

Proposal & Statement of Qualifications for
Professional Services for 2025
**#01 Engineering Services – Water Division &
#02 Engineering Services - Solid Waste Division**



Submitted to:

Morris County Municipal Utilities Authority
370 Richard Mine Road
Wharton, NJ 07885
Attn: Larry Gindoff, Executive Director



ORIGINAL



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January 28, 2025

Mr. Larry Gindoff, Executive Director
Morris County Municipal Utilities Authority
370 Richard Mine Road
Wharton, NJ 07885

RE: Proposal and Statement of Qualifications for Professional Services for 2025
#01 Engineering Services – Water Division &
#02 Engineering Services - Solid Waste Division
FPA No. 14544

Dear Mr. Gindoff:

The **Morris County Township Municipal Utilities Authority (MCMUA)** is committed to maintaining the health, safety, and wellbeing of the community, customers, business owners, and visitors, as well as improving their quality of life. The MCMUA's dedication to owning, operating, and maintaining its infrastructure in a diligent and fiscally responsible manner is apparent. However, in these challenging times, it has become more difficult to do more with less. As such, the Authority has issued a Request for Proposals (RFP) for the provision of Professional Services for 2025.

French & Parrello Associates (FPA) has the experience, skilled personnel, and resources to provide the MCMUA with the services required in an efficient and cost-conscious manner. With a reputation of technical excellence and responsiveness built on 50 years of success, FPA's long-lasting client relationships have been cultivated through the dedication of our professionals and bolstered by our technical expertise, wide range of services, and commitment to client satisfaction. FPA is a leader in water supply, solid waste management, environmental services, engineering evaluation and design, regulatory permitting, bid phase services, and engineering services during construction. FPA's talented and experienced staff and overall track-record of success and experience will allow us to provide the level of service expected by the Authority to help deliver tasks and projects on time and on budget.

FPA and members of our team have had considerable experience working with Municipal Utilities Authorities over the last four decades, in various capacities. This provides us with much insight into the protocols and procedures required to provide consulting services to the MCMUA. We have knowledge about the Authority's water division and their mission to provide clean potable water at a wholesale level to local distribution systems. Additionally, we know that the solid waste division is responsible for sound planning, source reduction, recycling, disposal, HHW, vegetative waste and litter prevention throughout Morris County. Our experience with similar facilities throughout the State and region will allow us to efficiently and effectively serve the engineering needs of the Authority in 2025.

We are dedicated to bringing exceptional service and value to each project through focus, timely response, and innovative solutions. FPA is uniquely qualified to provide engineering services in many of the required disciplines included under this prequalification. Our firm is an industry leader in geotechnical, structural engineering, solid waste management, building services and site/civil projects and we have recently enhanced and expanded our service offerings in utilities with focus on water supply and wastewater engineering. Additionally, we have extensive experience implementing projects that have received federal and state funding through various programs and we are



familiar with FEMA BRIC and New Jersey's Infrastructure Bank (I-Bank) and their utility and transportation funding and financing programs.

FPA is excited for the opportunity to serve the MCMUA in 2025 and we propose to assign Mr. Eric C. Betz, PE, BCEE, CME, Vice President and Director of Infrastructure, to serve as the Primary Point of Contact and Lead Representative for FPA's relationship with the Authority. With more than 30 years of experience, Mr. Betz's expertise includes providing consulting engineering services to local governments, municipal and regional utilities authorities, counties, water companies, state agencies, and private clients. A specialist in water and wastewater engineering, Mr. Betz is thoroughly well-rounded with experience in transportation, the built environment, and energy. While working for his former employer, Mott MacDonald (f/d/b/a Hatch Mott MacDonald and E.T. Killam Associates), where he worked for 29 years, he designed, managed, and provided oversight for infrastructure projects of varying magnitudes and levels of complexity. Mr. Betz will be supported by FPA's experienced subject matter experts from our other required disciplines. The firm's qualifications and experience are highlighted in Section 2, and an organization chart and resumes for the key resources who will be assigned to deliver tasks and projects are included in Section 3 of our Proposal.

FPA will manage this contract from our regional Hackettstown, NJ office, which is located only 18 miles from the Authority's Administrative Office, with support from our diverse support teams which are located in our corporate headquarters in Wall Township, NJ. This proximity enables us to be responsive and readily available to address any matters that may come up in a timely manner.

FPA has reviewed the qualification requirements contained in the MCMUA's Request for Proposals and we are confident that our personnel have the capabilities, experience, and know-how needed to meet the MCMUA's goals and objectives for tasks and projects that may be assigned to prequalified engineering firms.

Please do not hesitate to contact Mr. Betz with any questions you may have at 732-312-9887 or eric.betz@fpaengineers.com. Thank you for considering FPA as one of the Authority's pre-qualified Engineering Consultants for 2025.

Respectfully submitted,
FRENCH & PARRELLO ASSOCIATES

A handwritten signature in black ink, appearing to read 'St A Tardy', written over a light blue horizontal line.

Steven A. Tardy, PE
President & CEO

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Section 1 Firm Qualifications

Who We Are

Engineering and Consulting Since 1974

Since 1974, French & Parrello Associates (FPA) has partnered with clients to address the ever-changing challenges of critical infrastructure, diverse buildings, and geotechnical and environmental demands. Nationally and locally ranked among Engineering News – Record’s Top Firms, FPA has grown to more than 225 professionals across seven offices strategically located within the Northeastern United States.



FPA provides clients with engineering design and consulting services on projects that improve our communities, cities, and states. From modernizing the aging roads, bridges, and dams that connect our families, facilitate business, and ensure public safety, to designing state-of-the-art commercial, educational, health care, and governmental facilities essential to the function of our communities, FPA improves quality of life. Our multi-discipline services offer in-house access to a full range of building design, environmental and geotechnical engineering, landscape architecture, land development, surveying, transportation engineering, and construction engineering services. In addition, the firm offers specialized expertise in telecommunications, solid waste engineering, water resources, water and wastewater engineering, renewable energy, and grant management, while maintaining an accredited materials testing laboratory.

FPA is actively preparing for the future, securing the talent, intelligence, and cutting-edge software and equipment needed to address critical issues such as climate change, renewable energy sources like solar and offshore wind power, electric vehicles, and energy-efficient building designs. Our professionals are incentivized to maintain continuous education and industry training, ensuring innovative solutions are considered and delivered.

“The expertise and experience of our best professionals is what our clients not only deserve but will receive.”

FPA’s people and projects have been awarded hundreds of accolades. The expertise and experience of our best professionals is what our clients deserve and receive. We are proud to be ranked as a Top Design Firm by Engineering News Record (ENR) and ENR NY, a Top Engineering Firm and Top Environmental Firm by NJBIZ, and a Top Engineering Firm on the BD+C Giants 400 Report. Additionally, our professionals have been recognized for their accomplishments by the New Jersey Society of Professional Engineers (NJSPE), the American Council of Engineering Companies (ACEC), and ENR, to name just a few industry organizations. Moreover, it is

demanding by our corporate commitment that our clients receive personal attention from our Subject Matter Experts, to provide speedy resolutions while considering long-term ramifications.

FPA has enabled clients to access millions of dollars in project funding through agencies, including NJ Infrastructure Bank (formerly NJEIT Funding Program), FEMA, FHWA, NJDOT Local Aid, USDA, and other programs. Funding FPA’s multidiscipline approach enables FPA to evaluate and develop solutions for a variety of infrastructure challenges. Our firm is known for our technical expertise, professional excellence, and client satisfaction. FPA also maintains a keen focus on safety and risk management and a culture of ethical practices in all we do. Additionally, we strive to incorporate sustainable design practices in line with the 17 sustainable design goals (SDGs), focusing on climate change resilience and improving infrastructure to benefit our clients, our clients’ customers, and society as whole.

Our Team

Your Dedicated Professionals

DIRECTOR OF INFRASTRUCTURE / LEAD REPRESENTATIVE: Eric C. Betz, PE, BCEE, CME, is proposed as the primary point of contact for this contract. Mr. Betz, who has served as Vice President and Director of Infrastructure, has more than 30 years of experience providing consulting engineering services to local governments, municipal and regional utility authorities, water companies, and state agencies. His background and area of expertise is in water and wastewater engineering however he has extensive experience in other sectors, including transportation, energy, and the built environment.



Mr. Betz attended Rutgers University's School of Engineering where he received BSCE and MSCE degrees in Civil & Environmental Engineering with concentration in water and wastewater engineering. Mr. Betz is a Nationally Board-Certified Environmental Engineer with concentration in Water and Wastewater by the AAEES, is a Certified Municipal Engineer, and past-President of the NJSME. Mr. Betz, who managed the Municipal/County/MUA services subdivision for his previous firm, is familiar with collection and conveyance systems and the Authority's and State's requirements and standards. Mr. Betz during his professional career has served many New Jersey clients with a focus on water and wastewater engineering, including: Jackson Township MUA, Lakewood Township MUA, Jersey City MUA, Manasquan River Regional Sewerage Authority, NJ Water Supply Authority, and Six Flags Great Adventure; the Boroughs of Carteret, Mantoloking, Sea Girt, Manasquan, Freehold, Allentown, Keyport, and Avalon; the Townships of Freehold, Warren, Jefferson and Chatham; the Cities of New Brunswick, Elizabeth, and Atlantic City; Landis Sewerage Authority, Middlesex County Utilities Authority, Ocean County Utilities Authority, and Cape May County MUA; as well as the Port Authority of New York and New Jersey and New Jersey Department of Environmental Protection, among other regional clients throughout the Northeast US.

Mr. Betz has provided technical reviews of public and private wastewater infrastructure improvements for compliance with standards and regulations. He has also served on many public boards and is extremely familiar providing public testimony. As shown on Mr. Betz's resume, he has extensive experience with design, bid phase, and construction phase engineering services on a vast array of public infrastructure projects. He has designed, managed, and served as project principal on projects that included gravity sewers, sewage pump stations, and force mains, as well as meter chambers and wastewater treatment facilities of varying size and complexity. Mr. Betz has designed and managed projects that have been funded through the NJ I-BANK (formerly NJEITFP) and is familiar with the State's infrastructure funding programs for water, wastewater, and transportation systems.

Mr. Betz will be supported by FPA's Subject Matter Experts in the fields of water, wastewater, solid waste, environmental, geotechnical and structural engineering, building design services (including mechanical, electrical and plumbing), dams and water resources, site/civil, transportation, GIS asset management, and telecommunications. Resources from FPA's regional office in Hackettstown, NJ and our corporate headquarters in Wall Township will serve the MUA effectively and efficiently.

PROJECT DIRECTOR: Brian T. Dougherty, PE, BCEE, who will serve as the Project Director for our relationship and projects with the MUA, as over 28 years of vast experience in the water and wastewater sector and has designed and managed hundreds of utility and infrastructure projects. His experience includes providing consulting engineering services to local governments, municipal and regional utility authorities, counties, private water companies, state agencies and private clients. Mr. Dougherty’s project experience includes the design, permitting, and construction management of water infrastructure (supply wells, treatment plants, transmission and distribution mains, and storage tanks) and wastewater infrastructure (gravity sewer replacements and extensions, sewage pumping stations, and force mains). His experience has ranged from new construction to retrofits and rehabilitation of a variety of infrastructure. He has developed condition assessments of water and wastewater facilities and completed water and sewer master planning studies that have included performing hydraulic computer modeling and identifying necessary capital improvements to meet future conditions.



PROJECT MANAGER - WATER: Matthew G. Voelkel, PE, will serve as Project Manager for Water, Matt has provided engineering services for a wide variety of projects involving water and wastewater facilities as well as civil site design. He has experience with surveying, detailed engineering design utilizing 3D computer-aided design (Civil3D), and construction and inspection practices. He has participated in the design and preparation of plans and specifications and permitting for water and wastewater treatment plants, distribution mains, water supply wells, gravity sanitary sewer mains, sanitary force mains, municipal roadway construction, and airfield/military facilities.



PROJECT MANAGER – SOLID WASTE: Alexander Saltzman, LSRP, will serve as Project Manager for Solid Waste. Mr. Saltzman is a Licensed Site Remediation Professional (LSRP) with more than a decade of consulting experience working on a variety of projects featuring landfills, residential, governmental, commercial, and industrial sites. He is proficient with various environmental laws, regulations, and associated technical guidance documents that have been established for New Jersey. Mr. Saltzman also has experience navigating compliance for sites within the regulatory frameworks of New York and Pennsylvania. His expertise includes all project phases, including client relations, proposal preparation, and conceptual planning in site remediation and case closure with the appropriate regulatory agencies.



The FPA Team is aware of the challenges and “need to do more for less” that Authorities are faced with each day. Our Team has experience with evaluating and gaining a full understanding of the problem or challenge and then developing a solution that meets the needs in a cost effective and technically sound manner. The Team has experience in the full spectrum of infrastructure projects, which combined with Mr. Betz’s experience in water and wastewater, provides a significant portfolio of water and wastewater and solid waste projects. FPA’s professionals have experience with serving the needs of utility authorities, municipalities, counties, and state agencies in New Jersey. FPA is well versed in state and federal regulations, including requirements for obtaining and complying with NJDEP Division of Water Supply and Geoscience and their Bureaus as well Division of Water Quality and the Bureau of Environmental, Engineering and Permitting which manages Treatment Works Approvals and NJPDES permits. The firm has excellent working relationships with NJDEP and other regulatory agencies which benefit our clients.



Who We Are
Firm Details

Location of Firm
1800 Route 34
Suite 101
Wall, New Jersey 07719
Phone: 732.312.9800
Fax: 732.312.9801

Principal-In-Charge
Andrew L. French, PE
Executive Vice President & COO
732.312.9800

225+ Employees



Professional Engineers



Professional Planners



Licensed Site Remediation
Professionals



Professional Land Surveyors



Certified Municipal Engineers



NICET-Certified Construction
Inspectors



Licensed Landscape
Architects



Technical and Support Staff

4 New Jersey Office Locations

Headquarters
1800 Route 34
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Wall, NJ 07719
732.312.9800

Hackettstown, NJ
700 Grand Avenue
Unit 5A
Hackettstown, NJ 07840
908.850.0977

Newark, NJ
1085 Raymond Blvd.
Suite 601
Newark, NJ 07102
973.554.0230

Camden, NJ
2 Riverside Drive
Suite 503
Camden, NJ 08101
609.862.1582

What We Offer
Our Services

At FPA's core are the services we provide to our clients. As a full-service firm, we have the advantage of being a "one-stop shop" for our clients, with the opportunity to provide engineering and consulting services from project inception to closeout. This integrated approach not only streamlines project management but also fosters stronger collaboration, ensuring that our clients receive comprehensive solutions tailored to their unique needs while maintaining consistency and quality throughout every phase of their projects.



"We have the advantage of being a 'one-stop shop' for our clients from project inception to closeout."



Bridge Engineering and Design

Our extensive bridge design experience ranges from small concrete culvert replacements to single-span concrete and steel bridges and multi-span steel structures. Our Bridge Engineering and Design Group takes pride in meeting the unique needs of our clients, seamlessly integrating functionality, safety, and aesthetic appeal. Our services also include bridge condition inspections along with development of structural repairs, as well as typical maintenance projects such as deck repairs or replacements, substructure rehabilitations, and safety upgrades. In addition, our structural design experience includes retaining walls, overhead sign structures, noise barriers, and restoration of historic stone and truss structures. Our dedication to delivering exceptional results, coupled with the in-depth knowledge of local regulations and a collaborative approach to project management, distinguishes FPA as a trusted partner for municipalities and counties alike.



Construction Engineering and Materials Testing

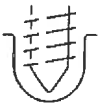
Construction Engineering Services & Material Testing provide our clients technical monitoring and in-house materials laboratory testing support services during construction, as well as construction phase engineering support. FPA has provided construction monitoring of major earthwork excavation and backfill operations, footing subgrade and pile installations, pile load testing, drilled pier installations, jacked casings, pipeline construction, concrete placement, roadway and bridge construction, asphalt placement monitoring, dams construction and rehabilitation, landfills, and commercial and residential structures. Many of our personnel have successfully completed the "Occupational Safety and Health Administration 40 Hour" course for Hazardous Waste Site Personnel and are certified by the American Concrete Institute (ACI), National Institute for Certification in Engineering Technologies Certified (NICET), and New Jersey Society of Asphalt Technicians (SAT). We also have numerous nuclear density gauge certified personnel. Our laboratory is accredited by the American Association of State Highway

and Transportation Officials' (AASHTO) and participates in the biennial accreditation inspections by AASHTO Materials Reference Laboratory (AMRL). In addition, we have provided resident engineering services on many projects, serving as the owner's representative from the bidding and award phases through punch list completion and final payments.



Environmental Services

Our Environmental Services Group is comprised of professional geologists, environmental planners, and engineers whose services include property assessments and investigatory and remedial services to a broad range of private and public entities in New Jersey, Pennsylvania, and New York. FPA's staff provides expert consultation to address complex Brownfields issues throughout the region. We also have experience with contaminants in various types of media and are specialists in the development and design of cost-effective remedial solutions for soil and groundwater. Our environmental planners are considered experts in environmental impact statements, historic and cultural resource evaluations, permitting and management of dredged materials, and landfill management. FPA's Team also performs natural resource damage assessments and hydrogeological studies, aquifer characterizations, and groundwater modeling related to water resource planning and watershed management. FPA has several Licensed Site Remediation Professionals (LSRP) on staff to conduct environmental investigation activities and closeout.



Geotechnical Engineering

Our geotechnical professionals offer a wide range of geotechnical and foundation related services to meet clients' needs. FPA's staff performs subsurface explorations and geotechnical assessments to facilitate project planning and design and offers geotechnical related design services for shallow and deep foundations, including driven piles, drilled shafts, and auger-cast piles; ground improvement projects; retaining walls and bulkheads; pavements; landfills, and dams. We have extensive experience in ground improvement projects incorporating preloading and deep dynamic compaction, as well as in the design of large mechanically stabilized earth walls and slopes. FPA's personnel also perform wave equation analyses for driven piles, test pile, and pile load test monitoring. Our construction phase services include construction monitoring, materials testing, value engineering, and construction engineering. In addition, FPA maintains a full-service soils testing laboratory at its corporate headquarters.



Geographic Information Systems (GIS)

FPA provides cost effective and efficient solutions to suit a variety of geospatial needs. Our Team of professionals and GISP-certified staff have experience working with a diverse clientele, ranging from small businesses to large public utilities and government agencies. Powerful mapping and spatial data analytics technology allows for multiple applications and helps us provide added value to our clients by improving the speed and accuracy of deliverables. FPA's strength lies in assessing project needs and providing scalable solutions, ranging from complete GIS implementation to simple site feature mapping.



Government Services

FPA has served governmental entities at the municipal, county, state, and federal level since our founding in 1974, in addition to public agencies and bi-state, quasi-political authorities, such as the Delaware River Port Authority, Delaware River Joint Toll Bridge Commission, and Delaware Valley Regional Planning Commission. FPA understands each entity has a different set of parameters, expectations, operational procedures, and ultimate end users, to whom it must answer. Our expertise

navigating these unique characteristics is guided by providing specific attention, care, and constant communication, as well as staying abreast of innovative solutions, ever-evolving technological advances, and industry Best Management Practices (BMPs). FPA offers our governmental clients a full suite of planning, design, engineering, and construction-support services for transportation and infrastructure, buildings and facilities, geotechnical and environmental, telecommunications, energy, solid waste, and water resources.



Highway Design and Traffic Engineering

FPA's highway and roadway design experience includes concept development and safety studies, roadway resurfacing projects, intersection improvements, and complex roadway reconstruction projects spanning over a mile in length. We also consider the needs of all roadway users as part of a complete streets approach to our projects and are well versed in the design of alternative transportation facilities, including sidewalks, ADA-compliant curb ramps, multi-use trails, and bicycle facilities.

FPA also provides specific traffic engineering design and assessment capabilities to specific-site development projects, as well as provides support to enhance the range of services on our transportation infrastructure improvement assignments. Our expertise focuses on analysis and modeling of traffic operations to assess operational and safety improvements, such as intersection expansion, signalization, and roadside safety improvements, as well as to assess impacts from land developments on the adjacent roadway network. FPA's design capabilities include traffic signal design, electrical plans, lighting design, and site circulation plans. We are knowledgeable in highway access management and the design and permitting requirements of appropriate site access and improvements on state highways and county roadways.



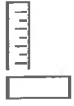
Landscape Architecture

Our Landscape Architecture service offerings range from landscape design for site plans and subdivisions to the design of innovative parks, playgrounds, and nature reserves that combine physical activity with learning opportunities. Our experience includes a number of exciting passive and active recreation facilities and several unique projects, including the Black Bear Zoological Exhibit and Wildlife Carousel Area at the Turtle Back Zoo in Essex County, NJ and the redevelopment of the North and South Gardens in Orange Park, Essex County, NJ.



MEP/FP Engineering

Our MEP/FP Engineering Group is a reliable source for quality design in mechanical, plumbing, electrical, and fire protection. The wide range of services includes HVAC systems, energy recovery, building management systems, energy audits, plumbing systems, including industrial piping, industrial exhaust, fire detection and suppression, data rooms, water flow tests, technology/data, communications and security systems, and medical and education specialties. Other specialties include high voltage infrastructure and distribution, low voltage distribution, lighting design, lightning protection systems, and energy retro fits. Our staff of professionals regularly performs code analysis, hazardous-HPM analysis, feasibility studies, site infrastructure, design, forensic investigations, ADA-compliance studies, referendum studies and reports, energy studies, and USGBC Green Building Design and LEED® applications for a diverse clientele.



Land Development Services

Our staff of professional engineers, planners, and land surveyors, and certified municipal engineers and landscape architects are knowledgeable and experienced in preparing plans and applications, as well as negotiating the permit approval process required for land development. Some of the many services we perform include regulatory permitting, constraints mapping, site feasibility investigations, concept plan preparation, site plan and subdivision design, soil erosion control plans, landscape architecture and lighting plans, and stormwater management studies and plans.



Solid Waste and Landfill Services

Our landfill design and construction management professionals provide the utmost care and competent expertise to meet and exceed client expectations. FPA's Team of engineers, specialists, and field personnel is thoroughly familiar with all technical aspects and regulatory requirements applicable to solid waste management facilities. Our in-depth knowledge of federal, state, county, and local regulatory requirements allows us to streamline the regulatory approval process and meet the project schedule.

Our design professionals, survey crews, trained field personnel, and an ASTM-certified laboratory conveniently fulfill our clients' need for multifaceted services through a single project management team. Through prudent planning, cost-effective designs, and high-quality professional services, FPA has established a solid reputation with numerous authorities and counties responsible for municipal solid waste landfills.



Structural Engineering

Our Structural Engineering Group is known for its excellence and experience in analysis and design of all types of buildings and structures utilizing various materials, including steel, concrete, masonry, aluminum, light gauge steel, and timber. Other specialties include hardened structures, blast design, high-rise design, complex structures, Private Provider (PPI) structural and architectural precast design, light gauge shop drawings, seismic design, lattice and monopole towers, sanitary structures, underpinning design, pile foundations, specifications, and peer review and forensic investigations.



Survey Services

Our staff has more than 75 years of combined experience offering surveying capabilities, including boundary surveys, topographic mapping, forensic surveying, and all phases of construction layout, from site grading, utilities, roads, buildings, and steel layout control. We use survey equipment, such as traditional electronic total stations, fully robotic instruments, and global positioning equipment (GPS) with real-time kinetic features, to handle the diverse and unique services our clients require. Additionally, FPA can utilize unmanned aerial vehicles (UAVs) and unmanned aerial systems (UAS) equipped with high-resolution cameras for photo and video feeds to mitigate traditional survey risks and improve efficiency.



Telecommunications Engineering and Design

FPA is a recognized leader in providing engineering services to the wireless communications industry. The diversity and experience of our staff allows projects to be designed and coordinated internally, providing our clients the convenience of "one-stop shopping". Our timely response, quality designs, and commitment to satisfaction have become our trademark in the industry.



Water Resources Engineering

FPA’s water resources engineering services includes the planning, design, and construction of projects such as dams, hydraulic structures and spillways, lined and unlined channels, tunnels, dikes, levees, soil erosion and sediment control structures, stormwater management, and non-point source pollution control systems. Our comprehensive dam engineering services include hydrologic and hydraulic analyses, development of design storms for dams, dam breach analyses, channel stabilization, regular and formal dam inspections, preparation and rehabilitation designs for dams, and dam vulnerability assessments.



