

	POSITION	Check which service(s) you are applying for	Total "Not to exceed" 2026 contract amount	Hourly Rate/ Flat Rate
10	Township Appraiser			
11	Prosecutor			
12	Conflict Prosecutor			
13	Public Defender			
14	Conflict Public Defender			
15	Planning Board Attorney			
16	Conflict Planning Board Attorney			
17	Planning Board Engineer/Professional Planner			
18	Conflict Planning Board Engineer			
19	Zoning Board Attorney			
20	Conflict Zoning Board Attorney			
21	Zoning Board Engineer/Professional Planner			
22	Conflict Zoning Board Engineer			
23	Financial Advisor			

	POSITION	Check which service(s) you are applying for	Total "Not to exceed" 2026 contract amount	Hourly Rate/ Flat Rate
24	Animal Control Services			
25	Tax Map Maintenance			
26	Storm Water GIS Mapping			
27	Potable Water & Sanitary Sewer GIS Mapping			
28	Grant Writer			

Request for Proposal
2026 Professional Services

**TOWNSHIP AND WATER/SEWER UTILITY
POOL ENGINEER**

Prepared for the:

Township of Barnegat
Ocean County
State of New Jersey
November 21, 2025

200 High Street
Mount Holly, NJ 08060
Telephone: 609-267-8310
Fax: 609-845-0300

201 Willowbrook Blvd
Wayne, NJ 07470
Telephone: 973-523-6200
Fax: 973-523-1765
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Richard A. Alaimo Associates
Consulting Engineers



Richard A. Alaimo Associates

200 High Street, Mt. Holly, New Jersey 08060 Tel: 609-267-8310 Fax: 609-845-0300
201 Willowbrook Blvd, Suite 501, Wayne, NJ 07470 Tel: 973-523-6200 Fax: 973-523-1765

November 17, 2025

Ms. Donna M. Manno, RMC, Municipal Clerk
Township of Barnegat
900 West Bay Avenue
Barnegat, NJ 08005

Re: Request for Proposals
2026 Professional Services
Township and Water/Sewer Utility Pool Engineer

Dear Ms. Manno:

Richard A. Alaimo Associates (Alaimo Group) is pleased to submit our qualifications for Township and Water/Sewer Utility Engineering Services and is prepared to accept all of the "duties and responsibilities" as set forth in your request. We have several experienced and qualified Water and Wastewater Engineers and Project Managers to represent the Township. Please refer to the enclosed Resumes and Licenses.

Richard A. Alaimo Associates (Alaimo Group) is one of few firms specializing in the professional engineering, planning designing, permitting, surveying, architectural, and construction phase services to public clients involved in both Water and Wastewater Engineering. Our clients range from municipal utility authorities with less than one million gallons per day of treatment to a large wastewater authority that is designed to treat 330 million gallons per day. We have designed and managed the construction of over seventy water and wastewater plants to include upgrades, expansions, and/or replacements. We have represented forty water/sewerage authorities throughout the State of New Jersey and take pride in having served many of these clients for more than thirty-five years.

The firm currently has 110 employees, (30) licensed Professional Engineers, (4) licensed Professional Planners, (2) Board Certified Environmental Engineers, (4) Environmental Specialists, (5) Registered Architects, (10) Engineers-in-Training, along with survey and field support staff. Through extensive experience, we understand the dynamics of changing authority demographics and fiscal needs.

The Alaimo team possesses the multiple engineering disciplines and support personnel in-house to accommodate the varied needs associated with Sewer, Water and Utility Engineering Services. We are prepared to provide attendance to any required meetings of the Township. Alaimo Group has a proven record of experience and the professional qualifications to meet the needs of the Township in a timely manner. We will service your account from our main office in Mount Holly.

- Consulting Engineers -

Civil • Structural • Mechanical • Electrical • Environmental • Planners

Since our work is almost exclusively for governmental agencies, we are alert to changes in federal, state and local laws, regulations and ordinances affecting our clients, and can ensure that we are working within the most recent guidelines. Similarly, we are aware of the current sources of funding for major public works projects and can assist our clients in their financial planning, grant procurement, and local funding options.


Our efforts are consistently directed toward achieving cost-effective solutions to our client's problems and needs. We have the capability to examine alternatives both quantitatively and qualitatively to obtain more realistic and publicly acceptable results than a purely technological or economic analysis would provide.

Attached you will find a description of the firm, specific experience and qualifications in Water and Wastewater Engineering and essential certificates. The firm does not require a retainer and project specific proposals will be provided as requested by the Township.

We appreciate the opportunity to submit our qualifications. If you have any questions, please call.

Very truly yours,

RICHARD A. ALAIMO ASSOCIATES
(ALAIMO GROUP)



Robert Lyons
Chief Financial Officer-Secretary

RL/db
Enclosure

c: Mr. Miles Powell, II, Director of Business Development, Senior Associate

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Corporate Overview



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

Executive Summary

For fifty-eight years, Richard A. Alaimo Associates (Alaimo Group) has provided engineering and planning services throughout the State of New Jersey and in the neighboring States of Pennsylvania and Delaware. We are one of the few firms that specialize in work for the public sector, thus avoiding any appearance of conflict in providing service to our clients. Our firm is a composite of civil, sanitary, environmental, planning, architectural, structural, mechanical, electrical and hydraulic engineering professionals. We have experienced consistent growth in both our team size and the variety of disciplines represented. Our professional and support staff have expanded in experience and capabilities. Currently, we have over 110 employees, including thirty registered engineers, as well as surveyors, planners, and five registered architects.

Our services are tailored to meet our clients' specific needs and range from building renovations to new building designs; from potable water wells and water distribution systems to modern filtration and treatment plants; from footbridges and nature paths to roads and highway structures; from landfills to resource recovery facilities, and from local storm drainage plans to watershed development plans. Alaimo offers complete planning and design capabilities covering all aspects of the civil, sanitary, environmental, mechanical, electrical, surveying, and structural engineering disciplines. Areas of expertise include, but are not limited to, the following:

- Architecture
- Building Design and Renovations
- Civil Site Improvements
- Community Planning
- Construction Management
- Electrical Engineering Services
- Environmental Engineering
- Field Services
- Mechanical/HVAC Engineering Services
- Municipal Engineering and Planning
- Parking Studies/ADA Compliance
- Parks and Recreational Facilities
- Planning Services
- Redevelopment Planning and Engineering
- Renewable Energy/Solar
- Site Planning and Permitting
- Solid Waste Management
- Stormwater Management
- Structural Engineering
- Surveying Services
- Transportation Engineering
- Utilities and Building Services
- Wastewater Collection and Treatment
- Water Supply, Treatment, Distribution
- Wetland Delineations and Permitting

Our Engineering and Planning Departments have extensive experience representing municipal clients, as well as planning and zoning boards. The firm has represented over forty-five (45) municipalities and authorities as engineer of record, and over thirty (30) planning and zoning boards throughout New Jersey as engineer and/or planner. We have represented numerous municipalities and planning boards in Master Plan Development, subdivision and site plan reviews, affordable housing and redevelopment projects, bond estimates, construction inspection, as well as ordinance reviews and updates. The firm has received engineering and planning awards for its performance on scores of municipal and state projects.

The firm has extensive experience in working with federal, state, county, and municipal agencies as well as inter-state agencies having regulatory powers. The permit section of the firm provides required permitting services for the wide variety of projects designed and constructed for our clients. The environmental group has extensive experience in the preparation of Environmental Assessments, Environmental Health and Impact Studies, Historical and Cultural Studies, compliance and monitoring reports and dredge disposal plans. Our staff has maintained a close working relationship with the New Jersey Department of Transportation, New Jersey Department of Environmental Protection; New Jersey Department of Community Affairs; New Jersey School Development Authority; United States Environmental Protection Agency, the Delaware River Basin Commission, the Delaware Valley Regional Planning Commission, New Jersey Pinelands Commission, US Fish and Wildlife Service, and County Soil Conservation Districts.

During the construction phase of all projects, the firm has National Institute for Certification in Engineering Technologies (NICET) - certified field services personnel to observe work in progress, and verify compliance with the design standards, local ordinances and accepted construction practice. Due to the nature of our business, and in an effort to serve the needs of our clients, Alaimo staff is available to respond whenever the need arises. Design and field services staff are most easily available through cellular phones and emails and can be contacted at any time.

Alaimo provides an ongoing internal Quality Assurance/Technical Review of all major projects. The QA/TR team is primarily responsible to provide an independent review of any project to ensure that the data collected is adequate and appropriate, that all existing and new technology has been considered and that a sound, practical, cost-effective engineering approach has been made to solve specific problems. The president of the firm, and other senior staff members with a broad range of technical and management skills, focus their collective experience on your project.

The success and the reputation of our firm is the result of a constant awareness of the responsibilities and trust inherent in the engineer-client relationship and reflects our ability to demonstrate innovation and professionalism in our work. We do this by carefully considering our client's individual constraints and parameters, creatively analyzing all available state-of-the-art alternatives, and applying the old fashion values of hard work, care and personal service. It is the primary function of the consulting engineer and planner to recognize these facts and to develop a project that meets the mandated requirements as to performance standards, is delivered on time, constructed within the budget guidelines, and operated in an efficient, cost effective manner. Our success attests to our experience and ability and is the foundation of our future service to our clients.

Alaimo Group is comprised of Richard A. Alaimo Associates, our original company, and Tri-State Architects, which offers architectural services for municipalities, schools, and public buildings and facilities. The firm's main office is located in Mount Holly, within a one mile radius of major access roads; New Jersey Turnpike, Route 295, Route 38 and Route 206. Our Wayne office is located near Route 80 and the Garden State Parkway. Both offices are conveniently located enabling us to efficiently service our clients throughout the State.



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

Business Organization & Contact Information

Business Organization

The principal operating officer of the firm since its inception in 1967 is Richard A. Alaimo, P.E., P.P., BCEE, President, 200 High Street, Mount Holly, NJ 08060.

Related Professional Service Companies

Richard A. Alaimo Associates, 1967
Alaimo Group, 1988
Tri State Architects, 1990

Officers of the Firm

Richard A. Alaimo, P.E., P.P., President
Robert Lyons, Chief Financial Officer, Secretary
Michael L. Miller, Treasurer

Offices

The firm's main office is located in Mount Holly, NJ within a one mile radius of major roads; New Jersey Turnpike, Route 295, Route 38 and Route 206. We service our North Jersey clients from our Wayne, NJ office which is located near Route 80 and the Garden State Parkway.

Telephone

MOUNT HOLLY

(609) 267-8310 – Phone
(609) 845-0300 – Fax

WAYNE

(973) 523-6200 – Phone
(973) 523-1765 – Fax

Email – Officers of the firm

Richard A. Alaimo, President – da@alaimogroup.com
Robert Lyons, Chief Financial Officer - Secretary – rlyons@alaimogroup.com
Michael L. Miller, Treasurer – mmiller@alaimogroup.com
Miles Powell, II, Senior Associate – mpowell@alaimogroup.com

Website

www.alaimogroup.com

Federal EIN

22-1824833



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

Water and Wastewater

Qualifications of the Firm

Richard A. Alaimo Associates (Alaimo Group) is one of the few firms that specialize in the public sector with extensive experience in the field of water and wastewater engineering. As Consulting Engineer to over seventy public entities, we are responsible for design documents, cost studies, reports, survey and construction inspection for a broad range of projects, including the upgrading and expansion of existing collection, distribution, and treatment systems as well as new sewage and water treatment facilities. We represent some forty water/sewerage authorities all over the State of New Jersey and take pride in having served many of these clients for well over forty years.

Alaimo Group has been responsible for the planning, design, construction management, and inspection for the upgrading of entire potable water systems. These projects range from minor upgrading of existing treatment facilities and the replacement of distribution lines to the construction of new wells, pumping stations, and water storage tanks; major expansion of water treatment plants; and the interconnection of existing facilities to create a more efficient and reliable system.

Examples of some prior projects in which the firm has been involved include the \$21.4 million Elbo Lane Water Treatment Plant for the Mount Laurel Township MUA which was designed with a treatment capacity of 5.3 mgd, with provisions for expansion to 8.3 mgd, and replaced two existing plants; the \$6 million, Phase I upgrading and expansion of the Old Bridge water facilities involving the design and construction of three water storage tanks totaling 7.5 MG, five supply wells, two observation wells, and three pumping stations; expansion of three water treatment plants from a total of 2.3 MGD to 6.7 MGD; and the acquisition and interconnection of seven private water companies; the design and construction management for a 400 GPM well and a corrosion correct (lime treatment) facility at the Florence Water Treatment Plant; and construction inspection of an Alaimo-designed 2 MG elevated water storage tank, design of a water main extension, new supply well (1,000 GPM), and full water system automation for Evesham Municipal Utilities Authority; and the development of two new supply wells and the upgrading of two water treatment plants by converting from sand filters to ion exchange units for Maple Shade Township.

Alaimo Group was contracted by the Willingboro MUA to provide permitting, design, bidding, and construction management services for treatment of elevated PFOS (perfluoro octane sulfonate) in Well 5A water. PFOS testing standards were adopted by The State of New Jersey in 2020 and monitoring began in 2021. Upon discovery of elevated levels, the MUA appointed Alaimo Group to design a granulated activated carbon system for the treatment of PFOS. The system includes treatment vessels, valves, media, piping, pressure gauges, and will be integrated with the existing well pump and treatment at the site. Alaimo Group was recognized by the New Jersey Alliance for Action for this PFOS project and received a Distinguished Engineering Award for Elite Engineering.

Alaimo Group has been responsible for the preliminary and final design of several water treatment plants including a 2 MGD plant designed to remove heavy concentrations of iron utilizing ion exchange units for Jackson Township Municipal Utilities Authority; a 5.33 MGD plant that was expandable to 8.3 MGD for Mount Laurel Municipal Utilities Authority; and a 1 MGD plant for the Wrightstown Municipal Utilities Authority.

Economic feasibility studies investigating such elements as land use, zoning, population projections, financial structure, and existing potable water facilities have been performed for the Municipal Utilities Authorities of Jackson Township, Old Bridge Township, Evesham Township, Mount Laurel Township, and Willingboro Township, New Jersey, and included the preparation of cost estimates.

In a joint venture, Alaimo Group prepared the feasibility study and preliminary design for a \$96 million water diversion project, the largest of its kind in New Jersey for the Hackensack Water Company and the North Jersey District Water Supply Commission. An evaluation of the entire potable water system also was performed for the Naval Air Engineer Center at Lakehurst, New Jersey. Other water studies performed by our firm include rate studies and water use and demand studies.

Alaimo Group has relevant prior experience in the procedures needed to obtain funding from the former NJ Wastewater Treatment Trust (NJWWTT) and the current New Jersey Infrastructure Bank (NJIB). The firm provided the professional services necessary for the Township of Maple Shade to receive a loan of some \$12.7 million from the Fund, or about 87% of the total cost of the project. We also prepared and processed design and contract documents and the necessary applications and coordinated with the NJWWTT to achieve approval for \$52 million for the Burlington County Solid Waste Complex.

Additional processing included the application for \$24.4 million in NJIB funding for a major wastewater treatment upgrade and expansion for the Mount Holly Municipal Utilities Authority, \$11.5 million for the Evesham Municipal Utilities Authority's Kings Grant Wastewater Treatment Plant upgrade followed by \$1 million for the Elmwood and Woodstream SCADA System, and \$1.5 million for the ASR Well Treatment System and Screen Replacement project and \$13.6 million in funding for the expansion and upgrade of the Delran Sewerage Authority's Wastewater Treatment Plant. Also received was \$6.3 million to upgrade the Riverside Township Treatment Plant. An application in the amount of \$14 million to expand and upgrade the Hartford Road Sewage Treatment Plant for the Mount Laurel Municipal Utilities Authority was also previously obtained.

Alaimo Group utilizes the in-house facilities to provide Computer Assisted Design and Drafting (CADD) for engineering design, construction management, planning, and surveying applications. The Company also has a series of engineering workstations within an integrated computer network and a software library which is continuously being updated.

During the construction phase of major projects, the firm has National Institute for Certification in Engineering Technologies (NICET)-certified field services personnel to observe work in progress, and verify compliance with the design standards, local ordinances, and accepted construction practice. Our personnel are experienced in the field services aspects of these projects and have been trained in Confined Space Entry Program (CSEP) requirements. They are also familiar with lamping, mandreling, smoke and dye testing, video inspection, and flow sampling techniques.

Alaimo Group provides an ongoing internal Quality Assurance/Technical Review of all major projects. The QA/TR team is primarily responsible to provide an independent review of the project to ensure that the data collected is adequate and appropriate; that all existing and new technology has been considered; and that a sound, practical, cost-effective engineering approach has been made to solve specific problems. The president of the firm, and other senior staff members with a broad range of technical and management skills, focus their collective experience on your project.

These steps, together with a careful and ongoing check of the construction documents during the design period, help avoid extra costs and reduce the need for and expense of change orders. The close relationship of the design team with the client ensures continued agreement on project scope and the level of quality, therefore controlling the construction costs and other aspects of the total budget.

The projects we have completed include major Water and Wastewater plants and solid waste facilities with costs ranging from \$1 million to over \$100 million dollars. The firms of Alaimo Group have designed projects with a total estimated construction value well in excess of \$10 billion dollars. Because our clientele is exclusively from the public sector, we have a thorough understanding of the needs of local governments and the constraints imposed on them by laws and regulations which they cannot control; and by the time and funding parameters which dictate what projects can be implemented. The function of the consulting engineer is to develop a project that meets the mandated performance standards within the budgetary and time guidelines and one which can be operated in a cost-effective and environmentally sound manner.

Wastewater/Water Experience



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

Wastewater Engineering Services

DESIGN SERVICES

- Wastewater Treatment Facilities
- Sludge Handling Facilities
- Wastewater Collection Systems
- Force Mains
- Pumping Stations
- Interceptors
- Combined Sewers

STUDIES AND REPORTS

- Water and Wastewater Management Plans
- Environmental Studies
- Feasibility Studies
- Rate Studies
- Existing System Evaluation
- Infiltration/Inflow Studies
- Start Up and Operation Instructions
- Ordinance Preparation
- Value Engineering
- Operation & Maintenance Manuals
- Plant Evaluations

RELATED SERVICES

- Surveying
- Construction Supervision
- Contract Administration
- Permitting
- Federal & State Grant Assistance
- Engineering Graphics
- Expert Testimony



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

Treatment Plant Design Projects

<u>Client</u>	<u>Capacity</u>	<u>Cost</u>
Bergen County Utilities Authority Capital Improvements, Phase I Activated Sludge	109 MGD	\$6,200,000 *
Burlington County Board of Commissioners Zimpro/Physical-Chemical	0.04 MGD	\$4,000,000 *
Cherry Hill Township Upgraded Seven (7) Sewage Treatment Plants with Contact Stabilization	8 MGD	\$12,000,000
Cinnaminson Sewerage Authority, Activated Sludge	1.5 MGD	\$3,600,000 *
Delran Sewerage Authority, A/O Process**	2.5 MGD	\$10,600,000 *
Evesham Municipal Utilities Authority-Elmwood Orbal Process**	3.0 MGD	\$15,500,000
Evesham Municipal Utilities Authority-Woodstream Biofor Process**	1.7 MGD	\$9,900,000
Evesham MUA – Kings Grant MLE Process**	0.65 MGD	\$11,300,000 *
Florence Township Modifications to Primary Single Stage Trickling Filter	1.5 MGD	\$2,500,000
Florence Township-Vertical Loop Reactor (VLR)	2.5 MGD	\$12,000,000 *
Gloucester County Utilities Authority/ Water Reclamation Facility, Aeration System Upgrade	24.1 MGD	\$2,100,000
Maple Shade Township, Orbal Process**	3.4 MGD	\$14,000,000 *
Medford Lakes, Bardenpho Process**	0.55 MGD	\$3,000,000
Mount Holly Municipal Utilities Authority Plant Upgrade and Expansion	6.0 MGD	\$5,200,000 *
Mount Holly Municipal Utilities Authority Lumberton Plant Expansion	3.0 MGD	\$22,500,000 *
Mount Laurel Municipal Utilities Authority Orbal Process**	6 MGD	\$16,500,000 *
Palmyra Borough, Extended Aeration	1.05 MGD	\$3,200,000
Passaic Valley Sewerage Commissioners Electrical Improvements to Final Clarifiers Pure Oxygen Activated Sludge	330 MGD	\$5,000,000
Penns Grove Sewerage Authority, Activated Sludge	0.75 MGD	\$3,000,000
Riverside Sewerage Authority Two Stage Trickling Filter	1.0 MGD	\$6,300,000 *
Willingboro Municipal Utilities Authority Two Stage Trickling Filter	5.2 MGD	\$10,000,000

* Partial Funding by New Jersey Wastewater or Infrastructure Bank.

** Biological Nutrient Removal Process (BNR)



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

Wastewater Treatment Facilities

Evesham Municipal Utilities Authority

U.S. Environmental Protection Agency

National Operations and Maintenance Excellence Award

Mr. Edward T. Waters, Jr., Chairman

Phone (856) 983-1878 / ewaters@eveshammua.com

Alaimo Group had designed and provided construction management for three wastewater treatment plant upgrades for the Evesham Municipal Utilities Authority. Each design was specifically tailored to meet the plant's discharge requirements and site constraints. The Elmwood WWTP was upgraded and this \$15.5 million, 3 MGD facility went into operation nearly seven months ahead of schedule, and met effluent standards within a month of startup. The treatment process provides biological removal of ammonia, nitrates and phosphorus. This facility has a fully distributed instrumentation control and monitoring system. The design also provided for on-site emergency power generation; an eight-bay maintenance garage for vehicles and equipment; an office and administrative complex with locker rooms, lunch and training area, and a laboratory for water quality control. The Elmwood Wastewater Treatment Plant received a National Environmental Protection Agency Award.

The EMUA Woodstream WWTP was also upgraded and this \$9.9 million upgrade provided for biological ammonia removal through the Biofor upflow filtration process. The plant's capacity was increased to 1.7 MGD through retrofits to the existing activated sludge process and an ultraviolet disinfection process was also installed. The new operations building was constructed to house locker rooms, a lunch area, a training facility, an equipment maintenance garage, a laboratory and a computerized central control room. The Woodstream WWTP received a Regional Operations and Maintenance Excellence Award from the United States Environmental Protection Agency.

The EMUA Kings Grant WWTP upgrade was also completed. This \$11.5 million project was funded by a low interest loan from the NJDEP Environmental Infrastructure Trust Fund. The upgrade provides for biological nitrogen removal through the Modified Ludzack Ettinger (MLE) process, thereby greatly reducing the plant's reliance on methanol addition. A new headworks with a comminutor and certified grit removal unit and an equalization tank were also constructed. The upgraded plant has a 650,000 gpd capacity. The new operations building houses a locker room, laboratory and computerized operations center.

Florence Township Water and Sewer Department

Water Pollution Control Facility

Mr. Kent Jones, Superintendent

Phone (609) 499-2518 / Fax (609) 499-8043 / utility@florence-nj.gov

Alaimo Group was responsible for preparing and obtaining all permits, preparation of designs and construction documents; and construction management and field services associated with the construction of a new and expanded plant for the Township of Florence Water and Sewer Department. The selected plan for the upgrade and expansion of the Florence Township Water Pollution Control Facility consisted of the following:

- Construction of a new head works to include a mechanical bar screen; raw sewage pumping equipment; a modified existing aerated grit chamber equipped with a new grit washer and a new air diffuser and air lift system.
- Modification/construction of a diversion chamber prior to the existing primary settling tanks. The chamber will allow for bypassing around the settling tanks during periods of peak flows in excess of the settling tanks' combined capacities or when one of the settling tanks is out of service.

- Construction of a three channel vertical loop reactor (VLR). The VLR, an aerated activated sludge process, requires considerably less land area and requires less energy to operate because of the combination of mechanical aerators and coarse bubble diffusers.
- Construction of two new secondary settling tanks and a secondary distribution box.
- Construction of a RAS/WAS pump station.
- Construction of a blower/control/generator building.
- Conversion of the waste backwash holding tank to an aerated sludge thickening tank.
- Construction of a sludge handling facility with one gravity belt thickener and one belt filter press.
- Construction of a new administration building.
- Construction of a new maintenance garage.

The project was completed with a final construction cost of \$10,861,237.

Maple Shade Township

New Jersey Society of Municipal Engineers Project of the Year Award

Ms. Susan E. Danson, Township Manager

Phone (856) 779-9610 / Fax (856) 779-2524 / twpmgr@mapleshade.com

Alaimo Group provided planning, design, survey, permitting, architecture, and bid and construction-phase services for Maple Shade Township for its new 3.4 MGD Wastewater Treatment Plant. The original facility had been constructed in the 1920's to provide basic treatment of wastewater. Under edict by NJDEP to achieve compliance with stringent standards for effluent quality, Maple Shade Township retained our firm to replace the original WWTP. The \$14.5 million facility utilizes the extended aeration modification of the activated sludge process using a multiple channel tank design with Orbal Aeration Discs to treat the raw sewage for the Township of more than 19,000 people. In addition to the process facilities, Tri-State Architects, an affiliate member of Alaimo Group, designed the Administration and Personnel Support Building with offices, a water-quality laboratory, locker rooms, lunch and training rooms. Nearby are two chemical feed buildings for alum and caustic feed equipment and chlorine and sulfur dioxide storage, a pump building, and a sludge handling building. The facility was designed, permitted and constructed on an expedited basis and startup operations began. Nearly 90% of the project costs were funded through a loan obtained from the New Jersey Wastewater Treatment Trust. Alaimo Group has, since our original appointment in 1975, designed and assisted with operational startup for more than \$10 million of pumping stations, force main and collection system improvements.

Mount Laurel Municipal Utilities Authority

Consulting Engineers Council of New Jersey Distinguished Award

Mr. Jonathan Sears, Chief Administrative Officer

Phone (856) 722-5900 x-141 / Fax (856) 866-1092 / jsears@mltmua.com

Alaimo Group completed planning, design, and construction phase services to upgrade the Hartford Road Pollution Control Facility. Funding assistance was provided by the New Jersey Wastewater Treatment Trust for this \$18 million project. The projected treatment flow is 6 MGD. Existing facilities were utilized to the fullest extent possible. The major components of the new design were a 175-foot diameter Orbal oxidation tank; two (2) ninety-five foot diameter final clarifiers; solids handling equipment, a central monitoring and control system, new electrical and emergency generation facilities and a new barrier free administration and control building to incorporate administrative offices, laboratory, conference room and employee areas.

Mount Holly Municipal Utilities Authority

Richard DiFolco, Chairman

Phone (609) 267-0015 / Fax (609) 267-5420

Rdifolco@twp.mountholly.nj.us

Alaimo Group designed the \$16 million regional wastewater treatment facility which serves Mt. Holly and four neighboring municipalities. The facility, with an initial capacity of 5 MGD, utilizes the Zimpro Powdered Activated Carbon Treatment (PACT) and Low Pressure Oxidation (LPO) processes to treat the wastewater. Sludge dewatering is accomplished by belt presses. Recent treatment plant projects include installation of a belt filter press and dewatering pumps, a building addition to house new equipment, and a plant upgrade and expansion to 6 MGD capacity.

Alaimo Group designed and has provided construction management services for a \$28 million expansion for the MHMUA. A new 3.0 MGD Plant has been constructed in Lumberton Township. The new wastewater treatment plant provides advanced secondary treatment. Improvements were also made to the existing Rancocas Plant, including replacing the existing tertiary sand filters with disc filters and improvements to the existing chlorination and aeration processes. Additionally, the sludge pumping and thickening capacity has been increased and odor control added to the existing headworks and process tanks. This project was completed three months ahead of schedule and within budget.



Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects

Wastewater Collection Systems

Replacement; renovations, cured in place liners and extensions to the existing sewerage collection system which our Firm has had design, review, permitting, bidding, field observation, and/or construction management responsibilities include the following clients, sewer projects, and estimated construction costs.

Client	Sewer Various Sizes	Estimated Construction Cost
Bloomington Borough Sewer Department	17,000 L.F.	\$ 1,000,000
Cinnaminson Sewerage Authority	150,000 L.F.	10,000,000*
Delran Sewerage Authority	200,000 L.F.	12,000,000*
Edgewater Park Sewerage Authority	50,000 L.F.	2,500,000
Evesham Municipal Utilities	400,000 L.F.	20,000,000
Florence Township Water Sewer Department	50,000 L.F.	3,000,000*
Gloucester County Utilities Authority	140,000 L.F.	6,000,000*
Hainesport Township	83,000 L.F.	10,000,000*
Hamilton Township	4,000 L.F.	1,500,000
Jackson Township Municipal Utilities Authority	60,000 L.F.	3,000,000
Maple Shade Township	20,000 L.F.	2,000,000*
Medford Lakes Borough	10,000 L.F.	500,000
Mount Holly Municipal Utilities Authority	85,000 L.F.	10,000,000*
Mount Laurel Municipal Utilities Authority	550,000 L.F.	25,000,000*
Old Bridge Municipal Utilities Authority	50,000 L.F.	2,500,000*
Pennsauken Sewerage Authority	20,000 L.F.	2,000,000
Riverside Sewerage Authority	10,000 L.F.	1,000,000*
Salem County Pollution Control Authority	17,000 L.F.	600,000
Southampton Township	12,000 L.F.	1,000,000
South Brunswick Sewer Department	20,000 L.F.	1,750,000
Toms River Municipal Utilities Authority	25,000 L.F.	1,900,000*
Voorhees Township Sewer Department	15,000 L.F.	2,500,000*
Willingboro Municipal Utilities Authority	40,000 L.F.	2,800,000*

* Partial Funding by New Jersey Wastewater or New Jersey Infrastructure Bank



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

Sanitary Sewer Evaluation/Rehabilitation/Reconstruction

Cinnaminson Sewerage Authority

Richard A. Alaimo Associates (Alaimo Group) provided rehabilitation, design, permitting, bidding and construction administration and inspection services to a 2.3 mile force main in the Township on a phased basis. This included lining, pipe bursting method replacement, and replacement through open cut and trenched means.

Phase 4 was the final leg of this multi-year effort, and included replacement of approximately 3,500 feet of 18" asbestos cement force main with 14" PVC and road restoration and reconstruction. This \$561,125 construction project was completed, and Alaimo Group also assisted the Authority in obtaining NJEIT funding to finance these improvements.

East Hanover Township

Eight inch (8") PVC lining for 315 L.F. of eight inch (8") and eighteen inch (18") sanitary sewers on Troy Road. Construction Cost: \$57,163.00

Evesham Municipal Utilities Authority

Projects included cleaning and installation of cured-in-place lining for eight inch (8") and ten inch (10") sanitary mains in the Heritage Village section of Evesham Township. Total linear feet: 3,800. Medium sewer line cleaning and reestablishment of lateral openings. Construction Cost: \$455,700.00

Cleaning and installation of cured-in-place lining for eight inch (8") sanitary sewer mains on Locust Avenue (1,440 L.F.). Medium cleaning and sanitary sewer lateral reconnection (12 UN). Construction Cost: \$68,300.00

Replacement of 500 F of 8" sanitary sewer main under Route 73 including jacking and boring of a steel casing pipe to redirect flow from the London Square residential area to the Woodstream drainage basin. Construction cost: \$214,000

Replacement of 1,710 LF of 12" to 15" asbestos cement pipe that had deteriorated from hydrogen sulfide in the raw sewage. Also installed a cured-in-place liner in 165 feet of inaccessible 12" ACP and rehabilitated 9 manholes. Construction Cost: \$476,000

Florence Township

Installation of cured-in-place liner in an eighteen inch (18") sanitary sewer main (360 L.F.) located on Front Street. Reconnection of sanitary laterals and CCTV work. Construction Cost: \$61,640.00

Hainesport Township

Construction of thirteen (13) miles of eight inch (8") sanitary sewer gravity mains, approximately 2.5 miles of two inch (2") force mains, (4) submersible pumping stations, and (4) grinding pumping stations. Total Construction Cost: \$14,000,000.00

Mount Laurel Municipal Utilities Authority

Sanitary Sewer Rehabilitation Project included the lining of over 10,000 LF of sanitary sewer main (8"-16"), reestablishment of 120 sewer laterals, and select sewer main repair. Additionally, 56 manholes were reconstructed, and 7 manholes were repaired.

Alaimo Group provided design, permitting, bidding and construction administration and inspection services to this \$618,428 project.

