

DRILLING SERVICES

ONE COMPANY. ONE CALL. ONE SOLUTION.

Universal's Drilling Division offers complete professional Geotechnical and Environmental drilling, engineering support and laboratory testing which are vital services to the design and construction of a project. Subsurface soil, rock and ground water conditions identified, detected and classified- play as an important role in a project as the architectural, civil and structural design that's above ground. This is especially true when construction is being considered on a property which may also be potentially contaminated.

Properly performed geotechnical and environmental drilling services can result in improved foundation design, reduced construction costs and ensure real estate transactions are sound. Universal provides our clients with accurate and representative information concerning subsurface conditions.

Universal's Drilling Division maintains its own drilling fleet and support equipment, consisting of:

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| (1) Acker Soil Sentry Truck Mounted | (2) Acker Portable Tripods (gas/ electric) |
| (2) CME 45C Truck Mounted w/ Automatic SPT Hammers | (11) Core Drilling Machines |
| (1) CME 55 Truck Mounted | (2) Box Trucks/ Mobile Laboratories w/ On Board Generators |
| (1) Mobile B57 Rubber Tire ATV | (1) Skid Steer Loader |
| (1) BR 3000 Track Rig (limited access) | (1) Backhoe Excavator |
| (1) Geoprobe® 7822DT Track w/ Automatic SPT Hammer | (1) Underground video camera system (capable of depths -600) |
| (1) Geoprobe® 6600 Truck | |

Subsurface explorations are conducted for commercial projects (high-rise, low-rise and warehouses), industrial and manufacturing plants, schools and universities, residential developments, roadways, railways, airports, tunnels and bridge projects. Universal's Drilling and Engineering Divisions provide services to Design Engineers and Architects (E/AoR), Government Agencies, Public and Private Owners, Developers and Contractors.



ENGINEERING SUPPORT SERVICES

- Subsurface Investigation
Geotechnical Reporting
- Phase I & II Environmental Assessments
- Foundation Recommendations
- Development of Environmental Sampling Plans
- Development of Construction Documents
- Development of Remediation Plans
- Boring Logs, Field Reports and Photo Logs
- Geotechnical Laboratory Testing
- Existing Footing & Foundation Investigation

GEOTECHNICAL & ENVIRONMENTAL DRILLING

- Subsurface Exploratory Investigations
- Geotechnical/ Environmental Drilling
- Foundation Test Borings
- Rock Coring
- Geoprobe® Drilling Services
 - Macro Core Sampling
 - Discrete Sampling
 - Continuous Sampling
 - Gas, Water & Vapor Extractions
- Environmental Impact Condition and Plum Delineation
- Helical Pile Drilling & Installation
- Monitoring well Installations
- Instrumentation Installation
- Water Sampling & Testing
- Drum & Container Management
- Ground Treatment Injections
- Test Pitting & Excavating Service
- Underground Video Logging
- Grouting
- Percolation & Infiltration Testing
- Contaminated Soil Removal

CORE DRILLING

- Pavement, Slabs and Walls
- Sidewalk Coring
- Asphalt Pavement
- Runway Pavement Cores
- Block and Masonry Wall
- Bridge Decks & Tunnel Walls