

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.

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.

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.

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.

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.



SOLUTIONS cz SERVICES



SERVICE & 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.



CLL has significant experience with New Zealand's rail network and has delivered a variety of rail infrastructure projects, including the design and build, to stabilise and improve rail sites in major cities around the country, where it is critical to maintain an uninterrupted train service.

We are experts in the intricacies of working on live railways and understand the safety protocols and inherent challenges and risks.

Working within electrified areas needs clever solutions to eliminate H&S risks and we have invested heavily in the latest technology and equipment required to safely and successfully deliver projects in this challenging environment.





TEI TD75 ELECTRIC MICROPILING RIG

Our TEI TD75 is an electric/hydraulic limited access rig designed to safely install cased and hollow bar micro piles in challenging or tight spaces, and can provide turbo grouting.



MANCO RAIL EXCAVATOR

Our Hi-Rail Hidromek 145LCSR-H4 is

MANCO RAIL MLRB-34 LOW BED TRANSPORTER

Our self-propelled Manco MLRB-34 with infill flat decks provides versatility to use the unit as a multi-purpose rail transporter to carry plant, equipment, tools, railway sleepers, or aggregate materials.





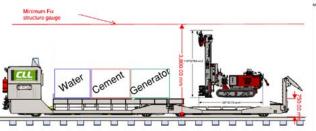
GROUND IMPROVEMENT - RAIL

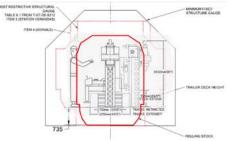
TEI TD75 ELECTRIC MICROPILING RIG

Our low head TD75 electric / hydraulic limited access drill rig can provide turbo grouting on defective sections of track formation within the electrified area under electric isolation only.

MANCO RAIL MLRB-34 LOW BED TRANSPORTER

The TD75 rig can be deployed to specific rail locations on top of our MANCO RAIL MLRB-34 low bed self-propelled transporter. The rig does NOT leave the transporter and the whole operation can be performed within the footprint of the transporter. This forms a self-contained unit that is fully mobile within the rail environment and encompasses a drilling rig, grouting plant, generator and raw materials (water, cement, additives). Grout injection will not compromise ballast layer.



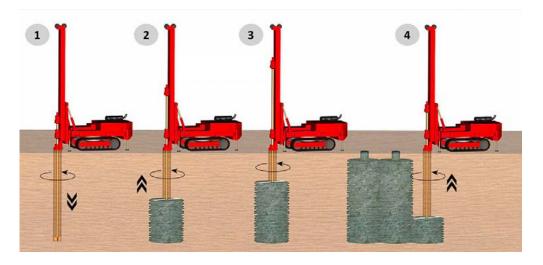


TURBO GROUTING PROCESS

The Turbo grouting process involves cutting the soil with a stream of fluid at high velocity and mixing this eroded soil with a self-hardening grout to form columns and other structures in the ground.

This is a ground improvement technique used in construction to strengthen and stabilise soil. This process creates a cement-stabilised column. This column improves the soil's mechanical characteristics, such as its strength, permeability, and load-bearing capacity.

The single fluid system is the simplest. Grout is pumped through the rod and exits the horizontal nozzle(s) in the monitor at high velocity. This energy breaks down the soil matrix and replaces it with a mixture of grout slurry and in situ soil.



BENEFITS

- A solution adapts to all types of soil
- The possibility of modifying the diameter of the column by modifying the parameters of the jet, this adjusts the column diameter to support areas under and between sleepers
- A process that requires little space, small footprint and limited height access
- The possibility of constructing large columns from small boreholes
- Methodology development to maintain ballast free of grout
- Self-contained independent operation, able to work within the same dynamic envelope of a train



Key Project Information & Client Reference Sheets

CLL has successfully delivered projects for government agencies, local councils, and private sector clients across New Zealand. Our portfolio includes major infrastructure projects, slip remediation, and specialized piling solutions that have improved the resilience of transport networks and essential infrastructure.

We are able to provide you with our up-to-date presentations, demonstrating our cutting edge technologies and case studies should you require, and you can visit our LinkedIn page and website for more visual content, or at your request we can provide you with links to these.

SERVICE & SOLUTIONS

STURGES ROAD BLOCK OF LINE (BOL)

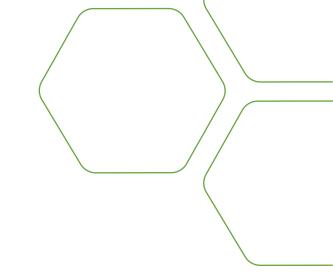
CLIENT
START & FINISH DATES

VALUE

STURGES ROAD, HENDERSON JOUBERT PILAT LTD

28 DECEMBER 2023 - 10 JANUARY 2024

\$1.2M



DESCRIPTION OF WORKS

KiwiRail encountered a challenge at Sturges Road, Henderson, where a 160-meter slip had compromised the rail line, necessitating immediate action to restore safety and stability. The solution involved constructing a retaining structure within a tight holiday schedule.

