

Todd M. Hay, PE, CME

Regional Vice-President

EDUCATION

MS, Urban and Transportation Engineering; New Jersey Institute of Technology, (2002)

BS, Civil Engineering; Temple University (1992)

PROFESSIONAL REGISTRATIONS

Professional Engineer: NJ (#24GE04171500 exp. 4-30-24)

Professional Engineer: GA (#046340, exp. 12-31-24)

Professional Engineer: NY (#103365001, exp 11-30-26)

Professional Engineer: CT (#0035036. exp. 1-31-25)

Professional Engineer: ME (#16841, exp. 12-31-25)

Professional Engineer: MA (#56365, exp. 6-30-24)

Certified Municipal Engineer: NJ (#475, 1994, no exp.)

Certified Public Works Manager: NJ (#M1291, no exp.)

CERTIFICATIONS/TRAINING

Stormwater Management Design Review, NJDEP (exp. 10-17-27)

Stormwater Management Training NJDEP (exp. 12-31-27)

Project Management, Pennoni (2015, no exp.)

PROFESSIONAL AFFILIATIONS

American Council of Engineering Companies – NJ & NY

New Jersey Planning Officials

New Jersey Society of Municipal Engineers

New Jersey Alliance for Action

Real Estate Networking and Transactions Group of New York

Lambda Alpha Institute Society – New York Chapter

HONORS/AWARDS

2022 - Municipal Engineer of the Year, NJ Society of Municipal Engineers

EXPERIENCE SUMMARY

Todd Hay, PE, CME, serves as Regional Vice President and is based in our Newark, NJ office. He is responsible for client service and business development efforts for Northern New Jersey, NYC/New York State, and New England. And manages the success and growth of the East Hanover, NJ; Newark, NJ; New York, NY; Stamford, CT; Natick, MA and Boston, MA staff and projects.

Mr. Hay has been working with multi-disciplined engineering projects during his over 30-year career as a civil engineer, project manager, and principal. His work has included municipal and county transportation, water and wastewater utilities, traffic and recreation projects, K-12 projects, college/university, solar, and various private/public design and design-build projects within his region and NM. His work experience has included client contact and coordination; in-house review of site plan and subdivision projects for entitlement compliance; preparation and coordination of site plans and technical specifications for bidding purposes; preparation of site plans for entitlement submission; expert witness testimony before local, county and state authorities; contract administration and construction support services for both private and public projects.

Currently, Mr. Hay serves as the appointed City, Planning and Zoning Board Engineer in the City of East Orange, NJ and the Township, Planning and Zoning Board Engineer in the Township of Nutley, NJ. Mr. Hay is also the appointed Board of Education Engineer for the Springfield Board of Education in Springfield, NJ. In addition, he has served over 30 municipalities, 10 counties, and 10 public school districts as an on-call engineer. He has served as principal-in-charge for private clients, including Toll Brothers City Living, Simon Properties, Hartz Mountain, and Verizon, as well as many high-profile architects. Also, Mr. Hay has been involved in high-profile design-build projects such as the design-build of the US Military Academy Preparatory School at West Point, NY, and the design and construction of Limited Ports of Entry (LPOEs) on the Canadian and Mexican Border. Mr. Hay has also been involved in litigation and court matters, serving as a design and construction expert witness representing construction contractors and the state of New Jersey, including the New Jersey Department of Transportation.

Mr. Hay is an Industry Advisory Board Member to the School of Applied Engineering and Technology at the New Jersey Institute of Technology (NJIT), an Advisory Board Member to the Civil Engineering Department at Temple University, and a Board Member to the Commerce Industry Association of NJ. He is a Board Member of ACE New Jersey as well as a Board Member of the non-profit Visions and Pathways for homeless youth in New Jersey. Mr. Hay is co-chair of the New Jersey Society of Municipal Engineers Annual Awards Program.

REPRESENTATIVE PROJECTS

MUNICIPAL/COUNTY EXPERIENCE

City of East Orange – General Engineering Services, East Orange, NJ (11/19 – Present)

Appointed City Engineer and Client Manager - Reviews applications and ensures compliance through inspections to the Planning and Zoning Board, attends and consults with the Director of Public Works, Mayor, and Council, and attends Regular Meetings when requested. He had established office hours for consultations with residents and an in-house engineering staff of five. He had been responsible for estimating and making recommendations to the city where requested. CEORG20100, CEORG23100, CEORG20108



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City of East Orange – Annual Various City-wide Roadway Resurfacing Program, East Orange, NJ (2014 - Present)

Principal – Designed and constructed administration of 2 miles of municipal road reconstruction improvements, including handicap ramps, mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, and administration.

County of Essex – Annual Traffic Signalization Improvements Construction Administration, Essex County, NJ (2011 - Present)

Resident Engineer – Responsible for construction administration of 20 traffic signalization improvements at seven locations on County roadways. Responsible for client management, project management, and administration.

PQR Consulting - Bergen Street Villa, Newark, NJ (4/23 - 10/23)

Principal-in-Charge - Pennoni provided survey and civil engineering services for a 20-unit affordable housing (rent-to-ownership) development in Newark, NJ. The firm prepared a subdivision and site plans for City Planning Board Approval. The anticipated date for completion is 2025. PQRCX23001

Skyway Holdings, LLC. - Raymond Blvd, Block 5000 Lot 40 & 42, Newark, NJ (3/23 - 5/23)

Principal-in-Charge - Pennoni provided civil engineering and ecological services for an accessway to a 10-acre vehicle storage site at the Port of Newark in Newark, NJ. Pennoni prepared a wetlands study and a code review to establish construction plans for the gate and entranceway within the property. Pennoni was able to save the client time and money by avoiding City, County, and State approvals. The project is scheduled for completion in 2025. SKYHL23100

City of Summit - Constructability Reviews, Summit, NJ (12/22 - 9/23)

Project Manager - Pennoni provided peer review studies for constructability with three roadway construction projects within the City of Orange. Pennoni reviewed construction plans, bid documents, and prepared a study for each project. The projects will be constructed in 2024. CSUMX22001

Springfield Board of Education - Walton Elementary School Playground, Springfield, NJ (12/22 - 8/23)

Principal-in-Charge - Pennoni provided survey and civil engineering services for age-appropriate playground equipment at Walton Elementary School in Springfield, NJ. Pennoni prepared construction plans and bid documents and oversaw the project's construction. The project was constructed in 2023. SPBOE22004

City of East Orange – Soverel Park Tennis Courts, East Orange, NJ (5/19 – 7/20)

Principal – Design and construct 5 new tennis courts and 1 new handball court at the park. Improvements included a new playing surface, netting, fencing, and gates. Responsible for client management, project management, administration, and bid services. CEORG20108

City of East Orange – Elmwood Park Multi-Use Tennis Courts, Basketball Court, Fitness Equipment, East Orange, NJ (5/19 – 7/20)

Principal – Design and construct five new tennis courts, one new handball court, one new basketball court, and one new outdoor fitness surface with fifteen fitness apparatuses at the park. Improvements include a new playing surface, equipment, netting, fencing, and gates. Responsible for client management, project management, administration, and bid services. CEORG20108

Township of Nutley – General Engineering Services, Nutley, NJ (2018 – 2019)

Appointed Township Engineer and Client Manager - Reviews applications and ensures compliance through inspections to the Planning Board and Zoning Board as well as attends when requested, consults with the Mayor and Commissioners, attends Regular Meetings when requested, and attends Government Committee Meetings. He has established office hours for consultations with residents and administrative staff. He has been responsible for estimating and making recommendations to the Township where requested. Also, Mr. Hay has secured over \$8 million in grants since his appointment in 2005. Mr. Hay is responsible for implementing the ongoing NJDEP Stormwater Management program for the Township. NTLYT19001, NTLYT18001



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County of Essex – Annual Roadway Resurfacing Program, Essex County, NJ (9/17 – 5/18)

Resident Engineer – Designed and constructed administration of 10 miles of county road reconstruction improvements, including handicap ramps, mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, and administration. COEX1701, COESX18001

City of Newark – Riverfront Park, Newark, NJ

Principal – Designed and constructed a 2-mile ribbon park along the Passaic River. Improvements include an elevated walking platform, lighting, benches, a beach area, a volleyball court, seating for an amphitheater, and a bulkhead. Responsible for client management, project management, administration, and bid services.

