9 What could the scheme look like along Carron Terrace?

Retaining the character of Stonehaven

We recognise the value that trees add to the setting and views within Stonehaven. They provide character to streets such as Carron Terrace, or create structure and shelter along the river. Our designs include innovative solutions to retain trees where possible, including those along Carron Terrace.

Where we cannot avoid removing trees, new specimens will be planted where space allows. Other trees may require pruning, which may lead to some temporary changes to views within the town.

New flood walls

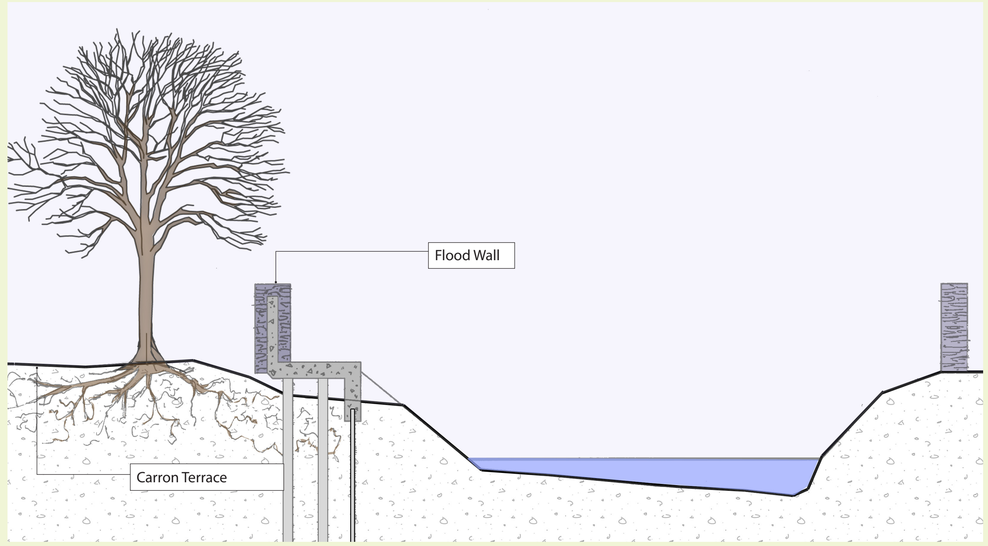
We need to increase the height of the flood walls on both banks upstream of the White Bridge. To contain higher flows, flood walls on Cameron Street need to be around 1.9m high, but this would have an 'every day' impact on the river views and character of Stonehaven. We propose to build a low flood wall similar in height to the current wall and use innovative self closing barriers to contain higher flood flows.

Naturalising the river bank

We are planning to remove the boulders along the bank and reduce the height of the bank to a more natural form. This will help direct flows under the bridge.

Defences near trees

Flood walls have been designed to avoid disturbing trees roots, which means that many specimens can be retained. To ensure that no water will flow beneath the walls, a cut section of sheet piling will be placed outside the root protection zone. Additional space is required during construction to ensure that machinery can access the site, as well as the storage of materials, excavation for foundations, allowance for safety and circulation and scaffolding.



Trees and flood defences

With our specialist consultants we have explored and developed innovative ways of providing flood defences that minimise the impact on trees. It is possible to construct new flood defences near trees, without adversely affecting their health, if care is taken in the design and installation. This can be achieved by supporting the base of the defence just above ground level with a framework of narrow piles that require very little excavation into the soil.