CLL was tasked with installing 108 steel Universal Columns (UCs) to support a concrete panel retaining wall. The UCs, ranging from 7 to 10 meters, were placed in cased concrete piles to address challenging ground conditions. The galvanised casings, treated with anti-graffiti coatings, were vibrated into the ground, drilled out, and the UCs were installed with a strict 50mm tolerance, using UC guide beams for precise alignment.

Due to the complexity of working under non-live overhead wires, CLL used specialised equipment, including two hi-rail 14-tonne drill rigs, a 36-tonne digger, a 23.5-tonne digger, and the MLRB self-propelled Manco Rail trailer to transport the UCs along the tracks.

The project was successfully completed between December 28 and January 10, 2024, with teams working 12-hour days throughout the holiday period to meet the deadline.



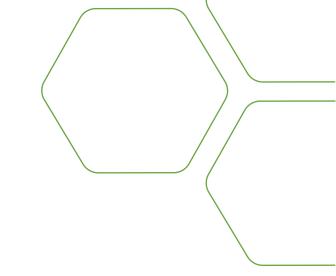




308 SH1, TE HANA, WELLSFORD

LOCATION
CLIENT
START & FINISH DATES
VALUE

308 STATE HIGHWAY 1, TE HANA, WELLSFORD JOUBERT PILAT LTD MARCH 2024 - APRIL 2024 \$140K



DESCRIPTION OF WORKS

KiwiRail faced a critical issue with soil slippage threatening the stability of their rail infrastructure. The slippage posed a significant risk to the safety and operational efficiency of the rail line. To address this, KiwiRail required the construction of a robust retaining wall to stabilise the soil and protect the rail line from potential slip threats. The solution needed to ensure long-term stability and reliability of the rail corridor.

CLL, in collaboration with JPL as a sub-contractor, was engaged to design and construct a retaining structure for KiwiRail.

The project involved the installation of UC beams and timber lagging to create a 40m long retaining wall capable of withstanding the slip pressures.

We installed 39 units of 250 Universal Columns (UCs) as the primary structural elements of the retaining wall. The installation process utilised a vibro-hammer on a 30t Excavator in conjunction with pre-drilling techniques for placement of the beams. To complement the UC beams, 150x50 timber lagging was installed between the beams.







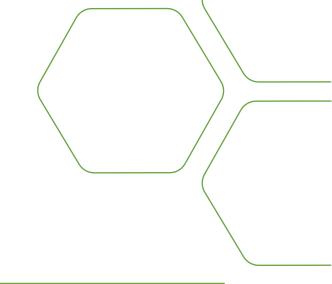
AUCKLAND RAIL ELECTRIFICATION

LOCATION
CLIENT
START & FINISH DATES
VALUE

VARIOUS LOCATIONS AUCKLAND WIDE HILOR (HAWKINS AND LAING O'ROUKE JOINT VENTURE)

2010 - 2014

\$19M



DESCRIPTION OF WORKS

CLL was contracted to install foundations for the masts needed to electrify the Auckland Railway. The project was conducted in a safety-critical, live railway environment, with most tasks performed at night, on weekends, or during public holidays. Throughout the project, an exemplary safety record was achieved.

The scope of work included installing approximately 2,600 piles up to 1200mm in diameter and 11 meters deep, as well as 600 pads and 50 rock anchors. Numerous retaining walls and other ancillary structures were constructed, using around 14,000 cubic meters of concrete in total.





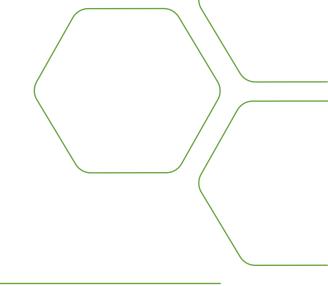


KINGSLAND RAIL UNDERPASS

LOCATION KINGSLAND, AUCKLAND

CLIENT HAWKINS

VALUE \$5M



DESCRIPTION OF WORKS

A new underpass was to be constructed at Kingsland Railway Station in Kingsland, Auckland. The key stakeholders included KiwiRail, ARTA, Opus, and Hawkins Infrastructure.

CLL successfully executed the installation project, which involved retaining, excavating, and installing a pre-cast underpass structure. The specific construction tasks included constructing a palisade wall with 750mm diameter x 19m deep piles, excavating 900m³ of material, applying shotcrete facing to retained areas, installing a 14m long pre-cast underpass, waterproofing and backfilling the underpass with hardfill, casting an in-situ staircase, installing 200m of public storm-water line, and reinstating footpaths.

Given the tight 21-day program over the Christmas break, CLL planned and implemented enabling works, including building temporary ramps for access and drilling platforms on a live rail system in the months leading up to the Christmas Block of Line (BoL). Utilising specialist drilling equipment and methodologies, CLL addressed deep piling in challenging ground conditions, managing casing and groundwater control. The main construction phase involved a dedicated team working in shifts to ensure timely and precise completion of the project. The project was delivered on time and met all specifications.