Heath Court Sanitary Sewer Rehabilitation: Installation of cured-in-place pipe liner for 490 L.F. of eight inch (8") sanitary pipe, reestablish lateral openings, cleaning and CCTV work. Construction Cost: \$ 31,708.00

Cleaning and installation of cured-in-place pipe liner for 1,000 L.F. of eight inch (8") sanitary pipe, and reestablishment of laterals (26 UN) as part of the Laurelwood Pumping Station Upgrade project.
Construction Cost: \$48,280.00

Old Bridge Municipal Utilities Authority

Cured-in-place resin impregnated liner for eight inch (8"), ten inch (10"), twelve inch (12"), fourteen inch (14"), sixteen inch (16"), and eighteen inch (18") sanitary main. Total linear feet - 21,471. Medium cleaning and reestablish laterals (250 UN). Construction Cost: \$951,971.00

Cured-in-place resin impregnated liner for eight inch (8"), ten inch (10"), eighteen inch (18"), twenty-four inch (24"), twenty-seven inch (27"), and thirty inch (30") sanitary main. Total linear feet - 17,734 L.F. Light, medium and heavy cleaning. Reestablishment of lateral openings (82 UN). Construction Cost: \$1,321,418.00

Riverside Sewerage Authority

Installation of cured-in-place liners in existing twenty inch (20") sanitary sewer mains on Fairview (1,013 L.F.) and Harrison Streets (519 L.F.). Medium cleaning and reestablishment of lateral openings (27 UN). Construction Cost: \$197,136.00

Cleaning and installation of eight inch (8") and ten inch (10") liner on Burke and Heulings Streets. Medium cleaning and reestablishment of lateral openings (94 UN). Construction Cost: \$138,523.25

South Brunswick Township

Mapleton Road Sewer/Campus Road Manhole Replacements project followed Alaimo Group's design and construction of the steel casing and sanitary sewer crossing of U.S. Route 1. It included construction of over 2,600 LF of 15" sanitary sewer pipe at depths of 8-18 feet and construction of 28 manholes (4' - 5' diameter) with depths ranging from under 6' to 22' deep as a result of a considerable drop in the topography after Route 1.

Alaimo Group provided design, permitting and construction administration and inspection services to this \$1,182,466 construction project that was completed.

Voorhees Township

Construction of 8,400 linear feet of eight inch (8') force main, 7,000 linear feet of sanitary sewer.
Construction Cost including pump stations: \$4,000,000.00



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

Combined Sewers

City of Paterson

Project: Construction Administration Services for CSO Solids/Floatables Control-Netting Facilities
Status: Construction Completed
Construction Cost: \$4,154,471
Location: Five (5) Outfalls throughout the City of Paterson
Description: Project involved Construction Management Services to the construction, in general, of CSO netting facilities and combined sewer lines at Outfalls 003, 015, 021, 024, and 029. New Jersey Infrastructure Bank and NJDEP coordination and processing included.
Contact: James McGrath, P.E., City Engineer
(973) 321-1320 x1319

City of Paterson

Project: Construction Management Services for CSO Solids/Floatables Control Facilities
Status: Construction Completed
Construction Cost: \$3,511,545
Location: Four (4) Outfalls throughout the City of Paterson, New Jersey
Description: Project involved Construction Management Services to the construction, in general, of CSO netting facilities and combined sewer lines at Outfalls 005, 017, 022, and 032. New Jersey Infrastructure Bank and NJDEP coordination and processing included.
Contact: James McGrath, P.E., City Engineer
(973) 321-1320 x1319

Passaic Valley Sewerage Commissioners

Project: Combined Sewer Chamber Modifications
Status: Designed
Location: Various, throughout the City of Newark, New Jersey.
Description: Project involved the Design and Construction Management of modifications to four (4) combined sewer chambers at various locations within the City of Newark. Modifications included the replacement of concrete covers, installation of personnel and equipment access castings, and repairs to interior concrete walls. The chambers drain into the Passaic River.
Contact: John Rotolo, P.E., Chief Engineer
(973) 817-5962
jrotolo@pvsc.com

Jersey City Municipal Utilities Authority

Project: Combined Sewer Extension

Description: Project involved design and construction management of the installation of 48" diameter combined sewer piping and the connection to an existing screening chamber. The piping runs from west to east along Essex Street in New Jersey and terminates at the Municipal Utilities Authority owned screening chamber at the foot of Essex Street. The screening chamber is bounded by, and drains into, the Hudson River.

Contact: Richard Haytas, Acting Executive Director
(201) 432-1150
r.haytas@jcmua.com



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

Water Supply and Distribution Services

Studies and Reports

- Water Resources and River Basin Planning and Development
- Water Management Plans
- Existing System Evaluations, Hydraulic Modeling
- Plant Performance Evaluation
- System Net Worth and Performance Evaluation
- Feasibility Studies – Economic and Technical, Value Engineering
- Environmental Studies and Assessments
- Rate Studies
- Regulatory Permitting and Compliance
- Ordinance Preparation
- Startup, Operation and Maintenance Manuals
- Tank Inspection

Design Services

- Wells, Pumps, and Pumping Stations
- Water Supply Facilities
- Water Treatment Plants
- Water Storage Facilities
- Water Distribution Systems
- Large Diameter Pipelines
- Construction Management Services

Related Services

- Surveying
- GIS Mapping
- Construction Supervision
- Contract Administration
- Permitting
- Federal & State Grant Assistance
- Engineering Graphics
- Expert Testimony



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

Well Design/Water Main Design

Evesham Municipal Utilities Authority

Mr. Edward T. Waters, Jr.

Phone (856) 983-1878

- Well No. 4: Prepared design plans, specifications, obtained permits and provided construction management services for installation of double cased Potomac-Raritan-Magothy (PRM) aquifer well. Well depth 450'. Capacity 1,000 GPM.
- Well No. 5: Prepared design plans, specifications, obtained permits and provided construction management services for installation of double cased PRM aquifer well. Well depth 550'. Capacity 750 GPM.
- Well No. 6: Prepared design plans, specifications, obtained permits and provided construction management services for installation of double cased PRM aquifer well. Well depth 550'. Capacity 750 GPM.
- Well No. 7: Prepared design plans, specifications, obtained permits and provided construction management services for installation of double cased PRM aquifer well. Well depth 440'. Capacity 800 GPM.
- Well No. 8: Prepared design plans, specifications, obtained permits and provided construction management services for installation of double cased PRM aquifer well. Well depth 435'. Capacity 1,000 GPM.
- Well No. 9: Prepared design plans, specifications, obtained permits and provided construction management services for installation of double cased PRM aquifer well. Well depth 470'. Capacity 1,000 GPM.
- Well No. 12: Prepared design plans, specifications, obtained permits and provided construction management services for hydrogeologic testing and installation of double cased PRM aquifer well. Well depth 500'. Capacity 1,000 GPM.
- Well No. 15: Prepared design plans, specifications, obtained permits and provided construction management services for hydrogeologic testing of double cased Wenonah-Mount Laurel (WML) aquifer well. Well depth 500'. Capacity 1,000 GPM.
- Well No. 16: Prepared design plans, specifications, obtained permits and provided construction management services for hydrogeologic testing of single cased WML aquifer well. Well depth 400'. Capacity 350 GPM.
- 12,000 lineal feet, 16 inch "crosstown connection" linking Kings Grant area with the Authority main service area.
- Numerous water main replacements - 8" and 12" lines in excess of 20,000 lineal feet in various township locations.

Florence Township, Mr. David Lebak, Water & Sewer Department

Phone (609) 499-2518 / Fax (609) 499-8043

- Well No. 1: Prepared design plans, specifications, obtained permits and provided construction management services for redrilling of double cased PRM aquifer well. Well depth 120'. Capacity 400 GPM.
- 17,000 lineal feet of water main at various locations in township.
- Installed 21,000 lineal feet of 12" main and 2,400 lineal feet of 8" main as part of system improvement and expansion on US Route 130 and Cedar Lane.

Jackson Municipal Utilities Authority
David A. Harpell, Executive Director
Phone (732) 928-2222 / Fax (732) 928-5171

- Well No. 1: Prepared design plans, specifications, obtained permits and provided construction management services to perform repairs to well, located on Prospect Road.
- Well No. 5: Prepared design plans, specifications, obtained permits and provided construction management services for redevelopment of well located on Aldrich Road. Well depth - 200'.
- Well Nos. 6 and 7: Various contracts. Prepared design plans, specifications, and provided construction management services for redevelopment and repair of wells located at Great Adventure and vicinity. Wells mechanically and chemically cleaned in attempt to increase well capacity.
- Wells No. 8 and 9: Prepared design plans, specifications, obtained permits and provided construction management services to redevelop and repair wells.
- Well No. 10: Prepared design plans, specifications, obtained permits and provided construction management services to repair well.
- Well No. 11: Prepared design plans, specifications, obtained permits and provided construction management services to construct, place in operation and test new well, located on Aldrich Road. Capacity 400 GPM, estimated depth 200'.

Mt. Laurel Municipal Utilities Authority
Mr. Jonathan Sears, Chief Administrative Officer
Phone (856) 722-5900 Ext. 141 / Fax (856) 866-1092

- Well No. 3: Prepared design plans, specifications, obtained permits and provided construction management services for installation of double cased Potomac-Raritan-Magothy (PRM) aquifer well. Well depth 650'. Capacity 1,250 GPM.
- Well No. 4: Prepared design plans, specifications, obtained permits and provided construction management services for installation of double cased PRM aquifer well. Well depth 617'. Capacity 1,250 GPM.
- Well No. 6: Prepared design plans, specifications, obtained permits and provided construction management services for installation of double cased PRM aquifer well. Well depth 590', capacity 1,200 GPM.
- Well No. 7: Prepared design plans, specifications, obtained permits and provided construction management services for installation of double cased PRM aquifer well. Well depth 644', capacity 1,400 GPM.
- Water main replacements: 8" and 12" lines in excess of 12,000 lineal feet in various township streets.

Totowa Borough, Mr. Joseph Wassel, Borough Clerk
Phone (973) 956-1004 / Fax (973) 956-8414

- Village of Totowa: Provided full design, permitting, and Construction Management Services for construction of 8,000 LF, 12" water main from new booster station to provide service to 200 residential units and Water Storage Tank.
- Roosevelt Avenue and Cooledge Avenue: Provided design and construction services for approximately 800 LF of water main replacement.
- Buellens Avenue Water Storage Tank: Provided design and construction management services for the construction of a 500,000 gallon Water Storage Tank.

Wanaque Borough, Mr. Paul Carelli, Administrator
Phone (973) 839-3000 / Fax (973) 839-4959

- Fox Den Road Well: Prepared design plans, specifications, obtained permits and provided construction management services for hydrogeologic testing and installation of single cased glacial drift aquifer well. Well depth 80'. Capacity 500 GPM.
- Replacement of 6,500 lineal feet of water main as part of Ringwood Avenue Reconstruction.
- Highland Avenue Booster Station: Prepared design plans, specifications, obtained permits and provided construction management services for construction of 750,000 GPD Booster Station.
- Chatham Water Tank: Provided design plans and construction services for refurbishing of 750,000 gallon Storage Tank.

Willingboro Municipal Utilities Authority
Jim Mackie, Executive Director

Phone (609) 877-2900 x-101/ Fax (609) 835-4645

- Well No. 5: Prepared design plans, specifications, obtained permits and provided construction management services for installation of double cased PRM aquifer well. Well depth 260', capacity 1,450 GPM.
- Well No. 9: Prepared design plans, specifications, obtained permits and provided construction management services for installation of double cased PRM aquifer well. Well depth 300', capacity 1,500 GPM.
- Well No. 10: Prepared design plans, specifications, obtained permits and provided construction management services for installation of double cased PRM aquifer well. Well depth 270', capacity 1,500 GPM.
- Well No. 11: Prepared design plans, specifications, obtained permits and provided construction management services for installation of double cased PRM aquifer well. Well depth 260', capacity 1,600 GPM.
- Prepared design plans, specifications and provided construction management services for several contracts for the redevelopment and repair of the above wells.
- Design and construction supervision of Willingboro - Mount Laurel Interconnection, 1.8 miles of 18" main crossing Rancocas Creek, New Jersey Turnpike and US Route 295. 60,000 lineal feet of water main installation to replace asbestos cement pipe.

Bloomfield Township, Paul Lasek, Township Engineer
Phone (973) 680-4009 / Fax (973) 680-0134

- Replacement of 4,000 lineal feet of 6" water main.
- Cleaning and lining of 10,000 lineal feet of 12" water main.



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

Water Storage Tank Designs

OWNER & CONTACT	TANK LOCATION	CAPACITY	TANK MANUFACTURER	TYPE	TANK DIAMETER	HEIGHT ABOVE GRADE		HEAD RANGE
						HWL	LWL	
Evesham MUA Edward T. Waters, Jr. (856) 983-1878	Wescott Road Evesham Twp., NJ	1.0 MGD	Natgun	Precast Concrete At Grade	105'	8'	-7.5'	15.5'
Mt Laurel MUA Pamela J. Carolan (856) 722-5900	Ark Road Mt. Laurel Twp., NJ	1.0 MG	Natgun	Precast Concrete At Grade	105'	8'	-7.5'	15.5'
Evesham MUA Edward T. Waters, Jr. (856) 983-1878	Lincoln Drive Evesham Twp., NJ	2.0 MG	PDM	Hydropillar	100'	130'	90'	40'
Mt Laurel MUA Pamela J. Carolan (856) 722-5900	Commerce Parkway Mt. Laurel Twp, NJ	1.0 MG	PDM-Hydrostorage	Hydropillar	74'	113'	73'	40'
Mt Laurel MUA Pamela J. Carolan (856) 722-5900	Masonville- FosterTown Road (County Route 636) Mt Laurel Twp., NJ	0.5 MG	PDM	Hydropillar	50'	156'	118'	38'
Burlington County Commissioners Mary Pat Robbie (856) 642-3850	Burlington County Solid Waste Facility Florence Twp., NJ	0.15 MG	PDM	Hydrosphere	34'	100'	66.5'	33.5'
Evesham MUA Edward T. Waters, Jr. (856) 983-1878	Merchants Way Kings Grant Evesham Twp., NJ	1.5 MG	PDM	Hydropillar	86'	166'	126'	40'
Florence Township David Lebak, W&S (609) 499-2518	Florence-Columbus Road Florence Twp., NJ	1.0 MG	PDM	Hydropillar	74'	119'	79'	40'
Burlington Twp Scott Hatfield, PE (609) 239-5836	Bromley Blvd. Burlington Twp., NJ	2.0 MG	PDM	Hydropillar	100'	104.5'	64.5'	40'



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

Recent Utility Authority Experience

1.1 Owner

Bergen County Utilities Authority
P.O. Box 9, Little Ferry, NJ 07643

Description of Work

A. Cross Trough and Weir Plates Replacement, Angle Steel Brackets, Supports, etc. for Final Settling Tanks 1-16; Repair and Replace malfunctioning rotating scum skimmers, sluice gates; and repair structural cracks and spalling in walkways, walls and floor slab of Final Settling Tanks 1-16. Project was completed in 2022.

Contract Amount \$6,000,000 Final Construction Cost

B. Roof Replacement - 3 Buildings

Alaimo Group completed the Final Design Phase for Roof Replacements to the Switchgear Building, the Bar Screen Building, and the Administration Building.

Contract Amount Estimated Construction Cost for All Three Buildings: \$953,756

C. Design of the Edgewater Force Main Project

Alaimo Group provided Engineering, Design, Easements, ROW and Permitting services in support of the BCUA's staged Force Main Construction Project. This project design commenced in 2014 and is under construction.

Contract Amount \$35,000,000 Construction Cost

D. Design of Route 4 Interceptor Lining

Alaimo group provided Engineering and Design services and has been contracted to provide construction management services. Construction is scheduled to begin in late 2025.

Contract Amount \$3,000,000

Contact Person: Robert Laux, Executive Director - (201) 807-5801

1.2 Owner

Mount Holly Municipal Utilities Authority
37 Washington Street, Mount Holly, NJ 08060

Description of Work

A. Garden Street Pumping Station Upgrade

Alaimo Group completed design and construction management for the pumping station upgrade including new building, pumps, wet well equipment, valve vault and emergency generator.

Contract Amount \$1,554,600, Construction Completion 2023

Utility Authority Experience (Continued)

Mount Holly Municipal Utilities Authority
37 Washington Street, Mount Holly, NJ 08060

B. Turbo Blower Replacement

Alaimo Group completed the Design, Specifications and Bidding Services for the above project; and subsequently provided Construction Phase services.

Contract Amount \$272,900, Construction Completion 2019.

C. Belt Filter Press Installation

Alaimo Group provided Design, Specifications, Bidding and Construction Phase Services for the relocation and installment of two (2) Belt Filter Presses and associated building improvements.

Contract Amount \$384,489, Construction Completion 2017

Contact Person: Richard DiFolco, Chairman - (609) 267-0015

1.3

Owner

Evesham Municipal Utilities Authority
100 Sharp Road, Marlton, NJ 08053

Description of Work

A. Elmwood and Woodstream WWTP In-Plant SCADA Systems

Alaimo Group provided Planning, Design, Permitting, Bidding, and Construction Phase Services for the SCADA systems at both Wastewater Plants.

Contract Amount \$1,154,374

B. ASR Well Treatment Improvements

Alaimo Group provided planning, permitting, design, NJEIT processing, bid phase and construction phase services to this project. The project comprised the installation of a treatment system to remove iron withdrawn from the Mount Laurel Aquifer before its injection into the PRM Aquifer.

Contract Amount \$1,885,000 Total Project Costs, Completed 2017

C. UV Disinfection System Upgrade

Alaimo Group is providing consulting engineering services in support of the subject upgrade at the Authority's Elmwood Road WPCF. Design, Permitting and Construction Phase Services are being provided by Alaimo Group's multi-disciplined project.

Contract Amount Construction Cost: \$924,000

D. Elmwood WWTP Storage Building

Alaimo Group designed and provided construction engineering services for the construction of a 4,600 square foot pre-engineered metal building. The building will provide much needed storage space for materials to support the Authority's infrastructure maintenance program.

Contract Amount Construction Cost: \$1,800,000

Contact Person: Edward T. Waters, Jr., Chairman - (856) 983-1878

Utility Authority Experience (Continued)

1.4 Owner

Florence Township

711 Broad Street, Florence, NJ 08518

Description of Work

A. **Hornberger Avenue Pump Station.** The completed project involved the replacement of the existing Hornberger Avenue Pump Station with a new facility located across the street at 1740 Hornberger Avenue in Florence Township, NJ. Work included demolition of the old station, removal of all equipment and structures to three feet below grade and backfilling of the existing wet well. The new station featured a six-foot diameter wet well with two submersible pumps, a prefabricated above-ground valve vault, instrumentation, lighting, a backup generator, transfer switch, and a magnetic flow meter. New gravity and force mains were installed to connect the station to the existing system, with provisions for future connection to the Mallard Pump Station. The design accommodated current flows from Hornberger and planned flows from the Wallace and Norman Pump Stations as well as the Project Freedom development. The project provided increased capacity, improved reliability, and compliance with NJDEP wet well and pumping requirements.

Contract Amount \$1,351,900. Construction completion October 2024

B. **STP Sludge Dewatering Screw Upgrade.** The completed project involved upgrading the sludge dewatering system at the Florence Township Sewage Treatment Plant to replace an existing belt filter press with a new sludge dewatering screw press system. Work included selective demolition of the old press and associated equipment, cleaning the installation site, and installing a new screw press rated for a maximum design capacity of 250 gallons per minute (approximately 1,890 dry pounds per hour) of aerobically digested sludge. The system was designed to achieve over 17% total solids in the dewatered cake with a 95% solids capture rate. Additional improvements included a new piston pump to transfer dewatered sludge to storage containers, new polymer feed systems, updated piping and valves, and instrumentation with HMI controls. Modifications were also made to the building structure to accommodate the new equipment, along with installation of safety grating, handrails, and access ladders. The project was completed with the goal of improving dewatering efficiency, reducing maintenance needs, and enhancing operational reliability at the facility.

Contract Amount \$1,441,800. Construction completion February 2022

Contact Person: Kent Jones, Supt. Water & Sewer - (609) 499-2518

Utility Authority Experience (Continued)

Water Treatment Plant Phase 1

- C. The addition to the plant included the pump building, clearwell and electrical controls. The scope included replacing the aerator, underground piping and all related items at site. The building was designed to provide future expansion to house new chemical feed system and controls.

Contract Amount \$3,100,000, Completed 2018

D. Water Treatment Plant Phase 2

Installation of Phase 2 of WTP expansion. The expansion will include a building addition to house chemical feed systems for polyphosphate, sodium hydroxide, and sodium hypochlorite. The building expansion shall also include an electrical room. All pump controls for the WTP will be relocated to the new electrical room.

Contract Amount \$2,319,514, Construction completion November 2021

Contact Person: Kent Jones, Supt. Water & Sewer - (609) 499-2518

1.5

Owner

Mount Laurel Township Municipal Utilities Authority

1201 South Church Street, Mount Laurel, NJ 08054

Description of Work

- A. **Well #4 Redevelopment.** The project included the redevelopment of the well, including removal and rehabilitation of the existing pump and well piping that was supplied by the Authority.

Contract Amount \$117,600.00, Completed, March 2024

- B. **Hartford Road Air Relief Replacement and Pike Road Isolation Valve Removal.** Alaimo Group provided planning, design, permitting, bidding and construction phase services to this project. The project comprised the replacement of an air relief valve and removal of an isolation valve in the Authorities Collection System.

Contract Amount \$730,462.40, Completed, December 2023

- C. **Water Main Replacement.** Alaimo Group provided planning, design, permitting, bidding and construction phase services to this project. The project included replacement of a water main on a County Bridge.

Contract Amount \$144,388.24, Completed, December 2023

Utility Authority Experience (Continued)

- D. **Hartford Road WPCF Orbal Aerator Repairs.** The project includes draining Cell No. 2 in order to complete concrete repairs and remove debris and the preparation of plans and specifications for the repair of broken discs and hoods on some of the aerators on the Orbal tank. The project is through the NJWB financing.

Contract Amount \$913,000, Completed, May 2023

- E. **Well 3 Redevelopment.** The project included the redevelopment of Well No. 3, including removal and rehabilitation of the existing pump and well piping that was installed and supplied by the Authority.

Contract Amount \$128,500, Completed, June 2023

- F. **Upgrade to both Atrium and Hooton Pump Stations.** Included in the upgrades are replacement of the pumps, controls, electrical facilities, flow meter chamber and building improvements. Site improvements are also part of the upgrades including paving and fencing. The project is through the NJWB financing.

Contract Amount \$1,200,000, Scheduled for Completion, April 2023

- G. **Hartford Road WPCF and Elbo Lane WTP SCADA System Improvements**
Alaimo Group provided Design through Construction Phase Services for two (2) SCADA projects which were bid as one contract. Construction is complete, as is punch list work and the required close out documents.

Contract Amount \$688,705 Construction, Completion 2017

- H. **Country Lane Sanitary Sewer and Force Main**

Alaimo Group has provided survey, design, bid and construction phase services to this project. An undersized force main is being replaced and a new water main is being constructed in Country Lane.

Contract Amount \$100,000 Engineering, \$550,764 Construction. Completed 2016

- I. **UV Disinfection System Upgrade**

Alaimo Group provided consulting engineering services in support of the subject upgrade at the Authority's Hartford Road WPCF. Design, Permitting and Construction Phase Services were provided by Alaimo's multi-disciplined project team.

Contract Amount \$696,341 Construction Completed.

Contact Person: Jonathan Sears, Chief Administrative Officer - (856) 722-5900 x 141

Utility Authority Experience (Continued)

1.6 Owner

Willingboro Municipal Utilities Authority

433 John F. Kennedy Way, Willingboro, NJ 08046

Description of Work

A. Well 5A Radium Removal Treatment Plant

Multi-disciplined A/E Renovation/Upgrade project that included selective demolition of existing equipment; and, the furnishing and installation of radium treatment system; construction of unit masonry pressure vessel building; installation of a precast concrete chemical feed and storage building; installation of chemical feed and handling equipment; structural repairs, architectural, HVAC, electrical, and plumbing improvements to the existing buildings; redevelopment of the existing well and well pump, booster pump, and control valve replacements; installation on natural gas fueled generator, transfer switch, and enclosure; and, upgrades to the existing control and instrumentation system.

Entire Project Amount \$4,000,000, Completed 2017

B. WPCP Grit and Screenings Equipment (NJWB)

Initial scope of the project includes installation of new grit removal and mechanical bar screen equipment. The scope of work was then expanded to modify the wet well interior and include two new raw dry pit submersible pumps with VFDs to accommodate the increased head requirements of the grit removal system. Per the request of the WMUA, the two existing recirculation pumps were to be modified to include new motors and VFDs. In addition, the WMUA requested we replace the raw sewage return control valve, replace the check valves and plug valves located on the raw sewage pump discharge. Screens in the Distribution box were later incorporated into the design to assist in removal of rags during the pumping bypass process.

Entire Project Amount \$6,991,676, Completion January 2022

C. Well 5A PFOS Treatment System Upgrade. The project for Well No. 5A involved the construction a PFAS removal treatment system sized for 2.0 MGD, utilizing granular activated carbon (GAC) to reduce PFOS concentrations to below 2 ng/L. The system consists of two treatment trains, each with two GAC vessels in series, housed in a new building along with an automatic screen filter for iron removal and separate electrical and mechanical rooms. The building includes fire-rated construction, ventilation, lighting, heating, wash-down facilities, and a trench drain. Upgrades include a larger well pump motor (200 HP) to meet increased head requirements and the addition of a second generator to handle total site load. Existing chemical feed systems for polyphosphate, lime, fluoride, and calcium hypochlorite remain unchanged in dosage but have new metering pumps and storage provisions. . Completed January 2024

Project Amount \$ 5,267,000

Contact Person: Emmanuel Stuppard, Executive Director - (609) 877-2900

Portfolio of Projects



Alaimo Group
Consulting Engineers

TOWNSHIP OF WOODBRIDGE, MIDDLESEX COUNTY, NEW JERSEY

SEGMENT 2 – GRIT CHAMBER UPGRADE WOODBRIDGE AVENUE PUMPING STATION



The Woodbridge Avenue Pumping Station, (Dry Weather 10.36 MGD Flow, 30 MGD Peak Wet Weather Flow) located in Sewaren, was upgraded as part of the Grit Chamber Rehabilitation Project (2017 – 2019) which included modifications to the existing Grit Chamber, a new Grit Collection Building, and modifications to the Pumping Station Building Lower Screen Room.

The Grit Chamber Rehabilitation Project included upgrades to various components of the existing Grit Chamber and consist of:

- a) New Grit Screw Conveyor Systems; one for each side of the Grit Chamber Channel.
- b) New Submersible Type Grit Pumps.
- c) New Grit Classifier/Washer Equipment to be housed in New Grit Collection Building with canopy.
- d) Slide Gate Valve Replacements, both within the Grit Chamber and in the Pumping Station Lower Screen Room with New Hydraulic Actuators.
- e) New Aeration System.
- f) New Hydraulic Tee-Screens; one for each side of the Grit Chamber Channel including Conveyor and Wash Press for screenings.
- g) Site Work and ancillary miscellaneous modifications.
- h) New Traveling Hoist and Monorail System using existing support steel with other structural modifications.
- i) New Grit Chamber covers to contain odors.
- j) New FRP access platform and stairs for operations and maintenance for the new Grit Chamber covers, grit screw conveyors, slide gate valves, aeration system piping and diffusers, and vertical screens.
- k) The 42-inch RCP inlet line to, and the 42-inch RCP bypass around the Grit Chamber was slip lined using 36-inch FRP pipe. This length was approximately 200 feet and required bypass pumping.

Design was completed in January 2017 with construction finishing in April 2019. The estimated total project cost (including construction, engineering, contingency) for the installation of the above items is listed below.

Construction Cost \$ 8,378,314.00; Engineering Cost \$ 1,737,046.00; Total Project Cost \$10,115,360.00

Contact:

Michael Gelin, P.E., Municipal Engineer
Phone: 732-602-6047 x4700
Michael.Gelin@twp.woodbridge.nj.us

Berkeley Township SA Bayview Avenue Force Main Replacement NJ I-Bank and NJDEP Helping to Improve New Jersey's Environmental Infrastructure, One Project at a Time



Pictures courtesy of the Alaimo Group

NJ I-Bank Project of the Week: Berkeley Township SA receives \$3,023,414 in Water Bank loans saving ratepayers approximately \$1,086,801.

Berkeley Township SA ("Authority") recently completed improvements to one of its pumping stations that are being financed with approximately \$3 million in loans from the NJ Water Bank, a low-rate funding program jointly administered by the DEP and the NJ I-Bank. Including interest cost savings, total savings for this project is estimated to be \$1,086,801 over the 30-year term of the loan or 34% of the total project cost. In addition, this project created an estimated 36 direct, one-year construction jobs.

Belaire sanitary sewage pumping station #2 was constructed circa 1968. The force main, an essential component of the wastewater conveyance system, was compromised, resulting in emergency repairs that were disrupting service and threatening the public's health, safety, and welfare. To alleviate these issues, the Authority installed a new ten-inch force main within the existing right-of-way located near the existing force main line.



Manholes for air release valves were also included. This project eliminated the continuing need for emergency repairs due to force main failure, and simultaneously improved the water quality of Barnegat Bay by reducing the number of breaks and sewage overflows.

Carmen F. Amato, Jr., Mayor of Berkeley Township stressed the need for the project. "We are dedicated to the health of our beaches and the bay. This project eliminated service disruptions, improved water quality, and helped to prevent negative impacts to shellfish beds. Our community benefits from the results of the project and the price tag. Financing these improvements through the Water Bank will save our ratepayers in the long run while they enjoy clean beaches and a beautiful bay."

This project was designed by the Alaimo Group and constructed by Montana Construction Corp., Inc.

For more information regarding borrowing through the NJ Water Bank, visit www.njib.gov.



Alaimo Group
Consulting Engineers

ELMWOOD PARK WATER TANK REPLACEMENT

Gilbert Avenue, Borough of Elmwood Park, NJ



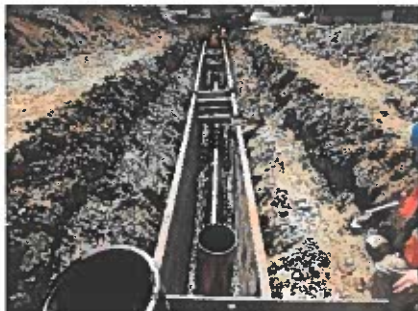
The work of this project consisted of replacement of the ground storage tank, demolish existing tank, design and construct a new 2.2 MG ground storage tank and to maintain the operation of the pumping station located on the project site.

Demolition of the existing tank which are known to have coatings containing lead and chromium, removal of all material containing or suspected to contain lead and/or chromium, complying with any and all State of New Jersey laws and regulations pertaining to lead abatement and disposal, foundation, vault and associated piping and removal from the contract site.

Construction of a concrete ring wall foundation, providing structural fill, sand, installation of inlet/outlet piping.

Design, furnishing and construction of a new ground storage tank, 98 feet in diameter and 39 feet to the overflow installation of all hatches, manholes, ladders, platforms, inlet/outlet piping, overflow pipe and structures. Free standing roof, vent, safety climbing systems, and all other associated equipment. Furnishing and construction of a concrete vault, blow-off piping, drainage system, tank inlet/outlet piping and fittings, and tank sensing lines, Tank Mixing System and a Cathodic Protection System for the newly constructed tank, application of paint and tank coating systems on the interior and exterior surfaces of the tank. Electrical and instrumentation work associated with the installation of the tank and associated facilities. Grading and clean-up of the site; Hot-Mix Asphalt paving in areas where pavement restoration was required.

Project Cost \$2,333,388; **Project Start Date** January 2018; **Project Completion** October 2018.



Mount Holly Municipal Utilities Authority

New Wastewater Treatment Plant and Existing Plant Expansion and Upgrades

Upgrade of Rancocas Road Wastewater Treatment Plant

Alaimo Group provided design through construction phase services to the Mount Holly Municipal Utilities Authority's existing Rancocas Road Wastewater Treatment Plant (WWTP) that was upgraded and expanded in 2010. Major project improvements included:

- New disc filters replace Tertiary (Sand) Filter.
- Cascade aeration added in Tertiary Filter Building.
- One post-aeration tank converted to chlorine contact tank.
- Rotary screw thickener process added, including new building to house equipment.
- Two (2) biotrickling filter odor control units added.
- New "tubing" pumps replace Sodium Hypochlorite chemical feed pumps.
- New containment area for existing Sodium Hypochlorite Storage Tanks.

