



March 29, 2022

Attention:
Parish of Jefferson
Purchasing Department

RE: Parish of Jefferson, Louisiana
Public Notice "SOQ 22-011"- Routine Engineering Services for Drainage Projects

Dear Proposal Evaluator,

In response to the above referenced public notice, Quality Engineering and Surveying, LLC (QES) hereby submits to the Parish of Jefferson our letter of interest and all required documents. We understand the Parish's need to create a supplemental list of professional engineering firms qualified to provide routine engineering services for Drainage Projects.

As a locally owned and operated, emerging business, and Louisiana licensed engineering and surveying firm our team is passionate about a successful outcome for the Parish of Jefferson's potential future projects. Our team of professionals include subject matter experts in a variety of disciplines, thus offering the Parish of Jefferson a strategic partner that will work tirelessly as the Parish's program representative to ensure the projects undertaken deliver maximum results. As your program's representative your goals are our team's goals, and the Parish's project will benefit greatly from our proven effective Engineering Services.

Our team acknowledges ability to quickly deploy project staff from our local Port Vincent office. QES also acknowledges the absence of adversarial legal proceedings between the Parish and our firm.

The Parish of Jefferson's primary point of contact for the RFQ is:

Deric J. Murphy, PE, LSI
President | Principal in Charge

18320 Hwy 42
Port Vincent, Louisiana 70726
(225) 698-1600
dmurphy@qesla.com

We appreciate the opportunity to submit our qualifications and look forward to hearing from you about the possibility of working with the Parish of Jefferson.

Sincerely,

Deric J. Murphy, PE, LSI
President | Principal in Charge

QUALITY

Engineering & Surveying, LLC



JEFFERSON PARISH
STATEMENT OF QUALIFICATIONS
FOR ROUTINE ENGINEERING SERVICES FOR
DRAINAGE PROJECTS
MARCH 31, 2022



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:
SOQ No. 22-011 "Routine Engineering Services for Drainage Projects"
Resolution No. 138811

B. Firm Name & Address:

Quality Engineering & Surveying, LLC
 18320 Hwy 42
 Port Vincent, LA
 70726



C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

Deric J. Murphy, PE, LSI
 President | Principal in Charge
 18320 Hwy 42
 Port Vincent, Louisiana 70726
 (225) 698-1600
 dmurphy@qesla.com

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.

William Purser, PE
 18320 Hwy 42
 Port Vincent, Louisiana 70726
 wpurser@qesla.com
 (225) 698-1600

E. Please provide the number of employees whose primary function corresponds with each category:

<u>10</u> Administrative	___ Estimators	___ Specification Writers
___ Architects (Licensed)	___ Geologists	___ Structural Engineers
___ Chemical Engineers	___ Geotechnical Engineers	___ Graduate Engineers
<u>7</u> Civil Engineers	___ Interior Designers	<u>9</u> Project Managers
<u>1</u> Construction Inspectors	<u>4</u> Landscape Architects	<u>6</u> Clerical
___ Ecologists	<u>6</u> Land Surveyor	<u>1</u> Grant/Funding
___ Electrical Engineers	___ Mechanical Engineers	___ Sanitary Engineers
<u>5</u> Engineer Intern	___ Environmental Engineers	
<u>2</u> Professional Land Surveyors		<u>51</u> TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES NO

If marked "No" skip to Section I. If marked "yes" complete Sections G-H.

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.

1. N/A

2. N/A

H. Has this JOINT-VENTURE previously worked together? Please check:

YES

N/A

NO

N/A

I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. N/A	N/A	N/A
2. N/A	N/A	N/A
3. N/A	N/A	N/A

J. Please specify the total number of support personnel that may assist in the completion of this Project:

 N/A

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Deric J. Murphy, PE, LSI
President | Principal in Charge

Project Assignment:

Professional in Charge of Project

Name of Firm with which associated:

Quality Engineering & Surveying, LLC



Years' experience with this Firm:

13 years with QES
26 years total in industry

Education: Degree(s)/Year/Specialization:

