Ground conditions vary greatly, sometimes within the same construction site. Force Drilling, LLC provides solution using the latest ground treatment, ground reinforcement, and structural support technologies. Personnel work closely with engineers, contractors, and owners to ensure that the geotechnical construction minimizes impact on normal facility operations.

**GROUND TREATMENT, GROUND REINFORCEMENT AND STRUCTURAL SUPPORT TECHNOLOGIES**

- Soil Stabilization
- Structural Underpinning
- Increased Foundation Loading
- Infrastructure Upgrade
- Excavation Support
- Foundation Upgrade for Large Manufacturing Plants and Commercial Structures

**Geotechnical Construction**

Micropiles / Friction Piles / Directional Drilling / Rock Anchors / Soil Anchors / Grout Stabilization
Soil Nails / Shotcrete / Soldier Piles
Specializing In Geotechnical Construction Technology To Get The Job Done

MICROPILES
- Deep foundation elements:
  - Well suited in challenging and complex subsurface conditions
  - Used at sites with difficult or restricted access/low overhead
- Full range of capacities in:
  - Compression
  - Tension
  - Lateral

FRICTION PILES
- High capacities
- Minimum vibration, ideal for close proximity to structures
- Minimum Spoils, ideal for contaminated soils

DIRECTIONAL DRILLING
- Real-Time Optical Guidance & Verification Techniques
- Steerable Down-the-Hole Hammer (DTHH) Drilling
- Precision Drilling with deviations less than 1 inch at 550 feet
- Vertical and angled applications

GROUND STABILIZATION
- Compaction Grouting / Low Mobility Grouting Curtain or High Mobility
- Grouting Mine Grouting / Polyurethane Resin Grouting

ANCHORS
- High Capacity Anchors
- Soil Anchors
- Tieback/Tiedown
- Pressure Grouted

SHORING SYSTEMS
- Lagging
- Soil Nails
- Shotcrete/Gunite
- Rock Fall Mesh

QUALITY ASSURANCE
- Complete Load Testing Capabilities:
  - Tension
  - Compression
  - Lateral
- Documentation and Reporting:
  - Engineered stamped
  - Reviewed
  - Photos
- Materials:
  - Strength testing
  - Grout mix designs
  - Third party certification

ForceDrilling.com

Force Drilling – delivering the most innovative solutions for our clients.
Please contact us for any of your geotechnical construction needs: Force Drilling, LLC (724) 249-0202