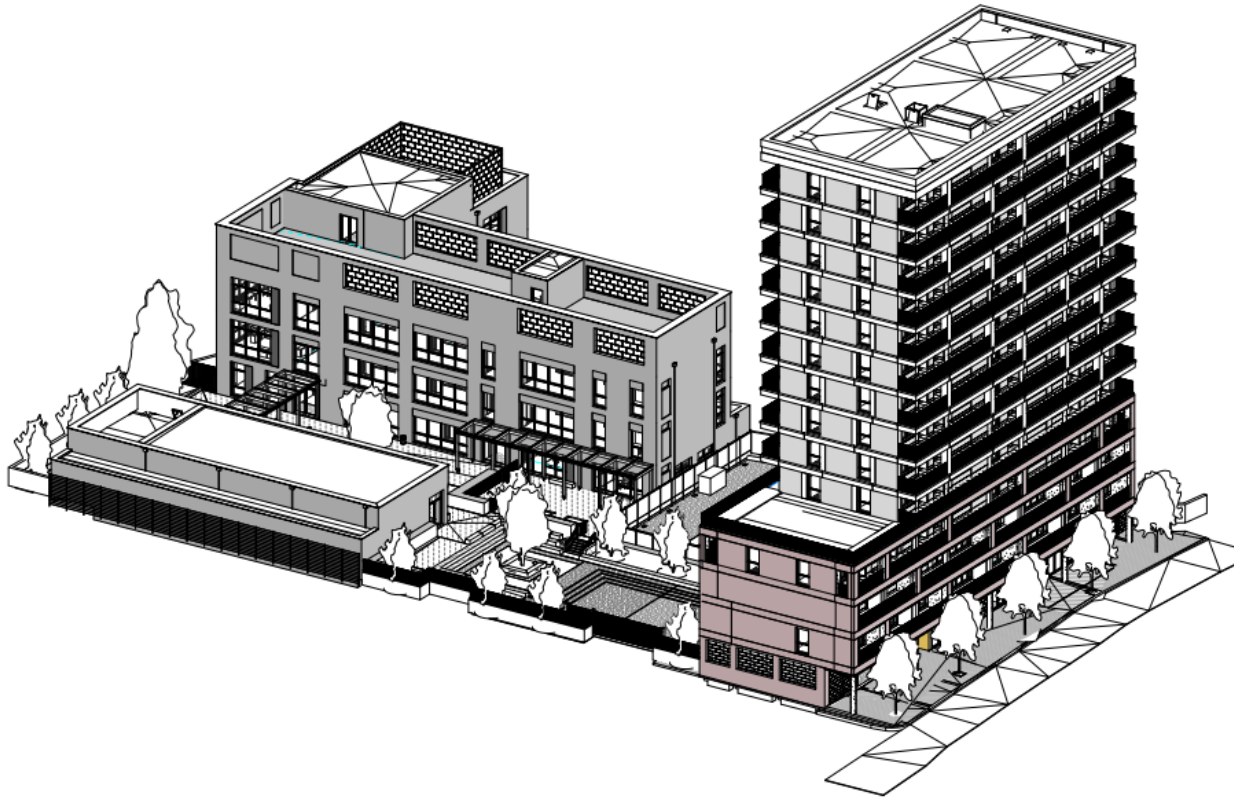




COLPAI Project



Site Progress and Upcoming Works

October Works

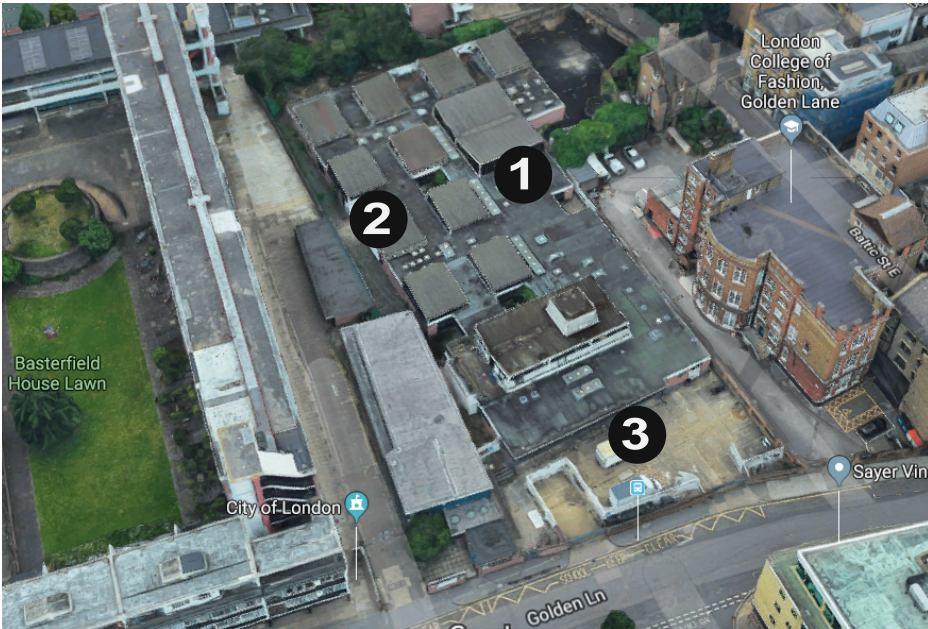
- Piling works to take place for the school hall area
- Reduce level dig works to the new residential area
- Pile probing works to take place in the residential area.

November Works

- A reduce level dig for the residential footprint
- Piling works to start for the new residential area.



Piling Timeline



2. Piling in the School Hall Area

Early November to Mid December

October

November

December

1. Piling in School Area

End of October to Mid December

3. Piling in the Residential Area

Mid November to Early December

Obstruction Removal Update

- As you will be aware, we have encountered obstructions in the ground
- All ground obstructions have been removed from the south section of the new residential area footprint (towards Golden Lane)
- The north section reduce level dig will start in the middle of November and we expect to encounter further obstructions in the ground
- When excavation works begin for the drainage within the landscape areas, further obstructions may be present.



Obstructions encountered in the ground

Noise Monitoring Methodology

- We measure noise via an index that takes into account both noise level and the number and duration of noisy events
- Sounds that vary in level are measured in 'equivalent continuous sound level'. This measurement is used internationally.

This is LeqT or LAeqT
T= time period

- Construction noise is measured using the LAeq index
- Most community and industrial noise measurements are A-weighted and the LAeq is more commonly used
- LAeq is the A-weighted equivalent continuous sound level in decibels measured over a stated period of time, which is 10 hours in this instance. However, LAeq is not an average of sound levels.
