



CLL Capabilities Rock Anchor and Soil Nailing

CLL
SERVICE & SOLUTIONS

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PH: (09) 412 7048
www.cll.net.nz

Robex

Clients benefit from this depth and breadth of services in key areas

PROVEN TRACK RECORD

Rely on our established reputation backed by a track record of successful projects.

From intricate piling assignments to complex infrastructure developments, our expertise has consistently delivered quality results, earning the trust of our clients.

INNOVATION AND TECHNOLOGY

Stay ahead in the industry with our commitment to innovation and technology. Our company embraces cutting-edge advancements, ensuring that your projects benefit from the latest methodologies, materials, and equipment, leading to increased efficiency and project success.

VERSATILE EXPERTISE

CLL offer a comprehensive suite of services beyond piling and ground stabilisation, as our company excels in a wide range of civil construction disciplines.

Whether it's foundation work, structural engineering, or infrastructure development, we offer a one-stop solution for all your civil construction needs.

COST-EFFECTIVE SOLUTIONS

By consolidating various civil construction services under one roof, our clients experience streamlined project management, reducing the need for multiple contractors. This not only enhances overall project efficiency but also leads to potential cost savings.

AT CLL, we extend our footprint across New Zealand, operating seamlessly through specialised divisions strategically established in key regions such as Northland, Tauranga and Christchurch with our head office based in Auckland. Our centralised approach from Auckland allows us to efficiently coordinate and manage projects throughout the country, ensuring a consistent and high-quality service delivery.

ADAPTABILITY TO PROJECT SCALE

With over 200+ employees, whether you're undertaking a small-scale project or a large-scale development, our team is equipped to adapt to the unique requirements of each endeavour. Enjoy the flexibility and scalability of our services to match the specific needs of your civil construction projects.

CLIENT-CENTRIC APPROACH

Experience personalized service with our client-centric approach. We prioritize open communication, collaboration, and a thorough understanding of your project goals, ensuring that our solutions are tailored to meet your expectations and contribute to the overall success of your endeavours.

SERVICES & SOLUTIONS



CLL GROUP (CLL) is a well-established construction company specializing in piling, ground improvements, slip stabilization, ground anchors, retaining walls, civil structures, drainage, and contaminated site remediation. With extensive experience across these disciplines, CLL has built a strong reputation as a reliable and innovative industry leader.

At CLL, we pride ourselves on being at the forefront of ground improvement and piling techniques, leveraging advanced European technologies that set us apart. These cutting-edge systems allow us to tackle complex challenges efficiently, often eliminating provisional tags from tenders and streamlining project delivery. Our collaborative approach ensures that we work closely with your design consultants to develop cost-effective, fit-for-purpose solutions for in-ground challenges.

As part of our commitment to strong partnerships, we offer our expertise and time at no cost—providing indicative pricing and tailored recommendations to help achieve project goals efficiently.

CLL employs 250+ professionals, including engineers, project managers, estimators, machine operators, tradesmen, and skilled labourers. Our workforce includes specialist piling crews and industrial rope access teams, as well as tradesmen such as carpenters, mechanics, and formwork specialists.

OUR EXPERTISE

Geotechnical & Civil Engineering Solutions

- Piling solutions (Olivier Piling, CFA, Bored, Driven, Sheet Piling)
- Retaining and stabilization systems
- Ground anchors and soil nailing
- Deep foundation and ground improvement techniques

Critical Slip Rehabilitation & Drainage

- Earthworks and slope stabilisation
- Cross road drainage and culvert installation
- Swale and water diversion systems
- Manhole and bored drain installations

Specialized Construction Services

- Bridge and structure foundations
- Marine piling and coastal protection
- Infrastructure resilience solutions
- Sustainable construction initiatives



WHY CHOOSE CLL?

- **Industry Leadership:** Cutting-edge European piling and ground improvement technologies.
- **Experience & Expertise:** Decades of experience in delivering large-scale infrastructure projects.
- **Innovative Methods:** Leaders in advanced piling and geotechnical stabilization.
- **Sustainability Focus:** Commitment to environmentally friendly construction practices.
- **Safety & Quality Assurance:** Adherence to the highest industry standards.
- **Project Delivery Excellence:** Proven track record of delivering projects on time and within budget.

