

Providing for the
Future



**SOQ No. 22-010: STATEMENT OF QUALIFICATIONS
ROUTINE ENGINEERING SERVICES FOR SEWER PROJECTS
JEFFERSON PARISH, LA**



Proposal # 2022-999-178



photo credits: The Times-Picayune, jeffparish.net, and Fox8live.com

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Sewer Projects
 Jefferson Parish, Louisiana
 SOQ No. 22-010

B. Firm Name & Address:

Providence Engineering and Environmental Group LLC
 2200 Veterans Boulevard, Suite 102
 Kenner, LA 70062

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:

Gary Leonards, P.E., Principal-In-Charge
 (504) 454-1710 garyleonards@providenceeng.com
 Louisiana License No. 30568

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.

Melanie B. Caillouet, P.E., Project Manager
 (504) 454-1710 melaniecaillouet@providenceeng.com
 Louisiana License No. 32936

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

<u>20</u> Administrative	<u>0</u> Estimators	<u>0</u> Specification Writers
<u>0</u> Architects (Licensed)	<u>3</u> Geologists	<u>0</u> Structural Engineers
<u>0</u> Chemical Engineers	<u>0</u> Geotechnical Engineers	<u>0</u> Graduate Engineers
<u>7</u> Civil Engineers	<u>0</u> Interior Designers	<u>10</u> Project Managers
<u>7</u> Construction Inspectors	<u>0</u> Landscape Architects	<u>4</u> Clerical
<u>2</u> Ecologists	<u>4</u> Land Surveyor (crew)	<u>0</u> Grant/Funding Specialist
<u>3</u> Engineer Intern	<u>1</u> Mechanical Engineers	<u>0</u> Sanitary Engineers
<u>1</u> Professional Land Surveyors	<u>2</u> Environmental Engineers	
<u>5</u> Draftsmen/AutoCAD	<u>23</u> Other: Env Scientist, Tech	<u>92</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.

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.

TEC Professional Services Questionnaire

1. **N/A**

2. **N/A**

H. Has this JOINT-VENTURE previously worked together? Please check: **N/A**

Yes No

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):
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:

Gary J. Leonards, P.E.
Principal

Project Assignment:

Project Engineer

Name of Firm with which associated:

Providence Engineering and Environmental Group LLC

Years' experience with this Firm: **17**

Education: Degree(s)/Year/Specialization:

BS / 1998 / Biological Engineering, Environmental Engineering Minor

Active registration: Year first registered/discipline:

2003 / Professional Civil Engineer / LA License No. 30568

Other experience and qualifications relevant to the proposed Project:

Gary Leonards has over 24 years of experience in civil engineering. His background includes design, studies, regulatory permitting, engineering oversight, field investigations, risk-based evaluations, and closure planning for various types of waste treatment and disposal facilities. Infrastructure project experience includes roadways, drainage systems, levees, water treatment facilities, sanitary sewer systems, pump stations, force mains, landfills, surface impoundments, oxidation ponds, solid and hazardous waste containment systems, municipal and commercial drainage studies, storm water runoff evaluations, storm water conveyance design, and erosion/runoff control measures. Mr. Leonards has prepared permit modifications, developed closure plans for waste disposal facilities, developed surface water and leachate management solutions, performed hydrogeological investigations, and oversaw geotechnical evaluations including settlement calculations, stability analysis and soil classification. In addition, his background includes water quality evaluations of restoration projects as well as reclamation of marsh and open water areas with dredge material. His solid waste background further includes remediation of underground storage tank/pipeline sites, Risk Evaluation/Corrective Action Program (RECAP), beneficial use/reuse of waste materials, development of Best Management Practice Plans (BMPs), and debris management following natural disasters. Mr. Leonards has been involved in several components of public transportation projects including environmental studies, project permitting and cost estimating, preliminary line and grade design, and construction quality assurance/quality control. Mr. Leonards has performed design and prepared various permit applications for wastewater collection and treatment infrastructure. He has been responsible for the surveying and design of both passive and active landfill gas extraction systems.

TEC Professional Services Questionnaire

Project Engineer/Project Manager: *Enterprise Marine Services, Sanitary Sewer System Upgrades.* Project engineer and project manager for the permitting, design, and installation of 13 sanitary lift stations, over 10,000 feet of HDPE force main and gravity mains, and connection to the Terrebonne Parish wastewater treatment system. The project involved a detailed survey of the facility and public right-of-way, design of the system upgrades based on anticipated uses, Terrebonne Parish, Louisiana Department of Health and Hospitals (LDHH), and Louisiana Department of Transportation and Development (LDOTD) permitting, construction oversight and project management. Providence was responsible for all parish coordination for the installation of approximately 2,500 linear feet of new force main along an existing state highway. Providence also prepared detailed construction budget estimates for the project for the facility to secure the necessary funding for the sanitary sewer system upgrades.

Project Engineer: *Esler Field Sewer and Oxidation Pond Upgrades, Rapides Parish, LA.* Design and installation of 2,507 linear feet of 8-inch PVC gravity sewer lines, 73 linear feet of 10-inch PVC gravity sewer lines, and eight manholes. Eleven manholes plugged and sealed; sewer lines in the manholes cut and plugged. Rehabilitation of six standard manholes. Installation of new chlorinator for 2,000 - 20,000 gallons per day (gpd) treatment and fabric curtain walls to separate an existing 1.3-acre oxidation pond.

