



ENGINEERING
WITH **FOCUS**

TOWN OF BOONTON , NJ



RESPONSE TO THE REQUEST FOR 2025 PROFESSIONAL
SERVICES PROPOSALS FOR
GENERAL ENGINEERING SERVICES, RFP #04-2025

June 24, 2025



www.vancleefengineering.com



SECTION 1. INTRODUCTION

- Submission Letter
- Firm Profile, WBE Certification, Overview, Offices & Partners
- Executive Summary
- Summary of Qualifications

SECTION 2. REPRESENTATIVE CLIENTS, PROJECT EXPERIENCE & REFERENCES

- Representative Clients
- Relevant Project Experience
- References

SECTION 3. STAFF QUALIFICATIONS

- Summary of Key Staff
- Team Resumes and Qualifications

SECTION 4. REQUIRED FORMS AND CERTIFICATES

- Fee Schedule
- Required Signed Business Documents

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June 24, 2025

Neil Henry, Town Administrator, QPA, Town of Boonton
100 Washington Street
Boonton, NJ 07005

RE: RFP #04-2025 Professional Services RFP – General Engineering Services

Dear Mr. Henry,

We are writing in response to the Town's Request for Qualifications for the Provision of General Engineering Services. We would like to offer the services of our firm in consideration for this position.

As a multi-disciplined firm of engineers, landscape architects, certified inspectors and land surveyors, Van Cleef provides expertise in all of the major areas of sanitary and civil engineering and land surveying. Our firm has over 225 employees in nine (9) regional offices strategically located throughout New Jersey and eastern Pennsylvania, including the nearby Mt. Arlington, NJ office. We are focused on building long-term client 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.

Van Cleef has served municipal and county governments with a broad spectrum of engineering and surveying services for over 50 years. More specifically, senior staff have been successfully providing these services to local municipalities for more than thirty years. We believe the length of our appointments demonstrate both our commitment to each of our clients as well as their satisfaction with our services. We encourage you to contact any of our municipal clients and/or references regarding our past performance.

It is proposed that I, David C. Battaglia, PE, CME, CFM will serve as primary point of contact for the Town. I held the distinct honor of serving the Town of Boonton in the appointments of Town Engineer and Board Engineer at the end of 2020 during COVID lockdown. During that time, I amassed a wealth of institutional knowledge and maintained meticulous records of the Town's capital improvements, grant applications, planning initiatives, land use approvals, and construction inspections.

We are proud of the services that we provide to our municipal clients and are confident that we can provide these same services to the Town of Boonton. Should you or anyone else require additional information concerning our qualifications or should you need additional copies of our Statement of Qualification, please feel free to contact me at any time.

Very truly yours,



David C. Battaglia, PE, CME, CFM
Senior Professional Engineer

OFFICE LOCATIONS

www.vancleefengineering.com

Hillsborough, NJ
908-359-8291

Mt. Arlington, NJ
862-284-1100

Phillipsburg, NJ
908-454-3080

Doylestown, PA
215-345-1876

Pottstown, PA
610-323-4040

Hamilton, NJ
609-689-1100

Toms River, NJ
732-573-0490

Freehold, NJ
732-303-8700

Bethlehem, PA
610-332-1772

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. In response to the Town of Boonton's Request for Proposals for the Provision of General Engineering Services, Van Cleef will provide high quality and cost-effective services to the citizens of Boonton.

Van Cleef is committed to providing personalized solutions for even the most complex land development and infrastructure projects. Since our 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.

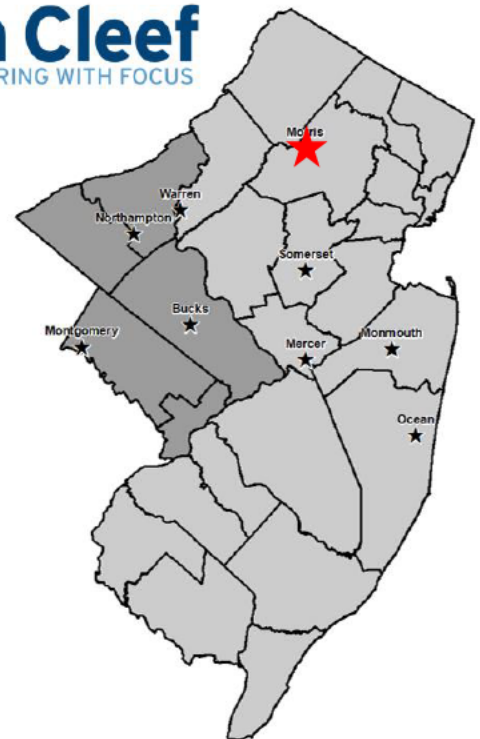
Van Cleef now has more than 225 employees in nine (9) regional offices strategically located throughout New Jersey and eastern Pennsylvania. Services will be provided from Van Cleef's Mt. Arlington, NJ office located a short distance from the Town.

Our clients receive the benefits of 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 David C. Battaglia, PE, CME, CFM, Senior Professional Engineer.**

Presenting Office:

111 Howard Boulevard, Suite 110
Mt. Arlington, NJ 07856
P: 862-284-1100
F: 862-284-2033

Contact: David C. Battaglia, PE, CME, CFM
dbattaglia@vancleefengineering.com





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.



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. Our Transportation Division represents the bridge and dam engineering element of the firm and has offices located in Phillipsburg and Freehold, New Jersey.

- Municipal Engineering
- Capital Infrastructure Design & Specifications
- Ordinance Revisions
- Meeting Representation
- Stormwater Management
- Watershed Management
- Subdivision /Land Development Submission Review
- Bridge & Dam Engineering and Inspection
- Construction Inspection/Monitoring/Management
- Water & Wastewater
- Local, State & Federal Permitting
- Land Surveying
- Aerial Drone/LiDAR Scanning
- Geographical Information Systems (GIS)
- Athletic Fields
- Community & Regional Planning
- Landscape Architecture
- Earth Disturbance Grading
- Plan Reviews
- Grant Writing & Administration

OFFICE LOCATIONS

Headquarters

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

Mt. Arlington New Jersey Office

111 Howard Blvd., Suite 110
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

3 Paragon Way, Suite 600
Freehold, NJ 07728 Tel: 732-303-8700

Toms River New Jersey Office

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

Phillipsburg New Jersey Office

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

Doylestown Pennsylvania Office

501 N. Main Street
Doylestown, PA 18901 Tel: 215-345-1876

Bethlehem Pennsylvania Office

1685 Valley Center Parkway, Suite 100
Bethlehem, PA 18017 Tel: 610-332-1772

Pottstown Pennsylvania Office

2129 East High Street
Pottstown, PA 19464 Tel: 610-323-4040

PROFESSIONAL PARTNERS

Neil I. Van Cleef, PE, PLS

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

Robert J. Clerico, PE, PP, CME, CPWM

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

Samuel D. Costanzo, PE

501 N. Main Street
Doylestown, PA 18901 Tel: 215-345-1876

Mark A. Bahnick, PE

1685 Valley Center Parkway, Suite 100
Bethlehem, PA 18017 Tel: 610-332-1772

Lawrence M. Diffley, PE, PTOE

3 Paragon Way, Suite 600
Freehold, NJ 07728 Tel: 732-303-8700

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

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

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111 Howard Blvd., Suite 110
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

This Executive Summary highlights the key points of Van Cleef Engineering Associates' Statement of Qualifications for the Provision of General Engineering Services for the Town of Boonton. 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 Transportation Division represents the bridge and dam engineering element of the firm and has offices located in Phillipsburg and Freehold, New Jersey.

Our People

The ability of our firm to align with the Town's vision and help achieve your goals depends on people – ours and yours. We can provide the Town 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 Town. 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 Town that requires the efficient and successful completion of municipal engineering services. We have provided the Town 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 Town's vision for the future.

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

We are confident that our team is particularly well qualified for any project advanced by the Town that requires the efficient and successful completion of municipal planning services. We have provided the Town with an overview of our experience, key staff, resources, and capabilities in the various areas of Engineering for which we can provide services.

Although resources for the Van Cleef Team are available from nine (9) offices in NJ and PA, all work on any selected projects will be coordinated through our Mt. Arlington New Jersey Office located at 111 Howard Boulevard, Suite 110, Mt. Arlington, NJ 07856. All services will be provided in a timely fashion.

Description of Services

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.

Roadway designs have complied with the latest design criteria of the American Association of State Highway and Transportation Officials (AASHTO) and the Department of Transportation standards for road and bridge construction. Designs prepared by the firm have been approved by the Department of Transportation for highway occupancy and highway access permits as well as approved for use on projects receiving funding under various programs.

We have prepared designs for a variety of roadway projects. Our 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.

Stormwater and Watershed Management - Our Team has prepared stormwater management ordinances (including Act 167 ordinance regulations), stormwater planning maps, stormwater management details and stormwater management programs. Some of these documents were prepared using funding provided by public agencies using specific criteria.

Stormwater system designs prepared by the Team incorporate a variety of widely accepted engineering standards. Most of our designs have been tested through actual construction. These designs have been utilized for roadway construction as well as driveway construction and commercial/industrial access routes.

Our storm drainage designs typically include evaluating specific drainage problems, determining possible alternate solutions, construction cost estimating, feasibility analysis to determine suitability on behalf of the municipality, while acceptability on behalf of the residents surrounding the area being evaluated. We also oversee bidding and construction. The Team also has experience in the preparation of a variety of hydrologic and hydraulic studies along waterways which include the analysis of floodplain characteristics at bridge and dam structures as well as the preparation of designs for dams with heights up to 10 feet.

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, our Team ensures that performance bonds and inspection fees were tracked according to applicable standards.

Grant Writing and Administration – Van Cleef has many years of experience assisting clients with grants and low interest loan funds through various federal and state agencies. Our experiences include 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, NJDOT Local Aid, and Community Development Block Grants (CDBG) from various counties.

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.

Flood Plain Management Evaluation and Review Services – Van Cleef serves as the floodplain official in a number of local communities. The National Flood Insurance Program (NFIP) enables property owners to purchase flood insurance. In return, communities agree to adopt and implement local floodplain management regulations that contribute to protecting lives and reducing the risk of new construction and substantial improvements from future flooding. Our role as Floodplain Administrator would include reviewing new development with respect to local, state, NFIP and FEMA floodplain management standards to ensure that your community is holding all development to the required floodplain standards to maintain your “Participating” NFIP Status.”

Water and Wastewater - We serve as engineering consultant to a large number of water and wastewater utility agencies with average daily water and wastewater flows ranging from 6000 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, landfill closures 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 roadways, bridges, and related drainage improvements, wastewater collection and treatment systems and water distribution and treatment systems and improvements to interstate highways. 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 many local agencies.

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.

The land survey group also provides tax map maintenance services on a computerized CAD mapping system.

Tax Map Maintenance - Our Team has extensive experience in the preparation of tax maps for use in re-evaluations processes, numerous boundary surveys for the purposes of open space and right-of-way acquisition, and topographic and general location maps to be used for future engineering design.

Soils Investigations and On-Lot Sewage Disposal - The Team performs soils investigations and evaluations for typical roadway design projects, drainage projects, sewage disposal and site construction projects. Using the expertise of our geotechnical team in the Freehold Office, work such as new foundation designs, existing foundation support designs, and geological investigations are able to be conducted in-house. Soils investigations to determine wetland characteristics are also performed by either members of our staff or by sub-consultants.

In either case, the individuals engaged have sound professional records with acceptability by the New Jersey Department of Environmental Protection, Pennsylvania Department of Environmental Protection, Army Corps of Engineers, as well as our clientele.

Geotechnical and Dam Engineering - Our Transportation Division 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. The Team will 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. Many roadways are integral to the dams for streams and lakes. The Team has 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.

Unmanned Aerial Service – Our Team consists of FAA licensed remote pilots who utilize the latest UAS technology 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.

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 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	Hopewell Township
	Robbinsville Township
	West Windsor Township
Middlesex, NJ	Cranbury Township
Monmouth, NJ	Allentown Borough
	Holmdel Township
	Oceanport Borough
	Sea Bright Borough

County, State	Organization
Morris, NJ	Chatham Borough
	Chester Borough
	Long Hill Township
	Morris Township
	Mt. Olive Township
	Randolph 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	Bernardsville Township
	Bridgewater Township
	Manville Borough
	Neshanic Valley Golf Course
	Raritan Borough
	Rocky Hill Borough

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

County, State	Organization
Berks, PA	Rockland Township (Special Sewer Projects)
Bucks, PA	Richland Township Water Authority
	Richland Township
	Solebury Township
Carbon, PA	Bowmanstown Borough Authority
	Bowmanstown Borough Council
Montgomery, PA	Hatfield Borough
	Marlborough Township
	Towamencin Municipal Authority
	Upper Dublin Township
	West Pottsgrove Township
Northampton, PA	Pen Argyl Borough
	Portland Borough
	East Bangor Municipal Authority

The following are recent examples of services Van Cleef has provided to various Municipalities:

Plan and Direct Engineering Services for Capital Projects such as road construction, sidewalk & curb, drainage, athletic fields and trails, and parking lot projects

