

GARDEN WALLS TO THE EAST OF CEDARS HOUSE, VINE LANE, HILLINGDON

Details in connection with conditions to LBC 76049/APP/2020/3900

Condition 5 Photographs

A photographic record continues to be made. A low resolution updated interim version has been attached to this submission.

Condition 6 Foundations.

Following dismantling of the brick skin of the gate pier, trial pits confirmed that:

The historic wall is founded at 5 courses below ground level, without the use of brick spreaders.

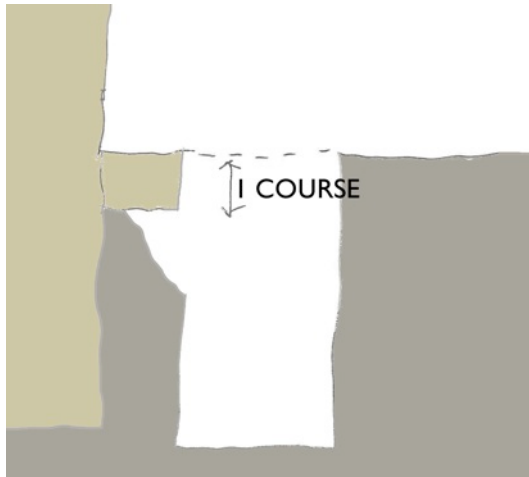
The original foundation continues below the gate opening, confirming that the gateway is a later alteration.

The brick pier was formed by a half brick thick skin wrapped around the roughly cut edge of the historic brickwork. The northern part stands on the original foundation. The eastern face was founded one brick below ground level. The eastern face is likely to be similarly inadequately founded but the lowest course is currently trapped by the 300mm thick concrete slab which abuts on that side. This appears to have been constructed as part of highways works. This will have to be cut away to avoid exposing the historic wall to excessive vibration and so has not yet been exposed.

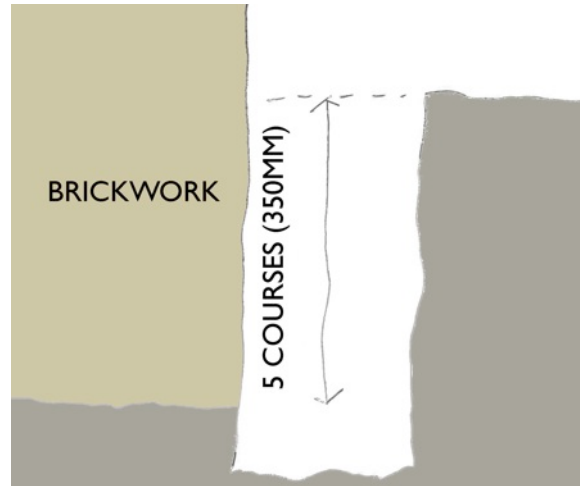


Base of the pier viewed from the NE. The original foundation to the historic wall can be seen at the base of the photo and the thick concrete slab to the left.

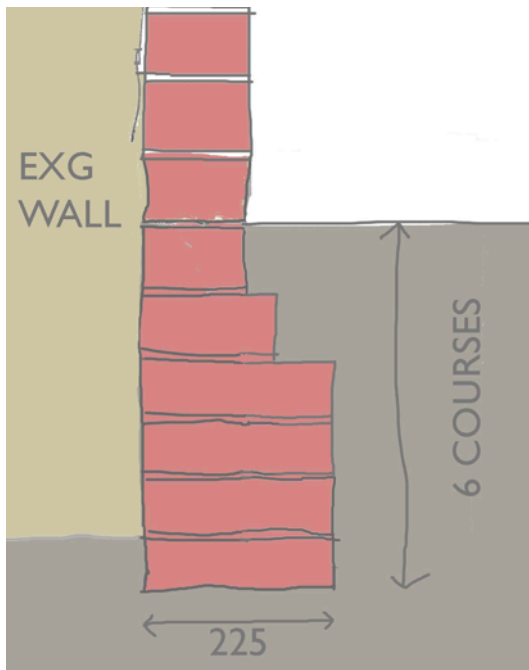
Trial hole on the west side of the wall.



Section through trial hole on the west side of the pier.



Section through trial hole against the historic wall



Proposed foundation below the east and west faces of the pier. Brickwork built of the base of the trial pit, one brick thick at the base stepping back to half brick thickness below ground level. The north face will sit on the existing foundation.

Conditions 7 & 9 Mortar and Bricks

A trial panel for bricks and mortar and pointing has been constructed and is available for inspection adjacent to the gate pier.



Sound existing bricks have been salvaged and will be reused, although they are of mixed appearance; some appear to have been salvaged from the original wall when the gateway was formed but there have clearly been repairs using different bricks. About 200 new bricks will be required. The proposed brick is the Imperial Brick Country Blend

<https://www.imperialhandmadebricks.co.uk/products/country-blend/>

laid in a 1:3 hot lime mortar with coarse aggregate. The sample panel trialed 4 different mortars. Top left is NHL 3 mortar with coarse aggregate. The other three are all hot lime mixes with fine aggregate at top right, medium aggregate at bottom left and coarse aggregate at bottom right.

Condition 8 Pointing

The pointing to new work will be as the sample panel. Pointing to the existing adjoining wall appears sound and will not be disturbed.

Condition 10 Wall ties

The ties are to be 6mm Helifix stainless steel ties inserted through holes drilled in the bed joints of the wall and built into the rebuilt brickwork. 2 vertical rows with ties every second course staggered. Approximate positions have been marked on updated drawing 661/02A.

Jon Bolter
REES BOLTER ARCHITECTS
7 April 2021