



Seven Sisters Road Scheme

19 July 2018



Masterplan



Project objectives

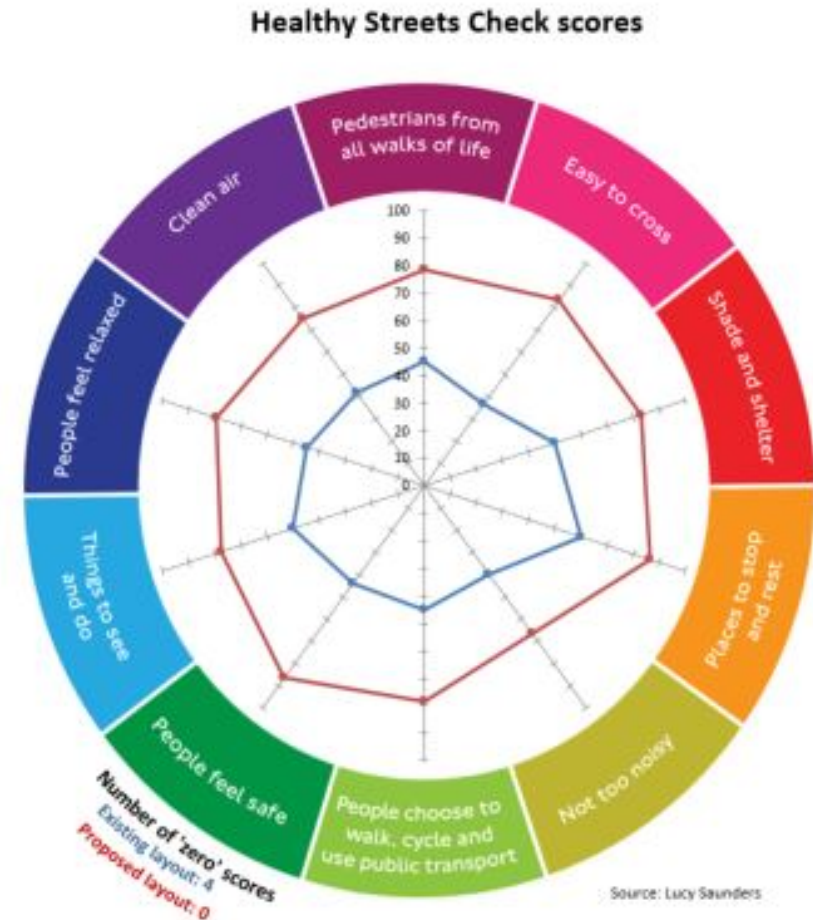
- › Improve safety for vulnerable road users
- › Maintain the roads function of moving people and goods in this part of London
- › Reduce severance, improve connection between north and south of Woodberry Down
- › Enhance access to public transport services
- › Create a better sense of place and an improved more welcoming environment
- › Support regeneration aspirations for the area (delivery of 5,500 homes as part of Masterplan)

As agreed by project steering group: Berkeley Homes, LB Hackney, Transport for London



TfL's Healthy Streets indicators

- › People choose to walk, cycle and use public transport
- › Pedestrians from all walks of life
- › Easy to cross
- › People feel safe
- › Things to see and do
- › Places to stop and rest
- › People feel relaxed
- › Not too noisy
- › Clean air
- › Shade and shelter