- West End Drive Improvements, Phases I & II – NJDOT Local Aid, Borough of Stillwater, County of Sussex
- Statesville Quarry Road, Phases I, II, & III – NJDOT Local Aid, Township of Lafayette, County of Sussex
- Main Street Streetscape – NJDOT and Local Aid Project, Borough of Ogdensburg, County of Sussex
- Reconstruction of Grant Terrace – NJDOT Local Aid Project, Borough of Ogdensburg, County of Sussex
- Reconstruction of Passaic Avenue – NJDOT Local Aid, Borough of Ogdensburg, County of Sussex
- Reconstruction of Edison Road – NJDOT Local Aid, Borough of Ogdensburg, County of Sussex
- Reconstruction of Plant Street – NJDOT Local Aid, Borough of Ogdensburg, County of Sussex
- Grove Road Improvement Project – Village of South Orange, Essex County
- 2021 Various Roads Improvement Project – Town of Westfield, Union County
- Prospect Street Improvements – NJDOT Local Aid, Town of Westfield, Union County
- Willow Grove Road Improvements – NJDOT and Union County Local Aid, Town of Westfield, Union County
- Safe Routes to Schools Project – NJDOT/Federal Aid Project, Borough of Wharton, Morris County
- Improvements to Walnut Street and Ford Avenue – Borough of Wharton, Morris County
- Improvements to East Sterling Street – NJDOT Local Aid, Borough of Wharton, Morris County
- Improvements to Saint Mary's Road – NJDOT Local Aid, Borough of Wharton, Morris County
- Municipal Building and Library Parking Lots – County CDBG, Borough of Wharton, Morris County
- Pleasant Hill Drainage Improvement – NJDOT Local Aid, Township of Mount Olive, County of Morris
- Reconstruction of Naughtright Road – NJDOT Local Aid, Township of Mount Olive, County of Morris
- Reconstruction of Corey Road – NJDOT Local Aid, Township of Mount Olive, County of Morris
- Resurfacing of Bartley Flanders Road – NJDOT Local Aid, Township of Mount Olive, County of Morris
- Improvements to Wolfe Road – NJDOT Local Aid, Township of Mount Olive, County of Morris
- Turkey Brook Park Trail – NJDOT/Federal ARRA Project, Township of Mount Olive, County of Morris
- Continental Drive Phase 1 – NJDOT Local Aid, Township of Mount Olive, County of Morris
- Turkey Brook Park Synthetic Turf Football Field – Township of Mount Olive, County of Morris
- 2021, 2020, 2019 Paving Programs – County Cooperative Paving, Borough of Allendale, County of Bergen
- Mountainside Lane Reconstruction – Township of Bridgewater, County of Somerset
- Woodland Terrace Reconstruction and Sewer Main – Township of Bridgewater, County of Somerset
- 2021-5 Roadway Improvement Project – Township of Bridgewater, County of Somerset
- Somerville Road Reconstruction and Sewer Main – Township of Bridgewater, County of Somerset

Provide application review, reports, public testimony and construction observation of approved developments for Planning Boards and Zoning Boards of Adjustment

- | | |
|---|--|
| • Borough of Ogdensburg, County of Sussex | • Township of Hopewell, County of Mercer |
| • Township of Hardyston, County of Sussex | • Township of West Windsor, County of Mercer |
| • Borough of Sussex, County of Sussex | • Borough of Allentown, County of Monmouth |
| • Township of Mount Olive, County of Morris | • Township of Harmony, County of Warren |
| • Town of Westfield, County of Union | • Township of Washington, County of Warren |
| • South Orange Village, County of Essex | • Borough of South Toms River, County of Ocean |
| • Borough of Allendale, County of Bergen | • Borough of Island Heights, County of Ocean |
| • Township of Readington, County of Hunterdon | • Township of Delaware, County of Hunterdon |

Work with Public Works Departments on road, water and sewer projects

Van Cleef coordinates with and advises all our client Public Works Departments relative to day-to-day operations and in-house completed projects for minor infrastructure repairs and improvements relative to roadways, parks, drainage systems, sewer systems, and water systems. In addition, Van Cleef has managed and worked in the design of the following larger projects for various Departments of Public Works:

- Water Main Improvements for the Pinecrest and High Ridge Water Systems - NJDEP Loan Program, Township of Mount Olive, County of Morris
- Design and Construction of Well No. 3, Township of Mount Olive, County of Morris
- Design and Construction of Well No.4, Borough of Ogdensburg, County of Sussex
- Water Main Improvements Along Route 517, Borough of Ogdensburg, County of Sussex
- Water System Improvements Along Various Street, USDA Funding, Borough of Ogdensburg, County of Sussex

Community Development Block Grants and NJDOT grant applications

Van Cleef has prepared numerous CDBG grants, as well as NJDOT grant applications. We have obtained NJDOT Grants on a yearly basis for all of our municipalities and have secured USDA Funding for Improvements to the Water System for the Borough of Ogdensburg.

Municipal Water and Sewer Systems

- Phase 1 Evaluation and Assessment Report - Evaluation of the sewage collection system and pumping stations to establish proposed improvements and upgrades. Town of Westfield, County of Union.
- Pinecrest, High Ridge Water System Improvements- Design permitting and construction management of \$2 million dollar water main rehabilitation project. Township of Mount Olive, County of Morris
- Drainage Master Plan- Preparation of stormwater management master plan for municipality. Township of Mount Olive, County of Morris
- Pinegrove Road Drainage - Design and construction management of new stormwater management system along 5,000 ft of roadway. Township of Mount Olive, County of Morris
- Budd Lake Drainage Program - Design and construction management of stormwater management facilities for Budd Lake Area. Township of Mount Olive, County of Morris

Below is a representative list of municipalities, counties and governmental entities for which Van Cleef provides consulting engineering services.

Township of Mount Olive**Contact:** Joseph Nicastro, Mayor**Telephone:** 973-691-0900, Ext. 7200**Contact:** Howie Weiss, Planning Board Chairman**Telephone:** 973-691-0900, Ext. 7313**Years Affiliated:** 30**Borough of Chester****Contact:** Janet Hoven, Mayor**Telephone:** 908-879-3660 ext. 2133**Contact:** Lumarys Mendez, Administrator**Telephone:** 908-879-3660 ext. 2130**Years Affiliated:** 1**Township of Long Hill****Contact:** Debra Coonce, Planning & Zoning Board Coordinator**Telephone:** 908-647-8000, Ext. 218**Years Affiliated:** 2**Borough of Chatham****Contact:** Stephen Williams, Borough Administrator**Telephone:** 973-635-0674, ext. 208**Years Affiliated:** 2**Village of South Orange Township****Contact:** Julie Doran, Village Administrator**Telephone:** 973-378-7715**Years Affiliated:** 4**Town of Westfield****Contact:** Jim Gildea, Town Administrator**Telephone:** 908-789-4041**Years Affiliated:** 4**Township of Stillwater****Contact:** Lynda Knott, Township Clerk**Telephone:** 973-383-9484**Years Affiliated:** 18**Township of Hardyston****Contact:** Carrine Piccolo-Kaufer, Township Manager & MUA Administrator**Telephone:** 973-823-7020 x9440**Years Affiliated:** 13**Contact:** Carl Miller, Township Council, Former Planning Board & Board of Adjustment Chairman**Telephone:** 973-261-2645**Years Affiliated:** 36**Borough of Ogdensburg****Contact:** Mayor George Hutnick**Telephone:** 973-827-3444**Contact:** Elliot Honig, Land Use Board Chairman**Telephone:** 973-827-6487**Years Affiliated:** 29**Sussex Borough Planning & Zoning Board****Contact:** Rich Klein, Chairman**Telephone:** 973-875-4831**Years Affiliated:** 15**Borough of Allendale****Contact:** Alison Altano, Administrator & Chief Financial Officer**Telephone:** 201-818-4400, Ext. 205**Years Affiliated:** 8**Borough of Raritan****Contact:** Nicholas Carra, Mayor**Telephone:** 908-231-1300 x 15**Years Affiliated:** 14**Township of Tewksbury****Contact:** Shana Goodchild, Business Administrator**Telephone:** 908-439-0022, Ext. 727**Years Affiliated:** 8**Borough of Manville****Contact:** Richard Onderko, Mayor**Telephone:** 908-725-9478**Years Affiliated:** 18

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

Van Cleef's lead person will be **David C. Battaglia, PE, CME, CFM, Senior Professional Engineer**. Mr. Battaglia will be supported by a project team that has extensive experience representing more than 25 municipalities and utility authorities around the state.

Mr. Battaglia has over 27 years of diversified civil engineering experience in the municipal government and transportation sectors. He has been the appointed engineer of record (EOR) and/or Board Engineer within various large and small municipalities in Somerset, Essex, Morris, Union, Passaic, and Bergen Counties tasked with managing the design and construction of local roadway reconstruction and resurfacing projects, intersections, streetscape redevelopments, athletic facilities, playgrounds, drainage improvements and evaluations, culvert replacements, sewer and water projects, and municipal facility construction and rehabilitation. He has reviewed development applications and provided testimonial support to Planning and Zoning Boards, and conducted inspections on active development projects. He has developed and maintained operating and capital budgets, and has implemented policy and enforced ordinances. He has experience coordinating with multiple municipal divisions such as Public Works, Recreation, Water, and Sewer Departments to achieve high quality work product and has a proven ability to effectively supervise municipal staff and engineering consultants to deliver demanding projects.

Mr. Battaglia currently serves as the South Orange Village Engineer and Chatham Borough Engineer. Over the course of his professional consulting career Mr. Battaglia has served the following municipalities as the appointed Municipal and/or Board Engineer: **Town of Boonton (2020)**, Borough of Wharton, Town of Westfield, City of Lambertville, Township of Montclair, Borough of Elmwood Park, Borough of Roselle, City of Orange, Borough of Bloomingdale, and the Borough of Bergenfield. In addition, Mr. Battaglia has served in these same capacities but as a public employee for the Township of Bridgewater and Township of Pequannock. Mr. Battaglia is a Boonton High School Alumnus and well acquainted with the Town.

Joseph R. Vuich, PE, PP, CME (Senior Professional Engineer) – Mr. Vuich has over 18 years of municipal and civil engineering consulting experience in both public and private sectors, becoming equipped with the knowledge and expertise to provide beneficial, safe, and responsive service to his clients. He has worked throughout the States of New Jersey, New York, Rhode Island, and Pennsylvania on capital improvements, land use planning, due diligence studies, permit compliance, private developments, remediation, and redevelopment projects for a variety of industrial, commercial, retail, residential, office, recreation and public end uses. Mr. Vuich is committed to providing quality service to his clients, acting as their advocate for all matters necessitated by the project.

Mr. Vuich currently serves as the Municipal and Board Engineer in the Borough of Chester, Township of Long Hill, Borough of Bernardsville and Township of Stillwater. He also currently serves as the Board Planner in the Borough of Hopatcong and Borough of Ogdensburg. Over the course of his professional career, Mr. Vuich has served the following municipalities in the appointment of Municipal and/or Board Engineer; **Town of Boonton (2018 – 2020)**, Township of Montclair, Town of Kearny, Borough of Woodcliff Lake, Borough of Oradell, and Hampton Borough. Additionally, Mr. Vuich has served the following municipalities and their Boards in the appointment of Conflict Engineer; Township of Mount Olive, Township of Readington, White Township, and Holland Township. Mr. Vuich's capital improvement project experience includes facility expansion, active & passive recreational park design, roadway reconstruction, water distribution improvements, and pump station improvements. He is well versed in the guidelines and management of various federal, state, and local grant funding opportunities, including FEMA mitigation and disaster relief grant projects in response to Hurricane Sandy, Irene, Ida and other recent natural disasters. Since joining our firm in 2022, Mr. Vuich has supported his peers' municipal appointments across the state managing various capital improvement projects and regulatory compliance updates to the NJPDES MS4 Tier A Permit Renewal, Tier B Reassignments, Amended Stormwater Rules and Inland Flood Protection Rules.

Michael Vreeland, PE, PP, CME (Principal, Branch Manager, Mt. Arlington New Jersey Office) - 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.

Robert J. Chankalian, PE, CME (Senior Professional Engineer)—Mr. Chankalian has diverse expertise in both private sector civil/site projects as well as municipal engineering. Before joining Van Clee, he served as the in-house Director of Community Development, Township Engineer, Floodplain Coordinator, and Stormwater Manager for Toms River Township for 16 years. Mr. Chankalian has experience in all aspects of road construction from mill and overlay, to roadway elevation projects for flood mitigation. Mr. Chankalian oversaw all projects related to Superstorm Sandy including coordination with FEMA disaster personnel.

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

Stanley J. Schrek, PE, PP, AIA, CME, LEED AP, (Principal Engineer) - Mr. Schrek has over 44 years of experience in civil engineering, building design and construction management. As Engineer of Record for several municipalities throughout New Jersey, he has had direct responsibility for the planning, design and administration of capital improvement projects, and review services for local Planning and Zoning Boards. Mr. Schrek is the appointed engineer for the Town of Phillipsburg, in Warren County, the Borough of Raritan and the Borough of Manville in Somerset County, as well as the Township of Tewksbury in Hunterdon County. He also provides and has provided Professional Engineering Services for many other municipalities, Planning Boards and Zoning Boards. Mr. Schrek serves as the Branch Manager for the firm's Warren County office, located in Phillipsburg, NJ, and is a Member of the firm. Mr. Schrek is available as a resource to provide his extensive expertise in support of our scope of work for the Town.

Robert Olivo (Construction Observer) - For over 30 years, Mr. Olivo's experience primarily related to the duties of a Municipal Principal Public Works Manager. Mr. Olivo served as Superintendent of the Netcong Borough Department of Public Works from 1983 until his retirement in 2014. During this period Mr. Olivo was responsible for planning, scheduling, directing, conducting and controlling the daily and long term operations of all Borough public works activities. Mr. Olivo is assigned to our Mt. Arlington office in support of projects for all of our municipal clients performing field inspections and constructability reviews.

Kevin A. Kester, ASLA, CLA, RLA (Director of Landscape Architecture) – Mr. Kester is the Director of Landscape Architecture. His expertise includes Site Planning, Zoning, Engineering Design and Landscape Architecture for residential, commercial and industrial developments, Recreational Site Design, and Municipal reviews. He has been responsible for many successful park designs throughout the region. Mr. Kester is active in the New Jersey Chapter of the American Society of Landscape Architects.

Mason Herrman, GISP (Geospatial Manager) – 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 Clee'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.

John Murphy, PE (Senior Professional Engineer) – Mr. Murphy has over 15 years of experience in the planning, analysis and design of various transportation projects for both the NJDOT and various Counties. He has provided design services on numerous drainage improvement, dams, roadway reconstruction, and bridge replacement projects, including roadway design, roadway drainage design, stormwater systems design, scour analysis and bridge / culvert hydraulic analysis, utility coordination, and maintenance and protection of traffic. Mr. Murphy also has experience with stormwater management, NJDEP flood hazard area rules and regulations, various Soil Conservation Districts, and NJDEP Green Acres Program. Duties have also included coordination with local officials and public coordination, preparation of cost and quantity estimates, preparation of supplementary specifications, and coordination with agencies, contractors and fabricators during construction. Mr. Murphy is available as a resource to provide his extensive expertise in support of our scope of work for the Town.

Lawrence M. Diffley, P.E., PTOE (Highway/Roadway Design) - Mr. Diffley has over 25 years of experience in the planning, analysis and design of various transportation projects. He has prepared transportation impact studies for major residential, retail, and urban park developments. He has also provided design and management services on many highway improvement projects, including roadway design, intersection design, access design, grading, profiles, signing and striping, guide signs, cross sections, traffic control and staging, right of way, and utility relocations. Mr. Diffley is available as a resource to provide his extensive expertise in support of our scope of work for the Town.

