Figure 1.1 Site Location Plan

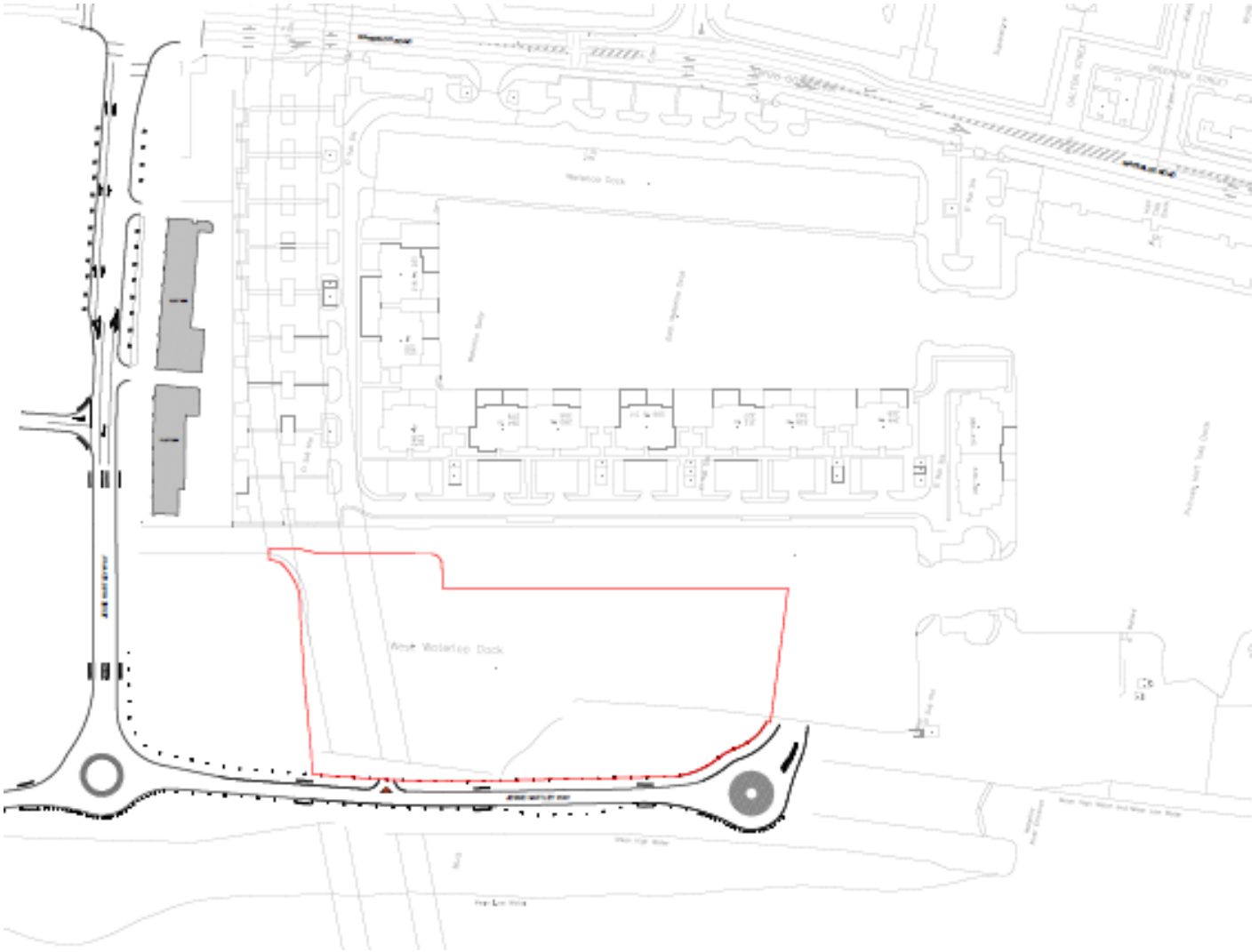
