

Renee L. Codega, PE

Senior Project Engineer



Renee is a Senior Project Engineer and Chief Reviewer with VHB's Land Development Group in Rhode Island. Her engineering focus has been on health care and institutional projects, and she has extensive experience on large-scale retail, industrial, and commercial developments and residential complexes. Her civil engineering experience includes the preparation of due diligence studies, site engineering, hydrologic modeling, hydraulic systems analysis and design, utility design, stormwater management design, and environmental permitting.

Education

BS, Civil Engineering,
University of Rhode Island,
1987

Registrations/Certifications

Professional Engineer (Civil)
RI, 1996

Professional Engineer (Civil)
MA, 1994

Affiliations/Memberships

Local Community/Project
Committee, University of
Rhode Island Senior
Capstone Project (2013,
2014), Professional Mentor

Rhode Island Healthcare
Engineers Society, Rhode
Island, 2015

30 years of professional experience

National Grid, Chase Hill Substation, Hopkinton, RI

Renee was Senior Project Engineer for environmental licensing permitting services for a new substation and transmission tap distribution feeder getaways in Hopkinton, Rhode Island. She provided site/civil design for the access drive to the substation and transmission lines. She provided stormwater design and permitting for the project. The project includes a stream crossing and sensitive wetland area mitigation.

National Grid, Highland Park Substation, Cumberland, RI

Renee was Senior Project Engineer for environmental licensing permitting services for a new substation in Cumberland, Rhode Island. She also provided stormwater design and permitting for the project.

257 Thayer Street, Providence, RI

Renee was Senior Project Engineer for the development of a four-story, 98-apartment complex with 75-car underground parking aimed at area college students. Design responsibilities included civil/site design, utility design, stormwater design, and LEED credit certification, as well as coordination with the owner, architect, and other consultants. Scope included the production of all civil design plans and reports as well as applicable permits obtainment, which included Department of Public Works and the Narragansett Bay Commission.

Fidelity Regional Campus, Smithfield, RI

Renee was Senior Project Engineer for the design, permitting, and construction of a 570,000-square-foot LEED-certified office building, 2,800-vehicle parking garage, and 4,000 linear feet of roadway extension. Design responsibilities included grading and stormwater management design. Coordinated efforts between owner, architect, and other extensive team members. Renee prepared site plans and coordinated in-house design tasks between various VHB departments.

St. Claire Home Expansion, Newport, RI

Renee was Senior Project Engineer for the expansion and renovation of the Saint Clare Home located on Spring Street in Newport, Rhode Island. The existing facility has 47 skilled nursing beds and will be renovated and expanded to add 13 skilled nursing beds and 40 new assisted living units. The design included rain gardens, pervious pavement and pavers, and a detention system that will allow the facility to separate and disconnect stormwater from the existing combined sewer overflow (CSO) and tie directly to a dedicated storm drainage system. Renee was responsible for the design of

the above site elements and for preparation of the permit application packages with the City of Newport and the Rhode Island Department of Environmental Management (RIDEM).

Kent Hospital Medical Office Building, Warwick, RI

Renee provided civil engineering services for the design, permitting, and construction of a 60,000-square-foot medical office building (MOB) at Care New England's Kent Hospital. She assisted with site yield assessment, site layout and parking lot design, stormwater design with low impact design elements, site grading, and utility infrastructure design. Her work included the production of civil design documents including permit plans, reports, construction documents, and construction administration.

Lifespan, CORO Building Upgrades, Providence, RI

Renee provided project engineering services to support the growth and development initiatives at the Coro East Building site. The Coro Building is operated by the Lifespan academic medical center and houses medical office and research space. She supported this expansion project by providing infrastructure planning and design, site/civil engineering, and permitting services for several infrastructure upgrades. Renee assisted in coordinating with the Narragansett Bay Commission (NBC) and Rhode Island Department of Environmental Management (RIDEM) to prepare site/civil plans for permitting. Additional services provided by VHB included developing a Spill Prevention, Control and Countermeasures Plan based on the proposed site conditions.

Navigant Credit Union, Chepachet, RI

Renee was Senior Project Engineer for the site development of a new branch office in Chepachet for Navigant Credit Union. Design responsibilities included civil/site design, utility design, and stormwater design, as well as coordination with the owner, architect, and other consultants. Scope included the production of all civil design plans and reports as well as applicable permits obtainment

Navigant Credit Union, North Smithfield, RI

Renee was Senior Project Engineer for the site development of a new branch office in North Smithfield for Navigant Credit Union. Design responsibilities included civil/site design, utility design, and stormwater design, as well as coordination with the owner, architect, and other consultants. Scope included the production of all civil design plans and reports as well as applicable permits obtainment, which included local permits and the Rhode Island Department of Environmental Management.

Citizens Bank, 'JB' Facility Improvements, 555 Jefferson Boulevard, Warwick, RI

Renee was the Senior Project Engineer for the design, permitting and construction of the parking lot expansion and renovation at Citizen Bank's JB facility. Design services included demolition of existing buildings, design and permitting of the new parking lot with low impact development (LID) stormwater management elements, and landscape and lighting. Renee's work included the production of civil design documents including permit plans, reports, construction documents and construction administration.

