



## CASE STUDY

# INFRASTRUCTURE THAT CONNECTS. PROUD SUPPLIER OF 3200MM LARGE DIAMETER CULVERT PIPE FOR PATOKA'S RESILIENT FUTURE

In the aftermath of **Cyclone Gabrielle**, significant damage was caused to infrastructure across Hawke's Bay. One critical site was the **Patoka culvert** on Hendley Road, a vital access route for rural families and dairy operations, severely compromised during the storm. This culvert was one of many damaged across the region. For over two years, the road remained a narrow, temporary crossing, which raised serious concerns about safety, access, and resilience during future events.

- **Location:** Hendley Road, Patoka, Hawke's Bay, NZ
- **Scope:** Supply of **30 metres of 3200mm culvert pipe**
- **Sector:** Infrastructure / Disaster Recovery
- **Installer:** [Hick Bros Civil Construction Limited](#)

We are proud to have supported the Patoka 3200 project by supplying 30 metres of 3200mm large-diameter HDPE culvert pipe, specially manufactured and delivered to meet the specifications of this high-impact rebuild.

Our team worked closely with the contractor ([Hick Bros Civil Construction Limited](#)) and design consultants ([WSP](#)) to ensure timely delivery and full compatibility with the site's upgraded requirements, including:

- ✓ Increased load
- ✓ Full two-lane width upgrade
- ✓ Long-term durability under high-flow conditions

### Project Highlights

- ✓ **Resilience-focused design:** The replacement culvert is larger, stronger, and built to withstand future extreme weather events, embodying the principle of *manaakitanga*, caring for and protecting the community.
- ✓ **Ecological care:** A custom-designed fish ladder was integrated into the culvert to protect native aquatic life (*taonga* species) and preserve natural stream flow, honouring the sacred relationship between people and the environment.
- ✓ **Community impact:** The new culvert restores safe, reliable access for local farming families and services such as milk tankers, school transport, and emergency response.
- ✓ **Sustainability:** The large-diameter HDPE pipe used is highly durable and resistant, ensuring long-term performance and reducing the need for frequent replacements.