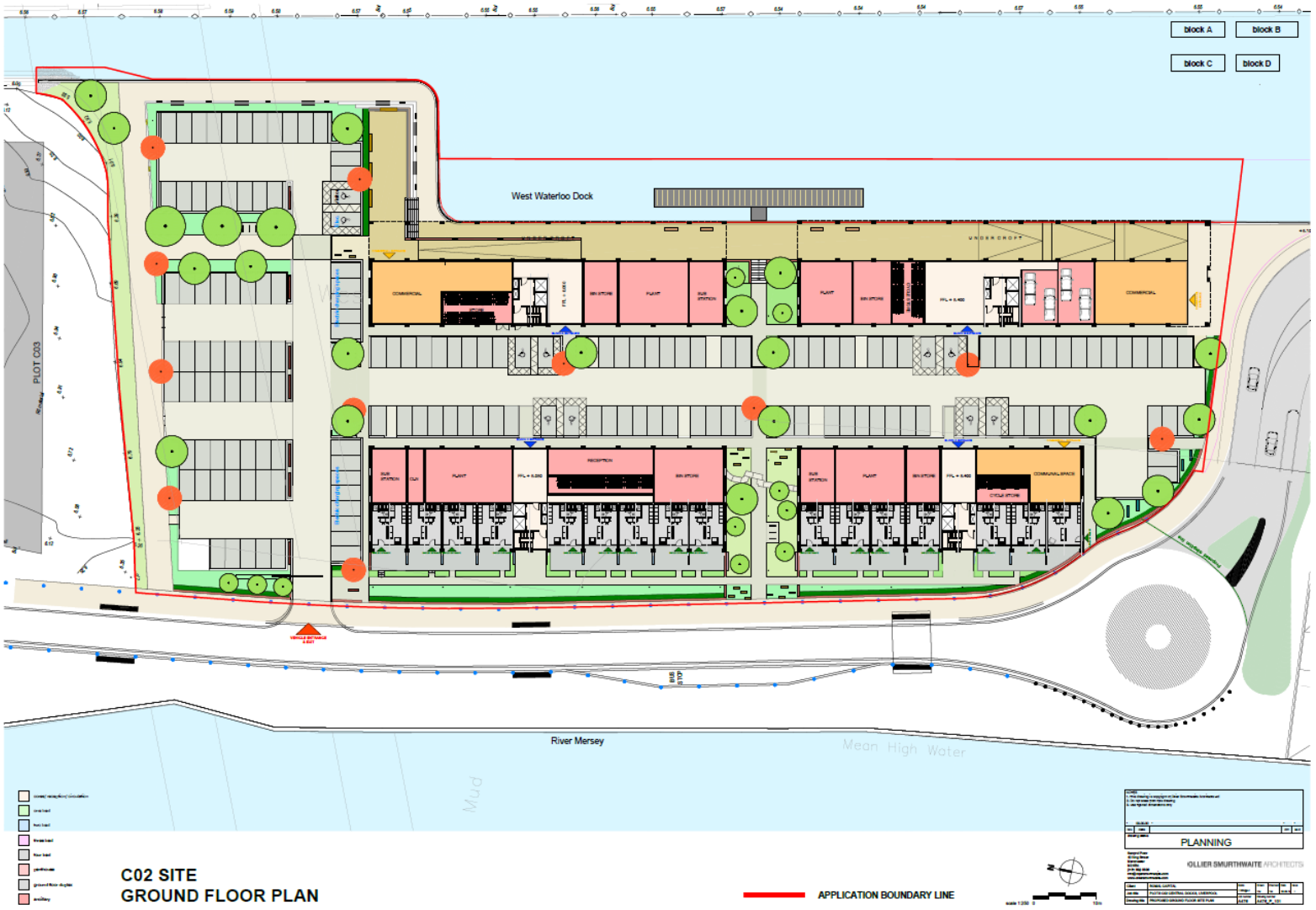


