The Falcon Group

ENGINEERS, ARCHITECTS AND ENERGY CONSULTANTS

Andrew Amorosi, P.E., R.S.

Principal

EDUCATION:

Bachelor of Science, Civil Engineering, New Jersey Institute of Technology

LICENSES/CERTIFICATIONS:

Licensed Professional Engineer–P.E.:
New Jersey
New York
Maryland
Pennsylvania
South Carolina
Virginia
Washington D.C.

MEMBERSHIPS:

Member, American Society of Civil Engineers

Member, National Society of Professional Engineers

Member, Chi Epsilon, National Civil Engineering Honor Society

New Jersey Concrete Placement Special Inspector

NJCAI Certified Mediator

PROFILE:

Mr. Andrew Amorosi is the Managing Principal for engineering design and production for the firm's civil engineering design projects. He has been the engineer of record on over 200 successful roadway improvement projects. Included in his responsibilities are residential subdivision lot layout, street and roadway design, including horizontal and vertical geometry, stormwater management, drainage, grading and wastewater sewer design. He is also responsible for the preparation of plans and specifications for the implementation of roadway construction, sanitary sewer and drainage improvements. Related areas of work include preparation of applications to the New Jersey Department of Environmental Protection for Stream Encroachment Permits, Wetland Permits, and Sanitary Disposal Permits, Municipal and County Planning Boards, and Soils Conservation Service Offices. He has extensive experience in 3rd party plans and specifications review.

Mr. Amorosi is also very knowledgeable in site feasibility analyses for land development as well as below-grade water infiltration detection, waterproofing designs and foundation reconstruction.

Mr. Amorosi maintains the chief responsibility for the inspection and observation of all site-related construction for multi-family developments, including the preparation of estimates for bonding, final inspection and release of sureties posted by the developer.

Mr. Amorosi conducts the analysis of numerous site construction problems, roadway reconstruction projects and the preparation of design documents for correction of these problems, the preparation of design documents and specifications for the replacement of retaining walls, detention basins, decks, balconies, and the analysis and design of remedial construction measures for foundation related problems, including water infiltration and foundation failures. Remedial measures have ranged from reinforcing existing foundations and installation of waterproofing measures, to complete removal and replacement of existing foundations walls.

Mr. Amorosi is also the managing principal for the preparation of capital reserve and transition studies or engineering reports for community associations and has achieved the CAI National Professional Designation as a Reserve Specialist (R.S.).

Other community association related projects have included analysis and development of corrective measures for failing stormwater and sanitary sewer systems, and other site design defects. Mr. Amorosi sustains a high involvement in the evaluation of community association common elements to determine the feasibility of replacement or repairs.

Mr. Amorosi is also a NJCAI certified mediator.

Published Articles:

- Consider solar power when replacing site and building lighting
- Reducing or Avoiding Winter's Havoc
- Transition inspections: What are engineers looking at?
- The great debate: Should we reserve for siding?
- Deicers and concrete. Vinegar and oil?
- Reconstruction of asphalt pavement systems:
- Proper planning, budgeting and methods are essential
- Estimating reserve construction costs: Coming up short?
- Underfunded reserves: A community's nightmare
- Playground safety: Protect your children and your Association
- The role of the Engineer to Community Associations
- Drainage deficiencies: Analysis and repairs
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Continuing Education:

- Underground Stormwater Storage and Infiltration for Sites with Challenging Inverts and Limited Space
- From the Ground Up: Geotechnical Engineering and Subsurface Investigations
- Digital Signatures and Seals – An Introduction
- Professional Engineering Ethics 101
- Concrete Removal, Repair and Maintenance
- Storm Water Best Management Practice Design: Basins
- An Introduction to Interior Lighting Design
- Post Construction Storm Water Management – Structural BMP's
- Earth Retaining Structures
- IBC - Inspecting Soils, Footings, Foundations & Concrete Slabs
- Helical Foundation Systems, Helical Soil Nails and Push Piers
- Training and Mediation for Condominium Disputes
- Geotechnical Reports and Designs
- NJ-DCA- A18 Rehabilitation Subcode
- Lorman- Pervious Concrete
- Lorman- Building Codes
- ASCE- Project Communication
- ACI- Troubleshooting concrete construction
- Sika- TCM monitoring and solutions for steel frame building corrosion
- Lorman- Assessing and addressing aging water distribution systems
- Lorman- Construction contract changes, extra work claims, and differing site conditions
- ACI- Concrete repair basics
- Wabo- Strengthening concrete structures with FRP
- Unitex- Rehabilitation of concrete structures
- Degussa- Corrosion of steel reinforced concrete- causes and prevention
- CTS- Slabs without cracks, curling, joints or rebar
- NSPE- Concrete structures improving lifecycle performance workshop
- Lorman- Construction law: from bidding to final payment
- Lorman- Mold Litigation, strategy, and investigation
- Rutgers- Brownfield's redevelopment
- IBC Inspections of soils, footings, and foundations
- Slope Stabilization: Best Practices and Challenges
- Bearing Capacity of Soils
- Construction Site Stormwater Runoff Control