

# CASE STUDY

## New Retaining Wall with Limited Depth Access

**Location:** Rosny Esplanade, Montague Bay, Tasmania

### The Problem

The existing retaining wall had to be replaced due to the realignment of the driveway. Depth for an Ag pipe behind the new wall was limited. The planned Ag pipe would have exited from the retaining wall at some 5cm above the adjacent footpath. Alternatively, a trench would have to be dug behind the new wall and across the public footpath to the gutter.



Existing wall to be removed

Fence posts and concrete footing make digging trench for Ag pipe difficult.



### The Solution

Capiphon belt was laid on its edge against the retaining wall, on a 5% slope towards the footpath. The belt was inserted into the gap between the old and new sections of the retaining wall. The smooth side of the belt was placed against the wall, while the grooves were faced towards the soil. The belt was held in place by pieces of broken brick while coarse sand was placed against the belt before the void was backfilled.







### Capiphon Advantage

- No excavation.
- Used only a small amount of coarse sand to cover the belt, instead of large quantity of aggregate.
- No need to cut trench across footpath.
- No need for large, unsightly weep hole.

### Results

- Total time taken: 15 minutes
- 5 metres of Capiphon belt.
- A neat, tidy and inexpensive solution

