

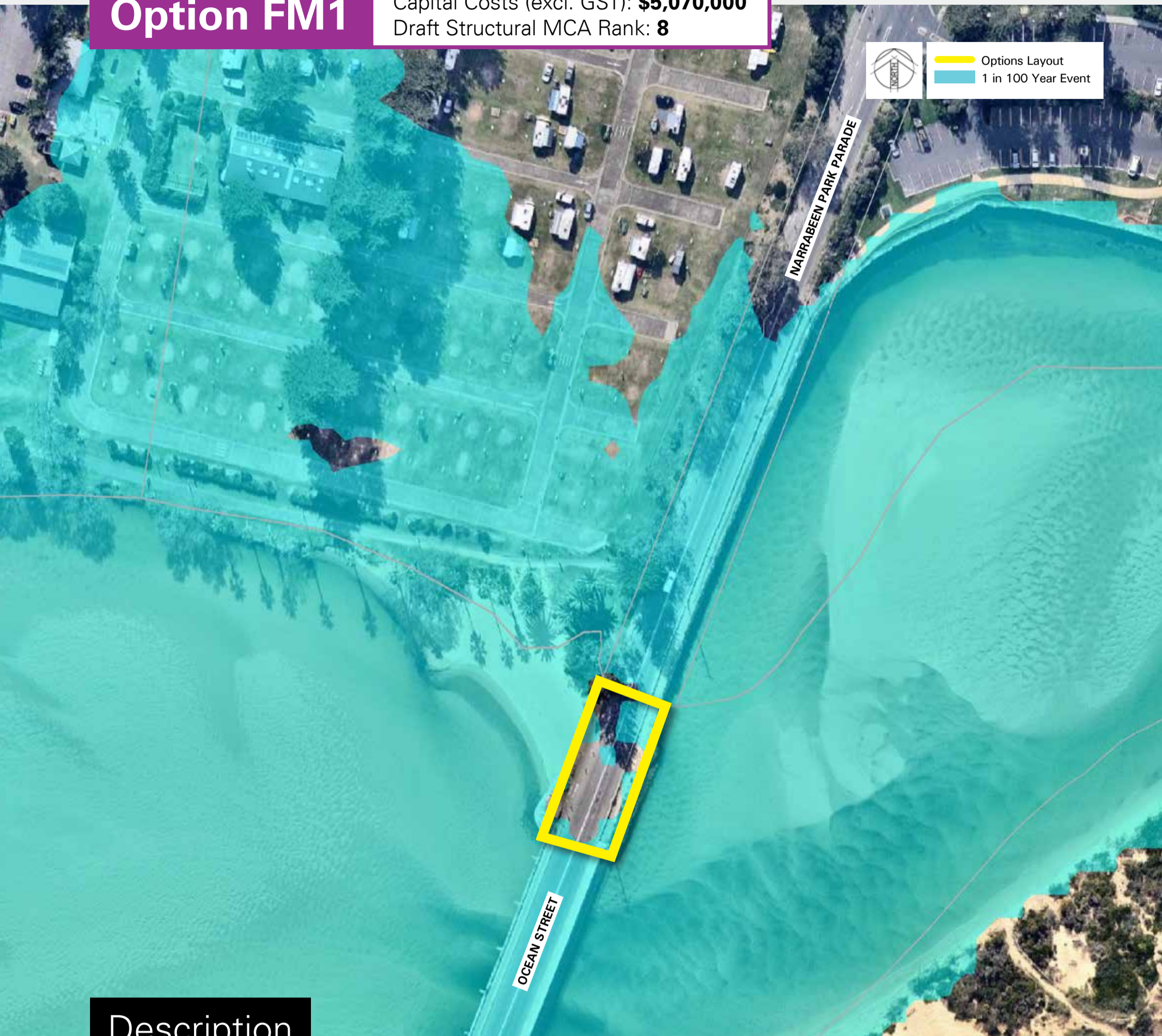
Ocean Street Bridge Extension



northern
beaches
council

Option FM1

Capital Costs (excl. GST): **\$5,070,000**
Draft Structural MCA Rank: **8**



Description

The existing northern embankment of the Ocean Street bridge encroaches into the lagoon a distance of 42 m. In the existing 1 in 100 year flood scenario there is an approximately 0.1 m water level difference between upstream and downstream of Ocean Street, which suggests that the bridge acts as a constriction to flow. If the bridge was extended to the north and the embankment removed, the additional flow path width has the potential to lower flood levels in the northern portion of the Lagoon including Nareen Creek, Lakeside, and Warriewood Valley.

Modelling Results

The option reduces the level within the lagoon by 0.01 to 0.03 m. The effects of this reduction are experienced upstream to Pittwater Road where the control at this location minimises any further reductions. In general this option provides some protection for the catchment and some minor hazard reductions around the lagoon area.