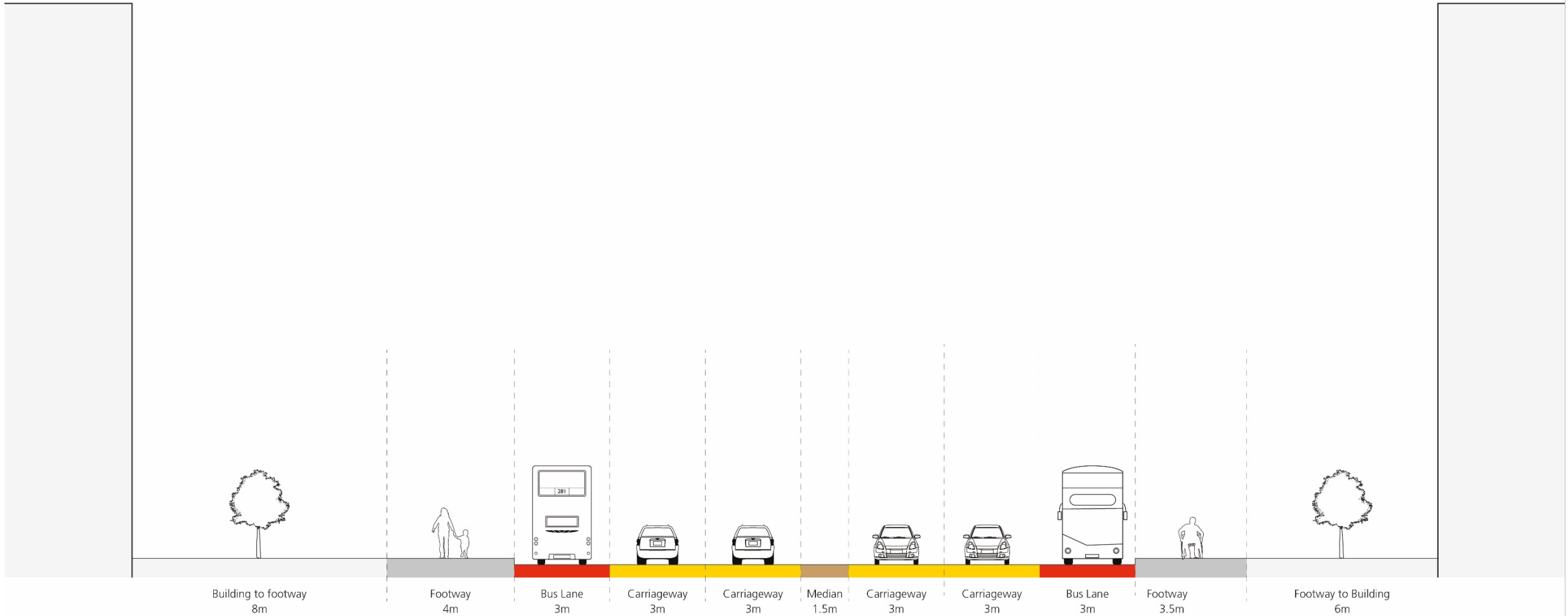


Context and work to date

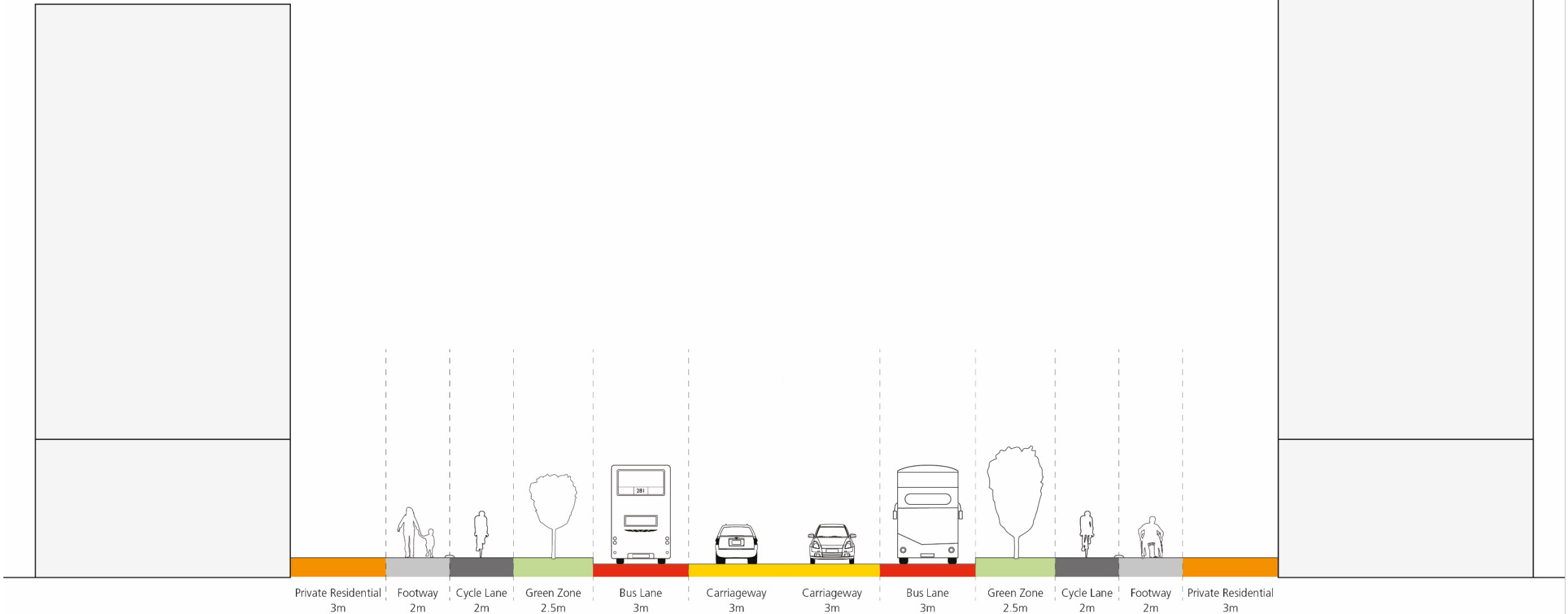
- › Design options proposed and assessed against project objectives
- › Presented at public and stakeholder consultation, to steering group (Berkeley Homes, Transport for London, LB Hackney)
- › Selected design: two lanes general traffic, segregated cycling, with formal pedestrian crossings
- › Traffic Modelling
- › Air Quality Modelling
- › Road Safety Audit