Maple Avenue Wastewater Treatment Plant

Additionally, Alaimo Group designed a 3.0 MGD wastewater treatment plant located in Lumberton, NJ, which started-up in December 2010. The following is a description of the Maple Avenue Wastewater Treatment Plant (WWTP) process:

Wastewater enters the Influent Distribution Box and flows by gravity to the Headworks System, which includes fine screening, grit removal and grease removal. Following the Headworks, wastewater flows by gravity to the Aeration Tank consisting of six (6) tanks or passes in series. During normal operation two (2) tanks are anoxic, three (3) are aerobic activated sludge tanks, and one (1) tank is reserved for re-aeration of Return Activated Sludge. Treated wastewater exits the Aeration Tank and



Maple Avenue Wastewater Treatment Plant during construction.

flows by gravity to the three (3) final clarifiers. After clarification, wastewater flows by gravity to the Effluent Pumping Station. Depending upon the flow rate, the Maple Avenue WWTP effluent

flows by gravity or is pumped to the tertiary filters at the Rancocas Road WWTP via a 20-inch pipeline. Activated sludge from the final clarifiers is returned to Aeration Tank, and some of it is "wasted" and conveyed by gravity or pumped to the Rancocas Road WWTP via the 8-inch sludge line for thickening and disposal.

Edward Street Pumping Station

Alaimo Group was design engineer for the upgrades to the existing Edward Street Pumping Station. The following new equipment was constructed to increase the rated capacity:

- Two (2) submersible pumps with 100 HP motors with variable speed drives replaced existing dry-well wastewater pumps and motors.
- An 8-ft. diameter pre-cast concrete wet well replaced the existing wet well.
- Natural gas fueled emergency generator with automatic transfer switch, electrical equipment, pump control panel and circuit breakers.
- Pre-cast concrete valve vault with magnetic flow meter, jib crane and site light.

Madison Avenue Pumping Station

As the design engineer for the upgrades to the existing Madison Avenue Pumping Station, Alaimo Group had the following new equipment installed for more efficient and reliable operation:

- Two (2) submersible dry-pit pumps with 45 HP motors and variable speed drives replaced existing pumps, motors, piping and valves.
- New gas service for the emergency generator replaced existing emergency generator and transfer switch, and electrical equipment.
- Pump control panel, electrical equipment, circuit breakers and disconnect switches replaced; magnetic flow meter added.
- Bypass chamber added to allow pumping to either Rancocas Road WWTP or Maple Avenue WWTP.

New Force Mains

The following force mains were constructed as part of the wastewater upgrading and expansion project:

- Existing Hainesport Force Main extended to convey wastewater from Hainesport and Moorestown Township to the Maple Avenue WWTP. The Hainesport Force Main extension to the Maple Avenue WWTP is 2,870 LF of 16-inch PVC pipe and 60 LF of 16-inch DI pipe.
- New Madison Avenue Force Main to Maple Avenue WWTP is 3,525 LF of 12-inch PVC pipe and 265 LF 12-inch HDPE pipe
- New Maple Avenue Plant Effluent Force Main conveys the Plant Effluent to the Rancocas Road WWTP where it is filtered, disinfected and aerated. The force main is 2,631 LF of 20-inch PVC pipe, 1,000 LF of 20-inch HDPE pipe, and 80 LF 20-inch DI pipe.
- A sludge force main was constructed to convey waste activated sludge from the Maple Avenue WWTP to the Rancocas Road WWTP. The sludge force main is 3,548 LF 8-inch PVC pipe, 1,000 LF 10-inch HDPE pipe and 80 LF 8-inch DI pipe.

ALAIMO GROUP

CINNAMINSON SEWERAGE AUTHORITY CINNAMINSON TOWNSHIP, NJ

Project Components

IMPROVEMENTS:

Increase Total Aeration
Capacity by 20 percent
Installation of New
Effluent Pump Station
600,000 Gallon Concrete
Flow Equalization Tank

CONSTRUCTION COST:

\$3,600,000

Client:
**Cinnaminson
Sewerage
Authority**

Contact:
Robert O'Connor
Chairman
(856) 829-5287

Wastewater Treatment Plant



Alaimo Group completed a \$3.6 million capital program to improve and upgrade the Cinnaminson Sewerage Authority's 1.5 MGD Wastewater Treatment Plant. The modifications included an aerator unit support system, a series of six bridges over process tankage. Two bridge-mounted aerator units were replaced with larger units, and four others were modified to increase the total aeration capacity by some 20 percent. Because the plant effluent is discharged into the tidal waters of the Delaware River, there had been a recurring problem of hydraulic backup into the chlorine contact tank. This condition was solved by the installation of a new effluent pump station. Additionally, a new personnel support and maintenance building with locker rooms; lunch and training room; two-bay shop; and garage was installed. Also constructed was a 600,000 gallon concrete flow equalization tank, and new primary and secondary settling tanks to enhance the plants solids removal capacity by 50%. Alaimo Group has represented the Cinnaminson Sewerage Authority since 1969.

ALAIMO GROUP

EVESHAM TOWNSHIP MUA BURLINGTON COUNTY, NEW JERSEY

Project Components

SERVICES PROVIDED:

Design of 2.5 MGD
Wastewater Treatment
Plant

AWARD:

U.S. Environmental
Protection Agency
National Operations and
Maintenance Excellence
Award

PROJECT COST:

\$15,500,000

Elmwood Wastewater Treatment



For the Evesham Municipal Utilities Authority Alaimo Group designed a 2.5 MGD Wastewater Treatment Plant in 1989. The Elmwood WWTP, one of three located in the Township, was designed to serve a population of some 25,000 people. The \$15.5 million facility went into operation on March 1, 1991, nearly seven months ahead of schedule, and met effluent standards within a month of startup. This facility has a fully distributed instrumentation control and monitoring system. The design also provided for on-site emergency power generation; an eight-bay maintenance garage for vehicles and equipment; an office and administrative complex with locker rooms, lunch and training area, and a laboratory for water quality control. In response to revisions to the Township's Master Plan which projected higher populations for this plant's service area, the plant was rerated to 3.0 MGD in 1996. The plant's design allowed for this rerating to be granted by the NJDEP after a capital expenditure of only \$151,000.

Client:
Evesham MUA

Contact:
Edward T. Waters, Jr.
Chairman
(856) 983-1878

ALAIMO GROUP

EVESHAM TOWNSHIP MUA BURLINGTON COUNTY, NEW JERSEY

Woodstream Wastewater Treatment Plant

Project Components

IMPROVEMENTS:

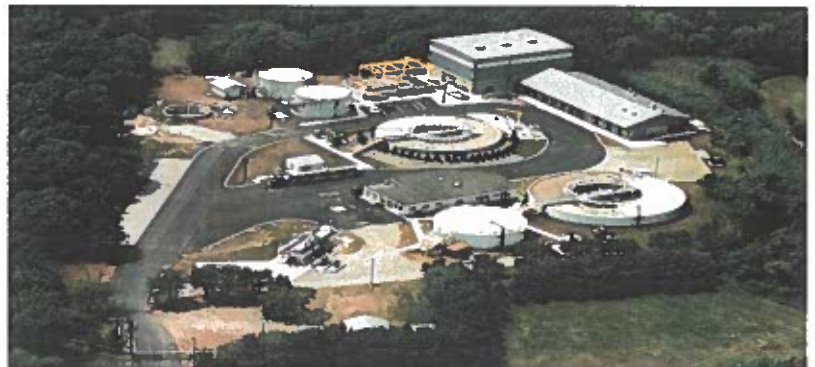
Plant Upgrade to Improve
Treatment Efficiencies
Innovative Nitrification/
Filtration System

AWARD:

ESEPA Region II
Operations and
Excellence Award, 1999

PROJECT COST:

\$9,900,000



The Woodstream Wastewater Treatment Facility was originally constructed in the mid-1960's as a 0.5 million gallons per day (MGD) treatment plant. By the late 1970's, the plant had been expanded and upgraded to treat 1.5 MGD at an advanced secondary level (90% removal of solids and organic matter). The recent upgrade of the Woodstream facilities was initiated in August 1993, when the New Jersey Department of Environmental Protection (NJDEP) issued the plant's discharge permit renewal.

Since the plant would require major construction work to meet these requirements, it was decided to also address other deficiencies at the same time. The resulting process configuration was selected to improve treatment efficiencies to meet all of the DEP limitations, rehabilitate processes which were deteriorating due to their long time in service and add processes to improve the aesthetics of the plant. A patented Biofor process was selected since it could replace inefficient, twenty year old sand filters as well as provide the required ammonia removal in the same tankage. In addition to the process upgrades, facilities were constructed to scrub the air from those processes where conditions for odor generation are present. The scrubbers are designed to remove over ninety-five percent of the odorous gases. Also, a plant administration building was constructed to provide an operations control center, locker rooms, a training room, a lunch room, repair shops and electrical equipment rooms. The Woodstream Wastewater Treatment Facility is now capable of providing state of the art service into the next century.

Client:
Evesham MUA

Contact:
Edward T. Waters, Jr.
Chairman
(856) 983-1878

ALAIMO GROUP

FLORENCE TOWNSHIP BURLINGTON COUNTY, NEW JERSEY

Water Pollution Control Facility

Project Components

SERVICES PROVIDED:

Planning
Permitting
Design
Construction
Management
Field Services

IMPROVEMENTS:

Upgrade and expand
capacity from 1.5 million
GPD to 2.5 million GPD

AWARD:

Consulting Engineers
Council of New Jersey
Distinguished Award,
2003



In 1995 the Township of Florence became aware that their Water Pollution Control Facility was having difficulty meeting its current permit limitations and would have even more difficulty meeting future permit limitations that were expected to be imposed by the State. In addition, the Township, in conjunction with Burlington County officials, was embarking on a plan to revitalize the Route 130 corridor through the Township. The Township realized that in order to accomplish this goal, additional treatment plant capacity would be required to support the revitalization effort.

As a result, the Township charged the Alaimo Group with the responsibility of preparing and obtaining all permits; complying with all requirements of the New Jersey Environmental Infrastructure Trust Program to obtain financing at the lowest possible cost; preparation of designs and construction documents; and construction management and field services. The Township required that the project be completed in the most expeditious manner, but also in accordance with the loan program schedule.

Client:
Florence Township
Water Pollution
Control

Contact:
Kent Jones
Utility@florence-nj.gov
609-499-2518

ALAIMO GROUP

MAPLE SHADE TOWNSHIP BURLINGTON COUNTY, NEW JERSEY

Wastewater Treatment Plant Upgrade



Project Components

IMPROVEMENTS:

3.4 MGD Wastewater
Treatment Plant

Serves more than 19,000
People

New Jersey Treatment Trust
Fund Project

AWARD:

New Jersey Society of
Municipal Engineers
Project of the Year Award -
1991

PROJECT COST:

\$16,500,000

Client:
**Maple Shade
Township**

Contact:
Susan Danson
Township Manager
(856) 779-9610

Alaimo Group provided planning, design, survey, permitting, architecture, and bid and construction-phase services for Maple Shade Township for its new 3.4 MGD Wastewater Treatment Plant. The original facility had been constructed in the 1920's to provide basic treatment of wastewater. Under edict by NJDEP to achieve compliance with stringent standards for effluent quality, Maple Shade Township retained our firm to replace the original WWTP. The \$14.5 million facility utilizes the extended aeration modification of the activated sludge process using a multiple channel tank design with Orbal Aeration Discs to treat the raw sewage for the Township of more than 19,000 people. In addition to the process facilities, Tri-State Architects, an affiliate member of Alaimo Group, designed the Administration and Personnel Support Building with offices, a water-quality laboratory, locker rooms, lunch and training rooms. Nearby are two chemical feed buildings for alum and caustic feed equipment and chlorine and sulfur dioxide storage, a pump building and a sludge handling building. The facility was designed, permitted and constructed on an expedited basis, startup operations began in July 1990. Nearly 90% of the project costs were funded through a loan obtained from the New Jersey Wastewater Treatment Trust. Alaimo Group has, since our original appointment in 1975, designed and assisted with operational startup more than \$10 million of pumping stations, force main and collection system improvements.

ALAIMO GROUP

MOUNT LAUREL MUA BURLINGTON COUNTY, NEW JERSEY

Elbo Lane Water Treatment Plant



Project Components

IMPROVEMENTS:

Upgrade and Expand
Capacity to Improve
Treatment Efficiencies

SERVICES PROVIDED:

Planning
Design
Permitting
Reconstruction Phase
Services

PROJECT COST:

\$21,000,000

The Elbo Lane Water Treatment Plant project involved the construction of a new ground water treatment plant to replace two (2) existing ground water treatment plants for the Mount Laurel Municipal Utilities Authority (MLMUA). One existing plant was partially demolished and a garage constructed at the site. One existing well was modified to pump to the new plant. The other existing plant was entirely demolished except for the well located at the site which was modified to pump to the new plant. The third existing well was modified to pump to the new plant. New piping was constructed to transmit the raw water from the wells to the new plant and finished water piping distributes the treated water to the system. The completed ground water treatment plant consists of the following major components:

- Two (2) sixty three (63') foot diameter solids contact clarifiers covered with aluminum dome type structures.
- A 19,000 square foot administration/operations building containing offices, lavatory and shower facilities, conference rooms, laboratory and electrical, and instrumentation equipment.
- Two (2) – 100,000 gallon, steel backwash storage tanks with steel covers.
- Submersible type sanitary sewer pumping station.
- Stormwater detention basin and Stormwater pumping station.
- Installation of approximately 11,000 LF of 10" through 24" ductile iron water main.

Client:
Mount Laurel MUA

Contact:
Jonathan Sears, CAO
(856) 722-5900 Ext 141

ALAIMO GROUP

MOUNT LAUREL TOWNSHIP BURLINGTON COUNTY, NEW JERSEY

Project Components

SERVICES PROVIDED:

Planning
Design
Construction
Management

IMPROVEMENTS:

New Jersey
Environmental
Infrastructure Trust
Project
Flow - 6 MGD

AWARD:

Consulting Engineers
Council of New Jersey
Distinguished Award -
1998

PROJECT COST:

\$17,000,000

Hartford Road Pollution Control Facility



Alaimo Group completed the planning, design and construction management services for the upgrade of the Hartford Road Water Pollution Control Facility. Funding assistance was provided by the New Jersey Environmental Infrastructure Trust Program. The permitted capacity of the new facility is 6 MGD and was designed to incorporate biological nutrient removal.

The major components of the new facility include a 190 foot by 270 foot oxidation ditch, two (2) - 100 foot diameter final clarifiers, ultraviolet disinfection, solids handling facilities including sludge thickening and dewatering, a central monitoring and control system, new electrical and emergency generation facilities, a new administration control building and laboratory and a warehouse building.

Client:
Mount Laurel MUA

Contact:
Jonathan Sears, CAO
(856) 722-5900 x-141

Willingboro Municipal Utilities Authority
WPCP Screening and Grit Removal Equipment Upgrade

The Willingboro Municipal Utilities Authority (WMUA) had experienced difficulties at their Water Pollution Control Plant (WPCP) in removing grit and debris from process equipment and downstream piping on a continual basis. This has led to costly maintenance and repair work to keep downstream treatment processes functional and operating at permit discharge limits. The plant is designed to operate at a flow rate of 13.05 million gallons per day (MGD), based on an average flow rate of 5.22 MGD.

In 2020, the WPCP was upgraded to including the following modifications:

- a) Installation of new mechanical bar screens with screenings washer/compactor, discharge ducting and screenings dumpster.
- b) Installation of two (2) vortex grit removal systems, including vortex tanks, grit classifier, piping, concrete pad and dumpster.
- c) Installation of (2) new dry pit submersible pumps and associated control panel.
- d) Selective demolition of comminutor, bypass manual screens, gates, raw sewage pumps, controls and associated instrumentation.
- e) Removal of existing grit, screenings and sludge within the primary wet well.
- f) Modification of wet well equipment platforms.
- g) Installation of new gates within the primary wet well.
- h) Installation of two (2) new manual bypass screens.
- i) Installation of wet well emergency hatch with portable hoist.
- j) Installation of canopy over mechanical barscreen.
- k) Installation of new 24" diameter ductile iron piping, extending existing force main to and from the vortex grit removal system.
- l) Construction of new access and pavement to screenings dumpster and grit dumpsters; relocation of existing light pole; relocation of existing fire hydrant.

Design was completed in May, 2020 with construction finishing in December, 2021. The estimated total project cost (including construction, engineering, contingency, construction management, and fees) for the installation of the above items is listed below.

Construction Cost	\$6,666,000.00
Engineering, Construction Management, Fees Cost	<u>\$1,559,280.00</u>
TOTAL PROJECT COST	\$8,225,280.00



Alaimo Group
Consulting Engineers

Laurence Harbor Sewage Pump Station Resiliency Retaining Wall



The Laurence Harbor Wastewater Facility is located along the Raritan Bay in Old Bridge, Middlesex County, New Jersey. The Facility is owned and operated by the Old Bridge Municipal Utilities Authority (the "OBMUA") and consists of a wastewater pumping station, maintenance garages, a storage facility, and administrative offices. The wastewater facilities are located on the former waterfront site of a treatment plant. The property was flooded as a result of the storm surge caused by hurricane sandy. Alaimo Group provided design services for the construction of a retaining wall to stabilize the area adjacent to the beach and prevent future erosion and undermining of the authority's buildings.

The objective of the project was to permit and design a means of stabilizing the waterfront in a manner that conformed to coastal regulations and that ensured the long-term protection of its wastewater facilities at this location. The primary objective was the prevention of any breach or damage to the 1 MGD pump station that could cause operational disruption or serious environmental impacts. The project involved Flood Hazard Designation revision and CAFRA Regulatory Compliance. The design elements encompassed stone revetment, retaining wall system, run-up zone and a flood wall.

The resulting completed project provided flood control within the AE zone to prevent inundation of the wastewater facility during the most extreme storm events with an annual recurrence rate of 0.2%; and shoreline protection of the wastewater facility within the high hazard (VE) zone as a result of the construction of structural improvements landward of the high water line.

Construction commenced in April 2015 and was completed in December 2015.

Final Cost of Construction \$1,799,835.

Client: Old Bridge Municipal Utilities Authority
Contact: Michael Roy, Executive Director
Phone: 732-679-8440/mroy@obmua.com

Additional Services



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

Municipal Services

Richard A. Alaimo Associates (Alaimo Group) has built its reputation through years of public service. We are one of the few firms that specialize in work for the public sector, thus avoiding any appearance of conflict in providing service to our clients. Our main source of business is our service as engineer of record for our municipal clients. We have represented several of these clients for well over thirty years. This success can be attributed to the firm's basic principle to understand our client's needs, protect their interests and provide quality, sound engineering in all aspects of our work.

The services we provide to our clients range from day to day response to resident concerns, to preparation of roadway improvement programs, to various miscellaneous design services. In addition, we provide assistance to our clients for preparation of various grant applications, permitting and basic general engineering. Our field services department provides inspection for residential and commercial development in the municipalities that we represent. We have developed procedures which ensure the quality of construction.

Richard A. Alaimo Associates (Alaimo Group) as a designated engineer for our municipal clients provides the following services:

- Prepares or cause to be prepared plans, designs and specifications for public works and improvements undertaken by the municipality.
- Provides and maintain surveys, maps, plans, specifications and control records with respect to public works and facilities owned or operated by the municipality.
- Provides technical and engineering advice and assistance to other municipal departments, as needed.
- Maintains all papers, documents, memoranda, reports and other materials relating to the administration of engineering duties provided.
- Provides services to the Tax Assessor to update the Tax Map on a current basis.
- Attends all meetings as requested by the governing body, Zoning Board of Adjustment and Planning Board.
- Provides Special Projects Engineering services as directed by the Township.
- Provides planning and general inspection advice as directed or required.

In addition to our duties as prescribed by law and client specific ordinances and direction, Richard A. Alaimo Associates (Alaimo Group) has specific relevant project experience in Design, Construction Management, Contract Administration and Public Works Construction for major capital improvements. The Firm has provided these services to the New Jersey Department of Transportation, New Jersey Turnpike Authority, South Jersey Transportation Authority, Bergen, Burlington, Camden, Essex, Gloucester, Middlesex, Morris, Ocean, Passaic, Salem and Union Counties as well as numerous Municipal Improvements with construction value well in excess of \$110 million over the past several years. These projects include not only road construction/reconstruction, but also the construction of bridges, culverts, dams and bulkheads, drainage improvements, site developments, recreational facilities, and building renovations.

When directed and authorized by the client, Richard A. Alaimo Associates (Alaimo Group) shall:

- Prepare, review, and approve construction plans and specifications for all assigned capital improvement and public works contracts; provide construction observation during the construction phase of such contracts; and verify work completed to authorize progress payments for contracts.
- Provide and maintain maps, plans, specifications, surveys and other records as may be needed for public work and facilities owned and operated by the municipality.

- Provide services necessary to review property changes and transfers, determine their conformance with the tax map; and provide any necessary alterations of the tax map and maintain, on a current base, tax maps and the associated tax map records.
- Provide the services necessary to review and make recommendations concerning various subdivisions and site plan proposals regarding their conformance or non-conformance to applicable municipal ordinances and/or the general requirements of design practice.
- Provide the services necessary to observe, assess conformity to Approved Plans and Ordinance requirements and report upon the installation of site plan and improvements and subdivision improvements in connection with commercial and residential site developments.
- Provide the necessary services to review, assess conformity to requirements and take necessary action with respect to issuance of certificates, permits, licenses and similar regulatory documents, and when requested, provide technical advice to other municipal employees, officials and agents concerning their review of such documents.
- Provide the services necessary to prepare and provide detailed reports regarding feasibility investigations, economic comparisons, land use, planning, community development proposals, public works project and functions, planning and financing schedules.
- Provide the services necessary to prepare for deposition in judicial or semi judicial hearings and shall provide testimony as required when subpoenaed in connection with Municipal business.

Our staff, in addition to its critical supportive role in all of our diversified engineering services, is frequently called upon by our governmental clients for the preparation of special studies, research papers and financial reports. Collectively, our staff has appeared thousands of times to give expert testimony before Planning Boards, Zoning Boards, Municipalities, County and State commissions and other levels of government. Our services include the capability to prepare a variety of special studies.

Our professional planners, surveyors and highway engineers prepare master plans for municipal street improvement programs, rural and county roads and highways, right-of-way studies and surveys, environmental impact studies, route location reports, feasibility studies, traffic, intersection, and signalization studies, watershed management studies, parking analyses, origin and destination surveys, and bridge evaluation and inspection reports.

Our design services include not only roads, streets and highways, but bridges and culverts, drainage systems, parks and recreation facilities, parking areas, ramps and approach ways, signalization and traffic controls, and soil erosion and sedimentation controls, to name a few. Richard A. Alaimo Associates (Alaimo Group) provides Computer Assisted Engineering and Computer Assisted Design and Drafting (CAE/CADD) to facilitate design and drafting of all projects.

Alaimo certified field services personnel, certified by the National Institute for Certification in Engineering Technologies (NICET) observe work in progress, and verify compliance with the design standards, local ordinances and accepted construction practice. These personnel provide daily site reports which describe the weather, site conditions and work accomplished. Frequently, our field services personnel can identify problems and resolve issues by applying their experience and insight at the time the matter arises; thereby reducing the need for claims, change orders or delays. Due to the nature of the business we are in, and in an effort to serve the needs of our clients, Alaimo staff is available to respond whenever the need arises.

Richard A. Alaimo Associates' approach to design and project management is both systematic and practical. It includes planning, design review, resident field services and construction management. The long term success and growth of the firm has been largely due to our capability to design and manage the construction of a wide range of municipal projects: highways, roads, bridges, water and wastewater plants, underground utilities, drainage systems, buildings for public use, recreational, and environmental and special use facilities.



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

Tri-State Architects, P.C.



Buildings/Architecture

Richard A. Alaimo Associates (Alaimo Group) formed Tri-State Architects, a Professional Services Corporation to complement the civil, structural, mechanical, and electrical engineering departments and complete the ability of Alaimo Group to provide a comprehensive range of building design services. Tri-State building projects have ranged from minor renovations and repairs to the design and construction management of major new multi-million dollar facilities. Tri-State's Lead Architect has considerable experience in the Building industry and is AIA, LEED Certified and a Registered Architect in the State of New Jersey with extensive AutoCAD experience along with other software program skills. Tri-State's programming, planning, design and construction phases assure the owner full participation in the design and construction process.

Project Experience

School Renovations

School Renovations have been designed and the construction managed for the following Boards of Education: Atlantic City, Mount Holly, Voorhees, New Hanover, Eastampton, Willingboro, Delran, Burlington County Special Services School District and Essex County Vocational & Technical Schools. College renovations included Rutgers University and Passaic County Community College. Projects have ranged from the conversion of a large classroom into a Day Care Center to the conversion of a turn of the century building in Camden into the Rutgers Interim Law Library. Projects have included modernization of schools to meet current code requirements such as ADA as well extending the building life expectancy by re-roofing, adding new doors and windows, renovating ceilings, walls, floors and asbestos abatement, as well as upgrading electrical, lighting and HVAC. Projects have ranged from less than \$20,000 to multi-million dollars.

Municipal Buildings

Projects have ranged from minor renovations of existing facilities for current code compliance to major renovations extending the useful life of the facilities, to brand new facilities. Township buildings in Ewing, Maple Shade, Bloomingdale, Hainesport, Tabernacle and Westampton had previously undergone significant modifications to bring them up to current codes and allow handicapped accessibility. New facilities were designed and construction managed for Mount Laurel Township and the Jackson Township MUA and an expansion was done to the Willingboro MUA building. A majority of these projects included replacement or upgrades of HVAC and electrical systems. Projects have ranged from \$30,000 to multi-million dollars.

Senior Citizen Centers

A Senior Citizen Building in Hainesport Township was renovated to allow full handicapped access. In the City of Bordentown an addition was added to the existing community center to serve as a Senior Citizen Center. A 21,000 square foot addition allowed for a new banquet facility and elevator to accommodate senior citizens in Evesham Township; and Memorial Hall in the City of Burlington was renovated and expanded by a Three Level Wheelchair Lift that provides much needed ADA access for its patrons, senior citizens and veterans. All buildings were renovated to meet current ADA and building code requirements. Projects ranged from \$50,000 to \$1,300,000.

Golf Course Clubhouses

Projects have included the privately owned Deerwood Country Club as well as publicly owned Mercer Oaks Golf Course clubhouses. These clubhouses include full banquet facilities, Pro-shops, locker rooms, full kitchens, and bar and grill rooms. Projects have ranged from less than \$1 million to more than \$3 million.

Garage Buildings

Projects included garages for the Townships of Morristown, Maple Shade, Riverside, Mount Laurel, Moorestown, Medford, Mount Holly, Florence, and Morristown; and Mercer Oaks and Deerwood golf courses. Garages feature office areas, break rooms, operation/shop areas, storage areas and infrared heating systems. Projects have ranged from \$300,000 to over \$2,000,000.

Public Park Pavilions

Projects included support facilities for major parks including restrooms, concession stands, gazebos, bandshells, and covered picnic areas for the Townships of Evesham, Mount Laurel, Edgewater Park, Mount Holly, East Rutherford, Burlington, Dumont, Linden, Bordentown City, South Brunswick, Haledon, and Woodland Park.

Fire House & Police Building Renovations

Projects have ranged from the repairs and renovations of existing firehouses to converting and updating buildings to be used by Police Departments. For the Wanaque fire department an exterior insulation and finish system (EIFS) system was chosen to enhance the appearance. Structural modifications were designed to allow replacement of two separate fire truck doors with a single larger door which increased the range of vehicles that the fire department can house. For the Fire Department in Medford Township and the Police Departments of Bloomingdale Borough, Stafford Township and Eastampton Township buildings were renovated and modernized. Project costs ranged from \$90,000 to \$2,500,000.

Industrial Buildings

Projects have ranged from small pump stations to a material recycling facility. Support buildings have been designed and constructed for treatment plants, landfills and transfer stations. Clients include the Municipal authorities of Mt. Laurel, Evesham, Cinnaminson, Willingboro, Riverside, Delran and Evesham, the Townships of Maple Shade and Florence, the Counties of Burlington, Gloucester, Union, Bergen, Passaic, Middlesex and Mercer. Each of these projects included full design of HVAC systems for the buildings. Jobs have ranged from less than \$100,000 to multi-million-dollar projects.

Wastewater Treatment Plant Administration Buildings

Administration buildings have been designed and/or expanded and the construction managed for the Treatment Plants owned and operated by the Municipal Authorities of Mt. Laurel, Evesham, Mount Holly, Cinnaminson, Delran, Riverside, Willingboro and Evesham, as well as the Townships of Florence and Maple Shade. Project costs have ranged from approximately \$300,000 to well more than a million dollars.

Roof Replacements

Projects have ranged from complete roof tear offs and replacements for municipal buildings in the Townships of Mt. Laurel, Mount Holly, Willingboro and the Boroughs of Pompton Lakes and Wanaque. Replacement roofs have been designed and constructed for built up, modified bituminous and EPDM roofs. One project involved the design and construction of a new metal "A" frame roof added to replace a problematic flat roof. All work was done in conformance with the New Jersey Uniform Construction Code's Rehabilitation Subcode. Projects have ranged from \$40,000 to over \$2,700,000.

Masonry Repairs

Projects have ranged from repointing of historic structures to completely rebuilding inadequately constructed walls. Design services involved the inspection of existing conditions, correction methods for all defective construction found as well as increasing methods to correct moisture penetration. All work was done in conformance with the New Jersey Uniform Construction Code's Rehabilitation Subcode. Projects have ranged from \$60,000 to over \$400,000.

Building Additions

Projects have ranged from additions to industrial warehouse type structures to laboratory and administration type building additions and clubhouse and municipal building additions. Design services included evaluating the existing handicap accessibility, building code compliance, utility requirements, and the corresponding required upgrades. All work was done in conformance with the New Jersey Uniform Construction Code's Rehabilitation Subcode. Projects have ranged from \$60,000 to over \$2,000,000.

Renovations

Projects have ranged from renovating and upgrading existing locker room and bathing facility to allow handicap accessibility, secure entrance ways, improve circulation, optimize existing space, provide required improvements in finishes to the raising of an existing roof to allow room for a vehicle lift to be installed and, interior improvements that included two restrooms. All work was done in conformance with the New Jersey Uniform Construction Code's Rehabilitation Subcode. Projects have ranged from \$40,000 to well over \$1,000,000.

Handicap Accessibility

Projects have included the inspection of existing facility, and the corresponding corrective action required such as the addition of ramps and handrails, modifications to existing bathrooms, addition of elevators, replacing doors, modifying working spaces, and ADA compliancy. All work was done in conformance with the New Jersey Barrier free Subcode as well as ANSI/CABO 117.1 and the federal ADA requirements. All work was done in conformance with the New Jersey Uniform Construction Code's Rehabilitation Subcode. Projects have ranged from \$30,000 to over \$600,000.



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

Structural Engineering Services



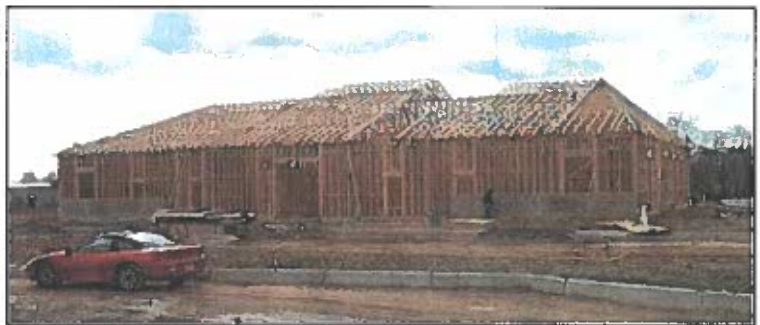
Richard A. Alaimo Associates (Alaimo Group) has extensive design experience in concrete, steel, aluminum, masonry and wood structures. Our structural engineers are certified with the Structural Engineering Certification Board and are active in the American Institute of Steel Construction, the American Society of Civil Engineers and the American Concrete Institute.

As Consulting Engineer for over seventy public entities, we are responsible for a wide range of new and renovated structures. Design projects have ranged from dams to multi-story buildings and have involved the structural evaluations and cost effective recommendations for repairs and retrofits. Our firm utilizes both advanced computer

analysis programs as well as old-fashioned hand calculations to provide practical and code compliant structural solutions.

Sample Project Types

- Water & Wastewater Treatment Tanks and Buildings
- Sewage Pump Stations
- Bridges & Culverts
- Dams
- Municipal Buildings
- Building Additions
- Fire House Renovations
- Golf Course Clubhouses
- Storage Facilities
- School Rehabilitation
- Community Centers
- Bulkheads
- Retaining Walls
- Garages and Office Buildings
- Parking Structures
- Special Inspections
- Fueling Stations
- Masonry Repairs





*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

Electrical Engineering Services

As a multi-disciplined firm, the electrical department at Richard A. Alaimo Associates (Alaimo Group) offers engineering and design services to all internal departments, including water and sewer, architecture, highways, and municipal engineering. Our electrical department has successfully completed numerous projects for public clients across New Jersey.

