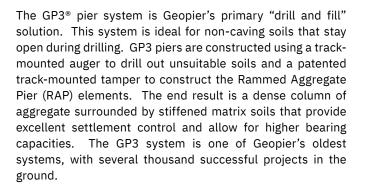
# **GEOPIER**<sup>®</sup>

## **GP3**<sup>®</sup> SYSTEM Rammed Aggregate Pier<sup>®</sup> Technology



#### **APPLICABLE SOIL TYPES**

- Non-caving soils such as clays, silts, and sands with high fines content
- Caving soils with the use of temporary casing
- Organic soils using cemented treated aggregate (CTA)

#### **DESIGN CONSIDERATIONS**

- Can be used for any Geopier application
- · Can be installed to depths of 25+ feet
- CTA piers are ideal for organic soils, heavy loads, or adjacent structures
- Ideal for typical settlement tolerances (1 inch total; ½ inch differential)
- Foundations can be designed as conventional spread footings with typical bearing pressures of 3 to 8 ksf for RAP/ 10+ ksf with CTA
- Slabs can be constructed as conventional slab-ongrade
- Can be used for uplift and lateral resistance

#### **CONSTRUCTION CONSIDERATIONS**

- Generates minimal spoils compared to removal and replacement
- Often results in 20% to 50% cost savings compared to traditional alternatives (removal and replacement and deep foundations)
- Rapid installation process means shorter construction schedules

#### **INSTALLATION PROCESS**

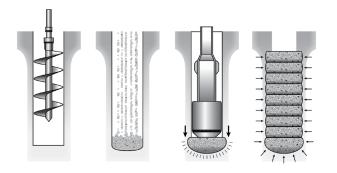
Geopier's GP3 installation process consists of the following:

*Step 1:* Drill out the unsuitable soils to the desired design depth using an auger.

Step 2: Place aggregate at the bottom of the shaft.

*Step 3:* Densify the open-graded aggregate and surrounding soils using a patented tamper to create a "bottom bulb."

*Step 4:* Place and densify aggregate in 2-foot-thick compacted lifts to the ground surface.





Watch system installation videos at www.geopier.com

GEOPIER

Tensar

### Whether you are an engineer, contractor, or owner - We can help.

For more information on Geopier solutions, call **800-371-7470**, visit **www.geopier.com** or email **info@geopier.com** 

130 Harbour Place Drive, Suite 280, Davidson, NC 28036 | (800) 371-7470 | www.geopier.com | info@geopier.com | marketing@geopier.com ©2021 Geopier Foundation Company, Inc. The Geopier® technology and brand names are protected under U.S. patents and trademarks listed at www.geopier.com/patents and other trademark applications and patents pending. Other foreign patents, patent applications, trademark registrations, and trademark applications also exist.