Water & Wastewater Engineering

FPA’s Water & Wastewater Engineering Group offers evaluation, assessment, planning, design, permitting, and bidding and construction phase services for infrastructure needed for water supply, treatment, storage, transmission, and distribution, as well as infrastructure needed for wastewater collection, pumping and conveyance, treatment, and discharge, including handling and disposal of residuals. FPA provides feasibility studies, master planning, inventories, planning, design, permitting, bid phase services, and engineering services during construction for our water, wastewater, and other infrastructure projects.



Renewable Energy Resources

Renewable Energy Resources, such as solar energy, wind energy and hydro electric energy offset the continually escalating cost of power currently offered through utility companies and do so in an environmentally friendly way. FPA has the experience and knowledge necessary to assist our clients in taking advantage of renewable energy resources. FPA provides energy evaluations, energy audits and planning, commissioning and renewable energy solutions for residential, commercial, industrial and institutional clients. Our approach integrates both the technical and financial evaluation of a renewable energy installation to ensure a cost effective solution for your energy needs.



EV Infrastructure

As the demand for Electric Vehicle infrastructure increases in our region, successful planning and design requires a firm with strong local knowledge and an understanding of how the market is evolving.

Our dedicated professionals have experience managing, coordinating, and forecasting power design and delivery for a wide range of electric utility providers across the Eastern United States. We have decades of experience tackling the high-volume, data-driven projects, similar to the demands that exist in the EV infrastructure market. Whether performing an EV feasibility study, designing the installation of EV charging stations, or managing the transition of your fleet to EV, FPA’s full-service team of multidisciplinary engineers, transportation planners, and landscape architects are at the forefront of this emerging market in our region, and we are ready to partner with you to bring your EV projects to fruition.



Drinking Water and Wastewater solutions for our New Jersey-based clients:

Meeting the challenge of safe and reliable water supply and proper wastewater management require a careful balance of managing cost, energy use, operational ease, and maintenance efficiency while also incorporating sustainability, resilience, and adaptability to climate change and other local and global threats. French & Parrello Associates serves clients across many sectors and routinely considers energy use, project complexity, operational efficiency, sustainable design, and resiliency across our projects.

For municipalities, public water utilities, and private water companies, providing safe and reliable drinking water requires thoughtful planning and proper design, construction, maintenance, and operation of supply, transmission, storage, treatment, and distribution system assets. As infrastructure continues to age in New Jersey, distribution system operation and maintenance has become a major area of focus. We have experience with rehabilitation programs that help extend the useful life of these valuable assets including cleaning and lining of critical water transmission and distribution lines.

For sewer utilities, successful water quality and wastewater management requires a reliable collection and conveyance network of piping and pumping systems. As infrastructure continues to age in New Jersey, wet weather flow management has become a major area of focus. Team members have experience with Infiltration/Inflow reduction programs and other sewer infrastructure assessment and rehabilitation programs that help extend the useful life of these valuable assets. Additionally, as the impacts climate change continue to worsen, it is critical to evaluate and include proper mitigation measures in all new infrastructure projects. This is an area of focus for the team at FPA.

Lead in Drinking Water

The USEPA established the Lead and Copper Rule (LCR) to protect public health and reduce exposure to lead and copper in drinking water. The most common sources of lead in drinking water are lead pipes, brass or bronze faucets and fixtures. EPA, the US Department of Housing and Urban Development (HUD) and the NJ Department of Environmental Protection encourage and support communities to prioritize infrastructure improvement projects including those that remove lead service lines and reduce lead exposure. In July 2021, Governor Phil Murphy signed into law P.L.2021, Ch.183, which requires community water systems in NJ to identify all lead service lines, provide public notification regarding the presence of all lead service lines, and replace all lead service lines by 2031. Lead service line inventories must be posted on websites of water systems to notify residents who have lead service lines. In December 2021, the EPA finalized the LCRR, nationwide revisions to the Federal Lead and Copper Rule, which strengthens monitoring requirements and standards for water systems. NJDEP is in the process of developing NJ specific requirements for the control of lead and copper, which will incorporate the updates from the EPA, while also providing an increased focus on lead and copper monitoring and sampling, corrosion control, water quality parameter monitoring and treatment, source water, monitoring and treatment, and public education. FPA's water engineers and scientists are ready, willing, and able to assist the MUA with evaluating lead service lines and helping to develop a systematic and cost-effective program to replace them.

Pipeline Services, Transmission, and Distribution

As mentioned herein, Mr. Betz and the FPA team have experience with pipeline projects of varying lengths, diameters and complexities including new installations of transmission mains and water distribution systems. In addition, our team is familiar with pipeline evaluation, condition assessments, and development of rehabilitation and repair options for existing pipelines including but not limited to cleaning and lining. Additionally, the team is experienced with design

and construction support services for installation of water mains and other conduits via Horizontal Directional Drilling (HDD), pipe jacking and other trenchless technologies.

Emerging Contaminants & PFAS

The USEPA and NJDEP have recently published formal stringent drinking water standards for perfluorooctanoic (PFOA) and perfluorooctane sulfonic acid (PFOS) also commonly referred to as PFAS, chemicals that are extremely persistent in the environment and have been linked to various health problems in people. FPA is diligently following this matter so we can assist our water clients navigate and comply with any new requirements and regulations. Currently the best available technologies for removal of the PFAS family of chemicals is Activated Carbon, Ion Exchange and Reverse Osmosis with nanofiltration.

Combined Sewer Overflows and Sanitary Sewer Overflows (CSO/SSO)

Combined sewer overflows, or CSOs, are remnants of the country's early infrastructure. In the past, communities constructed sewer systems to collect both stormwater runoff and sanitary sewage in the same pipe. During dry weather, these "combined sewer systems," or CSSs, transport wastewater directly to the sewage treatment plant. In periods of rainfall or snowmelt, however, the wastewater volume in a CSS can exceed the capacity of the sewer system or treatment plant. For this reason, CSSs are designed to overflow occasionally and discharge excess wastewater directly to nearby streams, rivers, lakes or estuaries. CSOs contain not only stormwater, but also untreated human and industrial waste, toxic materials, and debris. This is a major water pollution concern for cities with CSSs. CSOs are among the major sources responsible for beach closings, shellfishing restrictions and other water body impairments.

NJDEP's Division of Water Quality (DWQ) issued two Draft NJPDES Combined Sewer Overflow (CSO) permits in December 2022. These permits serve to improve water quality in these urban areas by requiring the reduction of combined sewer discharges. These updated CSO Permits expand upon the public engagement found in the 2015 CSO Permits. The goal of the CSO permits is to meet the requirements of the Clean Water Act and the National CSO Policy by reducing or eliminating the remaining CSO discharges in New Jersey. The Department is committed to working with Combined Sewer Overflow (CSO) permittees and CSO communities to reduce or eliminate CSOs by providing low-cost funding and guidance to meet permit obligations. In order to achieve the reduction or elimination of CSO discharges, CSO permittees will need to reduce flooding, ensure proper operation, maintenance and management of existing infrastructure and provide opportunities for green infrastructure. CSO permits reinforce the importance of properly operated and maintained water infrastructure systems in protecting public health and the environment and supporting economic redevelopment.

Sanitary sewer systems collect and transport domestic, commercial, and industrial wastewater and limited amounts of stormwater and infiltrated ground water to treatment facilities for appropriate treatment. Sanitary sewers are different than combined sewers, which are designed to collect large volumes of stormwater in addition to sewage and industrial wastewater. Occasionally, sanitary sewers will release raw sewage. These types of releases are called sanitary sewer overflows (SSOs). SSOs can contaminate our waters, causing serious water quality problems, and back-up into homes, causing property damage and threatening public health.

Possible causes of SSOs include:

- blockages,
- line breaks,
- sewer defects that allow stormwater and groundwater to overload the system,

- power failures,
- improper sewer design, and
- vandalism.

FPA is familiar with evaluating and mitigating problems that cause SSOs in municipal sanitary sewer systems and can assist the Township's Sewer Utility in this regard.

Pumping Stations

FPA is experienced with evaluation, design, permitting, bidding and construction phase services for new and rehabilitation of existing municipal sewage pump stations.

Municipal pump stations typically are submersible, wet well/dry well dry pit submersible, or suction lift type pump stations and the design requirements for these types of stations continue to evolve to address construction, material and changes in operating conditions. FPA's team of professionals are familiar with design and construction phase engineering services required for sewage pump stations and we are prepared to deal with the challenges included with each unique project. These include:

- grit chambers and handling systems
- bar screening systems and comminutors
- pump design for energy efficient operation and redundancy
- bypass piping for maintenance
- corrosion resistant coatings and materials
- explosion proof electrical systems
- leak protection
- surge protection
- ventilation and safety systems
- odor and corrosive gas control (chemical feed systems and tanks, carbon scrubber systems, etc.)
- force main design and rehabilitation / air release systems
- Aesthetically pleasing pump station buildings
- extraneous flow reduction programs for overall sanitary sewer collections systems

Geographic Information Systems (GIS)

FPA's GIS services are focused on utilizing up to date, modern GPS equipment and the latest software to effectively and efficiently meet or exceed our client's needs. Our team of professionals is well versed in the use of the ESRI ecosystem of GIS software which includes ArcMap, ArcGIS Pro, ArcCatalog, ArcPad, ArcGIS Collector, ArcGIS Survey123, and ArcGIS Field Maps. Additionally, FPA maintains a cloud-based GIS mapping service through ArcGIS Online as well as an in-house Enterprise GIS deployment. Geographically, FPA's current active area for GIS services extends from Ohio to New Jersey and south into Virginia with active projects throughout this entire region. Projects range from analysis and base mapping to more complex asset inventory and management systems which utilize cloud based or in-house hosted web services and databases. We are committed to performance and compliance through responsiveness and diligence. To summarize, our GIS services include the following:

- Data Collection
- Needs Assessments

- Asset Management
- Infrastructure Mapping
- Utility Mapping
- Environmental Mapping
- Development and Deployment of Public and Secure Web Mapping Applications
- Base Mapping
- Database Design and Management
- Data Conversion
- Analysis and mapping

Supervisory Control and Data Acquisition (SCADA)

The FPA water team, their specialty subconsultants and equipment vendors, have designed, specified, permitted and provided construction phase services for installation of supervisory control and data acquisition (SCADA) control system architecture which typically include computers, networked data communications and graphical user interfaces (or human machine interfaces / HMIs) for high-level supervision or machines and processes typically required for sanitary sewer collection and conveyance systems including sewage pumping stations, treatment facilities and outfalls.

USEPA and NJDEP Rules and Regulations

The French & Parrello Associates team is familiar with applicable USEPA and NJDEP regulatory requirements and standards and we have assisted our clients in preparing and obtaining permits through these agencies for water and wastewater projects. These typically include permitting through the NJDEP's Division of Water Quality relative to Treatment Works Approvals and Discharge Permits. As mentioned previously we are also familiar with applying for funding assistance and low interest loans and grants through the New Jersey Infrastructure Bank and more specifically the NJ Environmental Infrastructure Trust and the Water Bank for water and wastewater projects. We also have assisted clients receiving funding through the USDA's Rural Development program.

Safe drinking water, effective wastewater management, proper stormwater management and innovative solid waste management are critical to maintaining the health, safety, and welfare of the public. FPA headquartered in Wall Township, Monmouth County, with 50 years of experience operating as an engineering consultant in our great state of New Jersey, has contributed significantly by planning, designing, and overseeing that construction of infrastructure projects throughout our region and across our state and the Northeast. We enjoy working with our clients and partners, and collaborating with local, county and state agencies, to deliver challenging projects, which in turn, make our communities great places for our families to live, work and play.

Solid Waste solutions for our New Jersey-based clients:

FPA is a multi-discipline consulting engineering firm and we have built a strong and diverse client base by providing high quality engineering and timely personalized service. Our team of engineers, surveyors, and field personnel is thoroughly familiar with the technical aspects and regulatory requirements applicable to solid waste management facilities. Our in-depth knowledge of federal, state, county, and local regulatory requirements as well as several former NJDEP Program Managers on our staff allow us to streamline the regulatory approval process and meet project deadlines. Our design professionals, survey crews, trained field personnel and our ASTM certified laboratory conveniently fulfill your need for multifaceted services. We are committed to performance and compliance through responsiveness and diligence. Our services include the following:

Planning & Design

- New Landfills
- Topographic and Boundary Survey
- Landfill Expansions – Vertical, Horizontal, and Infill
- Closure and Post Closure Plans / Financial Plans
- Landfill mining, reclamation, and redevelopment
- Transfer Stations
- Feasibility Studies; geotechnical investigations, analysis, and design; Stability Analysis
- Slurry Cut-off Walls
- Leachate Collection and Conveyance Systems
- Stormwater Management Systems
- Financing Procurement through New Jersey Environmental Infrastructure Trust

Construction Engineering Services

- Resident Engineering Services and Contract Administration
- Quality Control/Quality Assurance Monitoring and Reporting
- Demolition Planning and Oversight
- As-built survey and construction stakeout

Permitting & Compliance Monitoring

- Solid Waste Facility Permits and Renewals
- Permit Modifications including Landfill Disruption Permits
- Title V Permitting and Reporting
- Landfill Redevelopment Including Golf Courses and Solar Installations
- Solid Waste Management Plan Amendments
- Environmental Impact Assessments
- Landfill Gas Services – Collection Systems, Energy Production
- Permit Compliance Monitoring for landfill gas and stormwater management systems
- Operation and Maintenance Manuals
- Operational Consultation and Problem Resolution/Remediation
- Capacity Analysis and Optimization, Annual Reports, Closure Plan Updates/Financial Reports
- Air, water, and other land use permits
- Groundwater quality statistical analysis and reporting
- Post Closure Care, Monitoring Corrective Measures



PROJECT UNDERSTANDING: ENGINEERING – SOLID WASTE DIVISION

It is our understanding that the intent of this RFP from MCMUA is to prequalify one of more firms to provide on-call solid waste consulting and engineering services for the general operation, permit compliance and planning related to the MCMUA's solid waste facilities. These services may consist of support for the compliance of the facility's Title V, and NJPDES Permits, landfill expansion and ancillary facilities, construction management services, and monitoring services. FPA has provided similar services for other clients and is able to provide the required services without the need for a subconsultant. Analytical testing will be performed by a certified third party.

KEY PERSONNEL

The project team designated to serve the Authority's Solid Waste Division will consist of personnel that have had prior experience with solid waste and environmental projects. A brief introduction to the project team and their roles are presented below.

Alexander Saltzman – Solid Waste Lead

Mr. Alexander Saltzman, LSRP, will serve as the Technical Lead and will be the Quality Assurance Manager who's responsible for overseeing the product from FPA team members. He has over 12 years of experience in environmental consulting. Specific consulting experience includes oversight and regulatory compliance assistance for landfill gas collection system operation and monitoring in accordance with NSPS Subpart XXX and NESHAP Subpart AAA. Mr. Saltzman specializes in landfill gas sample collection and analysis, monthly gas collection system readings and troubleshooting, flare maintenance and troubleshooting, Greenhouse Gas Reporting, Surface Emissions Monitoring, and Perimeter Gas Monitoring. Mr. Saltzman oversaw air permitting and engineering consulting, including the preparation of specifications for an expansion of the gas collection systems. Mr. Saltzman will have overall project responsibility for all work product and is our Solid Waste Division lead.

Stefanie Pacifico, PE – Project Engineer

Ms. Pacifico is a Project Manager in Landfill Gas (LFG) Services. Her solid waste experience includes LFG monitoring and sampling, Gas Collection and Control System (GCCS) optimization and troubleshooting, quarterly surface emissions monitoring, landfill and GCCS inspections, the preparation and submission of emissions statements utilizing the NJDEP Radius software, NSPS and Title V compliant reporting, Greenhouse Gas Reporting, and permit modifications. In addition, Ms. Pacifico has assisted with the design of LFG collection system expansions, as well as evaluating existing GCCS and providing recommendations to improve operation.

Narinder Ahuja, PE, PP – Senior Environmental Specialist

Mr. Narinder Ahuja has 44 years of professional experience and expertise in implementing environmental policy, administration, and management. He was a leader within the New Jersey Department of Environmental Protection (NJDEP) where he last served as Director of the Division of Water Resources from 2001 to 2008. As Director, and at various other positions within the NJDEP, Mr. Ahuja managed several high-volume, high visibility environmental programs of significant public interest. He was in responsible charge for developing, improving, and implementing several multifaceted regulatory, permitting, and financing programs, as well as reviewing NJPDES permit applications and the issuance of permits. He will oversee all environmental and permitting and serve as the primary liaison with NJDEP.

Tyler Martz, LSRP – Environmental Manager

Mr. Martz is a credentialed environmental professional with 10 years of consulting experience working on a variety of projects including residential, governmental, commercial, and industrial use sites. He is proficient with various environmental laws, regulations and associated technical guidance documents that have been established for New Jersey, Pennsylvania, and New York. Mr. Martz has experience with all project phases including client relations,

proposal preparation, investigation & conceptual planning, site remediation and ultimate case closure with the appropriate regulatory agency.

Thomas Ertle, PLS – Survey Manager

Thomas Ertle, PLS has 30 years of experience in land surveying including annual topographic surveys at solid waste facilities, as-built surveys at landfills, bridge construction and rehabilitation, large commercial site surveying encompassing thousands of acres and over a million square feet of new construction.

Michael Schappert, PE – Manager of Field and Lab

Mr. Schappert has more than 20 years of experience serving private and public clients with the full spectrum of engineering design, construction administration, and construction management and supervision services. His experience includes serving clients in a variety of markets, including transportation, municipal, industrial (nuclear/fossil power, refinery, co-gen), residential, and commercial. Mr. Schappert uses his thorough understanding of the construction and civil engineering Industries to approach projects with a sensitivity toward constructability, cost consciousness, technical excellence, and the overall importance of complete and thorough contract documents coupled with precise project execution and management.

Joseph M. Tierney, PE – Senior Project Manager

Mr. Tierney is responsible for project coordination, implementation, performing geotechnical engineering analyses, foundation design, and geotechnical report preparations. He has been involved in foundation reports, and has experience providing geotechnical input to liner designs, subgrade reinforcement, settlement analyses, slope stability, and technical specifications for all geotechnical-related aspects of landfill cell construction.

EXPERIENCE ON SIMILAR SOLID WASTE MANAGEMENT CONSULTING PROJECTS

Cumberland County Improvement Authority Landfill, Deerfield, NJ - Responsible for Title V Air Permit, New Source Performance Standards (NSPS) monitoring, reporting and compliance services. Specifically, provided monthly NSPS wellfield monitoring and semi-annual reporting, Title V Reporting, Greenhouse Gas Reporting, quarterly surface emissions monitoring, and various LFG consulting services. Services include conducting enhanced monitoring and troubleshooting of the landfill gas collection system to optimize performance. In addition, design and construction oversight of a landfill gas collection system expansion.

Legler Landfill, Jackson Township, NJ - FPA is responsible for Title V and Preconstruction permit compliance coordination including landfill gas migration monitoring and landfill gas sample collection, the preparation of emissions statements utilizing the NJDEP radius software, groundwater sampling, minor permit modifications, and compliance status reporting.

Monmouth County Reclamation Center, Tinton Falls, NJ - FPA has previously provided solid waste engineering consulting services for Monmouth County Engineering. The scope of services consisted of multiple tasks for landfill operation and expansion including the Phase IV landfill expansion construction plans and Site Preparation Contract, Solid Waste Facility Permit renewal and modification, engineering reports, construction plans for a baler facility addition, consultation for the leachate pretreatment facility, preparation of landfill equipment purchasing bid documents, odor control consultation and food waste recycling consultation. Our services also included long range planning for future operational issues, conventional landfilling alternatives, capacity evaluations and landfill life extension.

Middlesex County Landfill, East Brunswick, NJ - Our experience with Middlesex County Utilities Authority (MCUA) includes Agreements and Amendments from April 1991 through March 2018. This work consisted of Engineering Design, Quality Assurance (QA), Resident Engineer and Contract Administration services on numerous Cell



construction projects, as well other ancillary landfill projects. It also included Twelve (12) Annual Agreements as Engineer for the SWD that consisted of providing various annual reports required by the NJAC, and multiple Solid Waste Facility Permit renewals and modifications.

Atlantic County Utilities Authority, Egg Harbor Township, NJ - FPA served as the Authority's engineer responsible for preparing the GASB Closed Cell Topographic Survey and Volume report, the NJDEP Annual Topographic Survey and Report, and the Biennial Closure/Post-Closure Care Plan Update. These reports were prepared for the ACUA to fulfill NJDEP regulatory reporting requirements and are used by the ACUA for current and future planning of site improvements.


Gloucester County Solid Waste Complex, Harrison, NJ - FPA provided Quality Assurance Inspection Services for the expansion of the Gloucester County Solid Waste Complex. This expansion included Cell 11A approximately 10.8 acres. We functioned as the Third-Party independent review firm, providing QA review over the Project Quality Control (QC) Consultant and reporting directly to the NJDEP. The landfill liner system is a double-composite containment system, utilizing natural and synthetic materials. FPA is currently providing QA services for another cell expansion.

Rutherford East/West Meadowlands, Rutherford, NJ - FPA provided onsite material geotechnical testing services for the construction of the closure of the Meadowlands Landfill.

Burlington County Resource Recovery, Columbus, NJ - FPA provided Quality Assurance (QA) and Quality Control (QC) Inspection Services for Phase IV and V expansions of the Burlington County Landfill, located at the County Resource Recovery Center. These expansions consisted of approximately 10 acres for Phase IV and 16.4 acres for Phase V. For Phase IV, we functioned as the Third-Party independent review firm, providing QA review over the Project Quality Control (QC) Consultant and reporting directly to the NJDEP, and QC reporting for Phase V. The landfill liner system is a double-composite containment system, utilizing natural and synthetic materials, with the required testing and verification protocol required by the New Jersey Administrative Code (NJAC) for Landfills.

Brookfield Landfill, Staten Island, NY - FPA provided onsite material geotechnical testing services for the construction of the closure of the Brookfield Landfill. -

REFERENCES



Brian J. Brach, PE, QPA
Executive Director
Manasquan River Regional Sewerage Authority
Howell, New Jersey
732.431.8185

Peter R. Valesi, PE
Township Administrator
Township of Freehold
Freehold, New Jersey
732.294.2001

John P. DuPont, PE, PP, CME
Director of Municipal Engineering & Public Works
Borough of Carteret
Carteret, New Jersey
732.541.3847

Daniel J. Loomis, PE, CME
City Engineer
City of Elizabeth
Elizabeth, New Jersey
908.820.4269

Justin Flancbaum
Executive Director
Lakewood Township Municipal Utilities Authority
Lakewood, New Jersey
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Thomas D. Valenti
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City of New Brunswick
New Brunswick, New Jersey
732.745.5056

Robert Briant, Jr.
Chairman
New Jersey Infrastructure Bank
Trenton, New Jersey
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Jose Cunha, PE, CME
Executive Director
Jersey City Municipal Utilities Authority
Jersey City, New Jersey
201.432.1150

PARTIAL CLIENT LIST



Atlantic City Municipal Utilities Authority
Atlantic County
Atlantic County Utilities Authority
Bergen County
Bergen County Utilities Authority
Borough of Carteret
Borough of Franklin
Borough of Sea Bright
Camden County
Camden Redevelopment Agency
City of Camden
City of Elizabeth
City of Jersey City
City of New Brunswick
City of Passaic
City of Paterson
City of Plainfield
City of South Amboy
City of Trenton
Cumberland County
Cumberland County Improvement Auth.
Delaware River Joint Toll Bridge Comm.
Delaware Valley Region Planning Comm.
Essex County
Essex County Vocational Technical Schools
Gloucester County
Hudson County
Hunterdon County
Jackson Township MUA
Jersey City MUA
Jersey City Redevelopment Agency
Lakewood Township MUA
Long Branch Sewerage Authority
Manasquan River Regional Sewerage Auth.
Mendham Township Board of Education
Mercer County
Middlesex County
Middlesex County Utilities Authority
Monmouth County
Morris County
NJ Department of Transportation
NJ Dept. of Property Management & Const.
NJ Infrastructure Bank
NJ Sports & Exposition Authority
NJ Turnpike Authority
NJ Water Supply Authority
North Jersey District Water Supply Comm.
Ocean County
Ocean County College
Ocean County Vocational Tech School Dist.
Passaic County
Passaic Valley Water Commission
PennDOT
Somerset County
South Jersey Port Corporation
Sussex County Engineering Department
The College of New Jersey
Toms River Municipal Utilities Authority
Township of Allamuchy
Township of Brick
Township of Burlington
Township of Cherry Hill
Township of Chester
Township of East Brunswick
Township of East Windsor
Township of Freehold
Township of Hardwick
Township of Hope
Township of Howell
Township of Knowlton
Township of Lacey
Township of Mendham
Township of Middletown
Township of Millburn
Township of Old Bridge
Township of Pohatcong
Township of Princeton
Township of Randolph
Township of Rockaway
Township of Toms River
Township of Wall
Union County



(800) 737-2190



Section 2 Project Experience

Primary Municipal Engineering and Wastewater Consultant

Carteret Borough, New Jersey



French & Parrello Associates (FPA) serves as the Borough of Carteret’s primary Municipal Engineering and Utilities Consultant for this energized and redeveloped community of over 20,000 people. Once a mecca for heavy industrial and commercial operations, the community has been transformed and redeveloped into a center for entertainment, community engagement, and is prime location to raise a family, which is conveniently located in the Northeast and close to NYC and North Jersey communities.