Project Engineer: *Enterprise K/D/S Promix, LLC, Sanitary Treatment System Modifications, Ascension Parish, LA.* Design, permitting and construction oversight for modifications to sanitary wastewater collection and treatment system. Removal of three existing sanitary treatment plants and installation of three new, 300 gallon lift stations with 78 gpm submersible, non-clog pumps. Installation of a 500-gallon EQ tank with 78 gpm submersible, non-clog pump.

Project Engineer: *Town of White Castle, Wastewater Treatment Plant Upgrades, Iberville Parish, LA.* Oversight of technical specifications development, management of bidding process, construction and grant closure. Funded by Clean Water State Revolving Fund (CWSRF) and American Recovery and Reinvestment Act (ARRA).

Project Engineer: *State of Louisiana Military Department, Sewer Collection System Upgrades, Rapides Parish, LA.* Upgrades to the gravity flow sewer collection system at Esler Field Air Force Base. The project involved replacement of over 6,000 linear feet of gravity flow sewer lines, installation and rehabilitation of manholes, and modifications to the existing oxidation pond to increase retention time and treatment capacity.

Project Engineer: *Louisiana Department of Environmental Quality, East Baton Rouge Parish, LA.* Team leader for several pipeline and underground storage tank (UST) spills/releases in Louisiana. As the team leader, he was responsible for review of site analytical data, determining the applicable cleanup standards, implementation of the remedial plan, and ensuring the remedial plan was accomplished. This involved working in close relationship with staff geologist, environmental specialist, and public relations staff as well as the responsible party.

Project Engineer: *Louisiana Department of Environmental Quality, East Baton Rouge Parish, LA.* Oversaw the design and construction of over 30 Subtitle D landfill cells which included excavation, placement of a recompacted clay liner, installation of several layers of geosynthetics, installation of leachate collection and removal system, and the placement of protective cover. These cells ranged in size from 1 acre to over 30 acres. Construction Quality Assurance/Quality Control reports were also reviewed to ensure that the construction was in accordance with the approved permits.

TEC Professional Services Questionnaire

Name & Title:

**Melanie B. Caillouet, P.E.
Environmental Engineer**

Project Assignment:

Project Engineer / Project Manager

Name of Firm with which associated:

Providence Engineering and Environmental Group LLC

Years' experience with this Firm:

13

Education: Degree(s)/Year/Specialization:

BS / 2002 / Environmental Engineering

Active registration: Year first registered/discipline:

2007 / Professional Environmental Engineer / LA License No. 32936

Other experience and qualifications relevant to the proposed Project:

Melanie Caillouet is an engineer specializing in sewer, water, and minor pavement design. Ms. Caillouet has completed several sewer lift station rehabilitation projects extending from simple wet well recoating projects to complete replacements of all equipment and aboveground piping. She has designed complete sewer systems for subdivisions including gravity mains, sewer lift stations, treatment plants, and sewer force mains. Because of her permitting expertise, she also obtained LDH permitting for the design portion and LDEQ permits for the treatment plant discharges. Ms. Caillouet is also well versed in inflow/infiltration analysis and remediation efforts. These efforts included smoke testing, CCTV of mains and services, manhole level monitoring, cast-in-place pipe installation, and point repairs. She has expertise in wetland issues, mitigation matters, and Davis-Bacon and Related Acts (DBRA) compliance. In addition, she aids in the preparation of plans and specifications for grant compliance and assists during construction administration involving DBRA requirements. Ms. Caillouet has worked with the Coastal Protection and Restoration Authority (CPRA) for construction administration tasks that included DBRA requirements. She is also proficient in grant application and administration services for Community Development Block Grant (CDBG), Clean Water State Revolving Fund (CWSRF), Drinking Water State Revolving Fund (DWSRF), Louisiana Capital Outlay, and several smaller grant programs. In addition to assisting on civil projects, she also acts as Project Manager on many others and is the engineer on most of Providence's sewer, water, and sidewalk projects.

TEC Professional Services Questionnaire

Project Manager / Permitting: *Comeaux Drive Sewer Relocation and Lower Catherine Street Lift Station Renovation, Lockport, Lafourche Parish, LA.* This project consisted of the design, bidding, and construction administration of new gravity sewer lines to the Lower Catherine Street lift station, installed in the middle of the road and the abandonment of the existing mains located at the rear of the properties. Lift station improvements included installation of a new generator, two, 700 gpm self-priming pumps (2 million gallons per day (MGD)) and motors, pump control panel and wiring. The construction included 2,417 linear feet of 8-inch PVC gravity sewer, 220 linear feet of 12-inch PVC gravity sewer, 3-inch PE force main, and fifty-five, 6-inch sewer service tie-ins to serve 98 properties. Road construction was required to replace an entire lane and overlay the remaining lane. Providence's responsibilities included surveying, engineering design, plans/specifications, permitting, mechanical, electrical, construction cost estimating, construction administration and quality assurance.

