

Warriston

- W01 On the left bank of the Water of Leith from the downstream side of Tanfield House Bridge for a distance of approximately 30m remedial/strengthening works to the existing wall may be required as generally shown on the plan marked W/106/01. A flap valve will be fitted to the 450mm dia outfall discharging into the Water of Leith through this length of wall.
- W02 Construct a new floodwall on the left bank of the Water of Leith tying in to the existing wall stated in operation W01, and continuing along the landward side of the existing wall for a distance of approximately 30m to tie into the back of Nos. 1-2 Howard Street. The existing wall will not be removed and the new floodwall will be approximately 1.7m high. The alignment of the wall is as generally shown on the plan marked W/106/01 or thereby as typically detailed at section 1.
- W03 Flood protection to this building will be provided in the form of steel shutters over the 3 window openings. The middle window will be modified to the same sill levels as the other 2 smaller windows. Remedial works to the building floor slab maybe required to prevent seepage. A walkway with ladder access from Cannonmills Bridge and an opening in the Cannonmills Bridge parapet will be constructed to allow access for the Council to close the shutters in the event of a flood.
- W04 Downstream of Cannonmills Bridge, on the left bank, replace the existing boundary wall with a new reinforced concrete floodwall tying into Cannonmills Bridge at the upstream end and continuing for 270m along the line of the existing boundary wall to the rear of 33 Warriston Crescent. The new floodwall will form the boundary of the properties along Warriston Crescent and is approximately 1.8m above ground level or thereby as typically detailed at sections 2 to 6 and as generally shown on the plan marked W/106/01.
- W05 From the end of operation W04, construct a new floodwall generally 2.0m high for a distance of 40m tying into the upstream side of the viaduct abutment or thereby as typically detailed at sections 7 and 8 and as generally shown on the plan marked W/106/01.
- W06 Downstream of Cannonmills Bridge, on the right bank, defences to the basement of 3 to 6 Cannonmills Bridge comprise strengthening of the building façade and replacement of the standard windows with toughened glass windows.
- W07 From the end of operation W06, replace the existing brick boundary wall with a new reinforced concrete floodwall generally 1.2m above the level of the car park, tying into the side of 3 to 6 Cannonmills Bridge and continuing for a distance of approximately 30m along the riverward side of the shop car park as generally shown on the plan marked W/106/01. A flap valve will be fitted to the screened combined sewer overflow discharging through this section of wall opposite No. 1 Warriston Road.
- W08 From the end of operation W07, dismantle the existing riverside wall and construct a new reinforced concrete floodwall varying in height from 1.5 to 2.1m above footpath level for a distance of 95m along the line of the existing wall to adjacent to 1 Boat Green or thereby as typically detailed at sections 2, 3 and 4 and as generally shown on the plan marked W/106/01. Opposite 1 Boat Green, the new floodwall will tie into a new floodgate across Warriston Road. During times of flood risk the gates will be closed and the road closed to traffic. A pump station will be constructed with the approval of Scottish Water for the existing 300mm diameter clay outfall pipe on the landward side of the flood defence, opposite 1 Boat Green.
- W09 From the end of operation W08, remedial works will be carried out to the existing river wall for a distance of approximately 145m. In the event of a flood event greater than approximately a 1 in 30 year return period, the floodgate will be closed and the 145m length of existing wall will