	ATLAS FOUNDATIONS OF WASHINGTON, LLC Engineered Solution For Your Foundations Problems	Doc. No. ENG-04
	Content: MICROPILES	Page 1 Of 3

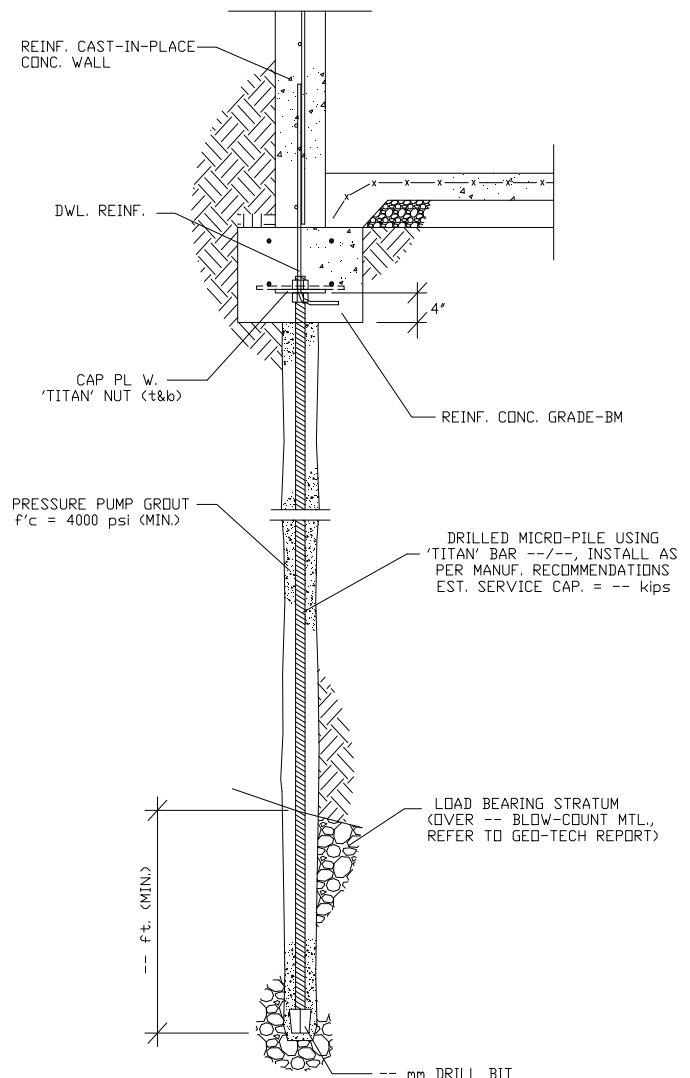
Micropiles (also known as minipiles) are excellent for new construction project with deep foundation requirements. In compression they are used as footers and in tension they may be used to support retaining or foundation walls. Using a hydraulic motor attached to a backhoe or skid steer, the pier (which is essentially a large screw) is drilled into the earth to a specified depth. It is a fast and easy way to install a foundation system.


They are also known for their ability to carry significant loads and for their quick installation.

The **Titan** pile, highlighted to the right, is an example of a commonly used micropile product.

The benefits of helical piers include:

- Fast installation
- No shock or vibration
- Economical
- Heavy equipment not required
- Can be installed in confined spaces
- On site load test capability
- Minimum disturbance to site.
- Immediate loading.
- All weather installation.



	ATLAS FOUNDATIONS OF WASHINGTON, LLC Engineered Solution For Your Foundations Problems	Doc. No. ENG-04
	Content: MICROPILES	Page 2 Of 3

Micropiles Systems provide stabilization for both new and existing construction and restoration. Installed vertically through problem soils until load-bearing soils are reached, they protect new construction built on marginal soils and serve as underpinning to stabilize and restore slabs damaged by expansive soils, erosion or poorly compacted fill soils. Installed laterally as tiebacks, they can stabilize new walls and restore walls that have been improperly constructed or damaged by poor drainage or expansive soils.



Micropiles – Tiebacks installation – Retention Wall


Micropiles Systems are easily installed even in tight areas and can be used with Atlas Resistance Pier Systems for increased stability. Manufactured under strict quality standards, they are installed only by authorized contractors.



-Micropiles – Residential use



-Micropiles – New Foundation

	ATLAS FOUNDATIONS OF WASHINGTON, LLC Engineered Solution For Your Foundations Problems	Doc. No. ENG-04
	Content: MICROPILES	Page 3 Of 3



- Micropiles – Soil stabilization

The Titan piles are sold and installed by Atlas Foundations of Washington.

Next time you have a difficult foundation or shoring problem, give us a call.

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