Figure 2.1 Proposed Site Plan



Figures 6.1 – 6.8

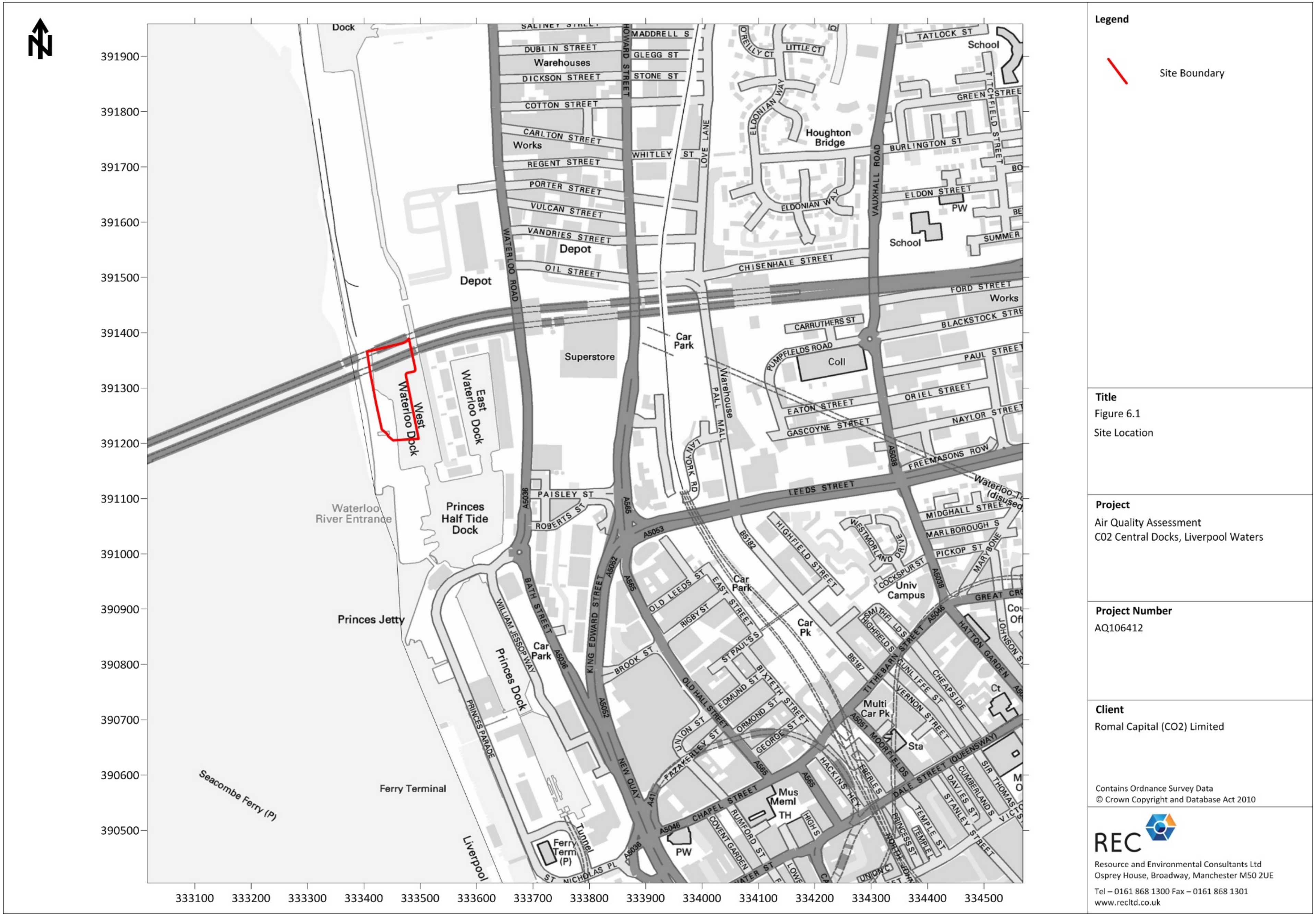


Figure 6.1 Site Location Plan

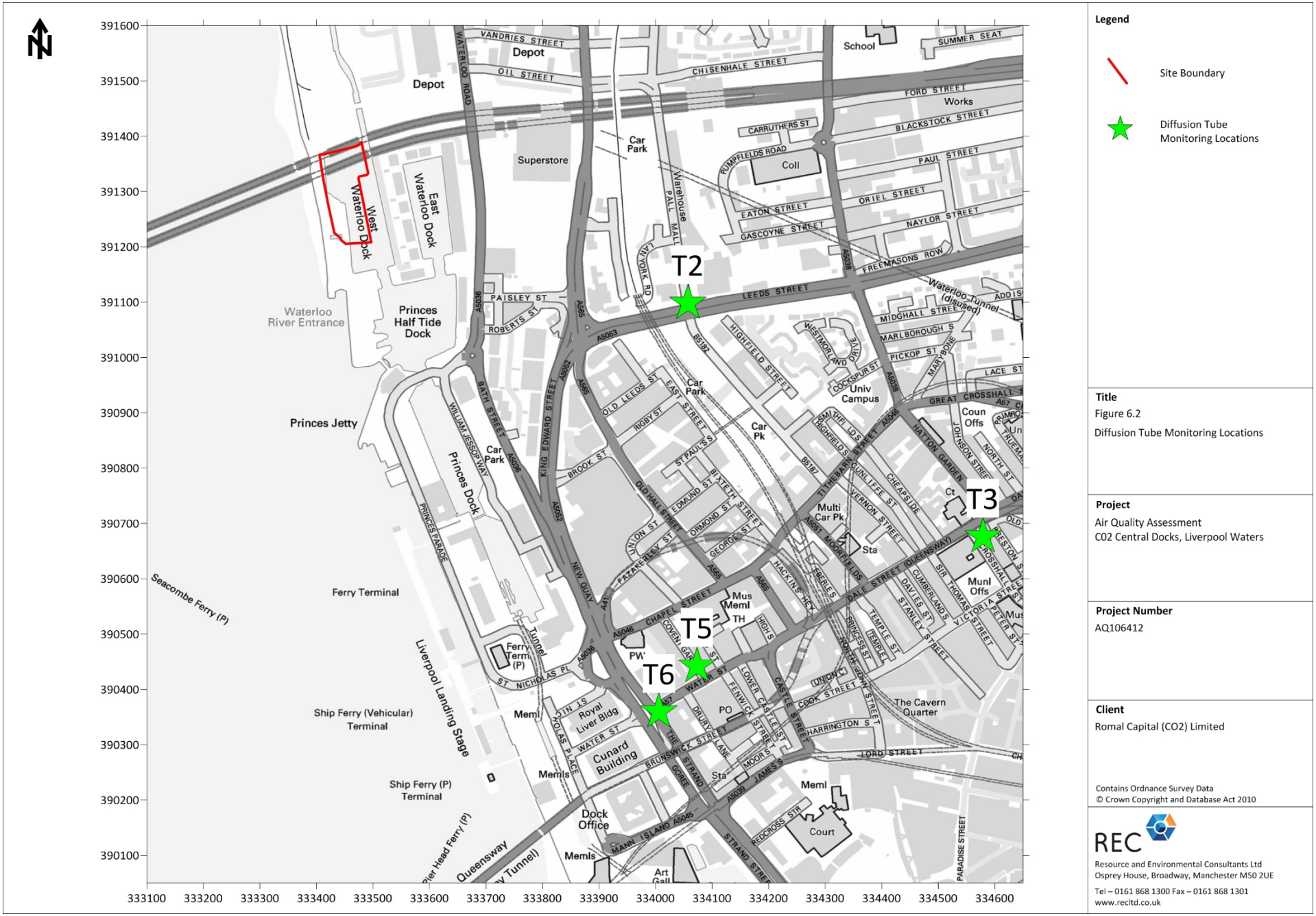