City of East Orange – 777 Springdale Avenue Mid-Block Crosswalk, East Orange, NJ

Principal - Design and construct new pedestrian mid-block crosswalk improvements, including two new directional solar-powered rapid flashing beacons, striping, signage, and handicap ramps. Responsible for client management, project management, administration, and bid services.

Township of Nutley – Park Avenue Section 1 and 2, Nutley, NJ

Project Manager - Designed and constructed 2,500-LF municipal road milling-and-resurfacing improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Nutley – Willow and Chestnut Improvements, Nutley, NJ

Project Manager - Designed and constructed 750-LF of municipal road milling-and-resurfacing improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Nutley – Environmental Infrastructure Grant – Water Meters, Nutley, NJ

Project Manager - Prepared grant and bid documents for replacing 7,000 residential and non-residential water meters town-wide. Responsible for client management, project management, and administration services.

Township of Nutley – Federal Emergency Management Agency Flood Mitigation Grant – Donna Court, Nutley, NJ

Project Manager – Prepared grant, concept plan, design calculations, and documents for removing three homes within a floodway along the Third River. Responsible for client management, project management, and administration services.

Township of Nutley – St. Mary’s and Hillside, Crescent Improvements, Nutley, NJ

Project Manager - Designed and constructed 2,000-LF of municipal road milling-and-resurfacing improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Nutley – Yantecaw, Cedar, Stanley, and Mapes Improvements, Nutley, NJ

Project Manager - Designed and constructed 3,000-LF of municipal road milling-and-resurfacing improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Nutley – Ridge, Brookfield, and North Improvements, Nutley, NJ

Project Manager - Designed and constructed 2,000-LF of municipal road milling-and-resurfacing improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.



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Township of Nutley – Edgar and Vreeland Improvements, Nutley, NJ

Project Manager - Designed and constructed 2,500-LF municipal road milling-and-resurfacing improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Nutley – Williams, San Antonio, Fernwood, Walnut and Terrace Improvements, Nutley, NJ

Project Manager - Design and construction of 5,000-LF of municipal road milling-and-resurfacing improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Nutley – Elm, San Antonio, Fernwood, Walnut and Terrace Improvements, Nutley, NJ

Project Manager - Design and construction of 5,000 – LF of municipal road milling-and-resurfacing improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Nutley – Bloomfield Avenue Section 2, 3, 4, and 5, Nutley, NJ

Project Manager - Design and construction of 9,000 – LF of municipal road milling-and-resurfacing improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Nutley – Parking Lot 1 Improvements, Nutley, NJ

Project Manager - Design and rehabilitate an existing 200+ spaces asphalt parking lot for municipal pay/permit parking within the downtown center. Responsible for client management, project management, administration, bid services, and securing NJDOT permitting.

Township of Nutley – Coeyman Avenue, Whitford Avenue, Erie Place, and Edison Place Improvements, Nutley, NJ

Project Manager - Design and construction of 5,000 – LF of various municipal road reconstruction and resurfacing improvements, including concrete sidewalks, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, and bid services.

Township of Nutley – Passaic Avenue Section 1, 2, 3, 4, and 5 Improvements, Nutley, NJ

Project Manager - Designed and constructed over 10,000 LF of municipal road reconstruction improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Nutley – Chestnut Street Beacon Signal, Nutley, NJ

Project Manager - Designed and constructed two-way sonic pre-emption devices for firefighting equipment and municipal streetscape improvements, including pavers, ornamental streetlights, drainage, and concrete curbs. Responsible for project management, administration, and bid services.

Township of Nutley – Bloomfield and Coeyman Intersection Improvements, Nutley, NJ

Project Manager - Construction of new signalized intersection and geometric improvements, including a speed hump with decorative pavers and a crosswalk. Responsible for client management, project management, administration, and bid services.

Township of Nutley – Franklin Avenue Streetscape Phase 2, Nutley, NJ

Project Manager - Design and Construction of 2,000-LF of municipal streetscape improvements, including pavers, ornamental streetlights, drainage, and concrete curb. Responsible for client management, project management, administration, and bid services.

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Township of Nutley – Franklin Avenue Walkway, Nutley, NJ

Project Manager - Designed and constructed 100 – LF of municipal alleyway, including pavers, ornamental streetlights, drainage, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Nutley – Parking Lots 2 and 8 Improvements, Nutley, NJ

Project Manager - Designed and constructed two asphalt parking lots, accommodating ten spaces and 35 spaces for municipal permit parking within the downtown center. Responsible for client management, project management, administration, bid services, and securing county permitting.

Township of Nutley – Curb and Sidewalk Improvement Program, Nutley, NJ (2005, 2006, 2007 and 2011)

Project Manager - Designed and constructed 9,500 – LF of miscellaneous municipal curb and sidewalk improvements. Responsible for project management, administration, and bid services.

Township of Nutley – Vincent Place Improvements, Nutley, NJ

Project Manager - Designed and constructed 1,500 – LF of municipal road resurfacing improvements, including drainage, mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Nutley – Rheinheimer Pump Station Improvements, Nutley, NJ

Project Manager - Construction of 0.25 MGD pump station upgrades, including pump replacement, HVAC upgrades, in-line valve replacement, and control upgrade. Responsible for client management, project management, administration, and bid services.

Township of Nutley – Montclair Avenue Sidewalk Improvements, Nutley, NJ

Project Manager - Designed and constructed 1,500 LF of miscellaneous municipal sidewalk improvements. Responsible for project management, administration, and bid services.

Township of Nutley – Bloomfield and Coeyman Traffic Signalization Improvements, Nutley, NJ

Project Manager - Construction of a four-way traffic signalization improvement. Responsible for construction management and administration, inspection, and NJDOT closeout.

Township of Nutley – Park, Union and Weston Traffic Signalization Improvements, Nutley, NJ

Project Manager - Designed and constructed a four-way traffic signalization and intersection improvement project, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for NJDOT LTS submission and bid services.

Township of Springfield – General Engineering Services, Springfield, NJ

Appointed Township Engineer and Client Manager - Reviewed applications and ensured compliance through inspections to the Planning Board, as well as attended and consulted with the Mayor and Council and attended Regular Meetings when requested. He had established office hours for consultations with residents and administrative staff. He had been responsible for estimating and making recommendations to the Township where requested. Also, Mr. Hay secured over \$750,000 in grants during his appointment from 2008-2011

Township of Springfield – Wabeno Avenue Improvements, Springfield, NJ

Project Manager - Design and construction of 1,700 – LF of municipal road milling-and-resurfacing improvements, including new catch basins and drainage pipe, concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Springfield – Alvin Terrace Stream Cleaning, Springfield, NJ

Project Manager - Designed, permitted, and constructed 500–LF municipal stream cleaning. Responsible for client management, project management, administration, and bid services.



