



March 29, 2022

Attention:
Parish of Jefferson
Purchasing Department

RE: Parish of Jefferson, Louisiana
Public Notice "SOQ 22-013"- Routine Engineering Services for Water 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 Water 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 the 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
WATER PROJECTS
MARCH 31, 2022



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:		
SOQ No. 22-013 "Routine Engineering Services for Water Projects" Resolution No. 138809		
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 ___ Architects (Licensed) ___ Chemical Engineers <u>7</u> Civil Engineers <u>1</u> Construction Inspectors ___ Ecologists ___ Electrical Engineers <u>5</u> Engineer Intern <u>2</u> Professional Land Surveyors	___ Estimators ___ Geologists ___ Geotechnical Engineers ___ Interior Designers <u>4</u> Landscape Architects <u>6</u> Land Surveyor ___ Mechanical Engineers ___ Environmental Engineers	___ Specification Writers ___ Structural Engineers ___ Graduate Engineers <u>9</u> Project Managers <u>6</u> Clerical <u>1</u> Grant/Funding ___ Sanitary Engineers <u>51</u> TOTAL
F. Is this submittal by a JOINT-VENTURE? Please check: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
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 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:	
Project Manager / 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 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 sewer systems, roadway/transportation, drainage, water line and site design.</p> <p>Bellacosa Subdivision, East Baton Rouge Parish Bellacosa Subdivision is a D.R. Horton residential development in East Baton Rouge Parish. Mr. Purser has overseen this project since QES took over after the completion of the first filing. QES designed the grading and infrastructure which includes drainage systems, sanitary sewer systems, and roads. Most of this design was done through master planning and coordination through City of Baton Rouge. This includes working with the City of Baton Rouge Subdivision office, Planning Commission, and Department of Environmental Services.</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Mr. Yunxiang Fan, PE Water Resource Engineering Department Manager
Project Assignment: Sewer System Design and Project Management, Stormwater Management, Drainage Study and System Design, Watershed Study, Riverine Hydraulics, etc.
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: 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, business development in the US and abroad. Strong cross-functional skills and business acumen with the ability to execute a wide range of tasks and increase revenues and profitability. <ul style="list-style-type: none">• 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.<ul style="list-style-type: none">• Experience in civil, municipal, land development engineering fields, especially water and sewer system design. Familiar with Parish, State and federal procedures, regulations, and ordinances.• Project development and execution for water and wastewater treatment plant design-build projects.• 2011, led the acquisition of J & Y Water, a private firm based in Wisconsin, which specialized in MVC and SWRO knowledge. J & Y generated over \$12 million in revenues within the following two years, including contracts from Nestle Bottled Water in the US, from Canada, Mexico, China, Qatar, and Saudi Arabia, etc.• 2003-2015 Selected projects while leading Tri-Tech, a private water management and design firm (Knowville, TN, Beijing China, Delhi, India)

TEC Professional Services Questionnaire

- **Water filtration plant** for Fairmount Hotel at Jasper National Park in Canada.
- **Water Treatment and Filtration plant** (utilize coagulation and flocculation, sand filtration, micro- and nano-filtration process with 200,000 cubic meters per day capacity) in Odors, China.
- **MVC desalination plant** (6000 cubic meters per day) in Qatar. The project was published under the title of “Tri-Tech tries out new markets for size” in GWI - Vol 13, Issue 2 (February 2012).
- **SIPCHEM Wastewater Reduction Program** – Zero Liquid Discharge System, Jubail, Saudi Arabia
- **MVC Zero-liquid-discharge system** for a paper & pulp plant in Canada.
-

Wastewater Treatment Plant – Atholville, New Brunswick: design and install evaporator system to convert black liquor wastewater (7000 GPM intake) to dry sulfite solids. Cost: \$2,987,828

Zero Liquid Wastewater Treatment Plant – Khobar, Saudi Arabia: design a Zero Liquid Wastewater Treatment Plant for one of SIPCHEM’s refinery plants. Design included pretreatment, oil removal, flocculation filtration, activated filtration, ultra-filtration, reverse osmosis, mechanical vapor compression. Cost : \$1,000,000 (fee only)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Yangbin Tong, PE, M ASCE
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
Active registration: Year first registered/discipline: Professional Engineer in Louisiana: 2021 / Civil Engineering
Other experience and qualifications relevant to the proposed Project: Mr. Tong has 8 years of experience in civil engineering design and analysis, including Hydrologic and Hydraulic Modeling and Analysis, Stormwater Management, Wastewater Treatment facility design, 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. New Pump Station and Sewer Force Main, Harveston Marketplace, Baton Rouge: Cost \$30,000 (fee) Wastewater Treatment Plants - Denham Springs, Livingston and Watson, 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, digesters, belt press system, chlorine chambers and hydraulic profile checks, lift stations, new force mains.