LET'S WORK TOGETHER

We welcome opportunities to collaborate on upcoming projects. Get in touch to discuss how CLL can bring value to your project by contacting the person who gave you this brochure or via our branches located on the last page of this document.



DESIGN & CONSTRUCT

CLL takes care of the design and build of your in-ground projects, simplifying the process for our clients and reducing costs.

Our 35 years of experience across complex landscapes provides valuable insight into pre-purchase and pre-design feasibility assessments, and the overall design of the project.

We work with a small number of expert geotechnical consultants who have experience and an appetite for design and build projects. Ground improvement work, by design, does not structurally connect with the rigid floor structures, therefore our Geotech experts are involved from the very beginning. This ensures that what is constructed below the ground is fit for purpose for what will be built above it.



EARLY CONTRACTOR INVOLVEMENT - ECI

Getting us involved from the outset of your project means a seamless end-to-end solution. Our 35 years of experience across complex landscapes provides valuable insight into pre-purchase and pre-design feasibility assessments, and the overall design of the project.

The construction industry is trending towards a more unified approach to projects and CLL offers significant experience in design and construction as well as ECI. Consultant led designs are fraught with risk due to the lack in understanding of site specific methodologies, real time innovation and evolution of construction techniques, and current market costs.

We offer significant experience in design and construction as well as ECI with a robust understanding of design, method, and cost relationships and an understanding of the connection between the foundation and structure.