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Township of Springfield – Washington and Marion Avenue Dike Restoration, Springfield, NJ

Project Manager - Designed, permitted, and constructed 250-LF of levee slope protection and clay core restoration. Responsible for client management, project management, administration, and bid services.

Township of Springfield – Milltown Road Improvements, Springfield, NJ

Project Manager - Design and construction of 3,500 – LF of municipal road milling-and-resurfacing improvements, including new catch basins and drainage pipe, concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Springfield – Salter, Lincoln, Lelak, Ann, Kipling, Beverly and Highlands Improvements, Springfield, NJ

Project Manager - Design and construction of 8,150 – LF of municipal road milling-and-resurfacing improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Springfield – Joanne Way Stream Bank Stabilization, Springfield, NJ

Project Manager - Designed, permitted, and constructed 1,000 – LF of stream bank stabilization, using greenscape and hardscape armoring. Responsible for client management, project management, administration, and bid services.

Township of Springfield – Tree Top Drive, Springfield, NJ

Project Manager - Design and construction of 4,500 – LF of municipal road milling-and-resurfacing improvements, including new catch basins and drainage pipe, concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Springfield – Rose, Baltusrol, Pitt, Oak Ridge, and Temple Improvements, Springfield, NJ

Project Manager - Designed and constructed 6,000 – LF of municipal road milling-and-resurfacing improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Springfield – Linden Avenue, Springfield, NJ

Project Manager - Designed and constructed 3,000 – LF of municipal road milling-and-resurfacing improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Springfield – 27" Sewer Main Cleaning, Inspection and Report, Springfield, NJ

Project Manager - Bid Document Preparation for the cleaning and TV inspection of over 9,000-LF of Township sewer main. Responsible for client management, project management, administration, bid services, and final report with recommendations.

Township of Springfield – Lincoln Road, Springfield, NJ

Project Manager - Design and construction of 500 – LF municipal road milling-and-resurfacing improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Springfield – Mountain Avenue, Various Crosswalks, Springfield, NJ

Project Manager - Designed new pedestrian crosswalk intersection improvements, including decorative crosswalks and handicap ramps. Responsible for client management, project management, administration, and bid services.

City of Jersey City – Summit Avenue Phase 1 and Phase 2, Jersey City, NJ

Project Manager - Designed and constructed administration of three miles of municipal intersection improvements, including concrete sidewalks, handicap-accessible ramps, delineated crosswalks, video detection equipment, and countdown pedestrian heads at signalized intersections. Responsible for client management, project management, and administration.



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City of Jersey City – Three Summit Avenue Intersections (Van Ripen, Magnolia and Cottage), Jersey City, NJ

Project Manager - Designed three municipal intersection improvements, including concrete sidewalks, handicap-accessible ramps, delineated crosswalks, video detection equipment, and countdown pedestrian heads at signalized intersections. Responsible for client management, project management, and administration.

Borough of High Bridge – Main Street Pedestrian Improvements, High Bridge, NJ

Project Manager - Conceptual Design of 5,000 – LF of municipal streetscape improvements, including imprinted paver sidewalks and crosswalks, ornamental bollards, ornamental streetlights, drainage, and concrete curbs. Responsible for project management and administration.

Borough of Cranford – North Avenue Traffic Signal Revitalization, Cranford, NJ

Project Manager - Design and construction of traffic signal improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Borough of Cranford – Crane Parkway Reconstruction, Cranford, NJ

Project Manager - Designed and constructed over 7,000 LF of municipal road reconstruction improvements, including concrete sidewalk, drainage, handicap ramps, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Borough of Cranford – FEMA House-Raising, Cranford, NJ

Project Manager - Designed and constructed 18 homes on various municipal streets. Responsible for client management, project management, administration, and bid services.

Township of Irvington – 18th Avenue Curbs and Sidewalks, Irvington, NJ

Project Manager - Design of 1,000 – LF of miscellaneous municipal sidewalk improvements. Responsible for client management, project management, administration, and bid services.

Township of Irvington – Berkeley Terrace, Irvington, NJ

Project Manager - Inspection, reporting, and testing of various soil settlement issues at 20-30 residential properties. Responsible for client management, project management, administration, and bid services.

City of Trenton - Cadwalder Park Maintenance Building, Trenton, NJ

Project Manager - Designed the city maintenance building's parking lot and stormwater improvements. Responsible for client management, project management, administration, and bid services.

Borough of Madison – Lincoln Place Streetscape, Madison, NJ

Project Manager - Design and Construction of 900 – LF of municipal streetscape improvements, including pavers, ornamental streetlights, drainage, and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Verona – Civic Center Streetscape Improvements Phase 1 and 2, Verona, NJ

Project Manager - Design of a two-acre municipal center and 5,000-LF of municipal sidewalk with streetscape improvements, including imprinted paver sidewalks and crosswalks, ornamental streetlights, drainage, and concrete curb. Responsible for project management and administration.

Township of Denville – Cook's Pond and Park Improvements, Denville, NJ

Project Manager - Designed and constructed a five-acre municipal park, adding a 20'x50' multi-purpose recreation building, 100'x110' covered deck, gazebo, 30-space parking area, playground equipment, and beach replenishment. Responsible for client management, project management, administration, and bid services.



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Borough of Roselle - Storm Sewer Inspection, Roselle, NJ

Visual inspection of over 770 catch basins and 170 stormwater outfalls, during which material condition of system components was assessed and compared against NJDEP requirements. Development of a database that integrated the inspection results with the geographic positioning information of the catch basins and stormwater outfalls for use in mapping software utilized by the client. Assigned overall material condition grades for the catch basins to assist the client in prioritizing necessary repairs. Preparation of summary reports and location maps for submittal to the NJDEP and client.

Borough of Madison – Main Street and Lincoln Place Streetscape Improvements, Madison, NJ

Project Manager - Design of 3,500 – LF of municipal streetscape improvements, including pavers, ornamental trees and shrubs, drainage, and concrete curb. Responsible for client management, project management, administration, and bid services. Main Street Project was awarded the New Jersey Society of Municipal Engineers 2005 Municipal Management of the Year Award.

Borough of Bloomingdale – General Engineering Services, Bloomingdale, NJ

Borough Engineer and Client Manager - Reviewed applications to the Planning Board and Zoning Board, attended and consulted at Mayor and Council Work Sessions, Regular Meetings, and Government Committee Meetings. He had established office hours for consultations with residents and administrative staff. He was responsible for estimating and making recommendations to the Borough where requested. Also, Mr. Hay secured over \$1 million in grants at his appointment. Also, Mr. Hay assisted the municipality in securing grants relevant to the recent NJDEP Stormwater Management rule adoption.

Borough of Bloomingdale – Main Street Streetscape Phase III, Bloomingdale, NJ

Project Manager - Designed and constructed 1,500 – LF of municipal streetscape improvements, including pavers, ornamental bollards, streetlights, drainage, and concrete curbs. Responsible for client management, project management, administration, and bid services.

Borough of Bloomingdale – Captolene, Grove and Pleasant View Avenue Reconstruction, Bloomingdale, NJ

Project Manager - Designed and constructed 1,500 – LF of municipal road reconstruction improvements, including concrete sidewalk, drainage, handicap ramps, block retaining wall, full depth and mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Borough of Bloomingdale – Ballston Street Drainage, Bloomingdale, NJ

Project Manager - Designed and constructed 750-LF of municipal roadway drainage improvements. Responsible for client management, project management, administration, and bid services.

