RESPONSE TO THE REQUEST FOR QUALIFICATIONS FOR PROFESSIONAL SERVICES

ENGINEERING SERVICES – WATER DIVISION

ORIGINAL

January 28, 2025

Van Cleef
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www.vancleefengineering.com

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SECTION 1. INTRODUCTION

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1705 Route 37 East
Toms River, NJ 08753
732-573-0490

January 28, 2025

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

Re: RFP Professional Services - #01 Engineering Services – Water Division

Dear Mr. Gindoff:

Pursuant to the Morris County Municipal Utilities Authority's Request for Qualifications for Professional Engineering Services – Water Division, Van Cleef Engineering Associates, LLC (Van Cleef) is pleased to submit for review and consideration our Statement of Qualifications.

As a multi-disciplined firm of engineers, landscape architects, bridge and dam engineers, certified inspectors and land surveyors, Van Cleef provides expertise in all of the major areas of water/wastewater engineering, civil engineering and land surveying. Our firm has over 225 employees in nine (9) regional offices strategically located throughout New Jersey and eastern Pennsylvania. We are focused on building offices and long-term relationships in concentrated regions which allows us to bring a unique understanding of the local codes, regulations, and processes to every project. As a WBE-certified company, we adhere to the highest standards of business practices while championing opportunities for women in entrepreneurship and leadership roles. This certification underscores our credibility, reliability, and capability to meet the diverse needs of our clients and partners.

It is proposed that I, Mark A. Bean, PE, CGP, LEED AP, FIGP will serve as Project Principal and act as primary point of contact with the Authority. I bring more than three (3) decades of diverse facility-intensive planning, design, and construction management experience and have extensive expertise in water and wastewater treatment, in the design and construction of water and wastewater infrastructure, in the operations and maintenance of wastewater facilities and collection systems and water treatment facilities and distribution systems, and in efficient and effective planning for long-term capitalization and asset management to ensure a sustainable future for the Authority and its assets.

I will be supported by an exceptional team of professionals. We have been the water and wastewater engineers for dozens of Municipal and Regional Utility Authorities and municipalities and the water and wastewater design engineers for numerous land developers. Current Van Cleef staff members have extensive experience assisting Municipalities and Authorities with the design, construction and operation of numerous water and wastewater infrastructure projects including upgrades, rehabilitations, and expansions. In addition to our design professionals, members of our staff include licensed wastewater treatment plant and collection system operators. Our capabilities also include assisting with funding applications such as the NJ Infrastructure Bank (I-Bank) and the USDA loan & grant applications through the U.S. Department of Agriculture. Van Cleef's wastewater professionals are some of the best in the business.

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Please note that all required documents listed in this solicitation are included in this submission, including key staff and qualifications, areas of practice, experience and reputation, staff summaries, organizational chart, resumes, ability to provide timely services, and required business documents.

We appreciate the opportunity to submit this Statement of Qualifications and look forward to working with the Authority. Should you have any questions concerning this submission, please do not hesitate to contact me please do not hesitate to contact me directly at any time via phone at (732) 485-8594 or via email to mbean@vancleefengineering.com.

Very truly yours,

Mark A. Bean, PE, CGP, LEED AP, FIGP
Vice President, Water/Wastewater

FIRM PROFILE

Van Cleef Engineering Associates, LLC (Van Cleef) has successfully served municipalities and authorities with a broad spectrum of engineering and surveying services for over 50 years.

Van Cleef has over 225 employees in nine (9) regional offices strategically located throughout New Jersey and eastern Pennsylvania. Since its inception in 1972, Van Cleef has established itself with its peers and clients as a prominent and well-respected consulting firm. Our firm's success and accomplishments can be directly attributed to hard work and a commitment to providing clients with innovative and cost-effective solutions to their problems. We provide exceptional client service at economical rates and are focused on value engineering.

Van Cleef has extensive experience serving municipalities in Monmouth and Ocean County. Our services include: Municipal Consulting; Design and Inspection of Capital Projects, as well as the processing of permits with NJDEP and NJDOT; the Procurement and Coordination of State Grants/Funding Programs relating to road and environmental improvement projects; GIS/Mapping Systems; Construction Observation and Oversight for capital improvement and land development projects; Bid Solicitation and Evaluation; and Contractor Oversight and Inspection. Van Cleef provides Engineering assistance to Municipal Officials, Planning/Zoning Boards, Public Works Departments, and Department Heads as directed. Other disciplines include Landscape Architecture, Water/Wastewater Engineering, Planning, Land Surveying, and Bridge and Dam Engineering.

Our clients receive the benefits of a large firm resources while receiving one-on-one personalized service. All of our services will be provided through a single point of contact who will manage all assignments and provide quality control over all deliverables. Van Cleef's lead person will be Mark A. Bean, PE, CGP, LEED AP, FIGP, Vice President, Water/Wastewater

Presenting Office:

111 Howard Boulevard, Suite 110
Mt. Arlington, NJ 07856
P: 862-284-1100
F: 862-284-2033
Contact: Mark A. Bean, PE, CGP, LEED AP, FIGP
mbean@vancleefengineering.com

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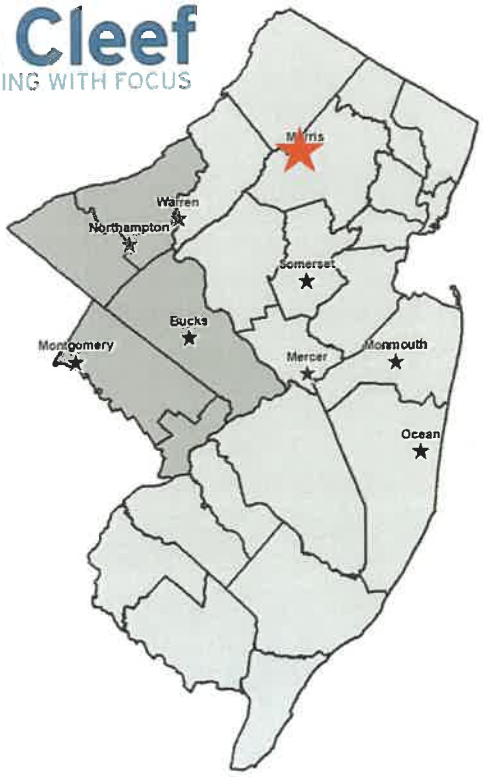

WBE CERTIFIED

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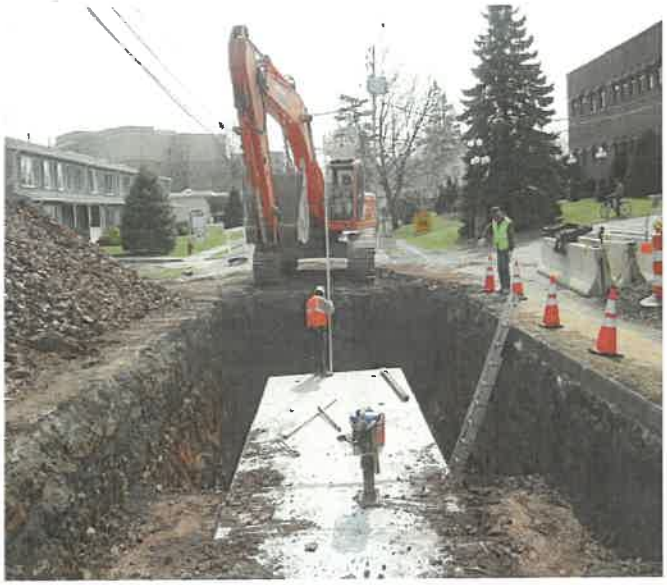
NJ STATE CERTIFIED
WBE | WOMEN BUSINESS ENTERPRISE

Van Cleef Engineering Associates, LLC (Van Cleef) is proud to announce that we have been certified as a Women's Business Enterprise (WBE) by the State of New Jersey.

This milestone reflects our unwavering commitment to diversity, equity, and inclusion in the business landscape. The WBE certification recognizes companies that are at least 51% owned, controlled, operated, and managed by women. It is a testament to our dedication to excellence, innovation, and empowerment.

Benefits of partnering with a WBE-certified company like ours include access to supplier diversity programs, fostering of new business relationships, and supporting the growth of women in business.

FIRM OVERVIEW



Van Cleef takes a strategically focused approach that provides innovative and cost-effective engineering solutions to public and private clients, and the resources to help build better communities for today and into the future. As a multi-disciplined firm of engineers, landscape architects, planners, bridge and dam engineers, certified inspectors and land surveyors, we provide expertise in all of the major areas of civil engineering and land surveying.

Since our inception in 1972, the professionals at Van Cleef approach every job the same way: with unwavering honesty, integrity, and passion. Van Cleef has more than 225 employees in nine (9) regional offices strategically located throughout New Jersey and eastern Pennsylvania. Relevant services we can provide include:

- Water & Wastewater Engineering
- Utility Operations
- Stormwater Management
- Watershed Management
- Capital Infrastructure Design & Specifications
- Construction Inspection/ Monitoring/Management
- Local, State, & Federal Permitting
- Land Surveying
- Flow Metering and Projections
- Soils Investigation & On-Lot Sewage Disposal
- Geotechnical Engineering
- Dam Design and Inspection
- Meeting Representation/Attendance
- Community & Regional Planning
- Municipal Engineering
- Plan Reviews
- Grant Writing & Administration

OFFICE LOCATIONS/PROFESSIONAL PARTNERS

OFFICE LOCATIONS

Headquarters
32 Brower Lane
Hillsborough, NJ 08844 Tel: 908-359-8291

Toms River, New Jersey Office
1705 Route 37 East
Toms River, NJ 08753 Tel: 732-573-0490

Mt. Arlington, New Jersey Office
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Mt. Arlington, NJ 07856 Tel: 862-284-1100

Hamilton, New Jersey Office
4 AAA Drive, Suite 103
Hamilton, NJ 08691 Tel: 609-689-1100

Freehold, New Jersey Office
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Freehold, NJ 07728 Tel: 732-303-8700

Phillipsburg, New Jersey Office
755 Memorial Parkway, Suite 110
Phillipsburg, NJ 08865 Tel: 908-454-3080

Doylestown, Pennsylvania Office
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Doylestown, PA 18901 Tel: 214-345-1876

Bethlehem, Pennsylvania Office
1685 Valley Center Parkway, Suite 100
Bethlehem, PA 18018 Tel: 610-332-1772

Pottstown Pennsylvania Office
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Pottstown, PA 19464 Tel: 610-323-4040

PROFESSIONAL PARTNERS

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32 Brower Lane
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Mt. Arlington, NJ 07856 Tel: 862-284-1100

F. William Groff III, PE, CME
1705 Route 37 East
Toms River, NJ 08753 Tel: 732-573-0490

EXECUTIVE SUMMARY

This Executive Summary highlights the key points of Van Cleef Engineering Associates' Statement of Qualifications for the Provision of Engineering Services – Water Division for the Morris County Municipal Utilities Authority. All required information prescribed in the Request for Qualifications is provided in our document.

Our Firm

Van Cleef has successfully served municipalities and authorities with a broad spectrum of engineering and surveying services for over 50 years. We take a strategically focused approach that provides innovative and cost-effective engineering solutions to public and private clients, and the resources to help build better communities for today and into the future. As a multi-disciplined firm of engineers, landscape architects, planners, bridge and dam engineers, certified inspectors and land surveyors, we provide expertise in all of the major areas of civil engineering and land surveying.

Since our inception in 1972, the professionals at Van Cleef approach every job the same way: with unwavering honesty, integrity, and passion. Van Cleef has more than 225 employees in nine (9) regional offices strategically located throughout New Jersey and eastern Pennsylvania.

Our People

The ability of our firm to align with the Authority's vision and help achieve your goals depends on people – ours and yours. We can provide the Authority with the best technical support in the business with a personal "one-on-one" relationship. Van Cleef professionals take pride in helping you achieve your goals, and the expectation is that the people within our organizations will establish and nurture the professional relationships needed to provide success. Van Cleef people are proven, experienced and dedicated professionals who will collaborate with your directors, managers, superintendents, operators and third-party consultants in the pursuit of achieving your goals.

Our Commitment

Van Cleef is committed to fostering a communicative, collaborative working environment with the Authority. This includes our technical expertise and practical know-how, regulatory knowledge, and most importantly our professional's zeal to meet and exceed your expectations. We are confident that our team is particularly well qualified for any project advanced by the Authority that requires the efficient and successful completion of municipal engineering services. We have provided the Authority with an overview of our experience, key staff, resources, and capabilities in the various areas of Engineering for which we can provide services.

Van Cleef looks forward to working together with you to understand and deliver our services that meets the Authority's vision for the future.

STATEMENT OF QUALIFICATIONS

Van Cleef Engineering Associates, LLC (Van Cleef) is pleased to submit this Statement of Qualifications.

Van Cleef Engineering Associates, LLC is a dynamic, multi-disciplined firm of engineers, landscape architects, bridge and dam engineers, certified inspectors and land surveyors who provide expertise in all of the major areas of water and wastewater engineering, civil engineering and land surveying. Van Cleef has over 225 employees in nine (9) regional offices strategically located throughout New Jersey and eastern Pennsylvania. Since its inception in 1972, Van Cleef has established itself with its peers and clients as a prominent and well-respected consulting firm. The firm's success and accomplishments can be directly attributed to hard work and a commitment to providing clients with innovative and cost-effective solutions to their problems.

We are confident that our Team is particularly well qualified for any project advanced by the Authority that requires the efficient and successful completion of engineering and inspection related services. We have provided the Authority herein with an overview of our experience, key staff, resources, and capabilities in the various areas of Engineering and Inspection for which we can provide services.

Description of Services

Water and Wastewater - Our Team serves as engineering consultant to a large number of water and wastewater utility agencies with average daily water and wastewater flows ranging from 6,000 GPD to 40 MGD.

A full range of services are provided including planning, design and construction administration of a wide variety of capital projects including water and sewage treatment plants, pump stations and force mains, water production wells, potable water storage tanks, collection and distribution systems, and other sanitary and environmental projects. Our Team also performs infrastructure feasibility studies and master plans, a variety of water distribution and storage studies, sewer system evaluation surveys and water and sewer system valuation studies.

Additional services provided include review of proposed expansions to our client's water and wastewater systems to accommodate new developments, along with capital project planning and budget analysis. Assistance is also provided with operations related issues and application of new state and federal regulations.

Federal and State Permits - Our Team has many years experience in acquiring both federal and State approvals and permits for the construction of drainage improvements, wastewater collection and treatment systems and water distribution and treatment systems. Some of the agencies from which these approvals have been received include the Department of Environmental Protection, Department of Community Affairs, Department of Transportation, United States Army Corps of Engineers, and local agencies.

Grant Writing and Administration – Our Team has many years of experience assisting clients with grants and low interest loan funds through various federal and State agencies. Our experience includes preparation of documentation from initial inquiry, evaluations required to support the application, application preparation and submission, construction and grant administration, and project closeout. Examples of these loans and grants include awards from USDA, NJ INFRASTRUCTURE BANK, NJ Environmental Infrastructure Trust, New Jersey Highlands Council, NJDEP and NJDOT.

Capital Infrastructure Design & Specifications - Our Team has many years of experience in preparing design drawings and securing all required permits for projects ranging from minor drainage plans to be constructed using in-house forces, through major capital improvement projects with contract costs in excess of $20 million. Services provided for such projects have included the preparation of funding applications, permit applications, design drawings, bid specifications and related bid documents, administration of the bidding process, review of successful bidders, recommendations for award and execution of contracts, construction inspection, construction supervision, and the processing of paperwork through various funding agencies.

Our Team has also prepared designs for a variety of roadway projects. The team has a great deal of experience with improvements to existing streets where existing infrastructure, adjacent buildings, properties and landscaping were to be preserved. The firm prides itself on its ability to prepare unique designs compliant with prevailing design standards while maintaining the character of the project area.

Geotechnical Engineering - Our Team provides a complete range of geotechnical engineering services for highways, bridges and structures. We can explore the subsurface soil and groundwater conditions using test borings and test pits. We can provide geotechnical engineering soil properties of the encountered subsurface materials. Our Team can evaluate site foundation conditions and provide recommendations relative to the support and sub-drainage requirements for foundation construction. Our geotechnical engineers have provided soils and foundation reports for the NJDOT and various NJ County Departments of Public Works. We have performed Dam inspections, completed hydrologic and hydraulic analyses including dam break analyses. We have designed new spillways and rehabilitated dams to contain the design storm. We are approved by NJDOT to perform dam inspection and design and currently holds the multi-year contract for the inspection of NJDOT dams.

Construction Management and Inspection - Our Team maintains a complement of experienced construction inspectors and related supervisory staff. Our construction inspectors have gained experience from prior extensive training, on-the-job experience along with experience as site contractors and public works superintendents. This depth of experience enables our staff to ensure developer compliance with municipal codes and ordinances, developer agreements, and approved plans. Where applicable, we ensure that performance bonds and inspection fees were tracked according to applicable standards.

Land Surveying - Our Team includes many licensed land surveyors. Our surveyors have extensive experience in performing private land surveys, title surveys and major boundary surveys for private clientele, local municipalities, and county government as well as state and federal governments. Many of these surveys have included the determination of existing property lines and roadway rights-of-way, preparation of right-of-way acquisition plans, preparation of metes and bounds descriptions, setting of right-of-way monumentation and researching deeds of record, including Road Returns, to determine the historical nature of the particular street of concern and provide a basis for the establishment of right of way.

Unmanned Aerial Service – Our Team consists of FAA licensed remote pilots who utilize the latest UAS technology and LIDAR to deliver accurate, up-to-date site information in a safety conscience and cost efficient manner. Our remote pilots work hand-in-hand with field inspectors, land surveyors, and project managers, empowering them to work more efficiently and with more data than ever before.

Geographic Information Systems – Geographic Information Systems, also known as GIS, is simultaneously a software as well as science used for creating, managing, analyzing, and visualizing spatial data. As technology continues to progress, GIS has offered revolutionary solutions to the way we identify problems, monitor changes, set priorities, manage assets, and gives us insight into the future in quantifiable ways. At Van Cleef, we use this technology to support our Professional Planners, Engineers, Surveyors, Architects and Clients by providing expertise in GIS. As a result, the reports that are written, and the deliverables our clients receive are enriched with meaningful data that comes to life in front of their eyes. Gone are the days that maps are constrained to physical mediums, with the advances of interactive web map applications that offer the user a dynamic experience, we are revolutionizing the way we design our communities and manage our infrastructure and resources. We are at a unique cornerstone of technological history, and it is our responsibility to ensure spatial information and local knowledge is preserved as it makes its way from the minds of our clients, paperwork stuffed in a cabinet somewhere, and recover that which has already been lost onto a digital platform, safe for generations to come.

SECTION 2: REPRESENTATIVE CLIENTS, PROJECT EXPERIENCE & REFERENCES

REPRESENTATIVE CLIENTS – WATER/WASTEWATER

County, State	Organization
Bergen, NJ	Bergen County Utilities Authority
Hunterdon, NJ	Lambertville Municipal Utilities Authority
Mercer, NJ	East Windsor Municipal Utilities Authority
Monmouth, NJ	Bayshore Regional Sewerage Authority
	Long Branch Sewerage Authority
	Manasquan River Regional Sewerage Authority
	Middletown Township Sewerage Authority
	Western Monmouth Utilities Authority
Morris, NJ	Parsippany-Troy Hills Sewer Utility
Ocean, NJ	Berkeley Township Municipal Utilities Authority
	Brick Township Municipal Utilities Authority
	Jackson Township Municipal Utilities Authority
	Lakewood Township Municipal Utilities Authority
	Ocean County Utilities Authority
	Plumsted Municipal Utilities Authority
	South Toms River Sewerage Authority
Sussex, NJ	Hardyston Township Municipal Utilities Authority

REPRESENTATIVE CLIENTS – MUNICIPAL

County, State	Organization
Bergen, NJ	Allendale Borough
Essex, NJ	South Orange Village Township
Gloucester, NJ	Maryville (Franklinville, NJ)
Hunterdon, NJ	Alexandria Township
	Bethlehem Township
	Clinton (Town)
	Delaware Township Zoning Board of Adjustment
	East Amwell Township
	Flemington Borough Planning Board
	Frenchtown Borough Land Use Board
	Holland Township Land Use Board
	Kingwood Township
	Readington Township
	Tewksbury Township
	Union Township
Mercer, NJ	Hamilton Township – Division of Water Pollution
	Hopewell Township
	Robbinsville Township
	West Windsor Township
Middlesex, NJ	Cranbury Township
Monmouth, NJ	Allentown Borough
	Oceanport Borough
	Sea Bright Borough

REPRESENTATIVE CLIENTS – MUNICIPAL

County, State	Organization
Morris, NJ	Chatham Borough
	Chester Borough
	Long Hill Township
	Mt. Olive Township
	Washington Township
Ocean County, NJ	Barnegat Township
	Bay Head Borough
	Berkeley Township
	Brick Township
	Harvey Cedars Borough
	Island Heights Borough
	Lacey Township
	Lavallette Borough
	Ocean Gate Borough
	Plumsted Township
	Point Pleasant Borough
	Point Pleasant Beach Borough
	Seaside Heights Borough
	South Toms River Borough
	Stafford Township
Somerset, NJ	Bridgewater Township
	Manville Borough
	Neshanic Valley Golf Course
	Raritan Borough
	Rocky Hill Borough
Sussex, NJ	Franklin Borough
	Hardyston Township

REPRESENTATIVE CLIENTS – MUNICIPAL

County, State	Organization
Sussex, NJ cont.	Hopatcong Borough
	Lafayette Township
	Ogdensburg Borough
	Stillwater Township
	Sussex Borough
	Walpack Township
Warren, NJ	Alpha Borough
	Harmony Township
	Knowlton Township
	Phillipsburg (Town)
	Washington Borough
	Washington Township

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Lake Drive Water Main Extension

Borough of Island Heights | Ocean County, New Jersey

Van Cleef was contracted by the borough of Island heights to provide design, bidding and construction services for the installation of an 8" diameter C900 PVC water main extension along Lake Drive. In general, the work will include furnishing of all labor, materials and equipment necessary to complete the replacement (relocation) and abandonment of the Borough's existing 4" ACP and Cast Iron water main along Lake Drive, as shown on the Drawings and as described in the Specifications.

The work for the aforementioned water main extension will include installation of approximately 1,174 LF of new 8" diameter C900 PVC water main, removal & replacement of approximately thirteen (13) existing house service connections and one (1) commercial building service connection from the new main to the curb stop, abandonment in place of existing of 4" ACP and Cast Iron water main with flowable fill, installation of tapping valves, insertion valves, gate valves, hydrants, fittings, thrust blocks, and general site restoration. The water main and the associated work was completed in a timely fashion without any change orders required. The completion of this project completes the water main replacement along Lake Drive for the Borough.

CLIENT CONTACT

Borough of Island Heights

PROJECT HIGHLIGHTS

- Municipal Client
- Utility Coordination
- Design, Bidding & Construction Services
- Completed within Budget and On Time

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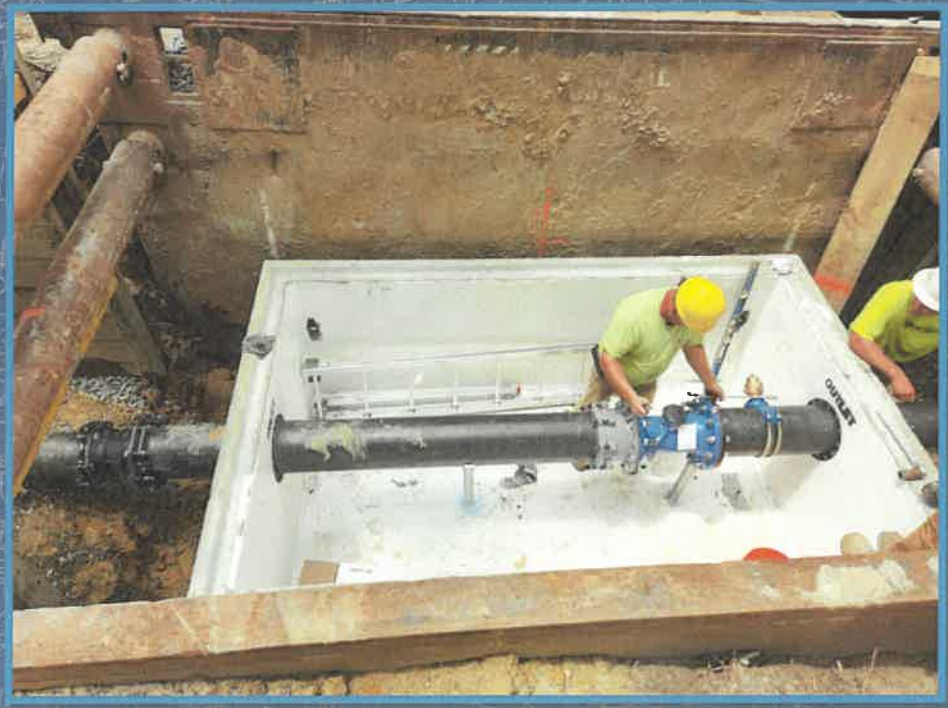
Water Meter Installations

Township of Lakewood | Ocean County, New Jersey



Van Cleef was tasked with design, bidding and construction services related to the Water Meter Installations in the Original Leisure Village (OLV) and Leisure Village East (LVE) retirement community sections of the LTMUA's service area. LTMUA was desirous of installing eight (8) new water meter vaults in OLV and three (3) replacement water meters in existing vaults that are to remain in LVE. Van Cleef designed a total of eleven (11) water meter vaults which involved isolating the flow outside of the vault on both ends. Design for Insertion valves installed on the mains where existing valves are not available to isolate the vault were also included. A bi-directional water flow meter was installed inside all the vaults. Eleven (11) new concrete tops for each vault (new and existing) were also installed.

Additionally, Van Cleef provided construction services including hosting of preconstruction meeting, review of submittals, preparation of payment applications and change orders, attendance of periodic construction meetings, documenting daily construction reports, maintaining as built drawings, witness testing and commissioning of each chamber, preparation of record drawings and final closeout of the project.

