

Qualifications...

Residential Engineers is run by Dr. Martin Rooney, a licensed civil engineer. His qualifications include:

Certifications:

- Licensed engineer and surveyor 25+ years
- Licensed Title 5 (septic) inspector
- Licensed Title 5 (septic) designer (residential and commercial systems)
- Licensed Soil Evaluator
- Licensed Contractor

Education:

- Bachelors degree in Civil Engineering from UMass Dartmouth
- Master's degree in Civil Engineering from Carnegie Institute of Technology
- Doctorate degree in Civil Engineering from Carnegie-Mellon University
- Former professor of Civil Engineering at Rensselaer Polytechnic Institute

Memberships:

- American Society of Civil Engineers
- American Concrete Institute
- National Fire Protection Association (including electrical code section)
- Better Business Bureau
- Marlborough Chamber of Commerce
- Business Network International

Summary...

Death and injury result from not following safety rules. Time, money, and materials are wasted from not planning ahead. Residential Engineers designs projects that are safe and minimize waste.

Residential Engineers is a full-service civil engineering firm specializing in residential and small commercial customers that need:

- Structural design & repair
- Title 5 (septic) systems
- Environmental & wetlands issues
- Site planning & surveying
- Foundation design & repair
- Construction management
- Parking and paving designs
- Safety analysis and upgrades

Our goal is to make your property a functioning and safe space while protecting your neighbors and the environment. We are fully licensed as engineers by the Commonwealth of Massachusetts, and are fully insured.

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Residential Engineers, Inc.

“Engineering is safety by design”



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What ...

Residential Engineers is fully licensed to provide services for new and existing:

- Single & multi-family homes
- Condominiums (individual units, common areas, and grounds)
- Mobile homes
- Apartment buildings
- Home/business combinations
- Commercial and industrial properties

No job is too small or too complex.

How...

Residential Engineers provides professional solutions that meet or exceed:

- MA Building Code
- MA Title 5 (septic) Regulations
- MA Wetlands Regulations
- MA Stormwater Regulations
- All Federal Standards
- Local zoning, planning board, building department, and conservation bylaws

Where ...

Residential Engineers serves all Metro-West communities.

Your Projects...

Residential Engineers can plan and coordinate the construction of all of your projects including:

- Septic systems
- Additions and remodeling
- Kitchen and baths
- Stairways, decks, and walkways
- Handicapped access
- Sunrooms and greenhouses
- Garages, carports, barns, stables, and sheds
- Pools and patios
- Foundations and footings
- Retaining walls (all materials)
- Structural problems
- Driveways and parking lots
- Drainage problems
- Energy conservation upgrades
- Integrated utility systems including electrical power, plumbing, and communications
- Fences and safety barriers
- Advanced home inspections
- Do-it-yourself advice
- Grading and landscaping
- Significant structures (large signs, antennae, flagpoles, etc.)

Our Services...

Residential Engineers can provide a wide-range of design, planning, and construction coordination services including:

- Building plans and drawings
- Site plans including drainage, plantings, and land usage
- Obtaining permits and approvals
- Full Title 5 (septic) system designs
- Soil evaluation for Title 5 (septic), drainage, and foundation design
- Total project management
- Building code compliance
- Fire and safety code compliance
- Wetlands, zoning, and EPA reviews
- Surveying of property lines, setbacks, building locations, and contour mapping
- Concept drawings and models
- Architectural renderings
- Parking lot designs
- Structural design of concrete, steel, and timber
- Selection and qualification of contractors and vendors
- As-built plans and final inspection certificates
- Plot plans and VA property inspections