FPA helps the Borough evaluate, upgrade, and maintain their 100+ miles of storm and sanitary sewer including the Borough’s nine (9) sewage and stormwater pump stations. FPA’s team of professionals led by Client Manager and primary Consulting Engineer, Eric C. Betz, PE, BCEE, CME, helps the in-house Director of Municipal Engineering and Public Works handle the day-to-day municipal engineering activities, including budgeting, capital improvements, funding assistance, and coordination with Borough Officials and other Departments. FPA is responsible for helping the community design and construct various capital improvements including replacement of five of the seven sewage pumping stations, construction of a sanitary relief sewer, infiltration/inflow studies, sewer rehabilitation projects removing hundreds of illegal sanitary connections from the Borough’s storm sewer system and reducing inflow and infiltration, and has helped deliver numerous public works projects, environmental remediation programs as well as park and recreation projects.

We have helped coordinated with State and Federal agencies on behalf of the Borough, resulting in nearly \$13 million in grant monies to help perform infrastructure improvements. Our lead representative, Mr. Betz has served the Borough as their consulting engineer and primary wastewater consultant for over three decades.

Client

Borough of Carteret

Reference

The Honorable Daniel J. Reiman
Mayor, Borough of Carteret
732.541.3807

John P. DuPont, PE, PP, CME
Director of Municipal Engineering &
Public Works
732.541.3847

Services

- Municipal Engineering Services
- Water and Wastewater
- Civil / Site
- Highway and Traffic
- Environmental
- Geotechnical
- GIS
- Landscape Architecture
- Building Design
- Water Resources
- Construction Engineering
- Surveying

Primary Consulting Engineer and Utilities Consultant

Freehold Township, New Jersey



French & Parrello Associates (FPA) serves the Township of Freehold as their primary consulting municipal engineer serving the Township Committee, Township Planning Board, Engineering, Utilities, Public Works, Parks, and Facilities Departments. The Township, which was incorporated in 1693 and was the location of the Battle of Monmouth in 1778 now is home to more than 36,000 residents who enjoy this wonderful community situated in Western Monmouth County.

FPA's team of Engineers, Environmental Scientists/LSRPs, Surveyors, GIS Technicians, Construction Managers and Inspectors, provide reliable, responsive, and dedicated professional services to help the Township meet their goals and objectives and protect the health, safety, and welfare of the Township's residents, business owners, and visitors. FPA helps the line departments evaluate their capital project needs and develop budgets. We routinely coordinate tasks and projects with Township Officials, the Business Administrator, Township Engineer, and Public Works, Facilities and Utilities Department Superintendents. Our team also provides Engineering compliance reviews and site inspection for site plans and subdivisions with focus on the proposed utilities. Our professionals provide scoping, help identify and secure funding assistance (loans/grants), provided technical evaluation and guidance, engineering design, regulatory permitting, assistance during public bidding, and routinely provide engineering services during construction on a variety of capital projects including: roadways, culverts/bridges, traffic signals, water supply inclusive of production wells, treatment plant upgrades, storage, and distribution; wastewater collection and conveyance; and stormwater management and compliance with the Township's NJDEP Tier A MS4 permit requirements; parks and recreation improvements; and buildings and facilities upgrades.

Our Lead Representative and Primary Consulting Engineer to the Township, Eric C. Betz, PE, BCEE, CME, (FPA's Vice President & Director of Infrastructure) provides support to the in-house Engineering and Utilities Departments and manages our team of professionals, to enable them to deliver challenging tasks and projects on time and on budget. Mr. Betz has served the Township in various capacities for over thirty years.

Client

Township of Freehold

Reference

Peter R. Valesi, PE
Township Administrator
732.294.2001

Matthew J. Bryant, PE, CME, CFM
Township Engineer
732.294.2071

Services

- Municipal Engineering Services
- Water and Wastewater
- Civil / Site
- Highway and Traffic
- Environmental
- Geotechnical
- GIS
- Landscape Architecture
- Building Design
- Water Resources
- Construction Engineering
- Surveying
- Regulatory Permitting

Consulting City Engineer

City of New Brunswick, New Jersey



French & Parrello Associates (FPA) serves in the role of Consulting City Engineer for the City of New Brunswick, also known as the “The Hub City”, reporting to the City’s Director of Engineering and Public Works and the City Administrator. Our talented team of professionals led by Eric C. Betz, PE, BCEE, CME, City of New Brunswick’s Consulting City Engineer and FPA’s Vice President & Director of Infrastructure, provides Municipal Engineering support services to the City Engineering and Water Utility on a routine basis and we maintain weekly office hours in the City’s Engineering Department.

FPA’s team of diverse subject matter experts assist the City in managing and delivering tasks and projects under their day-to-day operations as well and with various capital projects necessary for the City’s complex and aged sanitary, water and stormwater systems, roadways, culverts, parks, buildings, and other municipal infrastructure. FPA provides on-call licensed land surveying support, design and drafting support, engineering design, environmental and regulatory permitting assistance, public bidding assistance, and construction phase engineering services inclusive of administration and inspection services. Our team assists with capital project planning, budgeting, and implementation.

Furthermore, we assist with review of developer applications for compliance with City, County, State, and industry standards and providing compliance inspections for Board applications and capital projects. This role affords us the opportunity to provide survey, engineering, environmental and construction management, and inspection services for this bustling city with a population of more than 55,000, which is also a commercial hub in central New Jersey and home to Rutgers, The State University of New Jersey, and several major hospitals, pharmaceutical companies, and is also known as one of the state’s and region’s leading hubs for research and innovation.

Client

City of New Brunswick

References

Michael K. Drulis, MPA
City Administrator
732.745.5007

Thomas D. Valenti
Director of Engineering and Public Works
732.745.5056

Services

- Municipal Engineering Services
- Water and Wastewater
- Civil / Site
- Highway and Traffic
- Environmental
- Geotechnical
- GIS
- Landscape Architecture
- Building Design
- Water Resources
- Construction Engineering
- Surveying
- Regulatory Permitting

Dorothy Street Pump Station Rehabilitation

Carteret Borough, New Jersey



The Dorothy Street Sewage Pump Station, which was last upgraded in 2001 and is one of six sewage pump stations in the Borough, was experiencing problems and equipment failures. The most recent failure resulted in the station operating on a single pump and a temporary emergency bypass pump system. Prior to rehabilitation, the pump station was equipped with two 30-horsepower sewage pumps and was originally rated to convey approximately 2.3 million gallons per day.

In order to address the ongoing deficiencies, French & Parrello Associates (FPA) was retained to evaluate the pump station, provide recommendations to the Borough, and ultimately design the upgrades necessary to rehabilitate the pump station, to improve its efficiency and extend its useful life.

FPA's scope included the replacement of two raw sewage pumps, motors and VFDs; replacement of the Main Control Panel inclusive of all pump controls; replacement of the main power supply to the pump station and all light fixtures; replacement of the HVAC system and controls within the building; evaluation of the existing generator to determine if it should be replaced; architectural improvements to the building; and minor site improvements.

Client

Borough of Carteret

Reference

John P. DuPont, PE, PP, CME
Director of Engineering
Borough of Carteret
dupontj@carteret.net

Services

Preliminary and Final Design
Contract Documents
Bid Phase Assistance
Construction Observation

Monmouth County Geotechnical Engineering On-Call

Monmouth County, New Jersey



FPA has provided Monmouth County with comprehensive, responsive geotechnical engineering services under this on-call, task-based contract for more than a decade.

FPA's robust Geotechnical Department, which features more than a dozens professionals, is responsible for a range of engineering services, including planning and conducting subsurface exploration programs; performing soils laboratory testing; geotechnical engineering analysis and design for bridges, roadways, buildings, retaining walls, appurtenant roadway structures and slopes; and related surveying and permitting services.

Among the variety of geotechnical tasks conducted, all in accordance with the NJDOT and AASHTO design manuals, include:

- Roads, bridges, and pedestrian bridges
- Dams
- Drainage and stormwater management
- Traffic, including signals
- Buildings and facilities
- Parks and recreation facilities

Client

Monmouth County

Reference

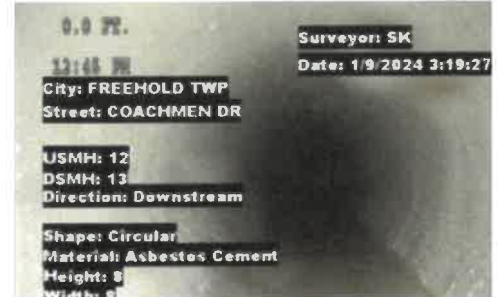
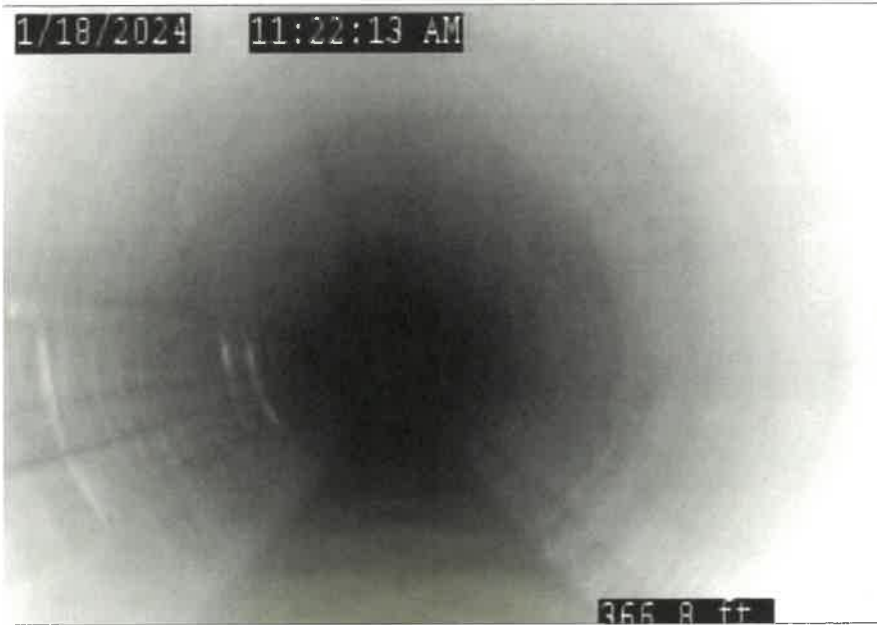
Joseph Ettore, PE
County Engineer
732.431.7760

Services

Concept Development Studies
Planning
Preliminary Engineering
Final Design
Specialty Consulting
Geotechnical Engineering

Rt 9 South & Coachman Drive Sanitary Sewer Rehabilitation

Freehold Township, Monmouth County, New Jersey



French & Parrello Associates (FPA) provided engineering services for the design, permitting, bid, and construction of the Route 9 South and Coachman Drive Sanitary Sewer Rehabilitation Project. FPA was able to identify 4,340 linear feet of asbestos cement pipe (ACP) sanitary sewer along State Highway Route 9 South and Coachman Drive, that was deteriorated, experienced frequent build-up of oil and grease, and segments that were suspected to be damaged since the Township Utility Department’s cleaning equipment (jet nozzle) became lodged in the sewer. Accordingly, based upon the age, material, deterioration and damage to the ACP sewers in the reaches described, FPA recommended the rehabilitation of the ACP sewers. Since the sewers are located along the right-of-way of State Highway Route 9 and within improved residential roadways, it was preferred to rehabilitate and upgrade these sewers without open-cut excavation. As such, FPA designed, bid, and provided construction services for the rehabilitation of the sanitary sewer with cured in-place pipe (CIPP) liner that improved the structural integrity of the sewers, improved the flow characteristics, reduced the potential and frequency of oil and grease build-up, and extended the useful life of the sewers for several decades.

Client

Township of Freehold

Reference

Timothy F. Keune
Freehold Township Superintendent of Utilities
732.297.2170

Services

Wastewater Engineering

Koenig Lane Water Treatment Plant Ion Exchange Media Replacement and Filter Upgrades

Freehold Township, Monmouth County, New Jersey



French & Parrello Associates (FPA) provided engineering services for the design, bid, and construction of the Koenig Lane Water Treatment Plant (WTP) Ion Exchange Filter Media Replacement and Filter Upgrades project. The Koenig Lane WTP is one of the Township's three (3) WTPs. The WTP has been in service since 1957 consisting of three (3) ion-exchange filters for iron and manganese removal along with chemical feed systems. Chemical feed facilities include lime for pH adjustment, sodium hexametaphosphate as a filter aid, hydrofluosilicic acid for fluoridation, a blended ortho-polyphosphate for corrosion control, and sodium hypochlorite for disinfection. Through sampling and monitoring the condition of the ion-exchange media, it was determined that the media was at the end of its useful life and needed to be replaced. As such FPA designed and prepared Contract documents for the replacement of media, and filter upgrades. Filter upgrades included replacement of the filter underdrains that had also reach the end of their useful life. The project was successfully designed, bid, and constructed within seven months of authorization prior to the Township's high water demand period, July-August. This project extended the useful life of the filters and plant as a whole to continue to provide safe and reliable drinking water to the community.

Client

Freehold Township

Reference

Timothy F. Keune
Freehold Township Superintendent of Utilities
732.297.2170

Services

Water Engineering

Pleasure Bay Main Influent Pump Station and Interceptor

Monmouth Beach and Oceanport, New Jersey



FPA performed geotechnical engineering and professional surveying services related to the project which included preliminary design of the replacement of an existing 48-inch diameter sanitary interceptor sewer pipe which crosses Pleasure Bay. The new sewer pipe is anticipated to be installed via micro-tunneling. A jacking shaft will be installed on Highland Avenue in Monmouth Beach and a receiving shaft will be installed at the Oceanport terminus within Sommers Point Boy Scout Park. A limited segment of pipe will also be completed from the Highland Avenue jacking shaft via trenchless technology extending in a northeast direction to a new Main Influent Pump Station. FPA performed a subsurface exploration and geotechnical engineering assessment to facilitate the planning, design and construction of the proposed interceptor sewer pipe and pump station. Our scope of work included the advancement of test borings, a geotechnical engineering assessment of the subsurface conditions encountered and the preparation of a geotechnical assessment report. Our professional surveying services consisted of the preparation of a bathymetric survey of the project limits within Pleasure Bay.

Client

Two Rivers Water Reclamation Authority

Reference

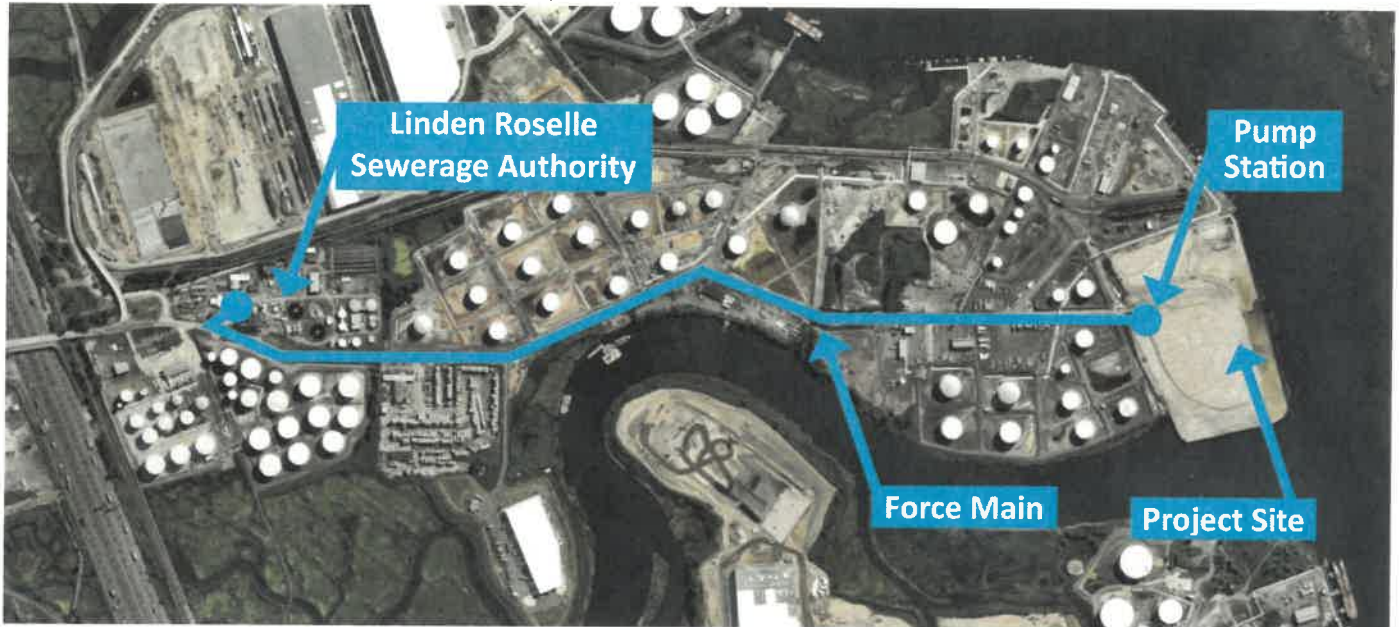
Michael A. Gianforte, PE
732.229.8578

Services

Geotechnical Engineering
Surveying services

Linden Renewable Energy Facility - Sanitary Sewer Extension

Linden, New Jersey



French & Parrello Associates (FPA) provided surveying, geotechnical, engineering design and permitting for a pump station and force main project for the Linden Renewable Energy Facility located in Linden, New Jersey. The project involved the design and permitting for a new pump station and approximately 6,800 linear feet of 8" force main to provide sewer service the Linden Renewable Energy Facility. The pump station and force main were designed to handle sewer flow of 400,000 gallons per day. The Linden Renewable Energy Facility processes organic food waste into synthetic gas which is then piped into Elizabethtown Gas Distribution System.

There were many project challenges including performing sewer conveyance capacity analysis to demonstrate that the Linden Roselle Sewerage Authority's sewer system can handle the additional sewer flow, design directional drilling of the force main within the main industrial roadway and obtaining approval from New Jersey Department of Environmental Protection.

FPA successfully obtained approval from New Jersey Department of Environmental Protection, including Treatment Works Approval and Land Use Permitting for the Pump Station and force main project. The project is anticipated to start construction the Summer of 2023.

Client

Linden Renewable Energy, LLC

Reference

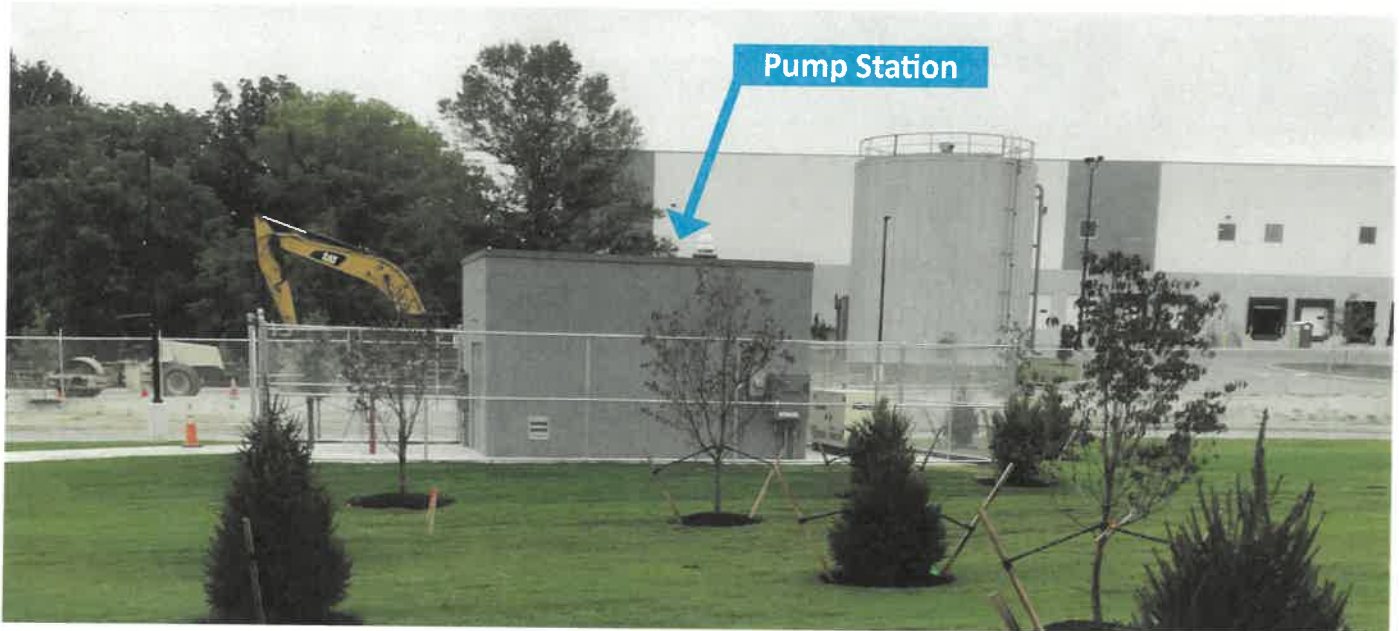
Andy Shea
Linden Renewable Energy, LLC
914.441.7634

Services

Survey
Permitting
Geotechnical Engineering
Engineering Design
Construction Support Services

Mansfield Industrial Park - Sewer Improvements

Mansfield Township, New Jersey



French & Parrello Associates (FPA) provided surveying, geotechnical, engineering design, permitting and construction support services for a pump station and force main project for Mansfield Township, NJ. The project involved the design and permitting for a new township owned pump station and approximately 2 miles of 6" force main to provide sewer service for a new industrial park in Mansfield Township, New Jersey. The pump station and force main was design to service approximately 2 million square feet of warehouse distribution facilities to be located adjacent to I-295 in Mansfield Township.

There were many project challenges including the obtaining approval to amended the State of New Jersey Water Quality Management Plan to allow the industrial park to be designated for Public Sewer Area, obtaining approval from the City of Burlington and Township of Burlington to allow construction of the force main within their township/city limits even though the force main was to be owned and operated by Mansfield, performing sewer conveyance capacity analysis to demonstrate that the Burlington Township sewer system can handle the additional sewer flow from Mansfield Township industrial park, construction of force main with Burlington County roadway, obtaining approval from New Jersey Department of Transportation to allow the directional drilling of the force main below I-295 and obtaining agreement from the City of Burlington for the treatment of the sewer flow.

FPA successfully obtained approval from New Jersey Department of Environmental Protection, New Jersey Department of Transportation and Burlington County for the Pump Station and force main project. The project was constructed and completed in 2019.

Client(s)

MRP Industrial
Mansfield Township

Reference

Brian Peterson
MRP Industrial
bpeterson@mrpindustrial.com
267.907.3026

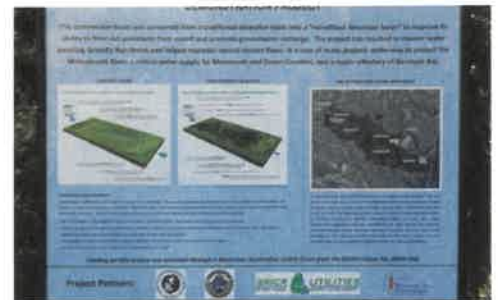
Douglas Johnson, PE
Township Engineer
908.689.6151

Services

Survey
Geotechnical Engineering
Engineering Design
Permitting
Construction Support Services

Moses Milch Drive Detention Basin

Howell, New Jersey



The existing detention basin at Moses Milch Drive in Howell Township, NJ, receives runoff from the residential development along Moses Milch Drive, and discharges the runoff with little to no water quality treatment into Gravelly Run, which in turn flows into the Metedeconk River. Metedeconk River is the primary source of drinking water supply for Brick Township Municipal Utilities Authority (BTMUA).