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:
<p>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.</p> <p>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</p> <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. <p>Development of Roads Network and Intersection at Alrawda Palace in Saif Bin Darwish (completed with previous firm) Responsibility: construction project management:</p> <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: 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>Water Treatment Plant – Three Train System turn-key project for Fairmont Hotels & Resorts in Jasper National Park, Alberta, Canada</p> <p>Owner's Information:</p> <p>Fairmont Jasper Park Lodge 1 Old Lodge Road Jasper, Alberta Canada</p> <p>[NOTE: Mr. Fan completed this work at previous firm]</p>	<p>Tri-Tech J&Y Division (J&Y) was selected by Hotels Oxford Group as a turn-key engineering contractor to design and install a water treatment plant at Fairmont Hotels & Resorts using three train UF membrane system using Dow SFD 2860 Ultrafiltration modules. The water treatment plant produces 990 cubic meter per day of drinking water for the entire Fairmont Hotels & Resorts at Jasper National Park by the beautiful Lake Louis. J&Y guaranteed the produced water meets the updated Drinking Water Standards of Alberta Province.</p> <div style="text-align: center;">  </div> <p>KEY TASKS: Water Treatment System</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Completed on July, 2012	US\$ 724,342.50	US\$ 724,342.50 Mr. Yunxiang Fan, PE was the Principal Engineer

TEC Professional Services Questionnaire

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Seawater Desalination Unit Doha, Qatar. Qatar Petrochemical (QAPCO) [NOTE: Mr. Fan completed this work at previous firm]	Qatar has no natural waterways and scarcity in fresh water, so almost all potable water and industrial processing water is de-salted seawater. Mr. Fan led the team to design and deploy a multiple effect thermocompression (MED-TC) desalination unit for the utility plant at Mesaieed Industrial City. Project included design, engineering, fabrication, commissioning, performance testing and on-site training for the 240 cu. meter per hour capacity unit. KEY TASKS: Drinking Water Treatment and Delivery	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Nov 2012	\$8.3 million	\$8.3 million

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Bellacosa Subdivison</p> <p>Baton Rouge, LA East Baton Rouge Parish</p> <p>Jake Lambert & Adam Kurz D.R. Horton (225) 664 - 1240 jdlambert@jrhorton.com</p>	<p>Bellacosa is a residential development containing 425 lots. The development is designed into four filings. QES designed the grading and infrastructure which includes drainage systems, sanitary sewer systems, and roads. Most of this design was done through master planning and coordination through City of Baton Rouge. This included working with the City of Baton Rouge Subdivision office, Planning Commission, and Department of Environmental Services.</p> <p>KEY TASKS: Sanitary Sewer Systems</p> <div style="text-align: center;">  </div>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
July 2020	\$1,242,000 (fee)	\$1,242,000

TEC Professional Services Questionnaire

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Cypress Reserve Subdivision</p> <p>Ponchatoula, LA Tangipahoa Parish</p> <p>Jake Lambert & Adam Kurz D.R. Horton (225) 664 - 1240 jdlambert@jrhorton.com</p>	<p>Cypress Reserve is a 268 acre single family residential community in Ponchatoula, LA. It is located off of LA Hwy 22 and LA Hwy 445. The design of this 671 home community embraced the challenge of working with wetlands by making them a central theme and highlight of the community. Seventy acres of open space and 27 acres of ponds are strung together throughout the site using the preserved wetlands as the backbone of the design creating recreational space in resident's back yards. This multi-disciplinary approach to design allows a strong identity and community feeling to thrive throughout the development. We designed the drainage, sewer and freshwater systems.</p> <div style="display: flex; justify-content: space-around;">   </div> <div style="display: flex; justify-content: space-around;">   </div> <p>KEY TASKS: Fresh Water, Drainage, Sewer</p>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2021	\$1,336,000 (fee)	\$1,336,000