CLIENT CONTACT

Lakewood Township
Municipal Utilities Authority

PROJECT HIGHLIGHTS

- Corrected metering station inaccuracies
- Designed a hi-level bypass
- Obtaining NJDOT and Ocean Count Road Opening Permits
- Detailed coordination and construction techniques prepared
- Utility Coordination

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Water Storage Tank Replacement

Borough of Island Heights | Ocean County, New Jersey

Van Cleef was contracted by the Borough of Island Heights to provide design, bidding and construction services for the replacement of their existing water storage tank with a new 250,000 gallon pedestal style tank. Project was triggered following a successful study of the area and research into water storage tank styles to determine the best fit for the Borough.

Responsibilities included preparation of contract documents, coordination with NJDEP, review of bids, preparation of award notice, inspection of installation,, directly speaking with residents, client, contractor and government agencies, preparation of payment applications, change order, closeout documents and overall coordination.

CLIENT CONTACT

Borough of Island Heights

PROJECT HIGHLIGHTS

- Municipal Client
- Utility Coordination
- Design, Bidding and Construction Services
- NJDEP Permitting

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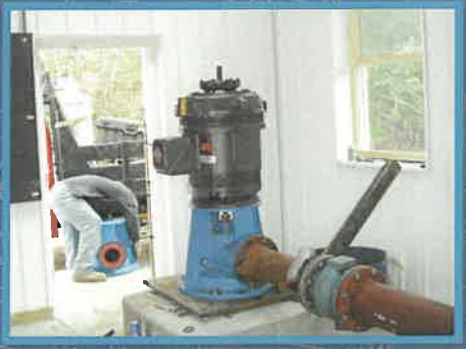
Potable Water Supply Well #9

Borough of Island Heights | Ocean County, New Jersey



Van Cleef was contracted by the Borough of Island Heights to provide design, permitting, bidding and construction services for the installation of water supply well No. 9. The project was funded through the NJDEP Infrastructure Trust program.

Responsibilities included preparation of contract documents, NJDEP Bureau of Drinking Water, soil erosion and infrastructure trust permitting, review of bids, preparation of award notice, inspection of installation, coordination with client, contractor and government agencies, preparation of payment applications, change order, closeout documents and overall coordination.

CLIENT CONTACT

Borough of Island Heights

PROJECT HIGHLIGHTS

- Municipal Client
- Utility Coordination
- NJDEP Funded
- NJDEP Permitting
- Design, bidding and construction services

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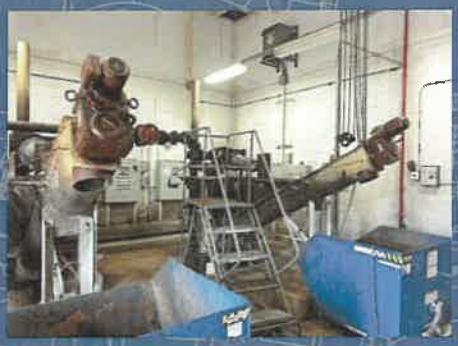
Oakhurst Wastewater Treatment Plant Facility Assessment

Township of Ocean | Ocean County, NJ



Van Cleef was tasked with performing a comprehensive assessment of the Township of Ocean Sewerage Authority's (TOSA) existing 7.5 MGD Purox activated sludge wastewater treatment plant (WWTP). The work included field investigations, condition assessment, updating of an exiting Asset Management Plan (AMP), and preparation of Capital Improvements Plan (CIP) projects in 1, 5 and 10 year increments.

The condition assessment included recent visual inspections of each treatment process throughout the WWTP, along with interviews with plant personnel to fully understand the operation of all equipment. Each unit process was rated with a general condition assessment, along with discipline-specific observations including Structural, HVAC, Architectural, Process/Mechanical and Electrical.

During the assessment, Van Cleef reviewed and updated the current AMP that was last prepared and updated back in October of 2018. Van Cleef went through each treatment process facility and asset item to confirm their functionality and if they still exist. Any new items that were discovered where added to the list as well as any assets that were identified as obsolete and antiquated were removed. We also documented various field notes, and anything mentioned by WWTP personnel within the AMP while compiling inspection photos.

While updating the AMP, criticality and condition ratings were included under the appropriate 1, 5 and 10 year CIP planning for each asset at the plant. The CIP packaged projects in 1, 5 and 10 year categories along with funding options for each. The philosophy behind each project for the respective 1, 5 and 10 year CIPs involved consideration of economy of scale, specific disciplines involved (structural, electrical, mechanical, etc.), overall & condition rating from the AMP, Authority input and the treatment process. The goal was to group similar plant improvements to cut down on contractor's requiring multiple specialized subcontractors to inevitably cut down on construction costs.

CLIENT CONTACT

Tim Shea
Executive Director
Township of Ocean Sewerage Authority
224 Roosevelt Avenue
Oakhurst, NJ 07755
732-531-2213

PROJECT HIGHLIGHTS

- Utility Coordination
- Field Investigations
- Condition Assessment
- Capital Improvements

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RELEVANT PROJECT LIST (WATER)

PROJECT: NEW JERSEY INFRASTRUCTURE FINANCING PROGRAM (NJEIFP) APPLICATION FOR WATER STORAGE TANK REPAINTING INCLUDING PLANS AND SPECIFICATIONS
CLIENT: BOROUGH OF LAVALLETTE
SERVICES: Prepared complete NJEIFP Application for the complete removal of the Borough's 500,000 gallon elevated water storage tank protective coating and repainting the tank inside and out. Services included project report, environmental review and cost estimates, letter of intent, SED, cultural resources, preparation of plans and specifications for a $1.35 million project.

PROJECT: GROUNDWATER RULE COMPLIANCE
CLIENT: JACKSON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY
SERVICES: Prepared construction plans and specifications necessary to bring JTMUA's nine (9) water supply/treatment facilities into NJDEP Groundwater Rule Compliance. Work also included obtaining NJDPE BSDW permit and preparation of final report summarizing chlorine contact times at all water sources point of entry and submittal of NJDEP GWR Compliance Certifications that 4-log is achieved.

PROJECT: WATER TREATMENT PLANT REPLACEMENT
CLIENT: BOROUGH OF ISLAND HEIGHTS
SERVICES: Construction management and inspection services for the replacement of the Borough's Ion Exchange Water Treatment Plant with a new 750 gpm Greensand Plus Water Treatment Plant that includes backwash decanting, chemical feed system, well interconnections, flow monitoring, treatment, security and fire alarm system and a SCADA monitoring and control system. As part of the Construction Contract for the treatment plant replacement, all flow meters and flow control valves designed to operate through a SCADA System had to be reevaluated and redesigned for plant operations and to meet manufacturers required tolerances. Work included redesigning the water filters face piping, decant facilities and plant flow meter for proper installation, free of up and downstream constructions and maintaining full pipe operations in eight process control meters.

PROJECT: WATER STORAGE TANK REPLACEMENT
CLIENT: BOROUGH OF ISLAND HEIGHTS
SERVICES: Construction management and inspection services for the replacement of the Borough's inefficient, antiquated standpipe with a 250,000-gallon Elevated Water Spheroid. Work also included providing accommodations for cellular carrier equipment installations.

PROJECT: EMERGENCY WELL NO. 10
CLIENT: BOROUGH OF ISLAND HEIGHTS
SERVICES: Provided emergency engineering services necessary to design, construct and permit emergency Well No. 10. Well No. 10 had to be constructed to replace the Borough's only active potable water supply. Well No. 8 that had to be removed from service due to a casing breach.

PROJECT: WATER STORAGE TANK REPAINTING
CLIENT: BOROUGH OF SEASIDE HEIGHTS
SERVICES: Preparation of construction drawings and specifications and provide construction services for the repair and repainting of the 300,000-gallon elevated water storage tank interior and exterior surfaces. Work consisted of coordination with four (4) cellular companies to replace and move inadequate brackets and offsets to allow cleaning and painting of all tank surfaces. All brackets, offset supports and cables were repainted.

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PROJECT: WATER STORAGE TANK REHABILITATION
CLIENT: BOROUGH OF ISLAND HEIGHTS
SERVICES: Evaluate the condition of the 60-year old 100,000 gallon water storage tank. Prepare Contract Documents for the reconstruction of the upper portion of the tank and painting inside and outside. The firm also provided construction management services.

PROJECT: WATER SUPPLY WELL #9
CLIENT: BOROUGH OF ISLAND HEIGHTS
SERVICES: Designed and prepared contract plans and specifications for the construction of a 350-foot deep 500-gpm potable water supply well and well house. Work includes NJDEP permit applications, obtaining funding through the New Jersey Department of Environmental Protection Drinking Water State Revolving Fund (DWSRF) Loan Program and Construction Management Services.

PROJECT: INSTALLATION OF WATER METERS
CLIENT: BOROUGH OF SEASIDE HEIGHTS
SERVICES: Provide detailed water meter study and recommendations to the Borough for metering of domestic water services in the Borough. Preparation of contract plans and specifications for water meter/water pit construction to over 2500 existing water services. Provided construction management services for this USDA –Rural Development funded project.

PROJECT: LAKE DRIVE WATER MAIN EXTENSION
CLIENT: BOROUGH OF ISLAND HEIGHTS
SERVICES: Preparation of contract plans and specifications for the water main extension of approximately 1,174 LF of new 8" diameter C900 PVC pipe. Work included removal & replacement of approximately thirteen (13) existing house service connections and one (1) commercial building service connection from the new main to the curb stop, abandonment in place of existing of 4" ACP and Cast Iron water main with flowable fill, installation of tapping valves, insertion valves, gate valves, hydrants, fittings, thrust blocks, and general site restoration. The water main and the associated work was completed in a timely fashion without any change orders required. The completion of this project completes the water main replacement along Lake Drive for the Borough. The firm also provided Construction Management Services for this NJDOT Municipal Aid funded project.

PROJECT: GLENSIDE DRIVE & KENNEDY DRIVE WATER MAIN REPLACEMENT
CLIENT: TOWNSHIP OF MOUNT OLIVE
SERVICES: Preparation of contract plans and specifications for the water main REPLACEMENT of approximately 2,365 LF of new 6" diameter ductile iron pipe. Work included removal & replacement of approximately thirty-two (32) existing house connections, abandonment in place of 6" ACP water main to be filled with flowable fill, installation of insertion valves, gate valves, hydrants, fittings, thrust blocks, site work including curbing, driveway, driveway apron and decorative stone restoration, landscaping, and general site restoration.

PROJECT: STAND-BY EMERGENCY POWER FOR THE DEPARTMENT OF PUBLIC WORKS AND WATER SUPPLY WELL NO. 4
CLIENT: BOROUGH OF LAVALLETTE
SERVICES: Preparation of construction plans and specifications and project Construction Administration and Inspection Services for the combining of two (2) electrical services and providing emergency power (15KW diesel generator) to Well House No. 4, Water Treatment Plant, DPW Building and Borough Fuel Pumps.

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PROJECT: REDRILL MUNICIPAL WELL No. 5
CLIENT: BOROUGH OF SEASIDE HEIGHTS
SERVICES: Provide construction management services for the redrilling of a 800 gallon per minute potable well, including pilot well, screen and gravel pack design, under reaming and testing.

PROJECT: WATER SUPPLY WELL NO. 7
CLIENT: BOROUGH OF SEASIDE HEIGHTS
SERVICES: Preparation of contract plans and specifications for construction of a 1700-foot-deep, 1000 gpm potable water supply well in the Potomac-Raritan-Magothy Aquifer and related equipment. Design included permit applications to the NJ DEP Bureau of Safe Drinking Water and the Bureau of Water Allocation regulatory review agencies.

PROJECT: WATER TREATMENT PLANT – CLARIFIER REHABILITATION
CLIENT: BOROUGH OF SEASIDE HEIGHTS
SERVICES: Preparation of construction plans and specifications and perform contract administration services for removal and replacement of two (2) 47-foot diameter clarifiers internal equipment and components.

PROJECT: REHABILITATION OF POTABLE WATER SUPPLY WELL NO. 4
CLIENT: BOROUGH OF LAVALLETTE
SERVICES: Designed, permitted, prepared contract documents and performed construction services for the rehabilitation of Well No. 4. Well No. 4 has had a sand problem since it was drilled in 1959. The well was 1515 feet deep and despite the sand it was a reliable water supply. Due to its depth, replacement is a very costly venture that the Borough would like time to plan for. In that regard, a pre-packed (channel-pack) well screen, properly sized to filter out the fine formation sands entering the well, was installed inside the existing inner casing and well screen. Once installed it provides the structural strength of a new screen and will significantly extend the useful life of the well at a reasonable cost. Work consisted of air lifting debris out of the well, redevelopment of the existing screen, gravel pack and formation for the removal of bentonite, iron, manganese, calcium and resetting the gravel pack and replacement of a new well pump.

PROJECT: WATER STORAGE TANK REPAINTING
CLIENT: BOROUGH OF LAVALLETTE
SERVICES: Inspection of tank and preparation of contract documents for the re-painting and miscellaneous minor repair work for the Borough's 500,000 gallon fluted elevated column water storage tank. Work consists of repair, cleaning, surface preparation and re-painting of the water tanks interior and exterior surfaces.

PROJECT: WATER BOOSTER PUMPING STATION—LAKEWOOD TOWNSHIP
CLIENT: OCEAN COUNTY BOARD OF CHOSEN FREEHOLDERS
SERVICES: Plans and specifications for 1,500 gallon per minute water booster pumping station meeting NFPA standards for the Ocean County Recycling Center. Also provided construction management services.

PROJECT: WATER TREATMENT PLANT – CHLORINE CONVERSION
CLIENT: BOROUGH OF OCEAN GATE
SERVICES: Preparation of construction drawings and NJDEP TWA permit necessary for converting chlorine gas (pre and post) iron oxidation and disinfection system to sodium hypochlorite.

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PROJECT: REHABILITATION OF WATER PRODUCTION - WELL #4
CLIENT: BOROUGH OF OCEAN GATE
SERVICES: Preparation of construction drawings and specifications for removal and replacement of pumping equipment and motors, well inspection and reconditioning of well, if necessary, and piping, valve and restraint system replacement inside well house.

PROJECT: WATER STORAGE TANK CONSTRUCTION
CLIENT: BOROUGH OF OCEAN GATE
SERVICES: Prepare Engineer's Report to document required size of storage tank, prepare Plans and Specifications and Application to the NJ DEP for a new 200,000 gallon water storage tank and provide construction management services.

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RELEVANT PROJECT LIST (WASTEWATER)

PROJECT: WASTEWATER TREATMENT PLANT FACILITY ASSESSMENT
CLIENT: TOWNSHIP OF OCEAN SEWERAGE AUTHORITY, MONMOUTH COUNTY, NJ
SERVICES: Van Cleef was tasked with performing a comprehensive assessment of the Township of Ocean Sewerage Authority's (TOSA) existing 7.5 MGD Purox activated sludge wastewater treatment plant (WWTP). The work included field investigations, condition assessment, updating of an exiting Asset Management Plan (AMP), and preparation of Capital Improvements Plan (CIP) projects in 1-, 5- and 10-year increments.

PROJECT: GLENBOURNE PUMPING STATION UPGRADES
CLIENT: TOWNSHIP OF BOONTON, MIDDLESEX COUNTY, NJ
SERVICES: Van Cleef was tasked with the design, bidding and construction services for the Glenbourne Pump Station upgrade project. The project scope of work included the conversion of an existing Smith and Loveless-style pump station to a submersible-style station. The work included replacement of pumps, abandonment of existing below grade drywell, installation of bypass connection, redirecting three (3) influent sewers into wet well into singular connection, replacement of electrical components and controls, and site improvements.

PROJECT: JACKSON TOWNSHIP METERING STATION IMPROVEMENTS
CLIENT: OCEAN COUNTY UTILITIES AUTHORITY
SERVICES: Design and construction services to correct metering inaccuracies occurring during low flow periods as the differential meters were too large to accurately record flow. OCUA metering problems were corrected by isolating Jackson's wastewater flow by removing it from an interceptor, pumping through a smaller meter chamber and returning the flow back to OCUA's interceptor.

PROJECT: SANITARY SEWER EXTENSION AND PUMP STATION ABANDONMENT
CLIENT: JACKSON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY
SERVICES: Preparation of construction plans and specifications for the decommissioning of the Oakley Hills Pump Station, replacement of 365 LF of 8-inch sanitary sewer and installation of 974 LF of 8-inch sanitary sewer remains.

PROJECT: SANITARY SEWER TRENCHLESS REHABILITATION PROJECT
CLIENT: JACKSON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY
SERVICES: Preparation of construction plans and specifications for repairing the Authority's sanitary sewer system. The project consists of 37 CIP spot repairs, 5,000 linear feet of CIP main line pipe lining, 10 CIP service lateral linings, 14 deep house stack chemical groutings, 29 manhole linings/grouting's and 14 service lateral cleanout installations. Alternate bids were also taken for construction of 270 more active service lateral cleanouts.

PROJECT: FLAIR PUMP STATION EMERGENCY REPAIRS
CLIENT: JACKSON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY
SERVICES: Preparation of construction plans and Request for Quotations (RFQ) to repair a severely corroded concrete wetwell. Work included construction of pump station bypass facilities, manhole grouting and lining to repair corrosion damage and prevent future chemical attacks on concrete wetwell structure, installation of new trash baskets, removal and replacement of wetwell top slab and access hatch, maintenance of sewage flow while repairs are being made, pump pulley and belt replacement to increase pump capacity and site and wetwell lighting installation. Project included Contract Administration Services.

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PROJECT: SANITARY SEWER EVALUATION – PHASES 1 THROUGH 6
CLIENT: JACKSON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY
SERVICES: Preparation of construction plans, specifications and perform Contract Administration services for cleaning and televising over 75 miles of sewer ranging from 8 inch – 30 inch diameter in each respective phase. Work also included chemically sealing defective joints, CIP point repairs and service lateral inspections.

PROJECT: MISCELLANEOUS TRENCHLESS TYPE SEWER REPAIRS
CLIENT: JACKSON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY
SERVICES: Preparation of construction plans, specifications and perform Contract Administration services for Trenchless sewer system point repairs that included 21 CIP spot repairs, 8 manhole cementitious linings and 9 leaking joints chemically sealed (grouted).

PROJECT: MISCELLANEOUS EXCAVATION TYPE SEWER REPAIRS
CLIENT: JACKSON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY
SERVICES: Preparation of construction plans, specifications and perform Contract Administration services for sewer collection systems requiring excavation work to repair. Project includes 5 main line spot repairs, 25 manhole frame and cover replacements and 30 cleanout installations.

PROJECT: HAMPSHIRE HILLS PUMP STATION RENOVATION
CLIENT: JACKSON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY
SERVICES: Conversion of a troublesome wetwell mounted pump station to a submersible sewage pumping facility. Project included master planning sewer service area, pump design utilizing existing facilities and piping and preparation of construction plans, specifications and perform Contract Administration services. Work includes existing pump station demolition work, installation of bypass manhole, maintenance of sewage flows, relocation of existing control panels, lighting and telephone facilities, installation of duplex pump complete with rails, piping, valves, access hatch and appurtenances and installation of retaining wall.

PROJECT: BENNETTS MILLS ROAD CURED IN PLACE SEWER REPAIR WORK
CLIENT: JACKSON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY
SERVICES: Preparation of Request for Quotations (RFQ) for installation of cured in place liner to repair a damaged 116 linear feet 30-inch diameter PVC trunk sewer. Project included contract administrative services.

PROJECT: FEASIBILITY STUDY OF BROOKWOOD 3 DRAINAGE BASIN
CLIENT: JACKSON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY
SERVICE: Evaluation of gravity sewer replacement alternatives necessary to alleviate sewer overflows and backups on County Line Road, Hampshire Boulevard and Villanova Drive. Evaluation included extensions and/or relocation of several pump station force mains.

PROJECT: LATERAL CLEANOUT CONSTRUCTION PHASE I, II, AND III
CLIENT: JACKSON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY
SERVICES: Preparation of construction plans, specifications and perform Contract Administration services for lateral cleanout construction totaling approximately 150, 140 and 110 cleanouts for Phases I, II and III respectively.

PROJECT: INFILTRATION/INFLOW STUDY
CLIENT: BOROUGH OF ISLAND HEIGHTS
SERVICES: Investigation and evaluation of the Borough's sewer system. Repairs to sources of inflow resulted in substantial savings to the Borough.

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PROJECT: OCEAN AVENUE SEWER REHABILITATION
CLIENT: BOROUGH OF ISLAND HEIGHTS
SERVICES: Preparation of construction drawings and specifications to replace an antiquated troublesome sewer.

PROJECT: NORTHSIDE SEWER EXTENSION
CLIENT: BOROUGH OF ISLAND HEIGHTS
SERVICES: Prepare contract drawings and specifications for sanitary sewer extension including 166 linear feet of 12-inch diameter pipe and 258 linear feet of 8-inch diameter pipe within existing roadways. The firm also provided the construction management and inspection services for this project.

PROJECT: NORTHSIDE SEWER LATERAL RELOCATION
CLIENT: BOROUGH OF ISLAND HEIGHTS
SERVICES: Preparation of contract drawings and specifications and provide construction management and inspection services to relocate eleven sanitary sewer laterals.

PROJECT: RIVERSIDE TO CHESTNUT AVENUE TRUNK SEWER REHABILITATION
CLIENT: BOROUGH OF ISLAND HEIGHTS
SERVICES: Preparation of Plans and Specifications for testing and chemically sealing approximately 1,650 linear feet of sewer main pipe and provide the construction management and inspection services.

PROJECT: SEWAGE PUMP STATION RENOVATIONS
CLIENT: BOROUGH OF ISLAND HEIGHTS
SERVICES: Preparation of construction plans and specifications and provide construction management for the renovation of two (2) sewage pump stations. The work included installation of one (1) duplex, prefabricated grinder pump station within an existing wetwell and one (1) duplex grinder pump, rail assembly, and control panel replacement, and force main slip lining.

PROJECT: CLEAN AND TV INSPECTION OF SANITARY SEWER COLLECTION SYSTEM
CLIENT: BOROUGH OF SEASIDE HEIGHTS
SERVICES: Preparation of plans, specifications and perform inspection services for cleaning and televising 45,000 ft. of TCP ranging in size from 8 inches – 15 inches in diameter. TV inspection work will provide data for determining cost effective sewer system rehabilitation procedures necessary to remove infiltration. Groundwater infiltration accounts for over 50% of the Borough's sewage flow.

PROJECT: CURED-IN-PLACE SEWER MAIN LINING Phase SA1 through SA4
CLIENT: BOROUGH OF SEASIDE HEIGHTS
SERVICES: Preparation of construction drawings and specifications for installation of cured-in-place liners in approximately 7 miles of 8-inch, 10-inch, 12-inch and 15-inch diameter sewer mains. The firm also provided Construction Management Services for this USDA – Rural Development funded project.

PROJECT: GRANT AVENUE SANITARY SEWER REPLACEMENT
CLIENT: BOROUGH OF SEASIDE HEIGHTS
SERVICES: Preparation of construction drawings and specifications for replacement of approximately 775 linear feet of 12-inch and 15-inch diameter sanitary sewer main including manholes, house service connections and surface restoration. The firm also provided Construction Management Services.

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PROJECT: OCEANSIDE STREETS SEWER REPLACEMENT AND STREET RE-PAVING
CLIENT: BOROUGH OF LAVALLETTE
SERVICES: Preparation of construction plans and specifications and perform contract administration services for replacement of 3000 feet of sanitary sewer, 120 service laterals and 44 manhole covers and frames with water tight units and restore roadway with stabilized base course, milling and complete street overlays. Work also consists of select driveway, sidewalk and curb replacement.

PROJECT: SANITARY SEWER INFILTRATION/INFLOW REMOVAL
CLIENT: BOROUGH OF LAVALLETTE
SERVICES: Prepare contract plans, specifications and construction administration and inspection services for the systematic removal of infiltration/inflow in the Borough's sanitary sewer collection system. A list of infiltration/inflow removal contracts follows:

Phase I Contract: Pipe removal/replacement construction including approximately 1,000 linear feet of 8-inch pipe, 600 linear feet of 18-inch pipe, 600 linear feet of 21-inch pipe and 200 linear feet of 20-inch pipe.

Phase IA Contract: Pipe lining construction including approximately 10,000 linear feet of 8-inch pipe, 200 linear feet of 10-inch pipe, 300 linear feet of 12-inch pipe, 1,100 linear feet of 15-inch pipe and 1,400 linear feet of 18-inch pipe, manhole and service lateral grouting.

Phase IB Contract: Pipe removal/replacement construction including approximately 1,300 linear feet of 8-inch pipe and 300 linear feet of 12-inch pipe.

Phase II Contract: Pipe lining construction including approximately 22,000 linear feet of 8-inch pipe, 2,000 linear feet of 12-inch pipe, 3,000 linear feet of 15-inch pipe, manhole and service lateral grouting.

Service Lateral Cleanout Construction, Phases I and II Contracts: Lateral cleanout construction totaling approximately 800 and 1,000 cleanouts for Phase I and Phase II respectively.

Service Lateral Sealing, Contracts 1 and 2: Chemically sealing of approximately 400 laterals in each Contract.

Drainage Basins #4 and #5, Phase I and II Contracts: Test and sealing of approximately 10,200 linear feet of 8-inch pipe, 600 linear feet of 10-inch pipe and 1,650 linear feet of 12-inch pipe; Cured-in-Place sewer main lining of approximately 3,100 linear feet of 8-inch, 260 linear feet of 10-inch and 300 linear feet of 12-inch diameter pipe including grouting the connection of 74 laterals. Project also included 6 excavation type spot repairs, 20 CIPP lining (no dig) spot repairs.

Cured-in-Place (CIP) Service Lateral Repair, Phase I and II Contracts: Installation of CIP Liners through a 4|| diameter clean-out to seal the laterals transition from 4-inch diameter to 6-inch diameter pipe in approximately 90 laterals for Phase I and 130 laterals in Phase II.

Miscellaneous Cured-in-Place Pipe Repair Project: Installation of 13 CIP spot repairs to abandon inactive services; extend 19 service laterals currently abandoned in the roadway and construct cleanout at he curbline; CIP line 59 service laterals and 10 service lateral replacements.

Clean and TV Sanitary Sewer System: Clean and closed circuit television inspect approximately 1660 services and 69,000 linear feet of sanitary sewer ranging in diameter from 8-inch to 21- inch; repair pipe defects found during TV inspection by chemical grout and CIP repairs.

