

Why should you choose Underwood Engineering?

At Underwood Engineering Inc. we strive to ensure our clients are 100% satisfied with the services provided.

Our professional experience, need to provide exemplary customer service, belief in open communication, and high quality standards enable us to successfully guide our clients through each phase of the project.

We pride ourselves on our reputation for staying on budget and on schedule while providing high-quality work. We are fully insured, licensed, and can obtain all the necessary permits needed to effectively complete the job.

Please Contact

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- or -

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UNDERWOOD ENGINEERING, INC.

QUALITY CONTROL FROM THE GROUND UP

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Bellmawr, New Jersey 08031

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Hatboro, Pennsylvania 19040

Underwood Engineering, Inc.

Quality Control from the Ground Up



www.underwood-engineering.com
Phone: 856-933-1818

About Underwood Engineering

Underwood Engineering Inc. is a full-service engineering and testing company serving New Jersey, Pennsylvania, and Delaware for more than 35 years. Whether you need pavement reduction services, construction material testing and inspections, a Phase I ESA, or Soil Borings, we are committed to helping you see your project through to completion.

We guarantee proposals that fit your budget

and accurate and timely reports, both of which have made us one of the most outstanding

and trusted engineering and testing companies in the area.

Call us at 856-933-1818 TODAY to schedule a free, no obligation consultation in which we will work together to talk about your project and evaluate your needs.

Testing & Inspection Services

- **Pile Driving Inspections**
UEI is able to perform pile driving inspections, evaluate pile-driving documentation, inspect piles and equipment prior to driving and ensure that pile driving records contain required information.
- **Soil and Aggregate Testing & Inspections**
UEI provides fill placement monitoring, density testing, geotechnical observations and many other soil related services. These services are performed during excavation in order to qualify all load bearing surfaces or areas.
- **Reinforcing Steel Inspection**
UEI performs site inspections to verify that the reinforcing steel installation is in compliance with project drawings including size, grade, placement, clearance and coverage.
- **Concrete Testing & Inspections**
Concrete is inspected and tested to ascertain that all specified conditions meet the acceptable criteria by visual, mechanical, nondestructive or destructive methods. Tests are performed in accordance with the ACI, ASTM and ASSHTO testing and inspection procedures.
- **Structural Masonry Testing & Inspections**
Structural Masonry is inspected and tested to ascertain that all specified conditions meet the acceptable criteria by visual, mechanical, nondestructive or destructive methods. Tests are performed in accordance with the ACI, ASTM and ASSHTO testing and inspection procedures.
- **Structural Steel Inspections**
Structural Steel is tested by UEI's qualified inspectors to ensure that all steel connections meet the specified criteria by visual, mechanical, nondestructive or destructive methods. Tests are performed in accordance with the AWS, ASTM and AISC codes and standards.
- **Bituminous Concrete Inspections**
UEI provides plant, field and laboratory inspections/tests for bituminous concrete in accordance with ASTM, ASSHTO and The Asphalt Institute standards. UEI has the ability to extract bituminous cores up to 8 inch diameter for thickness verification and related tests.
- **Roofing & Waterproof Lining**
UEI performs inspections of polymeric materials, built-up bituminous and modified bitumen sheets for roofing and waterproofing assemblies.
- **Fireproofing**
UEI uses visual and physical tests to identify the condition of the substrates, thickness of the application, density, bond strength, adhesion/cohesion, condition of the finished application and inspection of patching.
- **Paint Thickness Testing**
Paint thickness measurements are performed using magnetic and optical gauges with accuracy of up to 1/2 mils.
- **F Numbers for Floor Flatness**
UEI has state of the art equipment and expertise to provide F-Numbers for floor flatness and levelness.
- **Floor Moisture Issues**
UEI has experience testing and analyzing vapor emission issues with concrete slabs on grade. Underwood Routinely conducts vapor emission testing and concrete sampling to determine emission rates and porosity of the concrete.

Engineering Services

- **Geotechnical Engineering—Soil Borings & Soil and Foundation Designs**
Geotechnical Investigations are performed to determine important subsurface engineering properties for use in the design phase of a development project. Soil properties such as bearing capacity, cohesiveness, shrink and swell tendencies and moisture can drastically affect the costs associated with site preparation and construction. Through a team made up of experienced geotechnical engineers and technical personnel, UEI is able to offer practical, cost effective, geotechnical design solutions for a range of project applications.
- **Basin Infiltration Testing**
Basins are used to collect storm water and release it at a controlled rate to prevent flooding or erosion of soils. Each basin is designed to release water at varying rates that are suitable for the areas in which they are located. Infiltration testing is performed during and after the construction and stabilization phases to insure design infiltration rates are met.



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