Carl M. Herrman, PLS (Director of Surveying) - Mr. Herrman is a graduate of New Jersey Institute of Technology with a Bachelor of Science degree in Land Surveying. He is a licensed professional land surveyor in New Jersey, New York and Pennsylvania, and has over 25 years of experience in the field of land surveying. Mr. Herrman has prepared numerous land preservation surveys for the NJDEP Green Acres program, NJ State Agriculture Development Committee (SADC) farmland preservation program. Mr. Herrman also performs Route Surveys for road and bridge reconstruction projects, prepares Parcel maps and descriptions for right-of-way acquisitions and performs construction layout for large projects. Mr. Herrman is available as a resource to provide his extensive expertise in support of our scope of work for the Town.

David C. Battaglia, PE, CME, CFM
Senior Professional Engineer



Mr. Battaglia has over 29 years of diversified civil engineering experience in the municipal government and transportation sectors. He has been the appointed engineer of record (EOR) and/or Board Engineer within various large and small municipalities in Somerset, Essex, Morris, Union, Passaic, and Bergen Counties tasked with managing the design and construction of local roadway reconstruction and resurfacing projects, intersections, streetscape redevelopments, athletic facilities, playgrounds, drainage improvements and evaluations, culvert replacements, sewer and water projects, and municipal facility construction and rehabilitation. He has reviewed development applications and provided testimonial support to Planning and Zoning Boards and conducted inspections on active development projects. He has developed and maintained operating and capital budgets and has implemented policy and enforced ordinances. He has experience coordinating with multiple municipal divisions such as Public Works, Recreation, Water, and Sewer Departments to achieve high quality work product and has a proven ability to effectively supervise staff and manage demanding projects.

WORK EXPERIENCE

2021 - present

Van Cleef Engineering Associates, LLC
Senior Professional Engineer

Responsible for managing municipal clients and projects in the Northern New Jersey region. General projects include roadway paving and repair, drainage improvements and repairs, and all other varied capital projects needed by municipal governments. Provides support to Land Use Boards in the review of development applications, providing associated public testimony and conducting inspections on active development projects. Provides design guidance and mentoring for design staff and prepared proposals to support municipal client goals and corporate marketing efforts. Mr. Battaglia is currently appointed as the South Orange Village Engineer and Chatham Borough Engineer responsible for managing daily operations, capital projects, and supporting Land Use Boards upon request.

2020

Suburban Consulting Engineers, Inc.
Municipal Department Manager

Managed and completed projects in several municipalities such as multiple roadway paving projects (NJDOT Local Aid), drainage improvements, and a municipal pool reconstruction. Also served as the appointed engineer for Planning and Zoning Boards of Adjustment reviewing development applications, providing associated public testimony, and conducting inspections on active development projects. During this time served as the Lambertville City Engineer, Boonton Town Engineer, Boonton Planning and Zoning Engineer, Montclair Planning and Zoning Engineer, Elmwood Park Planning Board Engineer, and consulting engineer for projects in the Borough of Glen Ridge, the Town of Newton, and the City of Hackensack.

2016 - 2019

Township of Bridgewater
Director of Municipal Services and Township Engineer

Responsible for the oversight and management of the Municipal Services Department which included approximately 70 union and non-union employees across the Divisions of Engineering, Public Works, Planning, Zoning, Code Enforcement, Fire Safety, and Sewer Utility. Functions included personnel management, budgeting, consultant management, and public interactions. As Township Engineer responsible for design and management of all municipal projects such as roadway reconstruction and paving, drainage improvements, and various other projects. Reviewed development applications, provided associated testimonial advice to Planning and Zoning Boards of Adjustment, and conducted inspections on active development projects. Conducted general municipal engineering activities such as map maintenance, ordinance review, resident relations, grant administration, environmental compliance, and interfacing with County, State, and Federal officials. Implemented efficiencies in engineering division that achieved paving of 36 miles of roadway in 3-year span, versus 35 paved in the previous 9 years.

LICENSES/CERTIFICATIONS Licensed
Professional Engineer (NJ) License
#24GE04102900

Certified Municipal Engineer
(NJSME) Certificate #04-02

Certified Floodplain Manager
(ASFPM) Certificate #US-14-08019

Certified Public Works Manager
(NJ) Certificate #M-2202 {exp. 6/6024}

EDUCATION

Bachelor of Engineering, Stevens
Institute of Technology Hoboken, NJ

CORE SKILLS

NJ Municipal Land Use Law NJ Flood
Hazard Regulations NJDOT
Specifications ADA/PROWAG
Compliance Construction
Management Resident Relations
QA/QC Review Constructability

2009-2016 **IH Engineers, P.C., Princeton, NJ.**
Manager of Operations, Communication, and Businesses Development

Responsible for business development, preparation of proposals and statements of qualifications; expansion of market share in existing and new service areas such as municipal services; QA/QC of all marketing & selected engineering deliverables; maintenance of corporate prequalifications; maintenance of corporate manuals and library; Webmaster and IT adviser; Primavera project scheduler. Responsibilities included direct management of human resources and legal concerns for this 125 employee transportation engineering firm. Client Manager for Municipal Clients and the Port Authority of New York and New Jersey, Project Manager for municipal roadway design projects. Continuously employed F/T 2009-2010, P/T 2010-2013, F/T 2013-2016.

2010-2013 **Township of Pequannock,**
Township Engineer and Flood Plain Manager

Appointed Engineer of Record for the design and management of municipal projects such as roadway reconstruction and paving, athletic fields, drainage improvements, an emergency information radio station, and various other projects. Reviewed development applications, provided associated testimonial advice to Planning and Zoning Boards of Adjustment, and conducted inspections on active development projects. Conducted general municipal engineering activities such as map maintenance, ordinance review, emergency response, resident relations, grant administration, structural evaluations, capital budget estimation, environmental compliance, tax appeal support, and interfacing with County, State, and Federal officials. As Flood Plain Manager, responsible for ensuring flood plain regulations promulgated through local ordinance, NJDEP, and FEMA were enforced. The Township lies within the Central Passaic River Basin, adjacent to the Pequannock and Pompton Rivers immediately upstream of the confluence of the Pompton and Passaic Rivers. Duties included providing flood plain determinations to residents; review of all construction permits and developments within the flood plain to verify compliance with regulations; preparing flood damage estimates for municipal facilities; investigating damage estimates for private properties and preparing legally binding determinations to raze/raise/relocate as required under FEMA regulation; founding member of and technical advisor to the local and regional flood committees; communication and coordination with FEMA, NJ State Police (OEM), NJDEP, and Morris County regarding flood mitigation grants, inclusive of assisting these agencies with developing new programs resulting from Hurricane Irene and providing informal review/comment for the 2013 revision to the NJDEP Flood Hazard Area Control Act Rules; management of demolition projects and monitoring of home elevation projects. Assisted in achieving a FEMA Community Rating System rating of 7, one of the lowest in the region, after decades of being an unrated community.

2005-2009 **Schoor DePalma / CMX Inc.**
Municipal Project Manager

Served as the Consulting Engineer of Record (EOR) for the Borough of Wharton, Borough of Roselle, and City of Orange Township. Additionally, served as Assistant EOR in various other communities such as Borough of Roseland, City of Union City, Borough of West Paterson, and Borough of Pompton Lakes. Managed the design and construction of local roadway reconstruction and resurfacing projects, signalized and stop controlled intersections, downtown streetscape redevelopments, athletic facilities, playgrounds, drainage improvements and evaluations, water main lining and replacements, culvert replacements, sewer construction, and municipal facility construction and rehabilitation. Reviewed development applications, provided associated testimonial advice to Planning and Zoning Boards of Adjustment, and conducted inspections on active development projects. Conducted general municipal engineering activities such as map maintenance, ordinance review, emergency response, resident relations, grant administration, structural evaluations, capital budget estimation, environmental compliance, tax appeal support, and interfacing with County and State officials.

2002-2005 **Dewberry-Goodkind, Inc.**
Municipal Project Manager

Served as the Consulting Engineer of Record (EOR) for the Borough of Bloomingdale and Planning Board Engineer & Special Projects Engineer for the Borough of Bergenfield. Additionally, served as Assistant EOR for the Borough of Allendale. Managed the design and construction of local roadway reconstruction and resurfacing projects, downtown streetscape redevelopments, athletic facilities, playgrounds, drainage improvements and evaluations, culvert replacements, and municipal facility construction and rehabilitation. Reviewed development applications, provided associated testimonial advice to Planning and Zoning Boards of Adjustment, and conducted inspections on active development projects. Conducted general municipal engineering activities such as map maintenance, ordinance review, emergency response, resident relations, grant administration, structural evaluations, capital budget estimation, environmental compliance, tax appeal support, and interfacing with County and State officials.

SELECTED PROJECT EXPERIENCE

Borough of Wharton, Municipal and Library Parking Lots. (2021-present) Senior Professional Engineer responsible for the final design and construction administration of this major reconstruction and beautification project surrounding the primary municipal complex in the Borough. The project includes extensive regrading and reconstruction to connect existing lower & upper parking, all new curbs, ADA compliant sidewalks, drainage, narrowing of adjacent public roads, decorative lighting layout design, extensive landscaping improvements including a new Library Plaza, and revised circulation and driveways to create additional parking for Borough residents. The project requires coordination with County for improvements within a County Road, CDBG Grant administration, and utility company coordination for utility pole relocations and removal.

Town of Boonton, Highland Avenue and Lathrop Avenue Paving. (2020) Acting Town Engineer responsible for final design QA/QC and construction management of this NJDOT Local Aid Paving project. Singular construction contract combined milling and paving of Highland Avenue (2018 funding) with difficult ADA improvements due to its high profile slope, and milling & paving of Lathrop Avenue (2019 funding) traversing across the frontage of Boonton High School and John Hill Middle School inclusive of ADA upgrades and drainage improvements. Among the drainage improvements was an unforeseen drainage vault uncovered during construction that required structural design details be drafted, budgeted, and approved on-the-fly to maintain construction schedule. In addition to overseeing construction management Mr. Battaglia personally designed and performed construction inspection of the redesigned drainage vault due to its location and safety concerns.

Township of Bridgewater, County Cooperative Paving Program. (2017, 2018, 2019) Township Engineer responsible for the development of a 5-year roadway maintenance program, part of which included initiating an arrangement with the County of Somerset to mill & pave select roadways. Under the arrangement the Township provided a list of roadways to the County for inclusion in the their annual county-wide paving program. As a result of the partnership approximately half ($\pm$ \$3M) of the annual Capital Budget was shifted to the immediate resurfacing of high-profile thru-streets and Bridgewater was able to pave 36 total miles of roadway within 3 years in contrast to 35 total miles in the previous 9 years without significant increases to capital budget. As of 2020 the program continued with other municipalities benefitting from the same arrangement with the County.

Township of Bridgewater, Garretson Road Widening (Downey to western BRHS). (2019) Township Engineer responsible for concept design, preparation of a consultant services design RFP, and consultant coordination through design and contract completion. The roadway consisted of 1 lane each direction extending between Township Offices on the east end through the extent of the frontage of Bridgewater-Raritan Regional Highschool, the Bridgewater YMCA, and a townhouse development with access only from Garretson Road. During morning and evening school drop-off traffic would be at a standstill as the roadway did not have the capacity to accommodate students, parents, buses, and pass-thru drivers on this arterial roadway connecting the east side and west side of town over Interstate 287. Sufficient right of way was available and used to widen the roadway to 2-westbound and 1-eastbound lanes, providing dedicated left-turn lanes into BRHS for both school buses at one driveway, passenger vehicles at another driveway, and then a dedicated west bound thru-lane for drivers not travelling to BRHS. The project required extensive ADA and other pedestrian upgrades for safety of students crossing the street to park at the YMCA, and extensive staging to assure continuous access to the YMCA and townhouses.

Township of Bridgewater, Dellwood Road Reconstruction. (2013–2019) Design Consultant and Township Engineer responsible for preliminary and final design, preparation of construction documents, and construction engineering services for this full depth reconstruction project including curbs, drainage, reprofiling, and specialized design of a solution for a ground water condition creating a dangerous icing condition. As a Design Consultant this project was surveyed and designed in 2013, with delivery of a complete set of bid documents to the Township of Bridgewater. It was shelved for lack of construction budget. Later as Township Engineer in 2019 construction budget was approved and construction completed.

Township of Pequannock, Sunset Road Phase IV. (2010–2012) Township Engineer responsible for final design, preparation of construction documents, construction engineering services, and grant administration for this project. The scope of work entailed resurfacing, widening, installation of new curbs, installation of sanitary sewer main and laterals, installation of potable water main, installation of new storm water system & upgrades to the existing system, and redesign of an unsignalized intersection with poor site distances and profile. The project required extensive aerial utility relocations for high voltage transmission lines supplying the regional hospital, ROW takings, and was redesigned specifically to avoid Flood Hazard Area impacts. This was a NJDOT Local Aid project.

Borough of Wharton, Baker, Racine and Columbia Paving. (2008-2009) Borough Engineer responsible for preparation of construction documents and construction management of full-width reconstruction, spot reconstruction, resurfacing, installation of new sidewalks, ADA ramps, and curbs, as well as drainage improvements and beam guide rail installations. Also responsible for NJDOT Local Aid grant administration.

Joseph R. Vuich, P.E., P.P., C.M.E.

Senior Professional Engineer



Mr. Vuich has over 18 years of municipal and civil engineering consulting experience in both public and private sectors, becoming equipped with the knowledge and expertise to provide beneficial, safe, and responsive service to his clients. He has worked throughout the States of New Jersey, New York, Rhode Island, and Pennsylvania on capital improvements, land use planning, due diligence studies, permit compliance, private developments, remediation, and redevelopment projects for a variety of industrial, commercial, retail, residential, office, recreation and public end uses. Mr. Vuich is committed to providing quality service to his clients, acting as their advocate for all matters necessitated by the project.