Bachelor's degree in Civil Engineering from Louisiana State University-1996

Active registration: Year first registered/discipline:

Professional Engineer No. 0029602	First Registered- 2001
Land Survey Intern No.0000427	First Registered-1998

Other experience and qualifications relevant to the proposed Project:

Mr. Murphy is the QES principal in charge and serves as president. He is a licensed Civil Engineer and Land Surveyor Intern with 25 years of experience designing, reviewing, surveying, and managing multiple types of projects for both public and private sectors. He works on and provides advisory services for civil design, land development projects, master planning, feasibility studies, due diligence and codes and ordinance research. Mr. Murphy engages in all project phases including conceptual design, cost estimating, final design, construction administration, public outreach, and interaction with relevant governmental agencies.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
William Purser, PE Engineering Manager	
Project Assignment:	
Professional Engineer	
Name of Firm with which associated:	
Quality Engineering & Surveying, LLC	
Years' experience with this Firm:	
8 years with QES 27 years total in industry	
Education: Degree(s)/Year/Specialization:	
Bachelor's degree in Civil Engineering from University of Idaho: Ricks College-1994	
Active registration: Year first registered/discipline:	
Professional Engineer No. 29357	First Registered- 2001
Other experience and qualifications relevant to the proposed Project:	
<p>Mr. Purser has 25 years of Civil Engineering and Public Works projects spanning from Tennessee to Louisiana and including Texas and Alabama. He is an expert at navigating tight budgets and compressed timelines. As an experienced project manager, Mr. Purser has been responsible for seeing hundreds of projects from initial surveys and plans to final bid and completion. He is practiced in civil engineering disciplines such as roadway/transportation, drainage, water line and site design.</p> <p>Breaux Bridge Manor Drainage Improvements, St. Martin Parish – Mr. Purser is the Senior Engineer on this project. His role includes overseeing the drainage study and recommendations. QES was selected to complete the studies and design of the Breaux Bridge Manor Drainage Improvement project. A study of 603 acres was completed. The project will remove an existing box culvert that is set at the wrong elevation. A larger culvert will replace the existing culvert and will be set at the appropriate elevation to ensure proper conveyance of water in the drainage area.</p> <p>Pine Bluff Drainage Improvements, Livingston Parish – Mr. Purser led the engineering team at QES in the drainage improvement project at Pine Bluff Road in Livingston Parish. He oversaw the environmental engineering, design and construction administration, feasibility study, geotechnical investigation, and the H&H study aspects of the project.</p> <p>West David Drive Drainage Improvement, Tangipahoa Parish – Mr. Purser oversaw and led the completion of QES's responsibilities for the West David Drive project, which included a hydrologic study and provide plans for the installation of a new subsurface system along West David Drive, cleaning of outfall ditches and regrading of the pavement to the appropriate slope.</p> <p>Audubon Bridge, West Feliciana Parish, LA – Mr. Purser was the Civil Engineer on this project with a previous employer. Provided design and analysis of storm drainage for the preliminary designs for the two and four lane roadways as well as final design for the two-lane roadway. Also, provided and designed culverts for the temporary construction road. Designed the relocation of the water line at the intersection of the new roadway with U.S. 61</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Mr. Yunxiang Fan, PE Water Resource Engineering Department Manager
Project Assignment: Engineer-in-Charge
Name of Firm with which associated: Quality Engineering & Surveying, LLC. 
Years' experience with this Firm: 1 year with QES - Head of Water resources Engineering Department
Education: Degree(s)/Year/Specialization: M.S. in Civil Engineering, LSU, Baton Rouge 1997 M. Eng. In Environmental Engineering, Hunan University, Changsha, China 1990 B. Eng. in Environmental Engineering, Hunan University, Changsha, China 1986
Active registration: Year first registered/discipline: Professional Engineer No. 29592 (registered in 2001)
Other experience and qualifications relevant to the proposed Project: <ul style="list-style-type: none">• 20+ years of broad experience, including senior leadership with P&L responsibilities (\$120 million annual turnover at peak), in civil, municipal engineering, land development, WWTP design-build, construction and stormwater management permitting, project management.• Project development and execution for water and wastewater treatment plant design-build projects.• Extensive hydrology and hydraulics knowledge and experience in floodway and floodplain delineation, stormwater management, drainage system design, highway bridge hydraulics study. <p>Evaluation of I-290 Existing Trunk Storm Sewer and Pump Station #4 Capacities - Roselle, Illinois: Evaluated the capacity of existing trunk storm sewer along I-290 Expressway and to assess whether the existing flooding is caused by insufficient capacity of the existing main drain storm sewer; peak discharge, hydraulic grade line elevations, storm events modeling, structural integrity</p>