BTMUA retained French & Parrello Associates (FPA) to provide engineering design and construction observation services to convert the existing detention basin to an extended bio-retention basin to provide water quality treatment improving the quality of stormwater runoff leaving the basin. The project was completed through a partnership between Brick Utilities and Howell Township with funding from the New Jersey Department of Environmental Protection. The design included removal of the existing low flow channel and underdrains, modifying the existing outlet control structure to increase detention time allowing for settlement and removal of the suspended solids, loosening the compacted soils within the basin and using native water tolerant plants and a special mixture of soils to filter out pollutants and promote infiltration of stormwater runoff. Due to the basin's size, individual plants were installed with erosion control matting and coils as opposed to seed in order to ensure better vegetative cover establishment.

Two bio-retention basins were also designed along the roadway to treat runoff from a portion of the road that discharged directly to Gravelly Run bypassing the basin. The project was completed in November 2015, and has been used through the years as a teaching tool to educate citizens about the importance of stormwater management in promoting a healthy environment.

Client

Brick Township Municipal Utilities Authority

Reference

Joseph Dimatteo
732.458.7725

Services

- Engineering Design
- Geotechnical Engineering
- Survey
- Detention Basin Retrofit
- Construction Administration

NJAW Water Main Extension

Mansfield Township, New Jersey



French & Parrello Associates (FPA) provided surveying, engineering design, permitting and construction support services for a water main extension for New Jersey American Water Company (NJAW) in Mansfield Township, New Jersey. The project involved the design and preparation of construction documents for 1.5 miles of new 16" water main to support the future development of an industrial park.

There were several project challenges including construction of the water main in a County roadway, construction of the water main under a portion of New Jersey Turnpike Extension, obtaining License to Cross approval from New Jersey Turnpike Authority, directional drilling under Crafts Creek, obtaining NJDEP Land Use approval and obtaining NJDEP Water Main Extension Permit. FPA coordinated and managed the water main extension project and successfully obtained all the necessary permits and approvals from Burlington County, New Jersey Turnpike Authority and New Jersey Department of Environmental Protection.

FPA performed construction support services during the installation of the water main including construction management services, construction inspection services, survey stakeout, reviewing of material shop drawings, responding to RFI's, payment review and project closeout services. The water main extension project was constructed and completed in 2020.

Client

VA Florence Company

Reference

Jeff Camp
VA Florence Company
610.940.9220

Ruth Gavel
NJAW
856.549.8604

Services

- Survey
- Permitting
- Engineering Design
- Construction Support Services

Water Main Extension for Plainsboro Healthcare Campus

Plainsboro, New Jersey



French & Parrello Associates (FPA) provided surveying, engineering design, permitting and construction support services for a water main extension for New Jersey American Water Company to support the Healthcare Campus located in Plainsboro Township, Middlesex County, New Jersey. The project involved the design and preparation of construction documents for over 5,000 linear feet of new 8" water main to support the future development of the Healthcare Campus which includes a new Hospital, Medical Office Building, Fitness Wellness Center, Assisted Living Facility and Day Care Center.

There were several project challenges including designing and construction of the water main to support the future development of the campus, extension of the water main from Route 1 to Campus Road, obtaining New Jersey Department of Transportation approval, obtaining New Jersey Department of Environmental Protection and meeting the project schedule to allow the opening of the new hospital in a timely manner.

FPA performed construction support services during the installation of the water main including construction management services, construction inspection services, survey stakeout, reviewing of material shop drawings, responding to RFI's, payment review and project closeout services. The water main extension project was successfully constructed and completed in 2018.

Client

Princeton Healthcare System (PHCS)

Reference

Dann Dingle
PHCS
609.853.6186

Joseph Davignon
NJAW
908.431.3223

Services

Survey
Permitting
Engineering Design
Construction Support Services

NJAW Water Main Extension

Somers Point, New Jersey



French & Parrello Associates (FPA) provided surveying, engineering design, permitting and construction support services for a water main extension for New Jersey American Water Company in Somers Point, New Jersey. The project involved the design and preparation of construction documents for 3,500 feet of new 12" water main to upgrade the existing system.

The project required the determination of utility conflicts along the new watermain alignment to ensure proper looping and reconnection of existing service stubs. The project also required the design of significant traffic control measures due crossing New Jersey State Route 9. FPA coordinated and managed the water main extension project and successfully obtained all the necessary permits and approvals from Atlantic County, New Jersey Department of Transportation, and New Jersey Department of Environmental Protection.

FPA performed construction support services during the installation of the water main including construction inspection services, survey stakeout, reviewing of material shop drawings, responding to RFI's, payment review and project closeout services. The water main extension project was constructed and completed in 2006-2007.

Client

New Jersey American Water

Reference

Jim Schaller
856.824.2568

Services

Survey
Permitting
Engineering Design
Construction Support Services

Great Adventure WTP Tank CES

Jackson, NJ



French and Parrello Associates (FPA) provided the necessary engineering design services for the Water Treatment Plant at Six Flags Great Adventure in Jackson, New Jersey. FPA provided a field representative to observe any earthwork activities during the placement to be certain good construction practices are in order. FPA also provided a field representative to check reinforcing steel and to observe overall concrete placement activities.

FPA provided a full-service soil and concrete test in our laboratory located in our headquarters in Wall, New Jersey.

Client

Jackson Township Municipal Utilities
Authority

Reference

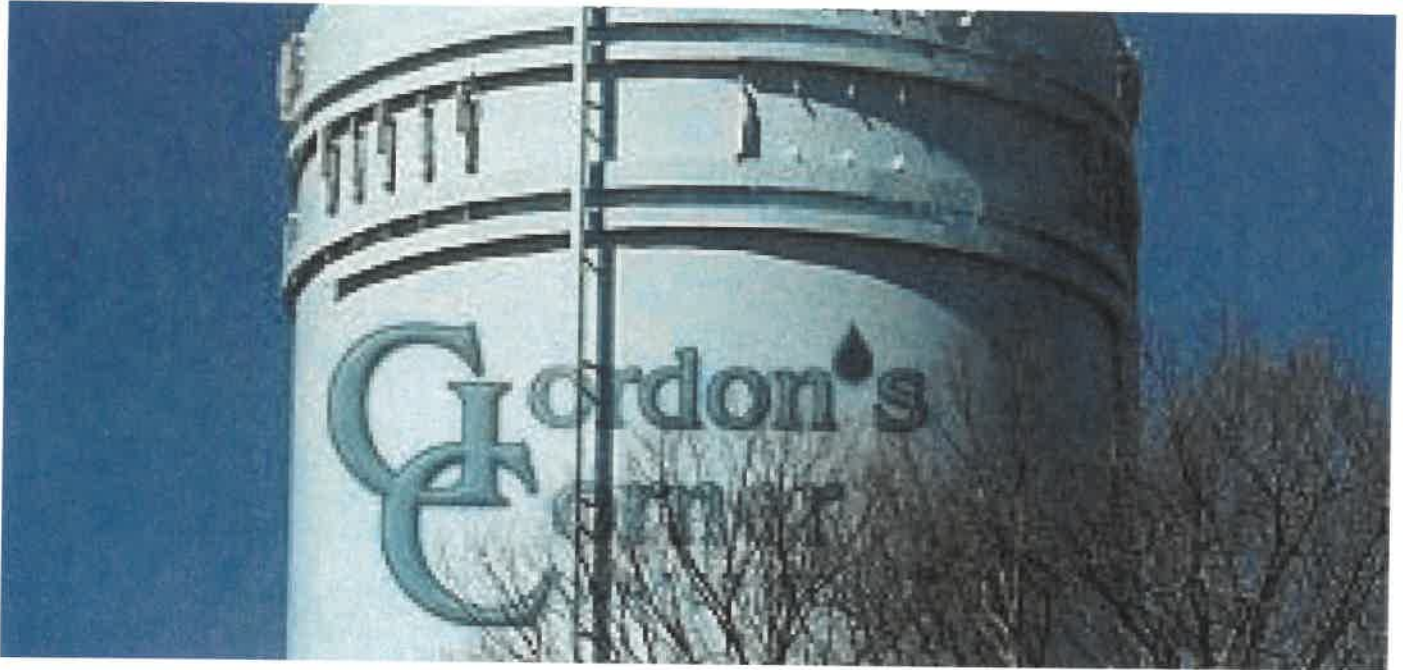
Earl Quijano
Engineer
732-928-2222

Services

Field Testing

Mohawk Drive Water Storage Tank Rehabilitation

Marlboro, New Jersey



Gordon's Corner Water Company, a water utility serving parts of Marlboro and Manalapan, initiated a project to build a new water storage tank on Mohawk Drive in Marlboro. Retained by the utility's project engineering firm, FPA was responsible for performing field observation services—as needed—for the tank installation and general earthwork procedures. Our scope of services included in-house lab testing of fill materials; verification of subgrades for general fill, foundations, and slabs; and backfill monitoring. In addition, FPA reviewed settlement data during and after filling of the tank.

Client

Hatch Mott Macdonald

Reference

Michelle Bernich
973.912.3345

Services

Construction Phase Services

Manhattan Street Water Treatment Plant

Jackson, New Jersey



FPA, in association with our subconsultant O'Brien & Gere, provided Construction Phase Services for the construction of a 4.4 MGD Water Treatment to replace the existing 2.88MGD Manhattan Street Water Treatment Plant. These services included a part-time on-site presence to monitor construction progress and installation of critical elements of the facility, shop drawing review, processing of requests for information and clarifications of the design document, verification of construction in accordance with the approved plans and specifications, Special Inspections in conformance with the IBC, chairing of construction progress meetings and monthly meetings with the Owner and construction team and interaction with NJDEP representatives to facilitate their observations of the construction progress. This project was funded through the New Jersey Environmental Infrastructure Trust Fund which has specific project documentation procedures and submittals to the NJDEP for cost reimbursement. The construction cost is \$8.3 Million with an 18 month contract duration.

Client

Jackson Township Municipal Utilities Authority

Reference

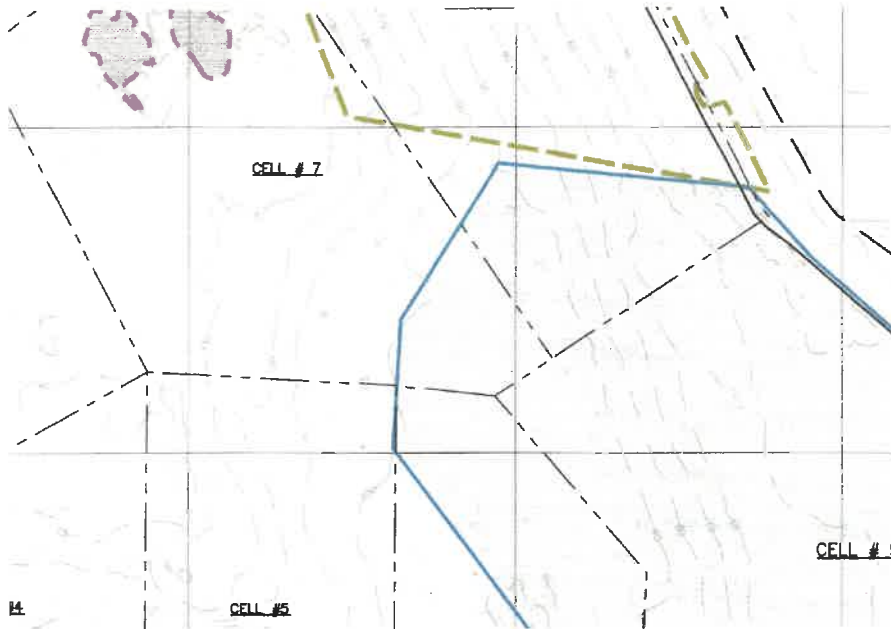
David Harpell
732.928.2222

Services

Construction Phase Services

ACUA Topographic Survey and Report (2016-2023)

Egg Harbor Township, New Jersey



French & Parrello Associates (FPA) is currently serving as the Authority's engineer responsible for preparing the GASB Closed Cell Topographic Survey and Volume report, the NJDEP Annual Topographic Survey and Report, and the Biennial Closure/Post-Closure Care Plan Update. These reports are prepared for the ACUA to fulfill NJDEP regulatory reporting requirements and are used by the ACUA for current and future planning of site improvements.

Client

Atlantic County Utilities Authority

Reference

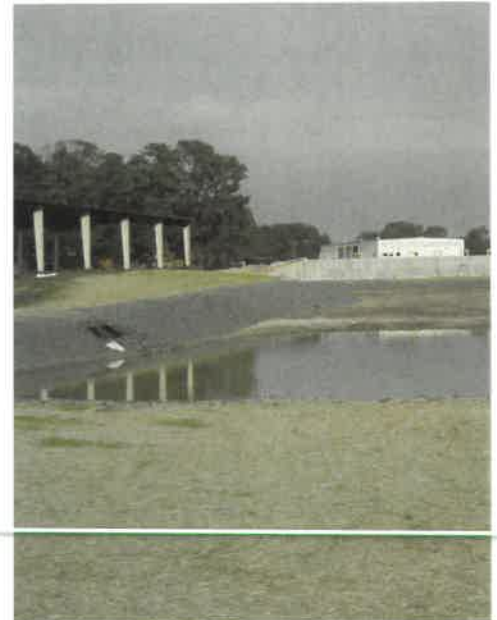
Gary Conover
Vice President of Solid Waste
609.272.6950

Services

Annual Topographic Survey and Report
Biennial Closure/Post-Closure Care Plan Update

Cumberland County Solid Waste Complex

Deerfield, New Jersey



French & Parrello Associates (FPA) provided Resident Engineering and Contract Administration Services during construction of five concurrent projects for the Cumberland County Improvement Authority (CCIA). All five projects are located at the Cumberland County Solid Waste Complex located in Deerfield, New Jersey.

Project 1: Commercial Convenience Center and Associated Improvements include a new transfer station, four double Transtor units, a prefabricated guardhouse, sediment basin/fire protection pond, utilities, asphalt access roadways and parking.

Project 2: Equipment Storage and Maintenance Facility includes an equipment garage with new electrical service, voice and data equipment, a vehicle fueling station, new access roads and parking areas, stormwater basin, utilities, water well, storage tank for fire protection, and a segmental block retaining wall.

Project 3: Leachate System Improvements include demolition of an existing lift station, installation of treated leachate piping, a new load out building, pump house modifications, containment pads, drainage structures, installation of an emergency generator for landfill gas flare, and voice and data communications equipment.

Project 4: Administration/Maintenance Building Modifications include demolition, rehabilitation, renovations, and installation of a new emergency generator and voice and data communications equipment.

Project 5: Material Separating Facility Modifications include interior building conversions, construction of paved areas, stormwater facilities, electric service, sanitary sewer service, and construction of a new mechanical room. Renovations include a new concrete floor slab, incorporating a new radiant heating system, and installation of voice and data communications equipment.

Client

Cumberland County Improvement Authority

Reference

Gerard Velazquez, III
President/CEO
856.825.3700

Services

Resident Engineering
Contract Administration
Site Engineering
Survey Services
Structural & MEP Design
Traffic Engineering
Solid Waste Engineering
Permitting Services

Cumberland County Solid Waste Complex

Deerfield, New Jersey



French & Parrello Associates (FPA) provided professional engineering services consisting of Title V Air Permit management, New Source Performance Standards (NSPS) monitoring, landfill gas (LFG) monitoring, LFG system balancing, LFG system design, liquids addition reporting and other compliance services.

FPA conducts enhanced monitoring of the landfill gas collection system to optimize the gas quality. The landfill gas is utilized by the onsite power plant to generate electricity for up to 3,600 homes. FPA inherited an existing LFG Collection and Control System (GCCS) that had been neglected and was unbalanced. FPA balanced the network of over 100 LFG collection wells. The collection portion of the system consists of vertical extraction wells, horizontal collectors, and trench collectors. Vacuum is applied to these collection devices to extract the LFG which is transported via pipeline to the onsite electricity generating station.

FPA performs detailed weekly monitoring of the GCCS including analyzing the produced gas quality and adjusting the GCCS as needed to improve gas quality. FPA compiles monthly, quarterly, and annual compliance reports. FPA prepared plans and specifications of the Phase IX GCCS expansion and is currently designing the next phase. FPA oversaw the construction of the new GCCS infrastructure by CCIA staff who installed gas collection, leachate collection, and air supply piping.

FPA also provided survey and oversight services for the installation of 15 new vertical extraction wells. FPA performed the system startup and has balanced the newly constructed wells. FPA deployed several leachate extraction pumps to prevent leachate blockages in the newly-installed collection wells. This increased the LFG collection efficiency significantly. Based upon monitoring data obtained since the completion of construction, the Phase IX expansion collects enough landfill gas to generate power for approximately 530 homes.

Client

Cumberland County Improvement Authority

Reference

Gerard Velazquez, III
President/CEO
856.825.3700

Services

Solid Waste Engineering
Landfill Gas Collection System Design
Operation & Maintenance
Title V Air Permitting
Reporting & Compliance

Gloucester County Solid Waste Complex

Swedesboro, New Jersey



French & Parrello Associates (FPA) has provided Quality Assurance Inspection Services for the expansion of the Gloucester County Solid Waste Complex. This expansion included Cell 11A and Cell 13 and each are approximately 10.8 acres in size. We are functioning as the Third-Party independent review firm, providing QA review over the Project Control Control (QC) Consultant and reporting directly to the NJDEP. The landfill liner system is a double-composite containment system, utilizing natural and synthetic materials, with the required testing and verification protocol required by the New Jersey Administrative Code (NJAC) for Landfills. Since this landfill will be employing bioreactor landfill technology utilizing leachate recirculation, a composite liner of clay and a geo-membrane was required by state and federal regulation.

Client

Gloucester County Improvement Authority

Reference

George Strachan,
Executive Director
Gloucester County
Improvement Authority
856.224.8701

Services

Quality Assurance Inspection
Solid Waste Engineering

Middlesex County Landfill - Contact Stormwater Basin

East Brunswick, New Jersey



French & Parrello Associates (FPA) provided design engineering services in connection with the construction of a contact stormwater basin to provide storage of peak flow landfill runoff and gradual conveyance into the leachate conveyance lines for transmission to the central wastewater plant for treatment and disposal. The basin covers approximately six acres and utilizes a double containment section with an asphalt surface to provide for easier cleaning. Our scope of services included hydrology calculations and the generation of infiltration and run-off volumes. The basin was designed to include both Solid Waste and Dam Safety parameters in the NJAC. The project included precast stormwater and precast post-tensioned contact stormwater culverts, precast wingwalls and footings and 4,400 linear feet of rip-rap channel. Our services also include the preparation of construction plans and specifications for submission to NJDEP, Resident Engineering Services and Contract Administration including shop drawing and submittal reviews.

Client

Middlesex County Utilities Authority


Reference

Robert Leslie, PE
Landfill Engineer
732.246.4313

Services

Hydrology Calculations
Preparation of Construction Plans &
Documents
Resident Engineering
Contract Administration





Section 3 **Staff Qualifications**

ORGANIZATION CHART
 2025 Engineering Services – Water Division and
 2025 Engineering Services – Solid Waste Division



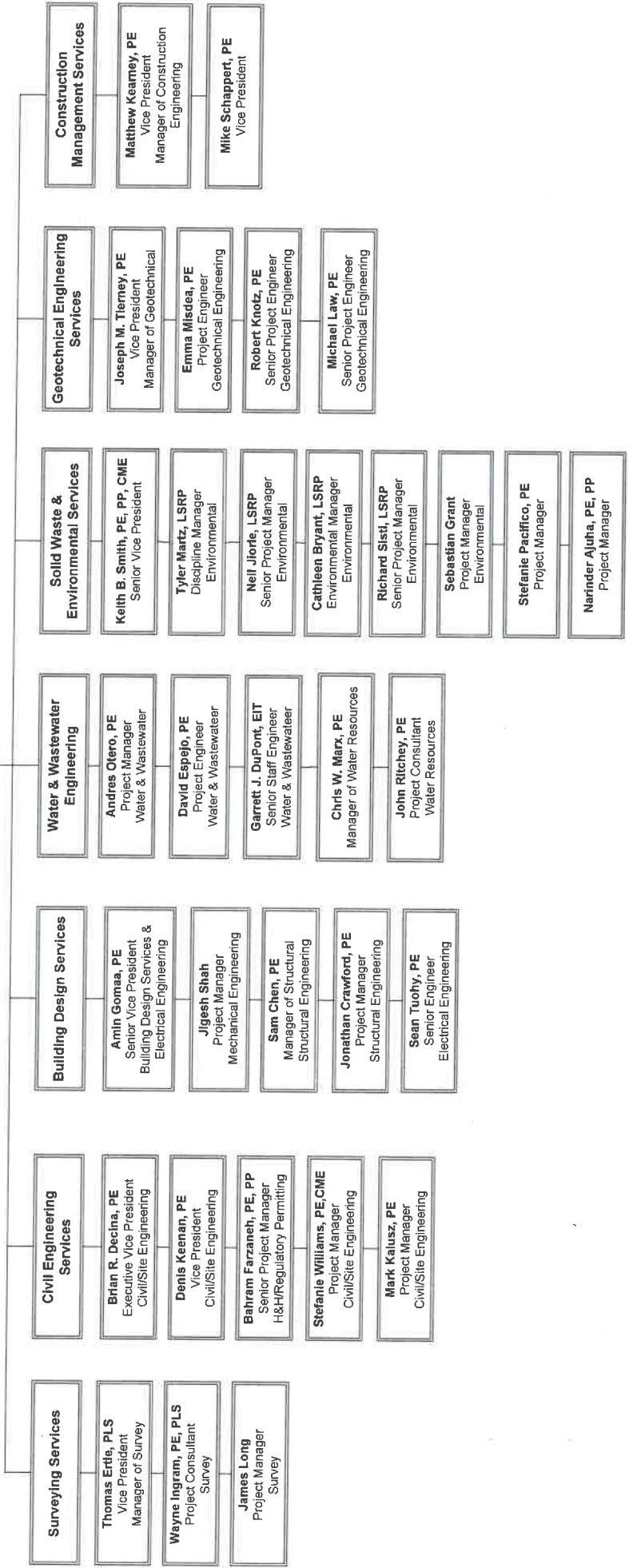
EXECUTIVE TEAM
 Steven A. Tardy, PE – President & CEO
 Andrew L. French, PE – Executive VP & COO
 Matthew S. Gizzi, PE – Executive VP & CFO

Eric C. Betz, PE, BCEE, CME
 Vice President & Senior Project Consultant
 Point of Contact / Lead Representative

Brian T. Dougherty, PE, BCEE
 Project Director
 Manager of Water & Wastewater

Alexander Saltzman, LSRP
 Senior Project Manager
 Solid Waste Lead

Matthew Voelkel, PE
 Project Manager
 Water Lead





Eric C. Betz, PE, BCEE, CME

Vice President

Director of Infrastructure

Mr. Betz, who has recently joined FPA as Vice President, and Director of Infrastructure and Water & Wastewater services, has over 30 years of experience providing consulting engineering services to local governments, municipal and regional utilities authorities, counties, water companies, state agencies and private clients. His primary area of expertise is in water and wastewater engineering however he has well-rounded experience profile having worked across other sectors including transportation, built environment and energy.

Career Snapshot

- Over 30 years of experience

Education

- MS, Civil/Environmental Engineering, Rutgers University
- BS, Civil/Environmental Engineering, Rutgers University

Registrations / Licenses

- Professional Engineer: NJ
- Certified Municipal Engineer: NJ
- Board Certified Environmental Engineer (W/WW)

Affiliations

- American Academy of Environmental Engineers & Scientists (AAEES)
- American Council of Engineering Companies (ACEC)
- American Society of Civil Engineers (ASCE)
- American Water Works Association (AWWA)
- New Jersey Society of Municipal Engineers (NJSME)
- Utility and Transportation Contractors Association of NJ
- Rutgers University SOE CEE Industry Advisory Board
- Columbia University School of Engineering CBIPS, Board Member

While working for his former employer, Mott MacDonald (f/d/b/a Hatch Mott MacDonald and E.T. Killam Associates), where he worked for 29 years, he has designed, managed and provided oversight for infrastructure projects of varying magnitudes and levels of complexity. Mr. Betz, most recently served as Senior VP and Principal, where he was Development Manager for US Northeast Region, which included approximately 800 staff working in 15 offices spanning from New England to DC Metro area and westward to Cleveland, OH, Pittsburg, PA, Buffalo, NY and Chicago, IL. He was responsible for developing business strategy and growth objectives for this region. Mr. Betz routinely tracked hundreds of active opportunities with an aggregate gross revenue value of between \$500m and \$1B (pipeline of work). He was responsible for supporting sector and practice leaders, and commercial managers, and promoted internal and external collaboration to deliver critical infrastructure projects.