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Zero Liquid Wastewater Treatment Plant – Basic Engineering Design</p> <p>Owner's Address: Mr. Abdullah Saadon, CEO SIPCHEM – Saudi International Petrochemical Company Khobar, Saudi Arabia</p> <p>[NOTE: Mr. Fan completed this work at previous firm]</p>	<p>Mr. Fan's Tri-Tech J&Y Division was selected as a primary engineering consultant by SIPCHEM to design the Zero Liquid Wastewater Treatment Plant for one of SIPCHEM's refinery plant.</p> <p>The ZLD System will consist of the following:</p> <ul style="list-style-type: none"> • Pretreatment System <ul style="list-style-type: none"> ○ Oil Removal System ○ Flocculation/Coagulation Filtration ○ Activated Filtration ○ Ultra-filtration • Reverse Osmosis System • Mechanical Vapor Compression (MVC) Systems Saudi International Petrochemical Company 	
		
	Key Tasks: Utility water	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013	\$1,000,000 (fee)	\$1,000,000 Mr. Fan was chief engineer for this project.

TEC Professional Services Questionnaire

PROJECT NO. 6		
Project Name, Location and Owner's contact	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: Sanitary sewer pump stations, storm water pollution prevention plan.</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. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Lake Villas</p> <p>Baton Rouge, LA East Baton Rouge Parish</p> <p>American Homeland, LLC Kevin Nguyen (225) 698-1600</p>	<p>Lake Villas is a 191-lot residential subdivision located in East Baton Rouge Parish along Ben Hur Boulevard between Burbank and Nicholson. This development was divided into two filings. QES designed and provided construction documents that included grading plans, horizontal and vertical alignments for over 5,400 linear feet of roads, storm drainage and sanitary sewer along with erosion control plans, drainage calculations and drainage impact study.</p> <p>KEY TASKS: Storm drainage, sanitary sewer</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2018	\$429,000 (fee)	\$429,000

TEC Professional Services Questionnaire

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Rose Gardens Subdivision</p> <p>Baton Rouge, LA East Baton Rouge Parish</p> <p>American Homeland, LLC Kevin Nguyen (225) 698-1600</p>	<p>Rose Gardens is located in southeast East Baton Rouge Parish on Tiger Bend Road with a total of 105 residential lots. This project included the design of over 3,100 linear foot of asphalt roadway and associated drainage and sewer networks. Not only was the horizontal and vertical design of the roadway, storm drainage and sewer system included in this, but also erosion control, grading plans, parking for mail kiosk site and storm water pollution prevention plan. Various off-site improvements were also made to improve drainage features downstream of the development.</p>  <p>KEY TASKS: Drainage and Sewer networks, Storm Water Pollution Prevention</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2017	\$225,000 (fee)	\$225,000

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Whispering Springs Subdivision</p> <p>Walker, LA Livingston Parish</p> <p>Jake Lambert & Adam Kurz D.R. Horton (225) 664 - 1240 jdlambert@jrhorton.com</p>	<p>Whispering Springs is a residential development of 976 lots. The development, in nine filings, lies alongside West Colyell and Beaver Creeks, which run through the development. QES designed the infrastructure, including drainage systems, sanitary sewer systems, utility systems such as water and gas, and roads. Most of this design was done through master planning and</p> <div style="display: flex; justify-content: space-around;">   </div>  <p>coordination through the various districts that govern the area. This includes working with Livingston Parish Sewer District #1 & #2 and Gravity Drainage District #2. Currently, infrastructure plans for later filings are currently underway or under review by the respective entities, and earthwork grading for those filings is taking place for the proposed development as well.</p> <p>KEY TASKS: Water, Gas, Drainage Systems, Sanitary Sewer Systems</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
July 2022	\$600,000 (fee)	\$600,000

TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Water Treatment Plant – Three Train System turn-key project for Fairmont Hotels & Resorts in Jasper National Park, Alberta, Canada</p> <p>Owner's Information:</p> <p>Fairmont Jasper Park Lodge 1 Old Lodge Road Jasper, Alberta Canada</p> <p>[NOTE: Mr. Fan completed this work at previous firm]</p>	<p>Tri-Tech J&Y Division (J&Y) was selected by Hotels Oxford Group as a turn-key engineering contractor to design and install a water treatment plant at Fairmont Hotels & Resorts using three train UF membrane system using Dow SFD 2860 Ultrafiltration modules. The water treatment plant produces 990 cubic meter per day of drinking water for the entire Fairmont Hotels & Resorts at Jasper National Park by the beautiful Lake Louis. J&Y guaranteed the produced water meets the updated Drinking Water Standards of Alberta Province.</p> <div style="text-align: center;">  </div> <p>KEY TASKS: Water Treatment System</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Completed on July, 2012	US\$ 724,342.50	<p>US\$ 724,342.50</p> <p>Mr. Yunxiang Fan, PE was the Principal Engineer</p>

TEC Professional Services Questionnaire

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Black Liquor Wastewater Treatment Plant</p> <p>Owner's Address:</p> <p>AV Cell Inc. 175 Mill Road Atholville, New Brunswick E3N 4S7</p> <p>[NOTE: Mr. Fan completed this work at previous firm]</p> <div style="text-align: center; margin-top: 20px;">  </div>	<p>Tr-Tech J&Y Division was selected as a Turn-Key contractor by AV Cell, Inc. to design and install a Black Liquor Wastewater Treatment Plant. The basic requirements are to provide sufficient evaporator capacity to permit the Mill to produce at least 380 air dry tons per day of pulp. At this pulp production, the evaporator system will process 655 t/d of sulfite liquor dry solids in concentrating a 14% feed to a 60% product. To achieve these objectives and meet the requirements, Tri-Tech proposes to furnish one new evaporator body for installation in place of the existing Stage C and D body. The recirculation flow in the new body will be approximately doubled to about 7000 GPM to provide about 3000 GPM in the 12.75 ft nearest the hot end, 2000 GPM in the next 12.75 ft, and 2000 GPM in the remaining 25.5 ft.</p> <div style="text-align: center; margin-top: 20px;">  </div> <p>KEY TASKS: Wastewater Treatment System</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013	US\$ 2,987,828	US\$ 2,987,828 Mr. Yunxiang Fan, PE was the Principal Engineer

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.

Fresh water and wastewater 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, use of force main, gathering and distribution systems as well as water treatment and discharge.

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

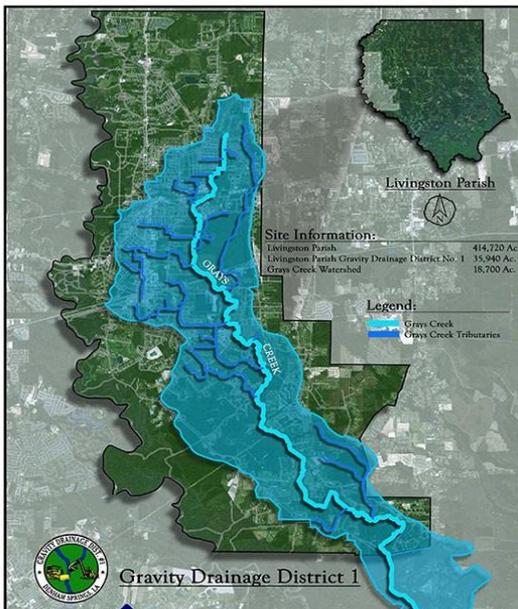
Our lead water engineers, Mrs. Fan and Tong have unique experience in both domestic and international water systems. They joined QES to help deliver to our customers the highest level of water system design.

Combining our excellence in residential sewer and water design with our team's knowledge of extremely diverse water systems allows us to bring to Jefferson Parish the ability to solve the water issues you are likely to face.

As a note; our knowledge of data collection and analysis, including hydraulic and hydrologic data, led to recognition as an award-winning engineering firm.



QES designed and constructed the saferoom for three pump stations in St. Mary Parish



Award Winning Master Drainage Planning for Livingston 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.



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

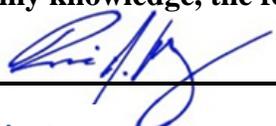


Desalination and Zero emission purification systems designed by QES's lead water engineer

From desalination, to purification of wastewater for use, to delivering water to thousands of residents, QES has produced solutions for our clients.

We stand ready to serve Jefferson Parish.

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