PROFESSIONAL EXPERIENCE

2022 – Present

Van Cleef Engineering Associates, LLC
Senior Professional Engineer

- Township of Long Hill – Municipal, Planning Board & Zoning Board Engineer
- Chester Borough – Municipal & Land Use Board Engineer
- Borough of Bernardsville – Municipal Engineer
- Stillwater Township – Municipal, Planning Board & Zoning Board Engineer
- Borough of Hopatcong – Land Use Board Planner
- Borough of Ogdensburg – Land Use Board Planner
- Regulatory Compliance Specialist – NJPDES MS4 Tier A Permit Renewal, Tier B Reassignments, Amended Stormwater Rules, Inland & Coastal Flood Protection Rules

2020 – 2022

Finelli Consulting Engineers, Inc., Washington, NJ
Chief Operating Officer

- Mount Olive Township – Planning Board Conflict Engineer – North Combe Landfill Solar Farm
- Holland Township – Planning Board Conflict Engineer – Fibermark Paper Mill Solar Farm
- Township of Readington – Township Conflict Engineer – Ryland Inn, Ryland Subdivision, and The Ridge at Readington
- Hampton Borough – Land Use Board Engineer
- Private Redevelopment Land Use Application Professional Engineer:
 - Jandl Land Company – White Township – 2.6 mil SF High-Cube Warehouse Campus
 - Larison's Turkey Farm – Chester Borough – Multi-Use Redevelopment of 27-acre historic tract as Affordable Housing, Pharmacy, Restaurant, Medical Offices & Organic Farm.

2017 – 2020

Suburban Consulting Engineers, Inc., Flanders, NJ
Municipal Engineer & Project Manager

- Town of Boonton – Town Engineer & Joint Land Use Board Engineer
- Township of Montclair – Planning Board & Zoning Board Engineer
- Borough of Glen Ridge – Consulting Engineer
- White Township – Planning Board Conflict Engineer & Planner
- Managed municipal inspections & performance bonding of private site improvements
- Managed Public Bidding and Construction Contracts, including Change Orders & Closeout
- Managed Construction Inspection Department staff and schedule for all SCE projects
- Private Development Land Use Application Professional Engineer & Planner:
Obtained approvals for d(1) use, d(2) expansion on non-conforming use, d(3) conditional use, and d(6) height variances for various developments in Hackettstown and Jefferson Township

LICENSES/CERTIFICATIONS

New Jersey:
Licensed Professional Engineer
Professional Planner
Certified Municipal Engineer

EDUCATION

B.S. in Civil and Environmental Engineering, 2006, Lehigh University

NJDEP-Certified Stormwater Management Design Reviewer

NJDEP-Certified MS4 Stormwater Program Coordinator (SPC)

Qualified MS4 Stormwater Inspector (QSI) – American Stormwater Institute

Stormwater Management – Rutgers University

OSHA HAZWOPER Training & Supervisor / Management Course

DOT Hazardous Materials Manifest Training

PROFESSIONAL AFFILIATIONS

Member of New Jersey Society of Municipal Engineers (NJSME)

Member of New Jersey Society of Professional Engineers (NSPE-NJ)



2012 – 2017

**Neglia Engineering Associates, Lyndhurst, NJ
Municipal Engineer & Project Manager**

- Town of Kearny – Town Engineer, Planning Board & Zoning Board Engineer
- Borough of Woodcliff Lake – Borough Engineer, Planning Board & Zoning Board Engineer
- Borough of Oradell – Borough Engineer, Planning Board & Zoning Board Engineer
- City of Hackensack – reviewed Site Plan Applications for Planning & Zoning Board Engineer
- Designed and Managed Capital Improvement Projects (Road Programs, Water Distribution, Utility Relocation, Flood Mitigation, Recreational Facilities)
- Managed Public Bidding and Construction Contracts, including Change Orders & Closeout
- Primary author of Area in Need of Redevelopment and Redevelopment Plans adopted by various Governing Bodies
- Prepared Grant Applications for various funding programs (FEMA, NJDOT, CDBG, Open Space, Green Acres, NJEIP / I-Bank)

2009 – 2011

**Brown and Caldwell, Allendale, NJ
Staff Engineer**

- Prepared Remedial Investigation Reports and Remedial Action Workplans
- Delineated NAPL contaminants at Manufactured Gas Plant (MGP) facilities
- Designed Remedial Action Construction, Grading & Drainage, Soil Erosion & Sediment, Control, and Wetland Mitigation Plans for 5 Phase Industrial Redevelopment
- Designed Stormwater Management and Water Quality facilities for interim and final use
- Performed NJDEP-compliant Compensatory Wetland Mitigation Water Budget Analysis
- Construction Quality Assurance representative for PE of record during remediation activities
- Managed Investigation Derived Waste (IDW) materials for off-site disposal
- Permitted Leachate Treatment Plant (LTP) effluent outfall under NPDES regulations
- Prepared Drainage System Survey and Illicit Discharge Reports for environmental risk assessment of former Defense Fuel Support Point (DFSP) at Naval Station Newport
- Managed field team during GPS survey of drainage system for update of RIPDES Permit

2005 – 2009

**Langan Engineering and Environmental Services, Elmwood Park, NJ
Staff Engineer**

- Focused on Urban Hydrology for redevelopment of industrial properties
- Prepared Site Feasibility Reports in coordination with multiple in-house disciplines
- Extensive experience in Stormwater Management, Water Quality, and GW Infiltration Design
- Designed Site, Grading & Drainage, Utility, Soil Erosion & Sediment Control, Wetland Delineation, and Wetland Permitting Plans
- Performed on-site Geotechnical Investigation
- Performed Cut/Fill Earthwork Analysis
- Performed Stream and Flood Studies
- Submitted Township, County, and State Regulatory Agency Site Plan Applications
- Submitted NJDEP Stream Encroachment and Wetland Permitting Applications



Michael G. Vreeland PE, PP, CME
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.

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.

LICENSES/CERTIFICATIONS

Licensed Professional Engineer
NJ #24GE04168200

Professional Planner
New Jersey

Certified Municipal Engineer
New Jersey

EDUCATION

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

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

Robert J. Chankalian, PE, CME

Branch Manager

Mr. Chankalian has over 30 years of diverse expertise in both private sector civil/site projects as well as municipal engineering. Before joining Van Cleef, he served as the in-house Director of Community Development, Township Engineer, Floodplain Coordinator, and Stormwater Manager for Toms River Township for 16 years. Mr. Chankalian has experience in all aspects of road construction from mill and overlay, to roadway elevation projects for flood mitigation. Mr. Chankalian oversaw several years of projects in Toms River related to Superstorm Sandy including oceanic beach, dune, boardwalk and walkover construction for over 2.5 miles of oceanfront. This involved constant coordination with FEMA disaster personnel, the United States Army Corps of Engineers and NJDEP, where he has become well established in that community.

Mr. Chankalian has been involved in a multitude of municipal projects including: construction of various parks, animal shelter construction, municipal court expansion, police dispatch center and digital trunked radio communications, municipal ice rinks, municipal golf course irrigation, standby generators, boardwalk design, boat ramp design, stream cleaning, bulkheading, parking deck rehabilitation, solar fields, kayak launches, sports field and roadway lighting. He also has experience in capital budget and grant preparation for municipalities. For his efforts in the rebuilding of Toms River Township after Super Storm Sandy, Mr. Chankalian was awarded 2013 Municipal Engineer of the Year by the New Jersey Society of Municipal Engineers.

PROJECT EXPERIENCE

Toms River Township Road Elevation Projects

Client: Toms River Township

Location: Township of Toms River, Ocean County, NJ

Township Engineer/Project Manager overseeing all aspects of the Toms River's Road Elevation Program from its inception in 2015 to 2023. This program was initiated by Mr. Chankalian as a pilot program and following that success was a significant portion of Toms River Township's capital budget from that point on. These projects routinely involved several streets each year affecting anywhere from 30 to 80 individual properties. Mr. Chankalian oversaw the initial design phase, resident coordination, acquisition of private right of entry letter agreements, and construction management. In 2022, Mr. Chankalian oversaw a joint project in Brick Township which has resulted in an expansion of this program into Brick Township for 2023.

Toms River Township Road Overlay Program

Client: Toms River Township

Location: Township of Toms River, Ocean County, NJ

Township Engineer/Project Manager overseeing all aspects of Toms River's yearly road overlay program with a yearly budget ranging from \$3 to \$5 million. Mr. Chankalian implemented the use of GIS to maintain a system for not only rating roads but tracking their construction history for future use. The system utilized in house inspectors to actively rate over 450 miles of municipal roadway on an ongoing basis to provide the Township a real time assessment of its road network for not only budgeting purposes, but a clear concise way to inform residents of the operation.

Toms River Township Bulkhead Replacement Program

Client: Toms River Township

Location: Township of Toms River, Ocean County, NJ

Township Engineer/Project Manager overseeing various bulkhead replacement projects throughout Toms River Township including the replacement and upgrading of bulkheads and drainage outfalls in excess of over 75 street ends and right of ways adjoining various waterways. These projects also provided beautification such as landscaping upgrades and benches were feasible for use by the general public at these open spaces. With over 200 locations, Mr. Chankalian also utilized the GIS to rate and track the condition of all of the bulkheads within the Township for budgeting and asset management purposes.



LICENSES/CERTIFICATIONS

Licensed Professional Engineer
New Jersey, 2004

Certified Municipal Engineer,
New Jersey, 2004

EDUCATION

Bachelor of Science – Civil
Engineering Technology &
Construction Management –
New Jersey Institute of
Technology, 1997

PROFESSIONAL AFFILIATIONS

Member - American Society of
Civil Engineers

Member – New Jersey Society of
Municipal Engineers

New Jersey Society of Municipal
Engineer Award – Engineer of the
Year - 2013



Digital Trunked Radio System

Client: Toms River Township

Location: Township of Toms River, Ocean County, NJ

Township Engineer/Project Manager in charge of oversight of a complete overhaul of the 911 radio system including both police, fire, and EMS services. This project included an addition to the existing police station consisting of a state-of-the-art dispatch center, parking lot upgrades and the construction of several monopoles within the Township to create a hub and spoke antenna transmission system with triple redundancy. This project included the coordination of several design professionals including a civil site design engineering firm, architectural firm, and an RF consultant. Mr. Chankalian also oversaw the contract solicitation and construction management of all aspects of this project which totaled approximately \$14 million.

Oceanic Life Guard Buildings

Client: Toms River Township

Location: Township of Toms River, Ocean County, NJ

Township Engineer/Project Manager in charge of the reconstruction of two lifeguard buildings within the Ortley Beach section of Toms River Township. Duties included oversight of a consulting architect, geotechnical and civil site engineering consultants, bid solicitation construction management and inspection. Both buildings were designed in the aftermath of Superstorm Sandy with resilient foundation systems to address wave action in the velocity zone adjoining the Atlantic Ocean. The lower levels of the structures were constructed of solid concrete walls with a decorative timber form liner to give the appearance of residential construction to integrate into the neighborhood.

Veterans Park

Client: Toms River Township

Location: Township of Toms River, Ocean County, NJ

Township Engineer/Project Manager in charge of the concept design, consultant oversight, bid solicitation, construction management and inspection of the Veteran's Park Girls Softball facility. This project included the construction of four softball fields, a T-ball field, a concession stand and bathroom building, playground with poured in place safety surfaces, a wet pond that captures stormwater runoff for reutilization by the irrigation system, remote controlled field lighting and associated parking. This project was initially constructed but due to the popularity of the project an additional project was required several years later to increase the parking by approximately 30% to accommodate the unexpected amount of tournaments hosted at the facility.

Huddy Park

Client: Toms River Township

Location: Township of Toms River, Ocean County, NJ

Township Engineer/Project Manager in charge of the concept design, consultant oversight, bid solicitation, construction management and inspection of Huddy Park. This project not only included the replacement of the entire bulkhead system for both the island and shoreline sections of the site, but a complete rehabilitation of the park while trying to preserve the historic attributes. The park includes several queues to the historic battle fought by Joshua Huddy including mock up wall of the original Fort and several LED up-lit silhouette statues of revolutionary soldiers. The park also includes docking facilities for boats looking to either visit the park or to visit nearby dock and dine restaurants. In anticipation of the facility to be used for the yearly historic boat show and sales boat show, several entrances and sidewalks were upgraded to handle the weight of boat trailers and larger associated vehicles. The bridge and gazebos have been the site for numerous wedding and prom photos due to the picturesque views of the park and river.

Ortley Beach Boardwalk

Client: Toms River Township

Location: Township of Toms River, Ocean County, NJ

Township Engineer/Project Manager in charge of the design, bid solicitation, construction management and inspection of the reconstruction of entire oceanic boardwalk within Ortley Beach after Superstorm Sandy. This project included an upgrade of the existing design to accommodate the future walkovers of the then to be constructed USACoE dune construction project in such a way that each access point could be utilized in the interim before sand import operations began years later. The design also included the addition of several ADA access points to bring the project into compliance with current regulations. The boardwalk was designed utilizing a renewable Brazilian hardwood which has resulted in little to no maintenance or apparent degradation over the last 12 years.



Gilford Park Boat Ramp

Client: Toms River Township

Location: Township of Toms River, Ocean County, NJ

Township Engineer/Project Manager in charge of the concept design, consultant oversight, bid solicitation, construction management and inspection of a public boat ramp within the Gilford Park section of the Township. The project included a boat ramp with a large k- turn layout for ease of backing up trailers to the facility. The design also includes 50 foot deep parking spaces to accommodate trucks with trailers and an elevated timber access way from the parking area to the ramp which addressed several environmental concerns related to wetlands and flooding. The project not only provides free boat ramp access to the community, but the walkway and dock was also a pedestrian destination for residents of the adjoining neighborhood to visit the waterway.

Parking Deck Roof and Solar System

Client: Toms River Township

Location: Township of Toms River, Ocean County, NJ

Township Engineer/Project Manager in charge of the concept design, consultant oversight, bid solicitation, construction management and inspection of the rehabilitation of the municipal parking deck. The project consisted of the addition of a self-supporting roof system the atop of the existing parking deck to reduce water infiltration into the existing concrete structure and to ultimately support a solar array. The project received the Green Apple award in 2013.