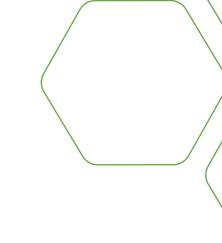




WELLINGTON METRO OLE UPGRADE

LOCATION
CLIENT
START & FINISH DATES
VALUE

WELLINGTON
FULTON HOGAN / JOHN HOLLAND JOINT VENTURE
6 MONTHS BETWEEN DECEMBER 2019 AND DECEMBER 2020
\$2M



DESCRIPTION OF WORKS

The project involved upgrading the foundations for Overhead Line Equipment (OLE) structures. All equipment and masts, some of which were originally installed as far back as 1938, were replaced with new infrastructure. The work spanned the entire Wellington network, a fully electrified and operational area, and was scheduled during BOL periods starting from the 2019 Christmas BOL, continuing through the Easter weekend, and extending well into 2020.





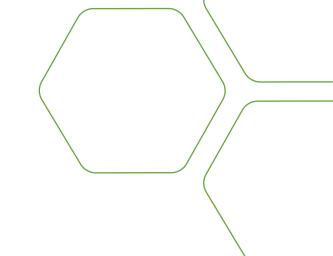




MOUNT EDEN STATION

LOCATION
CLIENT
START & FINISH DATES
VALUE

MT. EDEN STATION, AUCKLAND CRL CONSTRUCTION JANUARY 2022 - MARCH 2022 \$3.5M



DESCRIPTION OF WORKS

This project required the supply and construction of reinforced concrete piles for the foundations of the new Mt Eden Train Station extension. It involved dealing with demanding geological conditions, including Basalt volcanic rock and East Coast Bays Formation Mudstone/Sandstone Rock (ECBF rock).

CLL managed the installation of 68 reinforced concrete piles, ranging from 8 to 28 meters in length. To tackle the challenging geological conditions, we utilised the LB24 and EK90 drills equipped with a 600mm diameter down-the-hole (DTH) hammer, supported by a 70-ton crane. This equipment enabled us to achieve impressive penetration rates of 2 meters per hour in thick basalt layers.

Despite the complexities posed by the ground strata and the confined site due to live rail lines and close proximity to other trades, CLL's methodology ensured safety within these constraints and resulted in a successful completion.



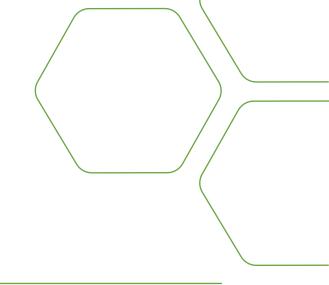
PUKEKOHE TO PAPAKURA, AUCKLAND

LOCATION PUKEKOHE TO PAPAKURA, AUCKLAND

CLIENT KIWIRAIL

OCTOBER 2022 - MAY 2023

VALUE \$6.9M



DESCRIPTION OF WORKS

START & FINISH DATES

This project focused on establishing the necessary infrastructure for the electrification of the railway line from Pukekohe to Papakura, enhancing commuter travel with a more efficient and environmentally friendly electric train connection from Auckland's CBD to Pukekohe.

In continuation of our successful partnership with KiwiRail, we installed 490 piles (both concrete and steel) to support the overhead electrification infrastructure.

The proximity to an active bidirectional rail line added significant complexity to the project. Our team worked closely with KiwiRail to coordinate activities and meet the operational requirements of the active rail line, ensuring a safe and timely project execution.



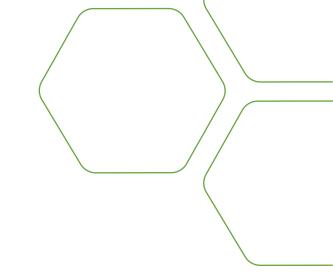




WIRI TO QUAY PARK

LOCATION
CLIENT
START & FINISH DATES
VALUE

PAPATOETOE, AUCKLAND DOWNER CONSTRUCTION JANUARY 2022 - MARCH 2022 \$3.5M



DESCRIPTION OF WORKS

KiwiRail contracted CLL to take on a crucial role in the development of a third electrified train track running from Wiri to Quay Park. This complex project involved a series of tasks essential for the successful completion of the new track.

CLL executed the project with Down the Hole (DTH) piling as a central element. The project further involved establishing new foundations for existing masts, constructing protective pier walls to ensure the structural integrity of the new railway, and installing a temporary retaining wall in preparation for the subsequent construction of a permanent palisade wall.





NON-NEGOTIABLES



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



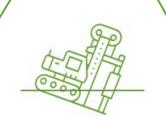
NO MACHINE OR



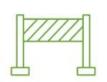
VEHICLE MOVEMENT WITHOUT A SPOTTER



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



GEOTECH APPROVED PILING PLATFORMS MUST BE IN PLACE



ISOLATE PILING ZONE USING SIGNAGE AND BARRIERS



NEVER LEAVE OPEN HOLES UNCOVERED



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.

Weare 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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