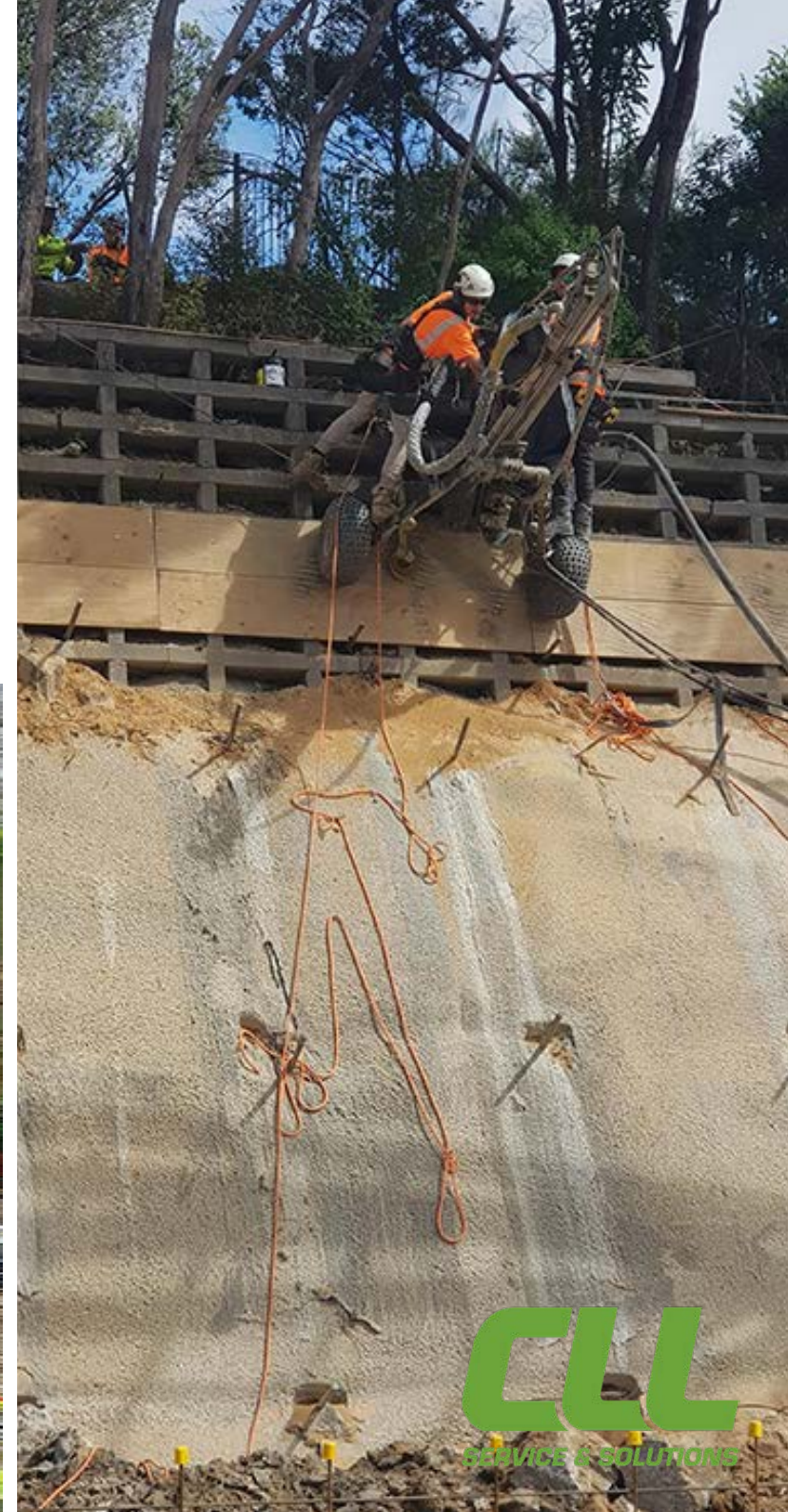
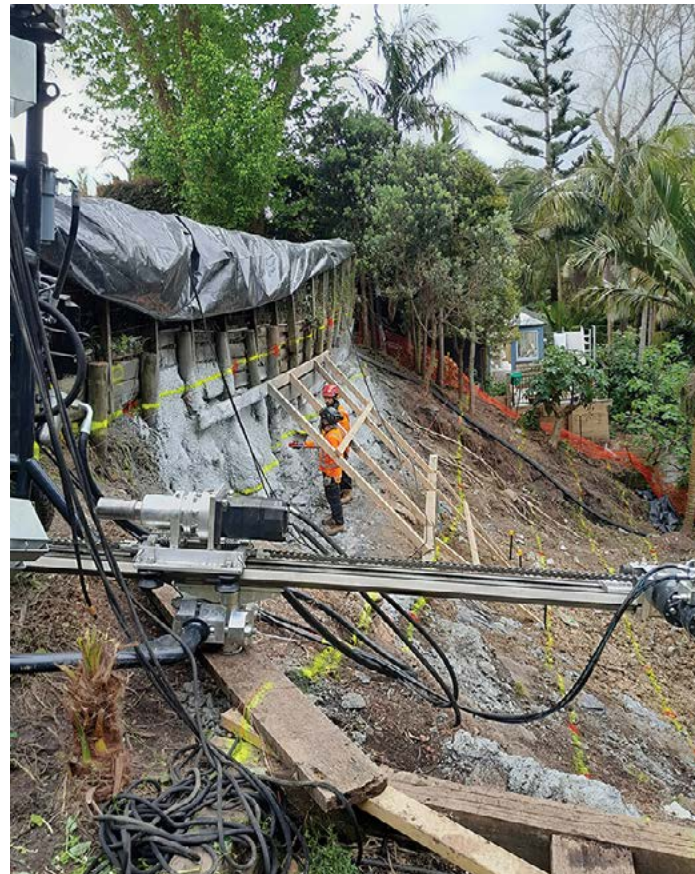


BANK STABILISATION AND SLIP AND CLIFF REPAIR

We specialise in bank stabilisation and slip and cliff-face stabilisation and our expert teams can identify both the cause, and ways to repair and secure unstable slopes. Our slip repair process is an integrated service from design and costing, consents, construction, and reinstatement of landscape, and our experienced abseil team will help you get to those hard to reach places.

