

GREAT AMERICAN BALLPARK

MICROPILES

PROJECT DESCRIPTION:

Project Date: June 2015

Project Name: GABP

Project Location: Cincinnati, Ohio

Engineer of Record: THP

Geotechnical: Thelen

Micropile Designer: Schaefer Engineering

Owner: Cincinnati Reds

Scope: Design and install a deep foundation system composed of micro-piles to support (1) a new, party deck located above the Reds bullpen and (2) a new digital scoreboard located above right-center field. Both elements are additions to GABP for the 2015 All Star Game.

The micropiles were designed using a modified Type B micropile consisting of high strength, hollow, thread bar and 4,500 psi cement grout. Average depth of each micropile was 60' with 14' embedded into shale/limestone rock. Structural steel/bar sizes ranged from 1.57" to 3" with the borehole ranging from 4.5" to 8" nominal. Design loads ranged from 50 to 100 kips per pile.



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