

**St Mark's Park / Powderhall**

- ST01 On the right bank, the existing riverside wall will be replaced with 60m of reinforced concrete floodwall varying in height from 2.0m to 1.1m adjacent to Lady Haig's Poppy Factory as typically detailed at section 1 and generally as shown on the plan marked ST/106/01. It will tie into the viaduct abutment and continue to the bend in Warriston Road opposite the entrance to Lady Haig's Poppy Factory.
- ST02 From the end of operation ST01, the proposed floodwall will be offset from the line of the existing wall towards the river channel in order to allow sufficient space to build a raised walkway. The reinforced concrete floodwall will be approximately 190m long and 1.1m above the level of the raised walkway as typically detailed at sections 2 and 3 and generally as shown on the plan marked ST/106/01. The existing roadside pavement will not change alignment or width. The proposed raised walkway would be 1.2m wide and approximately 175m long with 2 passing places and will be about 0.5m above the existing footpath level enabling the river to be seen over the floodwall. Railings will be constructed on the roadside of the raised walkway and access to the walkway will be via ramps. At the downstream end of the site, the new floodwall ties into high ground at St Mark's Bridge.
- ST03 Downstream of St Mark's Bridge, on the left bank, approximately 60m of reinforced concrete floodwall will be constructed around the garden boundary of 15 Warriston Road, tying into St Mark's Bridge at the upstream end, and into high ground at the downstream end. The floodwall will vary from 0.0m to 1.0m above the level of the garden of 15 Warriston Road as typically detailed at section 4 and generally as shown on the plan marked ST/106/02.
- ST04 Downstream of St Mark's Bridge, on the right bank, 100m of new reinforced concrete floodwall will be constructed varying in height from approximately 0.2 to 0.6m as typically detailed at section 4 and generally as shown on the plan marked ST/106/02. The floodwall will tie into the bridge abutment at the upstream end and into high ground at the downstream end.
- ST05 Approximately 85m downstream from the end of operation ST04, 80m of new reinforced concrete floodwall will be constructed. The proposed floodwall follows the bank top and ties into high ground at the upstream and downstream ends. The floodwall varies in height from approximately 1.2m at its centre to 0.0m where it ties into high ground as typically detailed at section 5 and generally as shown on the plan marked ST/106/02.
- ST06 A new pump station chamber will be built in Warriston Road with the approval of Scottish Water generally as shown on the plan marked ST/106/01.
- ST07 The floodwall crosses a large outfall with a penstock. The penstock operation will be incorporated into the design and operation of the flood defence scheme.