

## **Air Quality and Dust Monitoring Monthly Report – May 2019**

**City of Westminster**



**SKANSKA**



## Department for Transport

High Speed Two (HS2) Limited has been tasked by the Department for Transport (DfT) with managing the delivery of a new national high speed rail network. It is a non-departmental public body wholly owned by the DfT.

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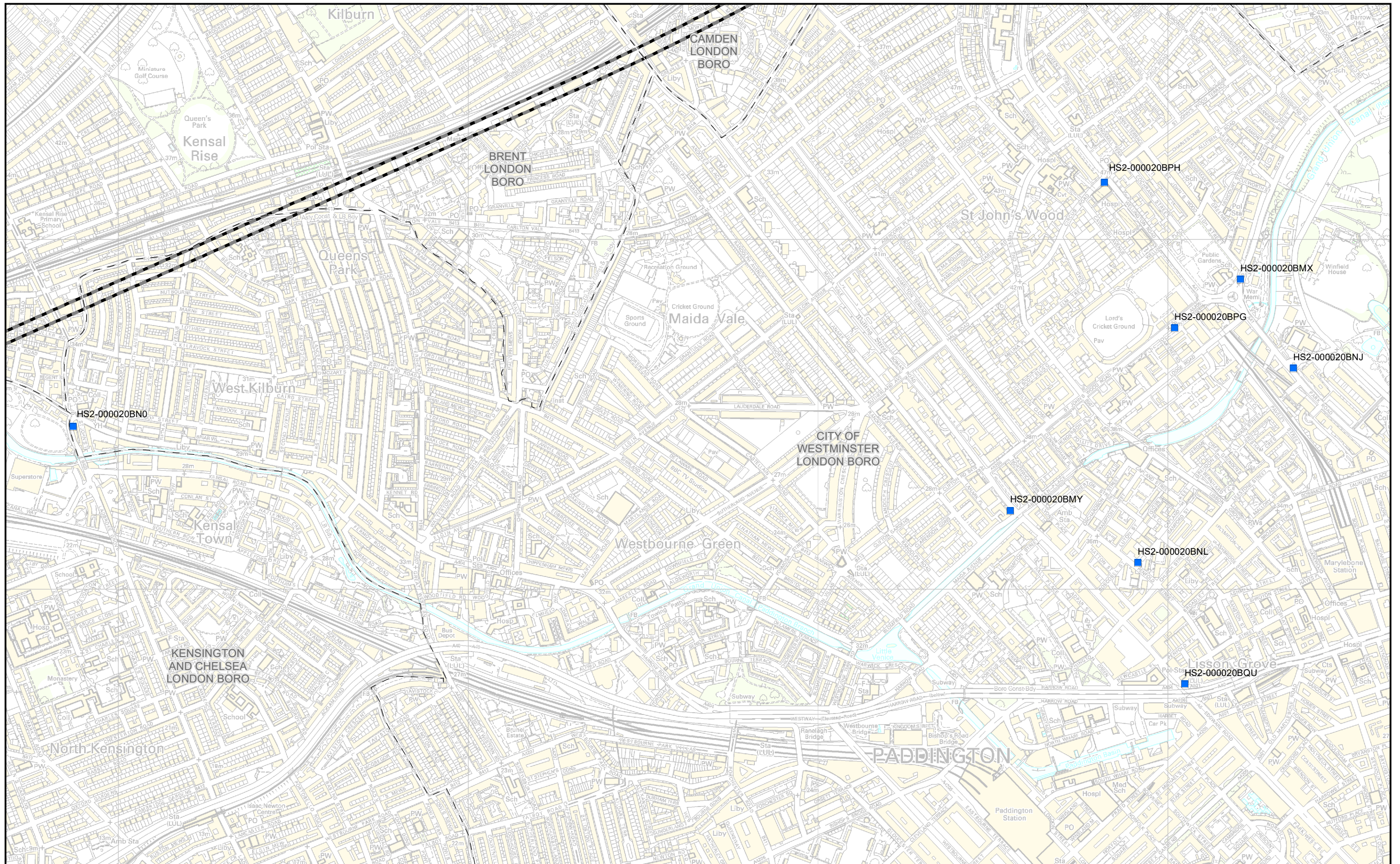
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# Monthly Summary