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PROJECT: SANITARY SEWER METER STATION IMPROVEMENTS
CLIENT: OCEAN COUNTY UTILITIES AUTHORITY
SERVICES: Preparation of construction plans and specifications for repair of 3 billing parshall flume meter stations with flumes ranging in size from 9 inches to 36 inches. Work includes flume repairs, installation of new and larger flumes, entrance channel extensions and reconstruction to eliminate turbulence that caused meter inaccuracies and construction of a flow diversion chamber.

PROJECT: DEWY MEADOWS VILLAGE PUMP STATION DESIGN - WARREN TOWNSHIP
CLIENT: GARDEN HOMES DEVELOPMENT
SERVICES: Preparation of construction drawings for a sewage pump station with emergency power necessary to service approximately 150,000 SF of commercial property.

PROJECT: REHABILITATION OF CROWN COURT PUMP STATION - WARREN TOWNSHIP
CLIENT: GARDEN HOMES DEVELOPMENT
SERVICES: Inspect, test, as-built and prepare construction plans to rehabilitate an existing 150 GPM pump station serving a housing development and commercial site.

PROJECT: BRANDON FARMS PUMP STATION UPGRADE
CLIENT: HOPEWELL TOWNSHIP, MERCER COUNTY, NJ
SERVICES: The Brandon Farms pump station was upgraded with 3 new pumps, new valves and piping, VFDs and new control panel. This station discharges via a force main.

PROJECT: PRINCETON FARMS PUMP STATION UPGRADE
CLIENT: HOPEWELL TOWNSHIP, MERCER COUNTY, NJ
SERVICES: The Princeton Farms pump station is currently (2018) under construction with bypass pumping in place while the construction occurs. There are no VFDs with this upgrade. A muffin monster grinder is also being replaced. This station discharges via a force main.

PROJECT: SOUTH POST ROAD PUMP STATION REHABILITATION
CLIENT: WEST WINDSOR TOWNSHIP, MERCER COUNTY, NJ
SERVICES: New wet well interior piping and pump bases for the three submersible pumps, new access hatch, underground fuel tank removal, new above ground fuel storage tank, new building, odor control storage & feed system, paved driveway and new security fence and gate. This station discharges via a force main.

PROJECT: CRANBURY BROOK PUMPING STATION
CLIENT: TOWNSHIP OF CRANBURY, MIDDLESEX COUNTY, NJ
SERVICES: This project replaced a wet well/dry well station with a submersible pump station. New construction included a new valve chamber and VFDs among other valves, etc.

PROJECT: SOUTH ARLINGTON PUMP STATION
CLIENT: MANVILLE BOROUGH, SOMERSET COUNTY, NJ
SERVICES: Replacement of two grinder pumps and related equipment which had been damaged when the pump station had been submerged for three days by floodwaters caused by Hurricane Irene in 2011. The work also included the replacement of the electrical system, controls and lighting related to the operation of the pump station which had damaged beyond repair. The muffin monster was repaired in 2016.

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PROJECT: SEWER REHABILITATION PILOT STUDIES
CLIENT: BOROUGH OF LAVALLETTE
SERVICES: Researched a cured-in-place (CIP) pipe lining system that will expand and make a transition between two different pipe diameters. Performed pilot studies that eventually lead to the preparation of technical specification and contract bids for lateral lining projects.

PROJECT: MATHIS PLAZA SEWER SERVICE CONSTRUCTION
CLIENT: BOROUGH OF SOUTH TOMS RIVER
SERVICES: Preparation of construction drawings and specifications and construction management for a 332-foot, 6-inch diameter sewer service to Mathis Plaza. The project consisted of a directional bore under State Highway Route 166 and connection to an existing trunk sewer.

PROJECT: SLIPLINING STORM OUTFALL PIPE - BROOKFOREST DRIVE
CLIENT: BOROUGH OF SOUTH TOMS RIVER
SERVICES: A severely deteriorated stormwater outfall pipe located through an encumbered easement was on the verge of collapse. To minimize disturbance to the local Residents and avoid severe property and environmental damage, the outfall pipe was sliplined with polyethylene pipe.

PROJECT: MISCELLANEOUS SANITARY SEWER PIPE REPLACEMENT PROJECT
CLIENT: BOROUGH OF SEASIDE HEIGHTS
SERVICES: Preparation of construction drawings and specifications for replacement of approximately 1175 linear feet of 8-inch and 15-inch diameter sanitary sewer main including manholes, house service connections and surface restoration. The firm also provided Construction Management Services for this USDA – Rural Development funded project.

PROJECT: LATERAL CLEANOUT CONSTRUCTION – PHASES I AND II
CLIENT: BOROUGH OF SEASIDE HEIGHTS
SERVICES: Preparation of construction drawings and specifications for construction of service lateral cleanouts totalling approximately 800 and 900 cleanout for Phase I and Phase II respectively. The firm also provided Construction Management Services for this USDA – Rural Development funded project.

PROJECT: SANITARY SEWER METER STATION IMPROVEMENTS
CLIENT: OCEAN COUNTY UTILITIES AUTHORITY
SERVICES: Preparation of construction plans and specifications for repair of 3 billing parshall flume meter stations with flumes ranging in size from 9 inches to 36 inches. Work includes flume repairs, installation of new and larger flumes, entrance channel extensions and reconstruction to eliminate turbulence that caused meter inaccuracies and construction of a flow diversion chamber.

PROJECT: HAMPSHIRE HILLS PUMP STATION RENOVATION
CLIENT: JACKSON TOWNSHIP MUNICIPAL UTILITIES AUTHORITY
SERVICES: Evaluation and assessment of the pump station for conversion of troublesome wetwell mounted pump station to a 425 gpm submersible sewage pumping facility. Project included master planning sewer service area, pump design utilizing existing facilities and piping and preparation of construction plans, specifications and perform Contract Administration services. Work includes existing pump station demolition work, installation of bypass manhole, maintenance of sewage flows, relocation of existing control panels, lighting and telephone facilities, installation of duplex pump complete with rails, piping, valves, access hatch and appurtenances and installation of retaining wall.

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PROJECT: ORTHO PUMP STATION (ROUTE 28)
CLIENT: BOROUGH OF RARITAN, SOMERSET COUNTY, NJ
SERVICES: This project is currently under construction (2018) and is converting a wet well/dry well system into a submersible pumping station. This pump station discharges via force main.

PROJECT: WESTWINDS PUMP STATION
CLIENT: MONTGOMERY TOWNSHIP, SOMERSET COUNTY, NJ
SERVICES: Design of a wastewater pumping station and force main approximately 4,100 feet in length to handle wastewater generated from a residential subdivision and existing public schools. The system included a submersible solids handling pumps mounted on slide rails in the pump wet well. All electrical controls and the standby generator were placed in a block wall constructed building. The system discharges to a gravity sanitary sewer system and is owned and operated by the Montgomery Township Public Works Department.

PROJECT: DUCK POND RUN PUMP STATION
CLIENT: WEST WINDSOR TOWNSHIP, MERCER COUNTY, NJ
SERVICES: This project replaced one pump and added a backup pump to the system. Several valves were inoperable and were replaced including the main bypass chamber force main valving. This project was completed in early 2018.

PROJECT: UPPER ELEMENTARY SCHOOL PUMP STATION
CLIENT: UPPER TOWNSHIP, CAPE MAY COUNTY, NJ
SERVICES: The existing pumps and pump controls were replaced and upgraded. The engineer also evaluated the concrete in the wet well. Part of the project directed the contractor to clean and repair any portions of the concrete that had corroded. After the concrete was repaired, an epoxy coating was applied to the entire surface of the concrete structure to protect the concrete from exposure to H2S.

REFERENCES

Below is a representative list of municipal sewer and water entities for which Van Cleef provides consulting engineering services.

Hardyston Township Municipal Utilities Authority
Carrine Piccolo-Kaufer, Township Manager &
MUA Administrator
P: (973) 823-7020 ext. 9440
F: (973) 823-7021
Email: cpiccolo@hardyston.com

Borough of Allendale
Liz Homan, Borough Council President
Water, Sewer & Public Utilities Committee Chair
(201) 707-1665
lizhoman@Allendalenj.gov

Richland Township Water Authority
Contact: Timothy Arnold, Executive Director
1328 California Rd, Suite D
Quakertown, PA 18951
Telephone: 215-536-4733

Jackson Township Municipal Utilities Authority
Contact: Executive Director
135 Manhattan Street
Jackson, NJ 08527
Telephone: 732-928-2222

Borough of Island Heights
Contact: Sean Asay, Borough Clerk
P.O. Box 797 | Wanamaker Municipal Complex
Island Heights, NJ 08732
Telephone: 732-270-6415

Lakewood Township Municipal Utilities Authority
Contact: Justin Flancbaum, Executive Director
390 New Hampshire Avenue
Lakewood, NJ 08701
Telephone: 732-363-4422

Ocean County Utilities Authority
Contact: Keith Marcoon, Executive Director
501 Hickory Lane
Bayville, NJ 08721
Telephone: 732-269-4500

SECTION 3. STAFF QUALIFICATIONS

STAFF ORGANIZATION CHART

Morris County Municipal Utilities Authority
Morris County, NJ

Project Principal
Mark A. Bean, PE, CGP, LEED AP, FIGP
Vice President, Water/Wastewater

Construction Inspection

Timothy O'Donnell
Francesco Iemma
Stephen McCutcheon

Surveying

Joseph Canada, PLS
Jeffrey McCall, PLS

Geotechnical

William Mercurio, PE

Water/Wastewater

John Berens, PE
Michael Vreeland, PE, CME
Mark Bahnick, PE
Nicholas Brown, PE
Tyler Evans, PE
George Papamakariou, PE
Jeremy Edinger, PE, CME

Asset Management, Planning, & Geographic Information Systems

Irene Battaglia, PE
Mason Herrman, GISP

Design/CADD

Charles Applegate
Julianne Kalksma
Thomas Petzold

Operations

Christopher Jepson, PE, LO

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SUMMARY OF KEY STAFF

Van Cleef is pleased to provide the Authority with an experienced team of highly qualified individuals to perform all professional services required. Below is a brief description of the key staff to be assigned within the firm. Detailed resumes of each named individual are also included to summarize the qualifications and experience the firm will provide.

Mark A. Bean, PE, CGP, LEED AP, FIGP - Mr. Bean will serve as Project Principal and manage all services needed in a cost effective and timely manner. Mr. Bean has more than 3 decades of diverse facility-intensive planning, design, and construction management experience. He has extensive expertise in wastewater treatment and in the design and construction of wastewater infrastructure. He brings a robust skill set that encompasses many complementary disciplines, including site engineering, environmental compliance, stormwater, water treatment and distribution, and the complete delivery of ground-up facilities. He has a demonstrated track record of successful delivery of technically challenging projects in wastewater infrastructure; project, program, and construction management; water, stormwater, and waste treatment; and site and facility environmental characterization, remediation, and preparation.

Mr. Bean will be supported by the following key staff:

John Berens, PE - Mr. Berens has more than 43 years of experience in the engineering profession, specializing in the water and wastewater field. Mr. Berens has extensive experience in all project phases from system evaluation and studies through design and construction for projects, including inflow/infiltration (I/I) and Sewer System Evaluation Survey (SSES) studies and reports; water system analyses; water supply, treatment, storage and distribution system design and rehabilitation; wastewater collection, treatment and pump station design and rehabilitation and various related projects.

Michael G. Vreeland, PE, PP, CME- Mr. Vreeland has provided engineering consulting and design services to clients in both the public and private sectors for over 25 years. Mr. Vreeland's diversified experience includes wastewater management, sewer and water system design, dam engineering, storm water management, site development and redevelopment, review of land use applications, roadway design and environmental engineering. Mr. Vreeland currently serves as the Municipal and/or Board Engineer in the Township of Stillwater, the Boroughs of Allendale, Ogdensburg, Franklin, and Sussex, and the Townships of Mount Olive, Hardyston, and Lafayette.

Mark A. Bahnick, PE – Mr. Bahnick is a Principal Engineer of the Firm with over 30 years of experience in the planning, design and construction of numerous public and private projects throughout Pennsylvania and New Jersey. Mr Bahnick is responsible for client relations and overall management of all projects. His responsibilities include project planning and scheduling, identifying project constraints, financial analysis and assisting clients in obtaining required approvals. He also manages design teams involved in developing initial concepts, obtaining regulatory approvals and preparing detailed plans and specifications Mr. Bahnick is responsible for construction management services including, shop drawing approval, and resolution of construction conflicts Mr. Bahnick's design experience includes overall project management from initiation to completion.

Nicholas Brown, PE, CME – Mr. Brown has provided engineering services for a wide variety of water, wastewater, and municipal engineering projects including design and preparation of plans, specifications, cost estimates, hydraulic modelling, and permitting. He has provided geotechnical services, construction observation, and construction phase engineering services for numerous wastewater treatment plants, wastewater pump stations, process equipment, sanitary force mains, sanitary gravity sewers, water mains, and water supply wells, as well as state, county, and municipal roadway construction projects.

Tyler B. Evans, PE – Mr. Evans is a Professional Environmental Engineer licensed in the Commonwealth of Pennsylvania, the State of New Jersey and the State of Connecticut. Mr. Evans has over eight (8) years of experience in capital planning, design, review, and construction management of public and private water and wastewater projects.

SUMMARY OF KEY STAFF

Christopher B. Jepson, PE, LO – Mr. Jepson has more than 40 years of experience in municipal wastewater/water operations. His knowledge of biological and chemical processes and alternatives in the wastewater field is augmented by his practical experience operating wastewater/water treatment plants and their laboratories. Mr. Jepson has experience in design and operations criteria for collection systems; treatment plants; water distribution systems; wells; and surface water treatment facilities.

Jeremy J. Edinger, PE, CME—Mr. Edinger's responsibilities have been focused in the area of municipal engineering, infrastructure, and utility engineering. His experience spans the complete lifecycle of projects, from field reconnaissance to assisting with layout and design, to the preparation of construction plans using computer-aided design software and the preparation of contract specifications and permit applications necessary at local, county and state approvals, to construction administration and construction inspection. He has assisted with the planning and design of water and wastewater treatment systems, rehabilitation of water supply wells, gravity sewer mains, municipal roadway construction and resurfacing projects, coastal engineering, recreational improvements, and various special projects.

Joseph Canada, PLS - Mr. Canada has over 20 years of diverse Land Surveying experience for a variety of private and municipal projects. He is a graduate of the New Jersey Institute of Technology with a Bachelor of Science degree in Land Surveying. His Surveying experience has enabled him to become an expert in property line resolution, record research and construction services. He also has experience using drone technology in acquiring field data to use for various design and right of way projects.

George Papamakariou II, PE—Mr. Papamakariou primarily works on Municipal Engineering and Water/Wastewater Engineering projects. His experience includes construction plan design & specification preparation, AutoCad drafting, engineering cost estimates, engineering inspection, shop drawing reviews, and construction project management. Projects he has been involved include roadway reconstruction & drainage, pump station design, sanitary sewer rehabilitation & design, water main design/relocation, well redevelopment, beach/waterfront improvements, NJDOT/CAFRA Applications, and Land Development.

Julianne Kalksma, EIT – Julianne Kalksma serves as a Project Designer, and has acquired experience in municipal engineering, water/wastewater engineering, and the planning board review process. Her responsibilities have included preparing grant/loan applications, drafting, reviewing plot plan and variance plan applications, preparing permit plans, and bid review. Prior to her position at Van Cleef, Julianne was a research assistant for the University of Hawaii monitoring beach erosion, and previously had internship experience in a variety of engineering fields.

Timothy B. O'Donnell - Mr. O'Donnell has 20 years experience in municipal engineering and has served as an inspector on numerous projects. Mr. O'Donnell is experienced in "no dig" sewer rehabilitation work, pipe excavation installation work for water, sewer and storm sewers, pump station upgrades, and road reconstruction work.

Francesco Iemma – Mr. Iemma serves as a Senior Construction Observer who has seventeen years of experience in outside plant work, where he has designed components for various fiber into the premises sites, PV installations across the northeast, telecommunications projects and transportation assignments. Along with the design work that these projects have involved, Mr Iemma has also performed traffic studies, site surveys of existing site conditions soil borings, site inspections, foundation observations, as built site walks and basic operations for water management work Mr Iemma has also coordinated with various Counties throughout New Jersey, as well as numerous utility companies regarding application submittals and approvals.

Stephen McCutcheon – Mr. McCutcheon has over 40 years of consistent, progressive constructive management and inspection experience within both private and municipal roadway/utility projects as well as excavation and historical restoration/preservation. He is an NJSAT Certified Asphalt Paving Construction Technologist, and a member of the American Concrete Institute, New Jersey Chapter. Mr. McCutcheon has exceptional qualifications in strategic planning with comprehensive knowledge of management, strong organizational attributes, and project execution.

STAFF RESUMES

Irene K. Battaglia – As a Senior Engineering Analyst with the firm, Ms. Battaglia provides municipal engineering design, analysis, regulatory compliance, and support services. She holds a B.S. in Civil Engineering from Lehigh University and an M.S. in Civil Engineering from the University of Wisconsin-Madison.

Mason Herrman, GISP – Mr. Herrman has provided GIS support for 78 municipalities as well as a multitude of private clients throughout New Jersey and Pennsylvania. His expertise in GIS has been a keystone in Van Cleef's Professional Planning department; providing spatial analysis, mapping, and statistics for every municipality Van Cleef offers planning services to. These projects include, Master Plan Reexamination Reports, Hazard Vulnerability Plans, Area in Need of Redevelopment Plans, Highlands Assessments, etc. Mason and his team also received American Planning Association (NJ) 2020 Outstanding Plan Award for their Circulation Plan – Bike and Pedestrian Safety.

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REPRESENTATIVE PROJECTS

Wastewater Infrastructure

Primary Clarifier #4 Replacement – Joint Meeting of Essex and Union Counties, Union County, NJ: Replacement in-kind of a large traveling bridge sludge collector for a 75'x280' primary settling tank. Project included an initial evaluation of reciprocating sludge collectors as a competing alternative technology prior to moving forward with in-kind replacement. Additional tank upgrades included baffle wall replacement, concrete repairs, gate and weir replacements, as well as chain-and-flight sludge cross-collector replacements.

Edgewater WPCF Force Main Design – Bergen County Utilities Authority, Bergen County, NJ: Design of a new 16,852 linear foot (3.2-mile) conveyance system directing all flow from BCUA's Edgewater WPCF back into their 72" Overpeck Relief Sewer for treatment at their main facility in Little Ferry. The system will convey almost 9.5 MGD as an average daily flow, with peak flows of 28 + MGD, and entails over 2 miles of twin 24" HDPE force mains and a mile of 54" gravity sewer. The project incorporates over 2,600 lf of horizontal directional drilling as well deep, jack-and-bore for installation. This is a complex and highly visible project that is also critical to BCUA in meeting its ACO requirements.

LICENSES/CERTIFICATIONS

Licensed Professional Engineer – New Jersey

LEED Accredited (BD+C)

Certified Green Professional

Fellow, Institute of Green Professionals

EDUCATION

M.S. Civil Engineering, Rutgers University, 1992

B.S. Civil Engineering, Rutgers University, 1991

PROFESSIONAL AFFILIATIONS

Water Environment Federation, Member

New Jersey Water Environment Association, Member

Wastewater Treatment Plant Evaluation and Capital Plan – Borough of Florham Park, Morris County, NJ: Preparation of a wastewater treatment plant upgrade evaluation, optimization and capital plan to account for future flow increases in the Borough.

System-Wide Annual Inspections & Recommendations – Stony Brook Regional Sewerage Authority, Princeton, Mercer County, NJ: Performed annual inspections the Authority's major facilities, inclusive of the River Road WWTP, Hopewell WWTP, Pennington WWTP, all pumping stations, and all meter chambers. A comprehensive annual report was created and used to track system conditions and needs while also tracking completion of previously-identified items. The report was utilized for both insurance and capital planning purposes by the SBRSA.

Evaluation of Dewatered Sludge Conveying Alternatives and Belt Filter Press and Building Upgrades – Mt. Laurel Township Municipal Utilities Authority, Mt. Laurel Township, Burlington County, NJ: Investigated various upgrade options within the sludge dewatering building at the Mount Laurel Township Municipal Utilities Authority (MLTMUA) Hartford Road Water Pollution Control Facility and provided a summary report with budget cost estimates to assist the MLTMUA with capital planning efforts. The evaluation presented practical solutions to capacity issues, operational redundancy, and current operations and maintenance concerns regarding the belt filter presses, polymer system, washwater system, sludge conveyance and distribution systems, cold weather operations, dewatering downtime, and several ancillary systems. Ancillary systems and items assessed in the report included interior lighting, compressed air, coatings, distribution piping, main electrical gear and distribution, and HVAC. Maintenance, ease of operation, compatibility in the existing building footprint, cost (both initial capital and operating), and life-cycle were all considered. The realities of construction logistics, downtime, and temporary off-site hauling and disposal were similarly factored.

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Interlaken Pump Station Reconstruction – Township of Ocean Sewerage Authority, Borough of Interlaken, Monmouth County, NJ: Lead construction-phase engineer for the replacement of an aging pump station that was incapable of conveying both current coastal storm-induced flows and anticipated future flows. Purposeful construction sequencing almost completely mitigated the need for and risk associated with bypass pumping. A new precast wetwell and valve chamber were installed adjacent to the existing, operating station. Three (3) new 3,350 gpm (4.8 MGD each) pumps were installed with influent comminution, and a temporary electrical and controls structure was erected to bring the new system online. The existing station building was demolished, existing subgrade structures were filled in, and a new pump station building was erected on top of the existing foundation. A new generator and odor-control chemical feed system were installed and all new electrical distribution, VFD's, SCADA, and miscellaneous controls were migrated into the new facility with no disruption to service.

ELSA WWTP Upgrade, Ewing Lawrence Sewerage Authority – Lawrence Township, Mercer County, NJ: Conducted the facility assessment that led to the design and construction of the Ewing-Lawrence Sewerage Authority's $24+ million wastewater treatment plant upgrade project, which included new preliminary treatment facilities, a new UV disinfection system, new effluent pumping system, new chemical storage and distribution systems, and replacement of numerous mechanical and electrical systems throughout the 16 MGD WWTP. Provided actual design, expert support, and coordinating oversight during the design efforts. Acted as resident project representative on site during construction.

RVRSA Final Clarifiers Replacement Project – Rockaway Valley Regional Sewerage Authority, Town of Boonton, Morris County, NJ: Resident project representative and expert design support for the Rockaway Valley Regional Sewerage Authority's $5.6 million Final Clarifiers Repair Project involving the conversion of 4 existing 100' x 100' square clarifiers to new 100'-dia. state-of-the-art circular clarifiers, as well as the appurtenant replacement of a critical motor control center and major electrical components.

Monroe Street Pumping Station & Morris Ave. Gravity Sewer – Rockaway Valley Regional Sewerage Authority, Town of Boonton, Morris County, NJ: Resident project representative for the Rockaway Valley Regional Sewerage Authority's $4.8 million Monroe Street Pumping Station & Morris Avenue Gravity Sewer Project, which entailed the ground-up construction of a new 3 MGD pumping station, installation of an approximately ½-mile long force main, installation of a new, small grinder pumping station, installation of a new, emergency bypass force main, installation of new gravity sewers, and various related and appurtenant systems.

Storm Control Treatment Facility, Somerset Raritan Valley Sewerage Authority, Bridgewater Township, Somerset County, NJ: Design and construction of a 14 MGD auxiliary treatment facility with influent overflow structures to mitigate SSO's/CSO's in SRVSA's system and relieve wet weather stresses from SRVRSA's main treatment facility. The new facility included influent screening, clarification, filtration, and ultraviolet disinfection.

River Road WWTP Headworks Facility, Stony Brook Regional Sewerage Authority – Princeton, Mercer County, NJ: Lead coordinating engineer for design and for construction phase engineering services for the Stony Brook Regional Sewerage Authority's $10 million Headworks Facility project. This project consisted of the addition of influent fine screening and replacement of the existing grit removal system for a peak flow of 60 mgd, and implementation of enhanced odor control.

Boonton Trunk Line Emergency Repairs, Rockaway Valley Regional Sewerage Authority, Town of Boonton, Morris County, NJ: Performed every aspect of site/forensic investigation, design/engineering, and on-site construction services for the emergency repair of a collapsed 54"-dia. sewerage interceptor, which entailed installation of a roughly 4 MGD bypass pumping system, deep excavation to expose to effect repairs, and installation of 750 lf of cured-in-place plastic liner. Successful remedy was affected in only three months, from the discovery of the pipe collapse, to field engineering of all implemented solutions, to completion of repairs and placing the interceptor back in service.

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River Road WWTP Nitrification Aerator & Chem Feed Systems – Stony Brook Regional Sewerage Authority, Princeton, Mercer County, NJ: Lead engineer and overall coordinating engineer for the design and construction of Stony Brook Regional Sewerage Authority's Nitrification Aerator and Chemical Feed System Replacement Project that entailed replacement of large nitrification aerators/mixers as well as the replacement of multiple chemical storage and feed/distribution systems.

Jersey City Trunkline Rehabilitation Project, Rockaway Valley Regional Sewerage Authority, Town of Boonton, Morris County, NJ: Resident project representative for the Rockaway Valley Regional Sewerage Authority's Jersey City Trunkline Rehabilitation Project, which included cleaning, root removal, various internal repairs, 250 lf of CIPP lining, epoxy coating of manhole structures, and laser profiling of over 4,000 lf of a 39" hand-constructed clay tile interceptor dating back to the late 1930's.

Skillman Village Membrane Bioreactor (MBR) Wastewater Treatment Plant, Montgomery Township, Somerset County, NJ: Lead designer and overall coordinating engineer for the design and construction management of a 500,000 gpd state-of-the-art Membrane Bioreactor (MBR) facility. Prepared the Alternatives Evaluation Technical Report, Facility Plan, and other similar documentation to navigate the project through the funding process for the New Jersey Environmental Infrastructure.

Water Pollution Control Plant Improvements – Township of Berkeley Heights, Union County, NJ: Resident project representative for the successful implementation of the Township of Berkeley Heights $4.7 million Water Pollution Control Plant Improvements project. This project included: structural and process modifications to existing aeration basins to afford denitrification/anoxic treatment; installation of low-hp hyperbolic mixers; extensive controls and electrical modifications; digester cover replacement and digester process piping modifications; traveling bridge sand filter rehabilitation; and various architectural repairs (brickwork, new roofing, etc.).

