Proposed dust sampling locations during demolition/building works 5-17 Haverstock Hill, Chalk Farm

The purpose of the monitoring is to assess dust leaving site during the demolition works and subsequent building works.

The current locations of the 3 dust datalogging monitors are shown in Figure 1. These locations were used to collect background pre-project data. The locations were chosen for reasons of security of the equipment and access to a power supply and to be close as practicable to the perimeter of the site.

For continuity the sampling positions during demolition / building works should mirror the positions used to collect background data as much as is feasible.

Figure 1: Current location of dust monitors

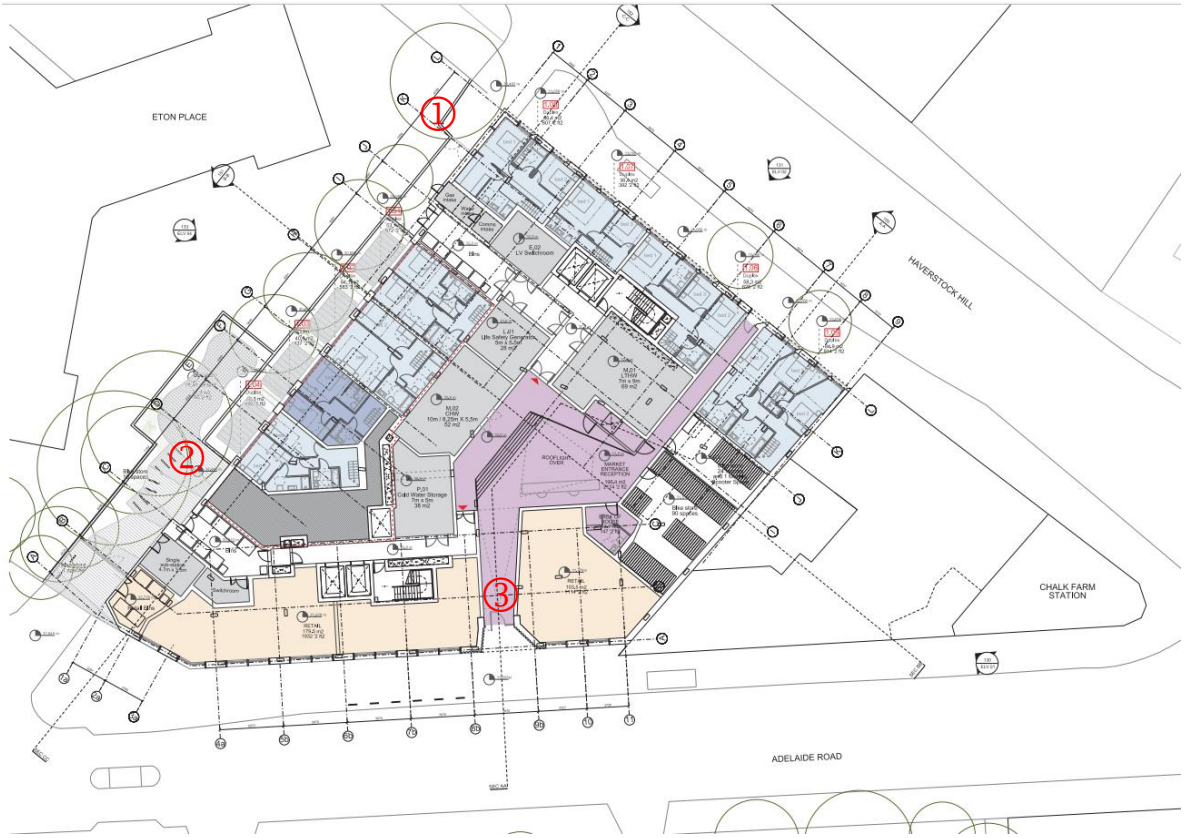
The first phase of the demolition is the carlift which is located in the access road between the main building and Eton Place. This access road is effectively a corridor between the two structures therefore during the first phase of the demolition of the carlift the particulate generated will be concentrated in this 'corridor'.

For reasons of continuity (comparing dust levels during the first phase of the demolition and pre-works background levels) and for safe access to power (avoiding trailing power cables in areas where plant machinery are moving), the sample locations ①and ②should remain where they are. Since even though they are on the first floor they are in a good position to monitor dust levels in the constrained area of the 'corridor'.

Once this first phase is complete, we propose moving the monitors to the locations in Figure 2 prior to demolition of the main building. Location ① has moved from the structure that will be demolished slightly towards the perimeter of the site to an area that will not be built upon. Likewise, location ② has moved slightly from its current location. The aim is that these will be powered from a site welfare unit situated along back of the site close to the current location of the car-lift, with power cables running along the perimeter of the site away from plant machinery.

Location ③, is currently on the structure to be demolished. Placing a monitor on this side of the site will always be a compromise as the current structure and the proposed building abuts right up to the Chalk Farm Underground station, leaving no clear position to leave a monitor undisturbed during the demolition phase. However, during the construction phase there is an open atrium and access to the street where the sample point could be positioned during construction.

Figure 2: Proposed locations of dust monitors during demolition/construction



The monitor can remain in its current location on the roof during the first phase of demolition of the car lift.

However, if a monitoring location is required at this corner of the site during the demolition of the main structure and the subsequent building works, the position of the monitor would have to move with the works. This location will be a compromise, as there is no fixed position on this side of the site where the monitor can remain during the entirety of the works.

The proposed sample locations for particulate sampling are shown on the above plan, with the following caveats: -

- That there is mains power to the sample location
- That the location is secure.
- That power supply cables do not incommode works.
- The location could change during works, reflecting the progress of demolition works

Note that in each case, the location will be chosen to best assess particulate produced on site leaving the site. As far as is practicable there should be a clear air current from the source to the receptor of the particulate.

In each case the exact location of the particulate monitor will be shown in each report. If the monitor has been moved there will be an explanation given.