TEC Professional Services Questionnaire

Midwest Road Widening Between Cass Ave. to I-88 - Westmont, Illinois: **Lead Drainage Engineer** on 2.2 mile street widening project. The major challenge was that there was no space to build a **stormwater detention pond**. Using Master Watershed Model, Mr. Fan designed the modification of three chained lakes downstream to accomplish the detention requirements in the same watershed. modified the culvert opening under Midwest Road and fine-tuned the outlets at three lakes downstream.

DuPage County Regional Stormwater Detention Fee-in Lieu Program – Wheaton, Illinois: Conducted the County-wide Regional Stormwater Detention Fee-in-Lieu program, as part of the DuPage County Stormwater Management Ordinances.

Analyzed major watersheds within the county limit and modeled the existing and future zoning/development conditions using TR-20 computer model. Detention storage volume and construction costs per ac-ft in each watershed or basin were calculated through this study. The results were adapted by the County as part of the Stormwater Management Ordinances. Mr. Fan was lead modeler.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Yangbin Tong, PE, MASCE	
Project Assignment:	
Professional Engineer	
Name of Firm with which associated:	
Quality Engineering & Surveying, LLC	
Years' experience with this Firm:	
< 1 year	
> 8 years in total in industry	
Education: Degree(s)/Year/Specialization:	
Master's Degree in Civil Engineering from LSU/ 2013/ Water Resources & Environmental	
Master's Degree in Engineering from Zhejiang University/ 2008 /Hydrology and Water Resources Engineering	
Bachelor's Degree in Engineering from Zhejiang University/ 2006 / Hydrology and Water Resources Engineering	
Active registration: Year first registered/discipline:	
Professional Engineer in Louisiana: 2021 / Civil Engineering	
Other experience and qualifications relevant to the proposed Project:	
<p>Mr. Tong has 8 years of experience in civil engineering design and analysis, including Hydrologic and Hydraulic Modeling and Analysis, Stormwater Management, Flood Mitigation, and Site Development. His past roles cover civil engineering designer, H&H modeler, engineering task coordinator and project manager. He has excellent writing skills in both academic peer-reviewed journal papers and project reports. In addition, he has 2 years of work experience in China focusing on H&H modeling and analysis.</p> <p>Mr. Tong's latest projects include Wastewater Treatment Plants in Denham Springs, Livingston and Walker, LA. He was the leading designer that drafted the construction documents, estimated the project cost, and compiled the bidding documents, all under the direct supervision of the project manager. Specific designing work included headwork, aeration basins, clarifiers, WAS/RAS pumps, chlorine chambers and hydraulic profile checks.</p> <p>Chapepeela Watershed Study, Tangipahoa Parish</p> <p>QES is awarded by Tangipahoa Parish to perform a comprehensive watershed study for a potential retention pond(s) project. Mr. Tong is the leading engineer to perform Gap Analysis, Data Acquisition, Hydrology and Hydraulics (H&H) Modeling & Analysis, Environment Review and Preliminary Engineering Study.</p> <p>Lacassine Bayou Watershed Modeling, Calcasieu Parish Police Jury</p> <p>While employed by CSRS, Inc., a subconsultant to C.H. Fenstermaker & Associates, L.L.C., Mr. Tong developed the Calcasieu Parish Drainage Master Plan for the Calcasieu Parish Police Jury (CPPJ). Mr. Tong ran HEC-RAS models to incorporate and compare various proposed measures in the Lake Charles Watershed to assess the cost and benefit. Later, Mr. Tong performed data GAP Analysis for a few other watersheds in CPPJ and implemented QA/QC for the GAP Analysis of Lacassine Bayou Watershed. Moreover, he developed and stabilized a 2D model for Lacassine Bayou Watershed using ArcGIS, HEC-HMS and HEC-RAS</p>	

