



AARSLEFF

GEOTECHNICAL SERVICES

and their benefits...

SOIL NAILS

- Maximise available land usage
- Minimise the interruption inherent in alternative approaches
- Effective in areas of environmental or architectural sensitivity
- Advantageous at sites with remote or difficult access
- Soil nails are relatively flexible and can accommodate relatively large total and differential settlements

GROUND ANCHORS

- Practical alternative to propping
- High loads can be obtained in poor ground
- Duckbill and Platipus Anchors can be used in a variety of soil conditions
- Lightweight and corrosion-resistant which make them suitable for a range of design life requirements and soil conditions
- Permanent and temporary solutions

MINI PILES

- Work extremely well both in tension and compression
- Speed of installation
- Can be installed in confined spaces
- Causes minimal disturbance/vibration to adjacent structures
- With suitable ground conditions, they can be installed cost effectively, with high load capacities.
- Can work within low headroom

DRILLING AND GROUTING

- Well established method
- Maintenance free
- Grouting can prevent against collapse of redundant voids
- Cost effective
- Sectional handover
- Can be performed in limited working space
- Optional grid spacing to value engineer solutions

TIMBER CRIB LOCK WALLS

- Well established method with a fast installation
- Durable and cost effective retaining structure
- Minimal site disruption during construction
- Aesthetically pleasing and natural appearance
- Requires no specialist equipment or machinery to install
- Minimum certified design life from 15 - 60+ years

SFA PILING

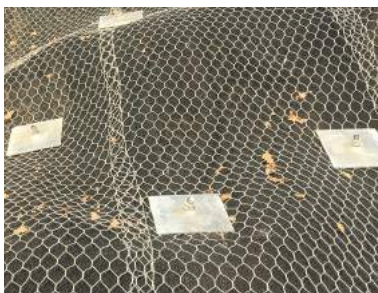
- Smaller rigs capable of installing SFA in difficult conditions
- Can work within low headroom in restricted working conditions
- Low noise and low vibration
- Ability to bore through masonry or concrete foundations
- Permanent liners can be incorporated as steel reinforcement or through very soft strata
- Rapid on-site set up

GABION BASKETS

- Strong bases
- Reduce the velocity of running water
- Construction materials required are easy to transport to sites, easy to upload and place
- Resist breakage and separation, due to the flexibility of their wire mesh construction
- Aesthetically pleasing structure

SCREW PILES

- Rapid Installation
- Immediate load carrying capability
- Minimal site disturbance
- Installation monitoring and verification of load capacity during installation
- Can be installed in remote locations or at sites with limited and/or difficult access
- Wide range of soil and load applications
- Simple field modifications to increase load capacity



For any more information please call
01636 611140 or visit **aarsleff.co.uk**