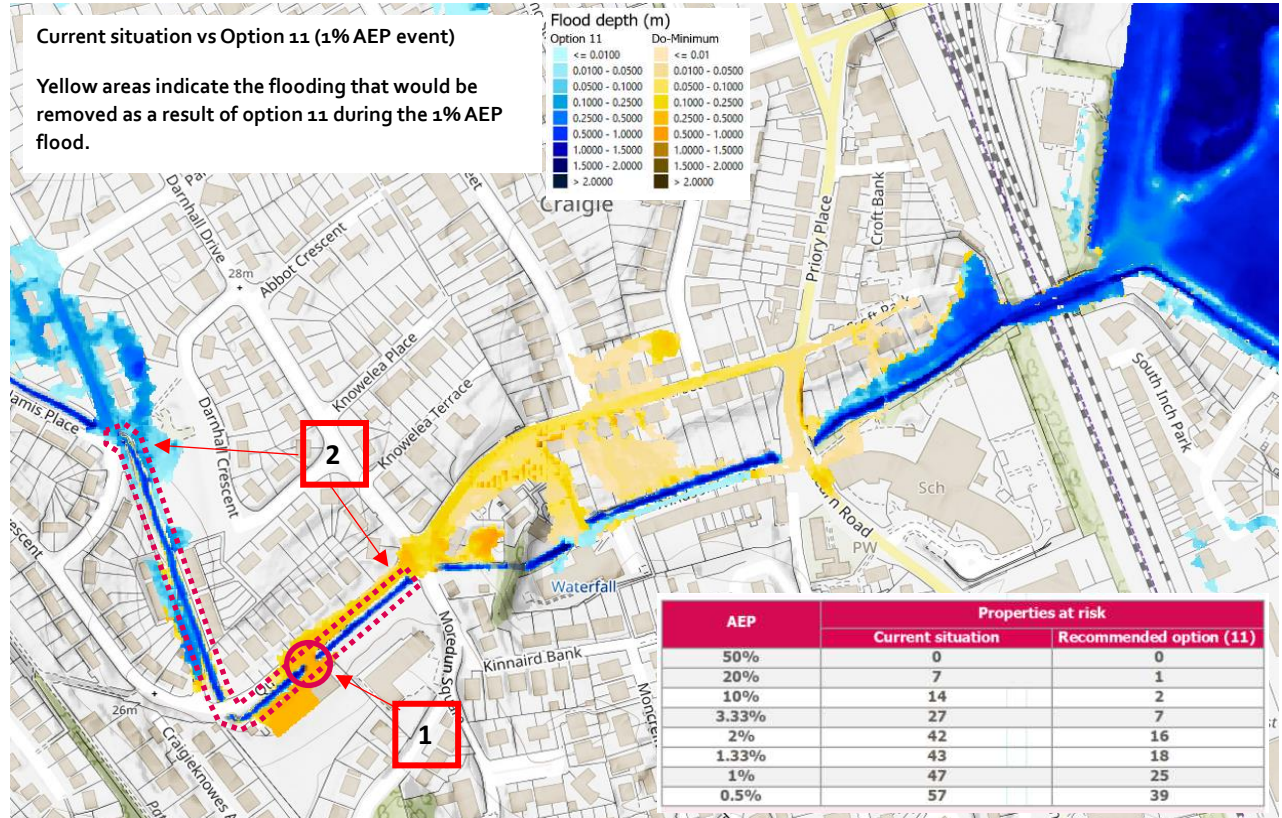


Appendix 2 – Recommended Option

Recommended Option – Culvert upgrade and channel modification (Balmoral Place & Queen’s Avenue).



The flood study recommends Option 6 (Option 11 in the flood study report) which consists of the following two actions:

1. Upgrading the culvert on the Craigie Burn beneath the road access to Queen’s Court. This will involve replacing the existing culvert (which consists of twin 800mm diameter pipes) with a new larger box culvert (2.65m x 1.4m in size) to increase its flow capacity.
2. Localised channel modifications on the Craigie Burn. This will involve removing 200mm of riverbed material (extending from downstream of Murray Crescent to the culvert at Craigie Knowes Road) to increase channel flow capacity.

The recommended option will increase the estimated channel flow capacity at Queen’s Avenue from the current 1 in 5-year flood to the predicted 1 in 100-year flood event. This will remove the area of flooding shown in yellow on the above 1 in 100-year flood map.

The estimated capital cost is **£0.314m**, with a benefit/cost ratio of **1.42**.