Brown University, Applied Math Building, Providence, RI

Renee was the Chief Reviewer for the civil design for quality and value of a new 13,000-gross-square-foot, three-story structure for the Brown University Applied Math

Department. The project includes the installation of rain gardens, sand filters, and a new landscape quad that provide significant reductions in stormwater discharge from the project site. The project received approvals from the Narragansett Bay Commission for sewer and stormwater connections and is designed to meet LEED Gold rating with the United States Green Building Council (USGBC).

Brown University, Hunter Lab, Providence, RI

Renee was the Chief Reviewer responsible for quality review for the renovation of a 55,000-gross-square-foot, four-story structure that was being renovated into new classroom lab spaces. This two-phase project included renovation and addition to the Hunter Lab building during the first phase of the project and demolition of an existing adjacent building to extend the Brown University central walk in the second phase. The green space created adjacent to the building included a pedestrian plaza, rain gardens, and a 10,000-gallon underground cistern in the plaza that will collect roof runoff for reuse as grey water for toilets.

Brown University, Metcalf, Miller, & Andrews Residence Halls Renovations, Providence, RI

Renee was the Chief Reviewer for the civil design for quality and value on this design-build project to help Brown University upgrade residential facilities and help create a campus that is accessible and sustainable. She provided design plan review for the replacement of aging infrastructure services for these residence halls and upgraded entrances and campus walkways to provide accessible entrances to these historic residence halls

Johnson & Wales University, Health Sciences School of Physician Assistants, Providence, RI

Renee was the Chief Reviewer for civil engineering and permitting services for the renovation and repurposing of a two-story historic building that will be used as the Johnson & Wales University Health Sciences School of Physician Assistants. Located at the intersection of Clifford and Claverick Street in Providence, the project is immediately adjacent to the new development parcels of the former Route 195 lands. Renee reviewed the design of the utility services, streetscape improvements, and stormwater mitigation, and was responsible for reviewing the permit application packages for the Rhode Island Department of Transportation (RIDOT), City of Providence Department of Public Works, City Forester, Narragansett Bay Commission, and Providence Water Supply Board.

Rhode Island College, Electric and Communications Service Upgrades, Providence, RI

Renee is the Chief Reviewer for the civil design for quality and value for the reconfiguration and reconstruction of the aging electric and communications primary services for Rhode Island College. The project includes a three-phased approach to reconstruct the campuses primary electric service, including a new substation. The project included the relocation of overhead telecommunications and primary electric service to an underground system, reconstruction of surface improvements, and installation of new campus lighting.

Rhode Island College, On-Call Assignments, Providence, RI

Renee is the Chief Reviewer for the civil design for quality and value for multiple on-call assignments at Rhode Island College including the design and permitting for the reconfiguration and renovation of parking lot B and D, a parking garage study, and reconfiguration of the loading area for the Nazarian Center for the Performing Arts. The designs include revising the parking layout to improve circulation and parking efficiency, grading revisions to alleviate ponding, pavement renovation studies, and stormwater design to address drainage problems, improve collection, and enhance water quality.

Roger Williams University, Sailing Center, Bristol, RI

Renee served as Chief Reviewer for the civil design for quality and value for site layout, grading, stormwater, and utility design and permitting for the sailing center. The project, which included design of low impact development (LID) techniques for stormwater management, also called for permit applications with the Town of Bristol and the Coastal Resource Management Council.

Saint George's School, Dupont Science Building, Middletown, RI

Renee was the Chief Reviewer responsible for the quality and value of the site design, permitting, and construction documents of the addition to the Dupont Science Building and the expansion of the parking lot adjacent to the Drury/Grosvenor Center for the Arts. The project included pervious asphalt paving for 30 new parking spaces and a sand filter and bioretention area for the building expansion.

Randolf Way Subdivision, Portsmouth, RI

Under an on-call contract with the Town of Portsmouth, Renee performed a peer review of the proposed Randolf Way Subdivision, a 13-lot residential development for compliance with the town's Land Development and Subdivision Regulations, the Zoning Ordinance, Soil Erosion and Sediment Control Ordinances, the Stormwater Discharge Control Ordinance, and the Rhode Island Stormwater Design and Installation Standards Manual. She attended working meetings with the project's engineer to discuss project compliance deficiencies and attended the Planning Board's public hearing to provide final review and recommendations to the Board.

On-Call Engineering Services, Portsmouth, RI

Senior Project Engineer responsible for peer review of the proposed Carnegie Abbey project, a 131-acre planned resort development in Portsmouth, Rhode Island for compliance with Town Zoning and Subdivision ordinances and bylaws. Attended working meetings with project developer and engineer and Town officials to discuss project compliance deficiencies. Attended the Planning Board's public hearing to provide final review and recommendations to the Board.