Over his three plus decades in the industry, he has served public agencies (municipalities, counties, states, federal, utility authorities, transportation authorities) as well as private clients across many industries. Mr. Betz has successfully assisted clients with identifying and receiving funding through various local, state, and federal programs to help them deliver their capital programs. He has been responsible for advisory, planning, permitting, designing, and providing construction phase engineering services for numerous infrastructure improvement projects throughout the region that are in use today, benefitting the health, safety, and welfare of the public.

His charge at French & Parrello Associates includes leading the firm's Infrastructure team which includes FPA's Water & Wastewater, Water Resources & Dams, Solid Waste Management, and Municipal Services groups. He has been instrumental in developing new business, fostering relationships with existing clients and managing and delivering challenging and innovative projects for the firm. His background in Municipal Engineering and utilities has provided a strong foundation for the development and growth of the firm's Infrastructure Team.



Brian T. Dougherty, PE, BCEE

Senior Project Consultant | Manager of Water & Wastewater

Mr. Dougherty has more than 28 years of extensive experience in the water and wastewater sector and has designed and managed hundreds of utility and infrastructure projects. His experience includes providing consulting engineering services to local governments, municipal and regional utility authorities, counties, private water companies, state agencies and private clients.

Mr. Dougherty's experience includes the design, permitting, and construction management of a variety of water and wastewater infrastructure. This project experience has included water supply wells, water treatment plants, transmission and distribution mains, and water storage tanks as well as gravity sewer replacements and extensions, sewage pump stations and force mains, and wastewater treatment. He has completed projects involving specialized pipeline designs including horizontal directional drill installations, jack-and-bore and micro-tunnel crossings of critical infrastructure, and pipeline rehabilitation using various techniques. His facility project experience includes new construction, retrofits, and rehabilitation of plant facilities of varying ages, conditions, and capacities. He has also worked on several design-build projects in the role of lead designer and design-build team leader.

Mr. Dougherty has developed condition assessments of water and wastewater facilities and infrastructure. His experience includes feasibility studies and assessments to identify necessary upgrades to water and wastewater infrastructure to meet future conditions. His planning experience includes water and sewer master planning efforts that have included demand and build-out projections and the development of and analysis using hydraulic computer models.

Mr. Dougherty has successfully assisted clients with identifying and receiving funding through various local, state, and federal programs to help them deliver their capital programs, including the NJ State Revolving Fund (iBank), USDA Rural Development and other regional programs.

A licensed engineer in multiple states and a board-certified environmental engineer, Mr. Dougherty has managed water and wastewater engineering departments at other consulting firms during his professional career. As the Water & Wastewater Discipline Manager at FPA, Mr. Dougherty provides managerial direction and supervisory control to develop, manage, promote, and integrate all aspects of the department's operations to meet client needs and achieve department and firm objectives.

Career Snapshot

- Over 28 years of experience

Education

- BS, Civil & Environmental Engineering, Rutgers University
- MS, Civil & Environmental Engineering, Rutgers University

Registrations / Licenses

- Professional Engineer: NJ, NY, PA
- Board Certified Environmental Engineer (W/WW)

Affiliations

- American Water Works Association
- NJ Water Environment Association
- American Academy of Environmental Engineers & Scientists



Matthew G. Voelkel, PE

Project Engineer | Water & Wastewater

Mr. Voelkel has provided engineering services for a wide variety of projects involving water and wastewater facilities as well as civil site design. He has experience with surveying, detailed engineering design utilizing 3D computer-aided design (Civil3D), and construction and inspection practices. He has participated in the design and preparation of plans and specifications and permitting for water and wastewater treatment plants, distribution mains, water supply wells, gravity sanitary sewer mains, sanitary force mains, municipal roadway construction, and airfield/military facilities.

Mr. Voelkel's responsibilities include performing detailed engineering calculations, analyses, evaluations, and studies as well as preparing high quality construction plans and specifications. In addition to project and staff management, he has also assisted in the development of permit documents.

Career Snapshot

- Over 10 years of experience

Education

- BS, Environmental Engineering, State University of New York College
- MS, Environmental Engineering, Manhattan College

Registrations / Licenses

- Professional Engineer: NJ, NY

Affiliations

- American Society of Civil Engineers (ASCE)



Alexander Saltzman, LSRP

Senior Project Manager | Environmental

Mr. Saltzman is a Licensed Site Remediation Professional (LSRP) with more than a decade of consulting experience working on a variety of projects featuring landfills, residential, governmental, commercial, and industrial sites. He is proficient with various environmental laws, regulations, and associated technical guidance documents that have been established for New Jersey. Mr. Saltzman also has experience navigating compliance for sites within the regulatory frameworks of New York and Pennsylvania. His expertise includes all project phases, including client relations, proposal preparation, and conceptual planning in site remediation and case closure with the appropriate regulatory agencies.

Career Snapshot

- Over a decade of professional environmental consulting experience
- Assisted international clients with transactional due diligence
- LSRPA Board of Trustees Member

Education

- BA, Environmental Studies, Richard Stockton University

Registrations / Licenses

- New Jersey Licensed Site Remediation Professional
- New Jersey Subsurface Evaluation

Specialized Training

- OSHA 40-Hour Hazardous Waste Operations Refresher Course
- DOT HAZMAT Awareness, Security & Function Specific

Affiliations

LSRP Association

- Regulatory Roundtable Instructor
- Chair of Aspiring Professionals Committee
- Chair of Marketing Committee

NJ Utility Association Committee Member

Solid Waste Association of North America – NJ Chapter

Mr. Saltzman has directed environmental investigations and remediation for various groups of contaminants, including solvents, petroleum products, metals, pesticides, polychlorinated biphenyls, and emerging contaminants, such as per- and polyfluoroalkyl substances and 1,4-dioxane, by applying his knowledge of the full range of current NJDEP Technical Guidance documents. He has assisted numerous clients in the industrial manufacturing, chemical, pharmaceutical, energy, and redevelopment sectors. Mr. Saltzman has been involved in international transactional due diligence related to property acquisition and divestiture. He also has experience coordinating large-scale, cross-functional projects requiring input from several departments and their respective project managers, including geotechnical, survey, civil, and land use permitting departments.

As an LSRP, Mr. Saltzman has prepared appropriate reports, including site investigation (SI), remedial investigation (RI), remedial action workplan (RAW), and remedial action (RA) reports for NJDEP submission and case closure. He has successfully obtained numerous remedial action permits (RAPs) for soil and/or groundwater as necessary and prepared appropriate response action outcomes (RAO).

Additional consulting experience includes oversight and regulatory compliance assistance for landfill gas collection system operation and monitoring in accordance with NSPS Subpart XXX and NESHAP Subpart AAA. Mr. Saltzman specializes in landfill gas sample collection and analysis, monthly gas collection system readings and troubleshooting, flare maintenance and troubleshooting, Greenhouse Gas Reporting, Surface Emissions Monitoring, and Perimeter Gas Monitoring.

As Senior Project Manager, Mr. Saltzman is responsible for overseeing the investigation and remediation of contaminated sites and helping to manage the daily performance of the environmental professional staff. His duties include mentoring staff, technical oversight, Quality Assurance/Quality Control review, and project implementation. Mr. Saltzman also serves as a Continuing Education Course Instructor for the New Jersey LSRP Association (LSRPA). He serves as the co-chair for the Aspiring Professionals Committee and member of Communications, Membership, and Fundraising Committees. Mr. Saltzman performs business development and strengthens relationships with the firm's clients, which range from homeowners to small businesses, corporations, public utilities, and government agencies.



Andrés Otero, PE

Project Manager | Water & Wastewater

Mr. Otero has provided engineering services for a wide variety of projects involving water and wastewater facilities as well as civil site design. His experience includes the design, permitting, and construction management of water infrastructure (treatment plants, transmission and distribution mains, and storage tanks) and wastewater infrastructure (gravity sewer replacements and extensions, sewage pumping stations, and force mains). He also has experience with preparing detailed engineering designs utilizing 3D computer-aided design (Civil3D & Revit), and facility construction inspection.

Mr. Otero's responsibilities include performing detailed engineering calculations, analyses, evaluations, and cost estimates as well as preparing high quality construction plans and specifications. He has also provided support on several design-build projects in the role of project engineer.

Career Snapshot

- Over 14 years of experience

Education

- BS, Mechanical Engineering, New Jersey Institute of Technology
- Associate Degree, Science Engineering, Ocean County College

Registrations / Licenses

- Professional Engineer: NJ



Andrew L. French, PE

Executive Vice President & Chief Operating Officer
Director of Land Development

With nearly 30 years of diverse experience and expertise, Mr. French serves as Executive Vice President and the Technical Leader of the Land Development Group. He is responsible for all services provided by Land Surveying, Site Engineering, and Landscape Architecture at FPA. His management responsibilities include client relations, business development, quality control, mentoring staff, and project implementation.

Mr. French currently serves as Consulting Engineer for the Township of Wall and has held this position since 2012. As the Consulting Engineer, he is responsible for preparing construction plans for capital improvement projects throughout the township; managing NJDOT Local Aid projects for the township; updating tax maps; and providing traffic and environmental technical support services.

With extensive experience in the planning, management, and engineering design of various land development and public improvement projects, Mr. French has successfully served as Principal-in-Charge and/or Project Manager on thousands of tasks and projects at all levels of design and construction phases from conceptual planning, preliminary engineering, final design, project approval, and construction. As a Professional Engineer, he has also provided expert testimony before numerous planning and zoning boards throughout New Jersey.

During his career, Mr. French has worked on various site plans, site feasibility investigations, educational, residential subdivisions, capital improvement, and roadway projects. His experience includes preparing various engineering, environmental, and construction permits, including New Jersey Department of Environmental Protection's (NJDEP) Freshwater Wetlands, Flood Hazard Area, and Waterfront Development, as well as Dam Safety, Adopted Coastal Permit Program Rules and Coastal Zone Management Rules, and Treatment Works Approval and water main extensions. Addition permitting experience includes preparing New Jersey Department of Transportation (NJDOT) highway occupancy permits, access driveway permits, and utility/road opening permits, as well as securing numerous municipal and county planning board approvals.

Career Snapshot

- 30 Years of Experience
- Serves as Consulting Engineer to Wall Township

Education

- BS, Civil Engineering, NJIT

Registrations / Licenses

- Professional Engineer: NJ



Denis Keenan, PE, CME, CFM

Municipal Engineering

With more than 25 years of experience, Mr. Keenan serves as Vice President and Regional Manager of the firm's Hackettstown Office. His career has focused on design, management, and construction projects throughout New Jersey, and Pennsylvania.

Mr. Keenan's work has included land development projects, new roadway designs, and existing roadway improvements, as well as drainage designs, project permitting, and highway access permits. His land development experience ranges from residential and commercial projects to schools and municipal work. His design tasks have included site feasibility studies, drainage studies, and existing conditions assessments, in addition to preparing site development plans and specifications, and construction cost estimates. In his management position, Mr. Keenan has worked with clients and partnered with numerous subconsultants, including architects, MEP engineers, structural engineers, environmental consultants, and surveyors. Mr. Keenan has successfully delivered projects in the private and public sectors.

Mr. Keenan currently serves as Municipal Engineer for Mendham Township, Chester Township, Franklin Borough, Blairstown, Hardwick, and Knowlton. He is also the appointed Planning and Zoning Board Engineer in multiple municipalities.

Mr. Keenan is responsible for municipal MS4 stormwater permitting in multiple municipalities, where he works with each to develop a yearly plan meeting the permitting requirements. Each year he manages the completion and submission of the permitting data and has met with the NJDEP during municipal stormwater audits.

Mr. Keenan has worked with municipalities to successfully prepare and obtain various grants, including NJDOT local aid grants, Green Acres grants, and Morris County trail grants. He has also worked on utilizing the grants awarded to develop projects, which have included roadway repaving, sidewalk improvements, municipal parks, and trails. Along with developing these design plans, Mr. Keenan prepared the bid packages, awarded contracts, and managed contractors during delivery.

Mr. Keenan's experience on planning and zoning boards includes reviewing applications and providing guidance for lot grading applications; drywell applications; roadway opening permits; and driveway permits.

Mr. Keenan is also a certified floodplain manager, which is a required FEMA certification for each municipality.

Career Snapshot

- Over 25 years of experience

Education

- BS, Civil Engineering, Virginia Polytechnic Institute and State University

Registrations / Licenses

- Professional Engineer: NJ, PA, NY, MD
- Certified Municipal Engineer
- Certified Floodplain Manager

Specialized Training

- NJDEP Stormwater Reviewer Training
- HEC-RAS American Society of Civil Engineers
- Stormwater Management for Engineers, Cook College



Wayne Ingram, PE, PLS, PP, CME

Project Consultant, Site/Civil

Mr. Ingram is FPA's newest Project Consultant working out of our Hackettstown regional office, with over 18 years of experience in civil site engineering and site planning. Mr. Ingram has extensive professional engineering experience, including expert testimony in site plan engineering, including conceptual site planning, solar system design, traffic circulation design, sanitary sewer systems, storm water management facilities, wetlands/flood hazard area delineation and permitting, septic system design and local and state approvals. Professional experience also includes design of vapor mitigation systems, alternative wastewater system design, and preparation of Stormwater Pollution Prevention and Spill Prevention Control and Countermeasure Plans.

Mr. Ingram has developed, designed, prepared and provided expert testimony in over 50 municipalities on all aspects of site development plans, including existing facility expansions, site modifications, and the new construction of various commercial, and residential facilities. His public work includes all aspects of consulting services including plan reviews, new facility and infrastructure design, professional testimony, and construction management and oversight.

Career Snapshot

- Over 18 years of experience

Education

- BS, Engineering Technology, NJIT
- BS, Civil Engineering, Rutgers University

Registrations / Licenses

- Professional Engineer: NJ, PA, DE, NY, MD, VA, DC, NC, SC, WV, MO, RI, MS, FL, GA, TX, AL, OH, CT
- Certified Municipal Engineer, NJ
- Certified Floodplain Surveyor, NJ
- Licensed Professional Land Surveyor, NJ
- Licensed Professional Planner, NJ

Affiliations

- New Jersey Society of Municipal Engineers
- New Jersey Society of Professional Land Surveyors



Cathleen Bryant, LSRP

Environmental Group Manager

Ms. Bryant is a Licensed Site Remediation Professional (LSRP) with 30 years of consulting experience working on a variety of projects including industrial, governmental, and commercial use sites. She is proficient with various environmental laws, regulations and associated technical guidance documents that have been established for New Jersey, Pennsylvania, and New York. Ms. Bryant has experience with all project phases including client relations, proposal preparation, investigation & conceptual planning, site remediation and ultimate case closure with the appropriate regulatory agency.

Career Snapshot

- 30 years of experience facilitating case closure on a wide range of environmental projects
- LSRP Services
- Site Remediation
- UST Subsurface Investigations
- ISRA, Due Diligence, HTRW and Compliance Assessments

Education

- B.S., Environmental Engineering, Florida Institute of Technology

Registrations / Licenses

- New Jersey Licensed Site Remediation Professional

Specialized Training

- OSHA 40-Hour Hazardous Waste Operations Refresher Course
- 8-hour HAZWOPER Site Supervisor
- Red Cross Adult First Aid and CPR Certification

Affiliations

- LSRP Association
- NJ SWEP

Ms. Bryant has directed environmental investigations for various groups of contaminants including solvents, petroleum products, metals, and polychlorinated biphenyls by applying her knowledge of full range of current NJDEP Technical Guidance documents. Ms. Bryant has experience coordinating large scale, cross-functional projects requiring input from several departments and their respective project managers: including transportation, civil, water resources and land use permitting departments. As an LSRP, Ms. Bryant has prepared reports, including complex Preliminary Assessments (PA), Site Investigations (SI), Remedial Investigations (RI), Remedial Action Workplans (RAW) and Remedial Action (RA) Reports for NJDEP submission and ultimate case closure with a Response Action Outcome (RAO).

Ms. Bryant has extensive experience with the Industrial Site Recovery Act (ISRA) Rule and has worked with owners of industrial properties to attain compliance with ISRA requirements. Additional consulting experience includes project management, project scheduling, cost estimating and cost control, contract management, oversight and documentation for subsurface investigations including soil and groundwater sampling, and performance monitoring for oil recovery and groundwater treatment systems. She is also experienced in Linear Construction Projects (LCP); hazardous, toxic and radioactive waste (HTRW) studies and assessments; Deed Notices; CEAs and engineering controls for remedial actions.

As Environmental Group Manager, Ms. Bryant is responsible for the daily performance of the environmental professional staff in the Hackettstown office. Duties include mentoring staff, technical oversight, and Quality Assurance/Quality Control document review to ensure the final deliverable product is prepared in strict conformance with applicable regulations such as N.J.A.C. 7:26B, N.J.A.C. 7:26C, N.J.A.C. 7:26E, and N.J.A.C. 7:14B. Ms. Bryant performs business development and strengthens relationships with the firm's clients, which range from small businesses to corporations, public utilities, and government agencies.



Brian R. Decina, PE, CME

Executive Vice President

Manager of Site/Civil

Mr. Decina serves as Executive Vice President and Site Engineering Services Manager for our Site/Civil Engineering Discipline at our corporate headquarters. Mr. Decina has been involved in the planning and engineering design of various land development projects, including residential, educational, commercial, industrial, and capital improvement projects. His responsibilities include the design and management of these projects from conceptual planning through final design and construction.

Career Snapshot

- 25+ years of experience
- Experience with educational facilities and sports field design
- Experience with stormwater management system design
- Experience with regulatory agency compliance
- Recipient of NJ Alliance for Action's Distinguished Engineering Award

Education

- BS, Civil Engineering, Villanova University

Registrations / Licenses

- Professional Engineer: NJ, PA, DE
- Certified Municipal Engineer, NJ

Affiliations

- National Society of Professional Engineers (NSPE)
- NJ Society of Professional Engineers (NJSPE)
- American Society of Civil Engineers (ASCE)
- New Jersey Shore Builders Association

During his career, Mr. Decina has worked on numerous residential subdivisions, site plans, and educational facility improvement projects. He has performed and managed many engineering design functions, including performing site feasibility studies, conceptual development layouts, and yield map analyses, as well as subsurface soil evaluation and permeability testing, stormwater management system design, and parking lot and circulation design. His experience also includes athletic sports field and running track design, recreational area and playground design, ADA parking and accessibility design, stormwater assessment and remediation design, sanitary sewer main extension design, and potable and fire water main system design. Additional experience includes earthwork analysis, flood plain and floodway hydraulic analysis, and roadway design, including horizontal and vertical road alignment.

Mr. Decina has been exposed to a variety of field work and construction experience, from observing test borings and test pits for subsurface soil conditions classification, to handling unforeseen site-related conflicts that arise during construction. Other field related experience includes working with surveying crews, where he served as an instrument operator and experience with data collection. He has also secured numerous municipal, county, state, and federal permits, including New Jersey Department of Environmental Protection for Freshwater Wetlands, Flood Hazard Area, CAFRA, Waterfront Development, Treatment Works Approvals, and Water Main Extensions, as well as approvals from the New Jersey Pinelands Commission and Meadowlands Commission.

Mr. Decina has also provided expert witness testimony at municipal planning and zoning boards of adjustment for numerous land development applications.

Mr. Decina is also the recipient of the Distinguished Engineering Award from New Jersey Alliance for Action for his involvement in the design, implementation, and construction oversight of Monmouth County's first two publicly accessible compressed natural gas (CNG) vehicle fueling stations. This award is presented to those who had a key role in projects promoting capital construction and infrastructure.



William E. Masol, PE, CME

Regional Manager | Northeast New Jersey

Mr. Masol serves FPA as the Regional Manager of our Newark, NJ branch office. In his role as Regional Manager of our Newark office, Mr. Masol is responsible for supervising the day-to-day activities, including managing junior staff, delegating project management responsibilities for regional projects, and assisting in FPA's business development and marketing campaigns within the region.

During his 15-plus years of experience, Mr. Masol has developed a well-rounded resume of engineering projects, including roadway resurfacing programs, roadway reconstructions, streetscape improvements, drainage improvement projects, water main reconstruction, recreational facility improvements, traffic signal installations and traffic impact studies. He has managed each phase of project development from inception and securing project funding through construction and project close-out. In addition to his design and construction experience, Mr. Masol has provided engineering services to various Land Use Boards throughout New Jersey. He is also intimately familiar with State regulations such as the Local Public Contracts Law and the Municipal Land Use Law, allowing him to provide guidance to FPA's municipal clients as these laws relate to engineering projects and development. His diverse knowledge base has proven invaluable in guiding both FPA's clients and our junior staff to successfully achieve goals.

Mr. Masol previously served as the in-house Municipal Engineer for Cranford Township. Working hand-in-hand with elected officials and the Township Administrator, he was responsible for developing the engineering department's annual operating and capital budgets and managing the design and construction of all capital improvement projects. His role involved coordinating the efforts of a team consisting of both outside consultants and in-house engineering staff. He also collaborated with the Township's public works staff to coordinate the maintenance of Township infrastructure. Mr. Masol was the named Floodplain Manager for the Township, ensuring that the Township maintained all appropriate records to maintain a Class 7 classification under the National Flood Insurance Program's (NFIP) Community Rating System (CRS) and ensure all private development met local, State and Federal standards. Mr. Masol also served as the Township's engineer of record for both their Planning Board and Zoning Board of Adjustment, reviewing all applications to ensure their compliance with the Township's ordinances and engineering standards.

Mr. Masol presently serves as the Township Engineer, Planning Board Engineer and Zoning Board of Adjustment Engineer for Chester Township in Morris County, as well as the Township Engineer for Allamuchy Township in Warren County.

Career Snapshot

- Over 15 years of experience
- Previously served as in-house Municipal Engineer for the Township of Cranford

Education

- BE, Civil Engineering, Stevens Institute of Technology

Registrations / Licenses

- Professional Engineer: NJ
- Certified Municipal Engineer: NJ

Affiliations

- New Jersey Society of Municipal Engineers (NJSME)
- American Society of Highway Engineers (ASHE)

Training

- Stormwater Management Design Review Course (NJDEP)
- Stormwater Management Rule Amendment Training (NJDEP)
- NJ Green Infrastructure Stormwater Rules (NJSPE)



Keith B. Smith, PE, PP, CME

Senior Vice President

Site/Civil

With nearly 40 years of experience, Mr. Smith has been involved in all areas of civil engineering and land development from major residential and commercial subdivisions and site plans to transportation and public improvements. He has expertise in negotiating through the municipal, county, and state approval process to bring various projects to completion. Mr. Smith's common-sense approach to difficult site conditions maximizes the development potential of a property while minimizing cost to the client. Additionally, Mr. Smith has served as the Municipal Engineer of Record, Lead Engineer and/or Planner for various planning and zoning boards performing the review and inspection of applications for development.

Career Snapshot

- Over 39 years of experience
- Extensive experience in residential and commercial development, and various types of public facilities

Education

- BS, Civil Engineering, University of Dayton

Registrations / Licenses

- Professional Engineer: NJ
- Certified Municipal Engineer: NJ

Mr. Smith's experience in the management, development, and coordination of design services for various private site development and public improvement projects includes a broad spectrum of design and planning functions such as concept design, due diligence investigations, layout, drainage, specifications, right-of-way (ROW) determinations, and local, county, and state permit applications. In addition to private sector projects, he has prepared plans and documents for various municipal and county park projects, including baseball and softball fields, public parking lots, swim club improvements, tennis courts, golf courses, and multi-purpose fields. Further, he has extensive experience preparing feasibility studies and contract documents for educational facilities, including early learning centers; elementary, middle, and high schools; and higher education from minor additions to new facilities.

Mr. Smith has also applied his experience in the land development process to the alternative energy market to advance several significant solar energy projects through the regulatory approval and construction phase. These projects include the construction of a 3.2-megawatt system on an 11-acre area that was formerly utilized as a synthetic gas production facility and the construction of a 12.5-megawatt system on approximately 65 acres of farmland. The design and approval of these projects, which are in strikingly different environments, demonstrates the experience and knowledge he provides clients. Whether it is the redevelopment of a former industrial site to bring renewed value to the property or the development of an agricultural site to provide a source of renewable energy for an intensive energy use, such as a data center, the approval process can be a convoluted and difficult route.