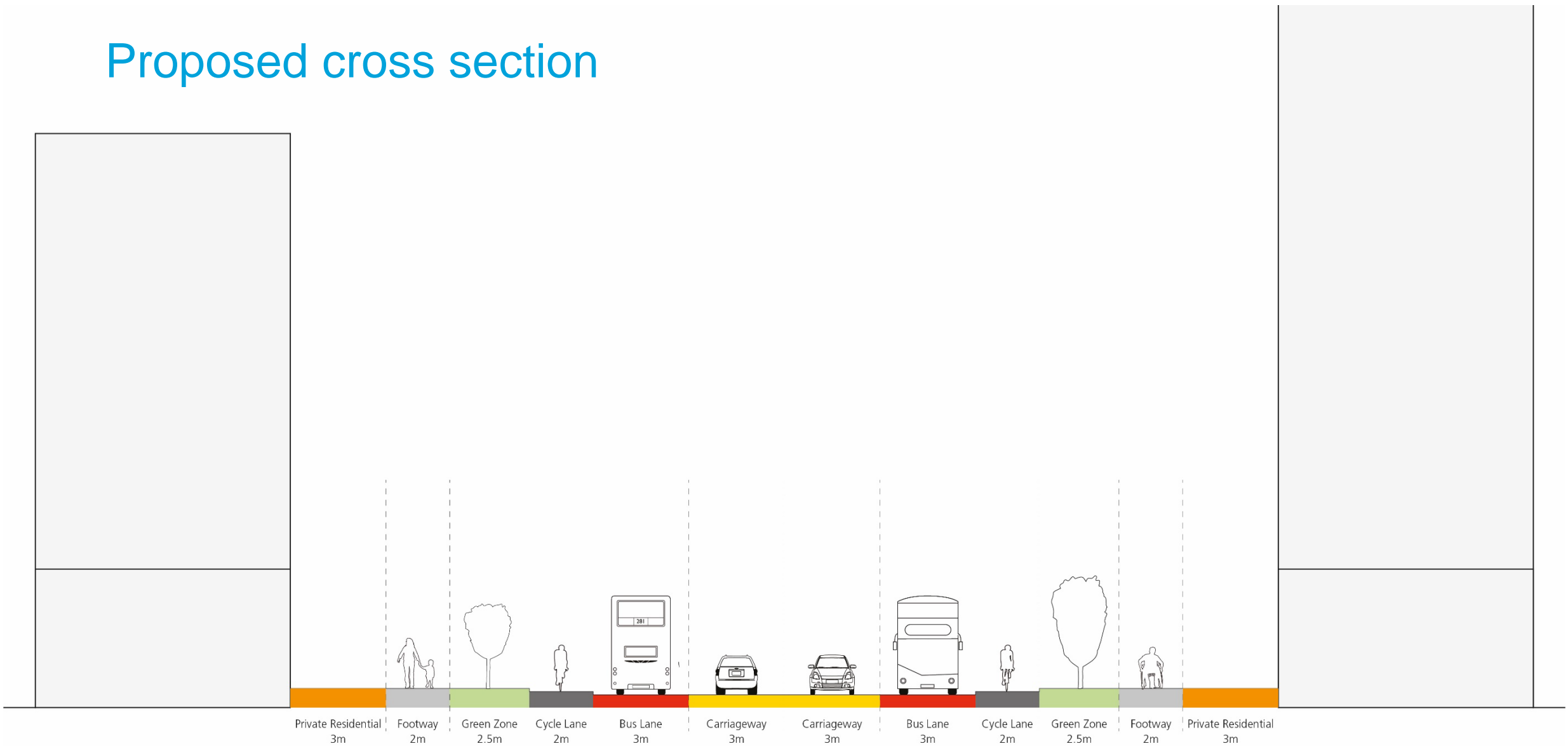
Existing cross section



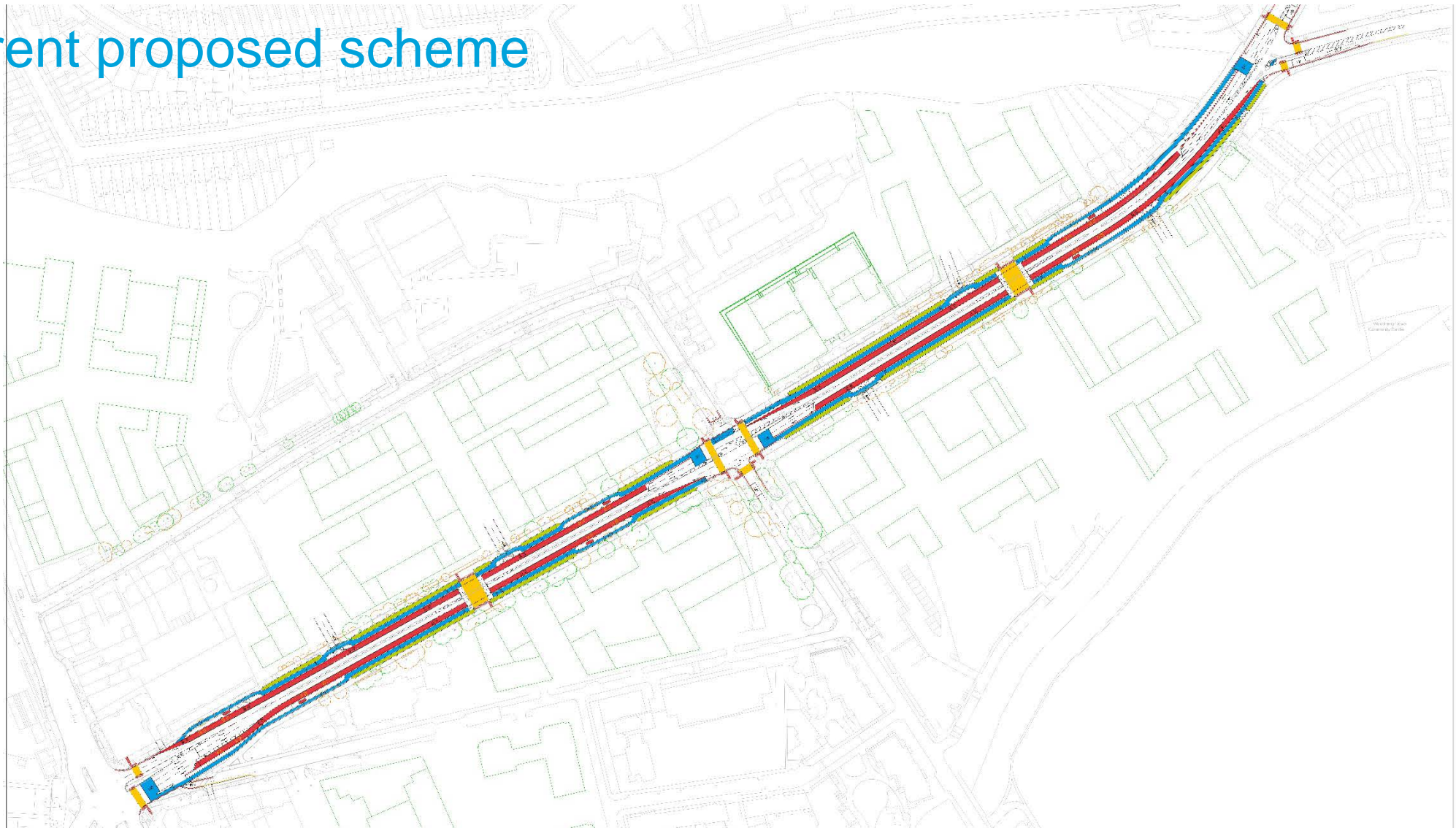
Proposed cross section



Proposed cross section



Current proposed scheme





Segregated space

- › One-way segregated cycle lane
- › Potential for stepped track or footway-level lane
- › Footway 2m minimum
- › Formal mid-block crossings introduced for improved accessibility



Bus u-turn

- › Current route 279 informal u-turn raised in Road Safety Audit
- › Several options assessed
- › Decision to formalise u-turn; will now be signalised



Floating bus stops

- › Separate footway and bus waiting area
- › Cycle path can be continuous
- › Designated crossing point for pedestrians
- › Tactile paving, speed humps, “slow” markings, and zebra markings proposed