Borough of Bloomingdale – Morse Lakes Road Phase 1 Resurfacing, Bloomingdale, NJ

Project Manager - Designed and constructed 1,250 – LF of municipal road resurfacing improvements, including drainage, mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, administration, and bid services.

Borough of Bloomingdale – 2004 Sidewalk Improvement Program, Bloomingdale, NJ

Project Manager - Designed and constructed 1,000 – LF of miscellaneous municipal sidewalk improvements. Responsible for project management, administration, and bid services.

Borough of Bloomingdale – Glenwild Avenue Phase 1B and Phase 2 Sidewalk Improvements, Bloomingdale, NJ

Project Manager - Designed and constructed 3,000 – LF of municipal sidewalk improvements. Responsible for project management, administration, and bid services.

Borough of Bloomingdale – Elizabeth Street Phase 2 Reconstruction, Bloomingdale, NJ

Project Manager - Design of 1,000 – LF of municipal road reconstruction improvements, including drainage, block retaining walls, full-depth asphalt pavement, and concrete curb. Responsible for client management, project management, and easement acquisition of private properties for utilities.



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Borough of Bloomingdale – Senior Citizen Parking Lot Improvements, Bloomingdale, NJ

Project Manager - Designed and constructed a 36-space asphalt parking lot for the municipal senior center. Responsible for client management, project management, administration, bid services, and securing NJDEP permitting.

Township of Long Hill – Meadow View Road Culvert Replacement, Stirling, NJ

Project Manager - Design of replacement culvert, including civil/site, drainage soil erosion, and sediment control engineering. Responsible for client management, project management, administration, and securing NJDEP permitting.

Township of Long Hill – Poplar Drive Road Resurfacing and Reconstruction, Stirling, NJ

Project Manager - Design of 1,250 – LF of municipal road resurfacing and reconstruction improvements, including drainage, full depth, and mill/overlay asphalt pavement and concrete curb. Responsible for client management, project management, administration, and securing NJDEP permitting.

Livingston Community Partnership – South Livingston Avenue Phase 2 Streetscape Improvements, Livingston, NJ

Project Manager - Designed and constructed 2,500 – LF of municipal streetscape improvements, including pavers, ornamental trees and shrubs, drainage, and concrete curbs. Responsible for client management, project management, administration, and bid services.

Township of West Milford – Mount Laurel Park Improvements, West Milford, NJ

Project Manager - Design a six-acre municipal park, including one 90'x90' baseball diamond, one regulation multi-purpose soccer field, 65 space asphalt parking lot, and a 50'x100' skate park. Responsible for client management, project management, and administration.

Borough of Ramsey – Public Library Parking Lot Improvements, Ramsey, NJ

Project Manager - Designed a 45-space asphalt parking lot for the municipal library. Responsible for project management, administration, and securing NJDEP permitting.

Borough of Ramsey – Main Street Streetscape Improvements, Ramsey, NJ

Project Manager - Designed 2,500 – LF of municipal streetscape improvements, including imprinted paver sidewalks and crosswalks, ornamental bollards, ornamental streetlights, drainage, and concrete curbs. Responsible for project management and administration.

Town of Morristown – Railroad Plaza Streetscape Phase 2 Improvements, Morristown, NJ

Project Manager - Designed and constructed 2,000 – LF of municipal streetscape improvements, including concrete pavers, ornamental streetlights, ornamental signs, drainage, and granite block curbing. Responsible for project management, administration, and bid services.

Town of Morristown - Planning and Zoning Board Reviews, Morristown, NJ

Assistant and alternate to the engineer – Responsible to both the Planning Board and the Zoning Board of Adjustment, reviewed numerous applications for compliance with the municipal land development ordinance. In addition, he provided inspection services to make sure construction activities conform to the approved plans. Projects he has worked on include Chancey Square, a 140-unit midrise apartment complex; a 700-car parking garage; Morristown Plaza, a 160-unit midrise apartment complex; two 100+ unit assisted-living facilities; and many projects associated with the expansion of Morristown Memorial Hospital and its affiliated organizations. In addition, he has reviewed and inspected numerous other projects in the town.

Town of Morristown – Washington Ave. Improvements, Phase 1 & Phase 2, Morris Street to Olmstead Road, Morristown, NJ

Project Manager - Designed and reconstructed 5,500 – LF of municipal road resurfacing and reconstruction improvements, including drainage, full depth, and mill/overlay asphalt pavement and concrete curb. Responsible for project management, administration, and bid services.



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Township of Parsippany-Troy Hills – Washington Street Improvements – Phase 1 and Phase 2, Parsippany, NJ

Project Manager - Design of 1,750 – LF of municipal road resurfacing and reconstruction improvements, including drainage, full depth, and mill/overlay asphalt pavement and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Parsippany-Troy Hills – Maple, Ash, and Elm Street Improvements, Parsippany, NJ

Project Manager - Design of a 1,500 – LF of municipal road resurfacing and reconstruction improvements, including drainage, full depth, and mill/overlay asphalt pavement and concrete curb. Responsible for client management, project management, administration, and bid services.

Township of Parsippany-Troy Hills – South Edwards Road Improvements, Parsippany, NJ

Project Manager - Design of 4,500 – LF of municipal road resurfacing and reconstruction improvements, including drainage, full depth, and mill/overlay asphalt pavement and concrete curb. Responsible for client management, project management, administration, and securing NJDEP permitting.

Borough of Glen Ridge – Bloomfield Avenue, Ridgewood Ave., and Freeman Parkway Lighting Improvements, Glen Ridge, NJ

Project Manager - Designed and constructed 5,000 – LF of municipal ornamental streetlight improvements in coordination with PSE&G. Responsible for project management and administration.

Borough of Glen Ridge - Hurrell Field Rehabilitation, Glen Ridge, NJ

QA/QC Manager – Responsible for rehabilitating natural turf athletic field and replacing cinder track with a synthetic track surface. Contracted services include design, construction documents, bidding assistance, and construction administration.

Borough of Glen Ridge - Palmer Field Renovations, Glen Ridge, NJ

QA/QC Manager – Responsible for reconstructing a natural turf multi-use athletic field for the Borough of Glen Ridge. Services included design, construction documents, bidding assistance, and construction administration.

Borough of Glen Ridge - Glen Bikeway Lighting, Glen Ridge, NJ

QA/QC Manager – Designed and constructed new electric service and site lighting for the bikeway/walkway adjacent to the Glen Ridge Train station. Services included construction document preparation, bid services, and construction administration.

Borough of Glen Ridge - Planning and Zoning Board Reviews, Glen Ridge, NJ

Assistant Engineer and Superintendent of Public Works - Reviewed numerous residential applications for compliance with the Glen Ridge Zoning and Land Use Codes. In addition, Mr. Hay worked as the town's licensed Building Inspector to ensure construction activities conformed to local approvals. Projects where he served in these capacities include sidewalk and handicap improvement at the Glen Ridge Country Club, construction of a ten-unit townhouse complex, improvements to the Glen Ridge Municipal Building, and numerous projects at Glen Ridge parks and playground facilities.

Borough of Glen Ridge - Water Main Improvements - Phase I, Glen Ridge, NJ

Upgrading 12,000-LF of existing six-inch and eight-inch water mains, including replacing existing online water valves and hydrants, to NJDEP Safe Water Drinking Act specifications. Instrumental in representing the municipality's interest in all aspects of contract administration and construction support services, including inspection of the project and the preparation of reports to the governing body and municipal engineer.

Borough of Glen Ridge - Highland Avenue Reconstruction, Glen Ridge, NJ

Reconstruction of 1,000-LF of municipal roadway. Responsible for contract administration and construction support services, including inspection of the project and preparation of reports to the governing body and municipal engineer.