Disc Filter & UV Disinfection System, Logan Township Municipal Utilities Authority, Logan Township, Gloucester County, NJ: Resident project representative for the successful implementation of the Logan Township MUA's $1.8 million Disc Filter and UV Disinfection project. This project consisted of the addition of effluent filtration to LTMUA's existing 2 mgd WWTP and replacement of the existing UV disinfection system with a new and more efficient system sized for future flows.

Southern Water Pollution Control Facility Gravity Belt Thickeners, Ocean County Utilities Authority Stafford Township, Ocean County, NJ: Conversion of plant process for thickening of waste activated sludge. Fully designed and executed/delivered this on-line process conversion which entailed demolition of two process trains and installation of two new process trains in an existing operating facility. Provided complete process evaluation and design, mechanical, structural, and HVAC design, oversight of electrical/instrumentation design, assembly of the complete bid package, and full construction administrative responsibilities.

Jackson-Villanova Pump Station Interim Upgrade, Ocean County Utilities Authority, Jackson Township, Ocean County, NJ: Acted as process and mechanical design engineer and as coordinating project engineer for the interim upgrade of a 6 MGD pumping station. The project entailed replacement of existing centrifugal sewage pumps with new, larger pumps with variable frequency drive systems. The project design also incorporated replacement of facility electrical feeders, extensive electrical modifications, HVAC improvements, detailed dynamic structural analysis, and instrumentation upgrades. Strict attention to construction coordination and sequencing was required as facility operation was to remain uninterrupted throughout the duration of the construction.

Woodcliff CSO Rehabilitation Study, North Bergen, Hudson County, NJ: Coordinated the inspection of a critical CSO outfall and authored a comprehensive report submitted to NJDEP delineating a plan for rehabilitation in compliance with ACO guidelines between North Bergen and NJDEP. In addition to this work, another phase of the project entailed statistical analysis and modeling of flow conditions throughout the North Bergen combined sewer system.

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Northern Water Pollution Control Facility Expansion Feasibility Study, Ocean County Utilities Authority Township of Brick, Ocean County, NJ: Oversight and technical review of engineering consultant efforts for the expansion of the Authority's Northern Water Pollution Control Facility. Provided technical review of mechanical designs as well as process changes and upgrades for expanding the facility from its then current permitted flow of 28 MGD to flows of 32, 36, and 44 MGD, including advanced wastewater treatment.

Cromakill Creek/Lower Hackensack River Stream Model Study, North Bergen, Hudson County, NJ: Coordinated sampling criteria and laboratory analyses for a stream model study of North Bergen's Central STP primary receiving waters and participated in a three-phase series of 24-hour sampling events. Performed preliminary water quality predictions precedent to use in the MIT Dynamic Network Model (DNM) and authored a study report required for compliance with ACO guidelines between North Bergen and NJDEP.

Other Typical Projects

- Annual inspections and facility assessments
- Odor control assessments and system design
- Large screening equipment and headworks replacements
- Comminution and grinding equipment replacements
- Conveying equipment replacements
- New and replacement sodium hypochlorite, Bioxide, and other chemical feed systems
- Large valve replacements
- Large motor replacements
- Complete pumping station rehabilitation and upgrades
- Wetwell and concrete rehabilitation
- New pipelines and pipeline replacements
- Pipeline lining and other forms of rehabilitation
- New and replacement process piping systems
- New and replacement gas piping systems
- Digester repairs
- New pumping stations of varying sizes

Representative Aligned Projects (Water, Stormwater, & Waste Treatment)

On-Site Advanced Wastewater Treatment Facilities – Multiple Warehouse Development Sites, Monmouth & Burlington Counties, NJ: Performed design, full permitting (NJPDES DGW and TWA), and construction assistance for the implementation of on-site advanced wastewater treatment facilities ranging in size from 11,000 to 20,000 gpd for private development clients. Submerged, attached-growth bioreactors (biologically active filters) were utilized for general treatment as well as biological nitrogen removal to meet stringent discharge-to-groundwater requirements. Fully coordinated hydrogeological investigations and studies to effect proper design of both gravity disposal fields as well as pressurized drip irrigation dispersal fields.

MainStreet NB – Township of North Brunswick, Middlesex County, NJ: In addition to inspecting, certifying, and permitting an existing wastewater pumping, designed and fully computer-modeled the water distribution system for one of the largest site adaptive re-use projects in the State comprising a transit-oriented multiple use development that includes a train station, multiple big-box retail stores, hundreds of thousands of square feet of commercial space, and over 1,800 residential units. Worked with NJDEP and attained a first-ever, bifurcated approval for the water system that accounts for the long-term timing of this project.

Town of Maple Shade Water Distribution System Modeling, Town of Maple Shade, Burlington County, NJ: Performed a detailed analysis and computer model of flow conditions and pressures within the water distribution system for the Town of Maple Shade, NJ. This project entailed complete mapping of the system via both physical inspection and the use of ground-penetrating radar, and also entailed extensive fire flow testing.

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Town of Maple Shade Water Distribution System Modeling, Town of Maple Shade, Burlington County, NJ: Performed a detailed analysis and computer model of flow conditions and pressures within the water distribution system for the Town of Maple Shade, NJ. This project entailed complete mapping of the system via both physical inspection and the use of ground-penetrating radar, and also entailed extensive fire flow testing.

Dead Tree Run Regional Stormwater Detention Basin, County of Somerset, NJ: Performed all aspects of computer modeling and design of a regional stormwater detention basin. Project entailed survey setup and topo reductions, detailed hydrologic and hydraulic modeling, use of HEC-1, HEC-2, and third-party analysis software, and also included roadway improvements at the location of an existing culvert to effectuate construction of the basin. Authored and provided technical support for a Dam Permit submitted to NJDEP.

Browning Ferris Industries Morris County Facilities, Morris County, NJ: Designed a three-stage stormwater detention and treatment systems providing for collection of all site stormwater, treatment of a portion of the site runoff via coalescing media oil/water separators and extended aerated detention of all stormwater in a permanent wet pond environment. Required extensive computer modeling.

Pilot Wastewater UV/Peroxidation Plant, Sandoz Pharmaceutical Corporation, Township of East Hanover, Morris County, NJ: Assisted in the design, staffing, start-up and prove-out of a pilot facility for the treatment of variable waste streams from the client's manufacturing and research facilities on site.

Groundwater Treatment Facility, U.S. Army Corps of Engineers, Picatinny Arsenal, Town of Dover, Morris County, NJ: Assisted in the staffing and start-up of a groundwater treatment facility for the removal of VOC's from groundwater. The facility provided chemical addition, flocculation/clarification, multimedia filtration, packed-tower air stripping, and GAC adsorption.

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Vice President of Water/Wastewater

Technical Highlight – Building Systems

Mr. Bean also brings expertise in building and mechanical systems to his clients. Drawing from his extensive experience, inclusive of both large scale and niche development as well as in the design and administration of high-profile capital projects at one of the largest public university institutions in the country, Mr. Bean works to ensure that his clients' building systems always represent the optimal balance of function, efficacy, efficiency, sustainability, and life-cycle cost. A sampling of projects within the water/wastewater sector where his expertise has been brought to bear include:

- **Sussex County Municipal Utilities Authority – Paulinskill Wastewater Treatment Plant:**
  New Operations and Control Building - full HVAC and plumbing design (inclusive of potable well water supply)
- **Stony Brook Regional Sewerage Authority – River Road Wastewater Treatment Plant:**
  - New headworks facility – full HVAC design
  - New chemical feed facilities in existing Operations Building – fire protection systems extension and modifications
  - Main generator replacement in existing Generator Building – full HVAC design of supplemental ventilation systems
  - Plant laboratory in existing Operations Building – HVAC analysis and technical recommendations for system replacement
- **Stony Brook Regional Sewerage Authority – Pumping Stations:**
  - South Brunswick Pumping Station generator replacement – full HVAC design of supplemental ventilation systems
  - Millstone Pumping Station generator replacement – full HVAC design of supplemental ventilation systems
- **Frenchtown Borough – Wastewater Treatment Plant & DPW Garage Complex:**
  New WWTP Operations Building and new DPW garage and offices – full plumbing design (inclusive of potable well water supply)
- **Hamilton Township Department of Water Pollution Control – Wastewater Treatment Plant:**
  Control Building B-4 – HVAC analysis and technical recommendations for system replacement

Sampling of utilities and municipalities serviced: Joint Meeting of Essex and Union Counties, Bergen County Utilities Authority, Stony Brook Regional Sewerage Authority, Rockaway Valley Regional Sewerage Authority, Ewing Lawrence Sewerage Authority, Philadelphia Water Department, Township of Middletown Sewerage Authority, Long Branch Sewerage Authority, Township of Ocean Sewerage Authority, Borough of Florham Park, Montgomery Township, Ocean County Utilities Authority, Passaic Valley Sewerage Commissioners, Berkeley Heights Township, Hamilton Township, Logan Township Municipal Utilities Authority, Town of North Bergen, Town of West New York (NJ), Camden County Municipal Utilities Authority, Monroe Township Municipal Utilities Authority, Western Monmouth Utilities Authority, Somerset-Raritan Valley Sewerage Authority, Manasquan Regional Sewerage Authority, Middlesex Water Company, & Jackson Township Municipal Utilities Authority.

Van Cleef
ENGINEERING WITH FOCUS

John Berens, P.E.
Senior Professional Engineer

Mr. Berens has more than 49 years of experience in the engineering profession, specializing in the water and wastewater field. Mr. Berens has extensive experience in all project phases from system evaluation and studies through design and construction for projects, including inflow/infiltration (I/I) and Sewer System Evaluation Survey (SSES) studies and reports; water system analyses; water supply, treatment, storage and distribution system design and rehabilitation; wastewater collection, treatment and pump station design and rehabilitation and various related projects.

LICENSES/CERTIFICATIONS
Licensed Professional Engineer
NJ #24GE03195300

EDUCATION
B.S. Civil Engineering, West Virginia University

PROFESSIONAL ASSOCIATIONS
Water Environment Federation

American Water Works Association

WASTEWATER PROJECTS EXPERIENCE
Some of the projects Mr. Berens has been involved with relating to wastewater facility engineering include:

OCEAN COUNTY UTILITIES AUTHORITY – JACKSON TOWNSHIP METERING STATION IMPROVEMENTS - Project manager responsible for preparation of construction plans and specifications for a 2,000 gpm pump station and metering chamber. OCUA determined metering inaccuracies were occurring during low flow periods as the differential meters were too large to accurately record Jackson's flow. The design required to correct the problem consists of diverting flow from a 36-inch drainage interceptor by way of a division chamber into a variable frequency pump station. The pump station conveys sewage through the meter chamber and returns it back into OCUA's interceptor. OCUA metering problems are corrected utilizing the smaller pump station flow meter.

LONG BRANCH SEWERAGE AUTHORITY – Project Engineer/Manager responsible for performance of the USEPA I/I and SSES studies on the City's sewage collection system; site plan reviews; design of 75,000-foot sewer rehabilitation project, including pump station; installation of VFD's on existing raw sewage pumps and aeration tank blower motors which are operated off D.O. probes; final settling tank sludge collection system replacement; inspection services for the treatment plant's thickener overflow piping , sludge collection system replacement and grit removal facility, and preparation of the Authority's Capacity Assurance Study and Redevelopment Plan for NJDEP.

JACKSON TOWNSHIP MUA – SEWER SYSTEM EVALUATIONS – Project Manager responsible for the study, evaluation and rehabilitation of over 390,000 linear feet of the Authority's sewage collection system in the performance of seven (7) projects (Phase I thru 6B). Work consists of preparation of plans and specifications to contract bid cleaning, closed circuit TV inspection and repair work, provide contract administration services, evaluation of collected data with respect to needed repairs, coordinate repair work and preparation of detailed report and presentation to JTMUA.

JACKSON TOWNSHIP MUA - HAMPSHIRE HILLS PUMP STATION RENOVATION – Project Manager responsible for the conversion of a troublesome wetwell mounted pump station to a 425 gpm submersible sewage pumping facility. Project included master planning sewer service area, pump design utilizing existing facilities and piping and preparation of construction plans, specifications and perform Contract Administration services. Work includes existing pump stationdemolition work, installation of bypass manhole, maintenance of sewage flows, relocation of\ existing control panels, lighting and telephone facilities, installation of duplex pump complete with rails, piping, valves, access hatch and appurtenances and installation of retaining wall.

BOROUGH OF SEASIDE HEIGHTS – HOT WATER CURED IN PLACE SEWER MAIN LINING – Project Manager responsible for preparation of construction drawings, specifications and construction management services for four (4) cured in place liner projects totaling approximately 45,500 linear feet of 8-inch, 10-inch, 12-inch and 15-inch diameter sewer mains.

Van Cleef
ENGINEERING WITH FOCUS

BOROUGH OF SEASIDE HEIGHTS – SANITARY MANHOLE REHABILITATION – Project Manager responsible for preparation of construction drawings, specifications and construction management services for two (2) manhole reconstruction projects consisting of approximately 180 manholes.

U.S. WATER, LLC – Provide technical assistance for evaluation and upgrade of existing sewage treatment plant and pump station for U.S. WATER to utilize in bidding for Operation and Privatization contracts. Work included evaluation of existing facilities, with respect to reducing O&M expenditures by identifying problems/costly areas of operation and present cost efficient solutions. Projects included West New York Wastewater Treatment Plant and Sewerage System, New Brunswick Sewerage System, Phillipsburg Wastewater Treatment Plant, Bridgeport Wastewater Treatment Plant in Connecticut, Easton Wastewater Treatment Plant in Pennsylvania, Bernards Township Regional Pumping Facilities and Glassboro/Peapack Sewage System.

TOWNSHIP OF MIDDLETOWN SEWERAGE AUTHORITY – Project Engineer on the treatment plant expansion project. Responsibilities included the design of the raw sewage pump station, gravity thickener, grit removal systems, raw sludge pump station, return sludge pump station, final settling tanks chlorination facilities and process water system.

WARREN COUNTY – SEWAGE TREATMENT PLANT UPGRADE – Project Manager responsible for the design and construction of a sanitary sewerage system to service the new Warren County Community College. The project consisted of construction of pump stations, collection systems and an upgrade of an existing sewage treatment plant and pump station. Treatment plant upgrades included flow equalization, aeration systems, sludge handling, chlorination, dechlorination and upgrading electrical and HVAC systems in confined areas to meet appropriate CLASS I, DIV. I, GROUP D requirements.

CHERRY CREEK PUMP STATION – OLD BRIDGE MUA – Project Manager responsible for the design and construction of a 1 million gallon per day variable speed sanitary sewage pump station that conveys its sewage into a common forcemain shared by 2 other pump stations. Design also included a regional analysis of hydrogen sulfide problems and provisions to eliminate the problem cost effectively.

TOWNSHIP OF HOLMDEL – Project Manager responsible for design of the Hills of Holmdel and Estates of Holmdel sanitary sewers. The design consisted of a pump station, generator facility and 22,000-lineal feet of sewers on steep slopes and in environmental sensitive areas.

YARDLEY MANOR PUMP STATION – OLD BRIDGE MUA – Project Manager responsible for design of a 1/2 million per day regional sanitary sewage pump station and forcemain design that conveys sewage into a common forcemain shared by two (2) other pump stations, including hydrogen sulfide analysis to avoid potential safety hazards and facility damage. Sewage Collection System studies and reports, as well as design and rehabilitation of sewer systems, treatment, pump station and forcemain facilities have also been provided by Mr. Berens to the Township of Clark (sewer and manhole repair and linings), Borough of Red Bank, Borough of Sea Bright, Borough of Caldwell, Township of Edison, Township of Woodbridge, Township of Alamuchy, Township of Wall, Borough of Jamesburg and numerous other public and private clients.

Van Cleef
ENGINEERING WITH FOCUS

John Berens, P.E.
Senior Professional Engineer

POTABLE WATER PROJECTS

Mr. Berens has been in responsible charge as Senior Project Engineer and/or Project Manager on hundreds of water system facility projects, for private and public clients. Projects, from analysis through planning hydraulic computer simulation, design and construction administration and observation, have included supply wells, treatment plants, storage tanks and transmission and distribution piping. A sampling of representative projects includes the following:

JACKSON TOWNSHIP MUA – NJDEP GROUND WATER RULE COMPLIANCE – Project Manager responsible for evaluation and upgrade of the Authority's numerous water supply and treatment facilities to receive 4-Log, Virus Inactivation Certifications. Work consisted of evaluation of water supply/treatment flow rates, temperature, PH, chlorine injection points and detention times to meet chlorine contact time in accordance with NJDEP Ground Water Rule Compliance requirements. Work also included facility and monitoring upgrades necessary to meet the requirements.

OLD BRIDGE MUNICIPAL UTILITIES AUTHORITY SYSTEM – MISCELLANEOUS WATER PROJECTS – Including analysis of the water system with computer simulations and design and contract administration for water distribution system improvements. Analysis consisted of evaluation of supply, distribution, storage and the affect proposed improvements have on the water system.

BOROUGH OF UNION BEACH – MISCELLANEOUS WATER PROJECTS – Project engineer involved in the demolition of the Borough's 1927, 151 ft tall 200,000 gallon elevated water storage tank. Tasks include design and construction administration services. Including preparation of hydraulic computer model of the water systems, design, contract administration and observation for construction and/or rehabilitation of the water treatment plant, well, storage tank and mains. Other projects include evaluation of electrical and control systems at the Borough's Water and Sewerage Facilities.

BOROUGH OF ISLAND HEIGHTS - WELL CONSTRUCTION – Responsible for design, permitting and construction of Potable Water Supply Well No. 10 under NJDEP Emergency Provisions. Also responsible for design, preparation of contract documents, permitting and financial applications for Potable Water Supply Well No. 9.

LAKEWOOD TOWNSHIP MUA – Project Manager for the design and construction of eleven (11) water meter vaults generally on live 12-inch ACP water mains. The project includes isolating flow immediately adjacent to meter vaults, installation of bi-directional flow meters, water sampling stations, and automatic meter reading (AMR) throughout an age restricted community.

Design services for water system supply, treatment, storage, transmission and distribution system facilities has also been provided to the Borough of Highlands, Borough of Atlantic Highlands, Howell Township, Borough of Red Bank, Borough of Union Beach, Borough of Englishtown, Borough of Seaside Heights, Borough of Ocean Gate, and numerous other public and private clients.

Van Cleef
ENGINEERING WITH FOCUS

Michael G. Vreeland PE, PP, CME, CPWM

Principal / Branch Manager

Mr. Vreeland has provided engineering consulting and design services to clients in both the public and private sectors since 1993. During the last 23 years, Mr. Vreeland's experience has been primarily related to the duties of a Consulting Municipal Engineer. Mr. Vreeland's diversified experience includes wastewater management, sewer and water system design, dam engineering, storm water management, site development and redevelopment, review of land use applications, roadway design and environmental engineering.

WORK EXPERIENCE

2019 – Present	Van Cleef Engineering Associates, LLC Mt. Arlington, New Jersey
2003 – 2019	Guerin & Vreeland Engineering, Inc. Flanders, New Jersey
1999 – 2003	Guerin Engineering, Inc. Flanders, New Jersey
1993 – 1999	Converse Consultants. Parsippany, New Jersey

Mr. Vreeland has over 25 years of experience in the civil engineering field. Mr. Vreeland expertise is in the planning, design and management of public works projects. During the last 23 years, Mr. Vreeland's experience has been primarily related to the duties of a Consulting Municipal and Authority Engineer. Mr. Vreeland's diversified experience includes sanitary sewer conveyance system design; wastewater management; water distribution system design; dam engineering; storm water management; site development and redevelopment; application review and roadway design.

LICENSES/CERTIFICATIONS

Licensed Professional Engineer
NJ #24GE04168200

Professional Planner
New Jersey

Certified Municipal Engineer
New Jersey

Certified Public Works Manager
New Jersey

EDUCATION

Bachelor of Science in Civil Engineering, Lehigh University, 1993.

Short Courses, Rutgers, The State University, New Brunswick, New Jersey

Mr. Vreeland's general responsibilities have included: advising officials on engineering and public works issues; recommending capital repairs and improvements; identifying funding opportunities; preparing budgets; designing public works projects; preparing and reviewing technical studies plans and reports; project planning and scheduling; identifying project constraints; obtaining other agency approvals; preparing contract plans and specifications; contract administration; construction quality assurance and control; reviewing applications; making public presentations; attending meetings; coordinating with internal and external professionals, design teams and staff; as well as addressing public concerns regarding engineering issues.

Van Cleef
ENGINEERING WITH FOCUS

Mark A. Bahnick, P.E.

Principal Engineer

Mr. Bahnick is a Principal Engineer of the Firm with over 30 years of experience in the planning, design and construction of numerous public and private projects throughout Pennsylvania and New Jersey. Mr. Bahnick is responsible for client relations and overall management of all projects. His responsibilities include project planning and scheduling, identifying project constraints, financial analysis and assisting clients in obtaining required approvals. He also manages design teams involved in developing initial concepts, obtaining regulatory approvals and preparing detailed plans and specifications. Mr. Bahnick is responsible for construction management services including, shop drawing approval, and resolution of construction conflicts. Mr. Bahnick's design experience includes overall project management from initiation to completion.

PROJECT EXPERIENCE

Richland Township Water Authority Master Plan, Bucks, Pennsylvania: Water Master Plan included comprehensive analysis of all Authority facilities including supply, treatment, transmission, distribution and storage. Capital projects identified and prioritized. New wells planned for development and new treatment facilities installed. Overall tapping fee and user fee analysis also included.

Trio Farms, Ashley Development Corporation, Northampton County, Pennsylvania: Planning, analysis, design and permitting of water distribution system consisting of 25,000 feet of 8-inch water main and appurtenances, and sanitary sewer collection and conveyance system consisting of 8-inch collection system; a 16,000 GPD pump station; 120,000 GPD pump station; over 3,600 feet of 8-inch force main; and 3,400 ft of 12- inch and 4,800 ft of 15-inch interceptors to serve a 525-unit age-restricted community.

Morgan Hill Water System, Williams Township, Northampton County, Pennsylvania: Design, permitting and construction supervision of water distribution system consisting of 8-inch and 12-inch ductile iron pipe water main, 300,000 gallon elevated storage tank and booster pump station to serve a 350-unit community and 18-hole golf course.

Reservoir Road Water Storage Tank, Richland Township Water Authority, Pennsylvania: Planning, analysis, design, permitting and contract administration for a 750,000-gallon elevated water storage tank including local zoning, state environmental, and federal obstruction lighting approvals for a 150 ft tall hydropillar elevated water storage tank.

Walnut Bank Farms Arsenic Treatment Facilities, Richland Township Water Authority, Quakertown, Pennsylvania: Design, permitting and contract administration for a 440 gpm arsenic treatment system. The project includes granular ferric oxide (GFO) media arsenic treatment vessels with iron and manganese removal for pretreatment.

Portland Borough WWTP, Borough of Portland, Northampton County, Pennsylvania: The Borough of Portland is served by a 105,000 GPD Membrane Bioreactor Wastewater Treatment Facility. We represent the Borough as the Borough Engineer and our responsibilities include the design, operation and administration aspects of the Wastewater Treatment Facility. We have worked with the Operations Staff to optimize plant performance and minimize operations costs. We also provided design and construction administration services for process piping and pump station upgrades at the facility to improve the performance of the treatment system and eliminate issues with effluent quality.

LICENSES/CERTIFICATIONS

Licensed Professional Engineer: Commonwealth of Pennsylvania, #PE037877E
New Jersey, #24GE04156800
Texas, #111904

Licensed Waterworks Operator: Commonwealth of Pennsylvania, #195722

EDUCATION

Bachelor of Science in Civil Engineering, Pennsylvania State University, State College, Pennsylvania, 1983

PROFESSIONAL AFFILIATIONS

Tau Beta Pi National Engineering Honor Society

American Waterworks Association, Past Chairman Northeastern PA District

American Society of Civil Engineers

Leadership Lehigh Valley, Graduate 2001

Van Cleef
ENGINEERING WITH FOCUS

Mark A. Bahnick, P.E.
Principal Engineer

Blair Academy Wastewater Treatment Plant Improvements, Blairstown Township, Warren County, New Jersey: Responsible for providing engineering services for conceptual design, detailed design, bid phase and construction phase engineering services for water and wastewater treatment plant improvements, water and sanitary rehabilitation and replacements, pump stations, force mains, and pressure sewers. Perform process design calculations, hydraulic analyses, process selection. Perform modeling related to wastewater collection and pumping as well as water pumping and distribution. Develop designs for water and wastewater treatment projects including drawings and specifications ready for permitting and bidding. Review construction projects and consult with design and construction observation staff to assess progress and ensure conformance to engineering plans, specifications, and construction standards.

Milford Wastewater Treatment Plant, Hunterdon County, New Jersey: Planning, analysis, project management, New Jersey Department of Environmental Protection permitting, and Delaware River Basin Commission approval for wastewater treatment plant and process modifications to achieve a consistent total phosphorus concentration below 0.7 mg/L and to update aging sewage facilities infrastructure. Project included studies and pilot testing to determine the process to be recommended for full-scale design. Construction included modifications to the existing headworks, influent pump station, recirculation pump station and sludge processing as well as new sewage grinder, flow equalization tank, tertiary treatment pump station, chemical injection system and chemical storage, tertiary treatment pump station, tertiary sand filters, non-potable water reuse system.

Schering Plough Wastewater Treatment Plant, Sussex County, New Jersey: Design of piping system modifications, mixing system and aeration system to employ an unused clarifier tank for temporary storage of excess or high concentration flow that would be recirculated back to the plant in a controlled manner.

Pump Station and Interceptor Sewers, Northampton County, Pennsylvania: Planning, engineering design, preparation of opinions of probable cost, Pennsylvania Department of Environmental Protection permitting, for approximately 13,000 feet of 8-inch gravity collection sewers, 8,200 feet of 15- and 12-inch gravity interceptor sewers, 300 gpm pump station with 8-inch forcemain and 50 gpm pump station with 3-inch forcemain associated with a 525-lot residential development and surrounding areas.

Pump Stations

Northampton County, Pennsylvania
- Planning, engineering design, preparation of opinions of probable cost, construction administration for 8-inch gravity collection sewers and 150 gpm pump station with 4-inch forcemain associated with a multi-residential and commercial development.