Richard A. Alaimo Associates provides electrical engineering services for our municipal and utility authority clients. Included in those projects are water and wastewater treatment facilities, water and wastewater pumping facilities, wells, supervisory control and data acquisition systems for both treatment plant control and water distribution system control. Alaimo has previously provided services to County and Municipal clients in Atlantic, Burlington, Bergen, Gloucester, Mercer, Middlesex, Ocean, Passaic, Salem, and Union Counties.

The electrical engineering staff has extensive experience in all phases of electrical engineering required for industrial, commercial and utility applications. Staff personnel have engineered and specified complete systems for medium voltage and low voltage power distribution, communication distribution including fiber optics, interior lighting, exterior lighting including sports field lighting, fire alarm, security, video, process control, plant instrumentation, and integrated control systems. Some examples of specific projects involving electrical design and construction coordination are as follows:

Atlantic City Board of Education

Electrical engineer for design and construction of stand-by generators at Dr. Martin Luther King and New York Avenue Schools, 600kW and 750kW respectively. Work included design of generator sets, transfer switches, interconnections, platforming, and preparation of electrical specifications. Construction Cost \$1,600,000.

Rutgers University

Electrical engineer services for design and construction of art inclusion at the School of Nursing and Science Building. Work scope included design of lighting, power distribution, structural supports from suspended structures, coordination with university drawing and specification standards, coordination with prequalified university contractors, and preparation of electrical permit drawings.

Township of Monroe

Electrical Engineering services for the design and construction of Police Headquarters addition and alterations. Work scope included design of electrical service upgrade, stand-by generator replacement upgrade, interior lighting, power distribution, parking lot lighting, alarm systems, coordination with the electric utility company, and the preparation of electrical specifications. Construction Cost \$5,700,000.

Mount Laurel Township

Electrical engineer services for design and construction of two (2) soccer fields and seven (7) baseball facilities consisting of 60' fields, 90' fields, and parking lot lighting. Work scope included design of lighting, power distribution, coordination with the electric utility company and contractors, and preparation of electrical specifications. Construction Cost \$1,850,000.

Borough of Totowa

Electrical engineer services for design and construction of two (1) football fields and three (3) baseball facilities consisting of 360' field, 60' fields, and park lighting. Work scope included design of lighting, power distribution, coordination with the electric utility company and contractors, and preparation of electrical specifications. Construction Cost \$990,000.

Moorestown Township

Electrical Engineering services for the design and construction for North Church Street Water Treatment Plant. Work scope included design of electrical service upgrade, stand-by generator upgrade, interior lighting, power distribution, alarm systems, coordination with the electric utility company, integration into new township owned fiber optic backbone network with supervisory control and data acquisition (SCADA) and the preparation of electrical specifications. Completed in 2020. Construction Cost \$18,793,000.

Evesham Municipal Utilities Authority

Electrical Engineering services for the design and construction for Elmwood and Woodstream Wastewater Treatment Plants complete supervisory control and data acquisition (SCADA) upgrade and replacement projects. Work scope included design replacement of nine (9) remote terminal unit cabinets, fiber optic network cabling between remote terminals, radio system point to point connection between plants and the preparation of electrical specifications. Construction Cost \$1,040,000.

Willingboro Municipal Utilities Authority

Electrical Engineering services for the design and construction for Well 5A PFOS Water Treatment Process. Work scope included design of electrical service, stand-by generator, interior lighting, power distribution, alarm systems, coordination with the electric utility company, integration into existing on-site supervisory control and data acquisition (SCADA) and the preparation of electrical specifications. Completed in 2021. Construction Cost \$5,260,000.

Mount Laurel Municipal Utilities Authority

Electrical Engineering services for the design and construction for Devonshire Wastewater Pumping Station. Work scope included design of electrical service upgrade, stand-by generator upgrade, interior lighting, power distribution, alarm systems, classified area coordination in accordance with NFPA 820, coordination with the electric utility company, integration into new cellular network supervisory control and data acquisition (SCADA) and the preparation of electrical specifications. Construction Cost \$759,000.

Passaic County Board of County Commissioners

Electrical Engineering services for the design and construction of salt storage building, warming shelter and associated parking lot. Work scope included design of electrical main service, interior lighting, power distribution, site lighting, block heaters, and the preparation of electrical specifications. Construction Cost \$1,600,000.

Township of South Brunswick

Electrical Engineering services for the design and construction of the concession stand and equipment building for Harvest Wood Park. Work scope included design of interior lighting, power distribution, coordination with the electric utility company, and the preparation of electrical specifications. Construction Cost \$800,000.



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

Mechanical Engineering Services

The mechanical department provides engineering and design services for all departments within Richard A. Alaimo Associates (Alaimo Group) including the water and sewer department, the architectural department, the highway department and the municipal engineering department. The mechanical department has successfully completed a wide variety of projects for our public clients across the State of New Jersey.

Alaimo provides mechanical engineering services for our municipal and utility authority clients. Project work includes water and wastewater treatment facilities, water and wastewater pumping facilities, wells, supervisory control, and data acquisition systems for both treatment plant control and water distribution system control.

The mechanical engineering staff has extensive experience in all phases of mechanical engineering required for heavy industry. Staff personnel have engineered and specified complete HVAC systems including plumbing, heating and fire protection. Some examples of specific projects involving mechanical design and construction coordination are as follows:

Atlantic City Board of Education

The Atlantic City Board of Education is a key client of the Alaimo Group. We have partnered with the district on numerous HVAC infrastructure projects, including boiler and air handling unit replacements, chiller upgrades, and renovation of existing mechanical systems. All projects are designed and executed in strict compliance with current building codes and energy standards, including ASHRAE 90.1, the International Mechanical Code (IMC), and the International Energy Conservation Code (IECC). In consideration of the region's coastal climate, all new HVAC equipment has been specifically selected and designed to withstand the high humidity and corrosive conditions prevalent in Atlantic City. Below is a summary of a few projects:

Texas Ave School - Steam Boilers Replacement Project.

Construction Cost: \$1.4 million – Construction done in 2024

The project involved the replacement of two existing steam boilers with three new Firetube steam boilers to improve operational efficiency and reduce energy consumption. Concrete boiler pads were extended, and the existing condensate tank, pump, and associated piping were replaced. All steam and gas piping were revised to suit the new configuration, and steam piping was re-insulated. The flue venting system was redesigned to comply with IMC, IECC, and ASHRAE codes using stainless steel venting routed vertically above the roof. Combustion air intake was reengineered with ducted supply and resized louvers. Existing boiler controls were replaced.

Brighton Ave School – HVAC Replacement Project

Construction Cost: \$3 million – Not into construction yet.

The project involved removal of the existing steam boiler system, including steam piping and convectors, and replacement with a modern HVAC system comprising of VRF System and Dedicated Outdoor Air System (DOAS) units. Three rooftop DOAS units—one per floor—supply neutral temperature ventilation to all zones. VRF system consisting of Indoor fan coil units and rooftop condensing units provide both heating and cooling, with selector boxes enabling simultaneous heating and cooling across different zones. Structural reinforcements were incorporated to support the new HVAC system. HVAC controls and associated components were installed to ensure efficient system operation. Exhaust fans in restrooms were replaced.

Dr. Martin Luther King Jr. School – Hot Water Boiler & HVAC Replacement Project

Construction Cost: \$5 million – Under Construction.

The project involved replacement of four existing multizone VAV rooftop HVAC units and two constant volume rooftop units with new high-efficiency units of equivalent capacity. Eleven self-contained vertical unit ventilators serving classrooms were also replaced. Two gas-fired hot water boilers were removed and replaced with new water tube boilers, along with associated pumps, piping, expansion tank, and accessories. The flue vent and combustion air intake systems were redesigned for improved performance and full code compliance, and to accommodate a new partition wall separating the boiler room from the pool treatment equipment area. All new HVAC units' controls were integrated into existing BMS system.

New York Ave School – HVAC Replacement Project

Construction Cost: \$4.90 million – Under Construction.

The project involved comprehensive HVAC system upgrades, including replacement of six gas-fired, DX-cooled constant volume rooftop units and two gas-fired, DX-cooled single-zone VAV rooftop units, along with associated curbs and adapter curbs. Forty-two vertical classroom unit ventilators and ten packaged terminal heat pump units were also replaced. Structural modifications were provided as needed to support the new rooftop equipment. The building management system (BMS) was upgraded, integrating all new and existing HVAC equipment into a centralized controller for improved monitoring and control.

Bordentown City

Renovation of the existing Senior Citizen Center and 4,000 square foot building expansion

Construction Cost: \$450,000.00

Project included the design of a new air conditioning system and modifications to the heating and ventilation for the existing part of the building, and complete design of new HVAC and plumbing systems for 4,000 square feet, along with an addition that included a commercial kitchen and bathroom facilities. Work scope included design, preparation of contract specifications, bidding process, and construction supervision.

Bloomington Borough

Municipal Building Renovation

Construction Cost: \$1.2 million

Project included the design of a new central air conditioning system and renovation of the existing heating systems. Work scope included design preparation of contract specifications and construction management services.

Deerwood Country Club

Mechanical Engineering for design and construction of 12,000 square foot clubhouse building

Construction Cost: \$3.0 million

The facility includes a 200 seat banquet facility, 100 seat dining room, 90 seat grille room, two commercial kitchens, pro shop, office space and locker rooms. Work scope included design of HVAC, plumbing and fire protection systems, preparation of contract specifications and construction management services.

Mercer County Improvement Authority

Mechanical Engineer for design and construction of 8,000 square foot clubhouse building.

Construction Cost: \$1.5 million

The facility includes a 220 seat dining room, 70 seat bar, commercial kitchen, and locker rooms. Work scope included design of HVAC, plumbing and fire protection systems, preparation of contract specifications, and construction management services.

Mount Laurel Township

Mechanical Engineer for design and construction of 12,000 square foot Municipal Complex Meeting Center

Construction Cost: \$ 3.1 million

The facility includes meeting rooms, offices, game rooms, and a commercial kitchen. Work scope included design of HVAC, plumbing and fire protection systems, preparation of contract specifications and construction management services.

Florence Township

Mechanical Engineer for design and construction of the Florence Township Sewage Treatment Plant

Construction Cost: \$ 11.2 million

The facility includes 5 separate buildings to house process equipment, a 4,000 square foot administration building to house offices, plant control room and laboratory, and 6,000 square foot garage and maintenance building. Work scope included design of HVAC, plumbing and fire protection and air pollution control systems for all the above facilities including preparation of contract specifications and construction management services.

Mount Laurel Municipal Utilities Authority

Mechanical Engineer for design and construction of Elbo Lane Water Treatment Plant

Construction Cost: \$ 21.4 million

The facility includes a 12,000 square foot building to house process treatment and pumping equipment and a 4,000 square foot administration building to house offices, and a plant control room and laboratory. Work scope included design of HVAC, plumbing, and fire protection systems for all the above facilities including preparation of contract specifications and construction management services.



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

Permitting Services

Throughout its history, Richard A. Alaimo Associates (Alaimo Group) has provided permitting services for a wide variety of projects designed and constructed for our governmental clients. The firm has extensive experience in dealing with County, State and Federal Agencies, along with interstate agencies having regulatory powers, such as the Delaware River Basin Commission (DRBC) and the Delaware-Raritan Canal Commission (DRCC).

Agencies and Departments we routinely work with are:

- New Jersey Department of Environmental Protection (NJDEP)
- Air Quality, Energy & Sustainability
- Compliance & Enforcement
- Natural & Historic Resources
- Site Remediation & Waste Management
- Water Resource Management
- Watershed & Land Management
- New Jersey Department of Transportation (NJDOT)
- New Jersey Highlands Council
- New Jersey Pinelands Commission
- New Jersey Sports & Exposition Authority
- US Army Corps of Engineers (ACOE)
- US Coast Guard (USCG)
- US Environmental Protection Agency (USEPA)
- US Department of the Interior/Fish and Wildlife Service (USFWS)
- Delaware River Basin Commission (DRBC)
- Delaware-Raritan Canal Commission (DRCC)

Our staff includes Environmental Planners whose primary duties are coordination with regulatory agencies for the planning, design, permitting, and review of major projects.

Virtually every project Alaimo designs for our clients requires the preparation of permits from regulatory agencies at the County, State and/or Federal level. In some cases, the complexity of the permit requirements requires levels of manpower effort equal to or exceeding the design services. Through our fifty-eight years of service as consulting engineers to our clients, we have designed projects estimated at an aggregate construction value well in excess of \$10 billion and have worked with the regulatory agencies on virtually every one of the several thousand projects we have completed successfully.



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

Surveying Services

Richard A. Alaimo Associates (Alaimo Group) survey department has the capability of providing land surveys in accordance with New Jersey Laws and Administrative Code; compliance with standards and methods of the U.S. Department of Commerce; and the use of the New Jersey Plane Coordinate System. Surveying services are an integral part of nearly every project we plan, design or manage through the construction phase.

Our survey department utilizes state of the art equipment and technology to perform all survey tasks required. Global Positioning System (GPS), Robotics and electronic data collection are used as part of our standard survey practices and provide Alaimo Group with the capabilities to achieve 2nd order, class 1 accuracy work.

Our services to Federal, State, County and Municipal clients have included outbound and topographic surveys of land tracts up to 900 acres; right-of-way surveys and monumentation; cross sections; utility locations and as-builts; construction layout; deed and easement descriptions, and parcel acquisition plans.

In conjunction with the Tax Assessor, we also provide services necessary to review property changes and transfers, determine their conformance with the tax map; and provide any necessary alterations of the tax map and maintain, on a current basis, tax maps and the associated tax map records.

REPRESENTATIVE PROJECTS:

Medford Lakes Dams, Borough of Medford Lakes

Alaimo Group provided GPS horizontal and vertical control, and a topographic survey for the reconstruction of Upper and Lower Aetna Lakes Dams and a design for the reconstruction and new alignment for the Aetna Way roadway.

Green Acres Program, Various Townships

Alaimo Group prepared boundary surveys for the Green Acres Preservation Programs for numerous municipalities including Evesham Township, Mount Laurel Township, Hainesport Township, Washington Township, Cherry Hill Township and Burlington Township.

Hainesport Township Sanitary Sewer System

Alaimo Group provided a complete field survey, property acquisition, planning, design and inspections, to provide sanitary sewer to Hainesport Township.

Westampton Township, Deerwood Country Club Estates Westampton Property Associates

Alaimo Group prepared the boundary and topographic surveys and completed the planning, site related design, and subdivision approval and permit processing for the residential and commercial development at Deerwood Country Club Estates. This 500+ acres land parcel is located adjacent to County Route 541 in Westampton Township. The residential component includes 243 Single Family Homes and 211 Luxury Townhouses. The commercial component included 50,000 square feet of future neighborhood commercial development, 40,000 square feet of office space, an 18-hole golf course, and related club facilities.

Mill Dam Park, Mount Holly Township

Alaimo Group prepared boundary and topographic survey for improvements made to Mill Dam Park, a 50 acre multi-use recreational facility. Funds for this project were provided by the use of a low interest Green Acres loan, Community Block Development Block Grant and Neighborhood Preservation/Urban Enterprise Zone, and local bond funds.

Assiscunk Creek Park, Burlington Township

Alaimo Group developed the master plan and prepared survey and design plans for this 235 acre park. The funding for this comprehensive recreational facility was provided in part by the New Jersey Green Acres Program.

Municipal Complex and Green Acres, Burlington Township

Alaimo Group provided the services for the boundary and topographic survey for the Burlington Township Municipal Complex and Adjoining Green Acres Properties involving 150 acres.

Laurel Acres Park, Mount Laurel Township

Overall design and site plan improvements were made by Alaimo Group for the Laurel Acres Park a 65 acre multi use recreational facility. Work included site survey, design plans and specifications, and coordination with the Township Recreation Advisory Committee. Additional site improvements were made to other township owned facilities which required site and topographic survey.

Burlington County Solid Waste Facilities Complex

For well over thirty (30) years, Alaimo Group engineers provided ongoing planning, design and surveying services for the development, upgrade and expansion of the 600 acre landfill site. Our surveyors provided boundary and topographic information as needed throughout the duration of the project.

Burlington-Mount Holly Road (CR541)

Alaimo Group prepared the preliminary and final design for the improvement of this 3.8 mile roadway from the Mount Holly By-Pass in Mount Holly Township to I-295 in Burlington Township. Route 541 is the most heavily traveled cross-county highway in the central portion of Burlington County. Survey work for the planning and design for this major roadway improvement included topographic and right-of-way to establish base lines. The project included road widening, channelization, jug handles, as well as relocation and signalization of intersections.

Rancocas-Mount Holly Road

Alaimo Group prepared a detailed study of Rancocas-Mount Holly Road, a 2.8 mile roadway in Burlington County. Our surveyors completed an aerial layout including control points and also surveyed the existing right-of-way to establish base lines, boundaries and existing private, public, recreational and wetland areas.

Salem County Improvement Authority Landfill

Alaimo Group Survey services were provided for the expansion and improvement of the 250 acre facilities to meet current environmental standards.

Bromley Development

Alaimo Group provided survey services to include aerial survey control points and boundary and topographic surveys for the multi-site 500 acre development in Burlington, New Jersey.



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

Survey Project Experience

Client: County of Burlington

Project: Burlington County Landfill, Resource Recovery Complex, 600-acre site located in Florence and Mansfield Townships, Burlington County, NJ.

Date: March 2025

The Burlington County Commissioners have retained the Alaimo Group to provide comprehensive surveying, permitting, and engineering design services for the Burlington County Landfill Resource Recovery Complex. As part of this ongoing contract, the Alaimo Group is responsible each May for preparing the annual landfill capacity report. This report documents the tonnage of solid waste deposited at the facility over the previous year and covers the 150-acre area encompassing Landfills No. 1 and No. 2.

To support the report, the Alaimo Group conducts detailed geospatial work during the months of February and March. This includes establishing or verifying existing ground control targets in preparation for an aerial survey. The resulting imagery is used to produce an updated topographic plan and a digital terrain model (DTM), which is then compared against data from previous years to assess changes in landfill volume.

Following the aerial survey, the Alaimo Group performs a rigorous field review to ensure the accuracy of the topographic data. In regions where dense vegetation limits aerial visibility, the team conducts manual field mapping to capture reliable elevation and terrain information.

This year, the scope of topographic surveying was expanded to include the proposed site of Landfill No. 3. The data gathered in this area will play a critical role in future design, engineering, and permitting phases of the new landfill expansion.

In addition to annual reporting and aerial mapping, the Alaimo Group's Survey Department provides ongoing support for active construction projects at the complex. This includes preparing as-built surveys and collecting field data necessary to fulfill permitting requirements set forth by the New Jersey Department of Environmental Protection (NJDEP).

Contact(s): Mr. Jerome Sheehan, Director of Solid Waste Department
County of Burlington
Resource Recovery Complex
22000 Burlington-Columbus Road
Mansfield, NJ 08022
Phone (609) 499-1001
Email: jsheehan@co.burlington.nj.us

Client: County of Bergen

Project: Emergency Replacement of Minor Bridge No. 02C5816 on West Saddle River Road over Tributary of Saddle River, Saddle River, Bergen County, NJ.

Date: October 2022

Bergen County contracted the Alaimo Group to perform survey, permitting, and design engineering services for the replacement of the existing corrugated metal pipe culvert carrying West Saddle River Road over a tributary of Saddle River. Emergency permits were successfully acquired from NJDEP following a major washout of the structure. The project involved milling and paving, full depth pavement reconstruction, pavement striping, guide rail installation, and widening of the bridge roadway structure. The new reinforced concrete pipe culvert and reinforced concrete headwalls on reinforced concrete footings were successfully installed. The project also involved coordination with utility owners. Engineering services also included project management, client coordination, environmental permit applications, design plans, specifications, contract documents, and shop drawing review.

Project: Emergency Replacement of Minor Bridge No. 02C6808 on Saddle River Road over Tributary of Musquapsink Brook, Borough of Woodcliff Lake, Bergen County, NJ

Date: July 2022

Narrative: Bergen County contracted Alaimo Group to perform survey, permitting, and design engineering services for the replacement of the existing corrugated metal pipe culvert carrying Saddle River Road over a tributary of Musquapsink Brook in Woodcliff Lake, NJ. Emergency permits were successfully acquired from NJDEP following a major washout of the structure. The project also involved coordination with utility owners. Alaimo Group services also included project management, client coordination, environmental permit applications, design plans, specifications, contract documents, and shop drawing review.

Contact: Joseph A. Femia, P.E. County Engineer
County of Bergen
One Bergen County Plaza
Hackensack, NJ 07601
Phone: (201) 336-6808
Email: jfemia@co.bergen.nj.us

Client: Township of Cinnaminson

Project: Replacement of Wayne Drive Culvert

Date: February 2022

Narrative: On behalf of Cinnaminson Township, Alaimo Group partnered with Contech Engineered Solutions to replace the functionally obsolete timber structure carrying Wayne Drive over Pompeston Creek. The new structure was designed and installed as pre-cast concrete arch segments, headwalls, and retaining walls on pre-cast concrete footings. Alaimo Group services for this project included topographic surveying, structural and roadway design, hydraulic analyses, environmental permit applications, construction management, public outreach, processing payment requests, and conducting contract closeout procedures.

Contact: Eric Schubiger, Administrator
Cinnaminson Township
1621 Riverton Road
Cinnaminson, NJ 08077
Phone: (856) 829-6000
Email: eschubiger@cinnaminsonnj.org

Client: County of Passaic

Project: Morris Canal Greenway Pompton Feeder Phase IV

Date: 9/2019

Narrative: Perform survey and preliminary design for a proposed pedestrian walkway along approximately seven (7) miles of property belonging to North Jersey District Water Supply Commission of the State of New Jersey, and through the right-of-way and properties of several townships. The existing NJDWSC ROW survey is being supplemented with detailed topography and right-of-way survey data in areas where special design considerations will require cross and access easements for ADA ramps and/or walkways. Alaimo Group supplied required legal descriptions for said project easements and agreements.

Contact: Jonathan Pera, P.E. County Engineer
County of Passaic
Administration Building
Office of the County Engineer
401 Grand Street, Room 524
Paterson, NJ 07505
Phone: (973) 881-4456
Email: jonathanp@passaiccountynj.org



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

Construction Management/Inspection

Over the past fifty-eight years Richard A. Alaimo Associates (Alaimo Group) has provided construction-phase services to more than eighty clients representing governmental bodies at the municipal, county, state and federal levels. These services were performed in conjunction with our design projects, and as independent consultants during the building phase of a project designed by others.

The key element in providing these services for governmental agencies, our sole source of business, is the need of these agencies to control costs of construction, stay within budget, meet the time constraints and accomplish these goals/requirements without sacrificing the quality of workmanship or the conformance of the finished project to the construction documents.

It is the function of the professional services firm providing these services to be the eyes and ears of the client on the job site. Frequent, informal communication between the client's representative and the resident engineer and his field services representatives is essential to the thorough understanding of the client's wants, needs, objectives and their capacity to fund and construct the project. This informal communication must, of necessity, be reflected in the discussion-making process by the client, which provides the guidance to the resident engineer and the corresponding field representatives.

The personnel of Alaimo Group offer experience, technical qualifications and time with the firm, which reflects our stability and continuity of personnel. The firm presently has some 110 employees and many of our personnel have been with us for well over twenty-five years, and a significant number for more than ten years. This solidity of personnel contributes to our team approach to construction services, and ultimately, benefits the client.

Since the firm began, Alaimo Group has designed and provided construction-phase services for thousands of projects having an aggregate, in-place value estimated at well over \$12 billion dollars. These projects range from a few thousand dollars to tens of millions in construction value, and we recognize that our performance on every one of them influences our selection for the next one. Our construction-phase services are provided by people with knowledge of the realities of construction in the field. Their experience helps us to identify potential problems early in the construction process, and the corresponding alternatives available for the client. The key to the "eyes and ears" approach is bringing control of the project to the client.

In those situations, in which two or more independent contractors are working on-site, the need for effective construction management is critical, especially if their work areas overlap in time or space. The construction manager must work closely with the contractors, provide the professional analysis of their project schedules, assess the areas of impacts and interference, and resolve those areas of controversy before the job is adversely affected. Again, the knowledge and experience of the construction manager of the methods and procedures of construction; the time and materials needed to accomplish key phases of construction, and the time required to obtain supplies, materials and equipment all contribute to the smooth, effective management of the project.

By using our services as the construction manager, the client gains the ability to have multiple projects underway simultaneously. Alaimo personnel work as the client's representatives to develop and implement the project strategy, and to deliver the finished job on time, and on budget. We are on the job to advise the client and the design engineer of the implications of construction techniques and technology.

During the time of construction, Alaimo's field services representatives provide daily site reports which describe the weather, site conditions, personnel and equipment working, work accomplished, visitors and, importantly, observed problems or potential problems. Frequently, our field services personnel can resolve issues by applying their experience and insight at the time the matter arises, thereby reducing the need for claims, change orders or delays.

Every two weeks, the resident engineer will prepare a summary of the past two week's activities and identify the trends and major issues related to the project. Monthly, the resident engineer will report on the progress of construction, summarize the costs incurred; advise the client of the status of any claims, changes or delays on the job, compare the contractor's actual progress to their forecasted progress, identify corrective measures to be accomplished by the contractor to regain their schedule, and to identify key issues for the client.

Effective schedule control is a primary matter for the resident engineer. He must critically evaluate the contractor's CPM and bar-chart submissions, which provide the universally accepted depictions of the construction process. The resident engineer constantly monitors, updates and enforces the schedules developed by the contractor, interpreted by the resident engineer, and agreed to by the client. As in all aspects of construction management, the scheduling of the job is integrally tied to effective communication of the client's objectives by the resident engineer to the construction contractor.

The resident engineer is also responsible for the receipt and processing of all submittals by the construction contractor. The prompt processing of submittals and feedback to the contractor of the acceptance or rejection of his submittals is of paramount importance in keeping the contractor on schedule and the client free of claims for delays. Submittals for long-lead time items should be required early on, to ensure delivery to the project site without disrupting the construction schedule. The resident engineer must also ensure that submittals include all necessary purchase orders, quotes, drawings, manufacturing, and shipping schedules which may cause impact to the job.

Budgeting is a significant concern for all public sector clients. It is a service to the client to identify "low-ball" budget items, and to make the forecasted numbers as accurate as possible, even before the onset of construction. The resident engineer must be alert to the seemingly low-dollar add-ons and variations from the construction documents which can, in the aggregate, add substantially to the client's cost. Consistency and attention to detail in the cost-accounting process is essential to effective cost control.

The final aspect of Alaimo's construction-management services is what is commonly called "Value Engineering". Regardless of the term used, it is a systematic, practical, pragmatic approach to the project, and a real-world evaluation of the scheme of the design and the materials and techniques to be employed in the construction of the project. To be effective, Value Engineering must rely on the adequacy of the technical design, the competence of the people reviewing the design for critical cost items, and the field-gained knowledge of the resident engineer and their field services personnel to save time and money on the job. This is an ongoing process and is essential to our field services operations.

In summary, construction management and resident field services are not a new concept. The long-term success and growth of Alaimo Group has largely been due to our capability to design and manage the construction of a wide range of public works projects: highways; roads; bridges; water and wastewater plants; underground utilities; drainage systems; buildings for public use; and recreational, environmental, and special use facilities. Alaimo Group is proud of its accomplishments since its founding in 1967, and we look forward to the continued opportunity to serve our clients with our construction-phase services.

**Individual Qualifications/
Client List/References/Awards**



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

Key Personnel Resumes:

Professional Engineers



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

RICHARD A. ALAIMO, PE, PP, PLS, BCEE, CEM **President**

PROFESSIONAL

Experience:

Dick Alaimo has over fifty-eight (58) years of experience in all phases of civil and environmental engineering. He is the founder and President of the Alaimo Group and its associated firms which employ over 110 engineers, planners, architects and construction managers. His unusually diverse background was acquired in the course of serving over seventy (70) municipalities and public agencies as consulting engineer. Under Mr. Alaimo's supervision, the staff has completed numerous projects for Federal, State and County agencies in addition to our design and reconstruction projects for the various municipalities and authorities. The firm, established fifty-eight (58) years ago, has designed facilities with a constructed value in excess of \$10 billion.

Registration:

Licensed Professional Engineer - State of New Jersey
Registered Professional Engineer - Commonwealth of Pennsylvania
Registered Professional Engineer - State of Delaware
Licensed Professional Planner - State of New Jersey
Professional Land Surveyor - Commonwealth of Pennsylvania
Underground Storage Tank - License and Certification - State of New Jersey
Certified Public Works Manager - State of New Jersey
Certified Energy Manager - State of New Jersey
Certified Green Building Engineer (GBE)
Certified Structural Engineer (SECB)
Board Certified Environmental Engineer

Memberships:

American Society of Civil Engineers
American Academy of Environmental Engineers
American Water Works Association
American Railway Engineering and Maintenance-of-Way Association (AREMA)
Association of Environmental Authorities
Consulting Engineers Council of New Jersey
Diplomate, American Academy of Environmental Engineers
National Society of Professional Engineers
New Jersey Federation of Planning Officials
New Jersey Society of Municipal Engineers
New Jersey Society of Professional Engineers
New Jersey Water Environment Association
Rutgers University Engineering Society
Society of American Military Engineers

EDUCATION

Rutgers University, Bachelor of Science, Civil Engineering
Continuing Education Programs – Water, Sewerage and Solid Waste

CIVIC

Mount Holly State Bank (Former Chairman and President of the Board)
South Jersey Port Corporation (Director and Chairman since 1970)
Burlington County United Fund (Past President)
Mount Holly Rotary Club (Past President)
Westwood Swim Club (Past President)
Rancocas Valley Regional High School Board of Education (Former Member and
Past President - 40 years)
Rutgers University Foundation Board of Overseers
Mount Holly Elks (Member)
Burlington County Country Club (Member)
Deerwood Country Club (President, Owner)

AWARDS

"Outstanding Young Man," Greater Mount Holly Area, 1962
"Outstanding Young Men in America," 1965
"Outstanding Citizen," Greater Mount Holly Area, 1970
"Longsdorf Good Citizenship Award," Mount Holly, 1988
"Distinguished Citizen Award," Boy Scouts of America, Burlington County Council, 1989
"Distinguished Engineer of the Year Award," American Society of Civil
Engineers, South Jersey Branch, 1994
"Co-Volunteer of the Year Award," Burlington County, 2003
"Voice of Business Awards," Burlington County Chamber of Commerce, 2005
"Walter Rand South Jersey Award," New Jersey Alliance for Action, 2015

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RICHARD A. ALAIMO
200 High Street
Mount Holly NJ 08060-1404

FOR PRACTICE IN NEW JERSEY AS A(N): **Professional Engineer**

02/21/2024 TO 04/30/2026
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200 HIGH ST
MT HOLLY NJ 08060-1404

FOR PRACTICE IN NEW JERSEY AS A(N): **Professional Planner**

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ACTING DIRECTOR



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

WAYNE D. SIMPSON, PE, BCEE **Senior Associate**

PROFESSIONAL

Experience:

Wayne Simpson has over forty-five (45) years of experience in the design and project development of major water and wastewater projects. His experience includes the design and project development of several wastewater treatment plants, wastewater collection systems (including rehabilitation projects), wastewater discharges to surface water and groundwater; reclaimed water for beneficial reuse systems, industrial and commercial wastewater discharge management, and environmental permitting for potable water and sanitary sewage systems.

He is experienced in applications of water chemistry and biology to these projects and has designed numerous facilities with tertiary and advanced effluent treatment. His experience also includes design of water treatment and distribution system facilities. He has modeled water distribution systems, wastewater treatment processes and groundwater supply characteristics. He has also prepared water supply and wastewater management master plans.

He represents the firm for four major clients: Evesham MUA, Cinnaminson Sewerage Authority, the South Brunswick Township Water and Sewer Department and the Old Bridge MUA. In this capacity, he advises on the operations of the plants and infrastructure of these municipalities and prepares the plans and specifications for their repair, replacement, or new construction.

