systems, we will deliver a solution specific to your needs. Water is a limited and valuable resource. Water and wastewater system designs are measured not only at initial startup, but also in long term operation and maintenance. Permitting withdrawal and using technology to maximize metering and delivery of this resource is paramount to the vital growth of our communities. Our innovative designs and in depth knowledge of this technology results in viable projects to meet current and future water demands. Designs have included distribution system expansion, water transmission systems, elevated water storage tanks, ground storage tanks and high service pump stations, water supply wells, ground and surface water treatment facilities and fire protection systems.





INDUSTRIAL & INSTITUTIONAL DESIGN



Our team is committed to delivering efficient design and planning products in fast paced environments. We have worked with industry and industrial development authorities to provide unparalleled advantages through our relationships with municipalities, architects, and contractors. Some of these same relationships transfer to our successful results for institutional clients as well. Successful projects for these developments require all aspects of the services we provide with deadlines and budgets as driving forces.



TRANSPORTATION DESIGN



This is truly the foundation to maximum utilization of land and creating a safe travel environment while minimizing delay. Safety, aesthetics, economy and regulatory requirements are all factors we consider when engineering our designs. Our experienced team is knowledgeable in using the most current design and software technologies when it comes to transportation design. Our roadway projects have included new developmental roadways which involve right of way acquisition, environmental clearance, and basic roadway design. In addition, rehabilitation, reconstruction or realignment of existing roadways has become a major focus of many cities and counties. Roads that were originally installed when traffic loading was much smaller have become inadequate for higher use now and into the future.





STORMWATER PLANNING & DESIGN



With development and urbanization of land mass the complexities of treating and conveying stormwater continue to evolve. We have a great understanding of how we impact the environment in which we live. More sustainable communities are built by properly planning infrastructure and sustained through system permitting, reporting, and management. Some of our success drainage projects include: countywide drainage studies to small retention ponds, design of major, municipal storm water transport systems, drainage system design for newly developed subdivisions and rehab of old systems. We utilize oversized retention ponds, grassed overflow areas and skimmer systems to meet the quality requirements placed on storm water today.





LANDSCAPE ARCHITECTURE



Through the use of planting design, hardscape elements, and shaping of the land, our innovative, yet practical, solutions strive to maintain a balance between the natural and man-made environment. We understand the economic challenges of each project and the importance of conserving our natural resources for all generations. Our team has extensive experience with a diverse mix of project types ranging from residential to recreational and commercial to municipal.





CONSTRUCTION SURVEYING



To better serve our clients, we provide field investigation and construction staking for the projects we design. This streamlines construction efforts and reduces time at the end of the project when preparing record drawings or “as-builts”. Services include topographic and location surveys of existing sites, as well as, staking services during the construction process. We employ technical staff to perform field tasks and maintain the latest surveying equipment for quick implementation and reduced overall project schedules.





CONSTRUCTION & CONTRACT ADMINISTRATION



M.E. Sack Engineering acts as the agent for the owner of a project, assisting them with successful construction oversight; including: processing payment applications, certified payroll review, grant administration, M/WBE and funding agency compliance, or the multitude of small details that can quickly turn a progressing project into a stalled project. Our site administrators enjoy a collaborative role, working closely with project managers, contractors, and agencies.





Clients Choose Us

M.E. Sack Engineering serves as the engineer of record for many developers and municipalities across the state. We consider these clients partners in business. We approach our projects with them as joint efforts in accomplishing a common goal.

Another valuable asset we provide is the “knowledge of Federal and State agencies and their function/requirements”. This knowledge allows us to quickly recognize whether a specific project would qualify under any active programs. Because of our working relationships and proven track record with these types of clients, we are able to resolve controversial issues and secure grants.

Many projects do not qualify for government funding and require revenue bond funding. We have prepared many engineering reports and revenue debt projections for use in obtaining revenue bond funding. These projects also include developing a rate structure and rate model to project system revenues at different rates. This allows the utility system to examine the revenues of many different combinations of rates and structures before implementing changes.

Fee Proposal

M.E. Sack Engineering works with clients under several different fee agreements and structures. These structures include payment on an hourly basis, negotiated fixed fee, and a percentage of construction cost. On those projects that follow the project approach outlined earlier and the fee arrangement is based on a percentage of construction cost, the following fees are typical:

- **Engineering Design & Plan Preparation** 4.5% to 6.5%
- **Construction Observation & As Built Preparation** 3.0% to 4.0%

(Usually surveying efforts are included in these fees, however some conditions require extra compensation for surveying.)

Hourly Rates

- **Application Preparation Stage:**

No Hourly charges apply. The client will not be billed for time or expense to complete this stage.

- **Implementation Stage:**

Principal Engineer	\$150/hr
Project Manager	\$110/hr
Assistant PM	\$95/hr
Draftsman	\$80/hr
Technician	\$50/hr
Survey Crew	\$120/hr
Inspector	\$55/hr
Administration	\$45/hr