TEC Professional Services Questionnaire

East Baton Rouge Watershed Modeling

While employed by CSRS, Inc., a subconsultant to HNTB, Mr. Tong assisted on the East Baton Rouge Parish Drainage Master Plan for the East Baton Rouge Parish. Mr. Tong was responsible for the development, stabilization, and validation of Upper Amite Watershed 2D model in current condition.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Halith Al Aloosi, PE Project Manager
Project Assignment: Project Designer
Name of Firm with which associated: Quality Engineering & Surveying, LLC. 
Years' experience with this Firm: 2 years with QES 15 years in other firms
Education: Degree(s)/Year/Specialization: Baghdad University Bachelor of Science In Civil Engineering Southern University Master of Science In Environmental And Water Resources
Active registration: Year first registered/discipline: Alabama License No. 40239
Other experience and qualifications relevant to the proposed Project: Mr. Al Aloosi has multi-disciplined Civil Engineering experience ranging from building, infrastructure, transportation projects, and project management. Early in his career, he worked as a Project Controller for a 27.8 million program management contract that managed several projects for US Army /Gulf Region Division. Project Engineer (Various Projects) Working with several types of projects, including road improvement, commercial site developments, residential subdivisions, Metal Building design, drainage, water/sewer improvement projects <ul style="list-style-type: none">• Site design and analysis, site grading, and Road design including site layout using Auto-CAD.• Structural design calculations and technical recommendations.• Project coordinator & management and Cost estimating.• Land Survey Information reviewing.• Site inspection and maintaining construction records. Development of Roads Network and Intersection at Alrawda Palace in Saif Bin Darwish (completed with previous firm) Responsibility: construction project management: <ul style="list-style-type: none">• Progress report preparation• Ensure all activities as planned and scheduled• Maintain and ensure all activity as per project specification• Dealing with all authorities and obtain all NOC or permission required• Coordinate between all subcontractors in order to finish the activities on time.• Conduct Safety weekly inspection• Coordinate with traffic department for road detours plan.• Reviewed and signed drawings before submitting it for approval.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Jacob Murrey, EI Engineer Intern
Project Assignment: Project Designer
Name of Firm with which associated: Quality Engineering & Surveying, LLC. 
Years' experience with this Firm: 1 years with QES 0.5 years in other firms
Education: Degree(s)/Year/Specialization: Clemson University, Bachelor of Science in Civil Engineering
Active registration: Year first registered/discipline: South Carolina EI No. 21298 License No. 40239
Other experience and qualifications relevant to the proposed Project: <p>Jacob is one of QES's successful engineering interns, assisting in studies and design of numerous drainage projects.</p> <p>As a student, he undertook a groundwater remediation of a chlorinated solvent and fuel hydrocarbon release. He examined the cost-benefit relationship of possible treatment strategies to find the optimal solution, then prepared a remediation design proposal.</p> <p>He also undertook the examination of a local stream to determine the source of a bacterial contamination.</p> <p>Allen Bayou Watershed Study – Denham Springs, LA Modeled the hydrologic and hydraulic conditions of Allen Bayou as it runs through Livingston Parish to identify potential improvements to the drainage within the watershed.</p> <p>Highway 16 at Felder's Bayou Culvert Replacement – Livingston Parish, LA Developed a model of Felder's Bayou in Livingston Parish to appropriately size a replacement of the existing Highway 16 culvert crossing.</p> <p>Long Slash Branch Culvert Replacement – Livingston Parish, LA - Developed a model of Long Slash Branch in Livingston Parish to appropriately size a culvert for a proposed private roadway crossing.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Jeff Diamond, PLS
Project Assignment: Survey Director
Name of Firm with which associated: Quality Engineering & Surveying, LLC 
Years' experience with this Firm: 2 years with QES 17 years total relevant experience with other employers
Education: Degree(s)/Year/Specialization: Bachelor's in Interdisciplinary Science; Surveying, Geography BS engineering pending (estimated completion 2022)
Active registration: Year first registered/discipline: PLS, Louisiana #0005186
Other experience and qualifications relevant to the proposed Project: <ul style="list-style-type: none">• Previous to joining QES to lead survey department, served as: Sr. Civil Designer; Sr. Party Chief; Supervising Professional and Chief Land Surveyor• Expertise and experience in commercial and industrial site development (horizontal and vertical control network, topographic and boundary surveys, as-built survey, geometric design, H&H analysis, Utility placement, regulatory compliance, plan development, construction layout, construction administration, inspections, quality control surveys.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Christopher Cook Production Manager
Project Assignment: Project Manager / Design
Name of Firm with which associated: Quality Engineering & Surveying, LLC  Jefferson Parish
Years' experience with this Firm: 2 years with QES 26 years total in industry
Education: Degree(s)/Year/Specialization: Associates in Applied Sciences from ATI Training Center, Dallas TX-1997
Active registration: Year first registered/discipline: N/A
Other experience and qualifications relevant to the proposed Project: Mr. Cook has 26 years of experience as a project designer and CAD Technician. He has worked for a variety of firms throughout Texas and Louisiana, gaining new skills and expertise to add to his repertoire. At QES, Mr. Cook is our CAD Production Manager, overseeing a team of designers and technicians. As senior CAD Designer, he leads our techs and designers on the engineering team in creating superior work that is on deadline and in budget.

