



Transforming Roads

with ACO Infrastructure

Showcasing Roading Installations for
Different Applications across New
Zealand.

ACO. we care for water



Transforming Roads and Streetscapes

ACO Infrastructure is the leading brand for trench drainage in transportation infrastructure applications. ACO's systems consist of channel units made from corrosion resistant durable materials designed to withstand the most challenging environments.

ACO Infrastructure Revolutionising Roadways

Explore how ACO Infrastructure products are revolutionising roadways by offering innovative solutions like **ACO KerbDrain**, in combination with options like **ACO KlassikDrain** or **ACO SlabDrain**, ensuring a consistent capture of road surface water. These solutions improve hydraulic efficiency and facilitate maintenance access, while providing seamless transitions between the channel inverts.

ACO Monoblock excels in areas where the trench is part of active traffic due to its monolithic construction, which eliminates the risk of components vibrating loose when exposed to fast-moving vehicles. For quieter streets, **ACO Drain** trench drains and **ACO Access Covers** shape the streetscapes, prioritising pedestrian safety and minimising visual disruption.

36 %

That is how much cheaper the KerbDrain solution is compared to a Kerb Inlet Pit & Pipe solution.

Please take a look at the full cost comparison report by scanning the QR Code.

Component prices are derived from the Rawlinsons Australian Construction Handbook.



This Booklet features:

ACO KerbDrain

ACO KerbDrain is an integral kerb & trench Drain which captures runoff from the street surface that flows into the horizontal inlet slots for a continuous capture and efficient water removal.

ACO Monoblock

ACO Monoblock is designed to address the drainage demands of heavy duty areas in fast moving traffic. It combines the benefits of Polycrrete Channels with a robust single piece construction for high durability.

ACO Drain

ACO Drain systems consist of modular channel units made from corrosion resistant Polymer Concrete together with grates from a variety of materials for all loading applications. This range includes **ACO KlassikDrain** and **SlabDrain**.

ACO Access

ACO manufactures a range of high quality access covers which, whilst providing quick and easy access to underground services, enable decorative floor finishes to be maintained with minimal interference.



Havelock Road Napier

KerbDrain QK200B along with KlassikDrain K200 for continuous capture and ease of maintenance.

The use of ACO KerbDrain QK200B in conjunction with ACO KlassikDrain K200 at Havelock Road in Napier allows for interruptions in the kerb, such as driveways, while still ensuring consistent capture of surface water. In this scenario, the water flows at an accelerated rate, especially given the steep road, emphasising the critical need for effective surface water management. The inclusion of KlassikDrain simplifies access for maintenance purposes.

After Cyclone Gabrielle, Tony from Napier City Council shared that our system worked perfectly and that the locals are very happy!









Main Road Kumeu

Double safety with ACO SlabDrain added for overflow management.

In 2023, Main Road Kumeu SH16 underwent a transformation as part of the NZ Transport Roadworks Safety Improvements project. ACO products, including ACO KerbDrain QK200B and ACO SlabDrain H300SK, were strategically installed to tackle the challenge of underground services in the area. KerbDrain ensures continuous stormwater capture, while SlabDrain manages potential overflow.

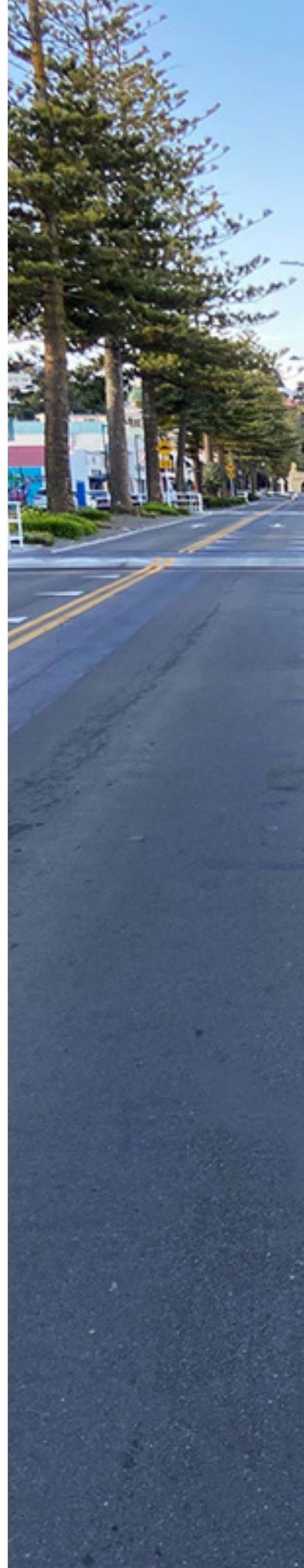
Dealing with the depth restriction proved pivotal, eliminating the need for disruptive excavation on this bustling main road. The successful and timely installation highlights the efficiency ACO brings to projects, ensuring the highest standards of performance and reliability.



