

Our Ref: 068065 Hammerstone

28th January 2022

Southern Boundary Wall Repair Design Statement

Dear Phil,

Curtins undertook an initial appraisal of the wall as part of the wider appraisal of the site in September 2020. The findings are recorded on the top half of drawing ref: DR-S-27-0002. These found that the wall was leaning and unstable in places, with loose masonry and vegetation at the wallhead. The height of the wall varies across its length from about 2.5m in the centre portion to around 4m at the eastern end. In places the wall was retaining the car park, which likely contributes to the lean.

An options appraisal was undertaken to establish what the optimum structural repair options might be and these are detailed on drawing ref: DR-S-27-0003.

From further discussions with the project stakeholders after the discovery of a culvert potentially running beneath the wall, the selected option was to reduce the existing wall to a height of 2m along its length. This eliminated the need for new foundations which might disturb the culvert and would remove the loose masonry and vegetation which are causing a public safety hazard.

Simply reducing the height of the free-standing existing wall and undertaking some much-needed repointing and fabric repair, takes it back to a stable profile. This retains the historic fabric, without the requirement for further buttressing or strengthening as stated on the permanent repairs drawing DR-S-27-0002.

The new levels of the site would also eliminate the retaining wall element as the ground will be reduced to be level with the pavement on the street side. This should reduce the risk of the wall continuing to lean in the future.

To maintain the security of the site with a reduced wall height, a Paladin Fencing can be bolted to the back of the wall as shown on the permanent repairs drawing, DR-S-27-0002.

For your reference, drawings DR-S-27-0002 and DR-S-27-0003 are included as appendices in HRD-CUR-00-XX-RP-S- 0001 rev.P02 Issue date 23 November 2021.

Yours faithfully



Andy Roberts
Director
For and on behalf of
Curtins Consulting Ltd