Permeable and Impermeable Areas

Total development area is 1.80 ha

Existing Development

Permeable Area
100% of the site is permeable measuring 1.80 ha

Impermeable Area
0% of the site is impermeable measuring 0.00 ha

Existing Development

Permeable Area
50% of the site is permeable measuring 0.90 ha

Impermeable Area
50% of the site is impermeable measuring 0.90 ha

Proposed Development

Permeable Area
50% of the site is permeable measuring 0.90 ha

Impermeable Area
50% of the site is impermeable measuring 0.90 ha

Key
1:10yr storm will result in 53mm of water held in the 250mm deep, 7000m² wetland area, but at an infiltration rate of 0.0009m/hr gives a half drain down time of 4608 minutes. This allows for approximately 5 consecutive 1:10 storm events occurring and the wetland will not flood.

1:100yr +40% Storm will result in 128mm of water held in the 250mm deep, 7000m² wetland area, but at an infiltration rate of 0.0009m/hr gives a half drain down time of 8532 minutes. This allows for approximately 2 consecutive 1:100+40% storm events occurring and the wetland will not flood.