CLL's development of innovative techniques used in previous projects enables us to offer cost effective solutions at the design stage - streamlining and reducing the cost of repairs.

We also deploy rapid-response teams for emergency situations. In these distressing conditions our depth and breadth of skills and technology allows us to quickly assess and respond to the specific needs of each situation.



SOIL NAILING AND ROCK ANCHORS

Soil nails, and their bigger cousins, soil anchors are a remedial measure to treat unstable natural soil slopes. As a technique it can also allow the safe over-steepening of new or existing soil slopes. Soil nailing inserts relatively slender reinforcements, such as rebar, into pre-drilled holes in the slopes. The bar is then grouted into place.

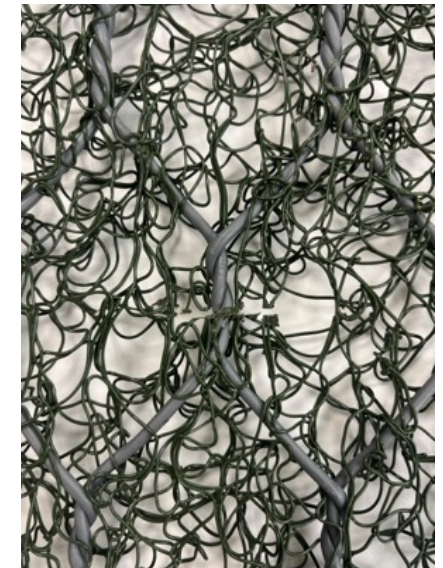
CLL is a leading specialist in horizontal drilling and grouting, and we run up to four crews skilled in percussion, and auger, bits. Our auger bit capability means very little mess is created, allowing remedial work close to houses, and in environmentally sensitive areas. Our rigs are very mobile, and able to be deployed on the side of cliffs or steep slopes.



MATERIALS USED

CLL provides a wide range of different drilling and anchoring solutions that require with a variety of materials:

- RB25, RB32 Galvanised Steel from local suppliers
- GRP - R25, R32 and 40x9 Flat Bar from Italy and China
- R32, R38, R40 Hollow Bar drilling with sacrificial heads of 100mm or 137mm from China
- Rockfall Mesh from Geofabrics
- MacMat R from Geofabrics
- Trec and coconut matting from Geofabrics
- No-fines concrete bulk embankments anchored back or shotcrete
- Lantern spacers from China



MAGNI RTH 6.30 MOUNTED DRILL RIG

The Magni RTH 6.30 is a tough, high-performance rotating telescopic handler. It can lift loads up to a height of 30 m, and is equipped with scissor stabilizers to ensure greater safety and stability during 360° working manoeuvres.

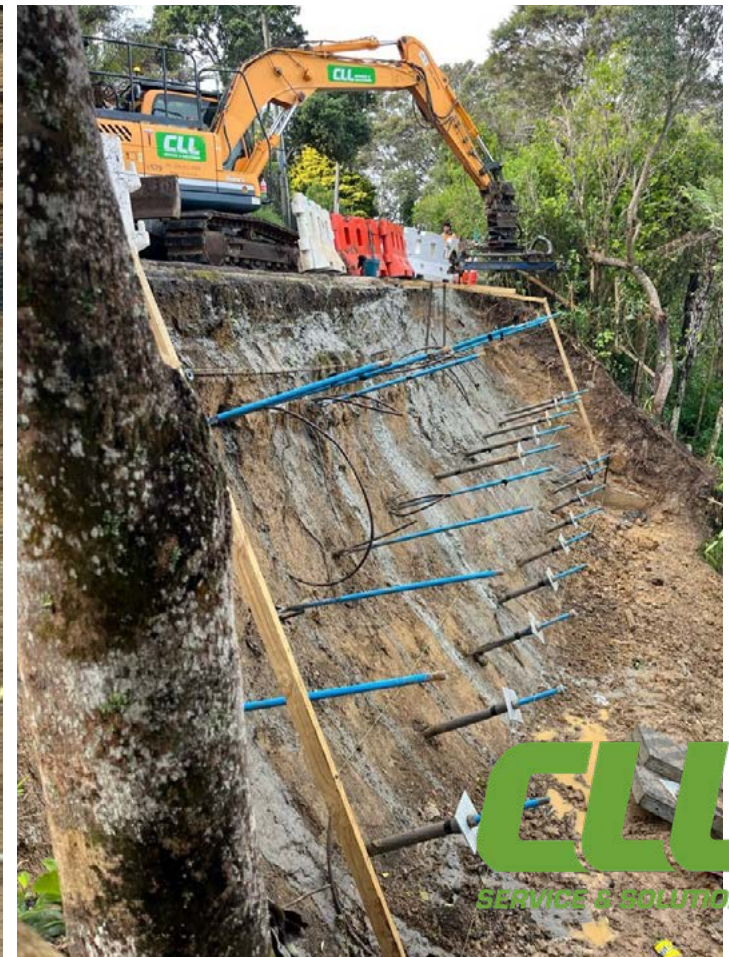
It also includes an RFID system for automatic attachment recognition and load chart creation, making it extremely versatile for construction and industrial applications.