- Planning, engineering design, preparation of opinions of probable cost, construction administration for 8-inch gravity collection sewers and 125 gpm pump station with 4-inch forcemain associated with a 78-lot residential development and adjacent area.

Bucks County, Pennsylvania
- Planning, engineering design, preparation of opinions of probable cost, Pennsylvania Department of Environmental Protection permitting, for 8-inch gravity collection sewers and 60-gpm grinder pump station with 3-inch forcemain associated with a 37-unit residential development.

Pressure sewers

Lehigh County, Pennsylvania
- Planning, engineering design, preparation of opinions of probable cost, Pennsylvania Department of Environmental Protection permitting, for a pressure sewer system associated with a 30-lot residential development and adjacent area.

Van Cleef
ENGINEERING WITH FOCUS

Nicholas M. Brown, PE, CME

Professional Engineer

Mr. Brown has provided engineering services for a wide variety of water, wastewater, and municipal engineering projects including design and preparation of plans, specifications, cost estimates, hydraulic modelling, and permitting. He has provided geotechnical services, construction observation, and construction phase engineering services for numerous wastewater treatment plants, wastewater pump stations, process equipment, sanitary force mains, sanitary gravity sewers, pipe assessments, CCTV inspections and CIPP re-lining projects.

His construction duties have included oversight for several wastewater projects involving deep excavation and bracing, heavy concrete structures, and piping installation. Additional responsibilities related to construction management include coordination with the project owner, contractors, support engineers, and regulatory agencies, as well as preparation of site layouts, quantity take-offs, scheduling construction, construction inspection and coordinating "as-builts" and field documentation.

LICENSES/CERTIFICATIONS

Licensed Professional Engineer
NJ #24GE05410400

Certified Municipal Engineer
NJ #19-06

EDUCATION

Bachelor of Science, 2012,
Mechanical Engineering,
Rutgers University

PROFESSIONAL AFFILIATIONS

NJWEA

PROJECT EXPERIENCE

Marina Area Pump Station – Bypass Connection & Meter Evaluation, The Atlantic City Sewerage Co., Atlantic City, NJ: Project Manager responsible for performing a comprehensive evaluation for a bypass connection and flow meter at the Marina Area Pump Station (MAPS). Specific tasks conducted for this project included review of existing system head curves, pump curves, and site layout to determine locations for bypass connection and flow meter.

Wastewater Treatment Plant Facility Assessment, Township of Ocean Sewerage Authority, Oakhurst, NJ: Project Manager responsible for the comprehensive assessment of their existing 7.5 MGD Purox activated sludge wastewater treatment plant (WWTP). Specific tasks conducted for this project included field reconnaissance to catalog existing facility assets, preparation of condition assessment report and culmination of Capital Improvement Plan (CIP) projects over the next 10 years. Presented report findings and CIPs to Authority's engineering committee commissioners.

Lake Drive Water Main Extension, Borough of Island Heights, Ocean County, NJ: Project manager and lead designer for the replacement of approximately 1,200 LF of water main. Specific tasks conducted for this project included preparation of contract specifications, drawings, cost estimate, coordination with Borough and manufacturers. Bidding duties included attendance of Prebid meeting, review of bid documents, issuance of Notice of Award & Notice to Proceed and preparation and attendance of preconstruction meeting. Construction management duties will include coordination of site contractor/subcontractor activities, construction phase and start-up engineering services, as-builts, and field documentation. Maintain close coordination with the Borough, general contractor, subcontractors, support engineers, and regulatory agencies.

2024 Annual TV & Cleaning of Authority Interceptor System – Phase 4, Bayshore Regional Sewerage Authority, Monmouth County, NJ: Project Manager for the system wide CCTV And cleaning project totaling approximately 13,200 LF of 48-inch and 54-inch diameter RCP Interceptor spanning from Union Beach, Hazlet and Keyport. Duties include direct coordination with onsite inspector, client and contractor. Project also includes the preparation of a comprehensive report evaluating and assessing the findings of the project.

Glenside Drive Water Main Replacement, Township of Mount Olive, Morris County, NJ: Project manager and lead designer for the replacement of approximately 2,000 LF of water main and Glenside and Kennedy Drive. Specific tasks conducted for this project included preparation of contract specifications, drawings, cost estimate, coordination with Township and manufacturers.

Replacement of Potable Water Meters, Borough of Island Heights, Ocean County NJ: Project manager and lead designer for the replacement of approximately 918 residential water meters with ultra-sonic style meters. Specific tasks conducted for this project included preparation of contract specifications, drawings, cost estimate, coordination with Borough and manufacturers. Project was funded through NJDEP I-Bank so additional duties included application preparation, coordination with NJDEP, preparation of interim reports and submittal documents and closeout of loan. Bidding duties included attendance of Prebid meeting, review of bid documents, issuance of Notice of Award & Notice to Proceed and preparation and attendance of preconstruction meeting.

Van Cleef
ENGINEERING WITH FOCUS

Nicholas M. Brown, PE, CME
Professional Engineer

Removal and Replacement of Potable Water Meters, Borough of Ocean Gate, Ocean County NJ: Project manager and lead designer for the replacement of approximately 1,152 residential water meters with positive displacement style meters. Specific tasks conducted for this project included preparation of contract specifications, drawings, cost estimate, coordination with Borough and manufacturers. Project was funded through NJDEP I-Bank so additional duties included application preparation, coordination with NJDEP, preparation of interim reports and submittal documents and closeout of loan. Bidding duties included attendance of Prebid meeting, review of bid documents, issuance of Notice of Award & Notice to Proceed and preparation and attendance of preconstruction meeting.

Glenbourne Drive Sewer Pump Station Rehabilitation, Township of Boonton, Morris County, NJ: Project Manager and Lead Designer responsible for the preparation of specifications and design drawings for the upgrade of existing raw sewage pumps, rehabilitation of exiting wet wells, installation of above grade valve vault, and site improvements. Additional responsibilities include coordination with Township and internal design team, additional design support, review of cost estimating, and review of bid packages and shop drawing submittals.

Water Storage Tank Site Evaluation Study, Borough of Seaside Heights, Ocean County, NJ: Project Manager responsible for performing a comprehensive evaluation for the replacement of the Borough's existing water storage tank. Specific tasks conducted for this project included review of site conditions to locate new tank, evaluation of multiple tank designs for Borough selection, cost comparison of each. Additional duties included preparation of calculations required for sizing water storage tank to handle the Borough's ongoing development throughout town.

Sandy Plant Wide Restoration and Mitigation, Bergen County Municipal Utilities Authority, Little Ferry, NJ: Project Engineer responsible for the preparation of specifications and design drawings for the process upgrades to the Little Ferry treatment plant's four (4) secondary sludge pumping stations. Upgrades include replacement of existing waste activate sludge (WAS) pumps, return activated sludge (RAS) pumps, spray water pumps, sump pumps, effluent pumps and elutriant pumps be replaced with submersible style pumps to protect against possible flooding while providing easier operation and maintenance. Additionally, various process piping valves and appurtenances were also identified to be rehabilitated, replaced with a flood proof piece of equipment or to be elevated above the base flood elevation (BFE). Lastly, work at these four stations will include moving all identified electrical systems to an elevated steel platform above the flood elevation just outside of each of the station's entrance buildings. Additional responsibilities include design support, AutoCAD drafting and Revit Modelling, cost estimating, milestone design reporting (30%, 60%, 90%). Project is currently under permitting review and construction is anticipated for 2025.

Pump Station Improvements Phase 2, Middle Township, Cape May County, NJ: Project Manager and Lead Designer responsible for the preparation of specifications and design drawings for the upgrade of existing raw sewage pumps, rehabilitation of exiting wet wells, installation of valve chambers, and site improvements. Additional responsibilities include coordination with Township and internal design team, pump station modelling using WaterGEMS, additional design support, review of cost estimating, and review of bid packages and shop drawing submittals. Construction management duties will include coordination of site contractor/subcontractor activities, construction phase and start-up engineering services, as-builts, and field documentation. Maintain close coordination with the Township, general contractor, subcontractors, support engineers, and regulatory agencies.

Pump Station Improvements Phase 1, Middle Township, Cape May County, NJ: Project Manager and Lead Designer responsible for the preparation of specifications and design drawings for the upgrade of existing raw sewage pumps, rehabilitation of exiting wet wells, installation of valve chambers, and site improvements. Additional responsibilities include coordination with Township and internal design team, pump station modelling using WaterGEMS, additional design support, review of cost estimating, and review of bid packages and shop drawing submittals. Construction management duties included coordination of site contractor/subcontractor activities, construction phase and start-up engineering services, as-builts, and field documentation. Maintained close coordination with the Township, general contractor, subcontractors, support engineers, and regulatory agencies.

Van Cleef
ENGINEERING WITH FOCUS

Upper Manasquan Pump Station Wet Well Coarse Bubble Diffuser Installation, Manasquan River Regional Sewerage Authority, Farmingdale, NJ: Project Engineer and Lead Designer responsible for the preparation of specifications and design drawings for the installation of a coarse bubble diffuser system within each wet well. Additional responsibilities included design support, review of cost estimating, and review of bid packages and shop drawing submittals. Construction management duties included coordination of site contractor/subcontractor activities, construction phase and start-up engineering services, as-builts, and field documentation. Maintained close coordination with the Authority, plant personnel, general contractor, subcontractors, support engineers, and regulatory agencies.

Various Pump Station Conversions, Landis Sewerage Authority, Vineland, NJ: Project Manager and Lead Designer responsible for the preparation of specifications and design drawings for the upgrade of existing raw sewage pumps, conversion of existing stations to submersible stations, installation of comminutors, rehabilitation of exiting wet wells, installation of valve chambers, and site improvements. Additional responsibilities include design support, AutoCAD drafting, cost estimating, and review of bid packages and shop drawing submittals. Construction management duties included coordination of site contractor/subcontractor activities, construction phase and start-up engineering services, as-builts, and field documentation. Maintained close coordination with the Authority, plant personnel, general contractor, subcontractors, support engineers, and regulatory agencies.

Sears Pump Station and Force Main Replacements, Landis Sewerage Authority, Vineland, NJ: Prepared specifications and design drawings for the demolition of the existing pump station building and select equipment, removal of the existing concrete top slab, installation of a new precast concrete top slab, bypass pumping of wastewater flows, replacement of existing raw sewage pumps, installation of new bypass pump, site improvements, installation of new electrical equipment, construction of a 12-inch diameter sanitary force main, jack and bore crossing beneath Landis Avenue, installation of new air release and dog house manhole, construction of a 24-inch diameter gravity sewer, installation of new manholes, associated traffic control measures, and all required temporary and permanent restoration. Additional responsibilities included design support, AutoCAD drafting, cost estimating, and review of bid packages and shop drawing submittals. Construction management duties will include coordination of site contractor/subcontractor activities, construction phase and start-up engineering services, as-builts, and field documentation. Maintain close coordination with the Authority, plant personnel, general contractor, subcontractors, support engineers, and regulatory agencies.

Ramada Pump Station and Force Main Replacements, Landis Sewerage Authority, Vineland, NJ: Project Manager and Lead Designer responsible for the preparation of specifications and design drawings for the replacement of existing raw sewage pump bypass pumping of wastewater flows, replacement of the valve chamber, replacement of process piping and appurtenances, site improvements, construction of a 4-inch diameter sanitary force main, horizontal direction drill (HDD) crossing beneath West Landis Avenue, construction of a 24-inch diameter gravity sewer, installation of new manholes, associated traffic control measures, and all required temporary and permanent restoration. Additional responsibilities included design support, AutoCAD drafting, cost estimating, and review of bid packages and shop drawing submittal reviews. Construction management duties will include coordination of site contractor/subcontractor activities, construction phase and start-up engineering services, as-builts, and field documentation. Maintain close coordination with the Authority, plant personnel, general contractor, subcontractors, support engineers, and regulatory agencies.

Upper Manasquan Pump Station Comminutor Upgrades, Manasquan River Regional Sewerage Authority, Farmingdale, NJ: Prepared specifications and design drawings for the upgrade of existing hydraulic comminutors to electric, which included the installation of one new XP immersible motor and one new comminutor control panel, and relocation of one existing comminutor control panel. Additional responsibilities included design support, AutoCAD drafting, cost estimating, and review of bid packages and shop drawing submittals. Construction management duties included coordination of site contractor/subcontractor activities, construction phase and start-up engineering services, as-builts, and field documentation. Maintained close coordination with the Authority, plant personnel, general contractor, subcontractors, support engineers, and regulatory agencies.

Van Cleef
ENGINEERING WITH FOCUS

Nicholas M. Brown, PE, CME
Professional Engineer

Wet Well Improvements Phase II, Upper Manasquan Pump Station, Manasquan River Regional Sewerage Authority, Marlboro, NJ: Assisted with the preparation of specifications and design drawings for the upsizing of the Authority's existing emergency bypass pump from 5 MGD to 9 MGD. Additional improvements include cleaning and lining of the existing wet wells and other minor site improvements. Additional responsibilities included design support, AutoCAD drafting, and shop drawing submittal reviews. Construction management duties included coordination of site contractor/subcontractor activities, construction phase and start-up engineering services, as-builts, and field documentation. Maintained close coordination with the Authority, plant personnel, general contractor, subcontractors, support engineers, and regulatory agencies.

Crest Haven Pump Station Comminutor Chamber, Cape May County Municipal Utilities Authority, Cape May Court House, NJ: Assisted with the design and preparation of contract and permit drawings as well as contract specifications for the construction of a 250-sf subgrade wastewater grinder station that will tie into the existing pump station. The design also includes the replacement of approximately 120 LF of sanitary sewer with 12-inch diameter PVC pipe. Construction management duties included coordination of site contractor/subcontractor activities, construction phase and start-up engineering services, as-builts, and field documentation. Maintained close coordination with the Authority, general contractor, subcontractors, support engineers, and regulatory agencies.

Van Cleef
ENGINEERING WITH FOCUS

Tyler B. Evans, PE

Project Manager, Water and Wastewater

Mr. Evans is a Professional Environmental Engineer licensed in the Commonwealth of Pennsylvania, the State of New Jersey and the State of Connecticut. Mr. Evans has over eight (8) years of experience in capital planning, design, review, and construction management of public and private water and wastewater projects.

WORK EXPERIENCE

July 2024 - Present	**Project Manager, Water and Wastewater** **Van Cleef Engineering Associates, LLC**
September 2021 – July 2024	**Assistant Project Manager** **Colliers Engineering & Design**
April 2019 – September 2021	**Project Engineer** **Gilmore & Associates, Inc.**
May 2016 – April 2019	**Assistant Project Engineer** **Carroll Engineering Corporation**

LICENSES/CERTIFICATIONS

Licensed Professional Environmental Engineer, Commonwealth of Pennsylvania, New Jersey, and Connecticut

EDUCATION

B.S. Environmental Engineering, May 2016
Wilkes University – Wilkes-Barre, PA

PROJECT EXPERIENCE

Croydon Wastewater Treatment Plant Expansion – Bristol Township, Croydon, PA – This project involved the construction of a new vortex-flow grit chamber, secondary clarifier, chlorine contact tank, sludge/scum pump station, flow splitter box, chlorine injection vault, dichlorination manhole, and chemical feed building. As part of this project, my responsibility was to aid in the design and calculations, prepare the project specifications/manual, draft the project construction drawings on AutoCAD, obtain WQM Part II DEP permitting, prepare a project cost estimate, bid the project on PennBid, and aid in all construction administration.

Tindey Run Sanitary Pump Station – Upper Providence Township, PA – This project involved the construction of a new 150 GPM duplex submersible sanitary pump station. As part of this project, my responsibility was to handle all design and hydraulic calculations, prepare the project specifications/manual, draft the project construction drawings on AutoCAD, obtain WQM Part II DEP permitting, prepare a project cost estimate, bid the project on PennBid, and handle all construction administration work like pay requests, shop drawings submittals, change orders, and field design changes.

Herman Road Elevated Potable Water Tank Rehabilitation – Horsham Water & Sewer Authority, Horsham Township, PA – This project involved the rehabilitation of an existing elevated water storage tank. Repairs included new interior and exterior coatings, metal repairs to the tank, and valve replacements. As part of the project, my responsibility was to handle all design, prepare the project specifications/manual, draft the project construction drawings on AutoCAD, obtain Public Water Supply DEP permitting, prepare a project cost estimate, bid the project on PennBid, and handle all construction administration work like change orders and pay requests.

Belvidere Wastewater Treatment Plant Renovation – Warren County (Pequest River) Municipal Utility Authority, Belvidere Township, NJ – This project involved the rehabilitation of an existing 0.5 MGD wastewater treatment plant constructed in the 1970's. As part of this project, my role was to evaluate the existing design, efficiency, effectiveness, operational costs, and equipment conditions out in the field. I prepared a 10-Year Capital Plan for the Authority to use for the renovation process to meet their budgeting needs. I was also involved in the design of the renovation to the primary and secondary clarifiers, including hydraulic calculations, drafting the construction drawings using AutoCAD, obtaining NJDEP permitting, preparing technical specifications, preparing cost estimates, and construction administration like recommendation of bid award letters, notice to proceed letters, preconstruction meetings, payment application requests, change orders, and shop drawing submittal reviews.

Van Cleef
ENGINEERING WITH FOCUS

Tyler B. Evans, PE
Project Manager, Water and Wastewater

Watchung Pump Station Renovation & Force Main Replacement – City of Plainfield, NJ – This project involved the renovation of an existing 1300 GPM triplex submersible pump station and replacement of the existing 1940's 8-inch C.I. force main. As part of this project, my role was to handle all of the design and hydraulic calculations, as well as the preparation of construction plans, technical specifications, NJDEP TWA permitting, conservation district E&S permitting, and cost estimates. This project involved the design of HDD under several existing bridges.

I&I Analysis & CIPP Lining Project – Horsham Water & Sewer Authority, Horsham Township, PA – This project involved completing an I&I analysis of the existing HWSA sanitary sewer system and the coordination of a 15,000+ LF CIPP lining project. As part of this project, my role was to conduct the I&I analysis to determine where CIPP lining needs to occur. This I&I analysis process involved coordinating TVing the existing sanitary sewer system and evaluating the reports to determine a ranking of needs. This I&I analysis also involved coordinating flow metering studies in strategic locations throughout the existing sanitary sewer system. Additionally, my role was to prepare project plans, technical specifications, and perform construction administration for a 15,000+ LF CIPP lining project of the existing sanitary sewer system.

W. Main Street Sanitary Force Main Replacement Project – Pen Argyl Borough, PA – This project involved the replacement of the existing 1960's 8-inch C.I. force main within a PennDOT state road. As part of this project, my role was to complete all drafting of construction plans using AutoCAD, perform all hydraulic calculations, obtain all necessary permitting from PADEP and PennDOT including WQM Permits and HOP Permits, preparation of all technical specifications and other bidding addendum documents, completion of project cost estimates, putting the project out to bid on PennBid, and handling all construction administration including recommendation of bid award, notice to proceed, preconstruction meeting, shop drawing submittal reviews, change orders, payment requests, punchlists, as-builts, and permit closeouts.

Willowbrook Road Water Main Relocation Project – City of Bethlehem Water and Sewer Resources, Allen Township, PA – This project involved the relocation of an existing 30-inch I.D. (36-inch O.D.) RCCP water main located under Northampton County Bridge No. 124 within Willowbrook Road crossing the Catasauqua Creek in coordination with a bridge replacement project. As part of this project, my role was to complete all drafting of construction plans using AutoCAD, perform all hydraulic calculations, obtain all necessary permitting from PADEP and NCCD including GP-5 Stream Crossing and E&S Approval, preparation of all technical specifications and other bidding documents, completion of project cost estimates, and handling all construction administration including recommendation of bid award, notice to proceed, preconstruction meeting, shop drawing submittal reviews, change orders, payment requests, punchlists, and permit closeouts.

Van Cleef
ENGINEERING WITH FOCUS

Christopher B. Jepson, PE, LO

Senior Professional Engineer

Mr. Jepson has more than 40 years of experience in municipal/industrial wastewater/water operations and sludge processing and disposal technologies. His knowledge of biological and chemical processes and alternatives in the wastewater field is augmented by his practical experience operating wastewater/water treatment plants and their laboratories. Mr. Jepson has experience in design and operations criteria for wastewater collection systems; treatment plants; water distribution systems; wells; and surface water treatment facilities.

Mr. Jepson's responsibilities have included process design development for WWTP processes and design, chemical feed systems, WTP processes and design, troubleshooting these systems, developing and upgrading industrial pretreatment programs, assisting in facility startups, participating in NPDES permitting and assistance, permit appeals, capacity studies, procurement of funding sources, and wastewater and water operations. He also provides wetlands and endangered species habitat evaluations.

Mr. Jepson is an active licensed wastewater operator in New Jersey. His operator's perspective blends well with his over 38 years of experience in the wastewater field. He is an active member of the New Jersey Water Environment Association (NJWEA) and serves on several committees. He has served many Authorities/municipalities in his career.

PROJECT EXPERIENCE

Parsippany-Troy Hills WWTP, Parsippany, NJ. Mr. Jepson is working with Parsippany in permitting a PAA disinfection system that will ultimately remove chlorine produced oxidants (CPO) from the NJPDES permit while discharging a more environmentally friendly disinfection chemical. This is also a cost-effective solution to this disinfection issue. Two (2) 6,500 gallon PAA storage tanks have been constructed.

Hopewell Township / Hopewell, NJ. Currently assisting the Township on a wide variety of water and wastewater projects. Projects include an I & I study and subsequent sewer rehabilitation in the Princeton Farms subdivision including sewer main replacement and lateral repair, Princeton Farms PS rehabilitation, Brandon Farms PS rehabilitation including new VFDs, potable water valve replacements (Washington Crossing), potable water capacity analyses and emergency generator permitting among others. Mr. Jepson is the licensed collection system operator for the Township's sewer system.

Grasso Foods – Woolwich Township, NJ. Mr. Jepson is the licensed N-2 operator for this food processing (pepper) facility. He has also designed and implemented a supplemental aerator system for the main treatment lagoon.

Neshanic Valley Golf Course, Somerset County, NJ. Mr. Jepson is the licensed WWTP operator for the Neshanic Golf Course located at Neshanic Station, Somerset County.

Readington Township, Hunterdon County, NJ. Mr Jepson is the licensed collections system operator for the Township.

LICENSES/CERTIFICATIONS

Licensed Professional Engineer
New Jersey - #24GE04590500
Pennsylvania - #051993E

NJDEP S-4 Wastewater Operator License #5484

NJDEP C-3 Public Wastewater Collection System License #5483

NJDEP N-2 Industrial Wastewater Operator License #15330

EDUCATION

Bachelor of Science, Biology, Emory University, 1972

Master of Science Environmental Engineering, Villanova University, 1996

USEPA 503 Sludge Seminar, 1994

Wastewater Concept/Design Course, BCM Engineers, 1993-94, 2002-2003

40-Hour HAZWOPER Training, 1997

8-Hour HAZWOPER Refresher, 2001

Security Risk Assessment Methodology for Water Utilities (RAM-W), Pennsylvania Section American Water Works Association, 2002

Van Cleef
ENGINEERING WITH FOCUS

Christopher B. Jepson, PE, LO
Senior Professional Engineer

Township of Mount Olive – Mr. Jepson designed and managed the construction of an influent barscreen at the WWTP and effluent tertiary filter that was successfully finished in 2013.

Trenton Sewer Utility / Trenton, NJ - Mr. Jepson has provided wastewater engineering services to the TSU for over 20 years. He was the project manager for the NJEIT-funded secondary clarifier and sludge pumping stations rehabilitation project. He has provided project oversight for the DRBC required PCB Pollutant Minimization Plan (PMP) and testing, CSO outfall monitoring, Industrial Pretreatment Program assistance and Local Limits development and anaerobic digester gas flare permitting, trickling filter rehabilitation, among many others.

Maryville, Gloucester County, NJ. Mr. Jepson is the licensed wastewater operator for the ground water discharge system. He also does all permitting for the facility.

Wallace Road Emergency Sewer Repair, West Windsor Township, NJ - Mr. Jepson completed an emergency sewer repair to an 18-inch ACP line at 20 feet in depth in front of the major AMTRAK station. CIPP and several spot repairs were done on the 4900-foot section. Mr. Jepson completed a pipe bursting and replacement project for the 18-inch ACP line directly upstream of the previous project. This project also rehabilitated and relined 2 siphons. He also completed the upgrades to the South Post Road and Duck Pond Run pumping stations that included wide spread odor control. Currently working on relining a 48-inch sewer.

Upper Elementary School, Cape May, NJ - Mr. Jepson has just completed designing a nitrifying sequential batch reactor (SBR) WWTP for the school for a groundwater recharge. This project is under a DEP ACO with a strict schedule. The construction was completed in 9/15 and is now fully compliant.

Lakewood Township MUA Sewer Line Design, Lakewood NJ - Mr. Jepson was the project manager for the 24-inch sewer deign for eliminating the Woodlake PS that was completed in 2016. It included 2 jack and bore locations (one under a stream and another under Route 88 and connecting to an OCUA manhole in Route 88). About 9000 feet in length. The project included 2 rounds of cleaning and televising the new line for any irregularities. The new line is in active service.

North Hanover Upper Middle School / Wrightstown, NJ – The new WWTP with a groundwater discharge had operational problems when it was stated up in very late 2007. Mr. Jepson was called in to evaluate the system. Lack of a carbon source and an alkalinity imbalance made the system non-compliant. Mr. Jepson remedied the situation and the facility has been in total compliance since May 2008.

United Water / Camden, NJ – Mr. Jepson provided the 2013 CSO Annual Inspection Report for the 28 CSOs in the Camden City sewer collection system that was completed in December 2013. The 2013 Annual Report was a requirement in the NJPDES permit. He repeated this project in 2014.

PROFESSIONAL ACTIVITIES
Water Environment Federation

New Jersey Water Environment Association-South Section

New Jersey Water Environment Association

AWARDS/SCHOLARSHIPS
NJWEA, William Pine Award, 2002

NJWEA, Dr. H.H. Heukelekian Award (Industrial Wastewater), 2004

NJWEA, Select Society of Sanitary Sludge Shovelers, 2004

NJWEA-South Jersey, Knight of the Golden Shovel, 2004

NJWEA, Service Award, South Jersey Section, 2006

NJWEA-South Jersey, Leo J. Saverese Award, 2008

NJWEA, Golden Manhole Society, 2008

NJWEA Leroy Foreman Award, 2017

PAPERS/PUBLICATIONS
"Peracetic Acid Disinfection", New Jersey Effluents, Vol. 50, #4, 2018.