His knowledge of local and county permitting and approval processes, as well as those of the NJDEP Bureau of Land Use, NJDEP Tidelands, CAFRA, Waterfront Development, Army Corps of Engineers (USACE), Delaware and Raritan Canal Commission (DRCC) and soil conservation districts allowed these projects to progress through potential obstacles to successful completion.



Stefanie Williams, PE, CME

Project Manager | Municipal Engineering

Ms. Williams serves FPA as a Municipal Engineer in our Hackettstown, NJ branch office. In her role at our Hackettstown office, Ms. Williams is responsible for supervising the day-to-day activities for the office's municipalities, including construction management, capital project design, board reviews, lot grading application review, stormwater Tier A compliance requirements and various ancillary projects that occur with municipalities.

During her 10-plus years of experience, Ms. Williams's work has included a various range of projects, including roadway resurfacing programs, road preservation programs, roadway reconstructions, NJDEP MS4 stormwater compliance permitting, stormwater management facilities, streetscape improvements, drainage improvement projects, recreational facility improvements, and culvert design. In addition to her design and construction experience, Ms. Williams has provided engineering services to various Land Use Boards throughout New Jersey. She is also confidentially acquainted with State regulations such as the Local Public Contracts Law, Stormwater Management Rules, RSIS, Flood Hazard Area Control Act and the Municipal Land Use Law, allowing her to provide guidance to FPA's municipal clients as these laws relate to engineering projects and development. Her diverse knowledge base has proven invaluable in guiding both FPA's municipalities and staff to successfully achieve goals.

Ms. Williams previously served as the Staff Engineer for Branchburg Township. She was responsible for providing reviews to the Township Engineer for both the Planning Board and Zoning Board of Adjustment, reviewing all applications to ensure their compliance with the Township's ordinances and engineering standards. As an in-house staff engineer, she answered walk-in and call-in residents with questions regarding projects, road complaints, permitting process, and helped interpret engineer plans. Her responsibilities also included preparing and obtaining grants, including NJDOT local aid grants. She prepared, obtained all necessary permits, designed plans, and prepared cost estimates for various capital improvement projects. During construction, she served as an onsite engineer, providing communication to the residents about any activities that may affect them before, during and after construction, as well as ensuring the contractor followed the specification requirements.

Ms. Williams presently serves as the appointed Land Use Board Engineer for both Hope Township and Hardwick Township in Warren County. She serves as the on-call Engineer for Hardwick and Hope, in Warren County, and Franklin Borough in Sussex County. She also serves as the Assistant to the Township Engineer in Mendham Township in Morris County, Knowlton and Blairstown in Warren County.

Career Snapshot

- Over 10 years of experience
- Previously served as in-house Staff Municipal Engineer for the Township of Branchburg

Education

- BS, Civil Engineering Technology, Rochester Institute of Technology

Registrations / Licenses

- Professional Engineer: NJ
- Certified Municipal Engineer: NJ

Affiliations

- New Jersey Society of Municipal Engineers (NJSME)

Training

- Stormwater Management Design Review Course (NJDEP)
- Stormwater Management Rule Amendment Training (NJDEP)



Michael J. Drobny, PE, CME

Manager of Highway & Traffic

Mr. Drobny has more than 20 years of experience in engineering design and project management for roadway improvement, traffic signal installation, bridge replacement, and drainage improvement projects. He has experience in all facets of the design process, including topographic and right-of-way (ROW) surveys, highway and traffic signal design, and utility engineering, as well as stormwater management design, soil erosion control measures, maintenance and protection of traffic (MPT) plans, and environmental permitting. Mr. Drobny has performed HEC-RAS analyses for replacing bridges and culvert crossings, and the delineation of floodplains as part of private development. He has also managed and performed field inspections on various construction projects from roadway improvements to signalized intersection modifications. His diverse engineering experience gives Mr. Drobny an understanding of how projects should be designed while factoring in how it will be constructed.

Mr. Drobny has extensive experience serving as a Project Manager where his responsibilities have included preparing proposals, budgets, and schedules; coordinating multi-disciplinary teams and subconsultants; and managing staffing, resources, and assignments. His experience includes projects for major transportation agencies, such as New Jersey Department of Transportation (NJDOT,) Delaware River Joint Toll Bridge Commission (DRJTBC,), North Jersey Transportation Planning Authority (NJTPA,) and Delaware Valley Regional Planning Commission (DVRPC); various counties in New Jersey and New York; and local municipalities throughout New Jersey. Mr. Drobny's experience includes projects funded utilizing local, state, and federal sources, giving him a comprehensive understanding of the various requirements of each funding source.

Mr. Drobny is a Certified Municipal Engineer in New Jersey and has provided a variety of consulting engineering services to municipalities throughout the state, including traffic/parking studies, traffic signal design, roadway resurfacing programs, and providing expert testimony.

In addition to his design experience, Mr. Drobny has also prepared traffic impact statements, parking reports, traffic elements of campus master plans, and performed other traffic analyses for a variety of private developments. He has testified as an expert witness on traffic engineering and civil design before approximately 30 planning and zoning boards in New Jersey and eastern Pennsylvania.

Career Snapshot

- Over 20 years of transportation engineering experience

Education

- BS, Civil Engineering, Rutgers University

Registrations / Licenses

- Professional Engineer: NJ, NY, PA
- Certified Municipal Engineer: NJ

Affiliations

- American Society of Highway Engineers (ASHE)
- National Society of Professional Engineers (NSPE)
- Institute of Transportation Engineers (ITE)
- Ocean County Society of Professional Engineers (OCSPE)

Training

- Federal Aid Responsible Charge
- Federal Aid Requirements and LSRP Stewardship
- Design of ADA Curb Ramps in Public ROW
- Highway Inspection Procedures for Federal Aid Projects



Thomas Ertle, PLS

Manager of Survey

Mr. Ertle has 37 years of experience in land surveying, including bridge construction & rehabilitation, large commercial site surveying encompassing thousands of acres, and over a million square feet of new construction. Mr. Ertle has a solid background in civil engineering, construction, and land surveying, with strong emphasis in department, project, and construction management. Previous projects include: various bridge contracts with the New Jersey Turnpike Authority, various bridge and widening projects with the New Jersey Department of Transportation, several counties, municipal contracts providing ROW surveys, easements, parcel mapping for taking or condemnation, township property surveys for foreclosure packages, private industrial sites such as Sands Casino, DeVry, Target stores, Costco, Walmart, Dicks, Olive Garden, World Trade Zone and Continental Insurance, new highway and bridge construction, waterfront development, military contracts at various military institutions such as Earl Navy Base and Lakehurst, site design and construction lay-out of strip malls, parking lots and new roadways, large boundary surveys containing 1,000+ acres, residential housing developments containing 1,000+ homes, residential lot surveys, large topographic surveys and numerous site remediation projects and many different varieties of construction layout including sewer and water main extension projects, expert testimony for third party boundary disputes, and steel as-built and construction layout. Mr. Ertle has previously been named as the Jackson Township Land Surveyor. Jackson Township is 103+ square miles, and the third largest township in the State of New Jersey. He also holds an FAA UAS Remote Pilot License, flying our UAV on various design projects.

His experience includes coordination of both technical and managerial phases of municipal and private surveying projects. He has performed all aspects of land surveying work such as American Land Title Association/ National Society of Professional Surveyors (ALTA/NSPS), Global Positioning System (GPS) surveys, hydrographic surveys, wetland locations and mapping, flood certifications, Federal Aviation Administration (FAA) 2C/1A surveys, GPS control surveys, High-Definition Scanning (HDS) and Topographic surveys using traditional and UAS (Drone) technologies.

Career Snapshot

- Over 37 years of experience
- Surveyor-in-charge of over 500 Projects
- Experience with High-Definition Scanning (HDS) Technology

Education

- BS, Civil Engineering, NJIT

Registrations / Licenses

- Professional Land Surveyor: NJ, PA, DE, NC, WV, PR
- FAA UAS Remote Pilot

Affiliations

- Professional New Jersey Society of Professional Land Surveyors
- Pennsylvania Society of Land Surveyors
- American Congress on Surveying & Mapping
- National Society of Professional Surveyors
- North Carolina Society of Surveyors
- Colegio de Ingenieros y Agrimensores de Puerto Rico (CIAPR)
- West Virginia Society of Professional Engineers
- Delaware Association of Surveyors



Bahram Farzaneh, PE, PP

Senior Engineer | Environmental Permitting

Mr. Farzaneh has more than 37 years of knowledge and experience in the planning, design, and permitting of various municipal, site, coastal resources management, and transportation projects. His responsibilities include the design and management of engineering projects from the conceptual planning stage to the preliminary and final design stages.

Mr. Farzaneh has extensive experience in preparing permit applications and supporting documentation. His permitting knowledge includes existing New Jersey Freshwater Wetlands Protection Act Rules (N.J.A.C. 7:7A) and Flood Hazard Area Control Act Rules (N.J.A.C. 7:13). Mr. Farzaneh is a member of the NJDEP Bridges and Culverts/Transportation Projects Focus Group, which reviews and comments on pending flood hazard rules amendments prior to adoption. Mr. Farzaneh also has significant experience preparing and coordinating US Army Corps of Engineers Nationwide (USACOE), US Coast Guard (USCG), NJDEP Tidelands Bureau, and NJDEP (Water Front Development, CAFRA and General Permit) permit applications for marine structures, including bulkheads, boardwalks, piers and docks, coastal engineering projects, including breakwaters, and dredging of navigational waterways.

In addition, Mr. Farzaneh's experience includes roadway drainage, recharge/infiltration basins and swales, hydraulic/hydrological (H&H) analysis, and stormwater management designs on numerous public and private projects throughout New Jersey. He is well versed in H&H design methods in various areas, including residential and commercial development, bridge replacement projects over state-regulated waterways, dams/spillway structures, and roadway improvement projects. His responsibilities included serving as the lead designer on projects ranging from simple site assessments to complex watershed stormwater management reports. He is familiar with roadway drainage design in accordance with NJDOT drainage design manual and NRCS design guidelines.

During his career, Mr. Farzaneh has also worked on various residential subdivisions, site plans, flood control, and capital improvement projects, as well as bridge and dam reconstruction projects. He has performed and managed various engineering functions, such as horizontal and vertical road alignment, storm and sanitary sewer design, hydrologic analysis using the Rational and TR-55 methods, detention basin design, floodplain delineation and stream encroachment analysis using the HEC-RAS and HEC-2 computer program, dam hazard classification, and dam safety and failure analysis using the HEC-1, HMR-51, and HMR-52 computer programs. Mr. Farzaneh has prepared emergency action plans, flood inundation maps, and operation and maintenance manuals for dams. He also has experience in site grading and earthwork analysis, preparation of specifications, contract documents, and construction cost estimates. He has reviewed site plans and subdivision applications submitted to municipal clients for consideration by planning and zoning boards.

Career Snapshot

- Over 37 Years of Experience
- Experience in stormwater management
- Proficient in regulatory permitting
- Extensive knowledge of NJ Freshwater Wetlands Protection Act & Flood Hazard Area Control Act rules
- Member of the NJDEP Bridges & Culverts/ Transportation Projects focus group

Education

- BS, Civil Engineering, University of Texas

Registrations / Licenses

- Professional Engineer: NJ, DE
- Professional Planner: NJ

Affiliations

- Association of Dam Safety Officials
- American Society of Civil Engineers
- New Jersey Society of professional Engineers

Training

- NJDEP Flood Hazard Control Act



T. Sam Chen, PE

Manager of Structural

Mr. Chen has more than 26 years of structural engineering experience in both domestic and international markets. He has successfully designed complex structures in challenging site and geographic conditions utilizing steel, concrete, masonry, and timber materials. He has also performed restoration and retrofitting works on historic landmarks and facilities. During recent years, Mr. Chen led structural engineering teams, winning multiple design awards from national professional organizations and municipal/governmental planning boards.

Mr. Chen has a distinguished background performing structural dynamic engineering analyses and performing seismic and wind studies on different kinds of structures, including low-, mid-, and high-rise commercial and residential buildings; parking garages; and special facilities. He also has extensive experience with historical properties and has performed condition evaluations and adaptive reuse renovation and restoration of aged structures. In addition, Mr. Chen practices forensic engineering, progressive collapse analyses, property assessments, and earthquake/hurricane hazard mitigation design.

Among Mr. Chen's responsibilities include designing and managing projects from the schematic design phase through construction administration. He has worked on a variety of structural engineering projects, including K-12 schools, higher education facilities, commercial buildings, health care centers, hospitals, municipal buildings, military facilities, industrial buildings, nearshore constructions, multi-family dwellings, mixed use residential properties, and bridge/transportation infrastructures. Mr. Chen has teamed and collaborated with architects, developers, engineers, contractors, and owners to provide economical, durable, and cost-effective and constructible designs. He is familiar with project delivery methods including Design-Bid-Build, (DBB), Design-Build (DB), and Building Information Modeling (BIM).

Licensed in multiple states, Mr. Chen has managed structural engineering departments at several consulting firms during his professional career. As the Structural Discipline Manager at FPA, Mr. Chen provides managerial direction and supervisory control to develop, manage, promote, and integrate all aspects of the department's operations to meet client needs and achieve department and firm objectives.

Career Snapshot

- Knowledge of domestic and international markets
- Experience with energy sustainability projects
- Expert in Special Inspection and Forensic Engineering

Education

- MS, Structural Engineering, Lehigh University
- BS, Construction, National Taiwan University of Science and Technology

Registrations / Licenses

- PE: DC, NJ, NY, CT, CO, MA, PA
- NCEES Council Record No. 24311
- ICC Structural Special Inspector
- Philadelphia Special Inspector Lic Code 3541/Lic No. 052318

Affiliations

- American Institute of Steel Construction (AISC)
- American Concrete Institute (ACI)
- American Society of Civil Engineers (ASCE)
- National Council of Structural Engineers Associations
- Delaware Valley Association of Structural Engineering
- Council on Tall Buildings and Urban Habitat



Jonathan Crawford, PE, SE

Project Consultant | Structural

Mr. Crawford is an Assistant Discipline Manager of Structural Services in the Building Design Services Group, where he brings more than 17 years of experience, including performing work for architects, developers, cellular carriers, and general contractors.

Mr. Crawford's experience includes, among other areas, new construction, commercial buildings, renovations of existing structures, cell phone towers, and wireless communication installations. Mr. Crawford has also designed office buildings, churches, school additions and renovations, light gage steel facades and bearing walls structures, steel framed and precast concrete garage parking decks, and communications equipment dunnage frames. He has experience using multiple building materials in engineering design, including steel, steel composite framing, concrete, precast concrete, light gage steel framing, and masonry. He also has considerable expertise in fiber-reinforced polymer concrete design.

In addition, Mr. Crawford's engineering design experience includes designing framing members, foundations, composite systems, and lateral load resisting systems for wind and seismic loading. His field work has included surveying existing structural systems, inspecting existing concrete amphitheater, and communication tower assessments. He is proficient with industry standard engineering software tools, including StaadPro, RAM Steel, TNX Tower, PCA Slab, AutoCAD, and Revit.

Mr. Crawford has performed, managed, and reviewed many forensic and non-forensic structural condition surveys and analyses for a variety of structures subsequent to the storm event commonly referenced as "Sandy". The non-forensic condition surveys determined if the structure posed an immediate safety concern and provided the necessary information to design the required temporary and permanent repairs to the structure. The forensic structural condition survey was a comprehensive structural evaluation of the structure to determine the cause and effect of the damage associated with the structure. He has performed and reviewed structural condition surveys for a variety of structures and clients, including single family residences, multi-family residences, commercial properties, and local and county government structures. The local and county government projects have included the Cattus Island Nature Center for Ocean County Parks System, and structures in Atlantic Highlands for the Atlantic Highlands Harbor.

Career Snapshot

- Over 17 years of experience
- Extensive experience in fiber-reinforced polymer concrete design
- Proficient with Revit

Education

- MS, Structural Engineering, Villanova University
- BS, Civil Engineering, Villanova University

Registrations / Licenses

- Professional Engineer: NJ, NY, PA, DE, MD
- Structural Engineer: IL

Affiliations

- American Society of Civil Engineers (ASCE)
- American Concrete Institute (ACI)



Sarah Rebar Bisaha, LLA, RLA, PP, ASLA

Senior Licensed Landscape Architect/Professional Planner

Ms. Rebar Bisaha has over 28 years of experience in recreational, educational, urban, transportation, residential, and commercial design for both public and private entities. She is fully versed in site analysis, conceptual and final design, construction document preparation, computer-aided and hand graphic rendering presentations, and project site supervision. She has comprehensive knowledge of the many regulations that govern site design in New Jersey and the surrounding region at the local, county, and state levels, including municipal ordinances, Residential Site Improvement Standards (RSIS), CAFRA, Pinelands, and NJDEP standards, and has provided expert testimony in support of various applications in both New Jersey and New York.

Career Snapshot

- Over 28 years of experience
- Knowledgeable of site design regulations for local & state levels
- Co-author of the "NJ Model Site Plan Ordinance"
- Provided expert testimony in NJ & NY

Education

- BS, Landscape Architecture, Rutgers University
- Master Level Coursework Urban Planning, Rutgers University

Registrations / Licenses

- Licensed Landscape Architect: NJ
- Registered Landscape Architect: NY
- Professional Planner: NJ

Affiliations

- American Society of Landscape Architects
- New Jersey Recreation and Parks Association

In addition, Ms. Rebar Bisaha has been involved in the preparation of environmental impact statements and federal and state grant applications such as Small Business Association (SBA) Tree Grants, CAFRA, and Green Acres for many municipalities throughout the region. She also has an extensive working knowledge of the NJDEP's land use regulations and permit preparation from the pre-application phase through final decisions.

Upon graduation from the Landscape Architecture Program at Rutgers University, Cook College Campus, Ms. Rebar Bisaha was employed by a private consulting engineering firm with responsibility for a broad range of projects, including commercial and residential developments and public and private recreational facilities, several of which received design awards.

Ms. Rebar Bisaha is also a co-author of the "New Jersey Model Site Plan Ordinance," which was written in conjunction with the Rutgers University Center for Urban Policy Research. This publication served as a template in the development of the New Jersey "Residential Site Improvement Standards" NJAC 5:21 that governs residential project design.

Ms. Rebar Bisaha has also served as an Adjunct Professor for the Rutgers Landscape Architecture Department teaching Senior Level Design and Construction classes.



Tyler Martz, LSRP

Manager of Environmental

Mr. Martz is a credentialed environmental professional with 10 years of consulting experience working on a variety of projects including residential, governmental, commercial, and industrial use sites. He is proficient with various environmental laws, regulations and associated technical guidance documents that have been established for New Jersey, Pennsylvania, and New York. Mr. Martz has experience with all project phases including client relations, proposal preparation, investigation & conceptual planning, site remediation and ultimate case closure with the appropriate regulatory agency.

Career Snapshot

- GIS Certification Program – Stockton University
- 10 years of experience facilitating case closure on a wide range of environmental projects

Education

- BS, Environmental Science, Richard Stockton University

Registrations / Licenses

- New Jersey Licensed Site Remediation Professional

Specialized Training

- OSHA 40-Hour Hazardous Waste Operations Refresher Course
- Transportation Worker Identification Credential (TWIC)
- NJ Transit Railroad Safety Training
- Occupational Safety and Health Administration 10-Hour Construction Training
- Geographic Information Systems Certificate

Mr. Martz has directed environmental investigations for various groups of contaminants including solvents, petroleum products, metals, pesticides, and polychlorinated biphenyls by applying his knowledge of full range of current NJDEP Technical Guidance documents. Mr. Martz has experience coordinating large scale, cross-functional projects requiring input from several departments and their respective project managers; including geotechnical, survey, civil and land use permitting departments. As an LSRP, Mr. Martz has prepared appropriate reports, including Site Investigation (SI), Remedial Investigation (RI), Remedial Action Workplan (RAW) and Remedial Action (RA) Reports for NJDEP submission and ultimate case closure.

Additional consulting experience includes managing transportation and utility infrastructure related Linear Construction Projects (LCP's) and ensuring compliance with the associated guidance document. Mr. Martz has extensive experience conducting perimeter air quality monitoring and dust particulate control during geotechnical and earthwork operations at major redevelopment sites. Mr. Martz is familiar with the Industrial Site Recovery Act (ISRA) and has worked with owners of industrial properties to attain compliance with ISRA requirements.

As Technical Discipline Leader, Mr. Martz is responsible for the daily performance of the environmental professional staff. Duties include mentoring of staff, technical oversight, and Quality Assurance/Quality Control document review to ensure the final deliverable product is prepared in strict conformance with applicable regulations such as N.J.A.C. 7:26B, N.J.A.C.7:26C, N.J.A.C. 7:26E, and N.J.A.C. 7:14B. Mr. Martz performs business development and strengthens relationships with the firm's clients, which range from homeowners to small businesses, corporations, public utilities, and government agencies.



John C. Ritchey, PE

Project Consultant | Water Resources

With 37 years of experience, including 34 years serving the New Jersey Department of Environmental Protection (NJDEP,) Mr. Ritchey heads FPA's Water Resources Group, leading a full staff handling complex dam safety and water resources-related projects. His experience includes dam inspections; hydrologic and hydraulic (H&H) analysis of dams, including breach analysis and developing inundation mapping; and design and plan preparation for rehabilitating dams; as well as preparing emergency action plans; conducting emergency response exercises; and developing dam O&M manuals. He also engages in H&H evaluation of bridge replacements to conform with NJ Flood Hazard Area Regulations.

Career Snapshot

- Over 37 years of experience
- 30 years as Supervising Engineer at NJDEP Bureau of Dam Safety
- Past Manager, NJDEP Bureau of Flood Control

Education

- BS, Civil Engineering, West Virginia University

Registrations / Licenses

- Professional Engineer: , NJ, DE

Affiliations

- Association of State Dam Safety Officials
- NJ-PA Council for Safe Dams
- NJ Association for Floodplain Management

Training

- Quality Verification: Earthwork Construction; USACE
- HEC-1/Dambrk; Penn State University
- Engineering Hydrology (HEC-HMS); The College of New Jersey

Mr. Ritchey has extensive experience in dam safety and water resources engineering. Prior to joining FPA, Mr. Ritchey worked for the NJDEP for 34 years where he started as a junior engineer with the Stream Encroachment Section reviewing flood plain analyses in connection with issuing permits for construction within the 100-year flood plain. From there, he transferred to the Dam Safety Program where he worked as a Supervising Engineer for 30 years. In this role Mr. Ritchey oversaw a staff of engineers in the evaluation of the hydrologic, hydraulic, structural, geotechnical, environmental, and economic aspects of permit applications for constructing new dams and rehabilitating existing ones. Mr. Ritchey regularly performed routine and construction inspections of dams to assure safety and conformance with state dam safety regulations. He has participated in more than 300 dam restoration projects and 1,000 dam inspections in his career. Mr. Ritchey advised and counseled design engineers of methods and alternatives to optimize the design of new dams and the restoration of existing ones. He conducted meetings with dam owners, their agents, and engineers, as well as federal, state, county, and local officials concerning dam analysis, design, and permitting requirements to complete construction or rehabilitation projects. Mr. Ritchey also participated in preparing operation and maintenance manuals, emergency action plans, and inundation mapping for dams. He also responded to numerous dam safety incidents to assure the safety of the general public.

In his final two years at NJDEP, Mr. Ritchey was Manager of the Bureau of Flood Control, overseeing a staff responsible for assisting municipalities with the National Flood Insurance and Community Rating System programs. He was responsible for developing, maintaining, amending, and distributing floodway and flood hazard area delineation maps under the Cooperating Technical Partners Program with FEMA. He was also actively involved in coordinating and assisting the USACE in planning, designing, and constructing dozens of flood mitigation projects. He also coordinated with the North Jersey District Water Supply Commission in operating and maintaining the Pompton Lake Dam Flood Gates.

Nationally, Mr. Ritchey is active in the Association of State Dam Safety Officials (ASDSO) and chaired the Annual Conference Program Committee for 15 years, as well as participated in the financing solutions committee. He is active in the NJ-PA Council for Safety Dams and was a long-time member of FEMA's Interagency Committee on Dam Safety Research Workgroup. He participated in the American Rivers/NOAA Mid-Atlantic Stream Barrier Task Force and on FEMA's Interagency Waterway Infrastructure Improvement Task Force (FEMA-1530 DR NJ).

