

CASE STUDY

Rock Seepage into Outside Laundry & Courtyard

Location: Hampden Road, Battery, Tasmania

The Problem

The house has been built on a rock bench at the foot of the old Hobart foreshore. Water seeps through the sandstone cliff face into the old outside laundry and into a partly enclosed courtyard. In heavy rain water flows from a deep drain (the Moat) designed to keep it away from the front of the house.



Despite attempts to control the situation with surface and sub-surface drainage, water has seeped under and through the sandstone foundations over the years causing rising damp in the ground floor rooms.



The Solution

Capiphon pipe was laid directly into the spoon drain at the back of the laundry wall, and covered with coarse sand. (Pavers will be laid on top at a later date) It was connected to further lengths of Capiphon pipe through the existing hole to the courtyard outside. The Capiphon pipe was, in turn, connected to the existing stormwater pipe.

Short strips of Capiphon belt were then laid on a thin bed of coarse sand and inserted into the Capiphon pipe and directly into stormwater pipe. Pipes and belts were then covered with coarse sand before surfacing with gravel.



Capiphon Advantage

- Minimal excavation.
- Able to connect to existing stormwater without having to cut trench across or under concrete footpath.
- Used only a small amount of coarse sand to cover the belt, instead of large quantity of aggregate.

Results

- Total time taken: 6 hours
- 4 Capiphon pipes plus 5 metres of Capiphon belt.

Insert photo of completed job