

Case Study – Ridgeway CO. - Micropiles



Park Range Construction was contracted by Dickerson Construction to perform a full foundation underpin and elevation recovery on a large custom home on the Western Slopes of Colorado.

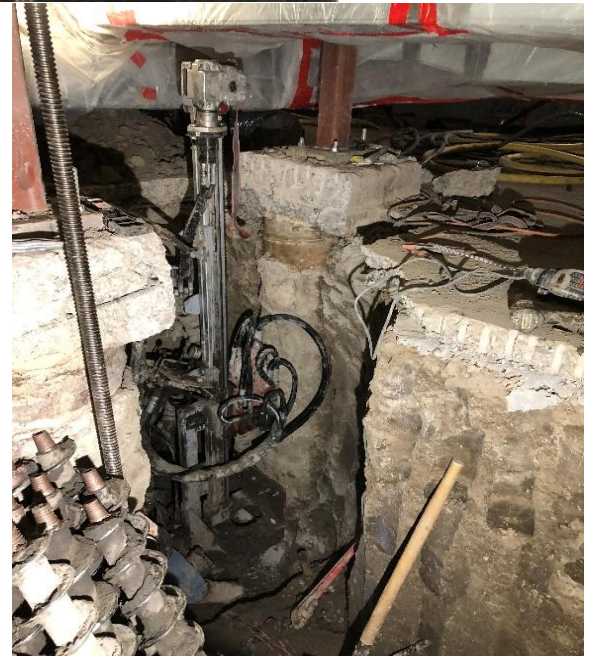
CLIENT – DICKERSON CONSTRUCTION

ENGINEER OF RECORD – SBSA, INC

GEOTECH ENGINEER – HAYES CONSULTING, CO



- Installation of 221 micropiles up to 116 lf depth
- 48 of the 4.5" micropiles were installed from inside crawl space for interior columns with only 2-4' headroom
- Use of mechanic creeper boards to maneuver around crawl space
- Crawl space piles required hand excavation of 6' deep holes at each pile location to create overhead clearance for the drill mast
- Successful foundation elevation recovery using 30 rams, each with 25 ton capacity, connected to a central hydraulic manifold system.
- Verification and proof load testing on 20 piles
- Drills - TEI MP250 Man Portable & TEI 350 Skid Mounted.




PARK RANGE
CONSTRUCTION, INC.

(303) 781-8936 info@parkrangeconstruction.com
www.parkrangeconstruction.com

**Certified M/WBE, WOSB, DBE & SBE Contractor
ICC Approved Helical Piles.**