Figure 6.2 Diffusion Tube Locations

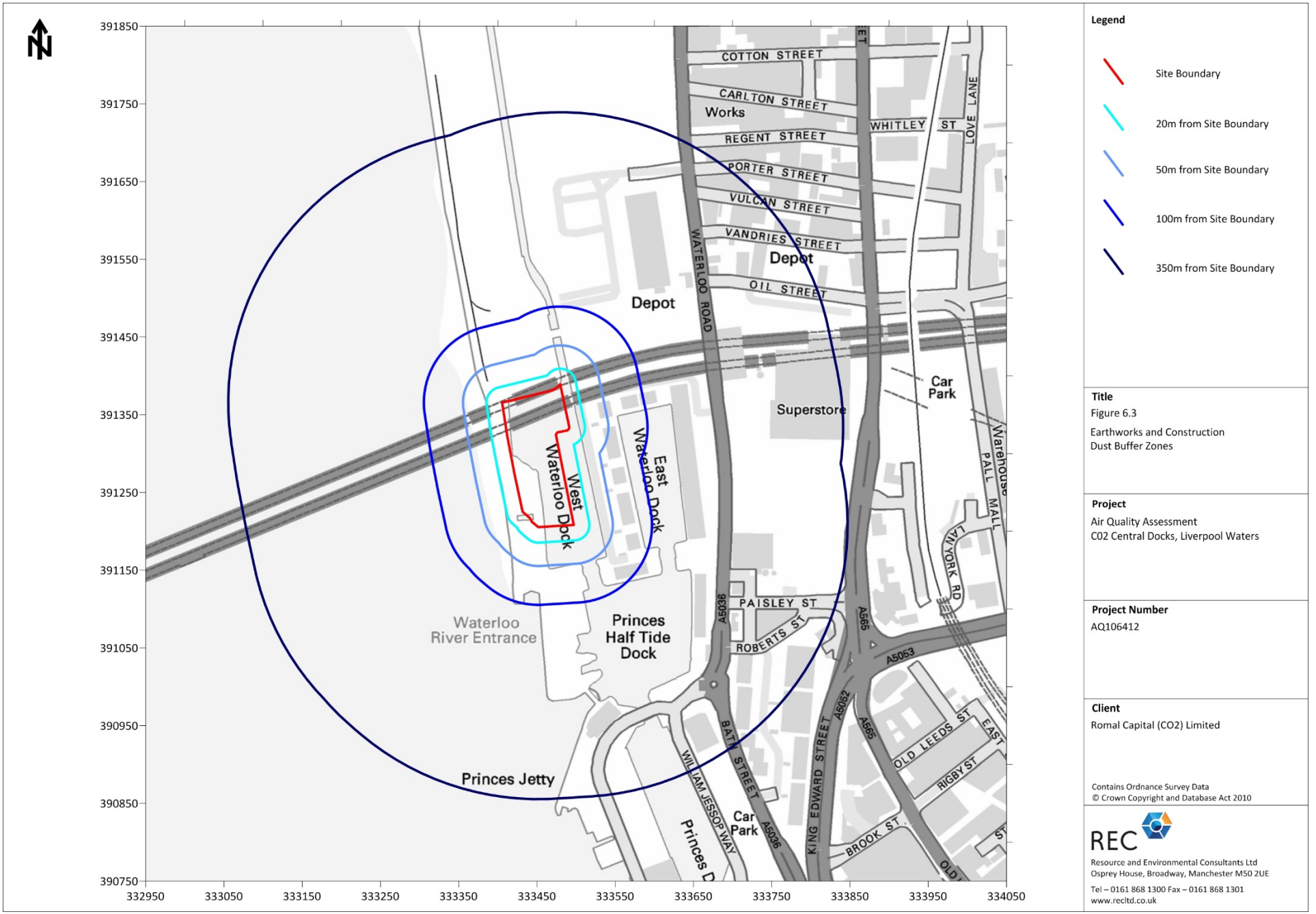


Figure 6.3 Earthworks and Construction Dust Buffer Zones

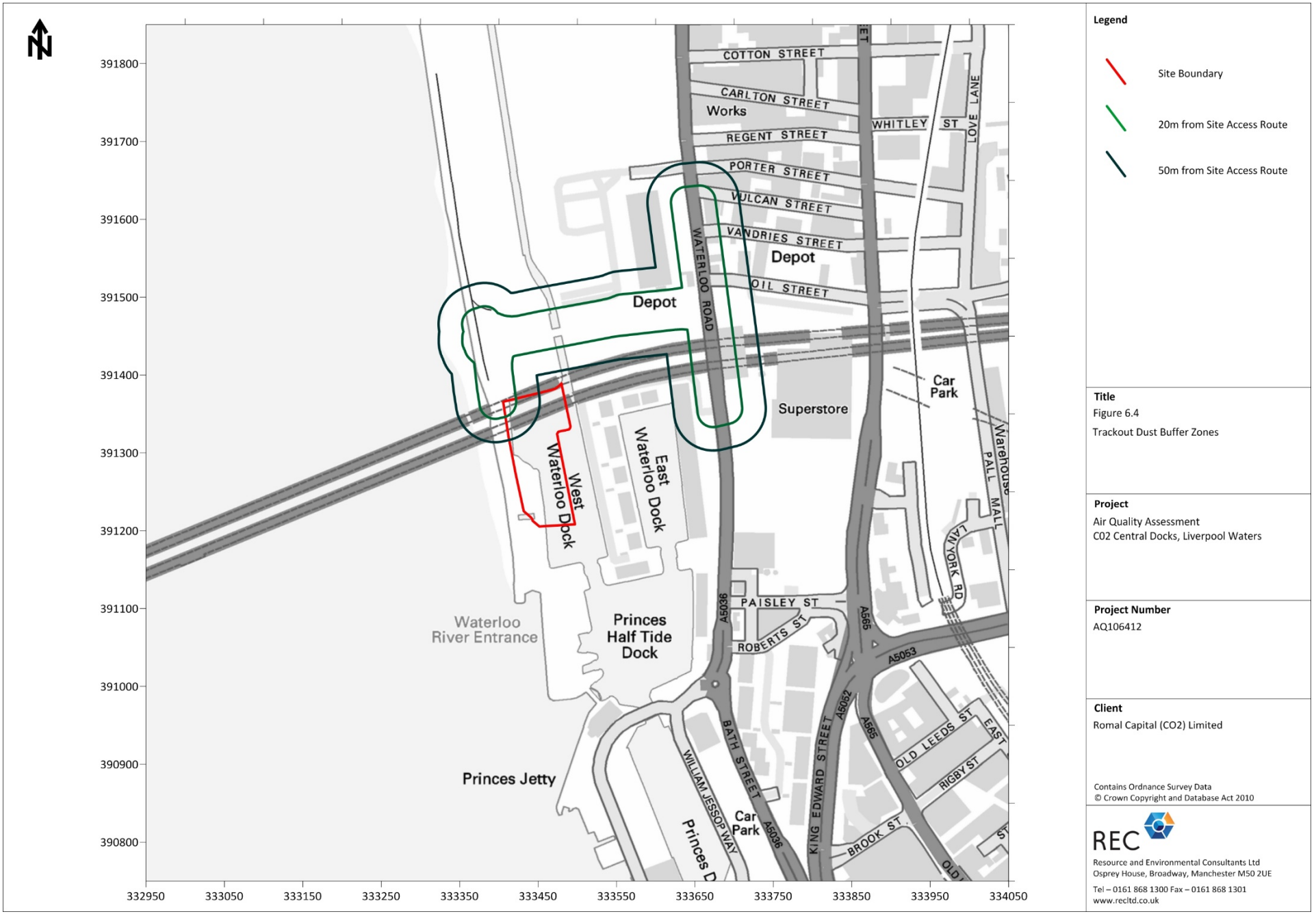
