



CASE STUDY

WHAKAAHU

Underground Titan: Whakaahu DN2500 Culvert

OVERVIEW

The **Whakaahu** DN2500 Culvert in Gisborne is a standout example of modern flood management infrastructure. Constructed from HPDE (High-Density Polyethylene) pipe, this culvert combines strength, durability, and resistance to corrosion, ensuring a long-lasting solution for flood control.

The culvert comprises six 2.5 m sections with an SN rating of 15.26, designed to efficiently channel water under roads and across flood-prone areas. Moreover, its robust engineering safeguards homes, businesses, and the wider community during extreme weather events.

KEY FACTS

- ✔ **Location:** Whakaahu, Gisborne, New Zealand
- ✔ **Pipe Material:** PE100 (HDPE)
- ✔ **Pipe Size:** DN2500 culvert, six sections of 2.5 m
- ✔ **SN Rating:** SN15.26
- ✔ **Purpose:** Flood control and water management
- ✔ **Certifications:** AS/NZS 5065:2005, ISO 9001
- ✔ **Merchant:** Zip Gisborne
- ✔ **Contractor:** Earthwork Solutions

The **Whakaahu DN2500 Culvert** demonstrates how careful design and engineering expertise come together to protect communities. By combining scale, strength, and strategic placement, this project exemplifies modern infrastructure that prepares **Gisborne** for future flood challenges.





