

deep foundations contractors inc.

## MICROPILES

15 YEARS AGO Deep Foundations Contractors Inc. installed Micropiles for an embankment stabilization in the Toronto area. This project was very successful and since then the use of Micropiles has continued to increase. Micropiles are small diameter (typically less than 300mm) structural elements encased in cement grout. The photo below shows Micropiles being installed with a hydraulic drill rig. Low clearance drill rigs can work in as little as 3 metres of headroom.



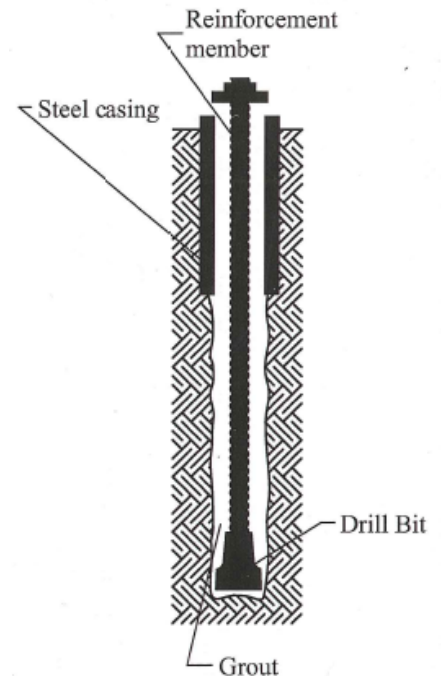
Reinforcement Member  
With Drill Bit

### Applications of Micropiles include:

- Support of building loads
- Resistance of uplift forces
- Underpinning of existing structures
- Provision of additional capacity to existing foundations

### Benefits of using Micropiles include:

- Resistance of tension, compression, and lateral loads
- Able to carry loads up to 2000KN
- Installation through various soil/rock strata
- Minimal vibration
- No loss of ground during installation
- Preload capability
- Installation in low headroom and poor access areas, as little as 3m headroom required



Deep foundations Contractors installs all types of foundation piles including drilled caissons, continuous flight auger piles, driven piles, and Micropiles. Micropiles may be the best solution for your foundation needs. For more information contact Dave Bradshaw at 905-750-5900.