

Auckland Transport *TetraTrap*

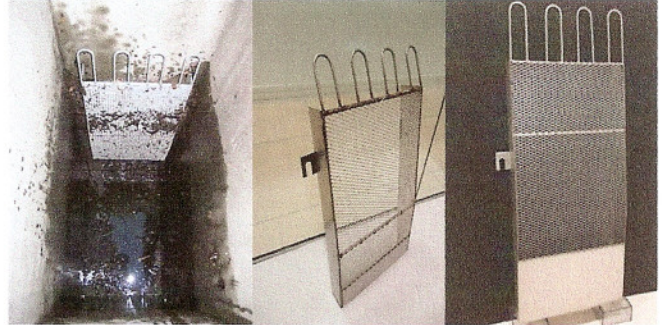
Asset Type: Filter Screen/Pollutant Trap.

Asset Name: *TetraTrap*. Version 1, 2, 3

Construction: Stainless Steel.

Asset life: 25 Years.

Dimensions: Varies – dependant on



Installation: Mounted on two bars installed in catchpit wall. Enables easy removal of unit if required. Can retrofit in existing catchpits.

Design Criteria: Catchpit type and attributes, spacing and sump depth, inlet/outlet control, catchment characteristics, leafy streets, flood protection level of service, rainfall patterns, catchpit cleaning regime, high litter/sediment deposition zones, sensitive receiving environments, roads with greater than 20,000 vehicles per day, stormwater systems linked to combined sewer overflows.

Use: All Standard 660x460 mm and 800x500 mm Street Catchpits with minimum wall width of 450 mm. Specific designs required to retrofit in existing catchpits with angled outlet pipe configurations and capture pits with non-standard dimensions.

Maintenance: Routine catchpit cleaning cycle (vacuum loading), no specialist equipment required. Cleaning time may increase by 2 – 2.5 minutes per catchpit with *TetraTrap* installed. Removal of sediment/litter from face of screen by suction or similar.

Performance: Flows in excess of 50 litres per second in 800x500 mm Street Catchpits with 225 mm outlets. Sediment capture increased 75-175% over a four month loading cycle. Improved performance in 800 x 500 mm Street Catchpits.

Cost: Dependant on *TetraTrap* version used.

Approved by: Auckland Transport.

Approved Manufacturer: Darby and Helm Ltd, 31 Bancroft Crescent, Glendene, Auckland.

Researched, Developed and Designed by: GHD Ltd for Auckland Transport Group.

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