"Water Reclamation and Reuse: Spray Irrigation - Lessons Learned", Presented to New Jersey Water Environment Association, Atlantic City, NJ, 2002.

Van Cleef
ENGINEERING WITH FOCUS

Christopher B. Jepson, PE, LO
Senior Professional Engineer

Milford WWTP / Milford, NJ – Mr. Jepson assisted in the design of the new upgrades and modifications to the Milford WWTP. This new design has enabled Milford to meet or exceed all new DRBC/NJDEP discharge requirements for the Delaware River.

Straube Center/Pennington, NJ./Fire Service Assembly Meters – Mr. Jepson designed and started up 2 large volume fire service assembly meters (Hersey) for the Straube Center which were required by the Pennington Water Department due to lost water issues being pursued by the NJDEP.

Fort Dix WWTP / Fort Dix, NJ – In 2008, Mr. Jepson was a part-time WWTP operator at this modified Bardenpho WWTP with a 4.0 MGD capacity. He caught up on his laboratory and operational skills during the year. This facility constantly discharges phosphorus at 0.1 mg/l to a groundwater recharge system with no chemical addition.

Delaware River Basin Commission (DRBC) / West Trenton, NJ – Mr. Jepson was selected to be a voting member of DRBC's Implementation Advisory Committee (IAC) in 2004 representing wastewater dischargers. This committee is working on PCBs and the newly devised adaptive implementation of reducing PCB discharges. More toxic parameters will be added shortly. He is adamantly opposed to direct numeric limits for dischargers of PCBs. Mr. Jepson also attends Technical Advisory Committee (TAC) meetings.

Pottstown Wastewater Treatment Plant / Pottstown, PA – Provided wastewater engineering for the 15.6 mgd facility including industrial pretreatment, operations assistance, several rounds of NPDES permitting, wetweather operation practices, PCB evaluations, sludge dryer (KomlineSanderson) design/implementation/startup, litigation assistance, and operator training among many others. Provided licensed water operator assistance during high flow or emergency conditions at this facility for over 10 years. Also designed the new sludge handling facilities at the WTP along with other plant modifications. Provided startup of new chemical feed facilities (ferric chloride, alkalinity and chlorination). Various permitting was also provided.

Reading Area Water Authority / Reading, PA – Assisted the Authority with the following projects:

- Assisted in the design and development of the corrosion control project for Calpine.
- Assisted in obtaining dechlorination compliance and permitting with design of a dechlorination system for the water treatment plant discharge.
- Assisted with piloting a caustic system to replace the lime system used for pH control at the water treatment plant.
- Assisted in obtaining Federal Energy Regulatory Commission (FERC) approval for decommissioning the hydroelectric generating facility at the Ontelaunee Dam.
- Assisted in capacity analyses for the distribution system and surface water treatment plant.

Wastewater Treatment / Scranton Sewer Authority / Lackawanna County, PA. Served as Interim Superintendent for a 20-mgd wastewater treatment plant.

Wastewater Collection / City of Wheeling, WV. Developed Combined Sewer Overflow (CSO) program. Assisted on WWTP secondary clarifier and IPP projects.

Water Treatment / City of Romney, WV. Provided start-up and operations assistance for a 3-mgd water treatment plant.

Wastewater Treatment/Burgettstown-Smith Joint Sewer Authority/Pennsylvania. Provided startup and operations for a 1-mgd wastewater treatment plant.

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ENGINEERING WITH FOCUS

Christopher B. Jepson, PE, LO
Senior Professional Engineer

Tidal River Modeling/Middletown-Odessa-Townsend (MOT) Wastewater Treatment Plant / New Castle, DE. As Environmental Engineer, performed tidal river modeling for the proposed discharge from this facility.

Wastewater and Solid Waste Management / Cape May County Municipal Utilities Authority, NJ. Performed 1994 and 1995 inspection of all authority wastewater and solid waste management facilities for the annual operating budgets for each fiscal year. The facilities included 5 WWTPs, 29 pumping stations, chemical addition stations, an in-vessel composting facility, a large landfill, and several transfer stations.

Wastewater Treatment Plant Rerate Study / Lansdale, PA. As Environmental Engineer, conducted a rerate study of this municipality's wastewater treatment plant. The rerate from 2.5 mgd average and 4.0 mgd peak to 4.0 mgd average and 6.5 mgd peak was approved.

Industrial Pretreatment Programs/Town of Phillipsburg, NJ; Camden County Municipal Utilities Authority, NJ; and Borough of Kennett Square, PA. As Environmental Engineer, developed and implemented industrial pretreatment programs.

Van Cleef
ENGINEERING WITH FOCUS

Jeremy J. Edinger, PE, CME

Professional Engineer

As a professional Civil Engineer, Mr. Edinger's responsibilities have been focused in the area of municipal engineering, infrastructure, and utility engineering. His experience spans the complete lifecycle of projects, from field reconnaissance to assisting with layout and design, to the preparation of construction plans using computer-aided design software and the preparation of contract specifications and permit applications necessary at local, county and state approvals, to construction administration and construction inspection. He has assisted with the planning and design of water and wastewater treatment plants, rehabilitation of water supply wells, gravity sewer mains, municipal roadway construction and resurfacing projects, coastal engineering, recreational improvements, and various special projects. Mr. Edinger has also provided inspection services for various concrete curb and sidewalk construction, water and sewer main installation/rehabilitation, dune and dune structure maintenance, and production well redevelopment and rehabilitation projects.

PROJECT EXPERIENCE

Long Point Timber Groin, Borough of Island Heights, Ocean County, New Jersey: Successfully permitted, designed and constructed a new timber groin in the Toms River to promote sand accumulation along an eroded shoreline. The project required NJDEP and US Army Corps of Engineers permitting that included an archaeological study of the project area. Construction was successfully completed by a reputable marine contractor. (2021 – 2023)

Boardwalk Improvements Project, Borough of Seaside Heights, Ocean County, New Jersey: Designed and constructed structural repairs and decking replacement for 36,000sf of boardwalk. This project also included the structural design and construction of a concrete crossover ramp for use in heavy machinery crossing the boardwalk onto an adjacent pier and the beach. The project was constructed on-budget despite various setbacks due to design alterations caused by material shortages. (2022 – 2023)

NJDOT Municipal Aid Road Improvements Projects, Various Municipalities, Ocean County, New Jersey: Prepared contract drawings and specifications for NJDOT Municipal Aid funded road projects, including design of road resurfacing/reconstruction, concrete sidewalk and curb, drainage improvements, etc. Project management responsibilities from design through bidding and to construction completion. Coordination with NJDOT is always required to comply with all requirements of State Funded projects. (2021 – Present)

Belmont Drive and Ardmore Avenue Road Improvements Project, Borough of South Toms River, Ocean County, New Jersey: Prepared contract drawings and specifications for NJDOT Municipal Aid funded road resurfacing project. Coordination with the NJDOT was required to comply with all requirements of State Funded projects. (2021 – Present)

Shoreline Stabilization Project, Borough of Seaside Heights, Ocean County, New Jersey: Assisted with design of living shoreline/joint-planted revetment for eroded shoreline in the Barnegat Bay. Coordinated with environmental consultant to prepare required permit plans and NJDEP/USACE applications. (2021 – 2023)

Sanitary Sewer Master Plan, City of New Brunswick, Middlesex County, New Jersey: Managed and coordinated the efforts required to prepare a full evaluation of the City's sanitary sewer system, inclusive of field GIS data acquisition and updating of the City's sewer mapping, flow metering, hydraulic modelling, buildout analysis, desktop review and preparation of the City's first sanitary sewer master plan. Recommendations were developed and included in the master plan document with a 10-year look-ahead capital improvements plan for addressing an aging system in a constantly evolving city. (2019 – 2020)

LICENSES/CERTIFICATIONS

Licensed Professional Engineer
NJ #24GE05324200, 2017

Certified Municipal Engineer
NJ, 2019

New Jersey Society of Municipal Engineers, Municipal Engineering Construction Inspection Program Graduate, 2010

OSHA Confined Space Entry Certified

EDUCATION

B.S. Civil Engineering,
University of Vermont,
Burlington, Vermont, 2009

PROFESSIONAL AFFILIATIONS

New Jersey Society of Municipal Engineers, Member

Wastewater Pump Station Improvements, Mack-Cali Holmdel, LLC, Holmdel, Monmouth County, New Jersey: Designed, prepared drawings and provided construction administration for a private wastewater pump station and valve chamber improvements project. Tasks included making pump selections, design for the rehabilitation of the existing wet well, design of new piping layout and new valve chamber, and design of new wet well bypass. Coordinated sending out RFP packages of contract documents to contractors and ultimately awarded the project to the lowest responsive bidder. Responsible for the shop drawing review process and overall management of the construction phase (2018)

Rehabilitation of Roosevelt Avenue Pump Station, Borough of Carteret, Middlesex County, New Jersey: Designed and prepared construction drawings for the rehabilitation of an existing 13.3 MGD sanitary sewer pump station. The Roosevelt Avenue Pump Station pumps all of the wastewater flows from the Borough to downstream Middlesex County Utilities Authority (MCUA) conveyance piping for treatment at the MCUA's main wastewater treatment facility. Pump and controls failures rendered the existing station unable to pump all of the incoming flows which resulted in an expedited emergency design of improvements to the station. (2019)

W 7th Street Regulator Station Storm Hardening, New Jersey Natural Gas Company, Ship Bottom, Ocean County, New Jersey: Designed and prepared civil site drawings and coordinated the design and preparation of contract drawings and specifications for structural, mechanical, architectural, and electrical-related components of an elevated natural gas regulator station and protective enclosure building to protect the regulator station from flooding and storm related debris. Coordinated the bidding and contractor award. Responsible for the shop drawing review process and request for information (RFI) responses, as well as management of the overall construction phase of the project. (2016 – 2019)

Reconstruction of Pacific Avenue, Wildwood Crest Borough, Cape May County, New Jersey: Designed and prepared contract drawings for the full reconstruction of 0.9 miles of roadway, including a complete sanitary sewer evaluation and re-design for the aging infrastructure located within the project's corridor. Coordinated the implementation of a "road diet" into the final design of the roadway striping layout, which included numerous meetings and discussions with Borough Commissioners, the County Engineer, a traffic engineering consultant, and Borough residents to reconfigure the striping design from a 4-lane road down to a 2-lane road. Coordinated the bidding and contractor award and managed the construction of the project from start to project closeout. (2016 – 2017)

Municipal Engineering Services, Freehold Township, Monmouth County, New Jersey: Assisting the Municipal Engineer performing various developer reviews, including major and minor site plan applications, major and minor subdivision applications, resolution compliance reviews, and zoning application reviews for various projects. Work directly with the Township Engineer to ensure all applications meet the requirements of the municipality, per the Township's Ordinances, as well as all State and Federal agencies. (2014 – 2018)

Herbert Street Pump Station Reconstruction, Mantoloking Borough, Ocean County, New Jersey: Assisting with the design and construction of a sanitary sewer pump station to replace the existing pump station, which was completely destroyed during Superstorm Sandy. Tasks include assisting with the preparation of construction drawings using AutoCAD, assisting with public bid, performing shop drawing reviews, coordinating with contractor and various utility companies, and performing construction administration duties throughout the entirety of the project. (2014 – 2016)

Deputy Land Use Official, Mantoloking Borough, Ocean County, New Jersey: Provide assistance to the Borough's Land Use Official performing duties relating to zoning issues within the Borough. Tasks include reviews of zoning permit applications for the construction of new homes, raising existing homes, and all other permit-required land use activities regulated under the Borough's Land Use Regulations. Responsibilities include review of various site plans, plot plans, surveys, and/or architectural drawings to ensure compliance with Borough Ordinances. Also provide assistance to the Borough Engineer, performing site plan reviews and other various tasks. (2014 – 2017)

Van Cleef
ENGINEERING WITH FOCUS

Jeremy J. Edinger, PE, CME
Professional Engineer

Special Engineering Services, City of New Brunswick, Middlesex County, New Jersey: Providing AutoCAD drafting, geographic information system (GIS) support, and inspection services for various roadway/traffic safety projects. Provided AutoCAD drafting and design for various standard construction details for the City Engineering Department. Provided GIS support for revisions to the City's Drug Free Zone, Election District, Public Parks, and Public Buildings maps. (2010 – 2021)

Van Cleef
ENGINEERING WITH FOCUS

Joseph Canada, P.L.S.

Director of Surveying

Mr. Canada has over 20 years of diverse Land Surveying experience for a variety of private and municipal projects. He is a graduate of the New Jersey Institute of Technology with a Bachelor of Science degree in Land Surveying. His Surveying experience has enabled him to become an expert in property line resolution, record research and construction services. He also has experience using drone technology in acquiring field data to use for various design and right of way projects.

LICENSES/CERTIFICATIONS
Licensed Professional Land Surveyor: NJ #43333

EDUCATION
New Jersey Institute of Technology, Newark, New Jersey, Bachelor of Science in Surveying Engineering Technology, 2012

PROFESSIONAL AFFILIATIONS
Garden State Land Surveyors Alliance

WORK EXPERIENCE

Emley Farm Subdivision – Survey Project Leader for a Minor Subdivision for the creation of a new Farm Parcel in Plumsted. Performed map and easement research for both parcels. Prepared subdivision maps, parcel metes & bounds descriptions, as well as descriptions for future access easements on the property. Reviewed and approved by the State Agricultural Development Committee.

Ocean County Lacey Road Base Map – Survey Team Leader for road reconstruction services along Lacey Road for Ocean County. The project included traditional field crew obtaining cross sections as well as a drone engineer obtaining topographic data for the entire length of the road. Prepared base maps using acquired data to be used by the Engineering Team for design purposes.

Millstone Peplowski Farm Survey and Farmland Preservation Easement – Project Leader for a Farmland Preservation Easement Project in Millstone, New Jersey. Work included performing deed and filed map research, locating all features on and around the property, recover and locate former monumentation and boundary resolution. Prepared a Survey of Property map along with descriptions for Farmland Preservation Easement, Exception Areas, Right of Way conveyance and Utility Easement.

Community Medical Center Roof Topography – Survey Team Leader for planimetric and topographic location of a roof at Community Medical Center Hospital in Toms River, New Jersey for the design of a helicopter pad. Work included locating all features on the roof with their elevations as well as difference in height to the base of the hospital for the purpose of height restrictions. Prepared a topographic map to aid in the design of the helicopter pad.

Brooklyn Avenue Road Improvements Base Map – Survey Team Leader for Right of Way and Handicap Ramp improvements along Brooklyn Avenue in the Borough of Lavallette. Work included obtaining field measurements of the road with 50-foot interval cross-sections and the location of all physical features within the project limits including utilities. Prepared a base map showing existing conditions of the roadway aiding in the design of pavement, curb and driveway improvements as well as Construction and Traffic Control Plans.

Gas Line Location Maps and Green Sheets – Prepared Gas Line Location Maps and Green Sheets for excavated areas of underground gas pipelines located in various locations in New Jersey. Survey Team Leader for obtaining field location of excavated gas pipes as well as control set in the surrounding area for recovery at a later date. Some locations also included boundary location and monumentation recovery.

Waterfront Development and Coastal General Permit for Boat Ramp Reconstruction – Survey Team Leader tasked with locating existing conditions of boat ramp, bulkhead, surrounding features, Mean High Water Line, Mean Low Water Line and Mean Higher High Line. Researched Tidelands and Riparian Rights for the project property and prepared a Topographic Survey of the area for use in developing permit drawings for Boat Ramp Reconstruction and Bulkhead Replacement.

Van Cleef
ENGINEERING WITH FOCUS

Joseph Canada, P.L.S.
Director of Surveying

Commercial Construction Stakeout in Toms River – Survey Team Leader responsible for locating control and staking out drainage structures, curb and poles. After construction was complete, prepared a site as-built plan reflecting all improvements to the site as it is constructed. The plan includes the elevation around the perimeter of the building, finish floor elevations, top and bottom of curbs and spot elevations throughout the site, as-built drainage system showing top of curb, grate elevations, pipe inverts, length and slope percentage, top and bottom elevation of detention basin, number of marked parking spaces, fire zone and fire lanes.

Monitoring Well Certification Forms in Lakehurst – Project Leader responsible for establishing Horizontal and Vertical control in New Jersey State Plane and NAVD88 and measuring Top of inner Casing (cap off), Top of Outer Casing and Elevation of Ground around each monitoring well. Prepared Certification Form B's for all wells to be used for future site development.

Seaside Heights Kiosk Replacement Project – Seaside Heights Kiosk Replacement Project – The project called for removing or replacing 42 Kiosk concrete footings and associated bollards, constructing 18 new Kiosk concrete footings and installing new bollards, preparing 49 kiosks with solar power and removing or replacing all previous kiosk signs throughout Seaside Heights. As Survey Team Leader, was responsible for providing maps of all kiosks which required necessary changes. This included setting Horizontal and Vertical Control, measuring to existing kiosks and surrounding features such as signs, curbs, utilities and striping. Prepared existing condition maps for various sites throughout the project.

Lavallette Sand Dune Maintenance Plans – Survey Team Leader responsible for using drone imagery to prepare existing condition maps showing the current location of sand dunes along beach front properties in the Borough of Lavallette. This included locating existing survey control to determine the location of boundary lines along oceanfront properties, setting markers along said property lines to identify boundary locations, locate existing structures on oceanfront properties to identify location for proposed maintenance path, and obtaining orthographic imagery of sand dunes using drone technology.

Cranberry Hill Estates Road Improvements in Lacey Township, New Jersey – Survey Team Leader for Right of Way and Handicap Ramp improvements in the Township of Lacey. Work included setting control, obtaining field measurements of the road with 50-foot cross-sections and the location of all physical features within the project limits including drainage. Prepared existing conditions maps showing all features within the project limits to aid in re-profiling the roadway, modify existing drainage structures and re-striping.

Barnegat Land Swap Between Ocean County and State of New Jersey – Surveyor responsible for researching project deeds and maps, locating existing control, measuring to all features on the properties, and resolving boundaries locations of each parcel. Prepared Green Acres Survey Plans for all properties, metes & bounds descriptions and certification forms for the diversion and replacement parcels. Set monuments according to Green Acres Standards.

Overbrook Farm Survey for Monmouth County in Colts Neck, New Jersey – Surveyor responsible for preparing a REPI Conservation Easement on behalf of the U.S. Navy in Colts Neck, New Jersey. Researched project deeds and maps, resolving boundary evidence based off evidence found in the field and evidence based in reference documents. Prepared metes & bounds descriptions for said REPI easement and other easements created on the lot.

Van Cleef
ENGINEERING WITH FOCUS

George Papamakariou, II, PE

Project Engineer

Mr. Papamakariou has worked full-time in the Engineering & Construction Industry since 2017, and part-time (internships) since 2013. He has worked on both the Civil Engineering Consulting and Construction Project Management side of the industry. Previous to joining Van Cleef, Mr. Papamakariou was a full-time Project Engineer for a Construction Management firm in New York City, where he was involved in several large high-profile high-rise building projects (commercial and residential). During this time, his day-to-day activities included overseeing construction progress, RFI drafting and submission, shop drawing review and processing, QA/QC, design coordination, contractor coordination, scheduling, budgeting, field engineering, estimating/purchasing, payment review, and direct management of several contractors (structural, architectural, and MEP).

Since joining Van Cleef in January 2020 as a Design Engineer, Mr. Papamakariou has primarily worked in the Municipal Engineering and Water/Wastewater Engineering departments out of the Toms River office. His workload has generally consisted of construction plan design & specification preparation, AutoCAD drafting, engineering cost estimates, engineering inspection, plot plan/dune structure application reviews, shop drawing reviews, and construction project management. The general Scope of Work for the projects he has been involved in include roadway reconstruction & drainage, pump station design, sanitary sewer rehabilitation & design, water main design/relocation, well redevelopment, beach/waterfront improvements, NJDOT/CAFRA Applications, and Land Development. Mr. Papamakariou has also worked with the Freehold office's Highway Engineering department, preparing construction plans and MPT plans for PSE&G utility improvement projects.

PROJECT EXPERIENCE

Glenbourne Drive Sewer Pump Station Rehabilitation, Township of Boonton, Morris County, New Jersey: Design Engineer responsible for the preparation of specifications, design drawings, cost estimation, bid packages and shop drawing reviews for the upgrade of existing raw sewage pumps, rehabilitation of existing wet wells, installation of above grade valve vault, and site improvements.

Lake Drive Water Main Extension, Borough of Island Heights, Ocean County, New Jersey: Design Engineer for the replacement of approximately 1,200 LF of water main. Specific tasks conducted for this project included preparation of contract specifications, drawings, cost estimate, coordination with Borough, manufacturers and Contractor, bid documents, construction administration, and shop drawing review.

2024 MUA Engineer (Van Cleef Engineering) for Jackson Township Municipal Utilities Authority, Ocean County New Jersey: Project Engineer on Van Cleef Engineering Team appointed as the Authority Engineer, assisting John R. Berens, P.E. (Official MUA Engineer) with day-to-day engineering related tasks for the Jackson Township MUA. These tasks generally include Developer Reviews for Preliminary, Tentative, and Final Approvals for Water & Sewer Utilities, Construction Administration, Contractor and Inspection Coordination, Preconstruction Meetings, Shop Drawing Reviews, Project Closeout, Monthly Reports, Technical Pump Station Reviews, and assisting with/working on any Engineering Projects presented by the JTMUA.

LICENSES/CERTIFICATIONS

Licensed Professional Engineer
NJ Licence #24GE05909400

OSHA-30 Construction Safety Trained

EDUCATION

Master of Science, Construction Management. Stevens Institute of Technology, 2017.

Bachelor of Engineering, Civil Engineering. Stevens Institute of Technology, 2017.

PROFESSIONAL AFFILIATIONS

A.S.C.E., American Society of Civil Engineering

New Jersey Water Association (NJWEA)

Water Environment Federation (WEF)

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ENGINEERING WITH FOCUS

George Papamakariou, II, PE
Project Engineer

Marina Area Pump Station – Bypass Connection & Meter Evaluation, The Atlantic City Sewerage Co., Atlantic City, New Jersey: Project Engineer responsible for assisting Project Manager/Lead Designer in performing a comprehensive evaluation for a bypass connection and flow meter at the Marina Area Pump Station (MAPS). Specific tasks conducted for this project included review of existing system head curves, pump curves, and site layout to determine locations for bypass connection and flow meter.

Replacement of Potable Water Meters, Borough of Island Heights, Ocean County New Jersey: Project Engineer for the replacement of approximately 918 residential water meters with ultra-sonic style meters. Specific tasks conducted for this project included preparation of contract documents, cost estimate, coordination with Borough and manufacturers, and bidding documents. Bidding duties included attendance of Prebid meeting, review of bid documents, issuance of Notice of Award & Notice to Proceed and preparation and attendance of preconstruction meeting.

Removal and Replacement of Potable Water Meters, Borough of Ocean Gate, Ocean County New Jersey: Project Engineer for the replacement of approximately 1,152 residential water meters with positive displacement style meters. Specific tasks conducted for this project included preparation of contract documents, cost estimate, coordination with Borough and manufacturers, and bidding documents. Bidding duties included attendance of Prebid meeting, review of bid documents, issuance of Notice of Award & Notice to Proceed and preparation and attendance of preconstruction meeting.

Harlingen Village Pump Station & Sanitary Sewer Main – Montgomery Township, New Jersey: Design engineer for analysis of existing site conditions and conceptual design of proposed pump station, force main, sanitary sewer main and laterals for proposed 22.189 acre Harlingen Village residential development and off-site sewer main developments (plans and specifications).

Harriet's Mobile Home Park Pump Station & Sanitary Sewer Main – Readington Township, New Jersey: Design engineer for analysis of existing site conditions and design, cost estimation and permitting of proposed pump station, force main, on-site sanitary sewer main and laterals for upgrading existing mobile home park from a private septic system to connecting to the public sanitary sewer main system along Route 22.

Route 38 & South Church Street Reconstruction – Water Main & Sewer Main Relocation and Bridge Crossing – Moorestown Township, New Jersey: Design Engineer for analysis of existing conditions and design, coordination, and cost estimation of the relocation design of water and sewer main utility mains for a NJDOT Roadway Reconstruction project.

Hydraulic Analysis & Modeling – Existing System and Proposed Developments – Seaside Heights, New Jersey: Created a Hydraulic Water Main Model of the Borough of Seaside Heights and performed hardy-cross, Extended-Period Simulation hydraulic analysis on the current water main system using KY Pipe, simulating both existing and proposed flow demand conditions. Performed field flow testing on hydrants to analyze the pipe conditions in the system to more accurately simulate system functionality. Coordinated with the Borough Water Department to determinate 24-hour diurnals and peaking factors, as well as Storage Tank and Well flow functionality.

Hydraulic Analysis & Modeling – Bohler Engineering for Old Bridge Municipal Utilities Authority – Old Bridge Township, New Jersey: Performed hardy-cross, steady-state hydraulic analysis on proposed on-site water mains for various land developments in Old Bridge using the KY Pipe program to determine system NJDEP conformance/feasibility in regards to provided water capacity and pressures available at various flow demand conditions, inclusive of fire flow capabilities. Analyzed and provided summarization reports to the Site Engineer Bohler Engineering with recommendations on how to proceed based upon findings.

Well #6 Development – Borough of Lavallette, New Jersey: Design engineer for analysis of existing site conditions, design and NJDEP Permit submissions of replacement Well #6, demolition of old Wells #3 and #5, temporary system plans, and all other associated system components. Involved in the coordination with Architectural, Structural, and Electrical disciplines.

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ENGINEERING WITH FOCUS

George Papamakariou, II, PE
Project Engineer

Annual TV & Cleaning of Authority Interceptor System, Phases 2 & 3 – Bayshore Regional Sewerage Authority, Monmouth, New Jersey: Performed TV/Cleaning field inspection videos of existing sewer mains/manholes and determined the condition of the pipe, checking for hydrogen sulfide damage, joint/lateral leaks, tuberculation, infiltration/mineral deposits, and compromised structural integrity. Created tables grading defects for each pipe/manhole, preparing a summary report. Recommendations were made to re-inspect, rehabilitate (grout, line in place), or replace damaged materials. Quantities included 4.21 miles of ACP/DIP/PCCP ranging from 8" to 30" diameter.