Floating bus stops



Floating bus stops

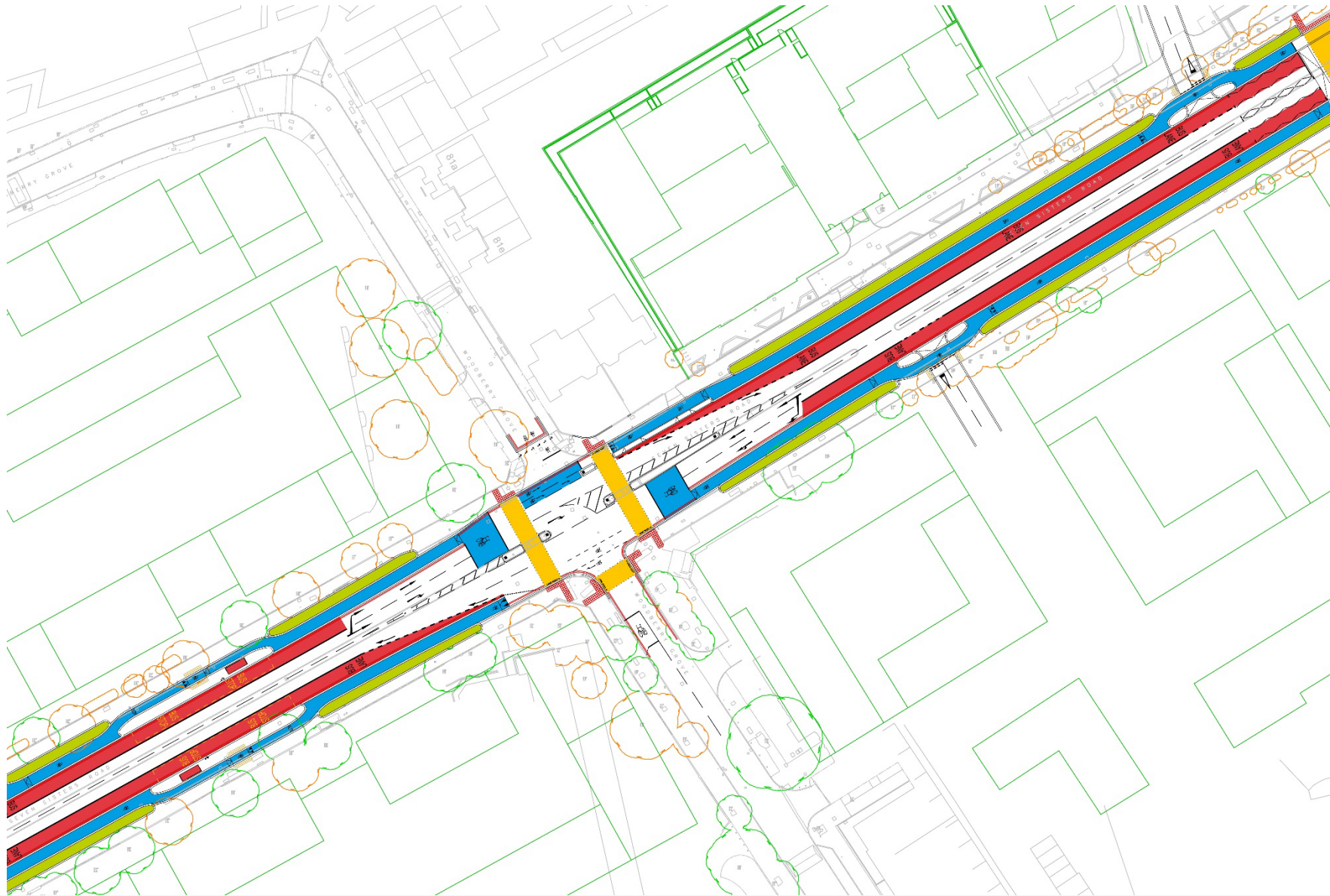


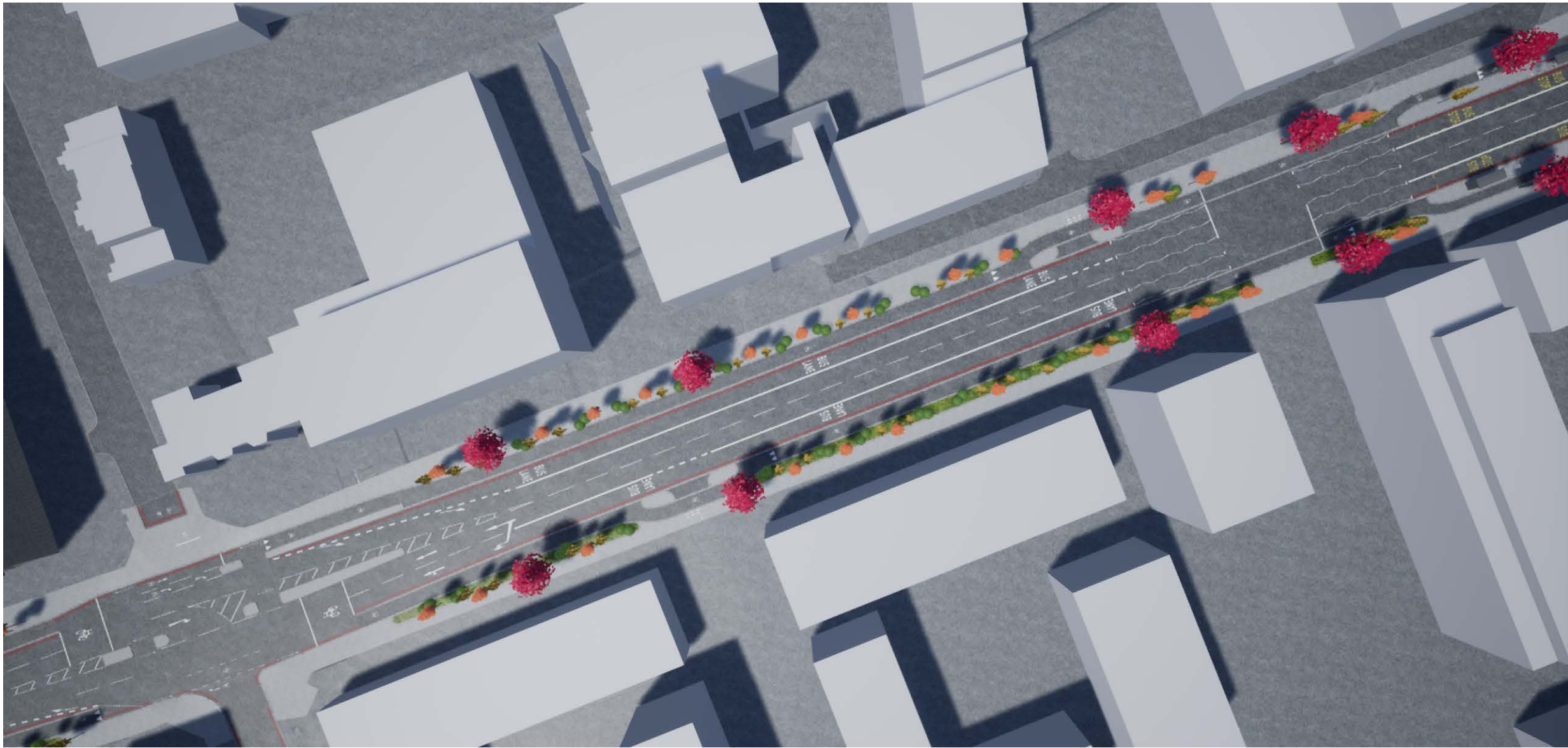


Mid-block crossings

- › Signalised formal mid-block crossings
- › Level pedestrian crossing
- › More accessible for pedestrians of all abilities