Dam Evaluation and Design Services



Christopher W. Marx, PE

Manager of Water Resources

Chris Marx is the Manager of Water Resources at French and Parrello Associates supporting a portfolio of clients in the water resources and dam engineering market areas in the northeast region. Chris has served as a trusted partner to various dam owners in both the public and private sectors, advising them on cost-effective solutions to rehabilitate and maintain their dams, available funding sources, and management of risk and liabilities associated with dams. Clients supported include state, county, and municipal government agencies, utility companies, water authorities, water commissions, real estate developers, and homeowner associations.

Career Snapshot

- Area of Expertise: Dam Engineering and Hydraulic Design
- Over 20 years of experience
- Regulatory Agency Permitting Experience
- Dam Rehabilitation Design
- Dam Removal Design

Education

- BS, Civil Engineering, Rutgers University

Registrations / Licenses

- Professional Engineer: NJ, NY, PA

Affiliations

- Association of State Dam Safety Officials (ASDSO)
- American Society of Civil Engineers (ASCE)

Training

- Bridge Scour Countermeasures
- ADDSSO: Hydraulics of Spillways
- ASCE: Dam Breach Analysis using HEC-RAS
- NAETI: 8-Hour Required Confined Space
- FEMA: National Dam Safety
- USDA: Stepped Chute Design for Embankment Dams

Chris has broad water resource engineering experience including hydrologic and hydraulic evaluations for dams and bridges, dam break analyses, dam hazard classification assessments, incremental consequence analyses, low level outlet evaluations, flood control evaluations, and spillway and hydraulic structure capacity evaluations. This experience has allowed Chris to gain a unique understanding of various dam types and methods of construction, as well as common issues with dam design, operation, and maintenance.

Chris has contributed to numerous rehabilitation designs for dams and appurtenant structures, aqueducts, canal structures, as well as marine and waterfront development projects, including dredging and shoreline stabilization projects. Chris has led permitting activities associated with design and construction projects, interacting with regulatory authorities and stakeholders to obtain necessary approvals and ensure compliance with local, state, and federal regulations. Regulatory requirement experience for dams includes preparation and updating Operation/Inspection and Maintenance Plans, Emergency Action Plans, and inundation map preparation as well as conducting and participating in emergency tabletop and training exercises.

In addition, Chris has managed construction administration activities for a variety of dam and hydraulic structure rehabilitation projects, often collaborating with multidisciplinary teams to ensure projects were delivered on time and within budget constraints. He has a thorough understanding of design and construction processes, contractual relationships, and construction means and methods.

Throughout his career, Chris completed dam safety inspections for hundreds of dams. He is an active member of the Association of State Dam Safety Officials and has presented at their national and regional conferences.



Jon E. Moren, PE

Vice President

Director of Transportation

With over 32 years of experience in surveying, design, inspection, and management of various transportation projects, Mr. Moren is Director of Transportation, overseeing all bridge, dam, and highway projects. In this capacity, Mr. Moren is responsible for managing the growth and development of the group; handling business development; and supervising and mentoring staff; as well as client coordination; ensuring QA/AC of design work; and monitoring all project budgets and schedules.

Prior to joining FPA, Mr. Moren worked for the Monmouth County Engineering Department for more than 12 years, where he was involved in the advancement of individual design and construction administration of numerous highway and bridge projects through concept development, preliminary engineering, final design, and construction. As Supervisor of the Monmouth County Bridge Design Group, he was responsible for the design and construction phases of all Monmouth County bridge projects. He has worked on projects with federal and state agencies, such as the FHWA, NJDOT, NJDEP, the State Historic Preservation Office (SHPO), NJ Transit, and United States Army Corps of Engineers, in addition to counties throughout New Jersey.

With extensive knowledge of county government and policy, Mr. Moren has administered numerous federally funded scoping, design, and construction projects. His relevant design expertise includes horizontal and vertical layout, bridge and roadway alternatives, right-of-way (ROW) development, ROW coordination, utility relocations, parcel map and description preparation, maintenance and protection of traffic (MPT) layout, construction staging, pavement design, intersection improvements, bridge repair and rehabilitation plans, and special provisions and NEPA documents.

He has served as Project Manager and Responsible Charge for several large and complex Monmouth County projects, including the reconstruction of Bridge S-17; the Local Concept Development Phase for replacing Bridge S-32; and delivering the original scoping for replacing Bridge S-31 (Oceanic Bridge). He also acted as deputy project manager on the final design for the replacement of the existing New Jersey Mainline Approach Bridge to the Scudders Falls Bridge, known to NJDOT as I-95 over RT 29, D&R Canal, and RT 175 (Structure No. 1120-150) in Mercer County, NJ.

Career Snapshot

- Over 32 years of experience
- Former County Bridge Engineer
- Engineered over 500 Bridge Projects
- Expertise in Emergency & Priority Bridge Repair

Education

- MS, Structural Engineering, NJIT
- BS, Civil Engineering, NJIT

Registrations / Licenses

- Professional Engineer: NJ

Specialized Training

- Highway Inspection Procedures for Federal Aid Projects, Rutgers University, 2013
- Guidelines for Guiderail and Median Barrier Design, Rutgers University, 2012
- Federal Aid Requirements and LPA Stewardship, Rutgers University, 2013

Affiliations

- American Society of Civil Engineers (ASCE)
- New Jersey Society of Professional Engineers (NJSPE)



Michael J. Piga, LLA, RLA

Manager of Landscape Architecture

With more than 24 years of experience, Mr. Piga serves at FPA's Manager of Landscape Architecture. He has developed landscape, site, and specialty lighting designs for numerous active/passive recreational parks, historic restoration sites, educational playgrounds, urban streetscapes, community garden planning, synthetic athletic field designs, athletic lighting design, athletic rubberized track design, bikeway planning, freshwater wetlands remediation, zoo exhibits, and residential and commercial projects. He is fully versed in site analysis, conceptual design, preliminary and final design, preparation of technical specifications, construction document preparation, construction observation, graphic rendering presentations, and project supervision.

His additional expertise involves ordinance interpretations, composing environmental impact statements, and preparing applications and plans for New Jersey Soil Conservation District, as well as shop drawing reviews, cost estimates, and sewer and water connection applications. His technical skills and attention to detail enable him to gather thorough information to expedite projects in an efficient and timely manner.

Mr. Piga has also been involved in specialty projects, including a clipper ship playground for all ages, an aerial adventure course through a mature forest, an African adventure themed mini-golf course, a multitude of themed zoo exhibits, and a revolutionary park acknowledgement.

Mr. Piga has extensive experience with tasks relative to freshwater wetlands delineation and preparing wetland delineation reports. He is certified from Rutgers University as a wetlands delineator and has performed such services on numerous projects. In addition to the identification of wetlands, his experience includes preparing jurisdictional determinations and permit applications for the New Jersey Department of Environmental Protection (NJDEP) Department of Land Use Regulation. Mr. Piga has also prepared freshwater remediation plans for residential developments that have been approved by the NJDEP.

Upon graduation from the accredited Landscape Architecture Program at Rutgers University, Mr. Piga completed an internship with the Walt Disney World Horticulture Department. While there, he was involved in creating various horticultural design projects.

Career Snapshot

- Over 24 years of experience
- Designed active and passive recreation facilities

Education

- BS, Landscape Architecture, Rutgers University

Registrations / Licenses

- Licensed Landscape Architect: NJ
- Registered Landscape Architect: PA, NY

Affiliations

- American Society of Landscape Engineers
- New Jersey Recreation & Park Association

Affiliations

- Certified Wetlands Delineator, Rutgers University



Joseph M. Tierney, PE

Manager of Geotechnical

With more than 22 years of exceptional experience and proven success, Mr. Tierney serves as FPA's Manager of Geotechnical Services. He has several responsibilities including project coordination and implementation; staffing, budget, and quality assurance/quality control; and performing geotechnical engineering analyses, foundation and retaining wall design, and geotechnical report preparation.

Mr. Tierney has participated in a variety of geotechnical projects involving buildings, bridges, roadways, earth retaining structures, pipelines, landfills, and highway embankments. His involvement has included test boring and test pit inspection, construction monitoring, and geotechnical and foundation engineering analysis and design. The scope of engineering analyses includes slope stability, settlement and consolidation, lateral earth pressures, groundwater modeling, and bearing capacity evaluation. He has performed geologic assessments of project sites known to have karst features, identifying the potential formation of sinkholes through the dissolution of carbonate rock. His geotechnical related design work has included shallow and deep foundations, earth retaining structures, soil improvement projects, and underdrain design.

Mr. Tierney has performed evaluation and design of various earth retaining structures, including cantilever and anchored sheet pile walls, gabion wall systems, reinforced concrete gravity structures, and mechanically stabilized earth walls. His involvement has included evaluating internal and external stability, structural design, and preparing construction drawings.

Prior to his involvement in geotechnical engineering, Mr. Tierney served as a Field Engineer with FPA's Construction Phase and Material Testing Group. This experience has given him an understanding of geotechnical laboratory testing and construction monitoring services, including concrete testing, subgrade inspection, and fill placement.

Career Snapshot

- Over 22 years of experience
- Project experience includes various facility types

Education

- BS, Civil Engineering, Bucknell University

Registrations / Licenses

- Professional Engineer: NJ

Specialized Training

- DCA Inspector, Reinforced Concrete

Affiliations

- American Society of Civil Engineers (ASCE)
- New Jersey Society of Professional Engineers (NJSPE)



Christopher A. Nourry, GISP

Manager of GIS

Mr. Nourry is a certified Geographic Information Systems Professional and the Manager of FPA's Geographic Information Systems (GIS) Services Discipline bringing more than 10 years of expertise and experience to his assignments.

Mr. Nourry has served public and private entities across multiple industries on a range of GIS projects, including utility easement mapping, street light inventories, and stormwater collection system asset inventories, as well as sanitary sewer asset inventories, preliminary wetlands mapping, and property inspections and inventories. His addition experience includes environmental site mapping, customized web mapping applications, and database design and implementation.

Mr. Nourry has extensive experience utilizing ESRI Software, including ArcMap, ArcGIS Pro, ArcCatalog, ArcPad, ArcGis Collector, and ArcGis Online. He has successfully completed several deployments of ArcGIS Enterprise.

Utilizing his expertise and passion of GIS, combined with his attention to detail and knowledge of GPS and computer hardware, Mr. Nourry established FPA's GIS Services Discipline. He has developed company standards and procedures to ensure all clients receive the most cost-effective and efficient solutions to their project needs.

Career Snapshot

- Manager of GIS Services
- Extensive experience with ESRI GIS software suite
- Database design experience
- Python & SQL
- ArcGIS Enterprise Deployments

Education

- BA, Environmental Studies, Ramapo College

Certifications

- Certified Geographic Information Systems Professional (GISP)

Specialized Training

- OSHA 8-Hour Hazardous Waste Operations Refresher Course
- New Jersey Water Environment Association Underground Storage Tank (UST) Class
- AHERA/EPA Asbestos Building Inspector Certification 40 CFR Part 763 Asbestos Accreditation
- OSHA 40-Hour Hazardous Waste Operations and Emergency Response Training



Amin Gomaa, PE, LEED AP

Senior Vice President

Director of Building Design

Mr. Gomaa, with more than 23 years of diverse technical experience, serves as Director of FPA's Building Design Services Group. Having worked on various types of projects, including new construction and renovations, Mr. Gomaa's expertise includes power distribution design, lighting design and control, fire alarm design, emergency/standby power generation design, photovoltaic solar systems design, sustainable design, and cost estimation. Mr. Gomaa has been involved in projects both inside and outside the United States for various types of buildings, including high-rises, hotels, retail centers, offices, data centers, and schools.

His diverse experience allows him to oversee multidiscipline projects such as CSX Transflo, NJ Water Supply Authority, and Delaware River Joint Bridge Commission multiple facilities between renovation and new construction.

Mr. Gomaa's specialization is electrical design, including designing infrastructure for projects up to 32MW capacity, such as Hyatt-Azulera in Costa Rica and Cabo San Cristobal in New Mexico. Further, his experience includes designing and performing feasibility studies for various solar photovoltaic jobs with aggregate size of 30+ MW, with various capacities, ranging from roof-mounted to ground-mounted systems, as well as managing the equipment's procurement and installation.

Mr. Gomaa's experience also includes medium voltage design for systems up to 35 KV, including overhead distribution design, substation grounding, and short circuit study, coordination, and load flow study.

He has also inspected various retail and education facilities to assess the electrical systems after severe weather issues. In addition to inspecting building low voltage systems, such as telecom, security, and fire alarm, he has prepared detailed assessment reports and recommendations, including construction cost estimates.

Career Snapshot

- Over 23 years of experience
- International Experience
- Wide experience with low and medium voltage design

Education

- BS, Electrical Engineering, Alexandria University

Registrations / Licenses

- Professional Engineer: NJ, DE, MA, MD, CT, PA, NY, IN, DC, KY

Specialized Training

- LEED Accredited Professional
- Building Information Modeling (BIM) using Revit MEP
- Electrician Diploma, Penn Foster Career School

Affiliations

- Institute of Electrical and Electronics Engineers (IEEE)



Matthew Kearney, PE

Vice President

Regional Manager | Southern New Jersey

Career Snapshot

- Over 17 Years of Experience
- Specialist with Federally Funded Projects

Education

- BS, Civil Engineering, Drexel University

Registrations / Licenses

- Professional Engineer: NJ, PA

Training

- Transportation Worker Identification Credential (TWIC)
- FHWA National Highway Institute Safety Inspection of In-Service Bridges (NBIS)
- Safety Inspection of In-Service Bridges (NBIS) Refresher Training – 2019
- NHI Full Depth Reclamation (FDR) Trained
- Highway Inspection Procedures for Federal Aid
- Grant Management for Federal Aid Projects
- Federal Aid Requirements and LPA Stewardship
- Federal Aid Responsible Charge
- Compliance to the ADA in the Public ROW
- Work Zone Safety Awareness
- Troxler Nuclear Density & Moisture Gauge Operator

Affiliations

- American Society of Civil Engineers
- ACE Mentor Program – Camden
- Southern NJ Development Council
- ACEC/NJ DRJTBC Committee

Mr. Kearney has over 17 years of experience and has served as Vice President/Regional Manager, Project Manager, Resident Engineer, and Inspector on a wide range of construction projects that have included bridges, roadways, drainage infrastructure, earth retaining structures and bicycle and pedestrian facilities. Mr. Kearney's design and inspection experience includes private, County and State infrastructure projects. He has extensive contract document, specification, cost estimate, calculation preparation, design constructability review, as well as submittal review for various infrastructure projects. He also has experience managing the expenditure of NJDOT and FHWA grants including the preparation of initial, construction phase, and close out for Federal and State Aid grant reimbursement.

Mr. Kearney's project experience includes construction supervision of culvert, bridge, and roadway rehabilitation and replacement projects; culvert, bridge, and roadway design; and inspection of historic and movable bridges. He has experience with feasibility and constructability reviews; MPT reviews for short-term and long-term durations; concrete and asphalt roadway rehabilitation; temporary and permanent cofferdam design and installation; ADA curb ramp design and inspection; and sheet pile and bulkhead design and installation. His additional experience includes drainage infrastructure installation; guiderail design and inspection; and oversight sampling and testing of concrete. Mr. Kearney has provided extensive construction administration on bridge, culvert, and roadway projects, including reviewing shop drawings, RFIs, schedules, pay estimates, and change order requests and negotiations.

Mr. Kearney served as Project Manager for the Camden County Federal and State Project Close Out between 2017 and 2021 and was responsible for working with the County and NJDOT Local Aid to verify the expenditure of NJDOT and FHWA grants, as well as NJIB loans, for construction projects completed by the County. He generated NJDOT document submissions, including initial, construction, and close out for Federal and State Aid grant reimbursements including the review of all documents submitted by contractors and outside construction management consultants for compliance with Federal and State regulations. Mr. Kearney assisted the County with over \$75 million in reimbursements.

Employee Licenses

FRENCH & PARRELLO ASSOCIATES, PA

Full Name	License Number	Expiration Date
Licenses - State: NJ		
Licenses - License: Board Certified Environmental Engineer		
Eric C. Betz PE, BCEE, CME	04-10048	
Brian T. Dougherty PE	20-20004	
Licenses - License: Certified Municipal Engineer		
Eric C. Betz PE, BCEE, CME	0650	
Brian R. Decina PE, CME	19-11	
Michael J. Drobny PE, CME	06-12	
Wayne J Ingram PE, PLS		
Sara Irick PE, CME	13-015	
Denis Keenan PE, CME	19-16	
William Masol PE, CME	17-13	
Keith B Smith PE, PP, CME	CME0236	
Stefanie A Williams PE, CME	20-28	
Licenses - License: Floodplain Manager		
Denis Keenan PE, CME	US-20-11543	1/31/2026
Licenses - License: Licensed Landscape Architect		
Sarah Rebar Bisaha LLA	21AS00063900	5/31/2026
Michael J. Piga LLA, RLA	21AS00090900	5/31/2026
Licenses - License: Licensed Site Remediation Professional		
Cathleen Bryant LSRP	574152	7/9/2027
Neil Jiorle LSRP	586157	10/22/2027
Tyler R Martz LSRP	973244	6/10/2025
Joseph G. Norton LSRP	573787	7/9/2027
Alexander J. Saltzman LSRP	838480	1/18/2027
Richard Sisti LSRP	573597	7/9/2027
Licenses - License: Professional Land Surveyor		
Ronald J. Carpenter PLS	24GS04327200	4/30/2026
Thomas J. Ertle PLS	24GS03583400	4/30/2026
Wayne J Ingram PE, PLS	24GB04258200	4/30/2026
Richard S Pelizzoni PE, PLS	24GB02789200	4/30/2026
Licenses - License: Professional Planner		
Narinder K. Ahuja PE, PP	33LI00453100	5/31/2026
Sarah Rebar Bisaha LLA	33LI00519400	5/31/2026
Bahram Farzaneh PE, PP	33LI00442900	5/31/2026
Ronald Igneri PE, PP	33LI00265900	5/31/2026
Wayne J Ingram PE, PLS	33LI00616300	5/31/2026
Christopher Nusser PE, PP	33LI00628300	5/31/2026
William C. Pyontek PE, PP	33LI00384100	5/31/2026
Keith B Smith PE, PP, CME	33LI00390800	5/31/2026



Licenses - License: Professional Engineer

Narinder K. Ahuja PE, PP	24GE02664000	4/30/2026
Lena Barone PE	24GE04446500	4/30/2026
Eric C. Betz PE, BCEE, CME	24GE04036800	4/30/2026
John Bosco PE	24GE02967100	4/30/2026
Gregory Bruno PE	24GE05444700	4/30/2026
Daniel Burke PE, CME	24GE03894800	4/30/2026
David I. Calnan PE	24GE03312000	4/30/2026
T. Sam Samuel Chen PE, LEED® AP	24GE04499300	4/30/2026
Joshua Cottrell PE	24GE04730700	4/30/2026
Jonathan V. Crawford PE	24GE04992000	4/30/2026
Anthony R Cristiano PE	24GE05590100	4/30/2026
Brian R. Decina PE, CME	24GE04514900	4/30/2026
Brian T. Dougherty PE	24GE04318600	4/30/2026
Michael J. Drobny PE, CME	24GE04617800	4/30/2026
Isaac Epstein PE	24GE05874900	4/30/2026
David Espejo PE	24GE06093100	4/30/2026
Bahram Farzaneh PE, PP	24GE03454800	4/30/2026
Andrew L. French PE	24GE04289400	4/30/2026
Matthew S. Gizzi PE	24GE04345800	4/30/2026
Amin H Gomaa PE, LEED® AP	24GE04842100	4/30/2026
Ronald Igneri PE, PP	24GE02820800	4/30/2026
Wayne J Ingram PE, PLS	24GB04258200	4/30/2026
Sara Irick PE, CME	24GE04970900	4/30/2026
Ellen Kalnins PE	24GE06130900	4/30/2026
Mark Kalusz PE	24GE05937000	4/30/2026
Matthew Kearney PE	24GE05171500	4/30/2026
Denis Keenan PE, CME	24GE04637300	4/30/2026
Brian Kenney PE	24GE6082500	4/30/2026
Robert Knotz PE	24GE04697300	4/30/2026
Christopher B. Kroschinski PE	24GE05321300	4/30/2026
Michael J. Law PE	24GE04751100	4/30/2026
Christopher Marx PE	24GE04777600	4/30/2026
William Masol PE, CME	24GE05035700	4/30/2026
Emma Misdea PE	24GE05358800	4/30/2026
Jon Moren PE	24GE04697900	4/30/2026
Kevin C. Morgan PE	24GE05488700	4/30/2026
Ian Mueller PE	24GE05627900	4/30/2026
Kiera Nissen PhD, PE	24GE06134900	4/30/2026
Christopher Nusser PE, PP	24GE04902500	4/30/2026
Stefanie R. Pacifico PE	24GE05732900	4/30/2026
Richard S Pelizzoni PE, PLS	24GB02789200	4/30/2026
William C. Pyontek PE, PP	24GE02956800	4/30/2026
Syed Qasim PE	24GE04679300	4/30/2026
Andrew Derek Ranger PE	24GE05449900	4/30/2026
Hector Rios PE	24GE05578900	4/30/2026
John Ritchey PE	24GE05955400	4/30/2026
Marcie A Robison PE	24GE05011800	4/30/2026

David M. Rohmeyer PE	24GE05334700	4/30/2026
Michael W. Schappert PE	24GE04786400	4/30/2026
Mark Shenoda PE	24GE05006700	4/30/2026
Keith B Smith PE, PP, CME	24GE03323200	4/30/2026
Dr. Joseph Strafacci PhD, PE	24GE05217100	4/30/2026
Robert C. Swabsin PE	24GE03668700	4/30/2024
Peter J. Tardy PE	24GE04199000	4/30/2026
Steven A. Tardy PE	24GE03893400	4/30/2026
Joseph Tierney PE	24GE04586200	4/30/2026
Doru Toma PE	24GE04571700	4/30/2026
Sean Tuohy PE, LEED® AP	24GE04199200	4/30/2026
Matthew Voelkel PE	24GE05762800	4/30/2026
Stefanie A Williams PE, CME	24GE05876300	4/30/2026



(800) 737-2190



Section 4 Fee Schedule



2025 Schedule of Fees

Senior Project Consultant	\$200.00/hr.
Project Consultant	\$195.00/hr.
Senior Project Manager	\$190.00/hr.
Project Manager	\$185.00/hr.
Senior Engineer	\$180.00/hr.
Project Engineer	\$160.00/hr.
Senior Staff Engineer	\$135.00/hr.
Staff Engineer	\$125.00/hr.
Licensed Site Remediation Professional (LSRP)	\$198.00/hr.
Professional Geologist	\$155.00/hr.
Senior Environmental Specialist	\$150.00/hr.
Senior Environmental Scientist	\$145.00/hr.
Environmental Project Coordinator	\$140.00/hr.
Environmental Engineer	\$125.00/hr.
Environmental Scientist	\$120.00/hr.
Environmental Permitting Assistant	\$110.00/hr.
Environmental Technician	\$105.00/hr.
Senior Licensed Landscape Architect	\$195.00/hr.
Licensed Landscape Architect	\$175.00/hr.
Landscape Designer	\$125.00/hr.
Professional Planner	\$155.00/hr.
Professional Land Surveyor	\$195.00/hr.
Senior Designer	\$155.00/hr.
Designer	\$135.00/hr.
Senior Drafter	\$120.00/hr.
Drafter	\$110.00/hr.
Technical Coordinator	\$100.00/hr.
Survey Party Chief	\$150.00/hr.
Senior Survey Technician	\$135.00/hr.
Survey Technician	\$115.00/hr.
Survey Field Crew (two person)	\$260.00/hr.
Survey Field Crew Robotic (1 person)	\$215.00/hr.
Lab Supervisor	\$130.00/hr.
Resident Engineer	\$145.00/hr.
Senior Field Representative	\$110.00/hr.
Field Representative	\$105.00/hr.
Field Technician	\$95.00/hr.
Staff Professional	\$75.00/hr.
Technical Assistant	\$85.00/hr.
Administrative Services	\$70.00/hr.