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Livingston Parish Gravity Drainage District No. 1 Master Plan.</p> <p>Denham Springs LA Livingston Parish</p> <p>Wesley Kinnebrew gravitydrainage@lpgd1.net (225) 664-5827</p>	<p>As consultant to Livingston Parish Gravity Drainage District No. 1, QES conducted a comprehensive drainage study of the entire district, including the five major waterways.</p> <p>The data collected was used to create basin areas within all major watersheds.</p> <p>Our hydrologic model, using parameters based on a detailed topographic survey, Light Detection and Ranging (LIDAR) topography data, along with aerial photographs for the existing conditions.</p> <div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>Grays Creek Analysis – one of several</p> </div> </div> <div style="display: flex; align-items: center; margin-top: 10px;">  <div style="margin-left: 10px;"> <p>This study takes into consideration all of the existing flows, survey data, sizes of the drainage basins, hydraulic lengths, hydrologic soil types, land use, basin slopes, and percent imperviousness. The thousands of data points: stream cross-section, topography, culvert size and capacity, obstructions and</p> </div> </div> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: fit-content;"> <p>The analyses include every bridge, restriction and obstruction to flow</p> </div> <p>restrictions (including all bridges) allowed our analysts to build a comprehensive, hydraulic, interactive flood model.</p> <p>We used that conditions model is to demonstrate which alterations will improve conveyance in any given watersheds or the entire district.</p> <p>With that information, we developed a detailed master list of improvement projects, including costs, to guide the district in its efforts to protect citizens.</p> <div style="display: flex; align-items: center; margin-top: 10px;">  <div style="margin-left: 10px;"> <p>Field technicians captured thousands of data points</p> </div> </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2021	\$450,000	\$450,000

TEC Professional Services Questionnaire

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Jesuit Bend Drainage Improvement</p> <p>Plaquemine Parish</p> <p>Ken Dugas, P.E.</p> <p>Plaquemines Parish Government</p> <p>102 Avenue "G"</p> <p>Belle Chasse, LA 70037</p> <p>(504)297-5349</p>	<p>QES provided professional services to Plaquemines Parish to improve drainage around the Jesuit Bend neighborhood on LA Highway 23.</p>  <p>This is a crucial project to Plaquemines Parish, as the highway currently acts as a levee. Floodwaters have often ponded over the road's surface, making it impossible for traffic to pass.</p>    <p>In addition to flooding along the highway, a railway would incur damages on an annual basis due to the inability of water to run-off properly. Quality's proposed project will improve drainage by allowing water to convey from the east side of LA Hwy 23 to the west side and into to the existing drainage system.</p> <p>KEY TASKS: Topographic Surveying, Civil Design, Drainage, Roadway Permitting, Construction Layout, Hydraulic & Hydrologic Study and Analysis</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2013	\$97,000	\$97,000