Napier Marine Parade

Upgrade for Napier's Marine Parade included first ACO KerbDrain QK100 install.

ACO was specified for this project, incorporating the increasingly popular KerbDrain and, for the first time in New Zealand, ACO KerbDrain QK100. Unique to this system is the inclusion of distinctive 'drop curbs,' enabling KerbDrain to maintain a continuous channel irrespective of driveways or footpaths. The design facilitates easy water conveyance while ensuring continuous capture, minimising the risk of ponding, and creating a clear crossing point and a safe area for pedestrians.









SH1 Road Upgrade Auckland

ACO Monoblock for strength and durability in roading projects.

During the SH1 road upgrade in February 2020 the first ACO Monoblock trench channel drain was successfully installed. In collaboration with ASM Auckland System Management and the local contractor TWC, ACO supplied a heavy duty drainage solution that fulfilled the requirements of the highly trafficked highway.

With its high capacity, ACO's Monoblock RD200V 20.0 minimised the risk of standing water on the road and due to the monolithic characteristic, there was no risk of flying components. Overall the product was chosen for its durability and ease of maintenance access.

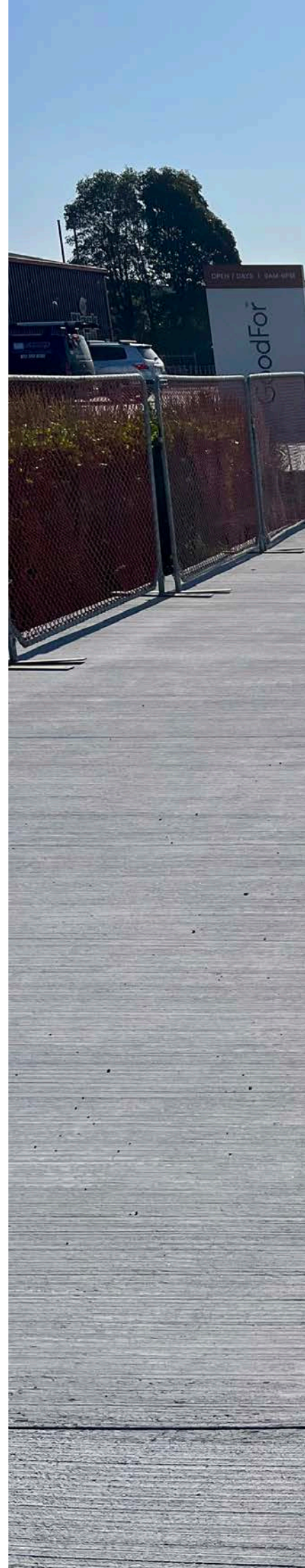


Main Road Kumeu

ACO Monoblock for strength and durability in roading projects.

The installation of ACO Monoblock RD200V on Main Road in Kumeu was a crucial component of the NZ Transport Roadworks Safety Improvements project. Due to the monolithic construction of the system, no components of the trench drain vibrate loose, even during high-traffic hours. This is essential to ensure the safety of road users and prevent disruptions.

Manufactured from robust Polymer Concrete, this system ensures long-lasting performance. Monoblock is particularly well-suited for applications where drainage must be integrated within the flow of traffic. It features Access Units with removable, lockable grates, facilitating maintenance access.





57
NORWEST LIQUOR

KOMEU TYRES



300-F-007-0

D400F-300

EN1433

300-F-007-0

D400F-300

EN1433



HOTEL
KELVIN

HAWAIIAN
TIMES

SALE



Invercargill City Centre

ACO ACC Covers for visual continuity along the pavement.