Ortley Beach Kayak Launch:

Client: Toms River Township

Location: Township of Toms River, Ocean County, NJ

Township Engineer/Project Manager in charge of the concept design, consultant oversight, bid solicitation, construction management and inspection of the rehabilitation of a kayak launch facility and the Ortley Beach section of Toms River Township. With very little public open space available, Mr. Chankalian negotiated the use of two shallow water slips within a private marina for the construction of a public kayak launch. The lease area not only included a floating kayak launch system with an ADA accessible ramp, it also included a kayak rack storage system which individual spaces could be used by residents to avoid the transport back and forth of their kayaks. The project was so successful that the following year necessitated an expansion of the lease area to accommodate additional parking and additional racks.

Municipal Generator System:

Client: Toms River Township

Location: Township of Toms River, Ocean County, NJ

Township Engineer/Project Manager in charge of the concept design, consultant oversight, bid solicitation, construction management and inspection of standby generators throughout municipal buildings within the Township. Most notable was the generator system at the Police Department which provided double redundancy including a diesel generator and twin natural gas turbocharged generators to provide power to the facility in the event of either a disruption to the natural gas system or a diesel fuel availability problem. This system was designed to initially start utilizing the diesel generator system which would come online in less than 7 seconds, but after 30 minutes, where a long term outage was assumed, the natural gas generators would come online and transfer over to reserve fuel for future emergencies.

Toms River Animal Shelter:

Client: Toms River Township

Location: Township of Toms River, Ocean County, NJ

Township Engineer/Project Manager in charge of the concept design, consultant oversight, bid solicitation, construction management and inspection of a new Township animal shelter modeled after a more modern approach toward not only housing abandoned animals but a sales approach for future adoption. In lieu of a traditional cage type holding system, individual kennels utilizing a glass containment system where installed to provide a more friendly atmosphere for both the animals and people looking to adopt. The facility included a 24 hour HVAC system with 100% makeup air to minimize odor within the facility. The facility was also designed with sloped epoxy floors to provide less maintenance and associated operational costs.



Various Subdivisions & Site Plans:

Client: Various

Location: Various – State of New Jersey

Project Manager/Project Engineer involved in the design of numerous residential subdivisions, site plans, and multi use projects throughout the State of New Jersey. Duties typically included preparation of concept plans and feasibility studies, design of stormwater management systems, NJDEP CAFRA, Freshwater Wetland, and Stream Encroachment Permitting, and the presentation at numerous Planning Boards and Zoning Boards of Adjustment.

Various Drainage Improvement Plans:

Client: Toms River Township & Monroe Township

Location: Toms River Township & Monroe Township

Project Manager/Project Engineer involved in the design of numerous drainage solutions to address existing and localized flooding issues throughout these two townships. Duties generally included assessment of either under sized existing systems, new drainage patterns related to recent upland development, or addressing previously overlooked groundwater conditions. Mr. Chankalian has overseen multiple projects of this nature involving not only improvements to the drainage infrastructure within public rights of way but also several projects where resident property was also affected, and access required. For these types of projects not only require the design of a drainage solution, but the coordination with residents while their properties are affected during the construction.

WORK EXPERIENCE

January 2024

Van Cleef Engineering Associates, LLC

Branch Manager of Van Cleef's Toms River Office overseeing the daily operations of Municipal, Water/Wastewater, Surveying and Private Civil/Site Division services.

2020 – 2024

Township of Toms River, New Jersey

Director, Department of Community Development, Township Engineer, Stormwater Management Coordinator and Floodplain Manager for Toms River Township, Ocean County NJ, 8th largest Municipality in New Jersey, population 96,000+. In addition to duties listed below as the Township Engineer, duties also included oversight of the Division of Buildings Services, Division of Planning and Zoning, Division of Code Enforcement and Division of Parks Buildings and Grounds.

2008 – 2020

Township of Toms River, New Jersey

Engineering Division Head, Township Engineer, Stormwater Management Coordinator and Floodplain Manager for Toms River Township, Ocean County NJ, Duties include review and inspection of all private site work within the Township in addition to design oversight, consultant management and construction administration of a yearly municipal/capital project budget, typically ranging from \$8 to \$12 million dollars. Also responsible for coordination and oversight of FEMA Floodplain Management, and NJDEP Stormwater Management regulations.

1999 – 2011

RC Engineering & Management Associates Inc. – Brick, New Jersey

Partner in a design firm focusing on private site development and subdivision design. Engineering duties included all aspects of civil engineering site design including, site layout, drainage design & pond routing, NJDEP wetlands and stream encroachment permitting (HEC-RAS), CAFRA permitting, and additional aspects of land development.

2005 – 2008

Maser Consulting – Red Bank, New Jersey

Associate / Assistant Department Manager for the Private Site Development Division with annual billings of \$16 million dollars. Duties included client solicitation, invoicing, project budgeting & management of design staff. Engineering duties include all aspects of civil engineering site design including, site layout, drainage design & pond routing, NJDEP wetlands and stream encroachment permitting (HEC-RAS), CAFRA permitting, and additional aspects of land development.



2001 – 2005

Feist Engineering – Monroe, New Jersey

Director of Engineering Design; in charge of all private & municipal capital design projects. Duties included client solicitation, invoicing, project budgeting & management of design staff. Engineering duties include all aspects of civil engineering site design including, site layout, drainage design & pond routing, NJDEP wetlands and stream encroachment permitting (HEC-RAS), CAFRA permitting, and additional aspects of land development. Responsible for all engineering project design (private and municipal) from initial survey phase through project close-out.

2000 – 2001

JVMorgan Engineering & Surveying – Toms River, New Jersey

Design/Project Engineer primarily involved in residential subdivision & site plan design. Primary duties included site layout, drainage design & pond routing, NJDEP wetlands and stream encroachment permitting and CAFRA permitting.

1999 – 2000

Kilby Management Inc. – Jersey City, New Jersey

Project Manager in charge of several high-rise building renovation projects in Jersey City exceeding \$5 million dollars. Duties included client solicitation, cost estimating & proposals, project setup, material ordering & tracking, as well as staff scheduling. Duties also included design and implementation of solutions for various structural and building construction defects.

1998 – 1999

Feist Engineering (Formerly RC Engineering) – Monroe, New Jersey

Design/Project Engineer involved with capital projects in Monroe Township and design of private client projects. Primary duties included CADD design/drafting, surveying, specification writing, estimating, and contract administration. Duties also included planning board reviews and private site plan and sub-division design. Developed and implemented the firms CADD system and standards.

1991 – 1998

RC Engineering & Management Associates Inc. – Brick, New Jersey



Mark A. Bean, PE, CGP, LEED AP, FIGP

Vice President of Water/Wastewater



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.

REPRESENTATIVE PROJECTS

Wastewater Infrastructure

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.

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.

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.

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



Mark A. Bean, PE, CGP, LEED AP, FIGP

Vice President of Water/Wastewater

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 SRVSA'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.



Mark A. Bean, PE, CGP, LEED AP, FIGP

Vice President of Water/Wastewater

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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Vice President of Water/Wastewater

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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Vice President of Water/Wastewater

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.



Mark A. Bean, PE, CGP, LEED AP, FIGP

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: 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.



Stanley J. Schrek, PE, AIA, PP, CME, LEED AP
Principal/Branch Manager



Mr. Schrek has over 44 years of experience in civil engineering, building design and construction management. As Engineer of Record for several municipalities throughout New Jersey, he has had direct responsibility for the planning, design and administration of capital improvement projects, and review services for local Planning and Zoning Boards. Mr. Schrek is the appointed engineer for the Town of Phillipsburg, in Warren County, the Borough of Raritan and the Borough of Manville in Somerset County, as well as the Township of Tewksbury in Hunterdon County. He also provides and has provided Professional Engineering Services for many other municipalities, Planning Boards and Zoning Boards. Mr. Schrek serves as the Branch Manager for the firm's Warren County office, located in Phillipsburg, NJ, and is a Member of the firm.

With experience in the public sector as a Director of Public Works/Municipal Engineer, Mr. Schrek has been responsible for all aspects of municipal infrastructure maintenance and repair including roads, storm sewer networks, water distribution systems, sanitary sewer conveyance systems, parks and other recreational facilities. As a Registered Architect, he has been involved with numerous building designs and renovations of municipal, scholastic and recreational buildings. His ability to perform as both a licensed engineer and registered architect provides his municipal clients with a full spectrum of knowledge and experience beneficial for the wide range of capital work and Planning /Zoning Board issues encountered in all levels of local government. In addition, Mr. Schrek has experience working with various agencies on the Federal, State and County levels as needed to obtain and manage grant opportunities as they present themselves to his municipal clients.

PROJECT EXPERIENCE

Municipal Engineer of Record

- Town of Phillipsburg
- Borough of Raritan
- Borough of Alpha
- Borough of Madison
- Borough of Pompton Lakes
- Township of Byram
- Borough of Edgewater
- Borough of Manville
- Township of Tewksbury
- Township of Washington

Planning and Zoning Board Engineer

- Township of Harmony
- Borough of Washington
- Borough of Raritan
- Borough of Manville
- Borough of Alpha
- Town of Phillipsburg

Special Appointments

- City of Lambertville
- Town/Village of Harrison, NY
- Township of Franklin
- City of Paterson
- Township of Bridgewater

Architect of Record

- County of Monmouth - Renovation of various office buildings
- Borough of Madison - Reconstruction/renovation to the James Madison Library
- Borough of Madison - Renovations to the interior of the Civic Center
- Town of Phillipsburg - Architectural Design of the new sewer plant administration building
- Town/Village of Harrison - Architectural Design of new park and recreation buildings
- Township of Washington - Architectural Design of Health Department Annex
- Township of Washington - Architectural Design of Community Center Renovations

LICENSES/CERTIFICATIONS

Licensed Professional Engineer
NJ #24GE02827500
NY #061173
PA #PE074415

Licensed Registered Architect
NJ #21AI00955100

Licensed Professional Planner
NJ #33LI00321300

Certified Municipal Engineer
NJ #0143

Certified Public Works Manager
NJ #M0435

GBCI - LEED Accredited
Professional

Certified Stormwater Program
Coordinator

EDUCATION

M.E. in Civil Engineering, 1984,
Stevens Institute of Technology,

B.E. in Civil Engineering, 1977,
Stevens Institute of Technology,

PROFESSIONAL AFFILIATIONS

NJ Society of Municipal
Engineers, President 2012
Executive Committee Advisory
Board Legislative Committee
NJDOT Steering Committee

American Institute of Architects,
Member

New Jersey Planning Officials,
Member



RECENT CAPITAL IMPROVEMENT PROJECTS

Municipal Building Parking Lot Improvements – Borough of Raritan – Grant Acquisition/Project Management/Engineering Design/Construction Administration and Inspection Service as related to the reconfiguration and reconstruction of the Municipal Building Parking Lot. Reconfiguration to increase parking demand was accomplished as well improvements to address ADA access compliance.

Merchant's Parking Lot – Borough of Raritan - Grant Acquisition/Property Acquisition/Project Management/Engineering Design/Construction Administration and Inspection Service as related to the design and construction of a parking lot to provide off-street parking for business owners and employees. The site enabled more on-street parking for business patrons. Scope included ADA compliance and lighting design.

Municipal Library Parking Lot Improvements – Borough of Manville - Grant Acquisition/Project Management/Engineering Design/Construction Administration and Inspection Service as related to the reconfiguration and reconstruction of the Municipal Library Parking Lot. Reconfiguration to increase parking demand was accomplished as well improvements to address ADA access compliance and lighting redesign.

Improvements to Union Square & Main Street – Town of Phillipsburg – Project Management/ Engineering Design/ Construction Administration/ Inspection Services for the revitalization of Phillipsburg's downtown business district. The project has been completed over 7 phases. Each phase has focused on road improvements including ADA compliant sidewalks and pedestrian crosswalks, streetscape, lighting and utility upgrades. The project has been funded through multiple grants provided by both the Delaware River Joint Toll Bridge Commission (DRJTBC) and the New Jersey Department of Transportation (NJDOT). Construction started with Phase 1 in the summer of 2008 and will be completed with Phase 7 scheduled to commence in the spring of 2016.

Improvements to Orlando Drive – Borough of Raritan – Project Management/ Construction Management/Inspection Services for multiphase road improvement project. The project is a key element in the economic development of Raritan Borough's riverfront initiative. Multiple permitting and design challenges were presented as the project route traversed a capped municipal landfill as well as state delineated flood hazard areas. Phase 1 which included the total reconstruction of the segment of Orlando Drive which had been constructed over the capped landfill was completed in 2013. Phase 2 which included pedestrian improvements designed to make the riverfront more attractive to both residents and tourists was completed in 2014. Phase 3 focused on improvements to provide pedestrian links from the downtown business district to the riverfront was completed in 2018. The Borough of Raritan has been working in partnership with Rutgers University to develop recreational facilities along the Raritan River. The improvements made to Orlando Drive were necessary to attract the stockholders required to make this riverfront development successful. The grants utilized for the improvements to Orlando Drive were obtained from both the NJDOT and Somerset County.

Inflow and Infiltration Study/Corrections – Borough of Raritan – Engineering Design/ Construction Management of video inspection and subsequent repairs made to the borough's aging sanitary sewer system. Scheduled repairs have included the sealing of manholes, joint grouting, joint repairs, cured in place liners and other trenchless technologies in an effort to preserve the municipal road network. Grants were obtained from Somerset County for this work which began in 2006.

Guagnini Park Improvements –Town/Village of Harrison, NY – Project Management/Engineering Design/Inspection Services for a multi-use recreation facility including ball fields, picnic areas and community swimming facilities. Project tasks included architectural design of service buildings, picnic pavilions and dugouts.

Various Planning and Zoning Board Reviews – Multiple Municipalities – Review services and report preparation for Boards for all types with projects ranging from small residential additions to large commercial/industrial site plans and subdivisions to large multi-unit residential projects.



RECENT ARCHITECTURAL ASSIGNMENTS

Municipal Building Improvements – Borough of Raritan – Engineering Design/ Inspection Services for the installation of ADA compliant walkways and entrances, the redesign of the HVAC system utilizing the latest energy efficient technology and the installation of the new emergency generator. The project was partially funded through grants provided by Somerset County and the State of New Jersey.

Historic Anderson Street Firehouse Renovations – Borough of Raritan - Construction Management /Administration services for this renovation project funded by the New Jersey Historic Trust.

Phillipsburg Sewer Utility Administration Building – Town of Phillipsburg – Complete architectural service for building design, site design and construction administration for a new administration building to service the Utility's plant in Phillipsburg. The scope of services included HVAC, electrical and plumbing design.