Design / Permitting: *Sugar View Estates Subdivision, Phase 1, St. James Parish, LA.* Work consists of the construction of a 90-lot residential subdivision consisting of 25-foot-wide Portland cement concrete streets together with subsurface drainage, outfall ditch, water mains, fire hydrants, gravity sewer lines, sewer lift station, wastewater treatment plant, sewer force main, and light standards. The sewer system had to be designed to accommodate Phase 2 of the subdivision but yet operate properly while the homes were being built.

Project Manager / Permitting / Grant Manager: *Ashland Wetland Assimilation Discharge System, Terrebonne Parish, LA.* The project consisted of the design, bidding, and installation of approximately 1,620 linear feet of 24-inch-diameter discharge pipe by horizontally directional drill method, and 3,470 linear feet of 24-inch distribution pipe and 75 linear feet of ductile iron pipe at the discharge points by open cut. The discharge system included a precast concrete weir box/vault with flow meter, valves, fittings, and associated piping. The site work consisted of a concrete slab, limestone surface, timber-bridge with access fill, clearing and grubbing for a 4-wheel access pathway, site grading, and other items of related work.

Project Manager / Project Engineer / Permitting: *Lafayette Street Area Sewer Gravity Main Replacement, Terrebonne Parish, LA.* This project consisted of the replacement of seven blocks of sewer gravity mains with associated manholes and sewer services and the replacement of three manholes with waterline conflicts to eliminate those conflicts. Due to an ongoing LDOTD overlay project, this project was divided in two with the first portion being installed by the LDOTD contractor and the remaining portion to be bid by Terrebonne Parish Consolidated Government.

Project Manager / Project Engineer / Permitting: *Coteau Holding Basin Sewer Force Main Replacement, Terrebonne Parish, LA.* The project consisted of the design, bidding, and replacement of approximately 1,200 linear feet of existing 8-inch-diameter PVC sewer discharge force main from the Coteau/Bayou Blue Sewer Lift Station with 1,200 linear feet of new, 14-inch-diameter PE sewer force main using horizontal direction drilling, replacement of the 90 degree connection on the west end of the new PE pipe with two 45 degree elbows, and replacement of the 8-inch pipe from the east end of the new PE pipe with 14-inch PVC up to the existing 8-inch by-pass tee. This project included the boring of PE sewer force main in a wetland area that was minimized for the least amount of impacts to the environment.

Project Manager / Project Engineer / Permitting / Grant Manager: *Lockport Sewer Rehabilitation-Phase I-IV, Lafourche Parish, LA.* The project consisted of the design, bidding, and construction of repairing the sources of inflow and infiltration in the gravity sewer system in the Town of Lockport where determined during CCTV inspections. Several areas of the gravity mains had to be repaired due to damage that could not be fixed. All gravity sewer mains in the Town were lined with Cast-In-Place pipe and the manholes coated with a polyurea system. In addition, over twenty sewer services were videoed from the main to the property to determine if repairs were required. Any repairs noted in the videos were corrected. Some of the sewers were also lined.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Daniel Martin
AutoCAD Designer/Senior Draftsman

Project Assignment:

CAD Specialist

Name of Firm with which associated:

Providence Engineering and Environmental Group LLC

Years' experience with this Firm: 13

Education: Degree(s)/Year/Specialization:

1975 / Drafting

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Daniel Martin has more than 40 years of experience, working closely with design plans, and graphic presentation of complex items having distinctive design features that differ significantly from established drafting precedents. Mr. Martin analyzes effects of changes on the details of form, function, and positional relationships of components and parts. He is responsible for the preparation of construction drawings, including transferring field notes onto work drawings. He is also experienced in cost estimating and material takeoffs. Mr. Martin has also gained valuable field experience by working on a survey party for more than five years. He also has experience in operating Autocad Civil3d to create civil plans for water, gas, and drainage utilities. Mr. Martin specializes in CAD drafting of utilities, mainly sewer, water, and gas systems.

Drafting/CAD: South Central Planning and Development Commission (SCPDC), Comeaux Drive Sewer Relocation and Lower Catherine Street Lift Station Renovation, Lafourche Parish, LA. Design and construction administration of new gravity sewer lines to the Lower Catherine Street lift station. Lift station included new generator installation. Project also includes installation of two 700, gpm self-priming pumps (2 MGD) and motors, pump control panel and wiring, 2,417 linear feet of 8-inch PVC gravity sewer, 220 linear feet of 12-inch PVC gravity sewer, 3-inch PE force main, and fifty-five, 6-inch sewer service tie-ins to serve 98 properties. Included LCDBG application assistance, surveying, engineering design, plans/specifications, permitting, mechanical, electrical, construction cost estimating, construction administration and quality assurance.

Drafting/CAD: Terrebonne Parish Consolidated Government, Westside Boulevard Major Sewer Lift Station, Parish Project No. 10-SEW-94, Terrebonne Parish, LA. Design of a major lift station to serve the expanding commercial area along Martin Luther King Boulevard and Westside Boulevard. Pump station designed and sized for vertical submersible pumps with an ultimate capacity of 4,000 gpm (5.8 MGD) and initial capacity of 2,000 gpm. Hydraulic analysis was conducted for new pump sizing. Also included electrical design for controls and SCADA/telemetry system. A master layout was prepared to assist in long-term planning for future expansion.