2025 Miscellaneous Reimbursable Expenses


Miscellaneous Office Services

Mileage (Employee Travel Time will be Invoiced at the Individuals Hourly Rate, Door-To-Door)	\$0.70 / mile
Certified Mailing/Return Receipt	\$8.95 + postage / piece
Express Delivery Service (Federal Express, etc.)	Calculations per weight / piece
USPS Package Mailing (Plans/Reports)	Postage + 15% / piece

Plotting and Graphic Services

Bond	\$0.20 / sf
Vellum	\$0.35 / sf
Color	\$0.75 / sf
Mylar	\$0.70 / sf
Presentation Board -24" x 36"	\$10.00 / board
Presentation Board -30" x 42"	\$20.00 / board
CD or DVD	\$1.00 / Disk





Section 5
**Administrative
Requirements**

MORRIS COUNTY MUA

Administrative Documents

A. Please submit the following documents with your response to the RFP

Owner's Checkmarks		Bidder's Initials
X	Statement of Ownership Disclosure	AT
X	Non-Collusion Affidavit	AT
X	Disclosure of Investment Activities In Iran	AT
X	Certification of Non-Involvement in Prohibited Activities in Russia or Belarus	AT
X	Affidavit of Non-Debarred Status	AT
X	Affirmative Action Compliance Notice	AT
X	Mandatory EEO Language	AT
X	Americans with Disability Act of 1990 Form	AT
X	Anti-Discrimination Requirements	AT
X	Pay to Play Advisory Notice	AT
X	Certificate of Employee Information Report/AA-302	AT
X	W-9	AT
X	New Jersey Business Registration Certificate	AT
X	Proposal (document not provided)	AT

MORRIS COUNTY MUA

Statement of Ownership Disclosure

N.J.S.A. 52:25-24.2 (P.L. 1977, c.33, as amended by P.L. 2016, c.43)

This statement shall be completed, certified to, and included with all bid and proposal submissions. Failure to submit the required information with the bid is cause for automatic rejection of the bid or proposal.

Name of Organization: French & Parrello Associates, PA

Organization Address: 1800 Route 34, Suite 101, Wall, NJ 07719

Part I Check the box that represents the type of business organization:

- Sole Proprietorship (skip Parts II and III, execute certification in Part IV)
- Non-Profit Corporation (skip Parts II and III, execute certification in Part IV)
- For-Profit Corporation (any type) Limited Liability Company (LLC)
- Partnership Limited Partnership Limited Liability Partnership (LLP)
- Other (be specific): _____

Part II

- The list below contains the names and addresses of all stockholders in the corporation who own 10 percent or more of its stock, of any class, or of all individual partners in the partnership who own a 10 percent or greater interest therein, or of all members in the limited liability company who own a 10 percent or greater interest therein, as the case may be. **(COMPLETE THE LIST BELOW IN THIS SECTION)**

OR

- No one stockholder in the corporation owns 10 percent or more of its stock, of any class, or no individual partner in the partnership owns a 10 percent or greater interest therein, or no member in the limited liability company owns a 10 percent or greater interest therein, as the case may be. **(SKIP TO PART IV)**

(Please attach additional sheets if more space is needed):

Name of Individual or Business Entity	Address
Steven A. Tardy, PE	1 Alton Way, Scotch Plains, NJ 07076
Matthew Gizzi, PE	6 Wraight Court, Hillsborough, NJ 08844
Andrew L. French, PE	545 Dorothy Place, Brick, NJ 08723
Brian R. Decina, PE	1600 Stony Point Road, Manasquan, NJ 08736
Keith B. Smith, PE	71 Essex Avenue, Hazlet, NJ 07734

MORRIS COUNTY MUA

Statement of Ownership Disclosure

Part III DISCLOSURE OF 10% OR GREATER OWNERSHIP IN THE STOCKHOLDERS, PARTNERS OR LLC MEMBERS LISTED IN PART II

If a bidder has a direct or indirect parent entity which is publicly traded, and any person holds a 10 percent or greater beneficial interest in the publicly traded parent entity as of the last annual federal Security and Exchange Commission (SEC) or foreign equivalent filing, ownership disclosure can be met by providing links to the website(s) containing the last annual filing(s) with the federal Securities and Exchange Commission (or foreign equivalent) that contain the name and address of each person holding a 10% or greater beneficial interest in the publicly traded parent entity, along with the relevant page numbers of the filing(s) that contain the information on each such person. **Attach additional sheets if more space is needed.**

Website (URL) containing the last annual SEC (or foreign equivalent) filing	Page #'s

Please list the names and addresses of each stockholder, partner or member owning a 10 percent or greater interest in any corresponding corporation, partnership and/or limited liability company (LLC) listed in Part II other than for any publicly traded parent entities referenced above. **The disclosure shall be continued until names and addresses of every noncorporate stockholder, and individual partner, and member exceeding the 10 percent ownership criteria established pursuant to N.J.S.A. 52:25-24.2 has been listed. Attach additional sheets if more space is needed.**

Stockholder/Partner/Member and Corresponding Entity Listed in Part II	Address

Part IV Certification

I, being duly sworn upon my oath, hereby represent that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I acknowledge: that I am authorized to execute this certification on behalf of the bidder/proposer; that the **Morris County Municipal Utilities Authority** is relying on the information contained herein and that I am under a continuing obligation from the date of this certification through the completion of any contracts with **Morris County Municipal Utilities Authority** to notify the **Morris County Municipal Utilities Authority** in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I am subject to criminal prosecution under the law and that it will constitute a material breach of my agreement(s) with the, permitting the **Morris County Municipal Utilities Authority** to declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print):	Steven A. Tardy, PE	Title:	President & CEO
Signature:		Date:	1/28/25

MORRIS COUNTY MUA

Non-Collusion Affidavit

STATE OF NEW JERSEY

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY ss:

I certify that I am Steven A. Tardy, PE

of the firm of French & Parrello Associates, PA

the Respondent making this Proposal for the bid or proposal for the above named project, that I executed the said proposal with full authority to do so; that said bidder has not, directly or indirectly entered into any agreement, participated in any collusion in connection with the above named project; and that all statements contained in said proposal and this affidavit are true, correct, and made with full knowledge that the Morris County Municipal Utilities Authority relies upon the truth of the statements contained in said Proposals and in the statements contained in this affidavit in awarding the contract for the said project.

I further warrant that no person or selling agency has been employed or retained to solicit or secure such contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, except bona fide employees or bona fide established commercial or selling agencies.

Signature of Representative: 

Subscribed and sworn to before me this 28th day of January, 20 25

Print Name of Affiant: Steven A. Tardy, PE President & CEO

Notary Public of 

My commission expires

ANDREIA CHANKALIAN
NOTARY PUBLIC
STATE OF NEW JERSEY
MY COMMISSION EXPIRES AUGUST 8, 2028

MORRIS COUNTY MUA

Disclosure of Investment Activities in Iran

Pursuant to Public Law 2012, c. 25, any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract must complete the certification below to attest, under penalty of perjury, that the person or entity, or one of the person or entity's parents, subsidiaries, or affiliates, is not identified on a list created and maintained by the Department of the Treasury as a person or entity engaging in investment activities in Iran. If the Director finds a person or entity to be in violation of the principles which are the subject of this law, s/he shall take action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the person or entity.

I certify, pursuant to Public Law 2012, c. 25, that the person or entity listed for which I am authorized to bid/renew:

Bidder/Offerrer: French & Parrello Associates, PA

- is not providing goods or services of \$20,000,000 or more in the energy sector of Iran, including a person or entity that provides oil or liquefied natural gas tankers, or products used to construct or maintain pipelines used to transport oil or liquefied natural gas, for the energy sector of Iran; is not a financial institution that extends \$20,000,000 or more in credit to another person or entity, for 45 days or more, if that person or entity will use the credit to provide goods or services in the energy sector in Iran.

In the event that a person or entity is unable to make the above certification because it or one of its parents, subsidiaries, or affiliates has engaged in the above-referenced activities, a detailed, accurate and precise description of the activities must be provided in part 2 below to the Division of Purchase under penalty of perjury. Failure to provide such will result in the proposal being rendered as non-responsive and appropriate penalties, fines and/or sanctions will be assessed as provided by law.

PART 2: PLEASE PROVIDE FURTHER INFORMATION RELATED TO INVESTMENT ACTIVITIES IN IRAN

You must provide, accurate and precise description of the activities of the bidding person/entity, or one of its parents, subsidiaries or affiliates, engaging in the investment activities in Iran outlined above by completing the boxes below.

Name: _____ Relationship to Bidder/Offerrer: _____

Description of Activities: _____

Duration of Engagement: _____ Anticipated Cessation Date: _____

Bidder/Offerrer Contact Name: _____ Contact Phone Number: _____

Certification: I, being duly sworn upon my oath, hereby represent and state that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I attest that I am authorized to execute this certification on behalf of the above-referenced person or entity. I acknowledge that Town/ Township/ Borough/Government Agency is relying on the information contained herein and thereby acknowledge that I am under a continuing obligation from the date of this certification through the completion of any contracts with the MCMUA to notify the MCMUA in writing of any changes to the answers of information contained herein. I acknowledge that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I recognize that I am subject to criminal prosecution under the law and that it will also constitute a material breach of my agreement(s) with Morris County Municipal Utilities Authority, New Jersey and that the MCMUA at its option may declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print): Steven A. Tardy, PE

Signature: 

Title: President & CEO

Date: 1/28/25

MORRIS COUNTY MUA

Certification of Non-Involvement in Prohibited Activities in Russia or Belarus


Pursuant to N.J.S.A. 52:32-60.1, et seq. and N.J.S.A.40A:11-2.2 (L. 2022, c. 3) any person or entity (hereinafter "Vendor") that seeks to enter into or renew a contract with a local contracting unit subject to the Local Public Contracts Law for the provision of goods or services, or the purchase of bonds or other obligations, must complete the certification below indicating whether or not the Vendor is identified on the Office of Foreign Assets Control (OFAC) Specially Designated Nationals and Blocked Persons list, available here: <https://sanctionssearch.ofac.treas.gov/>. If the Department of the Treasury finds that a Vendor has made a certification in violation of the law, it shall take any action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party.

I, the undersigned, certify that I have read the definition of "Vendor" below, and have reviewed the Office of Foreign Assets Control (OFAC) Specially Designated Nationals and Blocked Persons list, and having done so certify

(Check the Appropriate Box)

- A. That the Vendor is not identified on the [OFAC Specially Designated Nationals and Blocked Persons list on account of activity related to Russia and/or Belarus](#).
- OR**
- B. That I am unable to certify as to "A" above, because the Vendor is identified on the [OFAC Specially Designated Nationals and Blocked Persons list on account of activity related to Russia and/or Belarus](#).
- OR**
- C. That I am unable to certify as to "A" above, because the Vendor is identified on the [OFAC Specially Designated Nationals and Blocked Persons list](#). However, the Vendor is engaged in activity related to Russia and/or Belarus consistent with federal law, regulation, license or exemption. A detailed description of how the Vendor's activity related to Russia and/or Belarus is consistent with federal law is set forth below.

(Attach Additional Sheets If Necessary.)



Signature of Vendor's Authorized Representative
Steven A. Tardy, PE President & CEO

Print Name and Title of Vendor's Authorized Representative
French & Parrello Associates, PA

Vendor's Name
1800 Route 34, Suite 101

Vendor's Address (Street Address)
Wall, NJ 07719

Vendor's Address (City/State/Zip Code)

1/28/25
Date

132800489
Vendor's FEIN

732-312-9800
Vendor's Phone Number

732-312-9801
Vendor's Fax Number

steven.tardy@fpaengineers.com
Vendor's Email Address

ⁱ Vendor means: (1) A natural person, corporation, company, limited partnership, limited liability partnership, limited liability company, business association, sole proprietorship, joint venture, partnership, society, trust, or any other nongovernmental entity, organization, or group; (2) Any governmental entity or instrumentality of a government, including a multilateral development institution, as defined in Section 1701(c)(3) of the International Financial Institutions Act, 22 U.S.C. 262r(c)(3); or (3) Any parent, successor, subunit, direct or indirect subsidiary, or any entity under common ownership or control with, any entity described in paragraph (1) or (2).

MORRIS COUNTY MUA

Affirmative Action Compliance Notice

EXHIBIT A

GOODS, GENERAL SERVICES, AND PROFESSIONAL SERVICES CONTRACTS

This form is a summary of the successful vendor's requirement to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27.

The successful respondent shall submit to the public agency, after notification of award but prior to execution of the contract, one of the following three documents as forms of evidence:

1. Letter of Federal Affirmative Action Plan Approval
2. Certificate of Employee Information Report
3. A photocopy of an Employee Information Report (AA302) provided by the Division and distributed to the public agency to be completed by the vendor in accordance with N.J.A.C. 17:27-4.

The successful vendor(s) must submit the copies of the AA302 Report to the Division of Contract Compliance and Equal Employment Opportunity in Public Contracts (Division). The Public Agency copy is submitted to the public agency, and the vendor copy is retained by the vendor.

The undersigned vendor further understands that his/her proposal shall be rejected as non-responsive if said vendor fails to comply with the requirements of N.J.S.A. 10:5-31 et seq. and N.J.A.C. 17:27.

Business Name: French & Parrello Associates, PA

Representative's Name (print): Steven A. Tardy, PE President & CEO

Representative's Signature:



Date: 1/28/25

Phone: 732-312-9800

MORRIS COUNTY MUA

Mandatory EEO Language

EXHIBIT A

MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE

N.J.S.A. 10:5-31 et seq. (P.L.1975, c.127)

N.J.A.C. 17:27 et seq.

GOODS, GENERAL SERVICES, AND PROFESSIONAL SERVICES CONTRACTS

During the performance of this contract, the contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

Such equal employment opportunity shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The contractor or subcontractor will send to each labor union, with which it has a collective bargaining agreement, a notice, to be provided by the agency contracting officer, advising the labor union of the contractor's commitments under this chapter and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

The contractor or subcontractor agrees to make good faith efforts to meet targeted county employment goals established in accordance with N.J.A.C. 17:27-5.2.

MORRIS COUNTY MUA

Mandatory EEO Language

The contractor or subcontractor agrees to inform in writing its appropriate recruitment agencies including, but not limited to, employment agencies, placement bureaus, colleges, universities, and labor unions, that it does not discriminate on the basis of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

The contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job related testing, as established by the statutes and court decisions of the State of New Jersey and as established by applicable Federal law and applicable Federal court decisions.

In conforming with the targeted employment goals, the contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions. The contractor shall submit to the public agency, after notification of award but prior to execution of a goods and services contract, one of the following three documents:

Letter of Federal Affirmative Action Plan Approval;

Certificate of Employee Information Report; or

Employee Information Report Form AA-302 (electronically provided by the Division and distributed to the public agency through the Division's website at: http://www.state.nj.us/treasury/contract_compliance).

The contractor and its subcontractors shall furnish such reports or other documents to the Division of Purchase & Property, CCAU, EEO Monitoring Program as may be requested by the office from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Purchase & Property, CCAU, EEO Monitoring Program for conducting a compliance investigation pursuant to N.J.A.C. 17:27-1.1 et seq

Business Name: French & Parrello Associates, PA

Representative's Name (print): Steven A. Tardy, PE President & CEO

Representative's Signature:



Date: 1/28/25

STATE OF NEW JERSEY
BUSINESS REGISTRATION CERTIFICATE

DEPARTMENT OF TREASURY/
DIVISION OF REVENUE
PO BOX 252
TRENTON, N J 08646-0252

TAXPAYER NAME:

FRENCH & PARRELLO ASSOCIATES P A

ADDRESS:

**1800 ROUTE 34 STE 101
WALL NJ 07719**

EFFECTIVE DATE:

04/01/74

TRADE NAME:

FRENCH AND PARRELLO ASSOCIATES P A

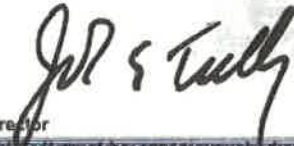
SEQUENCE NUMBER:

0102641

ISSUANCE DATE:

11/02/05

Director



FORM-BRC(08-01)

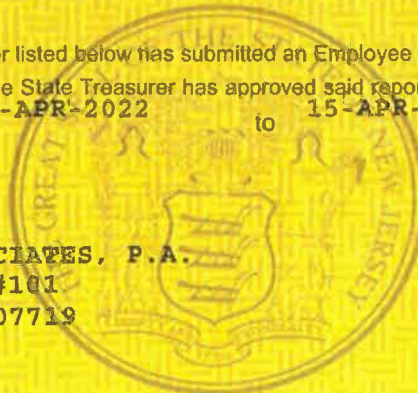
This Certificate is NOT assignable or transferable. It must be conspicuously displayed at above address.

Certification 7359

**CERTIFICATE OF EMPLOYEE INFORMATION REPORT
RENEWAL**

This is to certify that the contractor listed below has submitted an Employee Information Report pursuant to N.J.A.C. 17:27-1.1 et. seq. and the State Treasurer has approved said report. This approval will remain in effect for the period of **15-APR-2022** to **15-APR-2025**

**FRENCH & PARRELLO ASSOCIATES, P.A.
1800 ROUTE #34, SUITE #101
WALL NJ 07719**



ELIZABETH MAHER MUOIO
State Treasurer

MORRIS COUNTY MUA

Americans with Disabilities Act of 1990 Form

The CONTRACTOR and the OWNER do hereby agree that the provisions of Title 11 of the Americans With Disabilities Act of 1990 (the "ACT") (42 U.S.C. S12101 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs, and activities provided or made available by public entities, and the rules and regulations promulgated pursuant thereto, are made a part of this contract. In providing any act benefit, or service on behalf of the OWNER pursuant to this contract, the CONTRACTOR agrees that the performance shall be in strict compliance with the Act. In the event that the Contractor, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the CONTRACTOR shall defend the OWNER in any action or administrative proceeding commenced pursuant to this Act. The Contractor shall indemnify, protect, and save harmless the OWNER, its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages, of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The CONTRACTOR shall, at its own expense, appear, defend, and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the OWNER grievance procedure, the CONTRACTOR agrees to abide by any decision of the OWNER which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the OWNER or if the OWNER must any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the CONTRACTOR shall satisfy and discharge the same at its OWN expense.

The OWNER shall, as soon as practicable after a claim has been made against it, give written notice thereof to the CONTRACTOR along with full and complete particulars of the claim. If any action or administrative proceedings is brought against the OWNER or any of its agents, servants, and employees, the OWNER shall expeditiously forward or have forwarded to the CONTRACTOR every demand, complaint, notice, summons, pleading, or other process received by the OWNER or its representatives.

It is expressly agreed and understood that any approval by the OWNER of the services provided by the CONTRACTOR pursuant to this contract will not relieve the CONTRACTOR of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the OWNER pursuant to this paragraph.

It is further agreed and understood that the OWNER assumes no obligation to indemnify or save harmless the CONTRACTOR, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the CONTRACTOR expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the CONTRACTOR'S obligations assumed in this Agreement, nor shall they be construed to relieve the CONTRACTOR from any liability, nor preclude the OWNER from taking any other actions available to it under any other provisions of the Agreement or otherwise at law.

Furthermore, the contractor expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the contractor's obligations assumed in this Agreement, nor shall they be construed to relieve the contractor from any liability, nor preclude the owner from taking any other actions available to it under any other provisions of the Agreement or otherwise at law.

Business Name (Print): French & Parrello Associates, PA

Representative's Name (Print): Steven A. Tardy, PE

Representative's Title: President & CEO

Representative's Signature:



Phone: 732-312-9800

Date: 1/28/25

MORRIS COUNTY MUA

New Jersey Anti-Discrimination

Pursuant to N.J.S.A. 10:2-1:

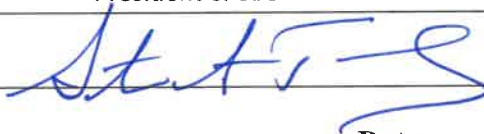
- a. In the hiring of persons for the performance of work under this contract or any subcontract hereunder, or for the procurement, manufacture, assembling or furnishing of any such materials, equipment, supplies or services to be acquired under this contract, no contractor, nor any person acting on behalf of such contractor or subcontractor, shall, by reason of race, creed, color, national origin, ancestry, marital status, gender identity or expression, affectional or sexual orientation or sex, discriminate against any person who is qualified and available to perform the work to which the employment relates;
- b. No contractor, subcontractor, nor any person on his behalf shall, in any manner, discriminate against or intimidate any employee engaged in the performance of work under this contract or any subcontract hereunder, or engaged in the procurement, manufacture, assembling or furnishing of any such materials, equipment, supplies or services to be acquired under such contract, on account of race, creed, color, national origin, ancestry, marital status, gender identity or expression, affectional or sexual orientation or sex;
- c. There may be deducted from the amount payable to the contractor by the contracting public agency, under this contract, a penalty of \$ 50.00 for each person for each calendar day during which such person is discriminated against or intimidated in violation of the provisions of the contract; and
- d. This contract may be canceled or terminated by the contracting public agency, and all money due or to become due hereunder may be forfeited, for any violation of this section of the contract occurring after notice to the contractor from the contracting public agency of any prior violation of this section of the contract.

Business Name (Print): French & Parrello Associates, PA

Representative's Name (Print): Steven A. Tardy, PE

Representative's Title: President & CEO

Representative's Signature:



Phone: 732-312-9800

Date: 1/28/25

MORRIS COUNTY MUA

Pay to Play Advisory

PAY TO PLAY ADVISORY

Disclosure Requirement

(N.J.S.A. 19:44A – 20.27)

Any business entity that has received \$50,000 or more in contracts from government entities in a calendar year will be required to file an annual disclosure report with ELEC.

The report will include certain contributions and contract information for the current calendar year.

At a minimum, a list of all business entities that file an annual disclosure report will be listed on ELEC's website at www.elec.state.nj.us.

If you have any questions please contact ELEC at:
1-888-313-ELEC (toll free in NJ) or
609-292-8700

An analyst from ELEC's Special Programs Section will assist you.

Initials

AT

Request for Taxpayer Identification Number and Certification

**Give Form to the
requester. Do not
send to the IRS.**

Print or type See Specific Instructions on page 2.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. French & Parrello Associates, PA	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶ _____	
	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <small>(Applies to accounts maintained outside the U.S.)</small>	
	5 Address (number, street, and apt. or suite no.) 1800 Route 34, Suite 101	Requester's name and address (optional)
	6 City, state, and ZIP code Wall Township, NJ 07719	
	7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number	
[] [] [] []	- [] [] - [] [] [] []
or	
Employer identification number	
1	3
-	2
8	0
0	4
8	9

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here	Signature of U.S. person ▶	Steven A. Tardy, PE President & CEO	Date ▶	January 28, 2025
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

Terra Insurance Company
(A Risk Retention Group)
Two Fifer Avenue, Suite 100
Corte Madera, CA 94925



DATE
01/01/25

CERTIFICATE OF INSURANCE

CERTIFICATE HOLDER

This is a specimen certificate of insurance. If you require a true certificate of insurance, please contact Terra Insurance Company.

This certifies that the "claims made" insurance policy (described below by policy number) written on forms in use by the Company has been issued. This certificate is not a policy or a binder of insurance and is issued as a matter of information only, and confers no rights upon the certificate holder. This certificate does not alter, amend or extend the coverage afforded by this policy.

The policy of insurance listed below has been issued to the insured named below for the policy period indicated. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain, the insurance afforded by the policy described herein is subject to all the terms, exclusions and conditions of such policy. Aggregate limits shown may have been reduced by paid claims.

TYPE OF INSURANCE Professional/Environmental Liability

POLICY NUMBER
225102

EFFECTIVE DATE
01/01/25

EXPIRATION DATE
12/31/25

LIMITS OF LIABILITY \$5,000,000 EACH CLAIM
\$5,000,000 ANNUAL AGGREGATE

PROJECT DESCRIPTION

For Evidentiary Purposes Only

CANCELLATION: If the described policy is cancelled by the Company before its expiration date, the Company will mail written notice to the certificate holder thirty (30) days in advance, or ten (10) days in advance for non-payment of premium. If the described policy is cancelled by the insured before its expiration date, the Company will mail written notice to the certificate holder within thirty (30) days of the notice to the Company from the insured.

NAME AND ADDRESS OF INSURED

French & Parrello Associates, P.A.
1800 Route 34, Suite 101
Wall, NJ 07719

ISSUING COMPANY:

TERRA INSURANCE COMPANY
(A Risk Retention Group)

A handwritten signature in blue ink, appearing to read 'David C. Cook', is written over a horizontal line.

President