- 1.1.1 This Summary Report is published in fulfilment of commitments detailed in the High Speed Rail (London-West Midlands) Environmental Minimum Requirements, Annex 1: Code of Construction Practice, for the nominated undertaker to present the results of air quality monitoring undertaken in the City of Westminster (CoW) during April 2019.
- 1.1.2 Figure 1 and Figure 2 in Appendix A indicate the current air quality monitoring locations.
- 1.1.3 This summary should be read in conjunction with the overview monitoring report available from [www.gov.uk/government/collections/monitoring-the-environmental-effects-of-hs2](http://www.gov.uk/government/collections/monitoring-the-environmental-effects-of-hs2), which highlights the applicable standards and guidance, as well as the air quality and dust monitoring methodologies to be implemented by nominated undertakers throughout construction.
- 1.1.4 There are no current worksites located within the CoW. Therefore, no dust monitoring has been carried out.
- 1.1.5 Diffusion tube monitoring of Nitrogen Dioxide (NO<sub>2</sub>) was undertaken at thirteen (13) locations in April 2019, around highways within the CoW as part of the management of air quality where significant effects may occur as a result of the scheme.
- 1.1.6 Diffusion tube monitoring results are provided from the laboratory analysis, and therefore still require various analysis and adjustments to be undertaken. Final corrected results will be presented and described in the annual report. However, based on the results to date, no unexpected values were recorded during the monitoring period.
- 1.1.7 NO<sub>2</sub> monitoring locations and results are presented in Appendix B, Table 1, together with the 2019 running mean.
- 1.1.8 There were no complaints received, relating to air quality, during this monitoring period.


# Appendix A – Monitoring Locations


Figure 1 and 2: Current monitoring locations within the COW




- Legend**
-  Route in tunnel
  -  Route on surface
  -  Diffusion tube monitoring location

|               |  |
|---------------|--|
| Figure Number |  |
| Figure Name   | <b>Worksites and Monitoring locations in COW (sheet 1)</b> |
|               | City of Westminster  |


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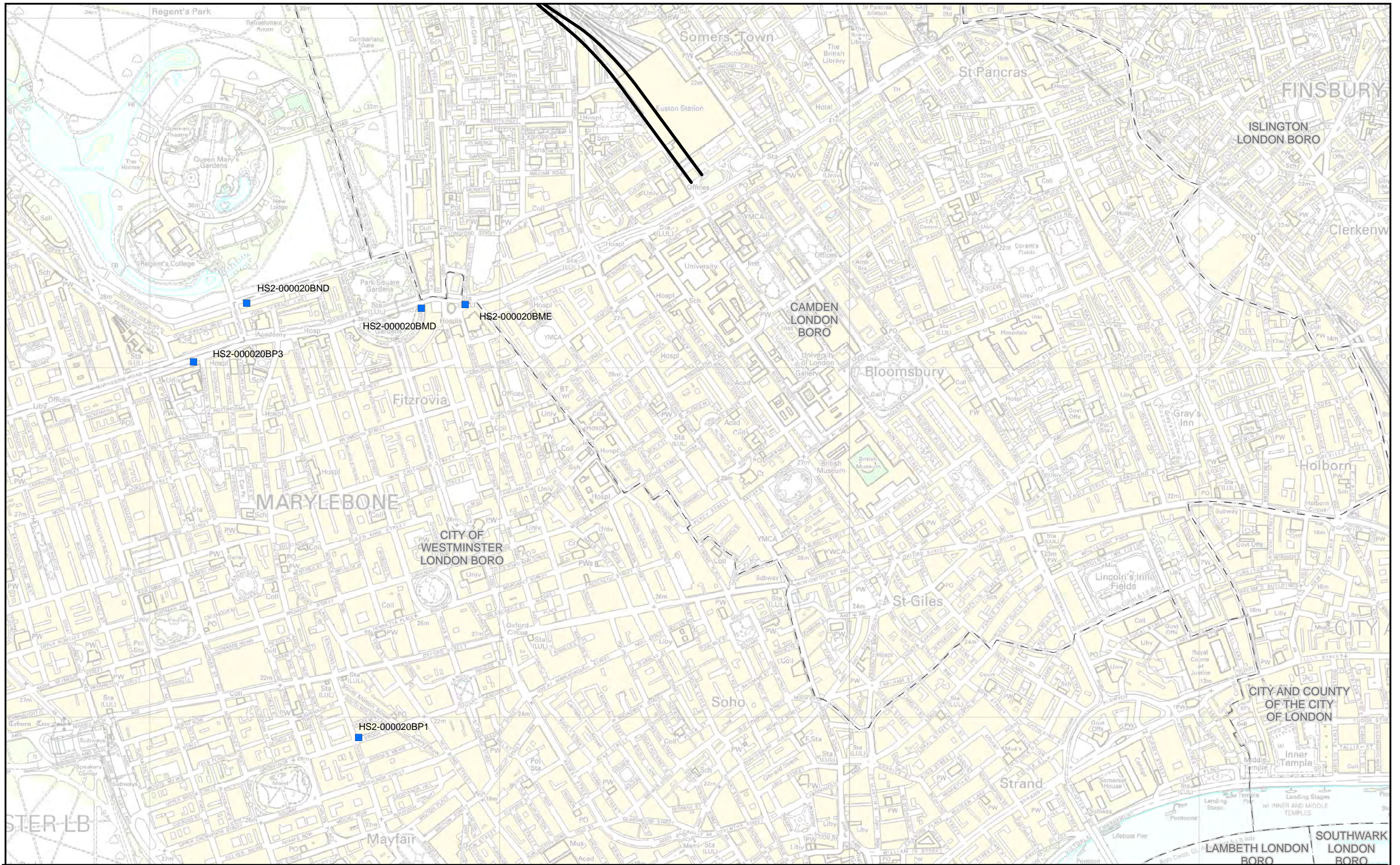


