

MANUREWA TRUNKMAIN AUCKLAND, NORTH ISLAND

DRAINAGE SYSTEMS

Product: Megaflo 300

Problem

For the Manurewa Trunk Watermain upgrade, a sub soil drain was required to be installed alongside the pipe to reduce hydrostatic pressure in the trench.

The watermain was installed in a trench 2.3m deep requiring the sub soil drain to have sufficient strength and robustness to withstand placement and backfilling.

Solution

Megaflo 300 was chosen for this project because of its high crush strength core, geotextile filter and high flow rates. The rigid core ensured the drain could be easily placed alongside the pipe and would not buckle or crush when the trench was backfilled.

The Megaflo 300 is supplied pre wrapped in a Bidim non woven geotextile protecting the core from blockage and retaining the sand used to bed and backfill the pipe.

The overall project took 7 months to complete and extended across the Southern Motorway and Great South Road. Only short sections of trench could be excavated at any one time but despite these constraints the project was managed with very little disruption to traffic.

Megaflo 300 had already been successfully installed on a previous section of the Manurewa Watermain.



2.3m deep trench with mains pipe

Date: May 2002



Megaflo & SAP7 Scoria placement

Date: May 2002

Client name:

WATERCARE SERVICES

Main contractor name:

PIPELINE & CIVIL LTD

Consultant:

WATERCARE SERVICES

Product used:

MEGAFLO 300

Construction date:

MAY 2002



Construction along Alfriston Rd

Date: July 2002

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