County Administration Building/Courthouse – County of Monmouth – Architectural services for the design of relocated office space. Also included was tenant fit-up to various off-site/satellite facilities within the county.

RECENT PLANNING AND ZONING BOARD REVIEWS

Somerset Run Active Adult Community – Township of Franklin – Planning Board Review/ Inspection Services for this 759 multi-unit development. The developer has recently been released from the performance bond and is now under the maintenance bond.

Stone Bridge at Raritan – Borough of Raritan – Planning Board Review/ Mediation/ Inspection Services for this 429 multi-unit residential development.

Riverview at Delaware Station – Town of Phillipsburg – Planning Board Review for this 450 multi-unit development. As this is an important economic opportunity for the town, we are working with the developer to assure state regulatory approvals as well as assuring compliance with the Towns codes, regulations and ordinances.

Bridge Point 78 - Town of Phillipsburg - Planning Board review and inspection services for this 300 acre logistics park located at the former Ingersoll Rand Industrial Complex.

RECENT PLANNING ASSIGNMENTS

Phillipsburg Heritage Trail – Town of Phillipsburg – Conceptual design and program implementation of an extensive walking, hiking and biking trail system within the Town of Phillipsburg. The trail focuses on the historic assets remaining of the Town's canal and railroad heritage. The project is supported by the National Park Service and is funded by the NJ Highlands Commission.

Green Development Checklist – Borough of Raritan – Developed a checklist, to be submitted with any land development application, that list various green building design strategies that can be implemented as part of a residential or commercial development. Following LEED guidelines, the checklist is guide for an informed dialogue between the applicant and the Planning Board regarding possible environmentally sustainable options and opportunities.

Orlando Drive Vision Plan and Corridor Design Study – Borough of Raritan - Under the auspices of the Municipal Land Use Center and the Somerset County Regional Center, the plan provided a vision statement and general recommendations for revitalization of the corridor. The plan then served as the basis to implement Master Plan amendments and following enabling ordinances.



Robert Olivo

Construction Observer Level 3

For over 30 years, Mr. Olivo's experience primarily related to the duties of a Municipal Principal Public Works Manager. Mr. Olivo served as Superintendent of the Netcong Borough Department of Public Works from 1983 until his retirement in 2014. During this period Mr. Olivo was responsible for planning, scheduling, directing, conducting and controlling the daily and long term operations of all Borough public works activities.

WORK EXPERIENCE

2019 – Present	Van Cleef Engineering Associates, LLC Mt. Arlington, NJ
2014 – 2019	Guerin & Vreeland Engineering, Inc. Flanders, NJ
1977 – 2014	Borough of Netcong Netcong, NJ

Mr. Olivo's experience has been primarily related to the duties of a municipal engineering construction inspector. Mr. Olivo's general responsibilities include on-site construction observation, coordination with contractors, municipal engineer, municipal officials as well as preparation of daily reports.

Mr. Olivo has provided field inspection, construction observation and report documentation services as the primary field representative for numerous roadway, sidewalk, drainage, water system, wastewater system and other capital improvement projects completed within Sussex, Morris and Bergen Counties.

Mr. Olivo is a Licensed Operator, with a specialty in public water systems and public wastewater collection systems. He currently holds C-2, W-2 and T-1 licenses in New Jersey and is the designated operator or secondary operator for water and wastewater systems located in Sussex, Morris and Warren Counties.



LICENSES/CERTIFICATIONS

Public Wastewater Collection
System C-2 License

Public Water Distribution
System W-2 License

Public Water Treatment
System
T-1 License

Certified Animal Control
Officer

EDUCATION

Lenape Valley Regional High
School, 1976.

Numerous Training and
Continuing Education
Programs

Kevin A. Kester, ASLA, LLA, RLA
Director, Landscape Architecture



As the Director of Landscape Architecture, Mr. Kester has over 40 years of experience, including Site Planning, Zoning, Engineering Design and Landscape Architecture for residential, commercial and industrial developments, Recreational Site Design, and Municipal reviews. He has been responsible for many successful park designs throughout the region. Mr. Kester is active in the New Jersey Chapter of the American Society of Landscape Architects.

PROJECT EXPERIENCE

River House at Odette's, New Hope, PA - This site is approximately 15,000 sf in size, and is located along River Road at the southerly gateway to New Hope Borough. Situated within a narrow portion of land between the Delaware River Canal and a canal outlet, this project consists of the redevelopment of the famous Chez Odette's. It also involved relocating the original historic stone structure approximately 900 feet north, to a property at the corner of New Street and River Road, to be used as an Interpretive Center. The River House at Odette's now consists of a multi-story building with Hotel, Banquet and Restaurant facilities, including 36 hotel rooms, seating for approximately 300 restaurant guests and over 4,000 sf of banquet space. While much of the parking will be provided off-site via valet services, approximately 50 spaces will be provided on-site, with a mix of surface parking and structured parking located under the building. Van Cleef provided survey services, site layout designs, and land development plans as well as landscape architectural and site lighting services.

Roeser Park (in progress), Bucks County, PA - This park consists of approximately 79 acres of meadow, agricultural land and woodland, located at the northeast corner of Street and Upper Mountain Roads. A 10,000 s.f. Roadway and Maintenance Facility for the Township will be located on the property, as well as a new state-of-the-art Ambulance and Rescue Squad. The project is to be LEEDS platinum certified with green roof technology on the proposed buildings, recapture and reuse of stormwater from the site for truck washing, restroom facilities, and irrigation. The buildings are also intended to take advantage of solar and wind power for much of the electrical and heating/cooling system. Multi-play fields, a concession stand, a hiking and walking trail system, picnicking, and some continued organic farming are also proposed for the site. This park promises to be on the cutting edge for green technology in the Bucks County area and Pennsylvania as a whole. Tours of this state-of-the-art facilities are planned for the near future.

Fred Beans Family of Dealerships – SAAB/Cadillac Dealership, Plumstead Township, Bucks County, PA: Van Cleef prepared design plans for the new Saab/Cadillac Dealership to be located next to the Chevrolet Dealership for Fred Beans family of Dealerships, located on the northbound side of North Easton Road, PA Route 611 near the intersection of Cross Keys Road in Plumstead Township, Bucks County, Pennsylvania. The 4.829 Acre property, which already contained a Chevrolet Dealership under the same ownership, was to be appended to propose a G20 Motor Vehicle Sales permitted use in this C-2 Highway Commercial Zoning District. The new Saab/Cadillac Dealership would house a 21,054 s.f. building, of which 4,070 s.f. is devoted to display area. A total of 101 parking spaces was required for the new Saab/Cadillac Dealership, and we were able to provide 104 parking spaces, which was more than sufficient. Accommodating the required parking spaces within the boundaries of this existing site without requiring zoning relief was a particular challenge with this project.

LICENSES/CERTIFICATIONS

Registered Landscape Architect: Commonwealth of PA, #LA-000883-E

Licensed Landscape Architect: NJ, #AS00540

EDUCATION

B.S. in Landscape Architecture
Sigma Lambda Alpha,
Landscape Architecture Honor Society, Penn State University, State College, PA, 1981

PROFESSIONAL AFFILIATIONS

American Society of Landscape Architects, New Jersey Chapter

Examination and Evaluation Committee, New Jersey State Board of Architects: 1994 to 2003,
Chairman: 1996 & 2001

New Jersey State Representative for the National Council of Landscape Architectural Registration Boards

Continuing Education Committee for National Council of Landscape Architectural Registration Boards

Chairman, Heritage Conservancy Business Committee, 2006-2020

Member, Historic Architectural Review Board, New Hope, PA, 2020-present



Kevin A. Kester, ASLA, LLA, RLA
Director, Landscape Architecture

Richland Township Park, Bucks County, PA: Mr. Kester was responsible for the design and layout of this active recreational park. The park consists of a ¾-mile paved walking trail which connects to the hiking trail and surrounds a baseball field, two basketball courts and two tennis courts. The park amenities provided were the result of a public survey. Van Cleef Engineering Associates also provided inspection services during the construction of the park.

Ann Banchoff Memorial Park, Master Site Planning through Construction Documentation, Mercer County, New Jersey - Project manager for this 48+ acre passive and active recreation park. Mr. Kester was contacted to design the park after an environmentally conscious resident donated nearly 50 acres to the township. Funding was also partially provided by New Jersey State Green Acres program. He managed the design of this park project from the Conceptual Park Master Site Plan phase through Engineering Design drawings, specification and bid coordination and final contractor selection. He also coordinated construction via periodic site visits, including change orders and contractor payment approval.

Tomm May Memorial Hiking Trail System, Mercer County, New Jersey: Responsible for coordination of the design and construction of a one and one-half mile hiking trail system winding through the existing woods and wetlands at the existing Tantom Park off of Route 130 in Washington Township, Mercer County, NJ.

Ewing Township Municipal Park, Site Design, Mercer County, New Jersey - Project manager for the 15+ acre active recreational park surrounding the newly constructed municipal building located on Upper Ferry Road in Ewing Township, NJ. His efforts on this park consisted of a survey of public interests and the design of the park amenities from the conceptual park master plan phase through the engineering design and specification writing for the construction documents. Funding was partially provided by the New Jersey State Green Acres program.

Van Horne Park, Site Design, Somerset County, New Jersey - Van Horn Park was created as a collaborative effort by the Borough of Rocky Hill and the Township of Montgomery. It is located on approximately 95 acres of land. There are extensive wetlands along the southern portion of the park which required state permits to connect the walking trail from the park to Princeton Avenue. A bridge across Van Horn Brook was also required. The western portion of the park, or the active side, takes access from Route 206 through the shopping center parking lot. This parking lot can accommodate approximately 100 cars during a game or event. This portion of the tract is comprised of 2 multi-purpose fields that can accommodate soccer or football, two softball fields, a picnic pavilion and restroom facilities.

Victor Crowell Park, Middlesex County, New Jersey - Van Cleef created a plan to renovate this 40-year old park. The park's main feature, a 7-acre lake, was dredged and its banks restored. An environmentally conceived landscape plan complemented the lake, and includes plantings to discourage problematic Canada geese. Boardwalks made of recycled plastic surround the lake, and a bike/ pedestrian path replaced an old road. The park was funded in part by grants from Middlesex County totaling more than \$750,000, in addition to a New Jersey Department of Transportation Bicycle Path grant.

Monocacy Park and Streetscape, Borough of Bath, Northampton County, Pennsylvania - Van Cleef is currently working with the Borough of Bath, in Northampton County, on their Phase II project for the Monocacy Park and Streetscape. This project involves the design of a small pocket park, complete with decorative pavements, benches, clock tower, lighting, landscaping, on-street parking, sidewalks and other miscellaneous improvements. VCEA is preparing contract documents and is coordinating all aspects of design and construction with PennDOT, DCNR, DEP and local and county authorities. This project is partially funded by Growing Greener II and Community Conservation Partnerships Program funding lines.

Downtown Streetscape Improvements, Borough of Hightstown, Mercer County, New Jersey: The project includes complete curb and sidewalk replacement with a combination concrete and Brick paver sidewalk; installation of benches, bollards and trash receptacles; full replacement of street lighting; road alignment changes necessitating traffic signal relocation and textured pavement for crosswalks and decorative pavement.



Kevin A. Kester, ASLA, LLA, RLA
Director, Landscape Architecture

Center Street Reconstruction, Town of Clinton, Hunterdon County, New Jersey: Sensitive design of sidewalks, roadways and drainage improvements, incorporating the historical character of the neighborhood.

Harrison Street Reconstruction, Borough of Frenchtown, Hunterdon County, New Jersey: Reconstruction of approximately two blocks of Harrison Street and a subsequent contract for the reconstruction of the remaining blocks of Harrison. Van Cleef also coordinated the issuance of permits from the NJ State Office of Historic Preservation. Concrete pavers with Belgian Block curbing and new light fixtures were incorporated for a complete streetscape reconstruction.

Clinton Wellness Center, Clinton, New Jersey: Project Principal responsible for management of engineering services provided in the development of a 30-acre site for use as a Health and Wellness facility, including over 80,000 square feet of wellness (fitness) center and medical office space. Services included site engineering, grading, drainage, stormwater management, on-site wastewater facility design, regulatory permitting, municipal approvals and landscape design.

Mercer Museum, Bucks County, Pennsylvania: Constructing a 13,000 s.f. addition to the west side of the existing Mercer Museum. The addition will replace the existing entry plaza, as well as include additional exhibit space. The adjoining parking lot will be reconfigured to provide for additional parking. Van Cleef role: In an effort to minimize the impact of the building addition and parking, we will be designing a roof top runoff management system (green roof). We will also be designing the 78-space parking lot to utilize porous paving and an underground stormwater management facility to promote groundwater recharge. Additional Best Management Practice elements, such as bioswales and rain gardens may also be utilized in the design, should site conditions support them.

Logan Square Shopping Center Parking Lot, Solebury Township, Bucks County, Pennsylvania: With the construction of a 10,000 s.f. Fine Wine and Spirits Store for the Pennsylvania LCB and a 10,000 s.f. Beer Distributor, Van Cleef coordinated a 101 parking space public parking lot in Solebury Township, Bucks County, Pennsylvania, which incorporates planting islands, connecting walkways and rain gardens for cutting-edge stormwater management, along the Aquatong Creek with high quality designation for important aquifer recharge of the area.



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.

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.

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).



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



John Murphy, PE

Senior Professional Engineer

Mr. Murphy has over 15 years of experience in the planning, analysis and design of various transportation projects for both the NJDOT and various Counties. He has provided design services on numerous drainage improvement, dams, roadway reconstruction, and bridge replacement projects, including roadway design, roadway drainage design, stormwater systems design, scour analysis and bridge / culvert hydraulic analysis, utility coordination, and maintenance and protection of traffic. Mr. Murphy also has experience with stormwater management, NJDEP flood hazard area rules and regulations, various Soil Conservation Districts, and NJDEP Green Acres Program. Duties have also included coordination with local officials and public coordination, preparation of cost and quantity estimates, preparation of supplementary specifications, and coordination with agencies, contractors and fabricators during construction.

