# 6 Appendix
## 6.1 Stage 1 Sustainability Review

**Imperial LMS**
Initial Sustainability Review
21.09.17

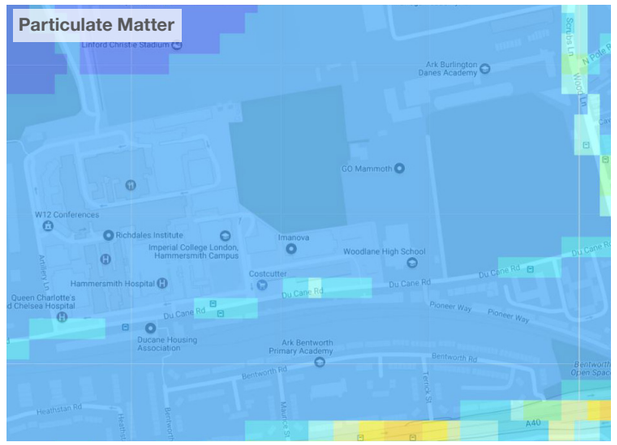
Hawkins\
Brown

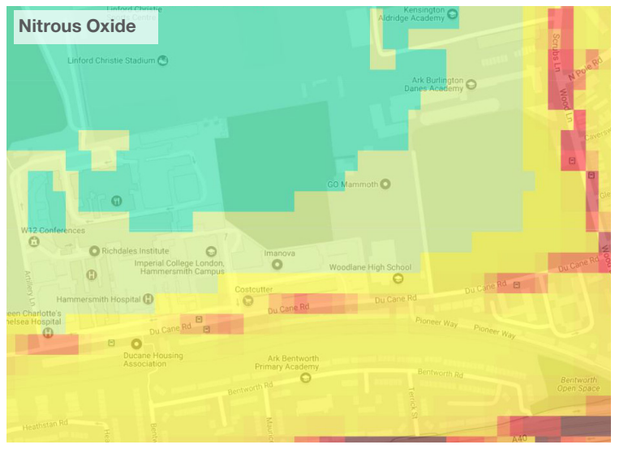
## Contents

# 6 Appendix
## 6.1 Stage 1 Sustainability Review

### 1 Context analysis
### 1.1 Air quality assessment

**Pollutant levels**
The data displayed here is modelled by DEFRA for two key pollutants, PM10 which is particulate matter composed of materials, and Nitrous Oxide, which is associated with diesel engines.



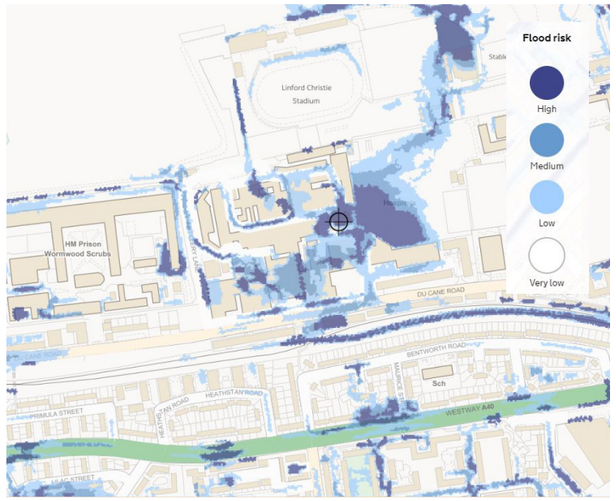






### 1 Context analysis
### 1.2 Flood risk

**Flood Zone**
The development is in Flood zone 1. Land and property in flood zone 1 have a low probability of flooding. Design teams need to carry out a flood risk assessment if the development is in flood zone 1 and:
- more than 1 hectare
- in an area with critical drainage problems as notified by the Environment Agency

You also need to do a flood risk assessment if your development could be subject to other sources of flooding (eg surface water drains) or if the development is now classed as 'more vulnerable' following a change of use.
It is likely that a flood risk asessment will need to be carried out for this site.




**Reservoirs and Rivers**
There is no risk of flooding from rivers or reservoirs close to the project site.

**Surface Water**
From the 2 surface water maps one can see how the centre of the site is vulnerable to pooling of flood waters, and one can also see the likely speed and direction of water.
SuDs measures should be positioned at these points to slow and divert the flow of water.