Registrations:

Professional Engineer – State of New Jersey
Registered Professional Engineer - Commonwealth of Pennsylvania
Board Certified Environmental Engineer

Memberships:

Water Environment Federation
American Academy of Environmental Engineers
American Water Works Association

EDUCATION

Cornell University – Bachelor of Science in Civil Engineering, 1977
Cornell University – Master of Engineering (Sanitary), 1978
Continuing Education – Programs in Groundwater Protection, Toxicity Reduction and Nutrient Removal Processes and BioWin Wastewater Process Modeling

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WAYNE D. SIMPSON
Alaimo Group
200 High St
Mount Holly NJ 08060

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Professional Engineer
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Wayne D. Simpson
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*Richard A. Alaimo Associates
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WILLIAM R. LONG, PE

Senior Associate

PROFESSIONAL

Experience:

Mr. Long joined Alaimo Group in 1996 and has over forty years of civil engineering experience with particular emphasis in the design of municipal engineering projects. The municipal engineering projects include site plans, major and minor subdivisions, miscellaneous drainage and road improvement projects. He also has experience in water supply systems, structural design, land development design and construction management.

Mr. Long serves as our Lead Engineer for Mount Laurel MUA. He has been our Lead Engineer in Mount Laurel Township, as well as their Planning and Zoning Boards for the past twenty-five. Mr. Long was the Lead Engineer to Moorestown Township and their Zoning Board. He has also served as Lead Engineer to Mount Holly Township and their Planning and Zoning Board and Riverton Borough. Additionally, Mr. Long is the Joint Land Use Board Engineer in Bordentown City and has represented the firm at Voorhees Township Zoning Board, Deptford Township and Cinnaminson Township Planning Board.

His responsibilities include attending meetings, contract administration, project management, design recommendations, plan review and report preparation.

Mr. Long has participated in site plan design for Mount Laurel Township and various drainage design projects within Mount Laurel Township, Mount Holly Township and Hainesport Township, and road improvement projects in Mount Laurel, Moorestown, Riverton and in Mount Holly.

Mr. Long has experience in the design and construction of public works facilities, township plan reviews including subdivisions and site plans, stormwater management designs, land development design, and contract and bid specification preparation.

Registration:

Licensed Professional Engineer - State of New Jersey
Licensed Professional Engineer - Commonwealth of Pennsylvania

Memberships:

American Society of Civil Engineers
New Jersey Society of Professional Engineers

EDUCATION

Drexel University, Masters of Science Civil Engineering, 1988
Drexel University, Bachelor of Science Civil Engineering, 1982

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WILLIAM R. LONG
214 KNOTTY OAK DR
MT LAUREL NJ 08054-2121

FOR PRACTICE IN NEW JERSEY AS A(N): Professional Engineer

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*Richard A. Alaimo Associates
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RICHARD E. DREWES, PE, CME **Associate**

PROFESSIONAL

Experience:

Mr. Drewes has more than forty (40) years of professional experience in all phases of Municipal and Utility Authority Engineering. As a director of operations and principal in charge of one of the largest engineering consulting firms in the State he had direct responsibility for the day to day management of over 100 professional staff. As a proven industry leader he and his teams have represented numerous municipalities, counties and authorities throughout NJ & PA. Numerous public works design and construction projects managed have included multi-disciplined water and sewer infrastructure upgrades sewer exceeding millions of dollars in construction costs.

Management:

Over the course of Mr. Drewes's 40 year professional career he has supervised and managed accounts and projects as well as providing design and construction management expertise to numerous clients throughout the Region. Authority Engineer, Engineer of Record and Project Specific Consulting Clients have included the City of Philadelphia Utilities Department, Bergen County Utilities Authority, Ocean County Utilities Authority, Passaic Valley Water Commission, North Bergen MUA, Marlboro Township MUA, Stafford MUA, Brick Township Utilities Authority, Joint Meeting of Essex and Union County, Township of Ocean Sewerage Authority, Camden County Municipal Utilities Authority, Lower Township Utilities Authority, City of Wildwood Sewer Utility, City of Millville, Borough Of Sayreville, Borough of Keyport and NJ Water Supply Authority. Projects have included regional 208 studies, station and plant upgrades and expansion, linear pipe upgrades and expansion as well as all phases of NJDEP permit procurement.

Registration:

Licensed Professional Engineer - State of New Jersey

Certified Municipal Engineer – State of New Jersey

Memberships:

American Society of Civil Engineers
American Water Works Associations
Association of Environmental Authorities
New Jersey League of Municipalities
New Jersey Society of Municipal Engineers
New Jersey Society of Professional Engineers
New Jersey Water Environment Association

EDUCATION

Newark College of Engineering (NJIT), Bachelor of Science, Civil Engineering, 1978

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RICHARD E. DREWES
2505 RAMSHORN DR
MANASQUAN NJ 08736-2133

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*Richard A. Alaimo Associates
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Consulting Engineers*

LIONEL M. GALIPOT, P.E. **Associate**

PROFESSIONAL

Experience:

Mr. Galipot joined Alaimo Group in February 2006 and has over twenty (28) years of diverse engineering and project management experience. As a Lead Engineer, Lionel is responsible for the design of wastewater treatment plants, water treatment plants, PFAs removal systems, grit and screening removal system, pump stations, sanitary sewers, force mains, site plans, process and instrumentation diagrams, storm sewers, above ground fueling stations, fire sprinkler systems, chemical feed systems, microturbine systems, odor control systems, HVAC, design calculations, air permits, TWA permits, and equipment specifications. Additional responsibilities include coordination with Townships and MUAs; and attending board meetings, and coordination with NJDEP. Currently, Mr. Galipot represents the firm as Consulting Engineer to the Willingboro Municipal Utilities Authority and Florence Township.

Since joining Alaimo Group, Mr. Galipot has been involved as Lead Design Engineer for a number of multi-disciplined design and construction projects for water and wastewater clients. Notable projects include:

- Willingboro MUA- Well 5A PFAS Treatment System Upgrade
- Moorestown Township – North Church St WTP Upgrade
- Moorestown Township – Hartford Rd. WTP Upgrade
- Willingboro MUA – WPCP Grit and Screenings Headworks Upgrade
- Willingboro MUA – Well 6 WTP Upgrade
- Florence Township – Phase 2-Chemical Building WTP Upgrade
- Florence Township – STP Sludge Dewatering Screw Press Upgrade
- Florence Township – Hornberger Avenue Pump Station Upgrade
- Mount Holly MUA – Maple Avenue WTP Upgrade
- Woodbridge Township – Colonia Pumping Station Upgrade
- Woodbridge Township – Grit Chamber Rehabilitation

Previous responsibilities include review of major and minor site plans, review of major and minor subdivision plans, bond estimate preparation, and recommendations to the Township for bond reductions, releases, and final acceptance of projects. Prior to joining Alaimo Group, Mr. Galipot had several years of engineering experience designing wastewater pilot plants, pump stations, and drip irrigation systems. In addition, Mr. Galipot had several years of experience project managing/planning AT&T's local telecommunications network in over 40 markets.

Registration:

Professional Engineer – NJ Board of Professional Engineers and Land Surveyors

EDUCATION

Rutgers College of Engineering; B.S. Civil Engineering, 1993
DeVry Institute; Associate in Telecommunications Management, 2000

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**Lionel M. Galipot
Robbinsville NJ 08691**

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*Richard A. Alaimo Associates
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RICHARD A. ALAIMO, JR., PE, CME **Senior Associate**

PROFESSIONAL

Experience:

Mr. Alaimo has over forty (40) years of civil engineering experience with particular emphasis in municipal engineering, land development design, and water and sewer engineering. Mr. Alaimo currently represents the firm as Township Engineer and Land Use Board Engineer for Mount Holly Township and East Greenwich Township. In addition, Mr. Alaimo also serves as the Township Engineer in Westampton Township. Mr. Alaimo also serves as the Planning Board Engineer to the South Brunswick Township Planning Board as well as Special Projects Engineer for South Brunswick Township. His responsibilities include attending meetings, contract administration, project management, design recommendations, plan review, and report preparation.

Mr. Alaimo's municipal engineering experience includes participation in the design of township road and drainage projects, preparation of NJDOT and Community Development grant applications, and coordination of construction management and inspection services. Mr. Alaimo has performed technical reviews of applications for use variances, bulk variances, major and minor subdivisions, and major and minor site plans and has prepared bond estimates as well as bond reduction and bond release recommendations. Mr. Alaimo is familiar with the Municipal Land Use Law and the New Jersey Residential Site Improvement Standards and has a firm understanding of the stormwater management regulations adopted by the New Jersey Department of Environmental Protection.

Mr. Alaimo has participated in the design of wastewater treatment plant expansions, sanitary sewerage pumping stations, sanitary sewer main extensions, and water main extensions. His responsibilities have included site work design; sizing, selection, and general arrangement of equipment; and design of treatment plant hydraulic profiles. Mr. Alaimo has extensive experience in the computer modeling of water distribution networks.

Registration:

Registered Professional Engineer – State of New Jersey

Registered Professional Engineer – State of Delaware

Registered Professional Engineer – Commonwealth of Pennsylvania

Certified Municipal Engineer – New Jersey Society of Municipal Engineers

EDUCATION

Lafayette College, Bachelor of Science, Civil Engineering, 1983

Rutgers University, Master of Science, Civil Engineering, 2000

Rutgers University, Continuing Education Department

- Groundwater Resource Management, November 1983
- Understanding Soil Conditions of Wetlands, May 1987
- Stormwater Management for Engineers, October 1987
- Micro-Computer-Aided Erosion Control, Hydraulics, and Hydrology, March 1988
- Fundamentals of GIS, October 2000
- Desktop Mapping with Arcview, December 2000

Harvard University, Graduate School of Design

- "Golf Course Architecture" and "Condominium Development", June 1987
- Residential Development Site Planning, August 1987

New Jersey Society of Municipal Engineers

- Certified Municipal Engineer Program, September 2007 – June 2008

Ongoing Continuing Education Courses for P.E. License Renewal

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Richard A. Alaimo Jr
107 E Country Club Dr
Westampton NJ 08060

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Richard A. Alaimo Jr
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Newark, NJ 07103

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Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers

DAVID J. SKIBICKI, PE Associate

PROFESSIONAL

Experience:

Mr. Skibicki has over thirty-five years of project and process mechanical experience with particular emphasis in the design and engineering of interceptor systems, wastewater treatment plants and collection treatment facilities, pumping stations, odor control facilities, mechanical piping systems, and construction management.

Woodbridge Township: Mr. Skibicki has served as Lead Project Manager and Mechanical Process Engineer for the completion of the design documents for various wastewater and odor control projects including:

- **Port Reading Interceptor Replacement and Odor and Corrosion Control:** Replacement (open-cut and slip-lining) of 3,600 feet of 36 inch Reinforced Concrete Pipe (RCP) subject to severe hydrogen sulfide corrosion with 36 Inch FRP (HOBAS) pipe and addition of biotrickling biofilter to extract odors from interceptor; Lead Technical Contact between the Township, The Borough of Carteret and the NJTA; Total Project Cost \$9,543,000 including construction and engineering;
- **Grit Chamber Upgrade:** Upgrades to Grit Chamber at Woodbridge Avenue Pumping Station to optimize grit removal efficiency consisting of new equipment: grit screw conveyors, submersible grit pumps, grit classifiers, slide gate valves, aeration system, hydraulic tee screens including conveyor and wash press for screenings, traveling hoist and monorail system, and slip-lining of 42 inch RCP inlet and outlet lines with FRP pipe; project included new building for classifiers, hydraulic actuators, and control room; Project Cost \$10,115,000.00 including construction and engineering;
- **Various Pump Station Upgrades:** (Oakwood, Carriage House, Judy Drive, Keasbey Complex, Englehard, Brookside, and Mileed Way: Demolition of existing Smith and Loveless Dry-Can Pump Stations and replacement with submersible pump station include new submersible pumps, comminutor, valve vault, flow metering, and natural gas fired emergency generator.

Mount Holly Municipal Utilities Authority (MHMUA): Mr. Skibicki has served as Lead Project Manager and Mechanical Process Engineer for the completion of the design documents for various wastewater projects including:

- **Hollybrook Pumping Station Upgrade:** Demolition of existing pump station and replacement with submersible pump station including new submersible pumps, comminutor, valve vault, and electrical panels all installed on an elevated platform above the Flood Hazard Elevation;
- **Garden Street Pumping Station Upgrade:** Demolition of existing Dry-Can Pump Station and replacement with submersible pump station including new submersible pumps, comminutor, and new building (housing valving and emergency generator);
- **Sludge Thickening Tank Conversion:** Conversion of spent carbon thickening tank to store thickened sludge, new submersible mixer, demolition of existing thickened sludge storage and oxidized sludge storage tanks and yard piping modifications.

Mr. Skibicki was the Lead Project Manager for a series of industrial wastewater modification projects for a major pharmaceutical wastewater treatment facility. He also served as the Project Manager/Project Engineer involved in the preparation of design drawings and specifications, construction oversight, and start-up for a wastewater treatment plant upgrade and various air emissions control projects for a fiber-optic cable manufacturing facility.

Registration:

Licensed Professional Engineer - State of Delaware

Memberships:

Water Environment Federation

EDUCATION

University of Delaware, Bachelor of Mechanical Engineering, 1982

Delaware Technical and Community College, Wastewater Operator Certification, 1992



DELAWARE ASSOCIATION OF PROFESSIONAL ENGINEERS

92 Read's Way, Suite 208
New Castle, DE 19720
Phone: 302-323-4588
Email: office@dape.org

▶ Professional Engineer

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Person Information

Name: DAVID J. SKIBICKI
Discipline: MECHANICAL

Address Information

Address (City, State, Zipcode): WILMINGTON, DE, 19803

License Information

License Number: 8053
License Status: Active
License Expires: 06/30/2026



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

MARINNA L. SEEMULLER, PE **Senior Project Engineer**

PROFESSIONAL

Experience:

Marinna Seemuller is a Professional Engineer and Project Manager with over fifteen (15) years of experience in environmental engineering, permitting and land use. Mrs. Seemuller has extensive knowledge of NJDEP, USACE and EPA guidelines and has been the permit lead for projects that have included NJDEP Waterfront Permits, Freshwater Wetlands Permits, Tidelands Licenses and Flood Hazard Area Permits. Additionally, she has coordinated and written permits involving the U.S. Army Corps of Engineers. Mrs. Seemuller possesses an extensive background in task management, cost estimating, receptors evaluations, remedial investigation workplans and remedial action reports. Mrs. Seemuller has advanced technological skills utilizing Hydrological Simulation Program-Fortran (HSPF) Model, MS Excel, MS Access, MS Project, VBA, and ArcGIS to analyze data.

Specific project experience highlights have included:

Remedial Investigation and Project Management and field activities for a sewer pipeline in Bayonne, New Jersey. The first site consisted of 5,650 LF of sewer pipeline placed in chromium ore process residue backfill covering ~5.6 acres of impacted area, the second site was within a nature park involving ~2 acres also impacted by similar backfill. The scope included soil borings, monitoring well installation, sample collection, groundwater monitoring, IRM evaluation, permitting and reporting.

Investigation and Project Management Services for a watermain corrosivity investigation in Bernards Township, New Jersey. The client wanted to investigate a possible alignment of 8,000 linear feet of replacement watermain along a roadway, for the possibility of corrosive soils that could potentially lead to watermain breaks. Schedule and budget were met.

Design Lead for various locations for multiple Light Non-Aqueous Phase Liquids (LNAPL) Skimmer Design System that involved two to three down-well skimmers that led to an above ground storage tank with alarms and notification systems.

Registrations:

Professional Engineer – State of Maryland

Certifications and Awards:

OSHA HAZWOPER 40 hr. and 8 hr. Refresher

Rising Star Award (Amec 2013)

CEO Award (MACTEC 2011)

EDUCATION

University of Delaware, Newark, DE

Master of Applied Sciences Degree: Civil Engineering, 2009

Concentration in Environmental Engineering, GPA: 3.63

Thesis: Investigating 55 years of Nitrogen Loading to Chesapeake Bay

FRANKLIN AND MARSHALL COLLEGE, Lancaster, PA

Bachelor of Arts Degree: Geosciences, 2005

04/09/2025

6,428,362

STATE BOARD FOR PROFESSIONAL ENGINEERS

23 05 41390 MARINNA L SEEMULLER

6282 04-08-2025

MESSAGE(S):

A LICENSEE SHALL COMPLETE A MINIMUM OF 16 PDH UNITS PER 2-YEAR RENEWAL.

A MINIMUM OF 1 PDH IN EACH BIENNIAL LICENSING TERM SHALL BE EARNED FROM PARTICIPATION IN CONTENT RELATED TO ONE OF THE FOLLOWING: ETHICS, CODE OF CONDUCT, STANDARDS OF PRACTICE OR REGULATIONS APPLICABLE TO THE PRACTICE OF ENGINEERING IN MARYLAND.

A MAXIMUM OF 8 PDH EARNED IN EXCESS OF 16 UNITS CAN BE APPLIED TO THE NEXT LICENSING TERM.

LICENSEES WHO ARE AUDITED SHALL PROVIDE WITHIN 30 DAYS OF RECEIPT OF NOTICE OF AUDIT, ALL DOCUMENTATION REQUESTED BY THE BOARD.



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STATE OF MARYLAND

MARYLAND DEPARTMENT OF LABOR

Wes Moore Governor
Aruna Miller Lt. Governor
Portia Wu Secretary

STATE BOARD FOR PROFESSIONAL ENGINEERS
CERTIFIES THAT:

MARINNA L SEEMULLER



IS AN AUTHORIZED: 05 - PROFESSIONAL ENGINEER

LIC/REG/CERT 41390

EXPIRATION 06-07-2027

EFFECTIVE N/A

CONTROL NO 6428362

Signature of Bearer (Marinna L Seemuller)

Signature of Secretary (Portia Wu)

Signature of Bearer

Secretary

WHERE REQUIRED BY LAW THIS MUST BE CONSPICUOUSLY DISPLAYED IN OFFICE TO WHICH IT APPLIES

23 05 41390

6,428,362

STATE BOARD FOR PROFESSIONAL ENGINEERS
100 S. CHARLES STREET
BALTIMORE, MD 21201

MARINNA L SEEMULLER
32 PERIWINKLE DR

MOUNT LAUREL TOWNSHIP NJ 08054

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*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

ALEXIS ROMEO, EIT **Project Manager**

PROFESSIONAL

Experience:

Ms. Romeo is a versatile Project Manager that possesses an exceptional skill set in environmental engineering processes. Her experience with the firm has included design for wastewater pumping stations, treatment plants, water mains, and interceptor systems. Ms. Romeo is currently the municipal engineer for Maple Shade Township for all roadway and stormwater work, and is also involved in the review/approval process for development water and sanitary system connections for East Greenwich Township (Water & Sanitary) and Mount Holly MUA (Sanitary).

Ms. Romeo is currently performing Mechanical and Process Design; Engineering Discipline Coordination; Specifications Review; Engineer's Estimate Compilation and Updates; Site Visits; Shop Drawing Review; Communication and Coordination with Client, New Jersey State/Utility Authorities, Vendors/Manufacturers and Subcontract Engineers for the following projects:

- Segment One - Port Reading Interceptor, Woodbridge Township, NJ
- Segment Five Keasbey Interceptor – Phase 1 & 2, Woodbridge Township, NJ
- Plant No. 2 Primary Settling Tank (PST), Secondary Settling Tank (SST), and P-17 Drainage Pump Station Upgrade Project, Mount Holly MUA, NJ
- Hollybrook Pumping Station Upgrade, Mount Holly MUA, NJ
- Sludge Tank Conversion, Mount Holly MUA, NJ
- Prospect Street Pumping Station Upgrade, Paramus Borough, NJ
- South Trunk Sewer Improvements, Paramus Borough, NJ
- Pumping Station Odor Control Equipment, South Brunswick Township, NJ
- 2025 Water Wain Cleaning & Lining Program, Bloomfield Township, NJ
- Mt. Olive Transfer Station Water Main Extension, Morris County MUA, NJ
- N. Coles Ave Roadway Improvements – Phase 2, Maple Shade Township, NJ
- UV Upgrade, Harrison Township, NJ

Technical Skills

NCEES Environmental Engineering, FE Exam, Completion
New Jersey Engineer-in-Training - EIT-05204, PE License eligibility in June 2026
Municipal Engineering Institute 2025-2026 In Progress – CME completion June 2026
Software/Programming: Fusion360, Microsoft (Word, PowerPoint, Excel); Matlab; AutoCAD

EDUCATION

Master of Science in Environmental Engineering, May 2023, Final GPA: 3.77
Bachelor of Science in Environmental Engineering, May 2022 Final GPA: 3.92
Lehigh University, Bethlehem, PA

Honors: Dean's List for Fall 2018, 2019, 2020, 2021; and Spring 2019, 2020, 2021, 2022

Coursework: Environmental Engineering Processes; Environmental Risk Assessment; Hazardous Waste Management; Geo-Environmental Engineering; Soil Mechanics; Environmental Geology; Environmental Case Studies; Engineering Hydrology; Environmental Hydrology; Water Resources Engineering; Fluid Mechanics; Limnology; Environmental Water Chemistry; Environmental Ecology; Fundamentals of Air Pollution; Engineering Economics; Organic Chemistry; Interdependent Urban Systems; Environmental Separation and Control; Sustainability: Energy-Water Nexus; Mapping Data for Policymaking; Environmental Policy & Law.

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**Alexis Romeo
320 S Colas Ave
Maple Shade NJ 08052**

FOR PRACTICE IN NEW JERSEY AS A(N): Engineer-In-Training

**01/25/2024 TO 01/25/2034
VALID**

**EIT-05204
LICENSE/REGISTRATION/CERTIFICATION #**

Alexis Romeo
Signature of Licensee/Registrant/Certificate Holder

Cari Zais
ACTING DIRECTOR





*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

JAMES H. MC KELVIE, PE, CME **Senior Associate**

PROFESSIONAL

Experience:

Since joining the Alaimo Group in 1985, James McKelvie has been involved in a wide range of civil engineering projects and services.

Mr. McKelvie represents the Firm as Municipal Engineer for Pilesgrove Township in Salem County. This includes planning, design, and oversight of various municipal and development projects within the Township, preparation of funding applications for municipal projects, oversight of tax map maintenance services, and review of groundwater monitoring for the Woodstown-Pilesgrove Sanitary Landfill. Mr. McKelvie has also represented the firm as Municipal Engineer for Ocean Township in Ocean County. This involved planning and design of municipal roadway, storm drainage, recreation, and bulkhead projects, preparation of NJDOT and Community Development funding applications, and oversight of site plan and subdivision construction projects, GIS mapping and tax mapping services for the Township. In addition, Mr. McKelvie formerly represented the firm as Westampton Township Engineer in Burlington County.

Mr. McKelvie serves as Planning Board Engineer for Pilesgrove Township in Salem County. This involves technical review of use variance, bulk variance, major and minor subdivision, and major and minor site plan applications on behalf of a combined Land Use Board, and in conjunction with the Board Planner. Mr. McKelvie previously served a similar role to the East Greenwich Joint Land Use Board in Gloucester County. He has also served as Zoning Board of Adjustment Engineer for Lacey Township in Ocean County. This has involved technical review of use variance, bulk variance, and associated subdivision and site plan applications.

Mr. McKelvie is the Firm's representative to the Salem County Improvement Authority and serves as the project manager/lead engineer for the Cell 12 landfill expansion project. This role involves solid waste facility planning, solid waste facility permitting, landfill design, ground water and surface water monitoring, and construction management.

Mr. McKelvie also represents the Firm as County Engineer for the County of Salem. This involves oversight of the NJDOT and federally funded Salem County road and bridge, and coordination with regulatory and funding agencies including NJDOT and South Jersey Transportation Planning Organization (SJTPO). This includes serving on the SJTPO Technical Advisory Committee and the Salem County Construction Board of Appeals.

Registration:

Licensed Professional Engineer – State of New Jersey
Certified Municipal Engineer – State of New Jersey

Memberships:

American Society of Civil Engineers
Solid Waste Association of America
New Jersey State Association of County Engineers
National Association of County Engineers

EDUCATION

Temple University, Philadelphia, PA – Bachelor of Science, Civil and Construction Engineering
Technology, 1985

New Jersey Municipal Engineering Institute
of the

New Jersey Society of Municipal Engineers, Inc.

This certifies that

James McKeibie

has fulfilled all the requirements for the designation of

Certified Municipal Engineer

Issued and attested to by the Board of Governors of
the New Jersey Municipal Engineering Institute
this day of September, 20



Certificate Number 2011-22

[Signature]
Chairman

[Signature]
Vice-Chairman

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HAS LICENSED

James H. Mc Kelvie
126 Country Farms Road
Marlton NJ 08053-1402

FOR PRACTICE IN NEW JERSEY AS A(N): **Professional Engineer**

04/24/2024 TO 04/30/2026
VALID ✓

24GE03751500
LICENSE/REGISTRATION/CERTIFICATION #


Signature of Licensee/Registrant/Certificate Holder


ACTING DIRECTOR



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

CHARLES A. FOOKS, PE **Associate**

PROFESSIONAL

Experience:

Since joining the Alaimo Group in June 1980, Charles Fooks has advanced his skills in Civil Engineering, site planning and development, hydrology and hydraulics. He is proficient at using Computer-Assisted-Design (CAD) as well as several other software programs..

He has prepared site plans for a variety of projects including municipal buildings (Hainesport, Lumberton, Moorestown), school additions and improvements (Gloucester County College, Lenape Regional High School in Medford, Burlington County Institute of Technology in Medford), public parks with athletic fields (Hainesport, Moorestown, South Plainfield, Woodland Park), tennis courts (Elmwood Park, Riverton, Burlington City, Middlesex County, Elmwood Park), pickleball courts (Hainesport, Westampton, Woolwich), synthetic turf fields (Moorestown, Passaic County), water treatment and storage facilities, wastewater facilities and solid waste facilities. He also assisted in the design of a residential housing development in Westampton Township. Additionally, he has participated in the design and rehabilitation of utility lines including water, sanitary sewer and storm drainage. He has also been responsible for the design of several municipal local road programs. Mr. Fooks has also completed several floodplain analyses utilizing the U.S. Army Corps of Engineers HEC-2/HEC-RAS computer programs.

As a member of the design team for the Burlington County Solid Waste Complex, he has had responsibility for the design of waste cells; leachate collection system; clay liner; final grading plan; and gas collection system. For the Salem County Landfill, he developed the clay liner plan and also designed the leachate collection system. He prepared the closure/post-closure plan and final grading plan for the Evesham Township Landfill, for the J. Vinch & Sons demolition landfill, and for the Hopatcong Borough Municipal Landfill. Mr. Fooks has also conducted important design analyses for the Salem County Landfill and the Burlington County Solid Waste Facilities Complex.

He prepared the sludge management plan for Mount Laurel Township and has prepared 201 studies for wastewater management for Burlington Township/Burlington City; for Delran/Riverside; and for Penns Grove/Carney's Point/Salem County service areas including Industrial Pre-Treatment Surveys.

He has prepared a water distribution system model for Burlington Township and assisted in the preparation of a system model for Mount Laurel MUA to determine required capital improvements. He has also prepared or assisted in the preparation of wastewater effluent dilution studies for Cinnaminson, Delran, Florence, Palmyra, Riverside, Riverton and Willingboro.

Registrations:

Licensed Professional Engineer - State of New Jersey

EDUCATION

Rutgers University, Bachelor of Science in Civil Engineering, 1980

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CHARLES A. FOOKS
14 Horseshoe Lane N
Columbus NJ 08022

FOR PRACTICE IN NEW JERSEY AS A(N): Professional Engineer

New Jersey Office of the Attorney General
Division of Consumer Affairs

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CHARLES A. FOOKS
Professional Engineer



03/02/2024 TO 04/30/2026
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SIGNATURE
Carri Zanis
ACTING DIRECTOR
24GE03525900
License/Registration/Certificate #

03/02/2024 TO 04/30/2026
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Charles Fooks
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Carri Zanis
ACTING DIRECTOR

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P.O. Box 45015
Newark, NJ 07101

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*Richard A. Alaimo Associates
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Consulting Engineers*

DAVID FRONDUTI, P.E. **Senior Project Engineer**

PROFESSIONAL

Experience:

David Fronduti has fifteen (15) years of experience in the Construction and Engineering Field. He has had considerable experience as a Field Inspector initially for Earth Engineering Incorporated and then followed by the Temple Group. Thereafter, he worked at Legion Design as a Construction Engineer, which was then followed by a Design Engineer position for over three years.

Mr. Fronduti has served as Municipal Engineer for Burlington City and Bridge/Road Design Engineer for Alaimo Group and has been with our firm since April 2018. He has worked on various culvert projects in Middlesex and Union County performing design calculations for retaining walls and the culvert design, he was also responsible for proposed roadway improvements on said projects. Mr. Fronduti was involved with preparing design plans for roadway and traffic signals improvements on various projects throughout both Middlesex and Union County as well.

Structural and road inspections for various projects and participating in the oversight of structural steel repairs for the Tacony-Palmyra Bridge, which spans the Delaware River, are also tasks that Mr. Fronduti has performed since working for Alaimo Group.

Recently, Mr. Fronduti managed the project for the PFAS Treatment System at Well 5A in Willingboro Township, NJ, a pump station for Florence Township, NJ, and is currently managing an addition to the Monroe Police Department in Middlesex County, NJ as well as an emergency well drilling for Willingboro Township, NJ.

Certification:

Licensed Professional Engineer - State of New Jersey

EDUCATION

The Catholic University of America, Washington D.C.
Bachelor Civil Engineering with a Concentration in Structural/Geotechnical Engineering

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**David Fronduti
2128 Carpenter Street
Philadelphia PA 19146**

FOR PRACTICE IN NEW JERSEY AS A(N): Professional Engineer

**04/02/2024 TO 04/30/2026
VALID**

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ACTING DIRECTOR



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

Resumes:

Mechanical

Electrical

Structural



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

RICHARD S. CHECINSKI, PE **Associate**

PROFESSIONAL

Experience:

Mr. Checinski has thirty-five (35) years of design experience in various phases of civil, environmental and mechanical engineering and joined Alaimo Group in 1988.

His experience as a civil/environmental engineer includes the design of several wastewater treatment plants, pumping stations and sewage, and storm water collection systems including conceptual design, equipment selection and preparation of construction drawings and technical specifications. Mr. Checinski has also designed sludge dewatering facilities, disinfection systems, flow equalization tanks, sediment tanks and water booster stations for several municipal clients throughout New Jersey.

His experience also includes mechanical design of HVAC, plumbing and fire suppression sprinkling systems, potable water and utility distribution lines. The projects in which Mr. Checinski has been involved range from minor renovations and repairs to the design and construction management of major new industrial, and commercial/office complexes.

His seven (7) years of experience in the ship building industry as a mechanical engineer included the design and construction administration of machinery arrangements, piping and HVAC systems for naval and commercial ships. Mr. Checinski has supervised the testing and start-up of various piping, mechanical and HVAC systems.

Registration:

Licensed Professional Engineer - State of New Jersey

EDUCATION

Technical University, Wroclaw, Poland -

BSC in Sanitary/Environmental Engineering - 1974-1979

Technical College, Wroclaw, Poland - Survey Technician 1968-1971

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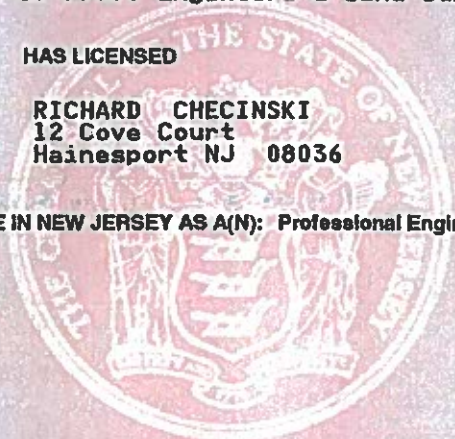
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**RICHARD CHECINSKI
12 Cove Court
Hainesport NJ 08036**

FOR PRACTICE IN NEW JERSEY AS A(N): **Professional Engineer**



05/22/2024 TO 04/30/2026
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24GE04348500
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Richard S. Murt
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Cari Zais
ACTING DIRECTOR



*Richard A. Alaimo Associates
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Consulting Engineers*

INDRA TEJ VADLAMANNATI, PE

Senior Project Engineer

PROFESSIONAL

Experience:

Mr. Vadlamannati is a Mechanical Design Engineer with over 4 years of experience in Heating Ventilation & Air Conditioning (HVAC) with exceptional design skills utilizing various engineering design/drafting tools such as AutoCAD, REVIT MEP. Mr. Vadlamannati possesses a sound knowledge in fundamentals of Thermodynamics, Heat Transfer, Fluid Mechanics and HVAC.

Mr. Vadlamannati has designed and managed the renovation and installation of HVAC systems for facilities such as Universities, Schools and Public Buildings commencing with program analysis and progressing through Design Development, Construction Documents, Bidding and Construction Administration.

