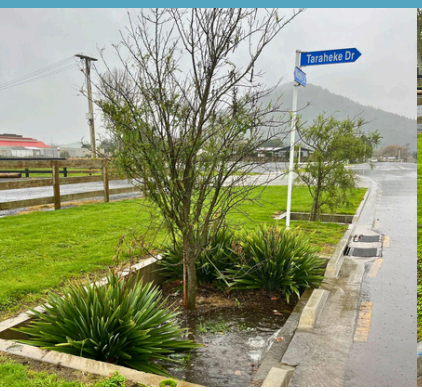
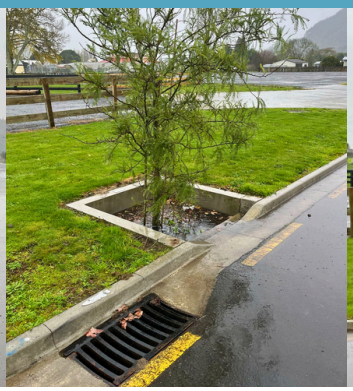
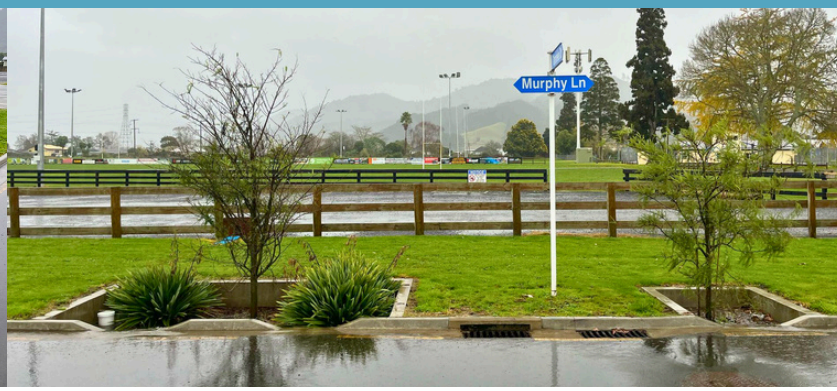
Filterra®

Taupiri, Waikato







CLIENT: Property Developer

SPECIFIER: Blue Wallace

A new subdivision in Taupiri was originally designed with 28 tree pits for stormwater treatment. Seeking a more cost-effective and efficient alternative, the developer and Blue Wallace engaged Stormwater360 to provide a solution that reduced both capital and operational expenditure, without compromising water quality outcomes.

THE SOLUTION:

By replacing the proposed tree pits with just 8 Filterra® units, the project team achieved a significant reduction in required infrastructure. The Filterra® system offered an innovative “plug and play” solution that provided the same high-performance water quality treatment, while dramatically reducing the number of devices, installation time, and long-term maintenance responsibilities.

This reduction in devices eased the burden on the council for future upkeep, with fewer assets to maintain and monitor.

DESIGN & INSTALLATION HIGHLIGHTS:

- **Original Design:** 28 tree pits
- **Revised Design:** 8 Filterra® units for equivalent treatment performance
- **Installation Efficiency:** Delivered to site pre-assembled; installed quickly with minimal disruption
- **Commissioning & Support:** Stormwater360 commissioned the units post-road sealing and provided the first 12 months of maintenance to ensure optimal performance
- **Training:** On-site and online training delivered free to all maintenance personnel

TARGET POLLUTANTS:

- Total Suspended Solids (TSS)
- Gross Pollutants (Litter)
- Hydrocarbons and Oils

MAINTENANCE REGIMEN:

- Simple and low-cost maintenance
- 6-monthly replacement for the mulch layer
- Long lifespan media with no need for frequent replacement

PROJECT OUTCOME:

The Taupiri subdivision now benefits from a high-efficiency stormwater treatment system that is easier to maintain and more sustainable over the long term. Filterra® enabled the developer to cut installation costs and reduce asset load for the local council—while still meeting water quality and compliance goals.