EXCAVATOR MOUNTED DRILL RIGS | 14T

Our excavator-mounted drills are versatile tools used in various construction projects and civil engineering tasks, including:

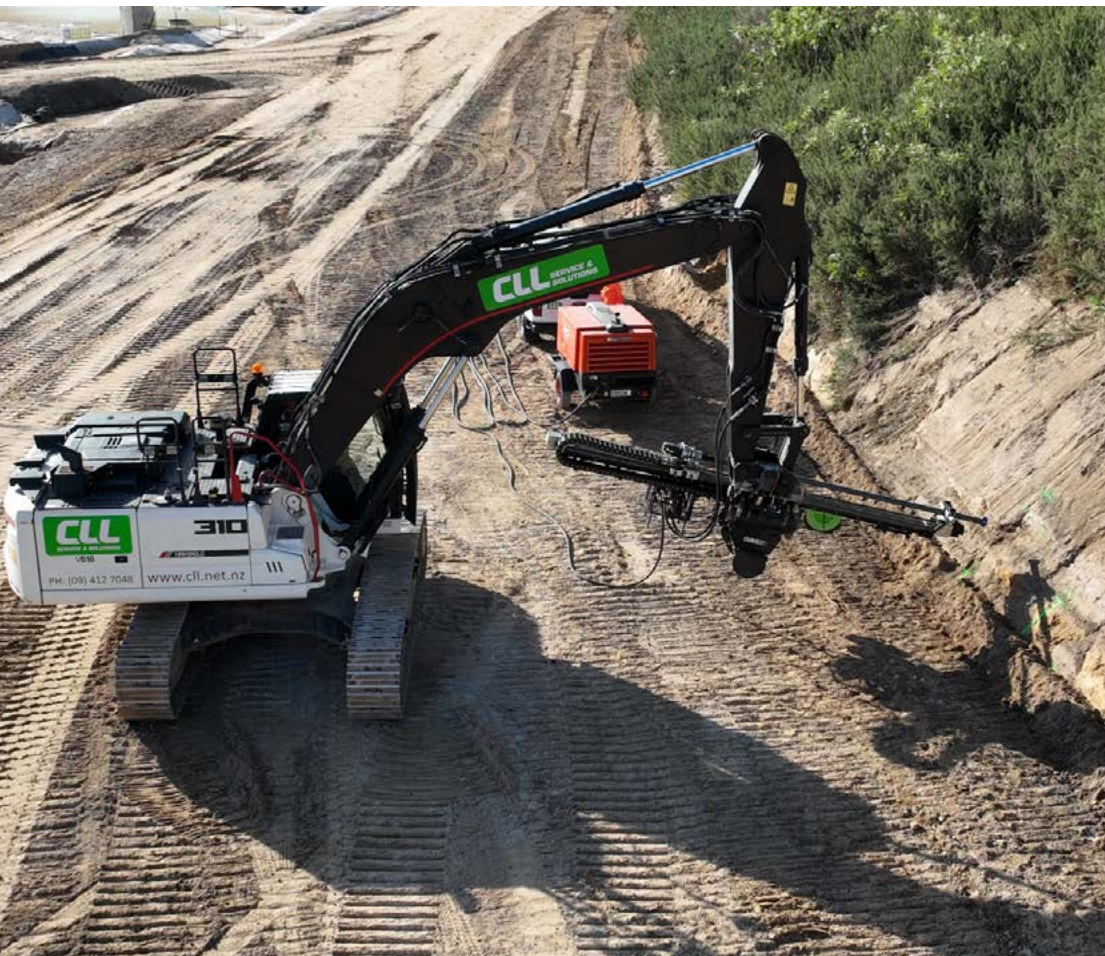
- **Drilling for Anchors and Soil Nailing** to stabilise slopes and foundations.
- **Micropile Drilling** which are small-diameter piles used for ground improvement and foundation support.
- **Retaining Wall Pile Drilling**