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>City of Tallulah – Ethel Street Drainage Project</p> <p>Mayor Paxton Branch 318-574-0964</p>	<p>The City of Tallulah participated in the Hazard Mitigation Plan and established the Ethel Street Drainage Improvement Project to 1) reduce repetitive flood damage in Madison Parish including all incorporated area, municipalities, and or drainage districts and 2) facilitate responsible future development in the parish to reduce or eliminate the potential impacts of disasters.</p> <p>QES was contracted by the City of Tallulah to complete a Hydrologic and Hydraulic Study, complete an environmental review and assessment, provide a preliminary engineering report with determination cost of damages with existing system, development of a preliminary design including plans and specifications incorporating all necessary approvals, conduct all necessary data collection, prepare a final cost estimate and manage the project through to completion.</p> <p>KEY TASKS: H&H, environment review, design, engineering report, costs</p> <div style="display: flex; justify-content: space-around;">    </div>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Dec 2016	\$197,000 (fee)	\$197,000

TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Breaux Bridge Manor Drainage Improvement Project</p> <p>Breaux Bridge, St. Martin Parish, LA St. Martin Parish Government 301 West Port St., St. Martinville, LA 70582 (337) 394 – 2200 hbabineaux@stmartinparish.net</p>	<p>Breaux Bridge Manor Apartment Complex lies near the intersection of Highway 347 and Doyle Melancon Road.</p> <p>An existing drainage ditch lies south of most of the developed area.</p> <p>This ditch carries drainage from the developed area to the outfall east of Doyle Melancon Road. With our firm's in-house surveying capabilities, we performed surveys and field verification of drainage concern. We included wetland scientist to provide us with an environmental review of areas affected by the proposed upgrades along the drainage route.</p> <p>Upon completion of the preliminary assessment and the Hydraulic and Hydrologic Study, we provided the parish a preliminary design complete with plans, specifications and an engineer's cost estimate.</p> <p>Key Tasks: Surveying of 10 city blocks, Hydraulic & Hydrologic Study, Drainage Improvement Project</p>	   
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2017	\$91,000	\$91,000

TEC Professional Services Questionnaire

PROJECT NO. 5

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Keystone of Galvez</p> <p>Galvez, LA</p> <p>Kevin Nguyen Keystone of Galvez, LLC (225) 698-1600</p>	<p>Keystone of Galvez is a residential subdivision located in the northern portion of Ascension Parish with a total of 932 lots. This project includes the design and construction of 7 miles of asphalt roadway. It included horizontal and vertical alignments, paving design, storm water detention facilities, sanitary sewer pump stations, grading, erosion control plan, and storm water pollution prevention plan.</p>  <p>The design and construction of a bridge on Timberstone Drive for Henderson Bayou was also included in the initial phase of the subdivision. QES designed several areas within the residential subdivision for residents to enjoy, such as walking trails and parks to play along the way.</p>  <p>Key Tasks: storm water detention, storm water pollution prevention, erosion control</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2021	\$671,000 (fee)	\$671,000

TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Chappepeela Watershed Study, Tangipahoa Parish</p> <p>Ms. Missy Cowart Tangipahoa Parish Government 206 E. Mulberry Street. PO Box 215 Amite, Louisiana 70422-0215</p>	<p>QES is awarded by Tangipahoa Parish to perform a comprehensive watershed study for a potential retention pond(s) project. Mr. Tong is the leading engineer to perform Gap Analysis, Data Acquisition, Hydrology and Hydraulics (H&H) Modeling & Analysis, Environment Review and Preliminary Engineering Study.</p> <p>KEY TASKS: Storm drainage, drainage calculations and drainage impact study.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Estimated Completion Date: June, 2022	\$120,000	\$120,000