TEC Professional Services Questionnaire

Drafting/CAD: *Disposal Plant and Willow Street Sewer Lift Station Renovations, Parish Project No. 10-SEW-44, Terrebonne Parish, LA.* The project included the design, bidding, and re-construction and renovations including the removal of current building and all aboveground piping, cleaning, coating, and reconfiguration of the wetwell, installation of new 2,000 gpm (2.8 MGD) submersible pumps, along with renovation of two pumps to be submersibles. Services further entailed SCADA/telemetry design, hydraulic analysis for new pump sizing, design and installation of electrical controls with hook-ups for emergency power and all related work.

Drafting/CAD: *Dickson Road and Roland Sewer Lift Station Improvements, South Coast Industrial Area, Parish Project No. 10-EDA-30, Terrebonne Parish, LA.* Scope of work included design and bidding services, and construction administration for the construction of gravity and force main sewer system lines from Dickson Road to the intersection of Thompson Road and Denley Road. System lines entailed installation of two sewer lift stations (Dickson and Roland) with submersible pumps and over 8,000 linear feet of force main using conventional bore, tunneling, and open cut methods. Related work included sewer manholes, air release valves, fittings, and tie-in to the existing manhole, as well as associated items.

Drafting/CAD: *Ashland Major Sewer Force Main Construction, Task 3, Parish Project No. 06-SEW-14, Terrebonne Parish, LA.* Provided drafting support for the design of a new, 16,200-foot sewer force main to tie into the newly constructed Ashland Major Sewer Lift Station, which discharges into the South Terrebonne Wastewater Treatment Plant south of St. Louis Canal. The pipeline was installed by both open cut and horizontal directional bore methods. Thirty-inch diameter polyethylene (PE) was used for the horizontal directional bores. The project also included 30-inch-diameter air release valves, and ductile iron pipe and fittings to complete tie-ins.

Drafting/CAD: *Westside Boulevard Phase 2 (Westside Boulevard to North Terrebonne Wastewater Treatment Plant), Parish Project No. 99-EXT-58, Terrebonne Parish, LA.* Provided drafting assistance for the design of a sewer force main from East Park Avenue at Westside Boulevard to the intake manifold at the North Terrebonne Wastewater Treatment Plant. Project also included the installation of approximately 6,130 linear feet of 18-inch diameter sewer force main pipe installed by horizontal directional drilling and conventional bore, along with air release valves, fittings, and tie-ins to the existing 12-inch sewer force main pipe and treatment plant intake manifold.

Drafting/CAD: *Terrebonne Parish Consolidated Government, Redirect Sewer Force Main James Road to Patriot Point Sewer Lift Stations and Replace Pile Bents at S.T.W.W.T.P., Terrebonne Parish, LA.* The project consists of two project sites: 1. The construction of 2,200 linear feet of 6-inch diameter sewer force main from the James Road Sewer Lift Station to the Patriot Point Sewer Lift Station. The replacement of four existing timber pile bents with new concrete pile bents for three aerial sewer force mains and the replacement of the existing 18-inch PCC sewer force main pipe with 18-inch ductile iron pipe (complete) crossing Bayou Chauvin adjacent to Ashland Landfill Road at the South Terrebonne Wastewater Treatment Plant.

Drafting/CAD: *Terrebonne Parish Consolidated Government, Re-Routing of the Village East Sewer Lift Station Force Main, Terrebonne Parish, LA.* Construction of the sewer force main from the renovated Village East Sewer Lift Station to an existing sanitary sewer brick manhole at Bayou Chauvin. The work consisted of installing approximately 2,660 linear feet of 12-inch-diameter sewer force main pipe by directional bore and open cut methods using Polyethylene (PE), Fusible Polyvinylchloride (FPVC), and/or C-900, PVC Bell and Spigot pipe along with valves, fittings and tie-ins to existing 12-inch A.C. pipe, C-900 pipe, and a brick manhole, along with site grading and any other incidental work.

Drafting/CAD: *Town of Lockport, Lockport Sewer Rehabilitation-Phase I-IV, Lafourche Parish, LA.* Work consisted of repairing the sources of inflow and infiltration in the gravity sewer system in the Town of Lockport where determined during CCTV inspections. These repairs included, cast-in-place pipe, coating of manholes and point repairs. Replacement of pipe using open cut methods, and other required items of work in connection therewith, may be required if mechanical cleaning damages existing sewer gravity mains. Some road replacement will be required where open cut replacements are made within the roadway.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

**Terral J. Martin, Jr., P.L.S.
Survey Manager**

Project Assignment:

Land Surveyor / Survey Manager

Name of Firm with which associated:

Providence Engineering and Environmental Group LLC

Years' experience with this Firm: 13

Education: Degree(s)/Year/Specialization:

**BS / 2008 / Applied Sciences in Geomatics
AOS / 1997 / Civil Drafting and Design**

Active registration: Year first registered/discipline:

