



# Welcome to Infinity

## BERKEL INFINITY GROUP (BIG) Piles

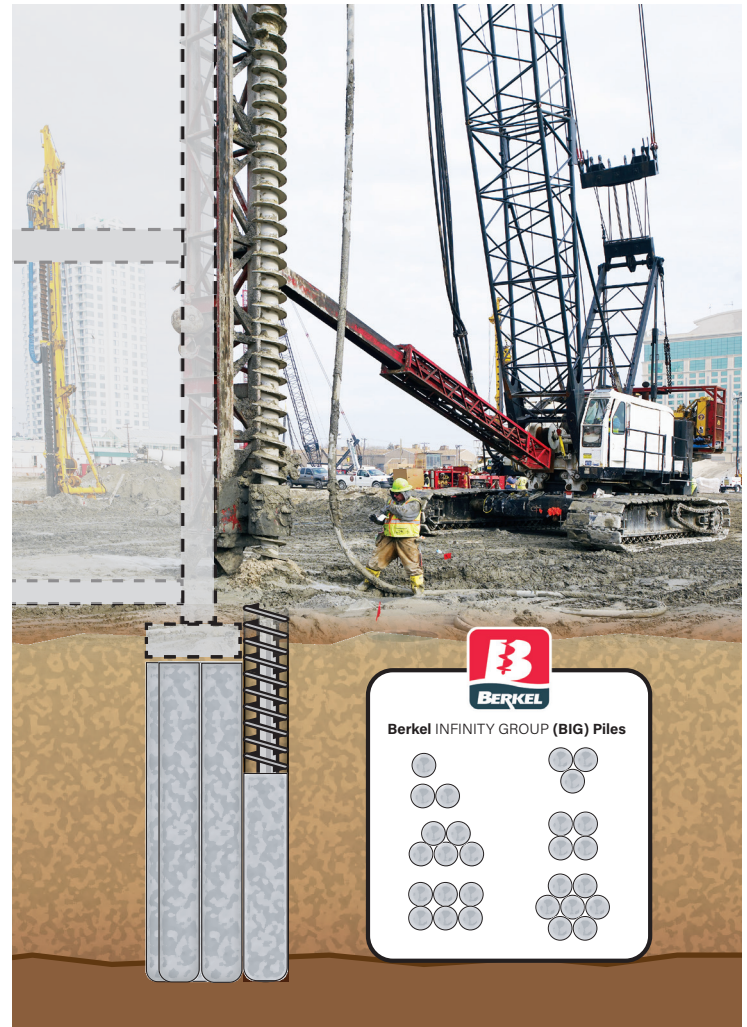
**BERKEL Infinity Group (BIG™) Piles** were developed as an efficient alternative foundation to support structures with a range of column loads. Because the BIG™ foundation size can be easily tailored to the specific load to be supported, it can be much more cost-effective and timesaving than installing multiple diameters of single-element foundations such as large diameter ACIP (i.e. Auger Pressure Grouted, Augercast Grout, or CFA) piles, drilled shafts, or other bored piles.

**BIG Piles** can be installed in a range of configurations to resist high compression, tension, and lateral loads. They are uniquely suited to supporting tall structures in urban environments where available workspace is at a premium by using groups of single-diameter elements to economize the overall size of the foundation including the pile-cap. The reduced foundation plan and cap depths also reduce excavation and potential dewatering requirements.

Replacing the multiple diameters of tools required to be available on-site for single-element foundation approaches (like CFA piles or drilled shafts) with one size of installation tool removes the need to change tool sizes during foundation production, reducing down-time where no construction is occurring. This installation process also reduces the quantity of ready mix required to be available on site to maintain uninterrupted workflow.

Construction of individual **BIG Pile** elements is similar to ACIP/CFA pile installation and the drilling tools may be advanced on leads that are either supported by crawler-crane platforms or rigidly fixed to the installation platform. The appropriate drilling platform, drilling tools, and installation technique are selected based on the local geology and the loads to be resisted.

**BERKEL** is the most experienced designer and installer of single-pass, cast-in-place foundation systems in the U.S. and is available to assist with developing the most efficient foundation solution for your project.



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