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Eunice City Lake & Levee</p> <p>Contact retired Department of Wildlife & Fisheries 2000 Quail Drive, Baton Rouge, Louisiana 70898</p> <p>(225)765-2800</p>	<p>Quality Engineering & Surveying, LLC was hired by the Louisiana Department of Wildlife and Fisheries to provide surveying and engineering services on the Eunice City Lake Drainage and Levee Improvement Project.</p> <p>The scope of work included preliminary topographic surveying which consisted of cross sections of the existing levee system; hydrographic surveying along the banks of Eunice City Lake; locating geotechnical boring locations; as well as identifying and locating all existing utility and improvement locations. Also, the location and elevations of an existing pond flood control structure were measured so that it could be redesigned and moved to a more functional and accessible location.</p> <p>QES was also responsible for the design and construction of a levee system around the lake to assist with drainage waters from Bayou Cannes penetrating the ecosystem of the lake.</p> <div style="display: flex; justify-content: space-around; align-items: center;">     </div> <p>KEY TASKS: Surveying of 10 city blocks, Hydraulic & Hydrologic Study, Drainage Improvement Project</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2013	\$25,000 (fee)	\$25,000

TEC Professional Services Questionnaire

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Boudreaux to Gilmore Drainage Improvement Project</p> <p>St. Mary Parish Government</p> <p>Bo Lagrange 500 Main Street, 5th Floor, Franklin, LA 70538 (337) 828-4100</p>	<p>The Boudreaux Street to Gilmore Drive Drainage Improvements project will convert a 1,117 lineal feet earthen ditch into a subsurface drainage system that back-up and causes water to pond in a residential subdivision in which houses flood on a regular basis. In addition to drainage structures, additional pumps will be installed at the existing pump station to increase pumping capacity of the existing station.</p> <p>The project includes working with residents to determine what happens with drainage during rain events; completing surveying and hydraulic and hydrology studies; development of construction plans, bids and specifications. Resident inspection services during construction are also being performed.</p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%; text-align: center;">  </div> <div style="width: 50%; text-align: center;">  </div> <div style="width: 50%; text-align: center;">  </div> <div style="width: 50%; text-align: center;">  </div> </div> <p>KEY TASKS: Surveying of 10 city blocks, Hydraulic & Hydrologic Study, Drainage Improvement Project</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2012	\$98,000	\$98,000

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Marlyville-Fountainbleau Recovery Road Program</p> <p>Kenneth Bryant BFM Corporation</p> <p>534 Williams Boulevard, Kenner, LA 70062 (504) 468-8800</p>	<p>The Marlyville-Fountainbleau Recovery Roads program included multiple construction repair projects with a total estimated value of approximately \$8.9 million for roadway improvements. Design of the future road repairs was closely coordinated with the Sewerage and Water Board of New Orleans.</p> <p>Road resurfacing work was limited in some areas of Marlyville-Fountainbleau.</p> <p>The Sewerage and Water Board of New Orleans completed subsurface utility line improvements prior to the Department of Public Works' road repairs.</p> <p>Quality Engineering & Surveying was subcontracted to provide surveying services throughout this project during the design phase. The scope of the project includes locating all utilities, roadways, sidewalks, and driveways in over 80,000 linear feet throughout this suburb of New Orleans. All data is compiled using Louisiana Department of Transportation and Development coding system and post processing line work and points for the design of the project in computer aided drafting.</p> <div style="text-align: center;">  </div> <p>KEY TASKS: Topographic Survey of Roadways, Surface and Subsurface Drainage and Utilities, Sidewalks</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Completed on July, 2012	\$25,000	\$25,000