**2009 / Professional Land Surveyor / LA License No. 5030
2011 / Professional Land Surveyor / MS License No. 3224
2013 / Professional Land Surveyor / TX License No. 6421**

Other experience and qualifications relevant to the proposed Project:

Terral Martin has extensive experience in computing and compiling surveys for local government and state agencies. He has worked with many government entities including, but not limited to, LDOTD, U.S. Army Corps of Engineers, and U.S. Navy (Belle Chasse Air Base) on multiple surveying projects that included: compiling survey data in many formats, using field data to complete procedures, performing survey calculations, courthouse research, preparing field rolls, plotting plan and profile sheets, preparing servitude and legal documents, 3D modeling, and mapping. Mr. Martin has considerable expertise in topographic surveys, boundary surveys, route surveys, hydrographic and pipeline surveys, right-of-way and construction surveys. As department manager, he is responsible for scheduling and oversight of all field and office work.

Land Surveyor: *Ashland Major Sewer Lift Station, Houma, Terrebonne Parish, LA.* Boundary, topographic and construction layout for the sewer lift station site. Station houses three, new 5,000 gpm submersible pump stations with associated piping.

Land Surveyor: *Westside Boulevard Major Sewer Lift Station, Houma, Terrebonne Parish, LA.* Boundary and topographic surveying for design of a major lift station to serve the expanding commercial area along Martin Luther King Boulevard and Westside Boulevard. The pump station was designed and sized for vertical submersible pumps with an ultimate capacity of 4,000 gpm (5.8 MGD) and initial capacity of 2,000 gpm. Hydraulic analysis was conducted for new pump sizing. Also included in the project was the electrical design for controls and SCADA/telemetry system. A master layout was prepared to assist in long-term planning for future expansion.

TEC Professional Services Questionnaire

Land Surveyor: *Village East Sewer Lift Station Renovations, Houma, Terrebonne Parish, LA.* Topographic site survey for design, bidding, and renovations to the existing lift station consisting of a dry pit and two wetwells. Modification of one wetwell to house two new 5,000 gpm submersible pumps (14.4 MGD) and associated discharge piping while using the second wet well for additional storage capacity was included in the project. The project also included permitting, hydraulic analysis, new electrical equipment, installation of new sewer pipe and tie-ins to existing sewer force mains, new concrete slab, fencing and other related items.

Land Surveyor: *Comeaux Drive Sewer Relocation and Lower Catherine Street Lift Station Renovation, Lockport, Lafourche Parish, LA.* Design of new gravity sewer lines installed parallel to existing ones. Project also includes installation of two 700 gpm self-priming pumps (2 MGD) and motors, pump control panel and wiring, 2,417 linear feet of 8-inch PVC gravity sewer, 220 linear feet of 12-inch PVC gravity sewer, 3-inch PE force main, and 55 6-inch sewer service tie-ins to serve 98 properties.

Land Surveyor: *Re-Routing of Village East Sewer Lift Station Forcemain, Terrebonne Parish, LA.* The project consisted of the design, bidding, and construction of the sewer force main from the renovated Village East Sewer Lift Station to an existing sanitary sewer brick manhole at Bayou Chauvin. The work consisted of installing approximately 2,660 linear feet of 12-inch-diameter sewer force main pipe by directional bore and open cut methods using Polyethylene (PE), Fusible Polyvinylchloride (FPVC), and/or C-900, PVC Bell and Spigot pipe along with valves, fittings, and tie-ins to existing 12-inch A.C. pipe, C-900 pipe, and a brick manhole, along with site grading and any other incidental work.

Land Surveyor: *Ashland Major Sewer Force Main, Task 3, Houma, Terrebonne Parish, LA.* Topographic route survey and construction layout design and construction administration of new, 16,200-foot sewer force main tying into the newly constructed Ashland Major Sewer Lift Station which discharges into the South Terrebonne Wastewater Treatment Plant south of St. Louis Canal. Pipeline was installed by both open cut and horizontal directional bore methods. Thirty-inch diameter polyethylene (PE) was used for horizontal directional bores.

Land Surveyor: *Lockport Sewer Rehabilitation-Phase I-IV, Lafourche Parish, LA.* The project consisted of the design, bidding, and construction of repairing the sources of inflow and infiltration in the gravity sewer system in the Town of Lockport where determined during CCTV inspections. Several areas of the gravity mains had to be repaired due to damage that could not be fixed. All the gravity sewer mains in the Town were lined with Cast-In-Place pipe and all the manholes coated with a polyurea system. In addition, over twenty sewer services were videoed from the main to the property to determine if repairs were required. Any repairs noted in the videos were corrected. Some of the services were also lined. By surveying all the manholes in Town, an updated set of master record drawings were developed for future use.

Land Surveyor: *Dickson Road Sewer Improvements, Southcoast Industrial Area, Houma, Terrebonne Parish, LA.* Topographic site survey and preparation of right-of-way plats and descriptions for design and construction of gravity and force main sewer system lines. Other project items include installation of two sewer lift stations with submersible pumps and over 8,000 linear feet of force main using conventional bore, tunneling, and open cut methods.

