**Pullens Estate Chimneys**

Each block has three sets of chimneys:

* Central row of chimneys on each party wall (central) or end wall for the main front part of the building.
* T- shaped chimney serving the narrowed section at the back of each block.
* small chimney of 4 pots above the very back wall serving the mews building.

The structural engineers have carried visual structural examinations and commented on the condition of each of the stacks

Some chimneys are leaning to a noticeable degree which is often caused by damp penetrating through the brickwork and causing a reaction with the soot embedded in the flue and expanding.

Some shows signs of vertical and diagonal cracking as a result of stresses caused by a combination of the reaction and expansion of mortar joints due to the chemicals in the soot on the inside of the flues along with many years of exposure to the elements.

The recommendations varied from rebuilding the chimneys to wrap with helifix bars or monitor the chimneys for a period of time..

Following a review of the recommendations, with the project team, and in order to keep the costs to a minimum the following works have been agreed:

**Iliffe Street.**

* 1-8 T Stack 4 Bar wrap.
* 25-32 T Stack Crack stitch and 3 bar wrap
* 49-56 T Stack 2 bar wrap and two bar crack stitch
* 65-72 T stack 4 bar wrap
* 73-80 T Stack 4 bar wrap
* 81-88 T stack 4 bar wrap
* 89-96 T stack 4 bar wrap.
* Central chimneys are not to be wrapped but crack stitched as and where required directed by the CA/COW

**Crampton Street.**

* All central stacks to have concrete buttress removed from lightwell boundary walls. Central stacks to be 4 bar wrapped
* 136-150 T stack 4 bar wrap
* 120-134 T stack 4 bar wrap
* 88-102 T stack 4 bar wrap.

**Penton Place.**

* Wall end chimneys three in number are to be demolished back to a replicated height as in previous reductions to make safe. To replicate those reduced wall end chimneys across the estate. They are not to be rebuilt.
* Affected chimneys
	+ 1-8 Wall end
	+ 17-24 Wall end
	+ 25-32 Wall end.

 **Amelia Street**

* Rear chimney to blocks68-82 & 84-98 Demolish chimneys to replicate reduced chimneys across the estate.
* 84-98 remove hook 4 bar wrap
* 68-85 T stack 4 bar wrap
* 84-98 T stack 4 bar wrap
* 116-130 T stack 4 wrap
* 164-178 T stack 4 bar wrap
* 180-194 T stack 4 bar wrap
* Central chimneys: Concrete buttresses removed where installed and 4 bar wrap installed as directed by COW/CA.

A number of pots have been identified for replacement as they are severely damaged could fall causing a safety risk.

 A revised programme for the works is attached which also includes the new dates for the striking of the scaffold.