

Proven Foundation Solutions + Unmatched Customer Service!



Farrell Design-Build Companies, Inc.
Experienced Engineers and Licensed Contractors Delivering **Design-Build Foundation Solutions for Heavy Building, Tank, and Civil Structures** Optimized for Code, Cost, and Schedule.

Farrell serves the San Francisco Bay Area, Sacramento Valley, San Joaquin Valley, Los Angeles Basin, Inland Empire, San Diego, and all of Northern & Southern California.

Farrell is the licensed Geopier®, Impact® Pier and Rammed Aggregate Pier® Systems Design-Builder for Northern California.

Contact Farrell Design-Build to review foundation options for your next job's unique soil and structural load conditions. Call Farrell at (530) 621-4867.



FARRELL's Qualifications:

- California Contractor's License 477361 A + B
- California Registered Engineers with 40 years of experience
- Fully Insured: CGL On-Going & Completed Operations, Professional Errors & Omissions, Workers Compensation, Auto, Pollution, and Excess Liability
- Bonding to \$4,000,000 plus
- Own Specialized Equip./Rigs
- Self Performing Merit-shop, Public Works Prevailing wage, and Union Subcontractors
- OSHA Safety Trained Crews
- Safety IIPP current / up to date
- Safety Performance Rewards
- Continuous Business Operation in California since 1984
- MBE Certified Corporation
- SBE Certified Corporation









Farrell's Foundation Solutions  back.

for more information call (530) 621-4867 or visit us at www.farrellinc.com



Rammed Aggregate Pier® Systems

Auger-Cast & DDP & DGP Piles

| FARRELL FOUNDATION SOLUTIONS | Depth of Treatment | BEST Soil Type | TYPICAL Allowable Capacity | KEY Advantages | Drawbacks | COMPETES With |
|---|--|--------------------------------------|---|---|---|--|
| RIC Rapid Impact Compaction Dynamic Compaction  | 15-20 feet (5-6 meters) | Sand Silt Old fill | 1,000 psf (48 kpa) to 3,000 psf (144 kpa) | <ul style="list-style-type: none"> • Liquefaction mitigation • Fast improvement process • No spoils • Densification | <ul style="list-style-type: none"> • pad grading required • vibrations within 30 ft • depth limits | <ul style="list-style-type: none"> • deep dynamic compaction • overex/replace • stone columns |
| Geopier® RAP Replacement Rammed Aggregate Pier® System  | RAP 30 feet (9 meters) | Silt Clay SC SM Old fill | 5,000 psf (239 kpa) to 10,000 psf (479 kpa) | <ul style="list-style-type: none"> • Very high bearing capacity • Support heavy bearing loads • Uplift - tension hold-down | <ul style="list-style-type: none"> • spoil off-haul • casing in high ground water sand • depth limits | <ul style="list-style-type: none"> • overex/replace • concrete piers • driven piles • stone columns • auger-cast pile • soil-cement col. |
| Impact® Pier Displacement Rammed Aggregate Pier® System  | IRAP 54 feet (16 meters) | Silt SC SM Clean Sand-SP | 3,000 psf (144 kpa) to 6,000 psf (287 kpa) | <ul style="list-style-type: none"> • Liquefaction mitigation • High stiffness • No casing • No spoils • Densification | <ul style="list-style-type: none"> • soft clay may need grout • large sites • vibrations within 30 ft | <ul style="list-style-type: none"> • overex/replace • stone columns • driven piles • concrete piers • soil-cement col. |
| ACP & DDP & DGP Auger Cast / Drilled Displacement Piles & Driven Grout Piles  | ACP & DDP 65 feet + (20 meters) | All | 100 kips (445 kN) to 500 kips (2224 kN) | <ul style="list-style-type: none"> • Minimum vibration • Speed thru dense layers • High capacity • Up to 24" dia. | <ul style="list-style-type: none"> • mud spoils • muddy site conditions • complex quality control | <ul style="list-style-type: none"> • concrete piers • driven piles • stone columns • soil-cement col. • torque piers |
|  | DGP 55 feet (20 meters) | All | 100 kips (444 kN) to 300 kips (1334 kN) | <ul style="list-style-type: none"> • High capacity • Fast installation • Displacement Pile = no spoil • Best in soft clay • Dry install rebar | <ul style="list-style-type: none"> • vibratory driven install • refusal to driving • depth limits | <ul style="list-style-type: none"> • concrete piers • driven piles • stone columns • soil-cement col. • franki piers |
| HMP & SPP Helical Mini-Pile Screw Pipe Piles  | 90 feet (27 meters) | All | 20 kips (88 kN) to 200 kips (890 kN) | <ul style="list-style-type: none"> • Small equipment • Small access repair/retrofit • Low site impact • No spoils • Low vibrations | <ul style="list-style-type: none"> • high cost materials • steel below water • weld splice for pipe pile | <ul style="list-style-type: none"> • micro-piles • soil-nails • concrete piers • driven piles |

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Contact Farrell to optimize your next project for code, cost, and schedule.

Experience you can trust!



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