Land Surveyor: *Sugar View Estates Subdivision, Phase 1, St. James Parish, LA.* Work consists of the construction of a 90-lot residential subdivision consisting of 25-foot-wide Portland cement concrete streets together with subsurface drainage, outfall ditch, water mains, fire hydrants, gravity sewer lines, sewer lift station, wastewater treatment plant, sewer force main, and light standards. The sewer system had to be designed to accommodate Phase 2 of the subdivision but yet operate properly while the homes were being built.

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>WESTSIDE BOULEVARD MAJOR SEWER LIFT STATION</p> <p>Terrebonne Parish, LA</p> <p>Terrebonne Parish Consolidated Government PO Box 2768 Houma, LA 70361</p> <p>Gregory Bush (985) 873-6539</p>	<p>The main items of the lift station consisted of installing a wetwell with the capacity to contain three 4,000 gpm submersible pumps/bays and associated piping, valves, and fittings (two in this project and one future), power and control panels with external VFD's, an enclosed emergency generator with a self-contained diesel tank, and a 30-foot self-supporting antenna. The site work consisted of installing two sanitary sewer manholes, gravity, and force main sewer pipes to the wetwell, a tie-in to the existing sewer manhole, along with a perimeter aluminum ornamental fence with gates and brick columns, concrete pavement and drive, site grading and other items of related work.</p> <div style="text-align: right; margin-top: 20px;">  </div>	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2013 (A)	\$1,536	\$183

TEC Professional Services Questionnaire

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>COMEAX DRIVE SEWER RELOCATION AND LOWER CATHERINE STREET SEWER LIFT STATION</p> <p>Lafourche Parish, LA</p> <p>Town of Lockport 710 Church Street Lockport, LA 70361</p> <p>Edward Reinhardt (985) 532-3117</p>	<p>Work consisted of furnishing all labor, equipment and materials necessary for the installation of 2,417 linear feet of 8-inch PVC gravity sewer, 220 linear feet of 12-inch PVC gravity sewer, 62 linear feet of 3-inch PE force main and fifty-five 6-inch sewer service tie-ins to serve ninety-eight properties along Comeaux Drive; construction of asphaltic concrete overlay after required patching on Comeaux Drive; and renovations to the Lower Catherine Street Sewer Lift Station, which included recoating the wetwell, furnishing and installing two self-priming pumps and motors, pump control panel and associated power and control wiring for a 480V, 3ø, 4W, 200AMP service. Modifications were necessary to change the existing 120/240V service to 277/480V.</p> <div style="text-align: center; margin-top: 20px;">  </div>	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
2011 (A)	Entire Project:	Work for which Firm was Responsible:
2011 (A)	\$1,131	\$112

TEC Professional Services Questionnaire

PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>SEWER STANDARD DETAILS</p> <p>Terrebonne Parish, LA</p> <p>Terrebonne Parish Consolidated Government PO Box 2768 Houma, LA 70361</p> <p>Gregory Bush (985) 873-6539</p>	<p>This project included the development a set of standard details for the construction of gravity sewers in Terrebonne Parish, LA. These standards were adopted for use in private developments as well as capital projects for the Parish.</p>	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2016 (A)	N/A	\$8

PROJECT NO. 4

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>ASHLAND WETLAND ASSIMILATION DISCHARGE SYSTEM</p> <p>Houma, LA</p> <p>Terrebonne Parish Consolidated Government PO Box 2768 Houma, LA 70361</p> <p>Gregory Bush (985) 873-6841</p>	<p>The scope of the work consisted of installing approximately 1,620 linear feet of 24-inch diameter discharge pipe by horizontally directional drill method, and 3,470 linear feet of 24-inch distribution pipe and 75 linear feet of ductile iron pipe at the discharge points by open cut. Five discharge points are valved so the flow can be controlled and directed to wetlands that need more fresh water and nutrients. The discharge system included a precast concrete weir box/vault with flow meter, valves, fittings and associated piping. The site work consisted of a concrete slab, limestone surface, timber-bridge with access fill, clearing and grubbing for a 4-wheel access pathway, site grading, and other items of related work.</p>	
		
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2017 (A)	\$2,188	\$437

TEC Professional Services Questionnaire

PROJECT NO. 5

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>LOCKPORT SEWER REHABILITATION-PHASES I-IV</p> <p>Lockport, LA</p> <p>Town of Lockport 710 Church Street Lockport, LA 70374</p> <p>Edward Reinhardt (985) 532-3117</p>	<p>Work consisted of repairing the sources of inflow and infiltration in the gravity sewer system in the Town of Lockport where determined during CCTV inspections. These repairs included, but were not limited to, cast-in-place pipe, coating of manholes, and point repairs. Replacement of pipe using open cut methods, and other required items of work in connection therewith, were required in some areas. Some road replacement was also required where open cut replacements were made within the roadway.</p>	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2019 (A)	\$4,000	\$1,000

