CASE STUDY
ON THE EDGE: Capiphon overcomes space restriction

Location: West Hobart

The Problem

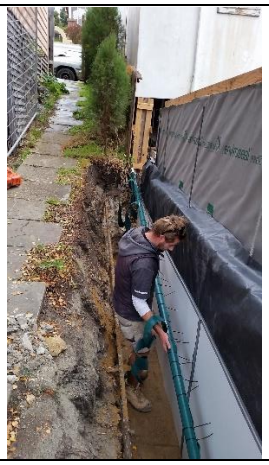
A car ran off the road and partially demolished the kitchen at the back of a house in West Hobart. The insurance company agreed to replace it.

Given the fact that the original kitchen was built into the hillside, drainage was obviously a necessity. There had been signs of water seeping through the rock/rubble stratum adjacent to the old wall leading to rising damp. There had been an Ag Pipe in place but that didn't appear to be functional and, in any case, could not be replaced in its original position as the old room had been right on the property boundary.

The owners wanted to rebuild the room on the same footprint and wanted to maximise the usable space. The designer (John Weston Architectural Design) had previously used Capiphon in a similar situation so suggested to the owners to pull the building in from the boundary by 40mm, sufficient to allow for a Capiphon pipe to be used.

Given, too, the slope and the permeability of the rock stratum, it was decided to take a "belt and braces" approach with strips of Capiphon Belt running down the wall and into the Capiphon Pipe.

The area behind the new wall was excavated below the slab and a bed of FCR compacted to a level below the slab.

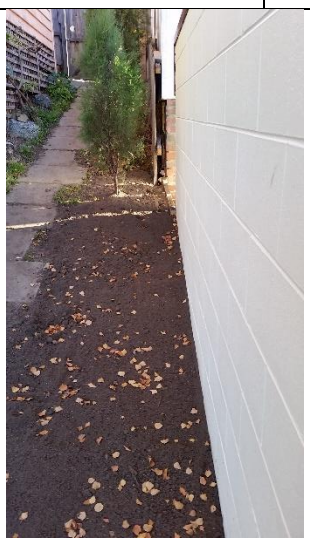


Capiphon Pipe being fabricated on site before being laid on a thin layer of coarse sand.

Strips of Capiphon Belt inserted into the Capiphon Pipe, and taped to the core flute sheets.

The Capiphon Pipe plugs into the special connector to join the stormwater system.

Covering the Capiphon Pipe with coarse sand before backfilling the trench.



The finished wall with just 40mm of space lost.

Construction by Fairbrother