Specific technical tasks have included; Calculating Heating/Cooling loads utilizing Trane Trace software, sizing ducts and pipes manually using Ductulator, pipe size calculator and other duct and pipe charts such as VariTrane Duct Designer and Trane Pipe Designer tools.

His responsibilities have also involved selection of mechanical equipment to include pumps, fans, air terminals, vav boxes, boilers, gas fired furnaces and chillers. Mr. Vadlamannati has provided extensive coordination with Architects, Structural, Electrical and Plumbing Engineers, performed site surveys and inspections, prepared ventilation schedules and produced design drawings and specifications for contractor bidding and construction.

Registration:

Professional Engineer – California, New Jersey (Pending)

Technical skills:

AutoCAD, REVIT MEP, Trane Trace, VariTrane Duct Designer, Trane Pipe Designer, SolidWorks
Computer skills: Microsoft Office, Basics of C & C++, MacOS, IOS, Windows OS

Memberships:

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)
U.S. Green Building Council (USGBC)
Institute of Industrial and Systems Engineers

EDUCATION

Master of Science - Mechanical Engineering, University of Illinois at Chicago, May 2017
Cumulative GPA 3.88/4

Bachelor of Technology - Mechanical Engineering, SASTRA University, Tamil Nadu, India, May 2015 - Cumulative GPA 8.33/10; Dean's List



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

JAMES R. NICODEMUS III, P.E.
Senior Associate

PROFESSIONAL

Experience:

Mr. Nicodemus has been with the Alaimo Group for over twelve (12) years with a total of eighteen (18) years of electrical engineering experience and seven (7) years of previous experience as a field electrician/supervisor in his family's Electrical Contracting and Electrical Supply Warehouse businesses.

His experience as an electrical engineer, specializing in power distribution design for a wide range of projects. His portfolio includes work on water and wastewater treatment plants, wastewater pumping stations, collection systems, generator installations, athletic field lighting, parking facility area lighting, and various commercial, industrial and municipal facility upgrades. Responsibilities have encompassed field data collection, facility assessments, conceptual design development, equipment selection, and compliance analysis based on the latest National Electrical Code (NEC). He has also prepared detailed construction drawings and technical specifications and performed reviews and approvals of related shop drawings. The projects in which Mr. Nicodemus has been involved range from minor renovations and repairs to the design and construction management of major new commercial and industrial complexes.

Since joining Alaimo Group, Mr. Nicodemus has been involved as the Lead Electrical Engineer for a number of multi-disciplined design and construction projects for Municipal and Water and Wastewater clients.

- Atlantic City Board of Education – Various School MEP Improvement Projects
- Salem County Landfill Facility – Landfill Cell Expansions
- Burlington County Landfill Facility – Landfill Cell Expansions and Site Improvements
- Passaic County – Healthcare Facility and Building Management System Upgrades
- Elmwood Park Borough – Various Generator Improvements
- Mount Laurel Township – Athletic Field Lighting Installations
- Mount Laurel MUA – Wastewater Treatment Plant and SCADA Improvements
- Evesham MUA – Water and Wastewater SCADA Improvements

Registration/Membership:

Licensed Professional Engineer – State of New Jersey
International Electrical and Electronic Engineer Association (IEEE), 2008-Present
International Association of Electrical Inspectors (IAEI), 2017 – Present

EDUCATION

Rutgers University, Piscataway, NJ
B.S., Electrical and Computer Engineering, 2007

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James R. Nicodemus
5 Edgewater Drive
Hainesport NJ 08036

FOR PRACTICE IN NEW JERSEY AS A(N): Professional Engineer

03/15/2024 TO 04/30/2026
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ACTING DIRECTOR



*Richard A. Alaimo Associates
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Consulting Engineers*

KARA GREENWOOD

Senior Project Manager

PROFESSIONAL

Experience:

Ms. Greenwood joined Alaimo Group in July 2018 and has quickly adapted as a Project Manager in our Electrical Department. In this capacity, Ms. Greenwood has been under the tutelage of James Nicodemus, P.E., Senior Associate, and has developed quickly as an Electrical Engineer.

A sampling of some recent multi-disciplined projects that Ms. Greenwood has participated in include the:

- Electrical Cooperation with HVAC engineers to improve energy use throughout Passaic County Facilities in the Passaic ESIP
- Passaic County seven-story parking garage conduit, wiring, and lighting upgrades
- Bergen County Justice Center Façade
- Pump Stations Renovations
- MHMUA Generator Replacement
- Cinnaminson Central Pump Station Generator
- WPCF Lightning/Surge Protection

Skill Set:

Microsoft Office, MATLAB, C++, OrCAD PSpice, AutoCAD

Education:

Rutgers University
Bachelor of Science in Electrical and Computer Engineering, 2018



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

ERIK CHRISTIAN SVENSEN, PE, MCE **Senior Associate**

PROFESSIONAL

Experience:

Mr. Svensen has over twenty-seven (27) years of experience and oversees our Bridge and Highway Department while also providing Project Manager and Lead Design Engineer duties on other in-house related design projects. His prior experience before working for Alaimo Group includes performing various design tasks on numerous bridge projects, most notably on long span segmental bridge projects in Maine, Ohio, and Pennsylvania. This includes the single-plane cable stay 2,120 foot segmental construction Penobscot Narrows Bridge in Prospect-Verona, Maine. The major tasks included the foundation design for the renowned 420-foot observatory pylon footing and the geometric layout of the cable stay cradle system through the pylon. Other work includes the shop drawing review for the precast concrete approach segments on the Veterans Glass City Skyway Bridge over the Maumee River, in Toledo, Ohio and the post-tensioning design check for the piers on the multi-span concrete segmental Susquehanna River Bridge on the Pennsylvania Turnpike near Harrisburg, PA.

Since joining Alaimo Group in 2004, Mr. Svensen has managed numerous bridge and culvert replacement projects in Middlesex County, Union County, Bergen County, Somerset County and Passaic County. He has prepared final design calculations and plans, engineer's estimate, specifications, and final construction bid plan packages in coordination with sub-consultants for county approval. All bridge elements and culverts were designed and checked according to the NJDOT Bridge Design Manual and AASHTO Standard Specifications. He also provided Construction Engineering services during construction of these bridge and culvert replacement projects. In 2016, Mr. Svensen was promoted to the Head of Bridge and Highway Department, where he became more involved with roadway and traffic signal design.

In addition, Mr. Svensen was the Lead Design Engineer with Alaimo Group for the concept development of the Pennsylvania Turnpike Commission's Bridge EB-700, which is a two-span 140ft bridge crossing the Pennsylvania Turnpike in Honey Brook and West Nantmeal Townships.

Registration:

Licensed Professional Engineer - State of New Jersey

EDUCATION

Widener University, Chester P.A.; Bachelor of Science Civil Engineering (BSCE) 1993
Villanova University, Villanova P.A.; Masters Civil Engineering (MCE) 2002

Publications:

Gross, S. P.; Yost, J. R.; Dinhart, D. D.; Svensen, E. C.; Liu, N. (2002)
"Shear Strength of Normal and High Strength Concrete Beams Reinforced with GFRP Reinforcing Bars," ASCE Journal Structural Engineering Special Publication.

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Erik C. Svensen
19 Chaucer Lane
Madford NJ 08055

FOR PRACTICE IN NEW JERSEY AS A(N): Professional Engineer

04/04/2024 TO 04/30/2028
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Erik C. Svensen
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Cari Zain
ACTING DIRECTOR



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Erik C. Svensen
Professional Engineer

04/04/2024 TO 04/30/2028
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Signature
Cari Zain
ACTING DIRECTOR

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Newark, NJ 07101

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(Alaimo Group)
Consulting Engineers*

JACOB DEWITT, P.E., MCE **Senior Project Engineer**

PROFESSIONAL

Experience:

Mr. DeWitt joined Alaimo Group in January 2017 after earning his Master of Civil Engineering Degree from the University of Delaware. Since then, Mr. DeWitt has provided a varied and considerable amount of structural design services on projects in the Bridge/Culvert, Highway, Building, and MUA sectors throughout New Jersey. A sample of a few recent projects that Mr. DeWitt has assisted include:

- Railroad upgrades and steel bulkhead design – Salem City, Salem County, NJ
- Structural Design of reinforced-concrete and concrete masonry structures
 - Five-story firefighter training facility – Sayreville, Middlesex County, NJ
 - Expansion of Central Vehicle Maintenance Building “B” – North Brunswick, Middlesex County, NJ
- Lead dam inspection services, dam rehabilitation and repair, review of Emergency Action Plans, and Operations and Maintenance Manuals
- Rehabilitation of Burnet Street Bridge, including deck widening, girder painting, and safety upgrades – New Brunswick/East Brunswick, Middlesex County, NJ
- Design of rigid-frame precast concrete culverts and retaining walls in the Counties of Middlesex, Passaic, and Union.
- Structural Design and repair of various wastewater treatment plant structures including:
 - Structural Design of Filter Building and Expansion of Chemical Building – Florence Township, Burlington County, NJ
 - Structural Design of Hartford Road Wastewater Treatment Plant – Moorestown, Burlington County, NJ
 - Structural Design of Well No. 7 Building – Evesham, Burlington County, NJ
- Structural Design of County Salt Storage Facilities:
 - Pompton Lakes Borough, Passaic County, NJ
 - Cranbury Township, Middlesex County, NJ
- Facility condition assessments and post-fire damage inspections:
 - Burlington County Bridge Commission Facilities – Camden & Burlington County, NJ
 - Mercer County Correctional Facility – Lambertville, Mercer County, NJ
 - McNeal Mansion Post-Fire Inspection – Burlington City, Burlington County, NJ
 - BACNJ Post-Fire Inspection – Bordentown, Burlington County, NJ

REGISTRATION

Licensed Professional Engineer, State of New Jersey

EDUCATION

The College of New Jersey, B.S. Civil Engineering, 2015
University of Delaware, M.C.E. Civil Engineering, 2016

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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 LICENSED

Jacob DeWitt
Alaimo Group Consulting Engineers
208 High Street
Mount Holly NJ 08060

FOR PRACTICE IN NEW JERSEY AS A(N): Professional Engineer

Civil

03/20/2024 TO 04/30/2026
VALID


Signature of Licensed Registrant/Certificate Holder

24GE05694100
LICENSE/REGISTRATION/CERTIFICATION #


ACTING DIRECTOR





Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers

PIOTR GRODEK

Senior Project Manager

PROFESSIONAL

Experience:

Mr. Grodek has over eighteen (18) years of diverse engineering and project management experience. As a Lead Structural Engineer, Piotr has been involved in numerous and diverse projects from the design, inspection, analysis, repairs and upgrades of buildings, tanks and other structures and supporting systems associated with wastewater treatment plants, water treatment plants, grit and screening removal system, pump stations, trash transfer stations, water towers, fire stations and other municipal plant structures.

Woodbridge Township: Mr. Grodek has served as Lead Structural Engineer for the completion of the design documents for the following projects including:

- **Grit Chamber Upgrade:** Structural upgrades to Grit Chamber (inground concrete 20'W x 70'L x 40'D) at Woodbridge Avenue Pumping Station to optimize grit removal efficiency consisting of new equipment: grit screw conveyors, submersible grit pumps, grit classifiers, slide gate valves, aeration system, hydraulic tee screens including conveyor and wash press for screenings, traveling hoist and monorail system; design of structural foundation and pile plans to support new Classifier Building.

Mount Holly Municipal Utilities Authority (MHMUA): Mr. Grodek has served as Lead Structural Engineer for the completion of the design documents for various wastewater projects including:

- **Garden Street Pumping Station Upgrade:** Demolition of existing Dry-Can Pump Station and replacement with submersible pump station including new submersible pumps, comminutor, and new building (housing valving and emergency generator); included new pump station building supported on piles.
- **Sludge Thickening Tank Conversion:** Conversion of spent carbon thickening tank to store thickened sludge, new submersible mixer and davit crane and various tank hatch modifications.

Willingboro Municipal Utilities Authority (WMUA): Mr. Grodek has served as Lead Structural Engineer.

- **Water Pollution Control Plant Screening and Grit Removal Equipment:** Design included: Wet Well modifications to top slab, and demolition (using hydro-demolition method). Demolition and modifications to the mid and lower-level raw sewage wet well required for the installation of the new screening equipment. Modifications as required for the installation of stainless-steel supplemental framing, stairways, and concrete repairs. Foundations for grit removal equipment, canopy, and dumpsters.

EDUCATION

- Master's Degree in Structural Engineering, POLITECHNIC of Lublin, 2002
- Burlington County College, 2014



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

Resumes:

Planners

Architectural



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

THOMAS D. CAPPETTI, JR.
Associate, Environmental Planner

PROFESSIONAL

Experience:

Mr. Cappetti has been with Alaimo Associates for over forty-one (41) years with thirty-seven (37) years of experience in environmental planning, land use development, wetland delineation and project management. Mr. Cappetti is responsible for all land use permitting, environmental planning activities, and the in-house review of all design projects to determine Federal, State, and local land use regulatory requirements. He is responsible for obtaining all land use permits and approvals for projects involving Freshwater Wetlands, Flood Hazard Area, CAFRA, Waterfront Development, Highlands, Solid Waste, Army Corps of Engineers, Pinelands Commission, Delaware/Raritan Canal Commission, New Jersey State Historic Preservation Office, Green Acres, New Jersey Sports and Exposition Authority, EPA, and the U.S. Fish and Wildlife Service. He has completed hundreds of wetland delineations, ranging in size from under one acre to well over 600 acres. Mr. Cappetti performs a variety of environmental and planning assessments including Environmental Impact Statements (EIS & EHIS), Preliminary Assessment Reports (PAR), New Jersey Water Bank Infrastructure Planning Documents, Threatened and Endangered Species Investigations, Categorical Exclusionary Documents (CED).

Mr. Cappetti has managed projects involving community development, small cities, affordable housing, solid waste management planning, wastewater management planning, regional transportation planning, park and recreation development, land acquisition, open space assessment and preservation, stormwater management, site development and building addition/renovation.

Mr. Cappetti's more recent projects include: Burlington County Resource Recovery Complex Landfill 3 Expansion; Middlesex County Utilities Authority Landfill; Morris County Utilities Authority Mount Olive Transfer Station Highlands Water Main Extension; Morris County Utilities Authority Par/Troy Transfer Station Permit Renewal; Bergen County Bridge No. 02C6808 Replacement; Passaic County Warwick Turnpike Bridge Replacement; Middlesex County Washington Avenue Transportation Safety Improvements; Salem County Fort Elfsborg Road Raising; Wanaque Borough Glen Court Bank Stabilization; Woolwich Township Black Creek Road Culvert Replacement; Willingboro MUA TM-1 Collection System; Mount Holly MUA Hollybrook Culvert Pump Station Rehab; South Brunswick Township Route 1 Utilities; Elmwood Park Marina Green Acres PAR; Little Falls Duva Field Green Acres PAR.

Memberships:

American Planning Association (APA)
State of New Jersey Professional Planner

EDUCATION

Trenton State College, Ewing, NJ; Biology, 1988
Rutgers Professional Education Programs; (NJDEP) 1992 – 2000
Rutgers Professional Education Programs; (APA), (AICP) 1998 – 2004



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

SAMM SWEET

Project Manager, Environmental/Planning

PROFESSIONAL

Experience:

Mr. Sweet has been with Alaimo Associates for over 2 years and his experience includes environmental planning, land use development, and wetland delineation. As a member of Alaimo Group, Mr. Sweet is an integral member of the Environmental Planning Department, preparing NJDEP Land Use Permitting and assisting in field environmental assessments and wetlands delineation. He is responsible for preparing land use development and environmental permitting activities, including the in-house review of all design projects to determine Federal, State, and Local land use regulatory requirements. The Environmental Planning Department is responsible for obtaining all land use permits and approvals for projects involving Freshwater Wetlands, Flood Hazard Areas, CAFRA, Waterfront Development, Highlands, Solid Waste, Army Corps of Engineers, New Jersey Historic Preservation Office, Green Acres, EPA, and the US Fish and Wildlife Service. He has assisted in wetlands delineation and a variety of environmental and planning assessments including Environmental Impact Statements (EIS&EHIS), Preliminary Assessment Reports (PAR), New Jersey Water Bank Infrastructure Planning Documents, Threatened and Endangered Species Investigations, and Categorical Exclusion Documents.

Mr. Sweet has been involved with other planning activities with Alaimo, including the review and preparation of reports for site plans, redevelopment plans, and variance applications. He has also been actively involved in the collection and interpretation of data for the fourth round of affordable housing for Toms River Township, Harrison Township, The Borough of Glassboro South Brunswick Township, and East Greenwich Township. He possesses above average collaborative skills and is proficient in analyzing and solving challenges. His versatile and exceptional skills have enabled him the ability to integrate permitting and planning expertise and to deliver comprehensive results on complex projects ensuring that they meet both technical and regulatory requirements.

Mr. Sweet's specific project involvement recently has included: Burlington County Resource Recovery Complex Landfill 3; Middlesex County Landfill; Morris County Utilities Authority Mount Olive & Parsippany-Troy Transfer Stations Permit Renewals; Bergen County, Replacement of Pulis Avenue Bridge; Passaic County, Replacement of Warwick Turnpike Culvert; Middlesex County, Replacement of Rahway Avenue Culvert; Willingboro MUA, TM-1 Collection System Resiliency Improvements; Township of South Brunswick, Route 1 Utility Replacement; Borough of Wanaque, Glen Court Stabilization; Cinnaminson Sewerage Authority, UV Disinfection System Planning Document; Borough of Paramus, Prospect Street Pumping Station Planning Document; Borough of Elmwood Park, Elmwood Drive Park PAR; Little Falls Township, Duva Field PAR.

Technical Skills:

Microsoft Programs including Word and Excel, Geographic Information Systems (ARC GIS)

EDUCATION

Rowan University, Glassboro NJ; Bachelor of Environmental Sustainability Studies, 2022
Rowan University, Glassboro NJ; Bachelor of Community and Environmental Planning, 2022
Rowan University, Glassboro NJ; Certificate of Undergraduate Study in Geographic Information Systems (GIS), 2022



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

DAN VECHESKY **Associate**

PROFESSIONAL

Experience:

Dan Vechesky has more than thirty-five years of Planning and Zoning Board experience with over 20 municipalities throughout the State of New Jersey. In this capacity, Mr. Vechesky has been designated as Lead Man for client representation and has been responsible for review of Planning and Zoning Board applications including major and minor site plans, major and minor subdivision plans, storm water management reports, Environment Impact Statements, Phase I Environmental Assessments, Stormwater Management Operations and Maintenance Manuals, and preparation of review reports and construction estimates for bonding purposes.

He is responsible for Project Management of private development including preparation and recommendations to Township for bond reductions and release, and final acceptance of projects; coordination with field inspectors to address field problems; coordination with Planning and Zoning Board's professionals to address client needs. He is familiar with all aspects of Zoning and Land Use Ordinances including the New Jersey Residential Site Improvement Standards (RSIS) for review compliance regarding parking, site development, grading, drainage, water, sewer, lighting, landscaping, construction details, survey, bulk standards and permit requirements.

Mr. Vechesky's consulting engineering work experience includes design and project management of capital improvement projects including roadway reconstruction with storm drain improvements, preparation of the NJDOT SAGE grant applications and SAGE project management, including preparation of Municipal Aid, Transit Village and Safe Street to Transit applications via SAGE (System for Administering Grants Electronically) and PMRS (Project Management Report System). He is responsible for coordination between municipalities and NJDOT; updating Stormwater Management Ordinances, Spill Pollution Prevention Plan Ordinances, NJDEP MS4 Mapping, preparation of Community Development Block Grant (CDBG) applications.

Mr. Vechesky's construction inspection experience includes all aspects of capital improvement and private development projects including roadway construction, paving, curb, sidewalk, drainage, above and below ground stormwater management basins, lighting, landscaping, water main, sanitary sewer main, force main and pump station installation, sewer main lining, bulkhead repair, water well redevelopment and pump station repair, landfill closure. He is responsible for coordination with Project Engineers to resolve field issues.

In addition to consulting engineering work, Mr. Vechesky's work experience includes planning work. He is responsible for review of major and minor site plans; review of major and minor subdivision plans for compliance with zoning ordinances and master plans; variance plan reviews, preparation of review reports. He is familiar with various aspects of master plan and redevelopment plan updates and implementation of Master Plan updates, Redevelopment planning, and Open Space and Recreation planning.

EDUCATION

Glassboro State College, B.A. Physical Sciences, 1979
Temple University, 1984
NJDEP Stormwater Management Review Course



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

JOSEPH S. AUGUSTYN, PP, AICP **Associate/Planner**

PROFESSIONAL

Experience:

Joe Augustyn joined Alaimo Group in 1978 and has forty-five (45) years of experience in Urban and Regional Planning. As a member of Alaimo Group, his focus is strategic, comprehensive and functional community planning. He regularly develops municipal master plan elements, redevelopment investigations and plans, and affordable housing alternatives, and serves as company representative to municipalities and other public entities. He has managed award winning projects involving community redevelopment, comprehensive master plans, natural resources preservation, watershed and stormwater management, urban enterprise zone development, multi-use greenways, and open space preservation. Joe serves as a FEMA CRS Coordinator, and most recently completed storm resiliency design guidance for homes, businesses, and communities. His experience includes comprehensive community development, wastewater management planning, wetlands mitigation, ordinance preparation, recreational planning, project funding, municipal-wide ADA Transition Plans, public participation, safe streets, and Salem County "Access for All."

He represents the firm in planning services to the Townships of Burlington, East Greenwich, and Toms River; the Boroughs of Glassboro, Medford Lakes, and Riverton; the Cities of Jersey City, Bordentown and Hackensack; and the County of Salem. He is a recognized expert in comprehensive land use and municipal planning, having presented seminars, been published and provided expert testimony. Mr. Augustyn is pre-qualified by the New Jersey Department of Community Affairs (DCA) to perform smart future professional planning work. His latest work includes cannabis planning and block chain applications in community development. Joe's volunteer causes include Trustee for Rancocas Creek Conservancy, and teaching courses to Planning and Zoning Board members. International work experience includes Australia, Papua New Guinea and Iran.

Registrations:

Licensed Professional Planner - State of New Jersey
American Institute of Certified Planners - American Planning Association

Memberships:

American Planning Association (APA)
American Institute of Certified Planners (AICP)
Delaware Estuary Program
Rancocas Creek Conservancy

EDUCATION

University of Pennsylvania, Master of City Planning, 1984
AICP Professional Development CEU: 1993, 2011, 2013, 2015, 2017, 2019, 2021, 2023
New Jersey Redevelopment Training Institute: Redevelopment Planning Module: 2009, 2010
Sustainable Development Training Workshop, 2011
NJDOT Complete Streets Design and Implementation Workshop, 2012, 2016
NJDEP/BPU Alternative Energy Workshop, 2012
FEMA: Facilitating Community Recovery Workshop, 2014
Drexel University, Graduate Civil Engineering Program, 1978-79
University of Bridgeport, Bachelor of Arts, 1975
Burlington County Community College, Associate in Arts, 1971

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Board of Professional Planners

HAS LICENSED

JOSEPH S. AUGUSTYN
634 ELM TERRACE
RIVERTON NJ 08077-1449

FOR PRACTICE IN NEW JERSEY AS A(N): Professional Planner

05/04/2024 TO 05/31/2026
VALID

33LI00244700
LICENSE/REGISTRATION/CERTIFICATION #

Joseph S. Augustyn
Signature of Licensee/Registration/Certification Holder

Cari Bain
ACTING DIRECTOR

New Jersey Office of the Attorney General
Division of Consumer Affairs
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JOSEPH S. AUGUSTYN
Professional Planner

05/04/2024 TO 05/31/2026
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License/Registration/Cert. #

SIGNATURE
Cari Bain
ACTING DIRECTOR

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Board of Professional Planners
P.O. Box 45016
Newark, NJ 07101

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*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

RICHARD HUNT, P.P., AICP **Senior Project Planner**

PROFESSIONAL

Experience:

As a Senior Project Manager, Mr. Hunt has prepared land use plans and maps, planning research reports, and presentations. He focuses on strategic, functional, and comprehensive planning. He has developed municipal master plans, redevelopment investigations and plans, affordable housing plans, park plans, and multiuse greenways. He has developed public presentation visualizations, drawings, models, and graphics. He has prepared RFPs for professional services for a multitude of public projects and serves as a company representative to municipalities and other public entities.

Mr. Hunt has managed a variety of municipal projects, such as parks design, township assessments, affordable housing projects, and redevelopment. He has analyzed parcel and demographic data to create plans and maps in GIS. Mr. Hunt has drafted board review reports for land use board applications. He has performed site inspections, analyzed site layouts, and assisted in preparing redevelopment investigations and plans for multiple sites in New Jersey. His tasks have included attendance at public meetings, presenting reports and findings to town councils, land development boards, and providing expert testimony.

Mr. Hunt has recently provided Planning services to the following municipalities: Burlington Township, East Greenwich, Toms River, Evesham Township, Hamilton Township, Harrison Township, South Brunswick Township, Medford Lakes, Borough of Glassboro, Salem County and Woolwich Township. Mr. Hunt applies the latest techniques and technology in advancing sustainable development and resilient cohesive communities.

Registration:

Licensed Professional Planner, State of New Jersey
American Institute of Certified Planners - American Planning Association

Membership:

American Planning Association (APA)
American Institute of Certified Planner (AICP)
Rancocas Conservancy Trustee

EDUCATION

Masters in City and Regional Planning- M.C.R.P., Concentrations in Urban Design and Development/ Redevelopment. Edward J. Bloustein School of Planning and Public Policy, New Brunswick 2017
B.A. - Planning and Public Policy, Rutgers University, New Brunswick 2017
B.A. - Geography, Rutgers University, New Brunswick 2015
APA Continuing Education

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Division of Consumer Affairs**

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Richard W. Hunt
121 W.Park Blvd.
Haddon Township NJ 08108

FOR PRACTICE IN NEW JERSEY AS A(N): Professional Planner

New Jersey Office of the Attorney General
Division of Consumer Affairs
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Richard W. Hunt
Professional Planner

03/26/2024 TO 05/31/2026
VALID

SIGNATURE
Cari Zain

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03/26/2024 TO 05/31/2026
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LICENSE REGISTRATION/CERTIFICATION #

R. Hunt

Signature of Licensee/Registrant/Certificate Holder

Cari Zain

ACTING DIRECTOR

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Newark, NJ 07101

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*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

Tri-State Architects, P.C.



ANITA ARADHYA, RA, AIA, LEED, AP Senior Associate

PROFESSIONAL

Experience:

Ms. Aradhya has twenty-three (23) years of experience as a Project Architect and Designer. She has worked extensively to develop, design, document and manage federal, municipal, educational, healthcare, historic preservation and facility planning projects. She has also worked on LEED certified building projects and coordinated LEED documentation for various agencies and their respective consultants, engineers, owners and end users.

Ms. Aradhya's considerable public sector experience has been focused on New Jersey and Pennsylvania based facility projects, correctional facilities, school districts, libraries, existing building evaluation and various roof replacement projects. She has worked as an Architect of Record, Project Architect, CAD-Architectural Designer, and LEED Coordinator. Ms. Aradhya joined Tri-State/Alaimo Group in 2014.

Ms. Aradhya possesses advanced technological skills with expertise in AutoCAD, BIM-Revit Architecture and Bentley MicroStation, Adobe Photoshop, SketchUp and Lumion.

Recent Projects:

- Repairs to Middlesex County Adult Correction Center Renovation, N Brunswick, NJ
- Bergen County Justice Center-Exterior Historical Restoration Project-Hackensack, NJ
- Bergen County Building Renovation at 40 Passaic St Hackensack, NJ
- Existing Conditions Report for Bergen County Jail, Hackensack, NJ
- Existing Conditions Report for Offices & Warehouse at Paramus, Carlstadt and Hackensack for Bergen County
- Existing Conditions Roof Report for Roofs (50 Buildings) Bergen County Utility Authority, Little Ferry, NJ
- Roof Replacement for Three Schools in Voorhees School District
- Additions to Municipal Building, Mount Laurel Township, NJ
- Burlington County Detention Center: ADA Upgrades, Mt. Holly, NJ
- North Church Street Water Treatment Plant, Moorestown, NJ
- Hartford Road Water Treatment Plant, Moorestown NJ
- Evesham Twp. Municipal Utility-Water Treatment Plant, Evesham, NJ

Registrations/Licenses/Certifications:

AIA- American Institute of Architects
Registered Architect – New Jersey
Registered Architect-Pennsylvania
Registered Architect-New York
Registered Architect-Delaware

LEED AP - USGBC
LEED BD+C – USGBC
LEED O+M - USGBC

EDUCATION:

Masters in Environment Management and Sustainability-Harvard University Extension School
Bachelor of Architecture-Bangalore University, India

CA-20

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THIS IS TO CERTIFY THAT THE
BOARD OF ARCHITECTS

HAS LICENSED

Anita S. Aradhya
1202 Neck Road
Burlington NJ 08016

FOR PRACTICE IN NEW JERSEY AS A(N): Registered Architect

06/14/2025 TO 07/31/2027
VALID



Signature of Licensee/Registration Certificate Holder

21A101876900
LICENSE/REGISTRATION/CERTIFICATION #



ACTING DIRECTOR

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Division of Consumer Affairs
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BOARD OF ARCHITECTS
HAS LICENSED
Anita S. Aradhya
Registered Architect

06/14/2025 TO 07/31/2027
VALID

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License/Registration/Certificate #

SIGNATURE



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BOARD OF ARCHITECTS
PO BOX 45001
NEWARK, NJ 07101

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GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT

Anita Aradhya

HAS ATTAINED THE DESIGNATION OF

LEED AP[®] Building Design + Construction

by demonstrating the knowledge and understanding of green building practices and principles needed to support the use of the LEED[®] green building program.

92435-AP-BD+C

CREDENTIAL ID

03 DEC 2009

ISSUED

30 DEC 2026

VALID THROUGH

A handwritten signature in black ink, appearing to read 'Peter Templeton'.

PETER TEMPLETON
PRESIDENT & CEO
U.S. GREEN BUILDING COUNCIL & GREEN BUSINESS CERTIFICATION INC.



GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT

Anita Aradhya

HAS ATTAINED THE DESIGNATION OF

**LEED AP[®] Building Operations +
Maintenance**

by demonstrating the knowledge and understanding of green building practices and principles needed to support the use of the LEED[®] green building program.

CREDENTIAL ID

92435-AP-O+M

ISSUED

21 DEC 2017

VALID THROUGH

30 DEC 2026

A handwritten signature in black ink that reads "Peter Templeton".

PETER TEMPLETON
PRESIDENT & CEO
U.S. GREEN BUILDING COUNCIL & GREEN BUSINESS CERTIFICATION INC.



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

Tri-State Architects, P.C.



COLIN W. McLAIN, AIA **Associate/Architect**

PROFESSIONAL

Experience:

Mr. McLain has over fifty-one (51) years of diverse experience in the Architectural profession. He has acquired broad proficiency in commercial, industrial, interior and residential architecture directing projects from Programming through the Contract Administration phase and occupancy. His project management capabilities utilize thorough program analysis, efficient resource management, and personnel communications abilities which have successfully delivered both challenging and creative projects. He has been employed or consulted with Fortune 100 corporations such as Bechtel, Exxon, Core Laboratories and Compaq Computers along with small private business entities along with his own private architecture practice.

Mr. McLain has been involved in a wide-ranging array of project types in the private and public sector collaborating directly with individual owners, corporations, developers, contractors, school districts and municipal utilities. These have included diverse projects such as Corporate Board Rooms, Conference and Training Centers, Public Schools, Industrial Laboratories, Manufacturing facilities, Telecommunications sites, Warehouses, Restaurants and Office Planning and Interiors. These projects have been conducted as either Competitive Bid, Design/Build or Negotiated Contract agreements.

Mr. McLain joined Richard A. Alaimo Associates/Tri-State Architects in February 2018. He has provided project management for several public-school projects, along with city, municipal and utility authority building analysis and renovation projects. He brings a direct hands-on approach to the project(s) with his unique vision of large firm management organization combined with smaller firm responsiveness and personal attention.

Registration / Memberships:

Registered Architect, State of New Jersey
Registered Architect, State of Texas
Registered Interior Designer, State of Texas
American Institute of Architects

EDUCATION

University of Houston, College of Architecture
Continuing Education (annual per AIA requirements)
Corporate Management and Personnel Training
Business and Project Financial Training

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

THIS IS TO CERTIFY THAT THE
BOARD OF ARCHITECTS

HAS LICENSED

COLIN MCLAIN
625 George Street
Franklinville NJ 08322

FOR PRACTICE IN NEW JERSEY AS A(N): Registered Architect

Vertical security text on the right side of the document, including "New Jersey Office of the Attorney General" and "Division of Consumer Affairs".