PROJECT NO. 6

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>SUGAR VIEW ESTATES SUBDIVISION, PHASE 1</p> <p>Vacherie, LA</p> <p>Richard Reulet, Jr. 23185 Reulet Road Vacherie, LA 70090</p> <p>Gregory Bush (225) 206-1611</p>	<p>Work consists of the construction of a 90-lot residential subdivision consisting of 25-foot-wide Portland cement concrete streets together with subsurface drainage, outfall ditch, water mains, fire hydrants, gravity sewer lines, sewer lift station, wastewater treatment plant, sewer force main, and light standards. The sewer system had to be designed to accommodate Phase 2 of the subdivision but yet operate properly while the homes were being built.</p>	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2021 (A)	\$1,458	\$102

TEC Professional Services Questionnaire

PROJECT NO. 7

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
COTEAU HOLDING BASIN SEWER FORCE MAIN REPLACEMENT Terrebonne Parish, LA Terrebonne Parish Consolidated Government PO Box 2768 Houma, LA 70361 Gregory Bush (985) 876-6541	The project consisted of replacing approximately 1,200 linear feet of existing 8-inch-diameter PVC sewer discharge force main from the Coteau/Bayou Blue Sewer Lift Station with 1,200 linear feet of new 14-inch diameter PE sewer force main using horizontal direction drilling, replacing a 90 degree connection on the west end of the new PE pipe with two 45-degree elbows, and replacing the 8-inch pipe from the east end of the new PE pipe with 14-inch PVC up to the existing 8-inch by-pass tee according to construction documents together with other associated items of work.	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2018 (A)	\$260	\$49

PROJECT NO. 8

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
RECOATING OF TEN SEWER LIFT STATIONS St. Mary Parish, LA St. Mary Parish Water and Sewer Commission No. 2 P. O. Box 635 Patterson, LA, 70392 Chris Cooper (985) 395-2747	St. Mary Parish Water and Sewer Commission No. 2 is responsible for ten sewer lift station (SLS) throughout the village of Bayou Vista. Four of the SLSs have aboveground pumps while the other six are submersible pump stations. The wetwells were coated using an epoxy coating that began to fail after about 10 years in service. This project removed the epoxy coating, made any repairs necessary and then recoated with a polyurea coating system.	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2020 (A)	\$191	\$26



Before



After

TEC Professional Services Questionnaire

PROJECT NO. 9

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>LAFAYETTE STREET AREA SEWER GRAVITY MAIN REPLACEMENT</p> <p>Terrebonne Parish, LA</p> <p>Terrebonne Parish Consolidated Government PO Box 2768 Houma, LA 70361</p> <p>Gregory Bush (985) 876-6541</p>	<p>This project consisted of the replacement of seven blocks of sewer gravity mains with associated manholes and sewer services and the replacement of three manholes with waterline conflicts to eliminate those conflicts. Due to an on-going LDOTD overlay project, this project was segregated into two parts with the first portion being installed by the LDOTD contractor and the remaining portion was bid by Terrebonne Parish Consolidated Government.</p>	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2018 (A)	\$2,004	\$343

PROJECT NO. 10

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>GUM STREET SEWER LIFT STATION</p> <p>Terrebonne Parish, LA</p> <p>Terrebonne Parish Consolidated Government PO Box 2768 Houma, LA 70361</p> <p>Gregory Bush (985) 873-6541</p>	<p>The project consisted of, but was not limited to, renovating this three-level (ground level, sublevel 1, and sublevel 2) sewer lift station by adding to the motor control center, adding a 4th pump, modifying the control panel, replacing the generator and automatic transfer switch, installing a limestone driveway, adding bypass pumping fittings, replacing doors, adding a door, and modifying louvers.</p>	
Completion Date (Actual or Estimated):	Estimated Cost (in thousands):	
	Entire Project:	Work for which Firm was Responsible:
2016 (A)	\$925	\$107

TEC Professional Services Questionnaire

M. List all prior and/or ongoing litigation between Firm and Jefferson Parish. Please attach additional pages, if necessary.

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

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

Providence is a full-service engineering consulting firm with a team of experienced professional engineers and support staff possessing exceptional credentials. We have professionals with decades of experience solving engineering challenges unique to the Gulf Coast and South Louisiana region, as well as many young engineers fully trained in the latest technology and software available. Our firm and its predecessors have provided engineering and architectural services in Louisiana, Mississippi, and Texas for over 67 years and we have provided engineering and design services for many sewer projects.



Providence has extensive experience in civil engineering, including design, permitting, environmental services, and construction administration for multiple types of projects including sewerage, utilities, roadways, and others. Our clients include many federal and state agencies as well as many Louisiana parishes. Our client list includes, but is not limited to, the following:



Providence has the stability, sustainability, and experience to support **Jefferson Parish** and provide immediate engineering, surveying, and/or environmental assistance as needed. With nearly 100 employees, our team of professionals represents a broad spectrum of disciplines, including civil, structural, electrical, and environmental. The professionalism, technical abilities, and commitment to quality of our multidisciplinary team enable us to serve our clients with the highest degree of expertise and project support.

Professional Experience

Providence recognizes the importance of hiring the best professionals in the field to provide our clients with exceptional service. Key personnel proposed for this project are well known throughout Louisiana and have considerable experience working on sewer projects. They also have solid relationships with state and federal agencies potentially associated with this project.