RELEVANT PROJECT EXPERIENCE

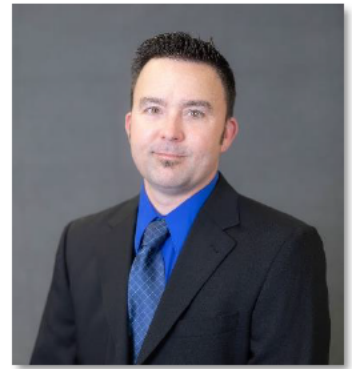
County of Morris, Reconstruction of County Bridge 1400-948, Russia Road over Russia Brook, Jefferson Township – Senior Engineer for replacement of the existing bridge over the Russia Brook. Duties included preparation of HEC-RAS hydraulic model of existing and proposed conditions, including sizing proposed structure. Duties also included roadway design, prepared the NJDEP Land Use Permit application, which included a Flood Hazard Area and Freshwater Wetlands General Permits.

County of Somerset, Rehabilitation of County Bridge G0803, Finderne Avenue over Cuckels Brook, Bridgewater Township – Roadway and Permitting Engineer for the superstructure replacement and substructure repairs of existing bridge over the Cuckels Brook. Prepared the NJDEP Individual Flood Hazard and Freshwater Wetland General Permit application.

County of Morris, Flanders-Netcong Road (County Route 613) Erosion Control, Mount Olive Township – Senior Engineer for embankment stabilization along the roadway. Duties included analyzing different erosion control alternatives, designing proposed embankment stabilization, and preparation of NJDEP Flood Hazard Area Individual Permit and Freshwater Wetlands General Permit application.

Township of Pohatcong, Replacement of Bridge 2120MR1 and River Road Retaining Wall – Senior Engineer for the replacement of the existing bridge over an unstudied tributary to the Delaware River. Duties included performing calculations utilizing NRCS TR-55 and the Federal Highway Administration "Hydraulic Design of Highway Culverts" (3rd Edition) manual to compare the existing and proposed structures. Prepared and obtained Individual Flood Hazard Area Permit and Freshwater Wetlands General Permit from NJDEP. Prepared design plans and specifications.

County of Somerset, Replacement of Somerset County Bridge B0404, Wertsville Road over Tributary to the Neshanic River, Hillsborough Township – Senior Engineer for replacement of the existing bridge over an unstudied portion of the Neshanic River. Duties included performing hydrologic calculations utilizing NRCS TR-55 and preparation of HEC-RAS hydraulic model of existing and proposed bridge waterway opening. The existing and proposed roadway elevation is below the Flood Hazard Elevation; the HEC-RAS model included existing and proposed parapets to accurately model the stream cross section at the bridge. Prepared and obtained Individual Flood Hazard Area Permit and Freshwater Wetlands General Permit 10B from NJDEP.



LICENSES/CERTIFICATIONS

Professional Engineer
New Jersey #24GE030963
Pennsylvania #PEO79497

EDUCATION

B.S., Lafayette College, Civil Engineering, 2006

PROFESSIONAL TRAINING

Flood Hazard Areas Control Act Rules, Technical Standards, Parts 1 and 2, Rutgers/NJDEP, 2020

HEC-RAS: An Intensive 3-Day Workshop at Rutgers

Stormwater Management Rules & BMP Manual, Rutgers, 2013 & 2007

HEC-RAS: An Intensive 3-Day Workshop, Rutgers, 2009

NJDEP New Flood Hazard Area Control Act Rules, Rutgers, 2020 & 2009



Heaters Pond Dam, Armoring and Rehabilitation, Borough of Ogdensburg, Sussex County – Senior Engineer for armoring and rehabilitation of 300' long, 8; high dam in Sussex County. Prepared HEC-HMS (replaced HEC-1) hydrologic model to determine design flows and to perform breach analysis. HEC-HMS model included breaching of Heaters Pond and downstream railroad embankment. Prepared HEC-RAS model of area downstream of Heaters Pond Dam and entered HEC-HMS hydrographs to determine inundation depths. Submitted Spillway Design Report to NJDEP Dam Safety. Prepared plans and specifications for grouted riprap armoring, concrete patching, crack repair and stoplog assembly replacement. Prepared permit applications for Dam Safety and Freshwater Wetlands GP-18. Prepared inundation map and updated emergency action plan.

Cozy Lake Road over the Pequannock River (Morris County Bridge 1400-323), Township of Jefferson, Morris County, New Jersey; Township of West Milford, Passaic County, New Jersey – Prepared roadway design plans and NJDEP permit applications for replacement of 60' span concrete arch bridge with new precast concrete arch bridge on new reinforced concrete substructure, including approximately 300 L.F. of roadway reconstruction. Project included topographic survey, roadway and bridge design, obtaining NJDEP Flood Hazard Area and Freshwater Wetlands permits, detour plan, specifications, coordination with utilities and the NYS&W RR, and obtaining Green Acres approval of temporary right of entry for regrading in lands of the Newark Water Conservation and Development Corporation.

Replacement of Hunterdon County Bridge A-52, County Route 519 over Harihokake Creek, Alexandria Township, Hunterdon County, New Jersey – Prepared roadway design plans and NJDEP permit application for replacement of steel girder bridge and weir with 20.4' span precast reinforced concrete frame and reinforced concrete weir in Mt. Pleasant Historic District. Tasks included preparation of HEC-RAS hydraulic model of existing and proposed conditions, NJDEP Flood Hazard Area Individual Permit and Freshwater Wetlands General Permits, detour plan, roadway construction plan, roadway profile, storm drainage modifications and streambank stabilization.

Stabilization of Lopatcong Creek Channel at Phillipsburg Sewer Treatment Plant, Town of Phillipsburg, Warren County, New Jersey – Senior Engineer for the restoration and stabilization project of the Lopatcong Creek in the vicinity of the Phillipsburg, NJ sewage treatment plant after severe bank erosion and collapse due to Hurricane Irene and Tropical Storm Lee. Hydrologic & hydraulic duties included preparation of HEC-RAS models of pre-erosion / existing conditions and development of stabilization alternatives. Velocity calculations for design of stability measures were based on ignoring backwater from the Delaware River. Prepared the construction plans, NJDEP Flood Hazard Area Individual Permit and Freshwater Wetlands Individual & General Permits application. Provided design and details of stabilization and restoration methods included hard armoring, soil bio-engineering, and vegetation measures.

Reconstruction of Morris County Bridge 1400-814, Palmer Road over Mill Brook, Morris County, New Jersey – Roadway and Permitting Engineer for bridge replacement project on NJDEP-studied stream, including approximately 500' of road improvements. Tasks include preparation HEC-RAS models for existing and proposed conditions. The HEC-RAS analysis, including flood routing calculations, was performed both considering and ignoring backwater effects from the Rockaway River that this watercourse converges with approximately 500 feet downstream of the project. Performed scour analysis of the proposed structures. Prepared NJDEP Flood Hazard Area Individual Permit and Freshwater Wetlands GP-10A permit application & plans in accordance with the NJDEP Flood Hazard Control Act. Highway duties included: design of roadway widening, design of roadway profile, design of storm drainage improvements (including spread calculations), preparation of roadway technical specifications, and preparation of detour plan including obtaining NJDOT Highway Occupancy Permit. Project eliminated hazardous vertical alignment within floodplain.



County of Morris, Reconstruction of County Bridge 1400-808, Mill Road over Watnong Brook, Morris Township – Senior Engineer for replacement of the existing bridge over the Watnong Brook. Duties included preparation of HEC-RAS hydraulic model of existing and proposed conditions; design to stabilize and restore an eroded channel bank, preparation of NJDEP Land Use Permit application, which included a Flood Hazard Area Individual Permit and Freshwater Wetlands General Permit.

Replacement of Somerset County Bridges B0402 and B0403, Wertsville and Montgomery Roads over Tributary to the Neshanic River, Somerset County, New Jersey – Senior Engineer for project to replace two existing structures carrying roads over unstudied tributary to the Neshanic River and also to replace retaining wall along highly altered channel between the two bridges. Duties included performing watershed calculations (WMS) to develop design flows utilizing NRCS TR-55, developed HEC-RAS hydraulic model, including flood routing calculations, of existing and proposed conditions to determine proposed waterway opening for both structures. Performed scour analysis of the two proposed bridges and along the proposed retaining wall. Prepared NJDEP Flood Hazard Area Individual Permit and Freshwater Wetlands GP-10A permit application & plans in accordance with the NJDEP Flood Hazard Control Act. The HEC-RAS analysis was performed both considering and ignoring backwater effects from a larger tributary of the Neshanic River that this tributary converges with approximately 200 feet downstream of the project. Highway duties included: redesign of roadway intersection, design of roadway profile, design of storm drainage improvements (including spread calculations), preparation of roadway technical specifications, and preparation of a multi stage traffic control plan.

Hunterdon County Route 519 at Warren Glen Hill, Hunterdon County, New Jersey – Senior Engineer for \$6 million road widening and realignment roadway through Musconetcong Gorge Nature Preserve in Holland Township, Hunterdon County. Project consists of reconstruction, widening and realignment of approximately 5,000 l.f. and milling/overlay of 2,100 l.f. of County Route 519, providing shoulders, new guide rail and improved alignment, including 1,750 l.f. of MSE retaining walls around detention basin and along widened roadway. Designed storm water collection system including spread calculations for inlets along curbed portion of roadway. Prepared plans in accordance with the NJDEP Flood Hazard Control Act. Collaborated with subconsultant for NJDEP permit plans and development of stormwater management plan, including flood routing calculations and design of retention basin for water quality. Bioretention basin utilized to meet Stormwater Management requirements. Designed horizontal & vertical alignment and superelevation. Performed utility coordination and prepared Green Acres applications. Highway duties included: design of roadway widening and design of storm drainage improvements (including spread calculations).



Lawrence M. Diffley, PE, PTOE
Principal, Director of Highway Design



Mr. Diffley has over 30 years of experience in the planning, analysis and design of numerous transportation projects, including significant public outreach and community involvement. He has provided QA/QC review, design and management services on many highway and bridge improvement projects, including road safety audits, roadway design, pavement reconstruction, intersection design, access design, drainage and stormwater management, guide rail, grading, profiles, signing and striping, ADA curb ramps, guide signs, cross sections, traffic control staging and detours, utility relocations, environmental technical studies and permitting, project specifications, and right of way acquisitions. He has led the public outreach and community involvement efforts on numerous projects, including conducting stakeholder meetings, community workshops, Public Information Centers (PICs), Public Involvement Action Plans (PIAPs), and obtaining resolutions of public support from municipal and County governments and local communities.

PROJECT EXPERIENCE

Mays Landing Roadway Improvements from Route 73/Atlantic City Expressway Ramp to County Border – Township of Winslow, Camden County, NJ: Principal-In-Charge providing engineering design services, including preliminary and final engineering plans, specifications, construction cost estimates, and certifications for roadway improvements within the Camden County right-of-way of Mays Landing Road (CR 561-S). Financing for the construction of this project has been approved through 2021 County Aid funds. Per the project's scope, the project design must also adhere to all federal design guidelines and requirements in order for the contract documents to be "shovel ready" and submitted for federal funding should "quick obligation" funds or Federal Infrastructure Investment and Jobs Act (IIJA) funds become available to Camden County. The roadway improvements involve full depth pavement reconstruction, full depth reclamation, milling and pavement overlay, replacement of inlet grates with bicycle and eco-friendly grates, as well as signage and striping upgrades to meet current MUTCD requirements. Project elements also include topographic surveys, wetlands delineation, horizontal and vertical geometric design, grading design, drainage design, signing and striping design, traffic control and staging, coordination with utility companies to determine the depth and condition of the utility, and public outreach.

Replacement of Duck Farm Bridge on Hooper Avenue (CR 631) – Township of Brick, Ocean County, NJ: Principal-In-Charge providing design services for the replacement of Duck Farm Bridge (Structure No. 1506-013) on Hooper Avenue (CR 631) over the Cedar Bridge Branch of the Metedeconk River. An alternatives analysis was prepared, and a Concept Design Report was submitted to the County to identify the preferred option, considering the impacts of each potential alternative. The proposed bridge will consist of a precast concrete three-sided rigid frame. The roadway's horizontal curvature, as well as profile and superelevation cross section will be maintained, in order to minimize environmental, right-of-way, and utility impacts. Design efforts include the design of the new bridge, horizontal and vertical geometry, guide rail, ADA curb ramps, full depth pavement, drainage, right-of-way acquisitions, and utility relocations. The project involves the acquisition of NJDEP Permits, including Tidelands, Coastal Wetlands, Waterfront Development In-Water Individual Permit, CAFRA Individual Permit, Freshwater Wetlands GP-10, and a Water Quality Certificate. The bridge is situated along Hooper Avenue (CR 631), a busy north-south corridor, and this roadway provides important north-south connectivity to local and regional land uses. In order to maintain traffic along the corridor, the project will be constructed under several stages of construction. The project was designed in accordance with Ocean County, NJDOT, and AASHTO design standards.

LICENSES/CERTIFICATIONS

Professional Engineer

New Jersey #24GE042159

Pennsylvania #PE055869E

New York #076235

Professional Traffic
Operations Engineer, #2861

EDUCATION

M.S. Transportation Planning
& Engineering, Polytechnic
University, 1998

B.S. Civil Engineering,
Manhattan College, 1993

PROFESSIONAL AFFILIATIONS

Design of ADA Curb Ramps,
Rutgers University CAIT, 2013
FHWA - Work Zone Training
Program Development and
Implementation, 2012

Work Zone Safety Awareness,
Rutgers University, 2009
Road Safety Audit Train the
Trainer Rutgers University
Eminent Domain in NJ,
Lorman
Education Services

Professional Leadership
Curriculum Program, NJSPE



Lawrence M. Diffley, PE, PTOE

Principal, Director of Highway Design

East Taunton Road (CR 536) Roadway Improvements – Winslow, Waterford, Berlin, Camden County, NJ: Project Manager providing engineering design services, including preliminary and final engineering plans, specifications, construction cost estimates, and certifications for roadway improvements within the Camden County right-of-way along East Taunton Road (CR 536), from White Horse Pike to Tansboro/Blue Anchor Road (CR 561), in Winslow Township, Waterford Township, and the Borough of Berlin, Camden County. The scope of work included the roadway safety and condition inspections to identify safety and operational issues along the corridor. This included the inspection and assessment of pavement, drainage structures, grading, curbing, signage, striping, driveways, sight distance, access, connectivity, and overall traffic flows. Roadway improvements include the replacement of vertical curbs, driveways, full depth pavement reconstruction, re-grading to eliminate roadway ponding and flooding, milling and pavement overlay, cleaning of drainage pipes and drainage structures, replacement of inlet grates with bicycle and eco-friendly grates, as well as signage and striping upgrades to meet current MUTCD requirements. Coordinated with Camden County and the NJDOT to obtain federal funding for this project.