Handwritten signature of Colin McLain and the signature of the Acting Director.

07/27/2025 TO 07/31/2027
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21A102102700
New Jersey Office of the Attorney General
Division of Consumer Affairs
BOARD OF ARCHITECTS
COLIN MCLAIN
Registered Architect

07/27/2025 TO 07/31/2027
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Signature of Licensee/Registrant/Certificate Holder

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LICENSE/REGISTRATION/CERTIFICATION #

Signature of Acting Director
ACTING DIRECTOR

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NEWARK, NJ 07101

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COLIN MCLAIN
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EXPIRATION DATE 2027

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CORRESPONDENCE

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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.



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

Resumes:

Survey

Construction Management/Inspection

GIS/CAD



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

SCOTT F. LOPERT, P.L.S.
Senior Project Manager
Chief of Surveys

PROFESSIONAL

Experience:

Mr. Lopert has more than forty-six (46) years of experience in land surveying and engineering, with over thirty (36) of those years as a licensed land surveyor. Mr. Lopert's previous positions have ranged from State Bridge Inspection to Field Party Chief and Survey Division Manager overseeing the operations of several survey offices. Mr. Lopert has also served in the capacity of a Field Crew Chief and Senior Project Manager on several active projects for the firm.

His broad range of experience encompasses all areas of surveying including highway, outbound, title, heavy construction, site and street as-builts, control and GPS. His duties have covered a project from its original inception, preparing proposals, research, computer calculations and setup, performing the field work, final office calculations, preparation of final AutoCAD drawings, final review and signing of plans.

Mr. Lopert assists the office in plan reviews, drafting, and writing of legal descriptions, the preparation of pre-boundary calculations for field crews on survey and construction projects, boundary resolutions and generating client cut sheets. His research includes hands-on deed and map research. Mr. Lopert has worked on projects for SEPTA and has completed Amtrak's Safety Orientation program. Mr. Lopert has been involved with office management to ensure accurate data drafting and timely delivery of reports to project engineers and clients.

Additional responsibilities have included attending staff meetings, managing project invoicing, coordination of field crew schedules and mentoring field personnel conducting in-house training on critical topics and offering direct support on specialized projects.

Mr. Lopert is also a photographer, Adobe Certified Expert in Photoshop and has served as a speaker and instructor. He is also a Certified FAA sUAS Part 107 Drone Pilot.

REGISTRATION:

New Jersey Professional Land Surveyor # 24GS03537900
FAA sUAS Certificate No. 4475738
National Association of Photoshop Professionals # 47320

OTHER:

Former Vice-Chairman to Burlington City Planning and Zoning Board

EDUCATION

West Virginia University, Civil Engineering Program
Belmont Technical College, Ohio- Associate in Civil Engineering, Certificate in Surveying
Rutgers University, New Brunswick - Drainage Calculations, G.P.S. Adjustments
Miscellaneous courses and seminars on Survey Law, Survey Calculations, Network Adjustment, Management, G.P.S. Surveying and Instrument Repair.

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New Jersey Office of the Attorney General
Division of Consumer Affairs**

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HAS LICENSED

**SCOTT FREDRICK LOPERT
1020 LINCOLN AVENUE
BURLINGTON NJ 08016-2523**

FOR PRACTICE IN NEW JERSEY AS A(N): **Professional Land Surveyor**

04/07/2024 TO 04/30/2026
VALID

24GS03537900
LICENSE/REGISTRATION/CERTIFICATION #


Signature of Licensee/Registrant/Certificate Holder


ACTING DIRECTOR



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

J. RONALD DATZ, PLS
Senior Project Manager/Designer
ASCE Engineering Grade V

PROFESSIONAL

Experience:

Mr. Datz is a New Jersey Licensed Land Surveyor with more than Fifty (50) years of experience in highway technology. Ron previously worked for the New Jersey Department of Transportation, Division of Design for 20 years beginning in field survey and advancing to a position of Principal Engineer/Transportation.

Ron's prior experience also includes serving as a Project Manager in highway design for a New Jersey engineering consulting firm and as Chief of Survey for private construction contractors on a number of projects in the tri-state area.

At Alaimo Group, his duties cover projects from original inception, deed/record research, property maps, computer calculations and setups, fieldwork, office calculations, drafting, final design review, signing of final survey plans, and municipal roadway design. Mr. Datz has been with Alaimo Group since 2000.

Registration:

Land Surveyor - New Jersey - License No. GS 36719-1991

Memberships:

New Jersey Society of Professional Land Surveyors
Surveyors Association of West Jersey
American Society of Highway Engineers
American Society of Civil Engineers
Garden State Land Surveyors Alliance

EDUCATION

Rutgers University - New Brunswick, New Jersey - AA Civil Technology - 1971
Various CEU Seminars in Land Surveying

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**JAMES R. DATZ
156 FRIENDSHIP ROAD
SOUTHAMPTON NJ 08088-8588**

FOR PRACTICE IN NEW JERSEY AS A(N): **Professional Land Surveyor**

03/05/2024 TO 04/30/2026
VALID


Signature of Licensee/Registrant/Certificate Holder

24GS03671900
LICENSE/REGISTRATION/CERTIFICATION #


ACTING DIRECTOR



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

RYAN DESAI, P.E., P.L.S.
Senior Project Engineer / Survey Coordinator

PROFESSIONAL

Experience:

Mr. Desai is a Professional Engineer and Professional Land Surveyor with a broad range of experience in civil engineering, municipal projects, and surveying. He has a proven track record in project management, roadway design, bridge replacement, land development, and construction oversight. His expertise includes managing zoning analysis, site design, grading, drainage, soil erosion control, and stormwater management for a variety of commercial and infrastructure projects. Mr. Desai has been responsible for preparing and reviewing detailed construction plans, including grading, drainage, utility, and landscaping plans, to ensure all projects comply with local ordinances and regulations.

He has extensive experience managing survey field crews, processing field data for accuracy, and preparing construction plans using MicroStation for NJDOT projects. His responsibilities have included overseeing the replacement of guiderails, milling and repaving of highways, and the replacement of bridges across New Jersey. In addition, he has developed and managed proposals for NJDOT projects, further demonstrating his technical proficiency and leadership.

Mr. Desai's experience extends to site planning and the review of zoning regulations, including detailed analysis of zoning requirements, existing conditions plans, and construction documents. He has worked extensively on municipal projects, ensuring that submitted plans adhere to township regulations. Recent projects include zoning analysis, site design, and planning board support for developments such as the QuickChek project in Totowa and the Strong and Shapely Gym redevelopment in East Rutherford.

Additionally, Mr. Desai's work in water resources has involved dam inspection, stream restoration, dredging feasibility studies, and sediment analysis. He has applied his skills in hydrographic mapping, hydraulic modeling, and sediment disposal evaluations to support environmental projects, delivering practical, cost-effective engineering and surveying solutions.

Mr. Desai has also contributed to municipal projects at Alaimo Group, where he was responsible for conducting in-depth zoning analysis and reviewing site plans, lighting plans, grading, drainage, stormwater management reports, and construction details. His recent municipal project experience includes the Tris Pharmacy development in South Brunswick and the 167 Cohawkin Road development in East Greenwich Township. For both projects, Mr. Desai provided zoning analysis, reviewed the existing conditions plan, site plan, grading plan, stormwater management plan, environmental assessments, and all relevant construction documents, ensuring compliance with local codes.

His ability to integrate civil engineering and surveying expertise allows him to deliver comprehensive, high-quality results on complex projects, ensuring that they meet both technical specifications and regulatory requirements

Registration:

Professional Engineer, State of New Jersey
Professional Land Surveyor, State of New Jersey

EDUCATION

New Jersey Institute of Technology, Newark, NJ
Bachelor of Science in Surveying Engineering Technology, May 2021
Bachelor of Science in Civil Engineering, May 2019

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Ryan Desai
25 Orchard Lane
Marlton NJ 08053

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Ryan Desai
Professional Land Surveyor

06/10/2024 TO 04/30/2026
VALID
SIGNATURE
Cari Zois
ACTING DIRECTOR
24GS04347200
License/Registration/Certificate #

06/10/2024 TO 04/30/2026
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Ryan Desai
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Cari Zois
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Ryan Desai
25 Orchard Lane
Marlton NJ 08053

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Ryan Desai
Professional Engineer

06/21/2024 TO 04/30/2028
VALID

SIGNATURE

24GE06098800

License/Registration/Certificate #

ACTING DIRECTOR

06/21/2024 TO 04/30/2028
VALID

Ryan Desai
Signature of Licensee/Registrant/Certificate Holder

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LICENSE/REGISTRATION/CERTIFICATION #

Cari Zain
ACTING DIRECTOR

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*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

JAMES MUSHINSKI

Field Party Chief

PROFESSIONAL:

Experience:

Mr. Mushinski joined Alaimo Group in April, 1995 and has worked in our Field Surveying Department for twenty-nine years. He started as a rodman and under the guidance of a Licensed P.L.S. quickly acquired the title of Transit Man where he continued his studies learning how to use equipment ranging from traditional transits up to the modern GPS and robotic total stations. He easily stepped into the position of Junior Party Chief when the opening became available, where he has remained a key element to the success of the survey department running his own crews on a wide variety of jobs.

Mr. Mushinski's surveying work background includes various Municipal, County, State and Federal projects including the layout and surveying of highways, bridges, wastewater treatment plants, landfills, dam construction, water and sewer extensions and boundary and topographic route surveys.

EDUCATION:

Burlington County Institute of Technology, Electrical, Welding Courses
GPS Surveying Practice Course
AMTRAK Safety Orientation Course



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

ALEX GONZALEZ Fieldman

PROFESSIONAL:

Experience:

Mr. Gonzalez has been a valued member of our Field Surveying Department since 2018. His professional experience encompasses a wide range of Municipal and County projects.

His specific contributions have included the surveying and layout of highways, bridges, wastewater treatment facilities, landfills, dam construction, water and sewer system expansions, as well as boundary and topographic route surveys.

As a Fieldman Mr. Gonzalez performs duties utilizing Topcons, TSC3, TSC5, Trimble total stations, Tidal gauges, optical levels, R10 and V980 Rovers.

Mr. Gonzalez assists in office utilizing Civil 3D to plot points that were taken on various sites. Use tax maps, for deciphering and plotting boundary lines. Tool Calibration.

Mr. Gonzalez has been a key element in the success of a wide variety of projects that have included the following:

- Pump Station Restoration and Expansion
- Park Rehabilitation
- Addition and Removal of Parking Garages and Lots
- Bridge and Culvert Repairs

EDUCATION:

Penn Foster University: Computer Aided Drafting and Design 2023-24

Electronics Courses, Burlington County College



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

JOHN B. NAGLE, PE
Senior Project Engineer/Construction Manager

PROFESSIONAL

Experience:

Mr. Nagle has fifty (50) years of experience in civil engineering and heavy construction. Heavy construction project experience has included sanitary sewer, water and storm drainage pipelines including installation, repair and relining, utility ducts and manholes, sewerage and water treatment plants and pumping stations, road and bridge construction, dewatering, braced excavations and cofferdams, environmental remediation and cleanup, site development, and marine construction including piling, bulkheads, subaqueous crossings, and jetties along the East Coast from New Jersey to Florida.

Since joining the Alaimo Group in 1999, Mr. Nagle has been the supervisor of the Construction Management and Field Services Departments. Working with a staff of Construction Managers and certified field inspectors, he is responsible for overseeing all ongoing construction projects, in both the Municipal and Private sector, throughout the company's area of operation.

Major projects with the Alaimo Group have included: construction of roads; construction and rehabilitation of bridges; new construction, rehabilitation, and expansions of sewerage and water treatment plants; redevelopment and construction of new wells; construction of several new sewerage collection systems with pumping stations and force mains including construction of a 90,000 LF sanitary sewerage system including eight pumping stations and total road reconstruction for Hainesport Township; construction of leachate recovery systems and new cells for various landfills; relining and rehabilitation of sanitary sewers and force mains; installation of solar generating systems; repainting and rehabilitation of elevated storage tanks; and construction of parks and recreational facilities.

Registration:

Registered Professional Engineer - State of New Jersey #35761

EDUCATION

Villanova University, Villanova, PA, Bachelor of Mechanical Engineering 1971

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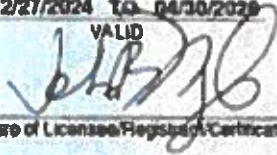
HAS LICENSED

**JOHN B. NAGLE
43 Ross Way
Marlton NJ 08053**

FOR PRACTICE IN NEW JERSEY AS A(N): Professional Engineer

02/27/2024 TO 04/30/2028

VALID



Signature of Licensee/Registered Certificate Holder

24GE03576100

LICENSE/REGISTRATION/CERTIFICATION #



ACTING DIRECTOR



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

BRIAN A. LAFFERTY, SET, NJSAT **Senior Project Manager**

PROFESSIONAL

Experience:

Brian Lafferty has over thirty-two (32) years of experience in the Construction field. Prior to joining Alaimo Group, he served as a supervisor for a major roadway construction company. Mr. Lafferty managed the successful completion of multi-million dollar projects under contract to the New Jersey Department of Transportation. His experience as Project Manager includes the widening and reconstruction of Route 130 and Route 73 in Burlington County. The combined construction cost of these projects was \$5.5 million. Mr. Lafferty also served as Alaimo Group's Resident Engineer for three (3) Ocean County Intersection and highway projects with a total construction cost of \$6.0 million.

Since joining the Alaimo firm he has gained valuable experience as a member of our Construction Management staff. His duties have included conducting road condition surveys to support required design, the observation of construction in major roadway improvements for our municipal clients, verifying the work of construction contractors, reviewing request for payment and determining conformance to the approved plans and specifications. Brian is certified in Highway Construction as a NICET Level IV.

Registration:

National Institute for Certification in Engineering Technologies - Cert. #107695
Highway Construction – Level IV
New Jersey Society of Asphalt Technologists

EDUCATION

Mount St. Mary's College
New Jersey Highway Authority Training Seminars
Occupational & Safety Health Act Seminars



Credential Verification

Search by: *

Certification ID

CertificationID

Enter the individual's Certification ID

Certificate Number *

107695

() denotes a required field*

Submit

Matched Results

Last Name	First Name	Credential Type	Credential #	Effective Date	Expiration Date
Lafferty	Brian	Highway Construction Inspection Level III	107695	2003-03-27	2027-04-01
Lafferty	Brian	Highway Construction Inspection Level IV	107695	2003-09-05	2027-04-01

Total Results: 2



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DAVID DUNMYER **Senior Project Manager**

PROFESSIONAL

Experience:

Mr. Dunmyer is a Senior Construction Project Manager with over 15 years of experience in civil infrastructure, environmental, architectural, and structural engineering. His background includes managing large-scale Municipal and Public Sector projects with budgets reaching up to \$200 million.

He is skilled in leading construction operations from project initiation through commissioning and close-out, using platforms such as AutoCAD, Bluebeam, Revit, Procore, Primavera P6, and Microsoft Office Suite.

He has collaborated with high-profile clients including NJIT, NJDOT, NJDEP, overseeing scope development, budgeting, scheduling, subcontractor coordination, and compliance with safety and regulatory standards.

Mr. Dunmyer's experience includes managing projects, ensuring adherence to design and contract documents and maintaining daily site coordination. He has led projects from conception to completion, including procurement, cost forecasting, contract negotiations, and safety enforcement, procedures and preventative maintenance.

Mr. Dunmyer's previous experience as a Supervisor of Construction Inspection, included overseeing inspection teams on NJDOT and NJDEP projects. In an earlier role as a Field Superintendent, he managed union and non-union contractors. He began his career as a Designer and Inspector on major infrastructure projects.

Mr. Dunmyer's broad technical knowledge and leadership in safety and compliance make him a valuable asset across all phases of construction and infrastructure development.

Certifications & Training

- OSHA 30-Hour Construction Safety Certification
- OSHA Confined Space
- NICET Level IV Certification
- Bluebeam Training
- Procore Training
- Primavera P6 Training

EDUCATION

Bachelor of Science in Environmental Engineering, University of Buffalo, NY



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Water and Sewer Lines Level IV

Certification Number **134909**

Valid Through **2027-09-01**

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*Richard A. Alaimo Associates
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KYLE PEARSON

Construction Specifier/Project Manager

PROFESSIONAL

Experience:

Mr. Pearson joined Alaimo Group in May of 2018 and quickly took on the role of lead construction specifier within our Specification Department. In this role he has gained valuable experience in developing and coordinating comprehensive construction contracts for multi-million-dollar commercial, institutional, and infrastructure projects. He is skilled in collaborating with architects, engineers, and contractors to ensure accurate project documentation that meets industry standards and client requirements. Recognized for technical accuracy, attention to detail, and ability to deliver high quality specifications that drive successful project outcomes. He has conducted product and material research, evaluated performance data, and mentored junior staff on proper specification writing techniques and industry best practices.

Mr. Pearson has also gained experience in both planning and design covering all aspects of the civil, sanitary, mechanical, electrical, environmental and structural engineering disciplines. In addition to his role as a specifier, he has taken on several other responsibilities while working as a Project Manager at the firm. Some of those responsibilities include resolving issues, attending meetings, designing, planning, estimating, permitting, preparing reports, reviewing shop drawings and submittals, as well as some Field Service Representative work. Some of Mr. Pearsons' core competencies include technical writing and editing, project coordination and review, building codes and standards (IBC, ASTM, NFPA), contract administration, quality assurance, risk mitigation, NJDOT Standard Specifications, CSI Master Format, AutoCAD, Revit, Bluebeam, and Microsoft Office Suite.

Along with preparing all Alaimo group specifications, a sample of some of Mr. Pearson's recent work includes but is not limited to:

- Burlington County Resource Recovery Complex
 - Landfill No. 3 Planning and Design, Solid Waste Permit Renewal, Annual Topographic Survey and Report
- Salem County Improvement Authority
 - Quarterly Solid Waste Reports, Landfill Cell 10 and Quality Control Review, NJDEP Monthly Monitoring Report Forms
- Salem County
 - Plans and Specifications for County Road Improvement Projects, NJDOT PMRS submittals and approvals
- Passaic County
 - PVHS Operating Air Permit, NJDEP Annual Combustion Report
- Pilesgrove Township
 - Groundwater monitoring review and reporting

EDUCATION

Associate of Science, Rowan College, 2015

Bachelor of Science in Industrial & Systems Engineering, Rutgers University, 2018



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

NATHANIEL E. VIZZI, CET, NJSAT
Chief Field Services Supervisor

PROFESSIONAL

Experience:

Mr. Vizzi joined the Alaimo Group in 2014 as an experienced Field Services Representative having prior Resident Engineer and Inspection experience with NJDOT for five (5) years followed by another year with the firm PRIME AE Group for primarily Bridge and Roadway projects. Since joining Alaimo Group, Mr. Vizzi's experience in the observation of Bridge and Roadway construction continues, but his background has expanded to include other municipal and utility authority infrastructure projects such as Water and Wastewater replacements, repairs and improvements.

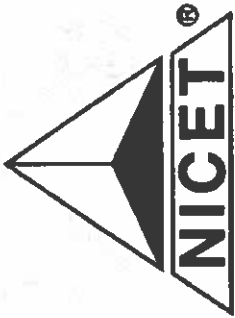
Examples of Mr. Vizzi's Roadway and Bridge experience includes a portion of Ocean County's Route 526 Reconstruction and Resurfacing Project; extensive reconstruction of Rail and Track bed as well as Structural and Drainage oversight along the Salem Branch Line; numerous Local Road Program paving projects for various Municipalities throughout several Counties; rehabilitation of the multi-span twin bridge superstructures, deck joints and approach and transition slabs at Route 896 over I-95; and, also for I-495 over Stoney Creek Delaware; and, substructure and full superstructure replacement for five (5) bridges along the Bellmawr/West Deptford I-295 corridor. Additionally, Mr. Vizzi has provided construction oversight to the Digester Rehabilitation, Primary Clarifier Structural Repairs, and Pump Station Replacements at the Willingboro MUA; construction oversight of multiple Signalized Intersection Upgrades, single span Overpass Bridge and Culvert Structure Replacements in Middlesex County; along with numerous municipal sidewalk, roadway, ADA, watermain, sewer main, force main, storm sewer, residential and commercial land development projects.

Registration:

National Institute for Certification in Engineering Technologies - Cert. #138407
Highway Construction - Level IV
New Jersey Society of Asphalt Technologists

EDUCATION

B.S. Civil Engineering, Rowan University, 2008
A.S. Engineering Science, Camden County College, 2005



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Nathaniel E. Vizzi

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Level IV

IN HIGHWAY CONSTRUCTION INSPECTION

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Certification Valid Through 7/1/2026

CERTIFICATION NUMBER 138407

Jinda M. Biernacki

CHAIRMAN OF THE NICET BOARD OF GOVERNORS

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*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

JOHN G. SHAW, CET
Field Services Representative
ASCE Engineering Grade III

PROFESSIONAL

Experience:

John Shaw is a field services representative with responsibilities for the observation of construction to determine conformance with approved plans and specifications. In this capacity, his services include inspection of construction being performed by contractors for projects designed by the Alaimo Group or others for our municipal utilities authorities and governmental clients; and for work being done for developers in municipalities for which Alaimo represents the governing body, planning board, or utilities authority. Typical work includes roads and pavements, both asphalt and concrete; base and sub-base preparation; curbs and sidewalks; storm water, sanitary sewer and water main piping systems; site drainage and culverts; soil erosion control; storm detention and retention basins; landfill construction; geotechnical fabrics; landscaping; and general site improvements.

John previously worked in the Alaimo Group's field survey department and has had experience in construction layout, outbound property surveys and a major pipeline, dam and roadway projects.

Mr. Shaw has served as Alaimo Group's Field Representative at several New Jersey landfills and is familiar with the inspection of clay liners and geomembranes. QA inspector roles include the Hopatcong Landfill and the Cumberland County Landfill. He also provided inspection services to the Burlington County Resource Recovery Complex and the Salem County Solid Waste Facility.

Mr. Shaw has also served as Field Representative on the Garden State Parkway for New Jersey Highway Authority projects with construction values in excess of \$5 million. These projects included deck repairs, milling of asphalt pavement, bridge deck joints, substructure and superstructure concrete repairs, curb replacement, expansion joint replacement, waterproof deck and resurfacing.

Registration and Certification:

National Institute for Certification in Engineering Technologies, Cert. #80655

Highway Construction - Level III

Underground Utilities - Level III

Survey - Level II

Soil Erosion - Level II

NJHA - Work Zone Safety Certificate



Credential Verification

Search by: *

Certification ID

CertificationID

Enter the individual's Certification ID

Certificate Number *

80655

() denotes a required field*

Submit

Matched Results

Last Name	First Name	Credential Type	Credential #	Effective Date	Expiration Date
Shaw	John	Highway Construction Inspection Level II	80655	1992-02-11	2028-10-01
Shaw	John	Highway Construction Inspection Level III	80655	1993-12-16	2028-10-01

Total Results: 2



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

DARYL BRONZEILL

Senior Project Manager/Field Services Representative

PROFESSIONAL

Experience:

Daryl Bronzeill is a NICET Certified, seasoned and efficient construction professional with 20+ years of experience in construction and management. Mr. Bronzeill possesses comprehensive knowledge and proficiency in a wide range of construction specialties. Typical work includes bridge and roadway, both asphalt and concrete; base and sub-base preparation; curbs and sidewalks; storm water, sanitary sewer and water main piping systems; site drainage and culverts; soil erosion control; storm detention and retention basins; landscaping; and general site improvements.

As a Senior Project Manager Mr. Bronzeill's duties have included; project management from bid to close out for projects ranging \$100K to \$14M to include budget management, contract administration and quality management, reviewing contract documents, bonds, insurance certificates, plans and specifications, coordination of preconstruction meetings with clients and contractors, reviewing and processing submittals, payments and change orders. Acting as a liaison with Project Managers, Design Professionals, Contractors, and regulatory bodies to ensure smooth execution of construction and major capital improvement projects.

In the capacity of a Construction Inspector, Mr. Bronzeill tasks have included resolving issues regarding the performance of work with the contractor and coordination with Engineers, Project Managers, City, Township and MUA Officials on the correction of any discrepancies or project changes, preparation of detailed daily reports, punch-lists and final inspections for project performance and maintenance bond release

Certifications:

- NICET – Level I – Certification #149886
- Construction Safety and Health Specialist
- Construction Site Supervisor
- OSHA 30 Certification
- NFPA Hazardous Materials Operation Certification
- NJHA - Work Zone Safety Certificate
- FEMA NIMS IS-100.B
- FEMA NIMS IS-200.B
- FEMA NIMS IS-701.A
- FEMA NIMS IS-702.A



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Highway Construction Inspection Level I

Certification Number **149886**

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*Richard A. Alaimo Associates
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Consulting Engineers*

FRANK (BARRY) NIPPINS, CET, NJSAT **Field Services Supervisor**

PROFESSIONAL

Experience:

Mr. Nippins joined the Alaimo Group in 1988 with responsibilities for observation of construction to determine conformance with approved plans and specifications. In this capacity, his services include construction performance by contractors for projects designed by the Alaimo Group for municipal utilities authorities, and governmental, and school district clients, and for work performed by developers in municipalities for which Alaimo represents the governing body, Planning Board, or utilities authority. Typical work includes roads and pavements, both asphalt and concrete; base and subbase preparation; curbs and sidewalks; storm water, sanitary sewer and water main piping systems; site drainage and culverts; soil erosion; storm detention and retention basins; geotechnical fabrics; landscaping; and general site improvements

Barry was Alaimo's field representative for the renovation of four (4) schools for the Mount Holly Township Board of Education, including replacement of bathroom plumbing from piping to fixtures, new roof replacements, replacement of all exterior windows and doors, new stage and lighting, repainting of buildings, new fire alarm systems, new concrete entranceways, and new floor and ceiling systems - a total of 2.8 million dollars worth of contract work. Barry was also the field representative for roof replacements at four (4) school district buildings for the Voorhees Township Board of Education with a combined construction cost of over \$4,000,000.

Recently, Mr. Nippins provided field representative services for a complex Architectural and Engineering Project for the North Church Street Water Treatment Plant in Moorestown, NJ which was completed in 2019 with a construction budget of \$15,000,000. The roof of the water treatment building has many levels to accommodate tanks of varying heights. This project included the addition of a filter building as well with a sloped roof consisting of insulated metal roof panels.

Registration:

NJSAT Certified Asphalt Technologist

EDUCATION

Burlington County Vocational/Technical School, Construction Certification, 1975
State University of New Jersey, Rutgers, Certificate for Work Zone Safety, 1992



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

RICHARD BRAVERMAN **Coordinator Field Services**

PROFESSIONAL

Experience:

Mr. Braverman is an exceptionally experienced and versatile Field Services Representative with well over thirty years (35) years of experience in construction management, inspection and observation. For twelve years as a Construction Foreman his responsibilities included installing pensions, water and sewer, main lines, and storm water collection systems throughout southern New Jersey.

Mr. Braverman strives for respect and pride in workmanship. Throughout the years, his background has expanded to include other municipal and utility authority infrastructure projects such as Water and Wastewater replacements, repairs and improvements.

Most recently, Mr. Braverman served as a Senior Project Construction Manager for a PFOS Water Treatment Facility in East Greenwich, New Jersey.

Specific examples of construction oversight project experience are as follows:

2.5 years as Head Inspector of A 5 MGD Upgrade to the Mount Holly Sewer Treatment plant.

15 years as Chief Inspector for Alaimo engineers maintaining and educating a 12 man inspection department.

Additional experience has included 10 years as general Superintendent for roads and utility construction.



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

ROBERT MAC CLAY **CAD/GIS Department Head**

PROFESSIONAL

Experience:

Mr. Mac Clay has more than thirty-nine (39) years of experience in the preparation of civil and structural design drawings. In his thirty-seven (37) years with the Alaimo Group, he has been assigned primary responsibility for the preparation of contract drawings for several major projects including Landfill No. 2 at the Burlington County Resource Recovery Complex; the Evesham Municipal Utilities Authority Wastewater Treatment Plant Upgrade; the Evesham Township Landfill Closure Plan; design plans for Deerwood Country Club Estates and numerous other civil and structural design drafting projects. He is strongly proficient with the latest version of AutoCAD as well as related CAD software.

Mr. Mac Clay was responsible for the preparation of the GIS database for Middlesex County using ArcGIS software. This project involved compiling geographic database information from several sources regarding known contaminated sites, correcting the data locations based on cross references with aerial photos and property ownership records; building attribute tables with all known site information; and categorizing sites based on the nature of the contamination. The output from the inventory mapping project were county, study area, and municipal maps indicating the accurate location, identification, and categorization of known contaminated sites. The attribute tables associated with these inventory maps contained all readily available information regarding ownership, size, and other site information.

Mr. Mac Clay created and is responsible for the maintenance of Mount Laurel Township Municipal Utilities Authority and South Brunswick Township Water and Sewer Department GIS Water and Sewer projects. Mr. Mac Clay was responsible for the collection of as-built information from record plans, coordination with our Survey Department in locating existing facilities using GPS equipment and attach various attribute information to create a GIS data base that was easily useable for Mount Laurel Township Municipal Utilities Authority and South Brunswick Township Water and Sewer Department personnel. He is also responsible for the preparation of the GIS resource and aerial orthophotographs mapping which are used in all of the Alaimo Group's Land Use Permitting and Environmental Site Assessments.

EDUCATION

American Institute of Drafting; Drafting and Design Technology, AA Degree 1985

Rutgers University, 1998

Rutgers University, Fundamentals of GIS, 1999

Rutgers University, Desktop Mapping with ArcView, 1999

ESRI, Introduction to Arc GIS I, 2004

Autodesk, Transitioning to AutoCAD, 2007

AutoCAD, MEP, 2020

AutoCAD, Civil 3D, 2020



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers*

CRAIG F. CONNOLLY, JR.

Senior Project Manager/Designer/AutoCAD

PROFESSIONAL

Experience:

Mr. Connolly has over thirty (30) years of experience with AutoCAD and is familiar with Civil 3D, ArcGIS and Microsoft Office. He has performed the following tasks in AutoCAD: drawing/designing miscellaneous piping and system details, survey plans, site plans, grading plans, general property parcel maps, subdivision plans, and template modifications.

Mr. Connolly has over fifteen (15) years of experience in civil design work. He has performed the following tasks in Civil 3D: importing survey information, creating surfaces, alignments, profiles and cross-sections and has been involved with the design layout and grading of roadwork, curbing, house staking. Mr. Connolly has designed various grading plans, easement plans, and as-built conditions plans. He has designed and graded various private sites for development, including the layout, parking, and drainage.

Mr. Connolly performs the sanitary sewer and water distribution reviews for the following Townships, Evesham M.U.A., Mount Laurel M.U.A., Cinnaminson Sewerage Authority, Florence Township, Willingboro M.U.A., and others. He has also created easement plans, general property parcel maps and record drawings for various other Townships. Mr. Connolly has assisted in the design of water main/sanitary sewer main replacement drawings.

