

16.01.24

**Details of the Chartered Engineer**

**Property Address: 30 Ferncroft Avenue, NW3**

**Planning Ref: 2021/3734/P**

**Discharge of Condition No. 7**

**Contact:**

Ramon Jose, BSc(Hons) ACGI CEng MIStructE

Florin Dragjoshi (Site Engineer with Civil Engineering degree).

Florin will act as the surveyor on site, while Ramon will deal with the interpretation and approval process.

The below is the proposed monitoring methodology...

*To monitor as a minimum the following before construction, during construction, and after construction. 78 targets total, but it is anticipated that at least half would have been destroyed or not within visibility during construction:*

1. *There are two party walls. 4 targets each to the eastern and southern neighbouring properties. Monitor at mid and high level and base and top of the garden retaining wall.*
2. *Within the property itself:*
  - (a) *20 internal targets.*
  - (b) *10 targets at each elevation on average = 40 total.*
  - (c) *10 targets at basement level when basement is excavated.*

*Targets would be yellow retro targets. It is possible that some areas may require one or two aluminium angle targets (e.g. above walls for example).*

*Accuracy to be as close as  $\pm 0.3\text{mm}$ .*

*Monitor weekly and produce a differences sheet for the eastings, northings, and levels for each of the targets. Produce a deflection graph for each elevation.*

**Trigger values:**

1. *Vertical and lateral movement of party walls (including garden walls), facades, and internal walls:*
  - (a) *Amber =  $\pm 4\text{mm}$*
  - (b) *Red =  $\pm 6\text{mm}$*
2. *Vertical and lateral movement of concrete basement walls:*
  - (a) *Amber =  $\pm 5\text{mm}$*
  - (b) *Red =  $\pm 7\text{mm}$*

**Ramon Jose** BSc(Hons) ACGI CEng MIStructE

Head of Engineering

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