Colonial Drive Bridge Replacement – Water Main Relocation – Manchester, New Jersey: Design Engineer for analysis of existing conditions and design of proposed 160 LF water main relocation at the bridge crossing associated with the NB & SB Colonial Drive Bridge Replacement project (plans and specifications). Coordinated with the Van Cleef Structural team for compatibility with bridge design.

Palmer Road Bridge Replacement – Water Main Relocation – Denville, New Jersey: Design Engineer for analysis of existing conditions and design of proposed 154 LF water main relocation at the bridge crossing associated with the Palmer Road Bridge Replacement project (plans & specifications). Coordinated with the Van Cleef Structural team for compatibility with bridge design.

Plot Plan Reviews, Lacey Township, New Jersey: Reviewed Plot Plan applications and supporting documents for new construction/renovations/pool developments for conformance to the Township's Land Use Regulations.

Bay Head Inflow & Infiltration Study – Borough of Bay Head, New Jersey: Preparation of report & field data collection & analysis of complete I & I sewer flow study of the Borough of Bay Head's sanitary sewer main system, inclusive of rain data, daily flow rates, and total infiltration per drainage basin calculations. Construction inspection of sewer meter installation, sewer mapping confirmation, and manhole conditions.

New Jersey Department of Transportation Municipal Aid Program (Roadway Reconstruction & Drainage): Preparation of Municipal Aid applications to obtain State grants for numerous roadway infrastructure projects. Preparation of contract specifications and plans and project construction management and inspection on several of these road improvement projects in the Borough of South Toms River, Lavallette, Island Heights, Seaside Heights, and Lacey Township.

Federal Community Development Block Grants (CDBG): Preparation of CDBG applications to obtain Federal grants for numerous roadway infrastructure projects. Preparation of contract specifications and plans on several of these projects, inclusive of sidewalk & ADA ramp redevelopment, park redevelopment, and utility improvement projects in the Borough of South Toms River, Lavallette, Island Heights, and Seaside Heights.

Planning Board Engineer & Resolution Compliance Reviews, Various Municipalities: Project Engineer providing/assisting Planning Board Engineer and Resolution Compliance Reviews in regards to Land Development and Renovation applications in several Municipalities where VCEA is the Planning Board Engineer. Reviews were primarily based upon Zoning, Land Development, and NJDEP/CAFRA Flood Ordinances in each respective Municipality.

Dune Application Reviews – Borough of Bay Head, New Jersey: Reviewed dune application permits and supporting documents/drawings for new dune structures (platforms and walkways) for conformance to the Borough Ordinance and State CAFRA regulations.

Street Road Opening Permits and Gas Main Renewals – Borough of South Toms River, New Jersey: Reviewed road opening application permits and supporting documents/drawings for proposed utility improvement projects involving the opening of existing roadways and roadway restoration for conformance to the Borough Ordinance. Construction management of roadway restoration inspection services for on-going gas main renewal projects in the Borough.

Van Cleef
ENGINEERING WITH FOCUS

North Boat Ramp Replacement – Borough of Seaside Heights, New Jersey: Design engineer for analysis of existing site conditions and conceptual plan design of proposed North Boat Ramp replacement, inclusive of Ramp design, beach infill/dredging, and grading tie-into existing lot.

PSE&G Utility Improvements MPT Plans – New Jersey (Various Locations): prepared (designed & drafted) Traffic Control & Maintenance & Protection of Traffic plans for various PSE&G utility improvement locations throughout New Jersey in conformance with NJDOT specifications and drawings.

Land Development Drafting – New Jersey (Various Locations): drafted grading plans for several private-sector Land Development projects.

Gotham 1&3 (Commercial Building) – New York City, New York: Construction project management/field engineering of a 1 million square-foot commercial core-in-shell building located in Long Island City, NY. Daily activities throughout the course of the project included the coordination of various contractors, QA/QC, document control, permitting, budgeting, estimates, scheduling, design coordination, contractor procurement, field engineering (i.e. RFI submission), and preliminary submittal review. Directly responsible for Misc. Metal (steel), low-voltage, doors/hardware, and millwork contractors. Assisted project manager in running curtain wall, carpentry, and waterproofing contractors.

City View Tower (Residential Building) – New York City, New York: Construction project management/field engineering of a 1 million square-foot residential building located in Long Island City, NY. Daily activities throughout the course of the project included the coordination of various contractors, QA /QC, document control, permitting, budgeting, estimates, scheduling, design coordination, contractor procurement, field engineering (i.e. RFI submission), and preliminary submittal review.

The HUB (Residential Building) – New York City, New York: Construction project management/field engineering of a 1 million square-foot residential building located in Brooklyn, NY. Daily activities throughout the course of the project included the coordination of various contractors, QA/QC, document control, permitting, budgeting, estimates, scheduling, design coordination, contractor procurement, field engineering (i.e. RFI submission), and preliminary submittal review. Directly responsible for final Contractor Closeout.

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ENGINEERING WITH FOCUS

Julianne Kalksma, EIT

Senior Project Designer

Julianne Kalksma has been working at Van Cleef Engineering as a Project Designer since 2021 and has acquired experience in municipal engineering, water/wastewater engineering, and the planning board review process. Responsibilities have included road design, assisting with well design, preparing grant/loan applications, general drafting, performing flood reviews, reviewing plot plan and variance plan applications, preparing permit plans, and bid review. Prior to her position at Van Cleef Engineering, Julianne was a research assistant for the University of Hawaii monitoring beach erosion.

EDUCATION

University of Hawaii at Manoa – School of Ocean, Earth, Science, and Technology, Honolulu, Hawaii

MS Ocean and Resources Engineering, August 2021

The College of New Jersey - School of Engineering, Ewing, New Jersey - May 2018

B.Sc. Mechanical Engineering

PROJECT EXPERIENCE

Bulkhead Replacement and Shoreline Improvement, Berkeley, New Jersey – Helped prepared concepts for various bulkhead and shoreline improvements.

Boat Ramp, Seaside Heights, New Jersey – Assisted with the design and drafting of permit plans for a boat ramp.

Timber Groin Replacement, Island Heights, New Jersey – Assisted with the design, drafting, and specification preparation of a replacement timber groin in the Toms River.

Well Replacement, Lavallette, New Jersey – Assisted with the design of a replacement water supply well for one of the Borough's existing wells. Coordination with Borough, NJDEP, and New Jersey Infrastructure Bank representatives to take the project from concept to design and bring it through the H2Loans Application process.

NJDOT Municipal Aid Road Design – Preparing NJDOT Municipal Aid applications, designing roads for various municipalities in Ocean County, preparing plans and specifications, and submitting into PMRS.

Flood Reviews, Lacey Township, New Jersey – Reviewing flood applications for new construction and minor construction to be in accordance with local flood design standards.

Plot Plan Reviews, Lacey Township, New Jersey – Reviewing plot plan applications for pool construction, additions, and new construction to be in accordance with Lacey Township's Land Use Regulations.

Planning Board Reviews – Reviewing variance applications and supporting documents for construction projects for a variety of municipalities in Ocean County.

H2LOans/I-Bank Loan Applications – Preparing the environmental/engineering report and loan application for various drinking water and sanitary projects within Ocean County. Carrying projects throughout the entire I-Bank Loan application process.

NJDOT Municipal Aid Applications – Preparing the NJDOT Municipal Aid Grant applications for various municipalities in Ocean County.

Municipal Complex Parking Lot Paving, Island Heights, New Jersey – Helped prepare construction plans for a proposed parking lot mill and overlay project.

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ENGINEERING WITH FOCUS

Julianne Kalksma, EIT
Senior Project Designer

MS4 Permit Applications– Assisted with the preparation of MS4 permit applications and supplemental documents.

Floodplain Management Ordinances – Assisted various municipalities in Ocean County with updating the floodplain management ordinance per NJDEP requirements.

AQUA/Vernon Water Storage Tank, Vernon Township, New Jersey – Assisted with the submittal review process for the installation of an underground water storage tank.

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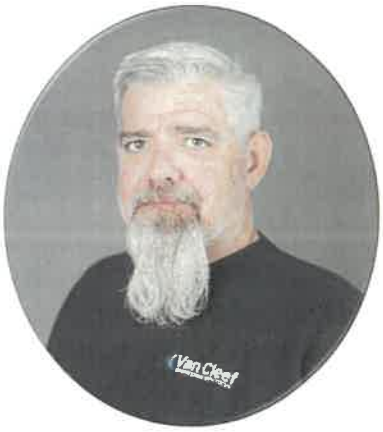

Timothy B. O'Donnell

Senior Construction Observer

Mr. O'Donnell has served as an Inspector and Designer on numerous public projects. His duties have included preparation of contract drawings and specifications and construction inspection of same. Mr. O'Donnell has assisted the Engineering staff in the preparation of reports and applications, clean/CCTV inspection of sewage collection systems and rehabilitation work, review of contract documents and shop drawings, and preparation of as-built drawings.

EDUCATION

Civil Engineering Major, New Jersey Institute of Technology, Newark, NJ

Certified Traffic Control Coordinator

PROJECT EXPERIENCE

Bayshore Regional Sewerage Authority, County of Monmouth: Inspection services for cleaning and televising 12,500 LF of interceptor sewers ranging in size from 24"-60" in diameter.

Lateral Cleanout Construction Phase I and 2, Borough of Seaside Heights: Construction inspection of 1700 service lateral cleanouts as well as TV inspection of approximately 30,000 linear feet of service lateral pipe and various repairs.

Water Distribution System Valve Replacement, Borough of Seaside Heights: Construction Inspection of 42 gate valve installations, ranging in size from 4-inch diameter through 12-inch in diameter in Seaside Heights active water distribution system.

Lateral Cleanout Construction Phases 1, 2 and 3, Jackson Township MUA: Construction inspection of 400-service lateral cleanouts and other various repairs.

Hampshire Hills Pump Station Rehabilitation, Jackson Township MUA: Construction inspection of force main installation. Wet well repair and pump installation.

Stormwater Phase II Permitting Regulations and Stormwater Management Rules: Prepared municipal Stormwater Management Plans for the Boroughs of Seaside Heights, South Toms River, Lavallette and Island Heights.

Oceanside Streets Reconstruction, Borough of Lavallette: Construction inspection of road reconstruction of Oceanside Streets damaged by Super Storm Sandy.

New Jersey Department of Transportation Route 35 Restoration, Borough of Lavallette: Construction inspection of sanitary sewer main installation. Ductile iron pipe water main installation, including pressure testing, gate valve and copper service installation.

Cured-in-Place Sanitary Sewer Main Lining, Borough of Point Pleasant Beach: Construction inspection sanitary sewer main lining including lateral reinstatement.

Sanitary Sewer Evaluation - Phase 1, Borough of Point Pleasant Beach: Inspection services for cleaning and televising approximately 60,000 linear feet of 6"-12" diameter sewer main.

Sanitary Sewer Evaluation - Phase 2, Borough of Point Pleasant Beach: Inspection services for cleaning and televising approximately 82,000 linear feet of 6"-24" diameter sewer main.

Clean and TV Inspection of Sanitary Sewer Collection System, Borough of Seaside Heights: Performed inspection services for cleaning and televising 45,000 feet of TCP ranging in size from 8"-15" in diameter. TV inspection work provided data for determining cost effective sewer system rehabilitation procedures necessary to remove infiltration. Groundwater infiltration accounts for over 50% of the Borough's sewage flow.

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ENGINEERING WITH FOCUS

Timothy B. O'Donnell
Senior Construction Observer

Sanitary Manhole Rehabilitation - Phase 1, Borough of Seaside Heights: Provided inspection services for the rehabilitation of approximately 90 sanitary sewer manholes, including bench and channel reconstruction, installation of new steps, replacement of frames and covers, installation of manhole encapsulation sleeve and cementitious lining of manhole walls and bench.

Sanitary Sewer Infiltration/Inflow Removal, Borough of Lavallette

- Provided Inspection Services for Cured-in-Place (CIP) Service Lateral Repair, Phase 1 & 2: Installation of CIP Liners through a 4" diameter clean-out to seal the laterals transition from 4" diameter to 6" diameter pipe in approximately 90 laterals for Phase 1 and 130 laterals in Phase 2.

- Provided Inspection Services for Clean and TV Sanitary Sewer System: Clean and closed circuit television inspect approximately 1660 services and 69,000 linear feet of sanitary sewer ranging in diameter from 8" to 21"; repaired pipe defects found during TV inspection by chemical grout and CIP repairs.

Sanitary Sewer Evaluation - Phases 1 through 5, Jackson Township Municipal Utilities Authority: Inspection services for cleaning and televising 58,000 ft, 52,500 ft, 51,000 ft, 56,500 ft, and 61,000 ft of 8"-15" diameter sewer mains in each respective phase. Work also included chemically sealing defective joints, CIP point repairs and service lateral inspections.

Sanitary Sewer Evaluation - Phase 6B, Jackson Township Municipal Utilities Authority: Inspection services for repairs of vairous defects found during the Sanitary Sewer Evaluation Program, including approximately 74,819 linear feet of 8-inch, 10-inch, 12-inch, 18-inch, 24-inch, and 30-inch diameter PVC and DIP sanitary sewer.

Sanitary Sewer Evaluation, Borough of Bay Head: Provided inspection services for cleaning and televising 42,000 feet of sanitary sewer pipe ranging in size 8"-15" in diameter. TV inspection work provided data for determining cost effective sanitary sewer rehabilitation.

Recovery Management Systems Pump Station Upgrade, Marlboro Township: Provided construction inspection services for sanitary pump station rehabilitation including grinder structure, new pumps and discharge pipes, valve chamber upgrade.

Reconstruction of East County Line Road Phase III: Provided construction inspection services of stormwater facility construction. Daily coordination with Ocean County Engineering as to progress and utility conflicts.

New Jersey Department of Transportation Municipal Aid Program 2001 – 2023: Preparation of Municipal Aid Grant Applications, design and construction inspection of multiple projects throughout the Boroughs of Lavallette, Seaside Heights, Island Heights, South Toms River and Lacey Township.

Toll Brothers Seabreeze at Lacey Township: Provided inspection services for stormwater facilities, curbing, sidewalk, road construction as well as Certificate of Occupancy inspections for 500 plus house subdivision.

The Lofts at South Toms River Urban Renewal: Provided construction inspection services of site work improvements including stormwater and sanitary sewer installation, concrete curb, sidewalk, and apron construction as well as site paving.

Lake Barnegat Drive and Haines Street Intersection Signalization, Lacey Township: Provided construction inspection of intersection re-alignment including concrete curb, sidewalk and handicap ramp construction, traffic signal and electrical component installation. Road reconstruction and final paving with re-alignment striping.

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ENGINEERING WITH FOCUS

Francesco Iemma

Senior Construction Observer

Mr. Iemma is a design professional who has over two decades of experience in outside plant work, where he has designed components for various fiber-into-the-premises sites, PV installations across the northeast, telecommunications projects and transportation assignments. Along with the design work that these projects have involved, Mr. Iemma has also performed traffic studies, site surveys of existing site conditions, soil borings, site inspections, foundation observations, as-built site walks and basic operations for water management work. Mr. Iemma has also coordinated with various Counties throughout New Jersey, as well as numerous utility companies regarding application submittals and approvals.

WORK EXPERIENCE

September 2021 - Present	**Van Cleef Engineering Associates, LLC** **Senior Construction Observer**
March 2007 – September 2021	**Innovative Engineering / Stantec Consulting** **Engineering Technician / Construction Inspector**
November 2004 – February 2007	**Innovative Engineering / GTS Consulting** **Drafter / Designer**

PROJECT EXPERIENCE

Mr. Iemma is responsible for providing full-time inspection services for multiple municipalities within Ocean County, NJ. Inspection services range in a variety of disciplines including:

- Road improvement projects (new / mill and pave) where he would oversee variable depth milling and paving operations ensuring base work completed properly, proof rolling subbase as specified, placement if new roadways or reconstruction of existing roads, and ensuring delivered material was acceptable and placed according to plan and specifications.

- Storm sewer systems installation and placement completed per plan specifications ensuring trenching was safe, pipe bedding conformed to plan specifications, drainage pipe pitched in the correct direction using a level/smart level, trenches backfilled and compacted in lifts, storm structures placed at proper elevations using laser level with survey benchmarks, storm structures placed on proper base and backfilled properly, ensured all annular spaces sealed properly with brick and mortar.

- Inspection of new curb and sidewalk placement for Seaside Heights – performing a pre-inspection to determine what needs to be removed/replaced once a summons is issued by Seaside Heights code enforcement, then inspect form work to make sure all has proper dimensions / sloped accordingly, placement of concrete and then a final inspection after cured.

- Certificate of occupancy inspections for Lacey Township at both residential and commercial sites – these inspections are to ensure that all exterior improvements are completed per plan specifications and consist of inspecting site grading, site stabilization, drainage, any hardscaping placed and locating utilities.

- Inspection of private development sites. These inspections are a mix of everything listed above as well as delineating limits of work for site clearing, any soil erosion placement, etc.

LICENSES/CERTIFICATIONS

National Institute for Certification in Engineering Technologies (NICET), Level I in Highway Construction Inspectio Certification #152632

Ten-Hour OSHA Hazard Recognition Training for the Construction Industry, Wall Township, NJ, 2017

Certified HMA Construction Technologist #17-2522, NJ Society of Asphalt Technologists Wall Township, NJ, 2017

Traffic control coordinator ID 24 RCNB75SQ8NG

EDUCATION

Associates in Civil/Construction Technology, Ocean County College, Toms River, NJ, 2008

Architectural/Engineering Desig Ocean County Vocational Technical School, Toms River, NJ 2005

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ENGINEERING WITH FOCUS

Francesco Iemma

Senior Construction Observer

2016 Pavement Marking Improvements on Various Roads, Cape May, NJ – Mr. Iemma assisted with the striping plans and the inspections on various County roads, in accordance with the MUTCD's standards. This project involved developing the striping plans for fourteen Cape May County roads.

Cape May County Airport Infrastructure Improvements, Lower Township, NJ – A modern roundabout was designed as a part of the reconstruction of Hornet Road, in addition to other landside infrastructure improvements that were proposed within the expansion of the light industrial park. The roundabout has been designed following the NCHRP Report 672. The design work also involved revisions to the intersection and the traffic signal at Lexington Avenue and Breakwater Road. All of the improvements will be ADA-compliant, and Hornet Road will also be bicycle-compatible. Also designed were stormwater facilities, water mains and sewer mains.

2018-2021 License to Cross – Mr. Iemma was responsible for providing part-time inspection services for the NJTA's roadway utility crossings. The utilities that cross these roadways include aerial fiber optic cables, bridge-suspended electrical conduits, drilled water mains and directional drilled gas mains. He has also served as an on-site representative of the Authority in order to protect the NJTA's interests during the utility contractor's installations.

2018 ADA-Compliant Site Improvements – Mr. Iemma served as the On-Site Representative who was responsible for the construction inspection services for the client while the construction work for exterior ADA remediation improvements was being performed. He ensured that all of the work was being performed in accordance with the construction documents and the specifications, as required, in order to meet or exceed the client's quality expectations. He also helped to ensure that the contractor's work was being performed safely and in a manner that minimized disturbances to the branch operations. This was crucially important during the branch's operating hours, since employees and clientele were occupying the buildings and using the driveways/parking areas.

Another primary responsibility of Mr. Iemma's involved ensuring that the formwork was installed appropriately in order to achieve the required dimensions and slopes prior to the concrete placement, and confirming that the finished work was installed in accordance with the construction documents and the ADA slope/spatial tolerances. His inspection services also involved documenting the work that was performed and distributing the inspection reports on a daily basis, within twenty-four hours of their completion.

Verizon Wireless, Various Municipalities, NJ – Mr. Iemma attended site visits with representatives of Verizon Wireless and property owners in order to determine the wireless compound designs and locations, along with the routing of the electric. He also designed/ drafted the lease exhibits, the zoning drawings and the construction drawings. Likewise, he performed the balloon tests, created the photo simulations and coordinated with the gas/electric companies.

Pump Station Operations, Holmdel, NJ – Mr. Iemma performed independent field work and provided assistance so that he could work independently in performing visual inspections; checking that the chemical levels were within range; examining the pump hours and the totalizer; recording the information that was used for reporting purposes; and inspecting the grinder in order to ensure clear, clean baskets.

Monmouth & Atlantic City Service Area Pump Stations – Mr. Iemma was responsible for providing full-time inspection services for the NJTA's service area pump stations from demolition stage to a completely operating sanitary pump station.

NJTA Toll Plaza Rehab – Treadle & Curb Box Repair/Replacement – Mr. Iemma was responsible for providing full-time inspection services for the NJTA along the turnpike and parkway. He ensured that all of the work was being performed in accordance with the construction documents and the specifications, as required, in order to meet or exceed the client's quality expectations. He also helped to ensure that the contractor's work was being performed safely and in a manner that minimized disturbances to the toll plaza and passing by vehicles.

Van Cleef
ENGINEERING WITH FOCUS

Stephen L. McCutcheon

Senior Construction Observer

Mr. McCutcheon has over 40 years of consistent, progressive constructive management and inspection experience within both private and municipal roadway/utility projects as well as excavation and historical restoration/preservation. He is an NJSAT Certified Asphalt Paving Construction Technologist, and a member of the American Concrete Institute, New Jersey Chapter. Mr. McCutcheon has exceptional qualifications in strategic planning with comprehensive knowledge of management, strong organizational attributes, and project execution.

EDUCATION

Ocean County College, Toms River, NJ, Civil Engineering and Industrial Psychology Courses

Amtrak Sponsored - Safety Training
Bachtel International – Radiological Safety Training

MILITARY

1968 to 1972, US NAVY
Served with 7th Fleet
Amphibious Forces Vietnam

WORK EXPERIENCE

June 2022-Present — **Van Cleef Engineering Associates, LLC**
Senior Construction Observer

2012 to June 2022 — **MASER CONSULTING, P.A., Red Bank, NJ 07701**
SENIOR PROJECT MANAGER

- Project management and construction inspection on projects including private, municipal and NJDOT.
- Compiled work estimates for change orders.
- Extensive use of Word and Excel programs as well as email correspondence.
- Use of digital photography on a daily basis.
- Attended three-day course for the New Jersey Society of Asphalt Technologists and received certification as an Asphalt Paving Construction Technologist as of 1/1/12.
- My inspection services were specifically requested by the NJDOT and Maser was recommended by NJDOT based on my knowledge and performance.
- Inspected large scale milling and paving operations in various locations.

2007 to 2011 — **O'DONNELL, STANTON & ASSOCIATES, Toms River, NJ**
CONSTRUCTION INSPECTOR

Requested a leave of absence from Maser Consulting in 2013 so that I could be the Chief inspector on the reconstruction of the Seaside Heights boardwalk following super storm Sandy. Replaced 14 blocks of new piling and boardwalk.

- Inspected roadway, utility, television/cleaning and investigative sanitary sewer projects on various projects throughout Ocean County. Clients include Lacey Township, Jackson Township, Seaside Park, Lavallette, South Toms River, Point Pleasant Beach and Island Heights.
- Provided daily documentation and project oversight and compiled quantities for monthly estimates.
- Interfaced with local and state agencies starting from the pre-construction phase to final project close out.

2003 to 2007 — **ALPHA CORPORATION, Dulles, Virginia**
CONSTRUCTION MANAGER, Department of the Interior, National Park Service, Edison National Historic Site, West Orange, NJ

- Interacted closely with architects and engineers
- Oversaw installation of heating, ventilation, cooling, fire alarm, roof drain collection drainage and fire suppression water main installation and testing to government specifications
- Prepared government cost and construction estimates
- Provided interior office/visitor renovations to the Edison Laboratory Complex built in 1888
- Insured extreme compliance with fire safety measures during on-site welding/cutting
- Managed restoration and improvement projects at Grey Towers National Historic Site in Milford, PA and Washington's Headquarters National Historic Site in Morristown, NJ

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ENGINEERING WITH FOCUS

Stephen L. McCutcheon
Senior Construction Observer

Gateway National Recreation Area, Sandy Hook Unit, Sandy Hook, NJ
- Constructed 5.2 miles of asphalt multi-use pathway on archeologically and environmentally sensitive site
- Complied with and submitted government estimates and followed up with Denver Service Center when changes required
- Managed upgrades to the sanitary sewer treatment system and the construction of new water supply system booster pump station

2000 to 2002 **STAVOLA CONTRACTING COMPANY, Tinton Falls, New Jersey**
PROJECT SUPERINTENDENT/PROJECT MANAGER
- Supervised all phases of local, private and NJDOT construction projects including resurfacing Route 18, Monmouth County. Various projects also included road, utility, curbs, sidewalk construction, reconstruction/storm drain installation and milling and paving
- Coordinated utility, milling and paving crews, prepared monthly payment estimates, change orders and cost estimates
- Supervised and coordinated snow removal operations for the Centra State Hospital
- Studied advanced asphalt manufacture and applications including NJDOT "Superpave" material and specifications.

1998 to 2000 **T & M ASSOCIATES, Middletown, New Jersey**
SENIOR INSPECTOR
- Responsible for quality assurance, progress meetings, quantity verification and coordination with owner and contractor
- Developed sketches for field modifications for installation of sewer line
- Inspected installation and testing of sewer and water mains

1989 to 1998 HARRIS BROTHERS CONSTRUCTION, Belmar, New Jersey – **PROJECT SUPERINTENDENT**
1984 to 1989 AVP CONTRACTING COMPANY, Brick, New Jersey – **PROJECT SUPERINTENDENT**
1979 to 1984 CONTI CONSTRUCTION COMPANY, South Plainfield, New Jersey –**ASST. SUPERINTENDENT**

- Supervised dredging and restoration of the 19th century Delaware and Raritan Canal & towpath
- Supervised radiological soil removal for NJDEP

1973 to 1979 FELLOW, READ AND WEBER, INC, Toms River, New Jersey – **CHIEF INSPECTOR**

Van Cleef
ENGINEERING WITH FOCUS

Irene K. Battaglia, PE
Professional Engineer

Ms. Battaglia has a diverse background in municipal engineering and local government administration. Having served multiple terms on her town's Planning Board and Council, including two years as Council President, her experience bridges engineering and municipal management. Her expertise lies in regulatory compliance, land use analysis, and municipal engineering. Her past engineering work at the Wisconsin DOT includes oversight for the state's experimental pavement research program, and management of pavement warranty specifications for asphalt and concrete pavement performance.

