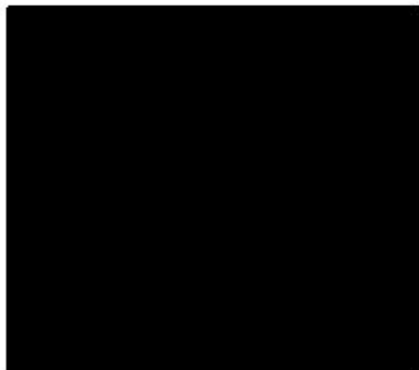




29th April 2015



De Silva Structures Limited
The Brighton Forum
95 Ditchling Road
Brighton BN1 4ST
Tel: 01273 573802
Fax: 01273 689021
mail@desilvastructures.co.uk
www.desilvastructures.co.uk

23 Tower Street, Emsworth

I confirm visiting the above property on Monday 9th February 2015 to carry out a preliminary structural inspection to report on the bowing noted to the chimney at low level. This report has been prepared in accordance with the Consulting Engineers Conditions of Appointment Agreement No.1 a copy of which is attached. I comment as follows;

- 1.0 The property is a two storey detached house thought to have been constructed over 250 years ago. A single storey addition was present on the east side of the property. For the purposes of this report the front elevation shall be taken as facing south.
- 2.0 An inspection of the bowing to the west elevation of the property adjacent to the chimney stack was undertaken and the following noted:
 - 2.1 The west flank wall of the property was significantly bowed at low level in the area of the main chimney stack. The maximum extent of this bow appeared to be at the junction of the lower flint section and the brick section above. Evidence of external cracking was noted but it was not possible to confirm its age. It was noted the foul drains ran parallel to the west wall and these appeared to have been repaired or replaced.
 - 2.2 In conclusion the cause of the bowing to the west wall at low level is unclear. Possible causes include foundation movement due to poor ground conditions with defective drains being a contributory factor, or the wall bulging due to the weakened core in the flint wall moving out. From a single inspection it is not possible to confirm if ongoing movement is occurring. The wall should be monitored and further action undertaken if movement is noted. As a precautionary measure it is recommended the drains are tested.

I trust this report is satisfactory for your purposes, however should you have any queries please do not hesitate to contact me.

Yours sincerely



Nigel de Silva
BSc (Hons) C.Eng. M.I.Struct.E