EDUCATION

American Institute of Design, Philadelphia, PA, 1989-1991
Degree: Associate in Specialized Technology Degree
Grades: Maintained an "A" average
Awards: Full Scholarship for first year



Richard A. Alaimo Associates (Alaimo Group)
Consulting Engineers/Architects

Client List

Municipal

Atlantic City BOE
Barnegat Township
Berkeley Township
Berkeley Township
Sewerage Authority
Berkeley Township MUA
Beverly City
Bloomfield Township
Bloomingdale Borough
Bordentown City
Bordentown Township
Burlington City
Burlington Township
Camden, City of
Carneys Point Township
Cinnaminson Sewerage
Authority
Cinnaminson Township
Delran Sewerage Authority
Delran Township
Deptford MUA
Deptford Township
Dumont Borough
East Greenwich
East Rutherford Township
Edgewater Park Sewerage
Authority
Edgewater Park Township
Elmwood Park Borough
Evesham MUA
Evesham Township
Florence Township
Franklin Township
Glassboro Borough
Greenwich Township
Hackensack
Hainesport Township
Haledon Borough
Hamilton Township
Jackson Township
Jackson MUA
Jersey City
Jersey City MUA
Lakewood MUA
Lenape Regional School District
Linden, City of
Little Falls
Logan Township MUA
Lumberton Township
Maple Shade Township

Manchester Township
Medford Township
Medford Lakes Borough
Monroe Township (Gloucester)
Monroe Township (Middlesex)
Moorestown Township
Morristown
Mount Holly MUA
Mount Holly Township
Mount Laurel MUA
Mount Laurel Township
North Arlington Borough
Newark, City of
Ocean Township
Paterson, City of
Pemberton Township
Pemberton Township MUA
Pilesgrove Township
Piscataway Township
Pompton Lakes Borough
Prospect Park Borough
Ringwood Borough
Riverside Township
Riverside Sewerage Authority
Riverton Borough
Southampton Township
South Brunswick Township
Stafford Township
Summit, City of
Tabernacle Township
Totowa Borough
Toms River Township
Vineland, City of
Voorhees Township
Washington Township (Gloucester)
Wanaque Borough
Westampton Township
West Deptford Township
West Windsor Township
Woodbridge Township
Woodland Park Borough
Wildwood, City of
Willingboro MUA
Woolwich Township

County

Bergen County Utilities Authority
Bergen Co. Commissioners
Bergen Co. Improvement Authority
Burlington Co. Commissioners
Burlington Co. Special Services
School District

Burlington County Institute of
Technology
Camden County Commissioners
Cumberland County Improvement
Authority
Essex County Commissioners
Essex County Improvement
Authority
Essex County Vocational School
Gloucester County Commissioners
Gloucester County Improvement
Authority
Middlesex County Commissioners
Middlesex County Utilities
Authority
Morris County Commissioners
Morris County Utilities Authority
Ocean County Commissioners
Ocean County Utilities Authority
Passaic County Commissioners
Passaic County Community College
Passaic County Utilities Authority
Salem County Commissioners
Salem County Improvement
Authority
Somerset County Commissioners
Union County Commissioners

State

New Jersey Division of Property
Management and Construction
New Jersey Department of
Transportation
New Jersey Department of Treasury
New Jersey Economic Development
Authority
New Jersey Turnpike Authority
New Jersey Schools Development
Authority
South Jersey Transportation
Authority
Pennsylvania Turnpike Commission

Regional

Delaware River and Bay Authority
Delaware River Port Authority
Delaware Valley Regional Planning
Hackensack Water Company
Jersey City Redevelopment
Authority
North Jersey District Water Supply
Passaic Valley Sewerage
Commissioners



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

References

Burlington Township

851 Old York Road
Burlington, NJ 08016
Scott Hatfield, P.E., Engineer
(609) 239-5891
shatfield@twp.burlington.nj.us

Cinnaminson Sewerage Authority

1621 Riverton Road
Cinnaminson, NJ 08077
Kimberly Fitzpatrick, Administrator
kfitzpatrick@cinnaminsonsewerage.org
(856) 829-5287

East Greenwich Township

159 Democrat Road
Mickleton, NJ 08056
James R. Philbin, Jr., Mayor
(856) 423-0654 Ext. 8102
jphilbin@eastgreenwichnj.com

Evesham Municipal Utilities Authority

100 Sharp Road
Marlton, NJ 08053
Edward T. Waters, Jr., Chairman
ewaters@eveshammua.com
(856) 983-1878

Lacey Township

818 W. Lacey Road
Forked River, NJ 08731
Veronica Laureigh, Administrator
(609) 693-1100 Ext. 2235
admin@laceytownship.org

Mount Holly Township

23 Washington Street
Mount Holly, NJ 08060
Joshua Brown, Township Manager
(609) 845-1163
jbrown@twp.mountholly.nj.us

Mount Holly Municipal Utilities Authority

1 Park Drive
Mount Holly, NJ 08060
Richard DiFolco, Chairman
rdifolco@twp.mountholly.nj.us
(609) 267-0015

Mount Laurel Township

750 Centerton Road
Mount Laurel, NJ 08054
Meredith Riculfy, Clerk/Manager
(856) 234-0001 Ext. 1233
mriculfy@mountlaurel.com

Salem County Commissioners

110 Fifth Street
Salem, NJ 08079
Benjamin Laury, Commissioner
(856) 935-7510
blaury@bensproserv.com

South Brunswick Township

540 Ridge Road
Monmouth Junction, NJ 08852
Bryan Bidlack, Manager
(732) 329-4000 Ext. 7301
bbidlack@sbttnj.net

Southampton Township

5 Retreat Road
Southampton, NJ 08088
Brandon E. Umba, Township Administrator
(609) 859-2736 Ext. 2100
bumba@southamptonnj.org

Westampton Township

710 Rancocas Road
Westampton, NJ 08060
Sandy V. Henley, Mayor
(609) 267-1891
shenley@westampton.com



*Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects*

ENGINEERING AWARDS

<i>Project/Award</i>	<i>Granting Organization/Date</i>
Well 5A PFOS Treatment System Upgrade Willingboro Municipal Utilities Authority	New Jersey Alliance for Action Leading Capital Construction Projects Award, 2023
Well 5A PFOS Treatment System Upgrade Willingboro Municipal Utilities Authority	New Jersey Alliance for Action Distinguished Engineering, 2022
Moorestown North Church Street WTP Upgrade Township of Moorestown	New Jersey Society of Municipal Engineers 1 st Place, Municipal Design Award, 2021
Twin Boro Field Remediation and Reconstruction Borough of Dumont	New Jersey Society of Municipal Engineers Honor Place Award, 2013
Maple Avenue Wastewater Treatment Plant Mount Holly Municipal Utilities Authority	Consulting Engineers Council of New Jersey Distinguished Award, 2013
Sesselman Park Extension Borough of East Rutherford	Consulting Engineers Council of New Jersey Distinguished Award, 2011
Elbo Lane Water Treatment Plant Mount Laurel Township MUA	Consulting Engineers Council of New Jersey Distinguished Award, 2009
Reconstruction of Upper and Lower Aetna Dams Borough of Medford Lakes	New Jersey Society of Municipal Engineers Project of the Year, 2007
Tabernacle Road Pedestrian Bridge Borough of Medford Lakes	New Jersey Society of Municipal Engineers Project of the Year, 2005
Outstanding Member Company Overall projects	Association of Environmental Authorities Wave Award, 2005
Sanitary Sewer Project Hainesport Township	Consulting Engineers Council of New Jersey Distinguished Award, 2004
Water Pollution Control Facility Florence Township	Consulting Engineers Council of New Jersey Distinguished Award, 2003
Laurel Acres Park Expansion Mount Laurel Township	Consulting Engineers Council of New Jersey Distinguished Award, 2002
Hopatcong Landfill Closure Project Borough of Hopatcong	Consulting Engineers Council of New Jersey Distinguished Award, 2001
Resource Recovery Complex Burlington County Board of Commissioners	Consulting Engineers Council of New Jersey Distinguished Award, 2000
Main Street Thruway Improvement Project Maple Shade Township	Consulting Engineers Council of New Jersey Distinguished Award, 1999
Smithville Dam Replacement Burlington County Board of Commissioners	Consulting Engineers Council of New Jersey Distinguished Award, 1998
Water Pollution Control Facility Hartford Road Mount Laurel Municipal Utilities Authority	Consulting Engineers Council of New Jersey Distinguished Award, 1998
Devonshire Stream Corridor Improvements Mount Laurel Township	Consulting Engineers Council of New Jersey 1998 Distinguished Award
Wastewater Treatment Plant Upgrade Riverside Township Sewerage Authority	Consulting Engineers Council of New Jersey Distinguished Award, 1997
Wastewater Treatment Plant Upgrade Elmwood Plant Evesham Municipal Utilities Authority	U.S. EPA National Operations and Maintenance Excellence Award, 1996
Wastewater Treatment Plant Upgrade Medford Lakes Borough	Consulting Engineers Council of New Jersey Merit Award, 1996
Prickett's Mill Recreation Field Tabernacle Township	New Jersey Society of Municipal Engineers Project of the Year, 1995
Wastewater Treatment Plant Upgrade Delran Township Sewerage Authority	Consulting Engineers Council of New Jersey Merit Award, 1995
Barclay Farms Park Memorial Sports Complex Evesham Township	New Jersey Society of Municipal Engineers Project of the Year, 1994



WELL 5A WATER TREATMENT PLANT UPGRADE

Willingboro Municipal Utilities Authority

Richard A. Alaimo, PE, Project Engineer - Alaimo Group

Capacity: 2.0 MGD

Location: 23 Baldwin Lane, Willingboro, NJ

Water Treatment Plant Upgrade Project

Construction Cost: \$5,257,000.00

GOVERNING BODY

Pat Lindsay-Harvey	Chair - 2023
Carl A. Turner	Chair - 2024
Kevin McIntosh	Vice Chair
Darvis Holley	Commissioner
James S. Boyer	Commissioner
William Weston	Alternate
Diallyo Diggs	Alternate
James J. Mackie	Executive Director



Well 5A Water Treatment Plant



Carbon Adsorption System



Self-Cleaning Pre-Filters

The Well 5A Water Treatment Plant (WTP) is one of four operated by the Willingboro Municipal Utilities Authority. Over the years, the Well 5A WTP has undergone several upgrades. In 1999, the facility was modified with the installation of a new well, well pump, air stripper, and related chemical feed equipment. In 2016, the plant was further enhanced with a radium removal system to eliminate radium and gross alpha from the drinking water. Most recently, in 2022, the plant was upgraded again to remove PFAS from the water supply.

The upgrades included:

Carbon Adsorption System

Two carbon adsorption systems were installed, each consisting of two downflow granular activated adsorption vessels arranged in series, specifically designed for the removal of PFAS and VOCs. The activated carbon used is derived from select grades of bituminous coal, which are robust enough to endure the abrasion caused by repeated backwashing, air scouring, and hydraulic support. This activated carbon can be regenerated up to four times, reducing the cost of media replacement.

Self-Cleaning Pre-Filters

To decrease the need for frequent cartridge filter replacements, a self-cleaning pre-filtration system was installed upstream of the existing cartridge filters. These pre-filters effectively remove suspended solids larger than 25 microns from the process water.



PFAS Treatment Building



NORTH CHURCH STREET WATER TREATMENT PLANT UPGRADE

Moorestown Township

Richard A. Alaimo, PE, Project Engineer - Alaimo Group



NCWTP - 10/19/20 Aerial View Back Side - 10 2100 x 1011 - Greater Band



Radium Removal HI Tanks



NCWTP - 12/7/20 Aerial View Street Side



Calcium Filtration Tanks



Ultra Violet System Room at 1,3 Barriers

2019

Stacey Jordan, Mayor
Manuel Delgado, Deputy Mayor
Michael Locatelli, Councilman
Victoria Napolitano, Councilwoman
Lisa Petriello, Councilwoman

2020

Nicole Gillespie, Mayor
Brian Donnelly, Deputy Mayor
Lisa Petriello, Councilwoman
Michael Locatelli, Councilman
Victoria Napolitano, Councilwoman

Thomas Martheli, Township Manager

GOVERNING BODIES:

The North Church Street WTP is the largest of the Township's three treatment plants, and to our knowledge is the first designed in the State of New Jersey treating for Radium, Gross Alpha, 1,2,3-Trichloropropane (1,2,3-TCP), Trichloroethylene (TCE), Manganese, and 1,4-Dioxane (1,4-D).

Radium Removal System - The cation exchange process is used to remove the radium content found in the water. Removing radium in water significantly reduces the gross alpha (radioactivity) concentrations to regulated levels. After the media is loaded with radium, it is permanently disposed of in a licensed facility.

Pressure Filtration System - The Pressure Filter System has three horizontal pressure filters, each containing three cells. The filters hold a few different media including Anthracite, Synthetic Greensand Plus, Torpedo Sand and Gravel to remove oxidized manganese from the water by process of adsorption and contact oxidation.

UV Advance Oxidation System - Hydrogen peroxide is injected into the water upstream of the UV system where the reagent and influent water is mixed via a static mixer before reaching the UV system. The hydrogen peroxide in conjunction with UV light generates highly reactive hydroxyl radicals (OH) which destroy 1,4-D in the water.

Carbon Adsorption System - Three carbon adsorption system trains, each with two down flow granular activated adsorption vessels in series, were installed for 1,2,3-TCP and TCE removal. The activated carbon is manufactured from select grades of bituminous coal capable of withstanding the abrasion associated with repeated backwash, air scouring, and hydraulic transport.

These systems are supplemented by additional processes, including a Sodium Hypochlorite Chemical Feed System. Sodium hypochlorite is used for surface purification, bleaching, odor

removal and water disinfection. Sodium hypochlorite's advantages include that it can easily be stored and transported. It also produces a residual disinfectant and is as effective as chlorine gas. Zinc Pyrophosphate Chemical Feed System provides for additional corrosion control that acts as an adhesive liner to protect against rusting. NCWTP was restored to the original permitted design capacity of 2.88 MGD (2,000 GPM). All three of the Township's plants together now meet the demand for peak day. The improvements provide for a yearly volume of 1,051 MG.

Water Treatment Plant Project Construction Cost: \$18,791,519



Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects

PLANNING AWARDS

<u>Project/Award</u>	<u>Granting Organization/Date</u>
Morris Canal Greenway Jersey City Redevelopment Agency	New Jersey Planning Officials Achievement in Planning Award, 2018
Medford Lakes Historic Preservation Borough of Medford Lakes	New Jersey Planning Officials Achievement in Planning Award, 2018
Springside School Apartments Adaptive Reuse Project Burlington Township	New Jersey Planning Officials Achievement in Planning Award, 2014 New Jersey Future Smart Growth Award, 2014
Community Design and Water Resource Protection Plan Borough of Medford Lakes	New Jersey Planning Officials Achievement in Planning Award, 2010
Medford Township Route 70 Corridor Smart Growth Plan	New Jersey Planning Officials Achievement in Planning Award, 2004
Redevelopment Plan for Glassboro Central Business District Borough of Glassboro	New Jersey Planning Officials Achievement in Planning Award, 2001
Master Plan Community Design Plan Element Medford Township	New Jersey Planning Officials Achievement in Planning Award, 2001
ADA Facilities Accessibility Survey and Transition Plan Mount Laurel Township	New Jersey Planning Officials Achievement in Planning Award, 2000
Master Plan and Unified Development Ordinance Voorhees Township	New Jersey Planning Officials Achievement in Planning Award, 1999
Senator Haines Redevelopment Plan for Industrial Center Burlington Township	New Jersey Planning Officials Achievement Planning Award, 1997
Wastewater Management Plan Lumberton TDR Amendment Mount Holly Municipal Utilities Authority	New Jersey Planning Officials Achievement in Planning Award, 1997
Evans Mill Pond Nature Preserve Evesham Township	New Jersey Planning Officials Achievement in Planning Award, 1995
Open Space and Natural Resources Management Plan Passaic County	American Planning Association/New Jersey Outstanding Environmental Achievement Award, 1994
Urban Enterprise Zone New Jersey Enterprise Zone Authority Mount Holly Township	New Jersey Planning Officials Achievement in Planning Award, 1994
Comprehensive Watershed Management Study and Plan Eastampton Township	Governor's Award for Outstanding Achievement in Pollution Prevention, 1993
Open Space and Natural Resources Management Plan Passaic County	New Jersey Planning Officials Achievement in Planning Award, 1993
Stormwater Management Plan for Eastampton Township	New Jersey Planning Officials Achievement in Planning Award, 1992
Cooper River Watershed Management Study and Plan Camden County	American Planning Association/New Jersey Outstanding Planning Concept Program and Process Award, 1989



Richard A. Alaimo Associates
(Alaimo Group)
Consulting Engineers/Architects

WATERSHED MANAGEMENT AWARDS

<i>Project/Award</i>	<i>Granting Organization/Date</i>
Water Resource Protection Plan Borough of Medford Lakes	- New Jersey Planning Officials Achievement in Planning Award, 2010
Devonshire Stream Corridor Improvements Watershed Area 19 Mount Laurel Township	- New Jersey Society of Municipal Engineers Project of the Year, 1998 - Consulting Engineers Council of New Jersey Distinguished Award, 1998
Lumberton Amendment Watershed Area 19 Wastewater Management Plan Mt Holly Municipal Utilities Authority	- New Jersey Planning Officials Achievement in Planning Award, 1997
Evans Mill Pond Nature Preserve Watershed Area 19 Evesham Township	- New Jersey Planning Officials Achievement in Planning Award, 1995
Open Space and Natural Resources Management Plan Watershed Area 6 Passaic County	- American Planning Association/New Jersey Outstanding Environmental Achievement Award, 1994
Comprehensive Watershed Management Study and Plan Watershed Area 6 Eastampton Township	- Governor's Award Outstanding Achievement in Pollution Prevention, 1993
Open Space and Natural Resources Management Plan Watershed Area 6 Passaic County	- New Jersey Planning Officials Award "Substantially Assisting the County's 16 Municipalities in Identifying Land Use and Resource Protection Goals," 1993
North Branch Rancocas Creek Watershed Management Study and Plan Watershed Area 19 Eastampton Township	- New Jersey Planning Officials Award - "Improvement of Water Quality through Regional Watershed Management," 1992
Cooper River Watershed Management Study and Plan Watershed Area 19 Camden County Park Commission	- American Planning Association/New Jersey Outstanding Planning Concept, Program and Process Award, 1989
Assiscunk Creek Park Burlington Township	- New Jersey Society of Municipal Engineers Project of the Year, 1982

Employee Rate Schedule



Employee Rate Schedule

January 1, 2026

Professional Category	Hourly Rate
Principal	\$240
Senior Associate	\$235
Associate	\$230
Architect.....	\$230
Senior Project Engineer	\$230
Project Engineer.....	\$225
Senior Project Planner	\$225
Project Planner	\$220
Senior Project Manager	\$220
Project Manager	\$215
Designer-CAD	\$180
Surveying – Supervisor.....	\$190
Surveying - Chief.....	\$190
Surveying - Fieldman	\$180
Field Representative - Supervisor.....	\$190
Field Representative	\$180
Administrative Assistant.....	\$125

Mileage charges are based upon IRS approved rates for the current year.

Prints, copies and other out-of-pocket expenses are billed at direct cost.

AutoCAD billed at \$20 per hour.

Robotic Total Station billed at \$40 per hour.

Global Positioning System billed at \$60 per hour.

Hourly rate in all years subsequent to December 31, 2026 shall be mutually agreed to by both parties.

Required Forms



**BARNEGAT TOWNSHIP
900 WEST BAY AVENUE
BARNEGAT, NJ 08005**



BIDDER'S CHECKLIST

The following checklist is provided for each bidder to check off documents submitted with their bid;

- A. Stockholders Disclosure Statement properly notarized listing stockholders or partners
Owning ten percent (10%) or more of corporation or partnership stock.
(Required)
- B. Non-Collusion Affidavit properly notarized. (Required)
- C. New Jersey Business Registration Certificate (BRC) (Required)
- D. Affirmative Action Evidence (Required)
- E. W-9 Form
- F. Authorized signatures on all forms.
- G. Request for Proposal for Professional Services Rate Sheet. (Required)



PLEASE EXECUTE THIS FORM AND SUBMIT WITH THE RFP PACKAGE

**TOWNSHIP OF BARNEGAT
900 WEST BAY AVENUE
BARNEGAT, NJ 08005**

RIGHT TO EXTEND – TIME FOR AWARD

The Township of Barnegat is required by the Local Public Contracts Law N.J.S.A. 40A:11-24, to make an award on products or service within sixty (60) days of the bid opening date.

Should the Township of Barnegat require an additional thirty (30) days extension to make an award of this bid, by signing this document you should grant the Township of Barnegat the right to extend this award up to ninety (90) days, if deemed necessary

SIGNED: 
(SIGNATURE)

TITLE: Robert Lyons, Chief Financial Officer/Secretary
(PRINTED OR TYPED)

COMPANY: Richard A. Alaimo Associates

DATED: 11 / 17 / 2025

TYPE OF PRODUCT OR SERVICE OFFERED: 2026 Professional Services

PLEASE EXECUTE THIS FORM AND SUBMIT WITH THE RFP PACKAGE

PUBLIC/STOCKHOLDER DISCLOSURE STATEMENT

NAME OF BUSINESS: Richard A. Alaimo Associates

I certify that the list below contains the names and home addresses of all stockholders 10% or more of the issued and outstanding stock of the undersigned.

Or

I certify that no one stockholder owns 10% or more of the issued and outstanding stock of the undersigned.

- Partnership
- Limited Partnership
- Subchapter S Corporation
- Corporation

Sign and notarize the form below, and, if necessary, complete the stockholder list below.

STOCKHOLDERS:

Name: Richard A. Alaimo

Name: _____

Home Address:
234 High Street
Mount Holly, NJ 08060

Home Address:

Name: _____

Name: _____

Home Address:

Home Address:


Name: _____

Name: _____

Home Address:

Home Address:

Subscribed and sworn before me this 17th day of
November, 2025


(Notary Public Signature)
My Commission Expires: August 7, 2028

(Affiant)

(Print name & title of affiant)
Robert Lyons, Chief Financial Officer/Secretary
(Corporate Seal)

DONNA LYNN BARNETT
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES AUG. 7, 2028

PLEASE EXECUTE THIS FORM & SUBMIT WITH THE RFP PACKAGE

NON-COLLUSION AFFIDAVIT

State of New Jersey

County of Burlington

I, Robert Lyons residing in Medford Township in the County of
(Name of Affiant) (Name of Municipality)

Burlington and State of New Jersey of full age, being duly sworn according to law on my oath depose and say that:

I am Chief Financial Officer/Secretary of the firm of Richard A. Alaimo Associates the bidder making this Proposal
(Title or Position) (Name of Firm)

For the bid entitled 2026 Professional Services
(Title of Bid Proposal)

And that I executed the said proposal with full authority to do so that said bidder has not, directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free, competitive bidding in connection with the above named project; and that all statements contained in said proposal and in the affidavit are true and correct, and made with full knowledge that the

Township of Barnegat relies upon the truth of the statements contained in said Proposal and


in the statements contained in this affidavit in awarding the contract for said project.

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

By Richard A. Alaimo Associates

Subscribed and sworn to me

Before this day November 17, 2025



(Signature)

Robert Lyons, Chief Financial Officer/Secretary
(Type or print name of affiant under signature)

Notary public of Donna Lynn Barnett
New Jersey Donna Lynn Barnett

My commission expires: 8 / 7 / 2028 (Seal)

DONNA LYNN BARNETT
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES AUG. 7, 2028

08/19/04

Taxpayer Identification# 221-824-833/000

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.

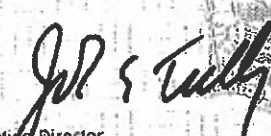
If you have any questions or require more information, feel free to call our Registration Hotline at (609)292-1730.

I wish you continued success in your business endeavors.

Sincerely,


John E. Tully, CPA
Acting Director

STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE		DEPARTMENT OF TREASURY/ DIVISION OF REVENUE PO BOX 252 TRENTON, NJ 08646-0252
TAXPAYER NAME: RICHARD A. ALAIMO ASSOCIATES	TRADE NAME:	
TAXPAYER IDENTIFICATION#: 221-824-833/000	SEQUENCE NUMBER: 0083978	
ADDRESS: 200 HIGH ST MOUNT HOLLY, NJ 08050	ISSUANCE DATE: 08/19/04	
EFFECTIVE DATE: 03/22/67		
FORM-BRC(08-01)		


Acting Director

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

PLEASE EXECUTE THIS FORM AND SUBMIT WITH THE RFP PACKAGE

**N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127) and N.J.A.C. 17:27
MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE
GOODS, PROFESSIONAL SERVICE AND GENERAL SERVICE CONTRACTS**

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

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employments because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contract will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity should include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

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

The contractor or subcontractor, where applicable, will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contract officer advising the labor union or workers' representative of the contractor's commitments under this act and should post copies of the notice in conspicuous places available to employees and applicants for employment.

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

The contractor or subcontractor agrees to make good faith efforts to afford equal employment opportunities to minority and women workers consistent with Good faith efforts to meet targeted county employment goals established in accordance with N.J.A.C. 17:27-5.2, or Good faith efforts to meet targeted county employment goals determined by the Division pursuant to N.J.A.C. 17:27-5.2.

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

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

PLEASE EXECUTE THIS FORM AND SUBMIT WITH THE RFP PACKAGE

**N.J.S.A. 10:5-31 ET SEQ. (P.L. 1975, C.127) AND N.J.A.C. 17:27
MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE
GOODS, PROFESSIONAL SERVICE AND GENERAL SERVICE CONTRACTS
(CONTINUED)**

In conforming with the targeted employment goals, the contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

The contractor should submit to the public agency, after notification of award but prior to execution of a goods and services contract, one of the following three documents:

Letter of Federal Affirmative Action Plan Approval

Certificate of Employee Information Report

Employee Information Report Form AA-302

The contractor and its subcontractors should furnish such reports or other documents to the Division of Public Contract Equal Employment Opportunity Compliance as may be requested by the office from time to time in order to carry out the purposes of these regulations, and public agencies should furnish such information as may be requested by the Division of Public Contracts Equal Employment Opportunity Compliance for conducting a compliance investigation pursuant to Subchapter 10 of the Administrative Code at N.J.A.C. 17:27.

Submitted by: Richard A. Alaimo Associates
(Name of Firm)

Name: Robert Lyons
(Please type or print)

Signature: 

Title: Chief Financial Officer/Secretary

Date: 11 / 17 / 2025

PLEASE EXECUTE THIS REQUIRED FORM AND SUBMIT WITH RFP PACKAGE

**EEO/AFFIRMATIVE ACTION COMPLIANCE NOTICE TO BIDDERS
N.J.S.A. 10:5-31 AND N.J.A.C. 17:27
GOODS, PROFESSIONAL SERVICE AND GENERAL SERVICE CONTRACTS**

All successful bidders are required to submit evidence of appropriate affirmative action compliance to the County Division of Public Contracts Equal Employment Opportunity Compliance. During a review, Division representatives will review the County files to determine whether the affirmative action evidence has been submitted by the vendor/contractor. Specifically, each vendor/contractor should submit to the County, prior to execution of the contract, one of the following documents:

Goods and General Service Vendors

1. Letter of Federal Approval indicating that the vendor is under an existing federally approved or sanctioned affirmative action program. A copy of the approval letter is to be provided by the vendor to the County and the Division. This approval letter is valid for one year from the date of issuance.

Do you have a federally approved or sanctioned EEO/AA program? Yes ___ No X
If yes, please submit a photo copy of such approval.

2. A Certificate of Employee Information Report (hereafter "Certificate"), issued in accordance with N.J.A.C. 17:27-1.1 et seq. The vendor must provide a copy of the Certificate to the County as evidence of its compliance with the regulations. The Certificate represents the review and approval of the vendor's Employee Information Report, Form AA-302 by the Division. The period of validity of the Certificate is indicated on its face. Certificates must be renewed prior to their expiration date in order to remain valid.

Do you have a State Certificate of Employee Information Report Approval? Yes X No ___
If yes, please submit a photo copy of such approval.

3. The successful vendor should complete an Initial Employee Report, Form AA-302 and submit it to the Division with \$150.00 fee and forward a copy of the Form to the County. Upon submission and review by the Division, this report should constitute evidence of compliance with the regulations. Prior to execution of the contract, EEO/AA evidence must be submitted.

The successful vendor should complete an initial Employee Report (Form AA-302) on the Division website at www.state.nj.us/treasury/contract compliance.

The successful vendor(s) must submit the AA-302 Report to the Division of Public Contracts Equal Employment Opportunity Compliance, with a copy to Public Agency.

The undersigned vendor certifies that he/she is aware of the commitment to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27 and agrees to furnish the required forms of evidence.

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

Company: Richard A. Alaimo Associates

Signature: 

Print Name: Robert Lyons

Company: Chief Financial Officer/Secretary

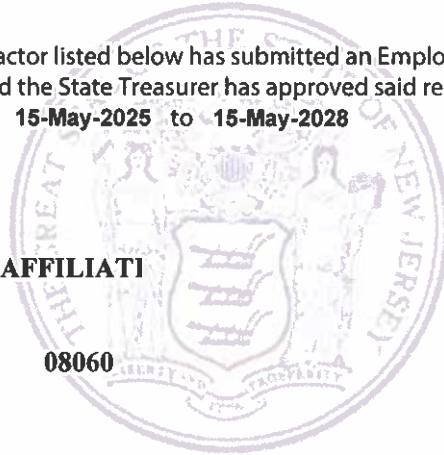
Date: 11 / 17 / 2025

Certification 1370

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-May-2025 to 15-May-2028**

RICHARD A. ALAIMO ASSO. & AFFILIATI
200 HIGH STREET
MOUNT HOLLY NJ 08060



Elizabeth Maher Muoio
ELIZABETH MAHER MUOIO
State Treasurer

LOCAL PUBLIC CONTRACTS LAW

EXHIBIT B

AMERICANS WITH DISABILITIES ACT OF 1990

Equal Opportunity for Individuals with Disability The contractor and Medford Lakes Borough (hereafter "owner") do hereby agree that the provisions of Title 11 of the Americans With Disabilities Act of 1990 (the "Act") (42 U.S.C. S121 01 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs, and activities provided or made available by public entities, and the rules and regulations promulgated pursuant there unto, are made a part of this contract. In providing any aid, benefit, or service on behalf of the owner pursuant to this contract, the contractor agrees that the performance shall be in strict compliance with the Act. In the event that the contractor, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the contractor shall defend the owner in any action or administrative proceeding commenced pursuant to this Act. The contractor shall indemnify, protect, and save harmless the owner, its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages, of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The contractor shall, at its own expense, appear, defend, and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the owner's grievance procedure, the contractor agrees to abide by any decision of the owner which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the owner, or if the owner incurs any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the contractor shall satisfy and discharge the same at its own expense.

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

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

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

Richard A. Alaimo Associates
Print Name of Company/Firm

November 17, 2025
Date

Robert Lyons, CFO, Secretary
Print Name


Signature

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.	<p>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.)</p> <p>Richard A. Alaimo Associates</p>	
	<p>2 Business name/disregarded entity name, if different from above.</p>	
	<p>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.</p> <p><input type="checkbox"/> Individual/sole proprietor <input checked="" type="checkbox"/> C corporation <input type="checkbox"/> S corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate</p> <p><input type="checkbox"/> LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) _____</p> <p>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.</p> <p><input type="checkbox"/> Other (see instructions) _____</p>	<p>4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):</p> <p>Exempt payee code (if any) _____</p> <p>Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) _____</p> <p style="text-align: right;"><i>(Applies to accounts maintained outside the United States.)</i></p>
	<p>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 <input type="checkbox"/></p>	
	<p>5 Address (number, street, and apt. or suite no.). See instructions.</p> <p>200 High Street</p>	<p>Requester's name and address (optional)</p>
	<p>6 City, state, and ZIP code</p> <p>Mount Holly, NJ 08060</p>	
	<p>7 List account number(s) here (optional)</p>	

Part I Taxpayer Identification Number (TIN)

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

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

Social security number										
or										
Employer identification number										
2	2		1	8	2	4	8	3	3	

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>Robert Lyons</i>	Date January 1, 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



BUSINESS ENTITY ANNUAL STATEMENT

NEW JERSEY ELECTION LAW ENFORCEMENT COMMISSION
(609) 292-8700 or Toll Free Within NJ 1-888-313-ELEC (3532)

THIS FORM MUST BE ELECTRONICALLY FILED AT:
www.elec.nj.gov

FORM BE

FOR STATE USE ONLY

This statement is required to be filed by a business entity which has received \$50,000 or more in the aggregate during a calendar year through agreements or contracts with a public entity or public entities.

Part 1: General Information

Date of Statement March 27, 2025

Activity for Calendar Year 2024

Check if Amendment

Part 2: Business Entity Information

Business Name Richard A. Alaimo Associates

Business Type Other Business Organization

Address 1 200 High Street

Address 2 _____

City Mount Holly State New Jersey Zip 08060

*(Area Code) Telephone Number (609) 267-8310

ACKNOWLEDGEMENT

I have been authorized by the above named business entity to complete the annual statement, and certify that the statements and/or information contained herein are true. I am aware that if any of the statements or information are willfully false, I may be subject to punishment.

First Name Robert Last Name Lyons

Title/Position CFO Date March 27, 2025

*(Area Code) Telephone Number (609) 267-8310

Check this box to certify the above acknowledgement.

A business entity which has received \$50,000 or more in the aggregate during a calendar year through agreements or contracts with a public entity or public entities, but has made no contributions to candidates or committees, shall file the business entity annual disclosure statement with the Commission to report that no contributions were made during the calendar year.

Check this box if the business entity has not made any reportable contributions during the calendar year.

*Leave this field blank if your telephone number is unlisted. Pursuant to N.J.S.A. 47:1A-1.1, an unlisted telephone number is not a public record and must not be provided on this form.