Todd M. Hay, PE, CME

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Borough of Glen Ridge - Clay Field Improvements, Glen Ridge, NJ

Upgrading a 20,000-SF playground and park, including remediation of paddle tennis courts, building a little league tee ball field, and adding playground equipment. Responsible for contract administration and construction support services, including inspection of the project and preparation of reports to the governing body and municipal engineer.

Borough of Glen Ridge - The Glen Bikeway and Various Park Improvement Projects, Glen Ridge, NJ

Responsible for a feasibility study and conceptual/preliminary design for a bikeway and nature trail in an area of Glen Ridge off Stoney's Brook known as "The Glen." The project involved improving an undeveloped tract owned by the borough along Stoney's Brook with a 0.5-mile-long bikeway and 0.25 miles of various nature trails.

City of Bayonne - South Harbor Fire House, Bayonne, NJ

Principal Engineer – Responsible for designing and constructing a new firehouse to serve the east side of Bayonne. The site is located on the former Military Ocean Terminal, now part of the Bayonne Redevelopment area. Services included site design and engineering, stormwater management, and utility coordination. Services also include regulatory permitting and construction management.

City of Clifton - Zalenka Park Improvements Project, Clifton, NJ

Designed and constructed a multipurpose playing field with improved grading, drainage, irrigation, and playing field layout. Responsible for design, coordination, construction, and the preparation of bid documents.

City of Clifton - Entin Road/Carol Street Drainage Improvement Project, Clifton, NJ

Design of 1,200 – LF of large-diameter reinforced concrete pipe and site drainage improvements on a two-acre park. Instrumental in the oversight of design and construction plans as well as the preparation of bid documents.

Borough of Carlstadt - Sixth Street and Monroe Street Projects, Carlstadt, NJ

Reconstruction of 1,500 – LF of municipal roadway. Responsible for design and construction plans and the preparation of bid documents.

New Jersey American Water Company - Morris/Somerset County Transmission Improvement Project, Long Hill, NJ

Due to regional demand, the construction of 17,000 – LF of existing 16-inch and 24-inch water transmission mains. Responsible for the design and layout of transmission main and appurtenances for survey and construction issues.

County of Union - County-wide Roadway Improvements, County-wide, NJ (2009)

Project Manager – Designed and constructed administration of 14 miles of county road reconstruction improvements, including concrete sidewalk, drainage, handicap ramps, mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, and administration.

County of Union – Two Cranford and Three Elizabeth Traffic Signalization Improvements, Cranford/Elizabeth, NJ

Project Manager – Designed various four-way traffic signalization improvements at five locations on county roadways. Responsible for client management, project management, and administration.

County of Union – Springfield and Union Avenue Traffic Signalization Improvement, New Providence, NJ

Project Manager – Design of three-way traffic signalization improvements on County roadways. Responsible for client management, project management, and administration.

County of Union – Broad Street Revitalization Summit Improvement, Summit, NJ

Project Manager – Construction administration and inspection of 9,000 – LF of county road reconstruction improvements, including concrete sidewalk, drainage, handicap ramps, mill/overlay asphalt pavement, and concrete curb. Responsible for client management, project management, and administration.



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County of Union – Black Brook Park Bicycle Crossing, Kenilworth, NJ

Project Manager – Designed a bicycle crossing at County Park and municipal roadway. Responsible for design, client management, project management, and administration.

County of Morris - Planning Board Reviews, County-wide, NJ

Consultant to the Planning Board - Reviewed numerous site plans and subdivision applications for compliance with county development standards. In addition, Mr. Hay participated in the training of county employees in subdivision and site plan review.

STATE EXPERIENCE

NJDOT and NJ Transit Non-Real Estate Evaluations – Various Sites, NJ

Performed field surveys and record reviews to prepare nonreal estate Cost-to-cure studies associated with the proposed land takings located at five sites throughout the State by the New Jersey Department of Transportation and New Jersey Transit. Prepared existing and proposed conditions drawings utilized to illustrate the impacts of the takings. Interfaced with property owners and local zoning officials and developed conceptual site plans illustrating the proposed solutions. Prepared associated cost estimates and reports for use by the NJDOT in land acquisition negotiations. Present for depositions and testified for State at hearings.

FEDERAL EXPERIENCE

Limited Port of Entry (LPOE) Modernization Projects – Various Locations in NY, VT, NH, and NM

Design of Border Crossings on the Canadian and Mexican Border as part of a Design-Build initiative. Proposed improvements included a new 5,000-SF post building with associated hardscape and landscape. Oversee analysis of parking, landscaping, stormwater management, and lighting requirements and submitted conceptual site plans to the client. Prepared survey, detailed demolition, site, grading, soil erosion, and utility plans and specifications for use in construction and obtaining regulatory permits. Responsible for Client Management, Quality Assurance, and Quality Control.

United States Military Academy - New Preparatory School – West Point, NY

Preparation of a 60% Design/build request for proposal initiative for a new preparatory school and relocated fleet maintenance center at the United States Military Academy in West Point, NY. Proposed improvements included educational, dining, and barracks buildings, three artificial turf athletic fields, parking areas, and roadways over a 25-acre site. Oversee analysis of parking, landscaping, stormwater management, and lighting requirements and submitted conceptual site plans to the client. Prepared detailed demolition, site grading, soil erosion, utility plans, specifications for use in construction, and obtaining regulatory permits. Responsible for Client Management, Quality Assurance, and Quality Control. *This project was a Design-Build Merit Award Winner at the 2012 DBIA National Design-Build Awards.*

Keller Hospital - Addition, West Point, NY

Project Manager – Developed a 45,000-SF addition to an existing hospital at the USMA in West Point. Responsible for survey, layout, grading, drainage, soil erosion, cost estimating, and procuring stormwater and soil erosion permits from the New York State Department of Environmental Conservation (NYSDEC). Responsible for client and project management.

Naval Submarine Base - Youth Activity Center Addition – Groton, CT

Project Manager – Developed a 10,000-SF addition to the existing YAC off-base. Responsible for layout, grading, drainage, soil erosion, and stormwater management design as part of a Design-Build Initiative.

United States Coast Guard - Sandy Hook Building 503 Security – Sandy Hook, NJ

Project Manager – Prepared site plans for security fencing and ingress/egress for building security at the dilapidated USCG facility. Responsible for layout, construction details, and construction specifications.

USACE - East Moriches, Fire Island Emergency Breach Replenishment, Southampton, NY

This project involved the establishment of beach and structural fill replenishment in the wake of the 1993 Nor'easter to East Moriches-Fire Island. While at the USACOE, Mr. Hay was responsible for the civil design aspect of the project, including grading, cut-and-fill analysis, and cost estimation.



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USACE - Hudson River (West Shore) and Brooklyn Army Terminal (BAT) Drift Removal, NY, NY

This project involved cataloging shore debris, such as piers, ship hulls, collapsed wharves, and bulkheads, and preparing plans and specifications for bidding purposes. While at the USACOE, Mr. Hay was responsible for the civil design aspect of the project, including field inspection and report writing, cost estimation, plan preparation, and specification preparation.

Lakehurst Naval Air Engineering Station – New Warehouse, Lakehurst, NJ

QA/QC Manager - Provided site engineering design services for constructing a 5000-SF warehouse and a 200-foot access driveway and interfaced with Navy Engineering and Environmental Departments to determine project requirements. Oversee preparation of bid documents, including site, grading, demolition, and landscaping plans, specifications, and permit applications. Oversee preparation of cost estimates and stormwater reports. Responsible for Quality Assurance and Quality Control.