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- Legend**
- Route in tunnel
  - Route on surface
  - Diffusion tube monitoring location

Figure Number

Figure Name  
**Worksites and Monitoring locations in COW (sheet 2)**

City of Westminster

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## Appendix B – Air Quality Monitoring Results

Table 1: NO<sub>2</sub> monitoring locations around highways, NO<sub>2</sub> concentrations and monthly monitoring results with running mean for 2019 (µg/m<sup>3</sup>)

| Monitoring Site ID | Location description                              | Coordinate s (X, Y) | Jan     | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Mean <sup>1</sup> |
|--------------------|---|---------------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------|
| HS2-000020BMD      | Lamp post on Park Crescent Road                   | 528776, 182170      | 61      | 69  | 70  | 78  |     |     |     |     |     |     |     |     | 69                |
| HS2-000020BME      | Lamp post in between A501 and A4201               | 528901, 182180      | No data | 101 | 90  | 89  |     |     |     |     |     |     |     |     | 93                |
| HS2-000020BMX      | Sign post by roundabout on A5205                  | 527206, 182887      | 49      | 56  | 52  | 46  |     |     |     |     |     |     |     |     | 51                |
| HS2-000020BMY      | Lamp post between Blomfield Road and Edgware Road | 526549, 182226      | 64      | 63  | 60  | 49  |     |     |     |     |     |     |     |     | 59                |
| HS2-000020BN0      | Lamp post on Ladbroke Grove                       | 523869, 182465      | 50      | 57  | 49  | 60  |     |     |     |     |     |     |     |     | 54                |
| HS2-000020BND      | Outer Circle Regent's Park                        | 528276, 182185      | 43      | 48  | 38  | 26  |     |     |     |     |     |     |     |     | 39                |
| HS2-000020BNJ      | Light post on Park Road                           | 527359, 182633      | 64      | 66  | 52  | 48  |     |     |     |     |     |     |     |     | 57                |

<sup>1</sup> Note: to aid interpretation and conform with best practice, the monthly measurements in this table are reported rounded to the nearest whole number. The annual mean presented here is calculated based on laboratory data to 4 significant figures, rounded to a whole number, and therefore may differ slightly to a mean derived from averaging the rounded monthly measurements in the table.

| Monitoring Site ID | Location description   | Coordinates (X, Y) | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Mean <sup>1</sup> |
|--------------------|--|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------|
| HS2-000020BNL      | Lamp post on Penfold Street  | 526914, 182077     | 43  | 50  | 40  | 36  |     |     |     |     |     |     |     |     | 42                |
| HS2-000020BP1      | Lamp post on Brook Street  | 528597, 180942     | 67  | 62  | 58  | 54  |     |     |     |     |     |     |     |     | 60                |
| HS2-000020BPG      | Lamp post on St John's Wood Street   | 527019, 182748     | 50  | 57  | 42  | 43  |     |     |     |     |     |     |     |     | 48                |
| HS2-000020BPH      | Lamp post St John's Wood Terrace   | 526818, 183164     | 52  | 58  | 44  | 38  |     |     |     |     |     |     |     |     | 48                |
| HS2-000020BQU      | Lamp post outside Edgware Road Station   | 527048, 181731     | 82  | 73  | 76  | 74  |     |     |     |     |     |     |     |     | 76                |
| HS2-000020BP3      | Triplicate site next to the Marylebone Road kerbside automatic monitoring stations | 528125, 182016     | 73  | 79  | 73  | 62  |     |     |     |     |     |     |     |     | 72                |