TEC Professional Services Questionnaire

PROJECT NO. 10					
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:				
<p>River Road Drainage Improvement</p> <p>Pontchatoula, LA Tangipahoa Parish</p> <p>Robby Miller Tangipahoa Parish Government P.O. Box 215 Amite, LA 70422</p>	<p>River Road is a local road in Ponchatoula, Tangipahoa Parish.</p> <p>It is located north of Highway 22, just west of the Tangipahoa River. It serves as the access road to Country Rivers Subdivision and multiple homes along River Road.</p> <p>During the 10-year storm events and higher, cross-drains get backed up by Tangipahoa River causing the water to get out of banks of two drainage ditches, flooding in the area and inundating River Road.</p> <p>The observed affected area is located north of Louisiana Highway 22 near and along River Road in Tangipahoa Parish, Louisiana. It is understood that the impacted area contains approximately seventy-two (72) single family residences, 52 of which will have no form of outlet once the area is inundated.</p> <p>To address flooding issues existing cross-drain culverts are proposed to be replaced with 72" RCP culverts with back flow preventers as well as raising the road approaches to the crossing locations. These improvements will reduce flooding to neighborhoods around and west of River Road and north of Highway 22 while also reducing the roadway flooding problem on River Road.</p> <p>KEY TASKS: Topographic Surveying, Civil Design, Drainage Improvement, HMGP, Hydraulic & Hydrologic Study and Analysis</p>				
	<p align="center">Estimated Cost:</p> <table border="1"> <thead> <tr> <th>Entire Project:</th> <th>Work for which Firm was Responsible:</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		Entire Project:	Work for which Firm was Responsible:	
Entire Project:	Work for which Firm was Responsible:				
<p>Completion Date (Actual or estimated):</p> <p>May 2020</p>					

TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

Parties		Status/Result of Case:
Plaintiff	Defendant:	
1. N/A	N/A	N/A
2. N/A	N/A	N/A
3. N/A	N/A	N/A
4. N/A	N/A	N/A

TEC Professional Services Questionnaire

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.

Wastewater and storm water engineering are specialties of ours. The two disciplines are extremely similar, and residential developers rely on the know-how of our engineers for their understanding of hydraulics, gravity drainage, and use of force main, gathering and distribution systems as well as water treatment and discharge.

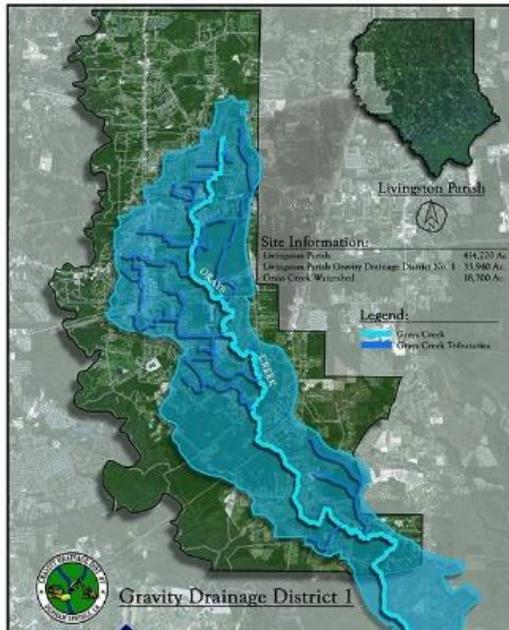
We often design and manage both the wastewater and storm water drainage systems for the large residential developments we design.

We also undertake the master planning and drainage design of some of our state's critical flood areas, including the gravity drainage districts in Livingston Parish and other south Louisiana regions.



Drainage at Breaux Bridge Manor, St. Martin Parish

QES was recently recognized by the American Council of Engineering Companies with their Excellence in Engineering Award for our innovative master drainage plan for the Denham Springs watersheds.



Award Winning Master Drainage Planning for Livingston Parish



Our master plan – based on thousands of survey measurements, stream profiling, identification of flow restrictions and comprehensive H&H analysis – included a complete list of recommended engineering and design improvements and projected results and costs.

TEC Professional Services Questionnaire

Combining our excellence in residential storm sewer design with our knowledge of drainage engineering – including master drainage planning and engineering for municipalities and parishes, makes us an excellent choice for your drainage project.



Locating, measuring and analyzing all culverts and restrictions, like this one on Gray's Creek in highly developed Denham Springs, are key to understanding regional drainage.

O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature:  **Print Name:** Deric Murphy, PE, LSI
Title: President **Date:** March 30, 2022