- › Median strip removed







Woodberry Grove

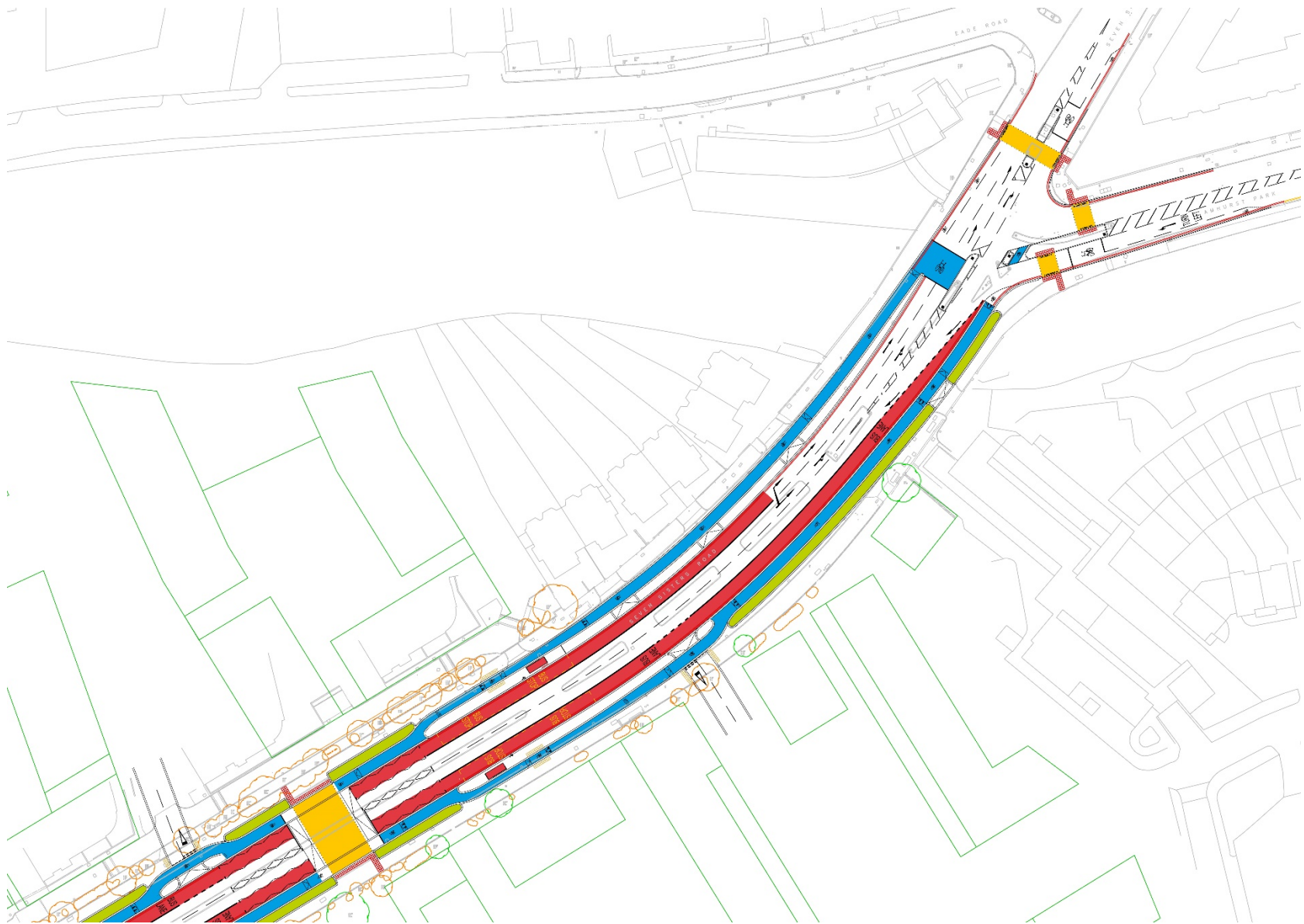
- › Proposed closure of Woodberry Grove (north), to vehicular traffic
- › Accessible to pedestrians and cyclists
- › Accessible for emergency vehicles