REPRESENTATIVE PROJECTS

Stormwater Management Permit Compliance
- Manage NJDEP Tier A and Tier B municipal stormwater permitting programs.
- Prepare and revise municipal stormwater control ordinances to maintain compliance with State regulations.
- Develop Municipal Stormwater Pollution Prevention Plans, Municipal Stormwater Management Plans, and Watershed Inventory Plans.
- Coordinate with private stormwater management facility owners to confirm maintenance and rehabilitation reporting.
- Prepare grant applications for program enforcement funding assistance.

Asset Management Plan Development – Water Supply and Wastewater Treatment
- Inventory utility infrastructure assets to create comprehensive system-wide database.
- Review asset condition and utilize EPA and Federal database software to calculate risk and failure potential within the system.
- Recommend repair and rehabilitation programs.
- Project future investment needs to assist with utility budgeting development and planning.
- Develop GIS asset mapping deliverables.

Freshwater Lake Dredging
- Plan and manage large-scale municipal lake dredging projects to enhance water quality and restore recreational value.
- Prepare plans and specifications, communicate with contractors, coordinate bid openings and review responsive submissions.
- Develop project timeline to ensure compliance with State and Federal permitting requirements.
- Prepare submissions for State and County regulatory agencies, including NJDEP and soil conservation district.
- Communicate with residents regarding sensitive construction issues.

Municipal Road Improvement Programs
- Construction plan development for low- and medium-volume road resurfacing and reconstruction projects.
- Conduct field analyses of local and residential pavements to inventory distress.
- Recommend repair and rehabilitation schedules, estimate design and construction costs.
- ADA design compliance.
- Prepare and execute requests for quotations, and specifications for public bids.

LICENSES/CERTIFICATION
Licensed Professional Engineer
NJ #24GE06117900

EDUCATION
M.S., Civil and Environmental Engineering, University of Wisconsin-Madison, 2006

B.S., Civil Engineering, Lehigh University, Bethlehem PA, 2004

PUBLICATIONS
"Proposed Behavioral Model for Deicer Scaling Resistance of Slag Cement Concrete," American Society of Civil Engineers, Journal of Materials in Civil Engineering, Vol. 22, Issue 4, April 2010 (co-authors Munoz, J.F., and Cramer, S.M.)

"Pavement Warranty Program in Wisconsin: 12-Year Evaluation," Wisconsin DOT, Report number WI-03-09, June 2009.

"Evaluation of Various Hot Mix Asphalt Pavement Thicknesses over Rubblized Concrete Pavement," Wisconsin DOT, Report number FEP-07-10, July 2010.

"Dowel Bar Retrofit Performance in Wisconsin," Wisconsin DOT, Report number WI-02-10, May 2010.

Van Cleef
ENGINEERING WITH FOCUS

Irene K. Battaglia, PE
Professional Engineer

Municipal Parks and Recreation
- Develop design plans and specifications for recreational resources including volleyball, basketball, and pickleball courts.
- Prepare bicycle path and "share-the-road" feasibility studies.

Municipal Infrastructure Loan and Financing Programs
- Prepare engineering applications for USDA Rural Development and NJ Infrastructure Trust financing.
- Manage online application and submission platforms, including utilization of the State's H2Loans online program.

Planning and Zoning Board Engineering Support
- Review development applications for completeness, technical standards compliance, and local ordinance and zoning regulation conformance.
- Applications include Major Development, subdivision, lot line adjustment, stormwater management design, septic installation, construction, Historic Preservation, and variance relief.
- Review applications for compliance with State regulatory agency rules, including NJDEP Water Quality and Stormwater Control, and the Highlands Council Planning and Preservation Areas.

CONFERENCE PRESENTATIONS

Association of Environmental Authorities, Nov. 17, 2021. "21st Century Asset Management Plan Development".

New Jersey Water Environment Association Fall Technology Transfer Seminar, Oct. 26, 2021. "21st Century Asset Management Plan Development".

PREVIOUS EXPERIENCE

Rocky Hill Borough Councilperson (elected position) **2018 to 2022**
Council President
Chair, Finance Committee: Led annual budget workshop, developed future fiscal strategy, communicated budget appropriations to Community.
Chair, Water, Sewer & Environment Committee: Led investigation of stormwater infiltration into sanitary sewer system, prioritized solutions to address more stringent NJDEP drinking water regulations, led effort to reassess utility connection permitting and fee structure, evaluated necessary capital improvements for water and sewer utility infrastructure.
Affordable Housing: Council representative for case management of Borough's builder's remedy lawsuit. Successfully finalized negotiations.

Planning and Zoning Board Member (appointed position) **2015 to 2022**
Master Plan re-examination report contributor and editor. Created online survey to generate public feedback about planning-related issues in the Borough. Researched and developed cottage housing as an innovative solution to the Borough's third round affordable housing requirements. Council liaison and Historic Review Subcommittee member.

Engineering Research Consultant **2009 to 2012**
Analyzed field observations and performance data to assess long-term performance of experimental highway pavement test sections under evaluation by the Wisconsin DOT research program. Topics included: Full depth shoulders, partial depth repair of concrete pavement, rubblized pavement overlays, dowel bar retrofit, and corrosion-resistant dowel bars. Finalized a number of highway pavement research studies, thus satisfying state and federal research funding requirements. Fulfilled three private contracts with the Construction and Materials Support Center at the University of Wisconsin-Madison.

Pavement Research and Warranty Engineer **2006 to 2009**
Wisconsin Department of Transportation
Managed state-wide HMA and PCC pavement warranty program and specifications. Composed, edited and distributed research project reports for in-service pavement test sections to evaluate innovative construction materials and methods. Technical representative for the Wisconsin Highway Research Program, and other regional, national and university research boards and best practices committees.

Graduate Research Assistant **2004 to 2006**
University of Wisconsin-Madison
Executed a large-scale laboratory research project for the Wisconsin DOT evaluating the use of slag cement in concrete highway pavement. Supervised an undergraduate laboratory assistant.

Volunteer Work
Fanfare for Music, President of the Board, 2023 to present
Rocky Hill Cooperative Nursery School, Vice President of the Board, 2016 to 2018

Van Cleef
ENGINEERING WITH FOCUS

Mason Herrman, GISP

Geospatial Manager

Mason Herrman has been working at Van Cleef Engineering Associates as a Senior Geospatial Analyst for 4 years. In that time, he has provided GIS support for 78 municipalities as well as a multitude of private clients throughout New Jersey and Pennsylvania. Mr. Herrman's expertise in GIS has been a keystone in Van Cleef Engineering Associates' Professional Planning department; providing spatial analysis, mapping, and statistics for every municipality Van Cleef offers planning services to. These projects include, Master Plan Reexamination Reports, Hazard Vulnerability Plans, Area in Need of Redevelopment Plans, Highlands Assessments, etc. Mason and his team also received American Planning Association (NJ) 2020 Outstanding Plan Award for their Circulation Plan – Bike and Pedestrian Safety.

One of Mr. Herrman's greatest contributions through GIS has been in the Utility Asset Management Sector. He specializes in mapping and managing utility systems through GIS including, MS4 Stormwater, Sanitary Sewer, Water Utility, and Road Improvement. He is a graduate of Rutgers, The State University of New Jersey with a Bachelor of Science degree in Ecology, Evolution, and Natural Resources and Certification in Environmental Geomatics (GIS). With over 10 years of experience working in a variety of ecological/wildlife conservation settings, Mr. Herrman has not only brought the service of GIS to Van Cleef, but continues to push the capabilities of GIS technology while operating with mindfulness of our environment and ecosystems.

WORK EXPERIENCE

Seaside Heights Build Out Analysis and Hazard Vulnerability Plan: Responsible for the research, planning, and execution of all stages of GIS work for this multi-tier spatial analysis and report. From the buildout analysis which determines where suitable areas for development still exist within the municipality to the newly legislated Hazard Vulnerability plan. The Hazard Vulnerability plan takes into consideration present-development, infrastructure, demographics, and environmental data, etc. to extrapolate the effects of Climate change and create a plan to increase coastal community resiliency. This project was completed in conjunction with Van Cleef Engineering Associate's planning department.

EDUCATION

Bachelor of Science, School of Environmental and Biological Sciences, Rutgers, The State University of New Jersey - May, 2018

Associate of Science, Warren County Community College - May, 2016

ADDITIONAL TRAINING

Project WET teaching certificate: (Education that promotes awareness of water and empowers community action to solve complex hydrologic issues).

Project Learning Tree certificate: (Workshop that helps educators integrate environmental education in outdoor settings, to teach students about the importance of sustainable forestry).

Clinton Sanitary Sewer Asset Management Plan: Responsible for analyzing multiple aspects of the Clinton Sewer Department's collection and conveyance system, and developed a comprehensive AMP report for the Town to reference as it plans for future rehabilitation projects. The scope of work included an inventory and condition assessment of network assets, a system-wide risk and criticality analysis utilizing EPA asset management planning software, development of seven year recommended rehabilitation program, and budget forecasting for near- and long-term asset renewal and system monitoring strategies. A standout of the deliverables provided to the Town included comprehensive interactive web-map application and supporting documents developed on ArcGIS Online and ArcMap Desktop. The results of this study are already being used to apply for federal funding under the anticipated infrastructure improvement bill.

Van Cleef
ENGINEERING WITH FOCUS

Mason Herrman, GISP

Geospatial Manager

Wharton Stormwater Drainage Study, Borough of Wharton, Morris County, NJ: Responsible for acquisition of field data which includes obtaining geospatial and attribute characteristics of existing features using a Trimble Geo7x GNSS. Over the course of this project 850 stormwater structures have been located and collected which includes Basins, Inlets, Manholes, and Outfalls throughout the Borough of Wharton. Additional responsibilities include post-processing collected data in GPS Pathfinder Office, and analysis/mapping using ArcMap. Data was collected and submitted using NJDEP MS4 stormwater collection standards.

Raritan Borough Circulation Plan Study, Borough of Raritan, Somerset County, NJ: Responsible for the analysis and creation of maps using ArcGIS to enhance project proposal and project presentation capabilities. This project was awarded 2020 Outstanding Plan Award by the American Planning Association – New Jersey Chapter (APA – NJ) for a comprehensive plan that support safe passage, connectivity and sustainability.

Manville Redevelopment and Rehabilitation Study, Borough of Manville, Somerset County, NJ: Responsible for the analysis and creation of maps using ArcGIS to enhance project proposal and project presentation capabilities. Maps created include: Study Area Map, Existing Land Uses Map, Flood Risk Map, Census Map, and Change in Population Map.

Manville Neighborhood Preservation Program Study, Borough of Manville, Somerset County, NJ: Responsible for the analysis and creation of maps using ArcGIS to enhance project proposal and project presentation capabilities. Research and development of geospatial data layers using existing tabular information to create needed maps. Maps created include: Community Assets Map, Open Space & Recreational Land Maps, Green & Blue Acres Maps, and Zoning Maps.

Wetland Stakeout, Raritan Township, Hunterdon County, NJ: Responsible for locating and staking wetlands flags along riparian zone to indicate wetland areas. Data was processed and mapped for future use in the project.

Phillipsburg Land Use Plan Study, Town of Phillipsburg, Warren County, NJ: Responsible for the analysis and creation of maps using ArcGIS to enhance project proposal and project presentation capabilities. Maps created for this project include: Study Area Map, Land Use & Open Space Map, Present Zoning Map, Proposed Zoning Changes Map, Main Street Rehabilitation Map, and Developable Lands Suitability Analysis & Map.

List of Professionally completed GIS projects:

- MS4 Storm water / Drainage Studies
- Sanitary Sewer Studies
- Asset Management Planning
- Redevelopment Studies
- Neighborhood Preservation Program Studies
- Rehabilitation Studies
- Wetland Stakeouts
- Land Use Plan Studies
- Circulation Plan Studies
- Road Projects
- Interactive Web Map Application Design and Management
- Impermeable Surface Change Analyses
- Developable Suitability Analyses
- Municipal Zoning
- Municipal / Government Tax Maps
- Capacity Analyses
- Historic Preservation Projects
- Green Acres Projects
- Blue Acres Projects
- Flood Plain Analysis
- Tree Inventory / Forestry
- Solar Field Suitability Analyses
- Lead Pipe Study
- Subdivision Mapping
- Traffic Calming Analyses
- Municipal Sign Inventory
- Hazard Suitability Analyses
- Evacuation Route Planning / Mapping
- Climate Change Driven Sea Level Rise Analyses

SECTION 4. REQUIRED FORMS & CERTIFICATES

FEE SCHEDULE

Van Cleef believes that working on an hourly basis allows our clients to compensate us for only the work that they request. Van Cleef provides detailed invoicing of time spent on each project that is forwarded to the municipality for payment. Where the project has a definite timeline and specific task, such as a Capital Project, a fee (lump sum or budget) will be developed, and the billing will not exceed that agreed upon amount without prior authorization.

The individuals who potentially will be assigned to work with the Authority will be charged at the billing titles and rates outlined in the attached proposed 2025 Rate Schedule.

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

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: Van Cleef Engineering Associates, LLC

Organization Address: 32 Brower Lane, Hillsborough, NJ 08844

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
Neil I Van Cleef	1574 Millstone River Rd, Hillsborough, NJ 08844
Samuel D Costanzo	545 E. State St., Doylestown, PA 18901
Cynthia V Norfleet	1570 Millstone River Rd, Hillsborough, NJ 08844

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
Neil I Van Cleef	1574 Millstone River Rd, Hillsborough, NJ 08844
Samuel D Costanzo	545 E. State St., Doylestown, PA 18901
Cynthia V Norfleet	1570 Millstone River Rd, Hillsborough, NJ 08844

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):	Cynthia V Norfleet	Title:	Managing Member & CEO
Signature:	Cynthia V Norfleet	Date:	January 28, 2025

MORRIS COUNTY MUA

Non-Collusion Affidavit

STATE OF NEW JERSEY
MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY ss:

I certify that I am Cynthia V Norfleet, Managing Member & CEO

of the firm of Van Cleef Engineering Associates, LLC

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: Cynthia V Norfleet

Subscribed and sworn to before me this 28th day of January, 2025

Print Name of Affiant: Kristen M. Macholtz, Notary

Kristen M. Macholtz

Notary Public of New Jersey

My commission expires February 26, 2028

Embossed Hereon Is My
State Of New Jersey Notary Public Seal
My Commission Expires February 26, 2028
KRISTEN M. MACHOLTZ

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/Offeror: Van Cleef Engineering Associates, LLC

☑ 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/Offeror: _____

Description of Activities: _____

Duration of Engagement: _____ Anticipated Cessation Date: _____

Bidder/Offeror 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): Cynthia V Norfleet Signature: Cynthia V Norfleet

Title: Managing Member & CEO Date: January 28, 2025

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.)

Cynthia V Norfleet — Signature of Vendor's Authorized Representative

January 28, 2025 — Date

Cynthia V Norfleet, Managing Member & CEO — Print Name and Title of Vendor's Authorized Representative

22-2939230 — Vendor's FEIN

Van Cleef Engineering Associates, LLC — Vendor's Name

908-359-8291 — Vendor's Phone Number

32 Brower Lane — Vendor's Address (Street Address)

908-359-1580 — Vendor's Fax Number

Hillsborough, NJ 08844 — Vendor's Address (City/State/Zip Code)

cnorfleet@vancleefengineering.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

Affidavit of Non-Debarred Status

AFFIDAVIT OF NON-DEBARRED STATUS

STATE OF NEW JERSEY)
) SS:
COUNTY OF Somerset)

I, Cynthia V Norfleet of the City/Town of Hillsborough, in the County of Somerset and the State of New Jersey, of full age, being duly sworn according to law on my oath depose and say that:

I am Cynthia V Norfleet (*Name*), a Managing Member & CEO (*Title, Position, etc.*)

of Van Cleef Engineering Associates, LLC (*Name of Firm, Company or Corporation*), the Bidder making the Bid for the Morris County Municipal Utilities Authority and that I executed the said Bid with full authority so to do; that said Bidder at the time of making this Bid is not included on the State of New Jersey, State Treasurer's List of Debarred, Suspended and Disqualified Bidders; and all statements contained in said Bid and in this affidavit are true and correct and made with the full knowledge that the Morris County Municipal Utilities Authority relies upon the truth of the statements contained in said Bid and in the Statements contained in this affidavit in awarding Contract for said project.

The undersigned further warrants that should the name of the firm, company or corporation making this Bid appear on the State Treasurer's List of Debarred, Suspended and Disqualified Bidders at anytime prior to, and during the life of the Contract, including the Guarantee Period, that the Morris County Municipal Utilities Authority shall be immediately so notified by the signatory to this Eligibility Affidavit.

The undersigned understands that the firm, company or corporation making the Bid as a CONTRACTOR is subject to debarment, suspension and/or disqualification in contracting with the State of New Jersey and the Department of Environmental Protection if the CONTRACTOR, pursuant to NJAC 7:1-5.2, commits any of the acts listed therein, and as determined according to applicable law and regulation.

Cynthia V Norfleet
(Signature of Bidder)

Cynthia V Norfleet, Managing Member & CEO
(Printed or Typed Name & Title of Bidder)

(Seal if Corporation)

1570 Millstone River Rd, Hillsborough, NJ 08844
(Address of Bidder)

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.JA.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: Van Cleef Engineering Associates, LLC

Representative's Name (print): Cynthia V Norfleet, Managing Member & CEO

Representative's Signature: Cynthia V Norfleet

Date: January 28, 2025 **Phone:** 908-359-8291

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. l7:27-5.2.

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: Van Cleef Engineering Associates, LLC

Representative's Name (print): Cynthia V Norfleet, Managing Member & CEO

Representative's Signature: Cynthia V Norfleet

Date: January 28, 2025

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 thereunto, 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 frill 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): Van Cleef Engineering Associates, LLC

Representative's Name (Print): Cynthia V Norfleet

Representative's Title: Managing Member & CEO

Representative's Signature: Cynthia V Norfleet

Phone: 908-359-8291 **Date:** January 28, 2025

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): Van Cleef Engineering Associates, LLC

Representative's Name (Print): Cynthia V Norfleet

Representative's Title: Managing Member & CEO

Representative's Signature: Cynthia V Norfleet

Phone: 908-359-8291 **Date:** January 28, 2025

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 CN

Certification3288

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-JUN-2023 to 15-JUN-2026

VAN CLEEF ENGINEERING ASSOC.
32 BROWER LANE, PO BOX 5877
HILLSBOROUGH NJ 08844

ELIZABETH MAHER MUOIO
State Treasurer

Form **W-9**
(Rev. March 2024)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Go to *www.irs.gov/FormW9* for instructions and the latest information.

Give form to the requester. Do not send to the IRS.

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

Print or type. See *Specific Instructions* on page 3.

1 Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.)

VAN CLEEF ENGINEERING ASSOCIATES LLC

2 Business name/disregarded entity name, if different from above.

3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only **one** of the following seven boxes.

☐ Individual/sole proprietor ☐ C corporation ☐ S corporation ☐ Partnership ☐ Trust/estate

☑ LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) . . . . S

Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) _____

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) N/A

Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) N/A

(Applies to accounts maintained outside the United States.)

3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions . . . . . ☐

5 Address (number, street, and apt. or suite no.). See instructions.

32 BROWER LANE

6 City, state, and ZIP code

HILLSBOROUGH, NJ 08844

Requester's name and address (optional)

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 instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

			–			–				

or

Employer identification number

2	2	–	2	9	3	9	2	3	0

Part II Certification

Under penalties of perjury, I certify that:

1. 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
2. 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
3. I am a U.S. citizen or other U.S. person (defined below); and
4. 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 for Part II, later.

Sign Here | **Signature of U.S. person** Jesudha Sithersingh | **Date** 01/02/2025

General Instructions

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

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www.irs.gov/FormW9*.

What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they

01/31/19

Taxpayer Identification# **222-939-230/000**

Dear Business Representative:

Congratulations! You are now registered with the New Jersey Division of Revenue.

Use the Taxpayer Identification Number listed above on all correspondence with the Divisions of Revenue and Taxation, as well as with the Department of Labor (if the business is subject to unemployment withholdings). Your tax returns and payments will be filed under this number, and you will be able to access information about your account by referencing it.

Additionally, please note that State law requires all contractors and subcontractors with Public agencies to provide proof of their registration with the Division of Revenue. The law also amended Section 92 of the Casino Control Act, which deals with the casino service industry.

We have attached a Proof of Registration Certificate for your use. To comply with the law, if you are currently under contract or entering into a contract with a State agency, you must provide a copy of the certificate to the contracting agency.

If you have any questions or require more information, feel free to call our Registration Hotline at (609)292-9292.

I wish you continued success in your business endeavors.

Sincerely,

James J. Fruscione

James J. Fruscione
Director
New Jersey Division of Revenue

STATE OF NEW JERSEY

BUSINESS REGISTRATION CERTIFICATE

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

TAXPAYER NAME:

VAN CLEEF ENGINEERING ASSOCIATES LL

TRADE NAME:

ADDRESS:

32 BROWER LANE
HILLSBOROUGH NJ 08844-1270

SEQUENCE NUMBER:

1491848

EFFECTIVE DATE:

06/08/09

ISSUANCE DATE:

01/31/19

James J. Fruscione

Director
New Jersey Division of Revenue

FORM-BRC
(04-08), D205846V

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

VANCLEE-01 HLAEM1

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 11/18/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
The Secret Insurance Agency LLC
409 Minnisink Road
Suite 104
Totowa, NJ 07512

CONTACT NAME:
PHONE (A/C, No, Ext): (973) 812-7327 FAX (A/C, No): (973) 200-0052
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Selective Insurance Company of America	12572
INSURER B : Selective Way Insurance Company	26301
INSURER C : Continental Insurance Company of New Jersey	46265
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Van Cleef Engineering Associates, LLC
32 Brower Lane
Hillsborough, NJ 08844

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE 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 POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	X COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$	1,000,000
	CLAIMS-MADE X OCCUR			S 2387965	5/1/2024	5/1/2025	DAMAGE TO RENTED PREMISES (Ea occurrence)	$	500,000
							MED EXP (Any one person)	$	15,000
							PERSONAL & ADV INJURY	$	1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$	2,000,000
	POLICY X PRO-JECT X LOC						PRODUCTS - COMP/OP AGG	$	2,000,000
	OTHER:							$	
A	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$	1,000,000
	X ANY AUTO			S 2387965	5/1/2024	5/1/2025	BODILY INJURY (Per person)	$	
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$	
	HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$	
								$	
A	X UMBRELLA LIAB X OCCUR			S 2387965	5/1/2024	5/1/2025	EACH OCCURRENCE	$	10,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$	10,000,000
	DED RETENTION $							$	
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N		N/A	WC 9068030	5/1/2024	5/1/2025	X PER STATUTE OTH-ER		
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)						E.L. EACH ACCIDENT	$	1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$	1,000,000
							E.L. DISEASE - POLICY LIMIT	$	1,000,000
C	Professional Liabili			AEH008222898	5/1/2024	5/1/2025	EachClaim/Aggregate		5,000,000
C	Pollution policy			AEH008222898	5/1/2024	5/1/2025	EachClaim/Aggregate		5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Sample of Insurance

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
Stanley W. Hladik

State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs

THIS IS TO CERTIFY THAT THE
Board of Prof. Engineers & Land Surveyors

HAS CERTIFIED

VAN CLEEF ENGINEERING ASSOCIATES, LLC
CORNELIUS VANCLEEF
32 BROWER LANE
Hillsborough NJ 08844-1270

FOR PRACTICE IN NEW JERSEY AS A(N): Certificate of Authorization

Engineering & Land Surveying

09/23/2024 TO 08/31/2026
VALID

24GA28132300
LICENSE/REGISTRATION/CERTIFICATION #

Signature of Licensee/Registrant/Certificate Holder

Cari Fais
ACTING DIRECTOR

New Jersey Office of the Attorney General
Division of Consumer Affairs
THIS IS TO CERTIFY THAT THE
Board of Prof. Engineers & Land Surveyors
HAS CERTIFIED
VAN CLEEF ENGINEERING ASSOCIATES, LLC
Certificate of Authorization
Engineering & Land Surveying
09/23/2024 TO 08/31/2026
VALID
24GA28132300
License/Registration/Certificate #
SIGNATURE
Cari Fais
ACTING DIRECTOR

PLEASE DETACH HERE

IF YOUR LICENSE/REGISTRATION/ CERTIFICATE ID CARD IS LOST PLEASE NOTIFY:
Board of Prof. Engineers & Land S
P.O. Box 45015
Newark, NJ 07101

PLEASE DETACH HERE

VAN CLEEF ENGINEERING ASSOCIATES, LLC EXPIRATION DATE **2026**

YOUR LICENSE/REGISTRATION/CERTIFICATE NUMBER IS **24GA 28132300** . PLEASE USE IT IN ALL CORRESPONDENCE TO THE DIVISION OF CONSUMER AFFAIRS. USE THIS SECTION TO REPORT ADDRESS CHANGES. YOU ARE REQUIRED TO REPORT ANY ADDRESS CHANGES IMMEDIATELY TO THE ADDRESS NOTED BELOW.

Board of Prof. Engineers & Land Surveyors
P.O. Box 45015
Newark, NJ 07101

PRINT YOUR NEW **ADDRESS OF RECORD** BELOW.
YOUR ADDRESS OF RECORD IS THE ADDRESS THAT WILL PRINT ON YOUR LICENSE/REGISTRATION/CERTIFICATE AND IT MAY BE MADE AVAILABLE TO THE PUBLIC.

HOME ☐
BUSINESS ☐

TELEPHONE
INCLUDE AREA CODE

PRINT YOUR NEW **MAILING ADDRESS** BELOW.
YOUR MAILING ADDRESS IS THE ADDRESS THAT WILL BE USED BY THE DIVISION OF CONSUMER AFFAIRS TO SEND YOU ALL CORRESPONDENCE.

HOME ☐
BUSINESS ☐

TELEPHONE
INCLUDE AREA CODE

If the law governing your profession requires the current license/registration/certificate to be displayed, it should be within reasonable proximity of your original license/registration/certificate at your principal office or place of business.