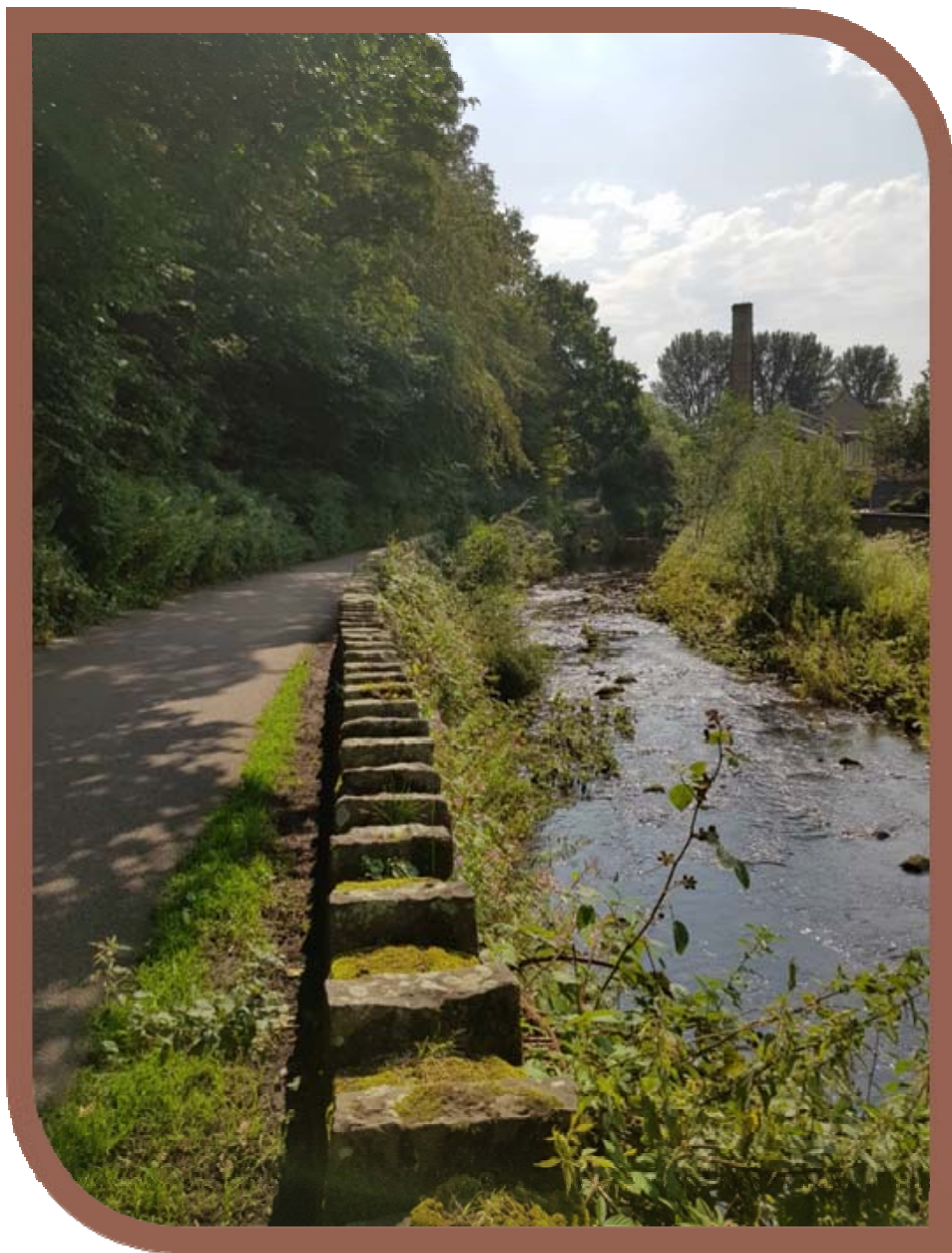


Engineering Issues in Barrowford Park



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Executive Summary

A request was made by the Parks Outreach Officer to the Engineering Department to investigate a number of engineering concerns within Barrowford Park.

The issues investigated included a masonry retaining wall adjacent to Pendle Water and some curved masonry walls around the bases of large mature trees adjacent to Barrowford Cemetery.



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Masonry Retaining Wall adjacent to Pendle Water

Concern was raised over the condition of the retaining wall, specifically

- A self-seeded ash tree which has caused some movement to the parapet wall
- Cracking in the parapet wall
- Vegetation growing from the wall
- Vertical cracks in the retaining wall visible from the riverside.

An inspection and site meeting was carried out on 27th August 2019.

The general condition of the retaining wall is average with no apparent major structural issues. The base of the retaining wall was inspected from the river bed to investigate undercutting. None was apparent. The areas of cracking are considered to be consistent with retaining walls of a similar age and are not considered to need remedial action in the short term

Recommendations are:

- Removal of the ash tree and localised repair to the masonry parapet if required
- General clearance of vegetation from the wall
- Localised repairs to masonry parapet as required.



Curved Masonry Walls around Tree Bases

Concern was raised over the condition of the trees and retaining walls on the embankment below Barrowford Cemetery, specifically:

- The stability of the retaining walls around the tree bases
- The stability of the trees themselves.

Parks have regularly had the trees inspected and assessed in terms of their stability. In terms of the curved masonry walls, some of them are in relatively poor condition. Removal is not recommended due to further root exposure and risk of making the trees more vulnerable.

Recommendations are:

- The trees are inspected and assessed regularly
- Repairs are carried out to the masonry walls as required including new footings to undermined walls and patch repairs as required.