In mid-2022 to early 2023, ACO ACC Access Covers were installed in the Street Upgrade project for Invercargill's city centre. These covers were customised for 80mm pavers and were chosen for their discreet and unobtrusive design, providing swift access to the electrical network.

ACO ACC Covers were selected due to their ability to seamlessly blend with the visual aesthetics, their compatibility with the paver depth for quick and easy installation, and ACO's established track record in numerous street upgrades.



Invercargill City Centre

First install of ACO KlassikDrain K200 with Double Brickslot.

In mid-2022 to early 2023, ACO products were installed in a Street Upgrade project for Invercargill's city centre. The products included ACO KlassikDrain K200 with a Double Brickslot cover containing two discreet 8 mm wide inlet slots side by side. These were customised for 80 mm pavers.

ACO Double Brickslot efficiently manages surface water while maintaining minimal aesthetic impact, ensuring visual continuity of the pavement. ACO was chosen for its excellent hydraulic performance, channel capacity, and compatibility with the paver depth. Notably, this project marked the first installation of ACO Double Brickslot and was completed within the specified timeframe.



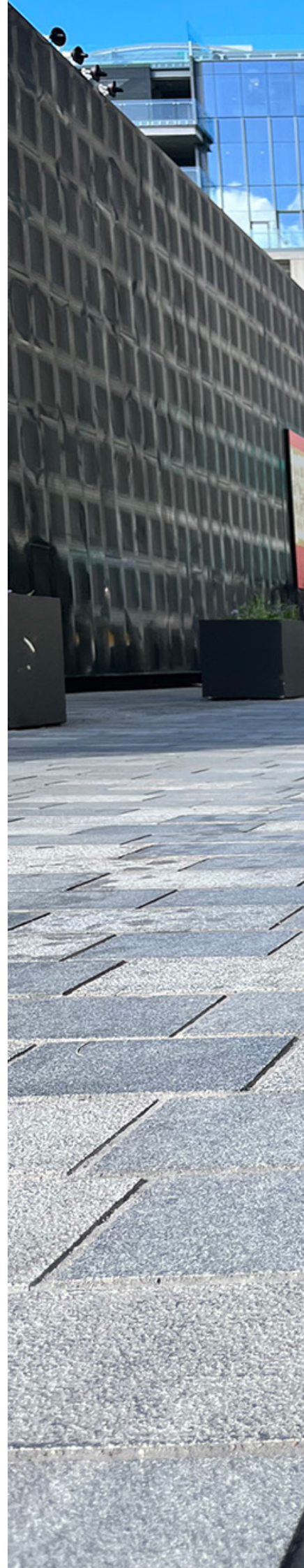


Galway Street Auckland CBD

ACO KlassikDrain K200 ensuring pedestrian safety.

This project in the heart of Auckland's city centre has been shortlisted for the NZILA awards 2022. ACO supplied its KlassikDrain K200 along with ductile iron grates installed in the middle of the street. The system ensures the safety of pedestrians floating through the new developed space and supports people with accessibility needs.

Galway Street belonging to the Britomart Precinct, is part of the overall plan to create a modern and connected city centre with pedestrian-friendly public spaces and is the result of a collaboration between Auckland Council and Auckland Transport.





W

Core St

250xN

ACC





Galway Street Auckland CBD

ACO ACC Covers for visual continuity in Auckland's CBD.

ACO supplied a range of products for the Galway Street project in Auckland's CBD, including ACO ACC Covers. ACC Paver Covers, recessed Ductile Iron covers and frames with a standard 85 mm deep pan, were used to create visual continuity by matching the surrounding pavement. These covers, tailored for the project's needs, facilitate quick and easy access for maintenance of underground services. The square covers, available as single or multipart covers, are certified up to AS 3996 Load Class D, ensuring durability in the busy city environment.



Ashburton Street Upgrade

ACO KlassikDrain K200 shaping Ashburton's streetscape.

Perfectly suited for the catchment area, ACO supplied its ACO KlassikDrain K200 for reliable surface water management and pedestrian safety together with ductile iron **Heelsafe**® Anti-Slip grates. The street upgrade has been a part of the Ashburton CBD Revitalisation project, which aims for a connected, warm and safe city centre that attracts people. The distinctive colour of the ACO grates expresses the plan to incorporate the colours of the Canterbury Plains into the CBD to create a warm atmosphere where people feel comfortable and at home.







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