The Providence team is eager and prepared to provide **Jefferson Parish** with high quality deliverables, such as sewer design plans, specifications, bid documents, construction administration, technical reports, and progress reports.



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. *(continued)*

Providence has ample staff to handle our current workload and complete projects under this contract in a timely manner. Our engineers and their support staff are continually developing innovative ways to achieve client goals while staying within budget and meeting critical deadlines.

We pride ourselves on consistently turning over high-quality deliverables in a timely manner. Our firm is also comfortable handling fast paced and sometimes controversial projects along with those having tight deadlines.

Quality Assurance

For Providence, quality and attention to detail are paramount. Our quality assurance and quality control program ensures projects fulfill predetermined requirements, can be physically accomplished as designed in the specified time given, and bid reasonably within the engineer's estimate. Quality is further achieved by individuals performing work functions carefully and conforming their efforts to project requirements under standardized field and office procedures. Both the originator of the work and the person responsible for checking the work are identified. A series of reviews occurs at various project stages to determine if project development meets the project requirements.

Our firm can and will meet any reasonable period of performance required by this project. Moreover, Providence prides itself on delivering quality results that are on schedule and minimize or eliminate cost escalations and overruns through use of project work plans, proactive communication skills, and teamwork.

Past Performance

Providence has considerable experience in the planning, design, and construction administration of sewer projects. Below is a list of representative projects we have completed and/or are currently working on. These include those projects outlined in more detail in Section 8 of the Jefferson Parish Questionnaire:

- Westside Blvd. Major Sewer Lift Station
- Comeaux Drive Sewer Relocation and Lower Catherine Street Sewer Lift Station
- Sewer Standard Details
- Ashland Wetland Assimilation Discharge System
- Lockport Sewer Rehabilitation Phases I - IV
- Sugar View Estates Subdivision, Phase 1
- Coteau Holding Basin Sewer Force Main Replacement
- Redirect Sewer Force Main - James Road to Patriot Point Sewer Lift Stations and Replace Pile Bents at S.T.W.T.P.
- Lafayette St. Area Sewer Gravity Main Replacement
- Gum Street Sewer Lift Station

Location

Providence employs a staff of engineers and support personnel with an office in Jefferson Parish at 2200 Veterans Boulevard, Suite 102, Kenner, Louisiana. In addition, we have neighboring offices in Baton Rouge and Houma to provide additional resources as needed. Our local presence in Jefferson Parish and extensive knowledge of the area brings added value to our team.

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. *(continued)*

Prior Successes

Providence has previously provided extensive engineering services to Jefferson Parish. We look forward to continuing a relationship with Jefferson Parish. Below is a list of projects that Providence has provided engineering services for in Jefferson Parish:



- Hero Drainage Pump Station
- 18th St. Drainage - Metairie
- Upstream Drainage Improvement
- Hero Pump Station Switchgear
- New York Avenue Improvements (West Metairie Avenue To Van Buren Avenue), Paving, Drainage, Water, And Sewer Improvements
- Sewer Minisystems East of Harvey Canal
- Bainbridge Waterline
- Elmwood Pump Station No. 3 - Automatic Transfer Switch
- Sewer Minisystems East of Harvey Canal
- District 4 ISTEBA Beautification Projects Along I-10
- District 5 ISTEBA Beautification Projects - Median & Right of Way Planting @ Earhart, Clearview, Airline Park
- District 6 ISTEBA Beautification Projects
- Jefferson Highway Crossing at Upstream St. Permit Coordination
- Edenborn Drainage Improvements
- 18" Waterline from Veterans to 25th St. Ditch
- 18th St. Drainage Modification Re-work
- West Esplanade/No. Labarre Road Intersection Improvements
- West Metairie Avenue/Haring Road Intersection Improvements
- Installation and/or Removal of Fire Hydrants and Water Valves on the East Bank of Jefferson Parish

We are currently providing construction administration services for Oakwood Smart Growth – Hector Avenue Improvements.

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

Signature: _____

Print Name: Gary J. Leonards, P.E.

Title: _____

Principal-In-Charge

Date: _____

March 25, 2022

**PROVIDENCE ENGINEERING AND
ENVIRONMENTAL GROUP LLC**

LICENSES AND CERTIFICATIONS



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 7/20/2021, the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Gary Jules Leonards
1746 Ridgeland drive
Baton Rouge, LA 70810

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Gary Jules Leonards		
License/Certificate Type - Number	Expiration Date	
PE.0030568	03/31/2023	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

Fold Here

Cut Here

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer

All information provided by LAPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LAPELS.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 2/21/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Ms. Melanie B. Caillouet
1297 St. Charles Street, Suite H
Houma, Louisiana 70360

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Ms. Melanie B. Caillouet		
License/Certificate Type - Number	Expiration Date	
PE.0032936	03/31/2023	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

Fold Here

Cut Here

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer

All information provided by LAPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LAPELS.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 2/21/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Terral John Martin Jr.
168 Tutty Loop
Houma, Louisiana 70363

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Terral John Martin Jr.		
License/Certificate Type - Number	Expiration Date	
PLS.0005030	03/31/2024	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

Fold Here

Cut Here

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer

All information provided by LAPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LAPELS.