Hamburg Turnpike & Valley Road Intersection Improvements – Township of Wayne, Passaic County, NJ: Project Manager for the widening of Paterson Hamburg Turnpike, a highly congested urban corridor with several substandard safety and operational features. The project included the design of a new concrete median barrier to separate high speed EB/WB traffic to enhance safety along the corridor. It also involved the replacement of a bridge along the corridor, construction of two new culverts to accommodate new jughandles, and new traffic signals at two intersections. Duties included the design of new geometric alignments to meet design safety standards, stormwater management and drainage design, traffic planning and engineering, maintenance and protection of traffic (MPT) and staging plans, right of way acquisitions, signing and striping design, soil erosion and sediment control design, ADA curb ramp design, and extensive relocation of utilities, including electric, telephone, gas, water, and sanitary sewer mains. Comprehensive staged construction schemes were needed to accommodate multiple utility relocations suspended on the bridge, and maintaining traffic for the replacement of the existing bridge structure.

Replacement of Bridge S-14 on County Route 50 over Swimming River – Colts Neck, Middletown, Tinton Falls, Monmouth County, NJ: Principal-In-Charge providing design services for the replacement of Bridge S-14 carrying County Route 50 (Swimming River Road) over Swimming River. The proposed design includes a 40' wide roadway approach and bridge section, an increase in the roadway profile to improve the substandard vertical geometry, superelevated cross section, permanent roadside sheeting to support the new elevated roadway, new abutments and wing walls, new sidewalks and parapets, new guide rail, drainage improvements, full depth pavement reconstruction, relocation of a variety of utilities (including a 20" steel gas main), geotechnical foundation design, signing and striping design, comprehensive construction staging (no detours), as well as and right-of-way acquisitions, including Green Acres coordination. The project is designed in accordance with Monmouth County, NJDOT, and AASHTO design standards.

Sharon Station Road (CR 539A) Corridor Improvements – Township of Upper Freehold, Monmouth County, NJ: Project Manager for the reconstruction and widening of approximately 1.5 miles of the Sharon Station Road (CR 539A) corridor between CR 526 and CR 539. The existing two-lane undivided roadway has several substandard operational and safety features, including intersection delays, poor sight distance, narrow bridge crossings, no shoulders, and flooding during rain events. This corridor was realigned and widened to improve geometric alignments, provide a new pavement section, improve drainage, provide shoulders, provide a landscaped median, widen three bridges, relocate a variety of utilities, and improve intersection capacity at the north and south limits of the project. A traffic impact study was prepared to evaluate traffic operational and safety conditions along the corridor and at the intersections. The project also required a number of environmental technical studies including impact evaluations for noise, threatened and endangered species, cultural resources, wetlands, and flood hazard areas, and required obtaining individual Permits from the NJDEP. The project was designed in accordance with Monmouth County, NJDOT, and AASHTO design standards. Extensive Community Outreach was required, including coordination with local residents, businesses, and local officials.



Carl M. Herrman, P.L.S.

Director of Surveying



Mr. Herrman is a graduate of the New Jersey Institute of Technology with a Bachelor of Science degree in Land Surveying. He is a licensed professional land surveyor in New Jersey, Pennsylvania and New York, and has over 30 years of experience in the field of land surveying. Mr. Herrman has experience relating to the preparation of Boundary Surveys, Green Acres and SADC Surveys, Topographic Surveys and Construction Layout Surveys. He has experience preparing Existing Conditions surveys depicting ground topography and bathymetric data, including existing road rights of way and property lines for use in the design and reconstruction/replacement of numerous road and bridge projects. His background also includes construction stakeout for road, bridge and dam projects, steel layout for large buildings, as well as residential surveys and farmland preservation surveys.

Mr. Herrman is also the municipal surveyor for multiple municipalities in New Jersey. He prepares existing condition surveys for capital improvement projects, performs stakeout services for municipal construction projects and performs reviews of subdivision plans on behalf of the Town Engineer. He also maintains and updates the Tax Maps for each municipality as required.

PROJECT EXPERIENCE

Replacement of Morris County Bridge 1400-808, Mill Road over Watnong Brook – Morris Township, Morris County, NJ: Project Land Surveyor responsible for obtaining location of existing features, stream cross sections, property lines and R.O.W. lines for replacement of bridge and reconstruction of approach roads. Performed and prepared existing conditions plans. Performed deed and right-of-way research and established property lines and road right-of-way lines. Oversaw preparation of base map, including TIN and contour development, as well as establishment of baselines and control points. Prepared R.O.W. documents for construction easement.

Replacement of Somerset County Bridge G0903 over West Branch Middle Brook, Newmans Lane – Franklin Township, Somerset County, NJ: Project Land Surveyor responsible for obtaining location of existing features, stream cross sections, property lines and R.O.W. lines for replacement of bridge and reconstruction of approach roads. Performed and prepared existing conditions plans. Performed deed and right-of-way research and established property lines and road right-of-way lines. Oversaw preparation of base map, including TIN and contour development, as well as establishment of baselines and control points. Township park lands abut the bridge and a Green Acres Diversion survey and descriptions were prepared.

Sharon Station Road Corridor Improvements – Upper Freehold Township, Monmouth County, NJ: Project Land Surveyor for the reconstruction and widening of approximately 1.5 miles of the Sharon Station Road corridor between C.R. 526 and C.R. 539. The existing two-lane undivided roadway has several substandard operational and safety features, including intersection delays, poor sight distance, narrow bridge crossings, no shoulders, deteriorated pavement, and flooding during rain events. This corridor will be realigned and widened to improve horizontal and geometric alignments, provide a new pavement section, construct drainage improvements, provide shoulders, provide a landscaped median, widen three bridge locations, relocate a variety of utilities, and improve intersection capacity at the north and south limits of the project. A traffic impact study was prepared to evaluate traffic operational and safety conditions along the corridor and at the intersections. The project also requires a number of environmental technical studies including impact evaluations for noise, threatened and endangered species, cultural resources, wetlands, and flood hazard areas, and requires obtaining Individual Permits from the NJDEP. The project is designed in accordance with Monmouth County, NJDOT, and AASHTO design standards.

LICENSES/CERTIFICATIONS

Professional Land Surveyor

NJ - #GS42271

NY - #050723

PA - #SU061172

EDUCATION

B.S., Engineering Technology,
Surveying Option, New Jersey
Institute of Technology

AAS Surveying Program,
Mercer County Community
College

AAS Engineering Degree,
Raritan Valley Community
College

PROFESSIONAL AFFILIATIONS

New Jersey Society of
Professional Land Surveyors,
Rolling Hills Chapter

National Society of
Professional Surveyors

New York State Association of
Professional Land Surveyors



CR 547 & 524/524A Intersection Improvements – Location: Howell Township, Monmouth County, NJ: Project Land Surveyor for the design of safety and operational improvements at the intersection of C.R. 547 & 524/524A in Howell Township. This signalized intersection is located just north of the interchange of County Route 547 and Route I-195. Project elements include: ground and aerial surveys, traffic counts during peak travel periods, preparation of a traffic impact report, evaluation of crash data, preparation of a concept alternatives design report, horizontal and vertical geometric design, traffic signal design, lighting design, utility relocations, drainage design, sign & striping design, right of way acquisitions and parcel maps, traffic control and staging design, project specifications and construction schedule. Coordination with the NJDOT is required due to proposed modifications to the Route I-195 ramp connection to C.R. 547.

Replacement of Bridge O-10 over Sunset Avenue – Ocean Township and Asbury Park, NJ: Project Land Surveyor for the replacement of Bridge O-10, that spans over Deal Lake between South Wanamassa Drive in Ocean Township and Bridge Street in Asbury Park. Project elements include providing horizontal and vertical geometric alignments on the bridge and adjacent intersections, evaluation of existing substructure and sight distance at the adjacent intersections and other roadway features, drainage design, implementing a load detour route, temporary construction easements, and utility relocations. This project is designed in accordance with Monmouth County, NJDOT, and AASHTO design standards. The project also required extensive community outreach, including stakeholders in both Ocean Township and Asbury Park, as well as NJ Transit.

Existing Conditions Survey for National Grid Gas Company – National Grid Gas Company, Brooklyn, Kings County, NY: Project Land Surveyor responsible for obtaining location of existing features, property lines and R.O.W. lines for construction of new gas transmission line. Performed and prepared partial boundary and topographic survey plans along existing gas transmission route (2,500 LF) including hydrographic survey of Paerdegat Basin. Performed deed and right-of-way research and established property lines, road right-of-way lines and US Pierhead and Bulkhead lines. Oversaw preparation of base map, including TIN and contour development, as well as establishment of baselines and control points.

Replacement of Hunterdon County Bridge F-45 – West Amwell Township, Hunterdon County, NJ: Project Land Surveyor responsible for obtaining location of existing features, stream cross sections, property lines and R.O.W. lines for replacement of bridge and reconstruction of 350' of approach roads. Performed and prepared existing conditions plans. Performed deed and right-of-way research and established property lines and road right-of-way lines. Oversaw preparation of base map, including TIN and contour development, as well as establishment of baselines and control points. Prepared right-of-way maps (ETM, GPPM, IPM) and descriptions for R.O.W. acquisition. Prepared Boundary Survey and metes and bounds descriptions for diversion of Green Acres lands.

Replacement of Hunterdon County Bridge W-124 – West Amwell Township, Hunterdon County, NJ: Project Land Surveyor responsible for obtaining location of existing features, stream cross sections, property lines and R.O.W. lines for replacement of bridge and reconstruction of 350' of approach roads. Performed and prepared existing conditions plans. Performed deed and right-of-way research and established property lines and road right-of-way lines. Oversaw preparation of base map, including TIN and contour development, as well as establishment of baselines and control points. Prepared right-of-way maps (GPPM, IPM) and descriptions for R.O.W. acquisition.

Hunterdon County Route 519 Climbing Lane Scoping – Holland Township, Hunterdon County, NJ: Project Land Surveyor responsible for obtaining location of existing features, road cross sections, property lines and R.O.W. lines along 1.2-mile County roadway. Performed deed and right-of-way research and established property lines and road right-of-way lines. Oversaw preparation of base map, including TIN and contour development, as well as establishment of baselines and control points. Performed and prepared existing conditions plans.



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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 a monthly detailed accounting 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 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 Town will be charged at the billing titles and rates outlined in the attached proposed 2025 Rate Schedule.

2025 Rate Schedule

Town of Boonton

Classification	Hourly Rate
Principal Engineer	\$166.00
Senior Structural Engineer	\$166.00
Senior Geotechnical Engineer	\$166.00
Supervising Professional Engineer	\$166.00
Senior Professional Engineer	\$166.00
Professional Engineer	\$155.00
Project Engineer	\$132.00
Director of Structural Engineering	\$166.00
Senior Technical Manager	\$155.00
Professional Planner	\$159.00
Senior Project Manager	\$155.00
Project Manager	\$150.00
Senior Project Designer	\$145.00
Technical Manager	\$150.00
Project Designer	\$138.00
Senior Engineering Technician	\$127.00
Engineering Technician	\$121.00
Senior CAD Technician	\$135.00
CAD Technician	\$128.00
Draftsperson	\$116.00
Geospatial Manager	\$133.00
Senior Geospatial Analyst	\$128.00

Classification	Hourly Rate
Geospatial Analyst	\$123.00
Director of Landscape Architecture	\$160.00
Landscape Architect	\$150.00
Geologist	\$144.00
Resident Construction Observer	\$150.00
Senior Construction Observer	\$137.00
Construction Observer/Level 4	\$128.00
Construction Observer/Level 3	\$123.00
Construction Observer/Level 2	\$117.00
Director of Surveying	\$166.00
Senior Professional Surveyor	\$156.00
Professional Surveyor	\$151.00
Surveyor	\$138.00
Senior Survey Technician	\$85.00
Technician/Level 2	\$89.00
Technician/Level 1	\$71.00
Two-Person Field Crew	\$185.00
Two-Person Field Crew/GPS	\$201.00
Robotic Unit - 1 Person Field Crew	\$166.00
Robotic Unit - 2 Person Field Crew	\$212.00
Unmanned Aerial Specialist	\$131.00

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
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

ADDRESS:

**32 BROWER LANE
HILLSBOROUGH NJ 08844-1270**

EFFECTIVE DATE:

06/08/09

TRADE NAME:

SEQUENCE NUMBER:

1491848

ISSUANCE DATE:

01/31/19



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.

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

ACTING DIRECTOR

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
Certificate of Authorization
Engineering & Land Surveying
09/23/2024 TO 08/31/2026
VALID
24GA28132300
License/Registration/Certificate #

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.

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

ELIZABETH MAHER MUOIO
State Treasurer



VANCLEE-01

MALMA1

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

4/17/2025

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	
INSURED Van Cleef Engineering Associates, LLC 32 Brower Lane Hillsborough, NJ 08844	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: The Continental Insurance Company of New Jersey		42625
	INSURER D:		
INSURER E:			
INSURER F:			

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	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☒ LOC OTHER:			S 2387965	5/1/2025	5/1/2026	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 500,000
							MED EXP (Any one person)	\$ 15,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
A	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY			S 2387965	5/1/2025	5/1/2026	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
A	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED ☐ RETENTION \$			S 2387965	5/1/2025	5/1/2026	EACH OCCURRENCE	\$ 10,000,000
							AGGREGATE	\$ 10,000,000
								\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) ☐ Y / N If yes, describe under DESCRIPTION OF OPERATIONS below		N / A	WC 9068030	5/1/2025	5/1/2026	☒ PER STATUTE ☐ OTH-ER	
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
C	Professional Liabili			AEH008222898	5/1/2025	5/1/2026	EachClaim/Aggregate	5,000,000
C	Pollution policy			AEH008222898	5/1/2025	5/1/2026	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

CANCELLATION

Evidence of Insurance

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

**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	Requester's name and address (optional)
6 City, state, and ZIP code HILLSBOROUGH, NJ 08844		
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	

Part II Certification

Under penalties of perjury, I certify that:

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

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

Sign Here	Signature of U.S. person <i>Jesudha Sithersingh</i>	Date 01/02/2025
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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