HIGHER EDUCATION AND K-12 EXPERIENCE

Kean University - Athletic Fieldhouse Sewer, Union, NJ

Project Manager – Principal is responsible for designing and constructing a 400LF 6” sewer main extension on campus for the newly constructed fieldhouse. The work consisted of preparing NJDEP TWA permits and sewer plans, profiles, details, calculations, construction administration, and inspection. The work consisted of preparing NJDEP TWA permits and sewer plans, profiles, details, calculations, construction administration, and inspection. Responsible for client and project management.

Kean University - Science Center, Union, NJ

Project Manager – Principal for design and construction of 256-LF of 8” sanitary sewer extension, 354-LF of 2.5” force main, and a pump station to supply a new science building on campus. Responsible for client and project management.

Kean University - Green Lane Building, Union, NJ

Principal is responsible for designing and constructing a new 100,000-SF, 5-story academic building with ground-floor bookstore and café amenities. Services included site design and engineering, stormwater management, and utility coordination. Regulatory permitting includes NJDEP Water Extension and Treatment Works Approval.

Kean University – North Avenue Multi-Purpose Building, Union, NJ

Principal for designing and constructing a new 100,000-SF, 5-story academic building with a ground-floor amphitheater. Services included site design and engineering, stormwater management, and utility coordination. Regulatory permitting includes NJDEP Water Extension and Treatment Works Approval.

Mercer County Community College – Maintenance Building Improvements, Trenton, NJ

Project Manager – Principal for the design of the removal of an underground storage tank and associated interstitial pipes within a maintenance garage on campus. The work consisted of preparing plans and construction documents to assist the college. Responsible for client and project management.

Springfield Township Board of Education – Jonathan Dayton High School Athletic Field Complex, Springfield, NJ

Principal for the design and construction of a new 200,000-SF athletic field complex, which consists of a synthetic field turf for football, soccer, softball, and five tennis courts, as well as a new 1,200-SF field house, a 500-seating grandstand with press box, scoreboard, and infrastructure improvements.

Springfield Township Board of Education – Tree Top Drive/Mountain Avenue Due Diligence, Springfield, NJ

Project Manager – Principal is responsible for preparing a due diligence report for two vacant Board of Education properties. The work involved investigation, zoning analysis, and environmental assessment, responsible for client and project management.

Franklin Township Board of Education – District-wide Long-Range Facility Plan, Somerset, NJ

Project Manager – Principal for preparing an LRFP for 14 school facilities district-wide. The work consisted of site and land use planning and building systems planning. Responsible for client and project management.



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Lebanon Township Board of Education - Valley View Elementary School – Playground Improvements, Lebanon, NJ

Project Manager – Principal for the design of two age-appropriate playground structures, a basketball court, and ADA-compliant ingress and egress to the facilities. The work consisted of preparing plans and construction documents to assist the school. Responsible for client and project management.

Lebanon Township Board of Education - Valley View Elementary School – Parking Lot Improvements, Lebanon, NJ

Principal for design and construction of parking lot repairs at the Municipal Complex. Services included construction document preparation, bid services, and construction administration.

East Orange Board of Education – Various Playground Improvements, East Orange, NJ

Project Manager – Principal for the design and construction of five new playgrounds at various schools within the school district. The work consisted of preparing layout, grading, drainage, permitting, bid documents, construction administration, and inspection. Responsible for client and project management.

Mercer County Technical Schools – Various Roadways Paving Program, Ewing, NJ

Principal – Responsible for preparing bid documents for the milling, repaving, and reconstruction of parking lots, sidewalks, curbs, and drainage at two campuses. The work consisted of preparing plans and construction documents to assist the school. Responsible for client and project management.

Franklin Township Board of Education – Long Range Facility Plan, Somerset, NJ

Principal – Responsible for preparing a long-range facility plan for all schools and undeveloped properties owned by the Board of Education. The work involved investigation, zoning analysis, and environmental assessment, responsible for client and project management.

Glen Rock Board of Education - Athletic Field Complex Rehabilitation, Glen Rock, NJ

Principal – Responsible for reconstructing the existing athletic field complex at Glen Rock High School. The project includes the reconstruction of a turf grass field and synthetic track and a turf grass field as well as new tennis courts. The project involves constructing retaining walls to update the fields to standard slope and grading and extensive drainage improvements. Services also include regulatory permitting and construction management.

North Arlington Board of Education, Athletic Field Replacement, North Arlington, NJ

Principal – Reconstructing the existing athletic field complex along River Road in North Arlington. The site on the Passaic River is remote from the high school campus. The project proposes the construction of a new synthetic track and synthetic track to replace the existing grass turf field and cinder track. The project included new bleachers, a press box, and a new field house and concession area building. Regulatory permitting includes County approval and NJDEP Upland Waterfront Development Permit.

Nutley Board of Education, Middle School Addition, Nutley, NJ

QA/QC Manager - Designed and Constructed a 20,000 SF addition to the existing Franklin Avenue middle school. Services included project administration and construction inspection. Responsible for Quality Assurance and Quality Control.

Parking Lot Repairs, Cranbury Board of Education, Cranbury, NJ

Design and construction of parking lot repairs at the Municipal Complex. Services included construction document preparation, bid services, and construction administration.

Wyckoff Public School Additions, Wyckoff, NJ

Value engineering and construction support services are provided by the four elementary schools and the middle school in the Wyckoff School District. Services include review of construction documents for value engineering bid support and project administration.

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Parsippany-Troy Hills Board of Education – Vail Elementary School Parking Lot Improvements, Parsippany, NJ

Remediation and improvement of an elementary school parking lot layout and drainage. Responsible for preparing design, construction documents, and local and regional applications for the project. He was instrumental in the cost-effective use of remediation.

PRIVATE DEVELOPMENT EXPERIENCE

AIG – Teterboro Airport Parking Lot Improvements, Teterboro, NJ

Project Manager – Responsible for developing plot plans and construction support services for a new parking lot for the AIG Jetport. The work entailed permitting through the Port Authority of NY and NJ Tenant Alteration Application process and being responsible for client and project management.

Northfield Village, West Orange, NJ

Project Manager – Developed plot plans and construction support services for 20+ single-family homes. Responsible for client management, project management, and administration.

Sunset Ridge, Livingston, NJ

Project Manager – Developed plot plans and construction support services for 10+ single-family homes. Responsible for client management, project management, and administration.

Chase Bank – Various Branch Locations in NJ, NY, CT

Project Manager – Principal for the design and construction administration of three branches in various states. Responsible for client management, project management, and administration.

Walgreen's Wall Due Diligence Study – Wall, NJ

Project Manager – Principal for the due diligence study for redeveloping a five-acre site with 35,000 SF buildings. Responsible for client management, project management, and administration.

Jos. A Muscarelle Warehouse development, Wayne, NJ

Project Manager – The principal for the design of a one-acre parking lot is to expand parking operations at a 100,000 SF warehouse. Responsible for client management, project management, and administration.

Weequahic Park - Lake Restoration – Phase 1 and 2, Newark, NJ

Project Manager – Designed and constructed park improvements to an 80-acre lakefront. Park improvements included grading, drainage, ecological restoration, and permitting. Responsible for client management, project management, and administration.

Wayne Commons, Wayne, NJ

Project Manager – Developed administrative court order documentation to assist the owner with stream encroachment permitting. The work consisted of preparation of cut-and-fill calculations, hydrology and hydraulics, and reports. Responsible for client management, project management, and administration.