- The general BS 5228: 2014 Code of Practice for noise and vibration control on construction and open sites advises monitoring noise over a 12 hour period. However, as City of London restricts construction activities to a 10 hour period, Monday to Friday, and a 5 hour period, on Saturday, noise levels are only monitored during these times.

Noise Monitoring Methodology

- The COLPAI Project trigger level for noise is 73.0 dB
- For example, for a 10 hour period, eight events of equal duration measuring 60 dB together with two events of 78 dB gives an Ordinary Arithmetic average of 63.6 dB – but the LAeq value is 71.3 dB
- The only time a breach occurs is if the 10 hour level is exceeded
- This is real time information is sent to the environmental teams at both London Borough of Islington and City of London.

Management Trigger Level Exceeded

Golden Lane, London

Exceedance at Golden Lane, Fashion School [INM]

Time of exceedance: 09:00-10:00 23-Oct-19

Trigger parameter: L_eq

Measured level: 73.2 dB

Trigger level: 73.0 dB

Time base: 1 hr

NOTE: This is a look ahead trigger. The final level for the period will likely be higher.


24 Acoustics Ltd



Example calculations

Example calculations

ISG
COLPAI



24Acoustics

Weekday	08:00	09:00	Level
1	08:00	09:00	78
2	09:00	10:00	78
3	10:00	11:00	60
4	11:00	12:00	60
5	12:00	13:00	60
6	13:00	14:00	60
7	14:00	15:00	60
8	15:00	16:00	60
9	16:00	17:00	60
10	17:00	18:00	60

10 hour level

71.3 dB LAeq

Update on Planning Conditions

Questions and Answers

Q. What works are permitted during Reduced Impact Hours?

Q. What are the agreed trigger levels for the site? How are these averaged?

Q. What machinery is categorised as 'percussive'?

Q. Why does the site measuring equipment pick-up different readings to the readings from residents?

Questions and Answers
