

Bonnington

- B01 Construct a new floodwall varying in height from 0.1m to 0.5m along the right bank of the Water of Leith from high ground adjacent to 25 Redbraes Place for a distance of 40m to adjacent to the downstream corner of 29 Redbraes Place as generally shown on the plan marked B/106/01.
- B02 From the end of operation B01, the existing boundary wall will be dismantled and replaced with 140m of a new reinforced concrete floodwall varying in height from 0.5m to 1.7m above existing ground levels as typically detailed at section 1 and generally as shown on the plan marked B/106/01. The existing railway bridge abutment adjacent to 28 Ladehead will be built into the new defence. Filter drains will be incorporated along the landward side of the wall and outfalls with flap valves will be provided on the riverward side of the floodwall where necessary.
- B03 From the end of operation B02, the existing boundary wall will be dismantled and replaced with 30m of a new reinforced concrete floodwall approximately 1.3m above existing ground levels as typically detailed at section 2 and generally as shown on the plan marked B/106/01. The existing railway bridge abutment between 43 and 44 Ladehead will be built into the new defences.
- B04 From the end of operation B03, 70m of the existing boundary will be dismantled and replaced with a new reinforced concrete floodwall approximately 1.2m above existing ground levels as generally as shown on the plan marked B/106/01. Adjacent to 19 Bleachfield, for approximately 10m, cantilever piles will be used to tie into the railway bridge abutments as typically detailed in section 3. Filter drains will be incorporated along the landward side of the wall and outfalls with flap valves will be provided on the riverward side of the floodwall where necessary. Flood defences are to incorporate the disused railway abutment adjacent to Nos. 24 – 28 Miln Acre.
- B05 From the end of operation B04, the upper section of the existing boundary wall will be dismantled for 35m and a new reinforced concrete floodwall will be constructed on the line of the existing boundary wall as generally shown on the plan marked B/106/02. The new defence level will be approximately 1.5m above existing ground levels. Filter drains will be incorporated along the landward side of the wall and outfalls with flap valves will be provided on the riverward side of the floodwall where necessary.
- B06 From the end of operation B05, the existing boundary wall will be dismantled and 145m of reinforced concrete floodwall will be constructed on the line of the existing boundary wall, tying into the Grade B listed Newhaven Bridge on its upstream side. The new defence level will vary from 0.7m to 1.8m above existing ground levels as typically detailed at sections 4, 5 and 6 and generally as shown on the plan marked B/106/02. Filter drains will be incorporated along the landward side of the wall and outfalls with flap valves will be provided on the riverward side of the floodwall where necessary. A flap valve will be fitted to the existing 450mm dia outfall pipe immediately upstream of Newhaven Bridge.
- B07 From the downstream side of Newhaven Bridge, construct 120m of reinforced concrete floodwall around the boundary of Bonnington Paper Mill, tying into the high ground at the downstream end, adjacent to the disused mill stream. The new defence level will vary from 1.4m above existing ground level at Newhaven Bridge to 0.0m at the tie in as typically detailed at sections 7, 8 and 9 and generally as shown on the plan marked B/106/02. Filter drains will be incorporated along the landward side of the wall and outfalls with flap valves will be provided on the riverward side of the floodwall where necessary.
- B08 Adjacent to the weir near 10 Ladehead, a ramped access will be provided with a locked gate (for City of Edinburgh Council personnel use). The existing large boundary wall will be utilised for one side of the ramp.