EXCAVATOR MOUNTED DRILL RIGS | 14T - 32T

Our machines have directional drilling capability, known as Horizontal Directional Drilling (HDD), which is an advanced drilling technique used in construction to install underground infrastructure, such as pipelines, cables or piling, and underpinning materials.

This technique is extremely accurate and has significant environmental advantages compared to traditional cut and cover excavating as it creates minimal soil disturbance.



ABSEIL DRILL RIGS, TESTING & MATTING

ABSEIL RIG DRILLING



TEST SETUP



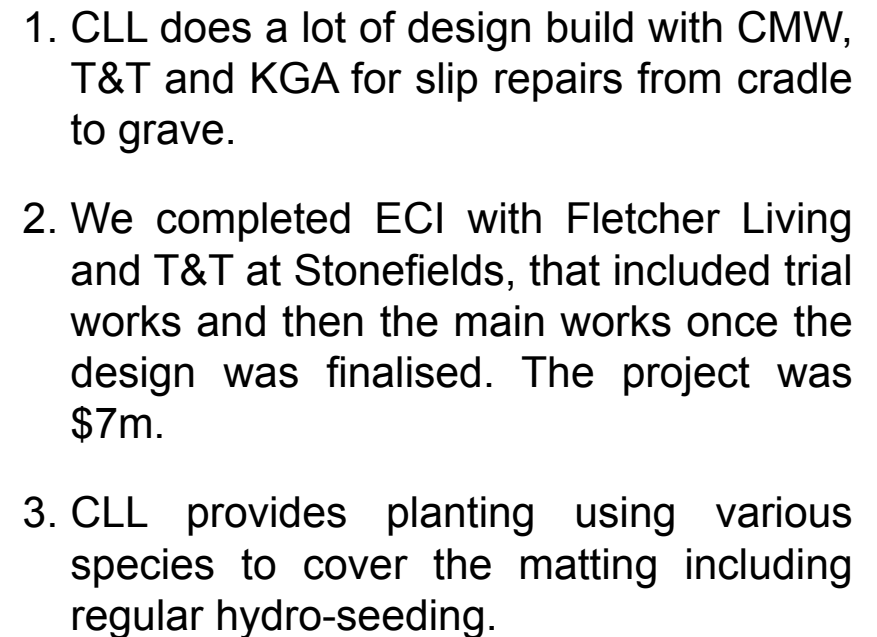
MACMAT-R MATTING



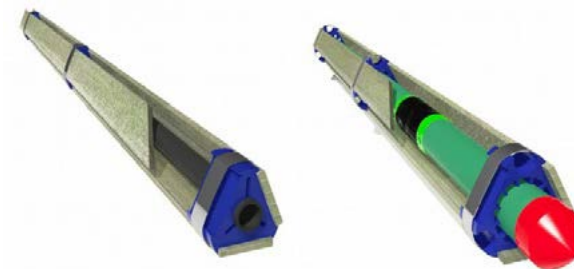
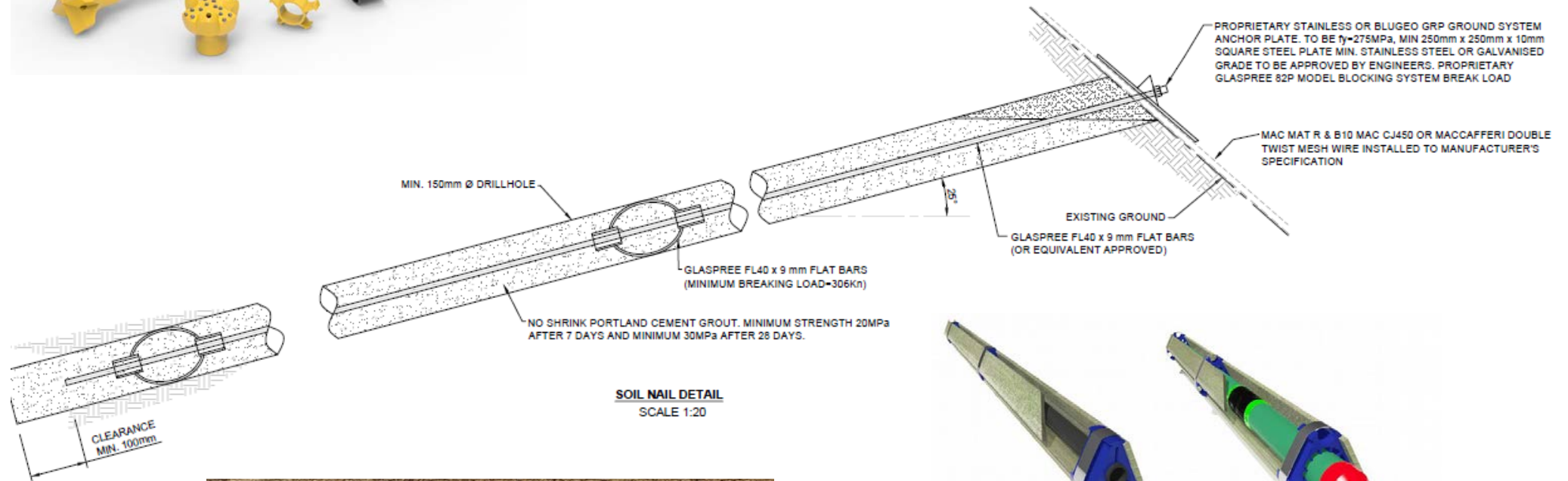
TREC MATTING



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TYPICAL DETAIL OF SOIL NAILS AND ROCK ANCHORS



Unified Grouting Pressure (GUI)
ES with grouting pipe.
Spacers: code 272/35

Repetitive and Selective Injections (RSI)
ES with TAM pipe.
Spacers: code 272/24



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RTH6.30

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NON-NEGOTIABLES



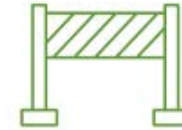
**NO LIFT IS TO BE DONE
WITHOUT A
LIFT PLAN IN PLACE**



**GEOTECH APPROVED
PILING PLATFORMS
MUST BE IN PLACE**



**NO MACHINE OR
VEHICLE MOVEMENT
WITHOUT A SPOTTER**



**ISOLATE PILING ZONE
USING SIGNAGE AND
BARRIERS**



**NEVER LEAVE OPEN
HOLES UNCOVERED**



**DO NOT BREAK GROUND
UNTIL PERMIT TO DIG
HAS BEEN ISSUED**



**NO CELL PHONE
USE WHILE DRIVING
OR OPERATING**

CORE VALUES



Integrity

We are straight forward and ethical.
We are astute and considerate.



Courage

We take personal responsibility.
We are confident in our ideals.



Selflessness

We put service and people first.
We respect and share
knowledge with each other.
We give others confidence
and promote growth.



Innovation

We are strive to think, feel and act -
rather than react.

We are innovative and
receptive to new ideas.



Respect

We have respect for ourselves,
each other, our clients,
the environment, and our
plant & equipment.



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