DCH Auto 613 and 700 Waverly Place, Mamaroneck, NY

Project Manager – Principal for construction support services for developing an automobile service center parking, ingress/egress, drainage, sidewalks, and curbs. The work consisted of grading, drainage, and permitting. Responsible for client management, project management, and administration.

Toll Brothers City Living – Provost Square, Jersey City, NJ

Project Manager – Principal for designing and constructing a 450-unit, 38-story residential rental development. Work consisted of permit preparation, plan preparation, and construction documents. Responsible for client management, project management, and administration.



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Toll Brothers City Living – Hudson Tea Building E, Hoboken, NJ

Project Manager – Principal for designing and constructing a 236-unit, 13-story residential rental development. Work consisted of permit preparation, plan preparation, and construction documents. Responsible for client management, project management, and administration.

Simon Development Property Group – Rockaway Mall – Detention Basin Rehabilitation, Rockaway, NJ

Project Manager – Principal for the preparation of permitting and bid documents for two detention basins at the mall. Work consisted of permit preparation, plan preparation, and construction documents. Responsible for client management, project management, and administration.

Simon Development Property Group – Rockaway Mall – Five Guys Burgers, Rockaway, NJ

Project Manager – The principal is responsible for preparing permitting and bid documents for the modified store at the mall. Work consisted of permit preparation, plan preparation, and construction documents. Responsible for client management, project management, and administration.

Simon Development Property Group – Rockaway Mall – Nordstrom Rack, Rockaway, NJ

Project Manager – Principal for the preparation of permitting and bid documents for the modified store at the mall. Work consisted of permit preparation, plan preparation, and construction documents. Responsible for client management, project management, and administration.

The Newark Museum – Demolition, Newark, NJ

Project manager - As part of an overall team, assisted with demolishing an acquired building to make way for a new museum structure in the future. Coordinated the termination and removal of existing utility services and prepared demolition plans and specifications for the project.

Precision Pharma Services Incorporated – Tanker Unloading Facility, Melville, NY

Project Manager and QA/QC Manager – Responsible for designing and constructing a tanker truck unloading facility at a pharmaceutical manufacturing site in Melville, New York. The unloading facility consisted of five underground storage tanks, aboveground transfer piping, a pump house, and a canopy. Prepared demolition, site, grading, utility, and soil erosion control plans and specifications. Interfaced with geotechnical, structural, and mechanical engineers throughout the project. Prepared site plan applications and environmental assessments. Responsible for Client Management, Quality Assurance, and Quality Control.

Zeus Industrial Facility – Lab Facility, Branchburg, NJ

QA/QC Manager - Designed and administered construction of an 80,000-SF lab/production/research and development facility on 25 acres. Services included site design and engineering, stormwater management, state, county, and municipal permits, including wetlands and FHA. Responsible for Client Management, Quality Assurance, and Quality Control.

Staten Island Mall - Addition, Staten Island, NY

QA/QC Manager - Designed a 180,000-SF addition and new parking structure at the existing Staten Island Mall. Services include site design, drainage, stormwater management, and extensive relocation of existing utilities. Responsible for Quality Assurance and Quality Control.

Teicher - Redevelopment Project, Riverside, NJ

QA/QC Manager - Development of a 430-unit residential redevelopment of former Zurbrugg Hospital and surrounding vacant properties. Responsible for comprehensive site engineering, State, County, and Municipal regulatory permitting, and stormwater management. Responsible for Quality Assurance and Quality Control.

Dunkin Donuts - Renovation, East Windsor, NJ

QA/QC Manager - Renovation of a restaurant located on Route 130 for use as Dunkin Donuts. Responsible for Quality Assurance and Quality Control.



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Cumberland Farms – Multi-use service stations, Various Locations, NJ

Project Manager - Responsible for the layout, design, and construction of five service stations in New Jersey. Projects included field survey management, development of site plan drawings in conjunction with township zoning requirements, soil investigation and design of stormwater management facilities, provision for new utility services, and provision of field surveying and engineering support services during construction.

Tea Street Redevelopment Project – Phase I, Bound Brook, NJ

Redevelopment of a 13-acre tract for commercial use included an 85,000 SF supermarket and 12,000 SF fast-food restaurant along the Middle Brook branch of the Raritan River. Responsible for preparing stream encroachment documentation for NJDEP and USACE permits. Instrumental in hydraulic modeling for existing, proposed, and future conditions of the Middle Brook. Involved with site layout and design for submission to municipal and regional review boards. Mr. Hay prepared the Phase I stormwater management approval application to NJDEP.

North Brunswick Towne Centre – Phase I/II, North Brunswick, NJ

Development of a 22-acre tract for commercial use, including a 65,000 SF movie theatre and 60,000 SF supermarkets. Responsible for the site grading and drainage activities and preparing plans for submission to the local planning board. In addition, the stormwater management plan for the site was evaluated and met preexisting conditions for contribution to regional stormwater management plans in place. Also, responsible for feasibility studies of Phase II activities as they pertained to layout.

Peapack-Gladstone Affordable Housing, Peapack-Gladstone, NJ

Development of a three-acre tract for affordable housing, including 20+ multi-family units along Peapack Branch, a State Open Waters tributary. Responsible for preparing preliminary and final site plans for submission to the local planning board. Responsible for addressing stormwater management and site grading issues for this site. Also, prepared stream encroachment applications for submission to NJDEP.

River View Estates – Subdivision, Bernards, NJ

Residential development of a 22-acre tract to be subdivided into four exclusive single-family lots along the Dead River, a tributary of the Passaic River. Responsible for preparing and coordinating a major subdivision application and site plan application to local and regional planning boards and preparing a stream encroachment application to NJDEP.

Merck and Company, Inc.- Parking Lot Expansion, Readington, NJ

This project involved the 150+ parking stall expansion of an existing industrial facility. Responsible for site engineering plans and submittal for client review. Mr. Hay addressed the client's concerns about the site's layout, drainage, and alternative access.

Preakness Shopping Center –Movie Theater Expansion, Wayne, NJ

This project involved the expansion of a 50,000 SF movie theatre, including adding 250+ parking stalls. Mr. Hay was directly involved with the client for the site layout, grading, and drainage issues and prepared the application for local planning board approval. Instrumental in the conceptual layout of alternative parking schemes to meet local requirements.

ALTERNATIVE ENERGY WORK

UniSolar – Various Solar Sites NJ due Diligence, Various Locations, NJ

Project Manager - Principal for preparing a due diligence report for converting five gravel reclamation quarries to ground-based solar facilities state-wide. The work involved investigation, zoning analysis, and environmental assessment, responsible for client and project management.

GroSolar - PV Solar System, Bridgeport, NJ

Project Manager - Principal for designing and constructing a 1.2MW ground-based solar facility on an active landfill. The work consisted of due diligence, layout, grading, drainage, land use and environmental permitting, MEP, environmental engineering, construction inspection, and administration. Responsible for client and project management.



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Dynamic Solar/Centenary College - PV Solar System, Hackettstown, NJ

Project Manager – Responsible for designing and constructing a 750KW rooftop-based solar facility on various buildings at Centenary College. The work involved investigation, zoning analysis, and environmental assessment, responsible for client and project management.

Newark Liberty International Airport Fed Ex Warehouse - Marina Energy /Ray Angelini, PV Solar System, Newark, NJ

Project Manager – Responsible for permitting a 1MW rooftop-based solar facility on three Fed Ex warehouses at EWR. The work entailed permitting through the Port Authority of NY and NJ Tenant Alteration Application process and being responsible for client and project management.

