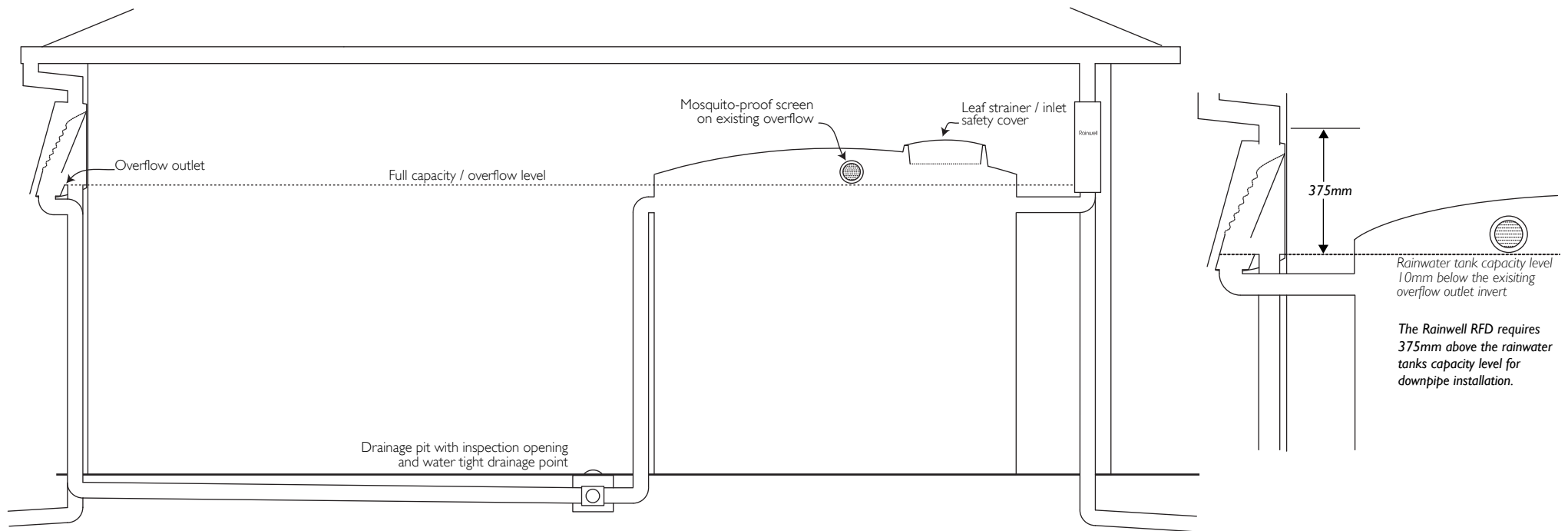


## Multiple Rainwell RFD System - Above-ground Rainwater Tank



Maximising roof catchment to a single rainwater tank is now better.

A horizontal line from the rainwater tanks desired capacity level to a downpipe determines the Rainwell RFD's operating height. When the rainwater tank is filling the leveling effect of gravity raises the water level to the Rainwell RFD's overflow outlet to divert water flow back into the downpipe. Connecting multiple Rainwell RFD's to the rainwater tank requires they all must be at an same height on the downpipes to ensure, when the rainwater tank is full, the flow is equal through the Rainwell RFD to the downpipe.

The traditional rainwater tank system require the tank overflow capacity to stormwater match the downpipe volume - 2 x 90mm downpipes = 2 x 90mm or 1 x 130mm overflow outlet/s. If the overflow capacity is less than the downpipe volume the tank has the potential of overflowing and will contravene plumbing regulations.

Multiple Rainwell RFD System benefits:

- ~ Fail-safe tank overflow
- ~ Existing stormwater system is utilised
- ~ Modular - easy to revert if the tank is removed
- ~ Reduced installation costs
- ~ No water loss & flood damage from blocked leaf-strainers and meshed overflow outlets
- ~ No safety risk to access and maintain leaf-strainers and meshed overflow outlets
- ~ Secure leaf-strainer cover prevents accidental tank entry and algae growth
- ~ Safeguards waterways from contaminated tank water
- ~ Low maintenance, lift-out self-cleaning filtration

The Rainwell RFD and Multiple Rainwell RFD System are in accordance with HB 230-2006 Rainwater Tank Design and Installation Handbook, Standards Australia, ARID, Master Plumbers - January 2006. Variations may occur, check with the local responsible regulatory authority.