



AWMA Water Control Solutions is Australia's leading turn-key manufacturer of specialised water control infrastructure including penstocks, flood barriers and self-cleaning screens. Based in regional Victoria, AWMA has established specialist design, manufacturing and installation teams with the capacity and experience to service domestic and international markets.

The GovHub driveway is subject to overflow flooding from gutters in the street during heavy rains. The basement carpark therefore required a flood barrier to be embedded in the driveway. AWMA's FloodFree range of barriers was the obvious choice for Ballarat GovHub's custom made flood barrier. "A strip drain was inserted in to the driveway at the basement entrance to intercept water overflows," said General Manager, Peter Ebenwaldner. "Water drains into a cassette which, if it fills to capacity, floats the flood barrier into position to prevent water ingress flooding the basement."

The 7.8m wide barrier was constructed to raise up to 800mm high, based on the one in one hundred year flood level prediction which would produce a water height of 500mm at the barrier, leaving 300mm of freeboard. "This type of calculation is made on every project we undertake, which translates into every AWMA product being

individually designed and manufactured to suit the characteristics of the site and expected flood waters such as flow, debris, height etc."

The GovHub building had a suspended slab for the driveway so the flood barrier had to be supported in a specially designed and built reinforced pocket recess.

Amongst AWMA's other high profile projects, they designed, manufactured and installed four flood barriers at the Melbourne Conservatorium of Music for Lendlease, including one at the main entrance measuring 16.1m in length by 1m high. AWMA's world class flood barriers also protect many commercial office buildings and high end apartment blocks across all Australian states as well as New Zealand and South East Asia.

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