Nexus Properties – Aberdeen Township Various Properties Solar Array, Aberdeen, NJ

Project Manager - Responsible for the civil design of five ground-based solar arrays at various municipally owned properties. Responsible for project management.

TELECOMMUNICATIONS WORK

Mr. Hay has been extensively involved in civil, structural, electrical, and environmental engineering for telecommunication work. He has extensive experience in site planning and development, including designing telecommunication buildings and structures and locating telecommunication facilities within existing structures. He has provided expert testimony to over 200 municipal planning and zoning boards in New Jersey and represented all licensees in the state. His experience includes:

MetroPCS – Cellular Telecommunication Installations, Various Locations, NJ/NY

Client Manager/Project Manager - Responsible for the layout and design of site plans and construction documents for five cellular communication installation sites in New Jersey. Involved in designing, permitting, and constructing various sites on Port Authority of New York and New Jersey properties. Projects included field survey management; development of site plan drawings in conjunction with township zoning requirements; analysis and design of potential raw land sites; soil investigation and design of equipment building and monopole foundations; providing for new electrical and telephone services; and providing field surveying and engineering support services during construction. MetroPCS cell sites consist of placing a concrete pad and/or steel platform at each site, various antenna locations (tower or monopole), electric and telephone installation, and an extensive grounding plan.

T-Mobile USA – Cellular Telecommunication Installations, Various Locations, NJ/NY

Client Manager/Project Manager - Responsible for the layout and design of site plans and construction documents for over 400 cellular communication installation sites in New Jersey and New York. Involved in designing, permitting, and constructing various sites on the State of New Jersey and Port Authority of New York and New Jersey properties. Projects include field survey management; development of site plan drawings in conjunction with township zoning requirements; analysis and design of potential raw land sites; soil investigation and design of equipment building and monopole foundations; providing for new electrical and telephone services; and providing field surveying and engineering support services during construction. T-Mobile cell sites include placing a concrete pad and steel platform at each site, various antenna locations (tower or monopole), electric and telephone installation, and an extensive grounding plan.

Bechtel Communications AT&T Wireless Turnkey – Cellular Telecommunication Installations, Various Locations, NJ

Client Manager/Project Manager - Responsible for the layout and design of site plans and construction documents for over 250 cellular communication sites in New Jersey. Involved in designing, permitting, and constructing two co-location sites on the Garden State Parkway. Projects include field survey management; development of site plan drawings in conjunction with township zoning requirements; analysis and design of potential raw land sites; soil investigation and design of equipment building and monopole foundations; providing for new electrical and telephone services; and providing field surveying and engineering support services during construction. AT&T cell sites include placing a concrete pad and/or steel platform at each site, various antenna locations (tower or monopole), electric and telephone installation, and an extensive grounding plan.



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AT&T Wireless Trident Amendment – Cellular Telecommunication Installations, Various Locations, NJ

Project Manager - Responsible for the layout and design of site plans and construction documents for over 20 expansion cellular communication sites in New Jersey. Projects include field survey management; development of site plan drawings in conjunction with township zoning requirements; analysis and design of potential raw land sites; soil investigation and design of equipment building and monopole foundations; providing for new electrical and telephone services; and providing field surveying and engineering support services during construction. AT&T cell sites include placing a concrete pad and/or steel platform at each site, various antenna locations (tower or monopole), electric and telephone installation, and an extensive grounding plan.

Lucent Technologies/Berliner Communications AT&T Wireless Turnkey – Cellular Telecommunication Installations, Various Locations, NJ

Project Manager - Responsible for the layout and design of site plans and construction documents for over 25 cellular communication sites in New Jersey. Involved in designing, permitting, and constructing two co-location sites on the Garden State Parkway. Projects include field survey management; development of site plan drawings in conjunction with township zoning requirements; analysis and design of potential raw land sites; soil investigation and design of equipment building and monopole foundations; providing for new electrical and telephone services; and providing field surveying and engineering support services during construction. AT&T cell sites include placing a concrete pad and/or steel platform at each site, various antenna locations (tower or monopole), electric and telephone installation, and an extensive grounding plan.

Nextel Communication – Cellular Telecommunication Installations, Various Locations, NJ/NY

Project Engineer/Manager - Responsible for the layout and design of site plans and construction documents for over 50 new-build and expansion cellular communication installation sites in New Jersey and New York. Nextel Communication cell sites consist of placing a modular building at each site, various antenna locations (tower, building, or monopole), electric and telephone installation, and an extensive grounding plan. Involved in designing, permitting, and constructing one new build site and one co-location site on the Garden State Parkway. Projects include field survey management; development of site plan drawings in conjunction with township zoning requirements; analysis and design of potential raw land sites; soil investigation and design of equipment building and monopole foundations; providing for new electrical and telephone services; and providing field surveying and engineering support services during construction.

Sprint Spectrum L.P. – PCS Telecommunication Installations, Various Locations, NJ/PA

Project Engineer - Responsible for developing site development plans and construction documents for over 100 PCS new-build and expansion communication sites in New Jersey and Pennsylvania. Involved in designing, permitting, and constructing four co-location sites on the New Jersey Turnpike. Projects include field survey; development of site plan drawings in conjunction with Township zoning requirements; analysis/design of potential raw land sites; soil investigation and design of equipment structure and monopole foundations; providing for new electrical and telephone services; and providing field surveying and engineering support services during construction. Sprint Spectrum cell sites consist of placing a concrete pad and/or steel platform at each site, various antenna locations (tower or monopole), electric and telephone installation, and an extensive grounding plan.

Verizon Wireless – Cellular Telecommunication Installations, Various Locations, NJ

Project Engineer - Responsible for the layout and design of site plans and construction documents for over 20 cellular communication installation sites in New Jersey. Bell Atlantic Mobile cell sites consist of placing a modular building at each site, various antenna locations (tower or monopole), electric and telephone installation, and an extensive grounding plan. Projects include field survey management; development of site plan drawings in conjunction with township zoning requirements; analysis and design of potential raw land sites; soil investigation and design of equipment building and monopole foundations; providing for new electrical and telephone services; and providing field surveying and engineering support services during construction. Responsible for coordinating and developing Wetlands and Stream Encroachment Applications to NJDEP for over six potential cellular site locations.

PUBLICATIONS AND PRESENTATIONS

NA



Todd M. Hay, PE, CME

Regional Vice-President

SUPPLEMENTAL INFORMATION (INTERNAL USE ONLY)

Editorial Comments: *Confidential Projects or Experience that should not be used without permission.* **IBM/Goldman Sachs**

IBM - Data Center Infrastructure Upgrades, Sterling Forest, NY

QA/QC Manager - Designed and constructed a new chiller plant and generator plant to expand the services within an existing campus. Services included securing local planning board approval. Responsible for Quality Assurance and Quality Control.

IBM - Data Center Infrastructure Upgrades, Southbury, CT

QA/QC Manager - Designed and constructed additions to an emergency generator plant to expand the services at an existing data center. The project also includes the expansion of the fuel storage facility. Responsible for Quality Assurance and Quality Control.

Goldman Sachs – New Data Center, Bridgewater, NJ

QA/QC Manager - Development of a 260,000 SF data center for major financial services company. Services included due diligence for property acquisition, site planning and engineering, stormwater management, and regulatory permitting with State, County, and Municipal agencies. Responsible for Quality Assurance and Quality Control.

Pennoni Hire Date - 3-1-05.

Years with Other Firms - 13

Work History - 1997 – 2005: Dewberry, Municipal Department Manager

Expired Certifications and Registrations: None

Teaching History – none

Continuing Education: None

Community Affiliations: None

Publications older than 10 Years: None