Landscape

- › “Green zone” proposed along extent of Seven Sisters Road
- › Trees will provide shade and shelter, and contribute to lower local temperatures
- › Planting arrangement to support air circulation and filtering to help remove pollutants
- › Fastigate and evergreen variety trees and planting will be low maintenance



“Nearside Green Zone”



“Central Green Zone”



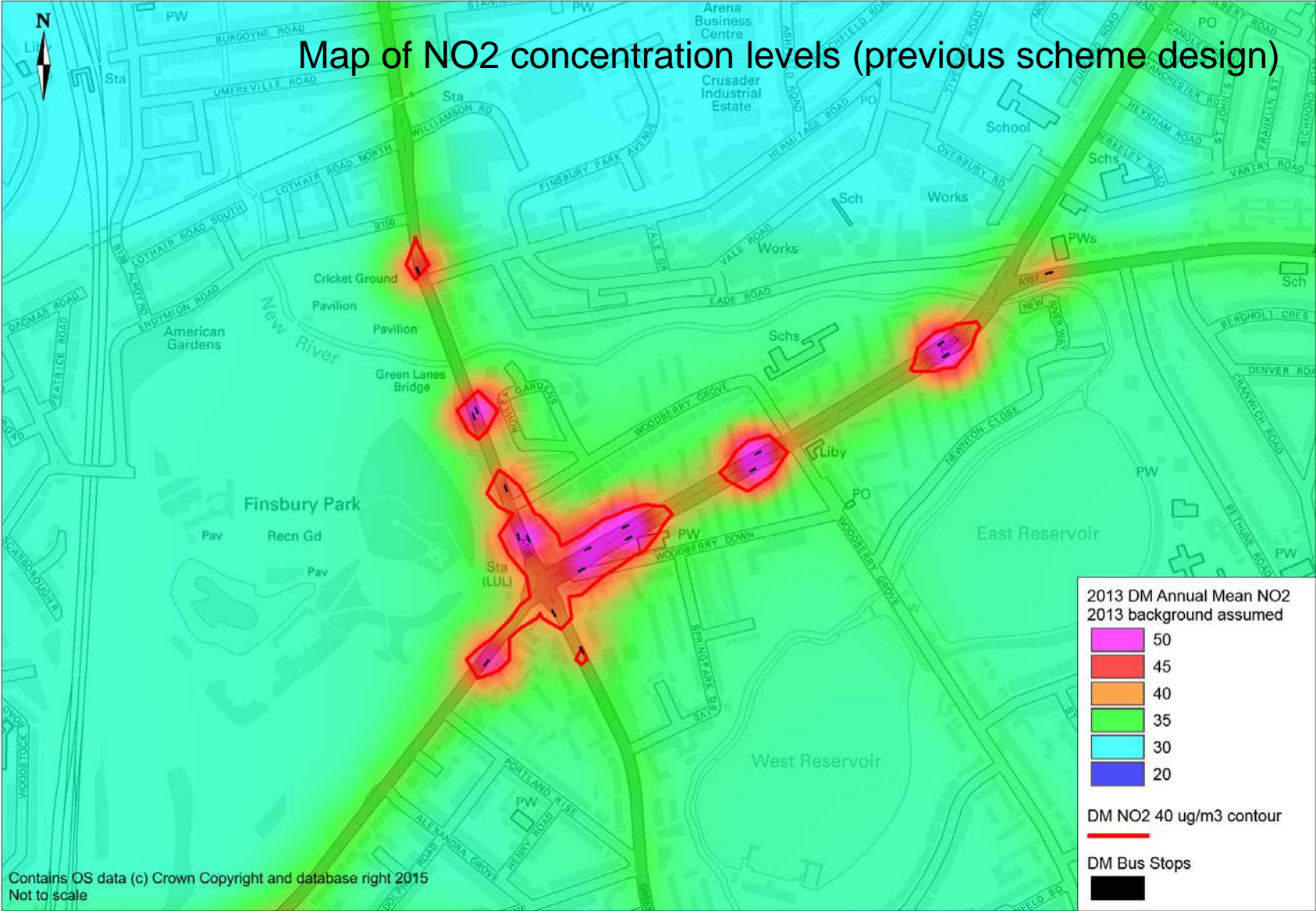
Air Quality Assessment

- › Assesses levels of nitrogen oxides (NO₂) and particulate matter (PM₁₀)
- › Combustion engines produce both of these
- › Assessments done of the site in 2031 without scheme, and with scheme indicate some improvements



Air Quality 2031 Without scheme

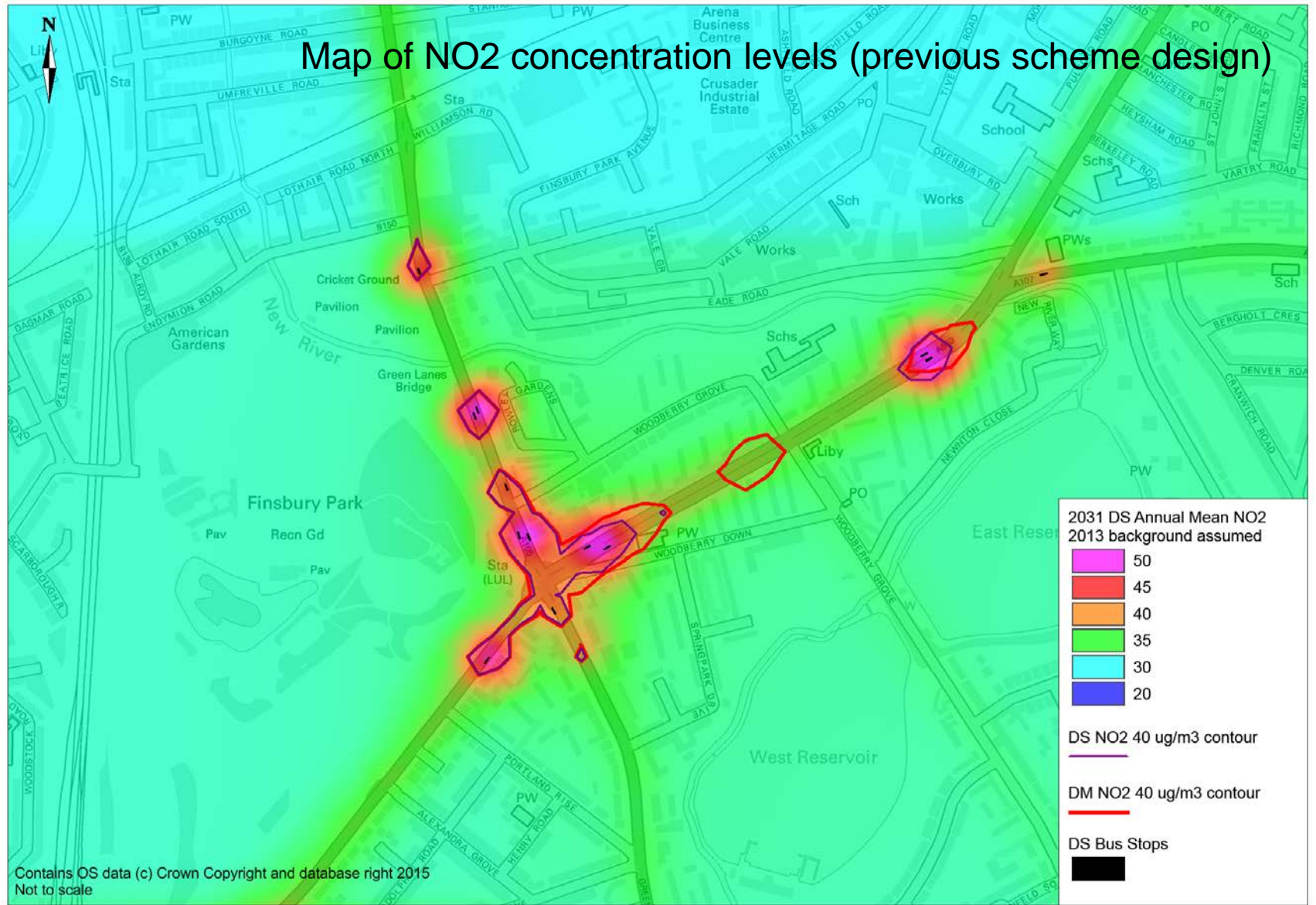
Some exceedances of UK annual mean objective 40 ug/m3



Air Quality 2031 With scheme

Some exceedances of UK annual mean objective 40 ug/m3

Some reductions in NO2 concentration levels with scheme



Air Quality Assessment (current design)

- › Will be done upon completion of traffic modelling in August 2018
- › Will take into account ULEZ, other expected changes in fleet



Next Steps

- › Complete traffic modelling to understand impact on wider road network
- › Air quality assessment
- › Road safety audit
- › Finalise preliminary design
- › Consultation



Proposed Programme

- › Complete preliminary design, including traffic modelling and air quality assessment – September 2018
- › Public consultation – September/October 2018
- › TfL approval process – Autumn 2018, ongoing
- › Detailed design – Spring 2019
- › Cycle Future Routes construction – Winter 2019 to Spring 2020
- › Highway construction – Summer 2020 to Summer 2021



Thank you

Any questions?