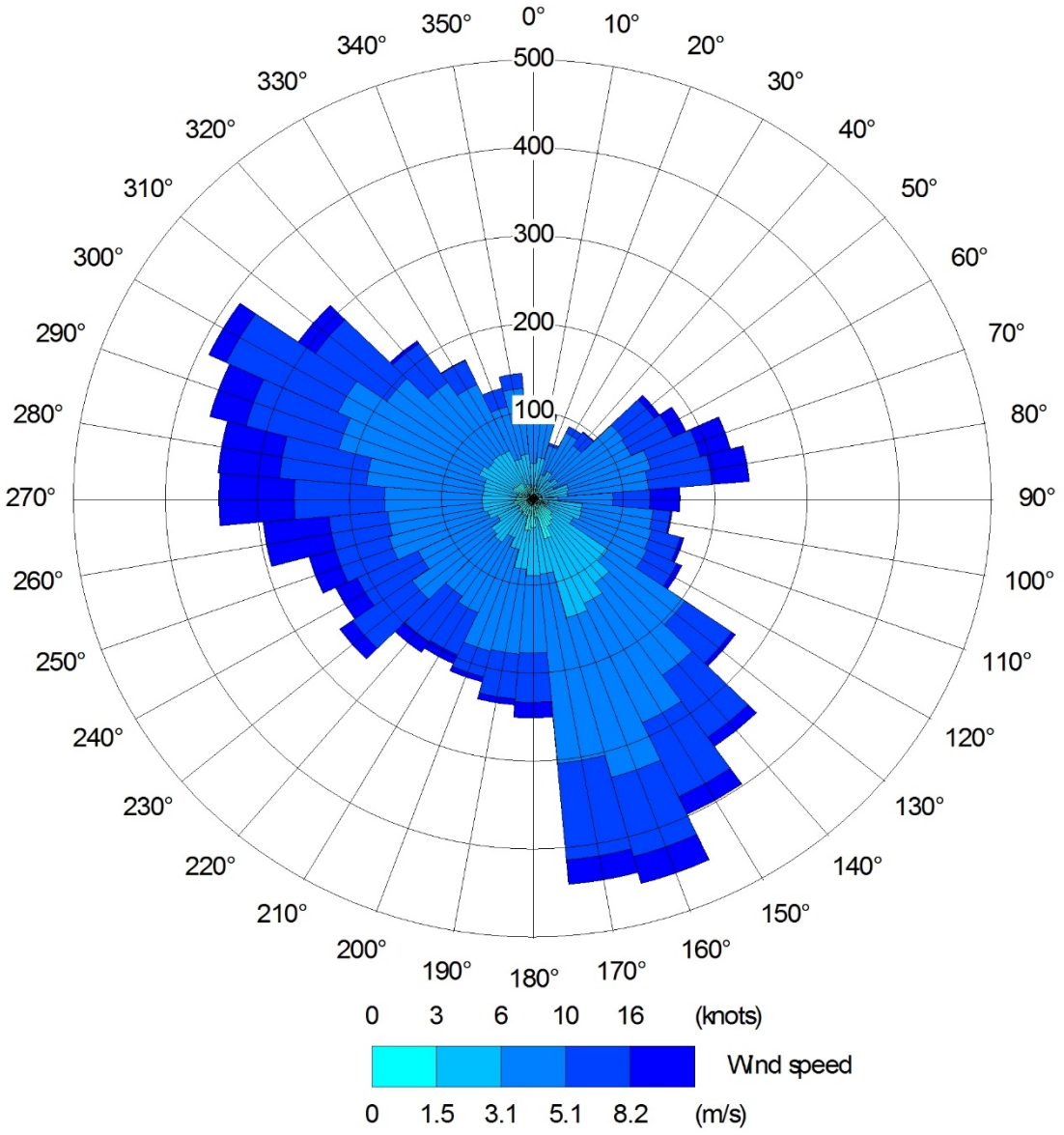


Figure 6.4 Trackout Dust Buffer Zones



Title
Figure 6.5
Wind Rose 2018
Liverpool Meteorological Station

Project
Air Quality Assessment
C02 Central Docks, Liverpool Waters

Project Number
AQ106412

Client
Romal Capital (CO2) Limited

REC
Resource and Environmental Consultants Ltd
Osprey House, Broadway, Manchester M50 2UE
Tel – 0161 868 1300 Fax – 0161 868 1301
www.recltd.co.uk

Figure 6.5 Wind Rose Liverpool Meteorological Station

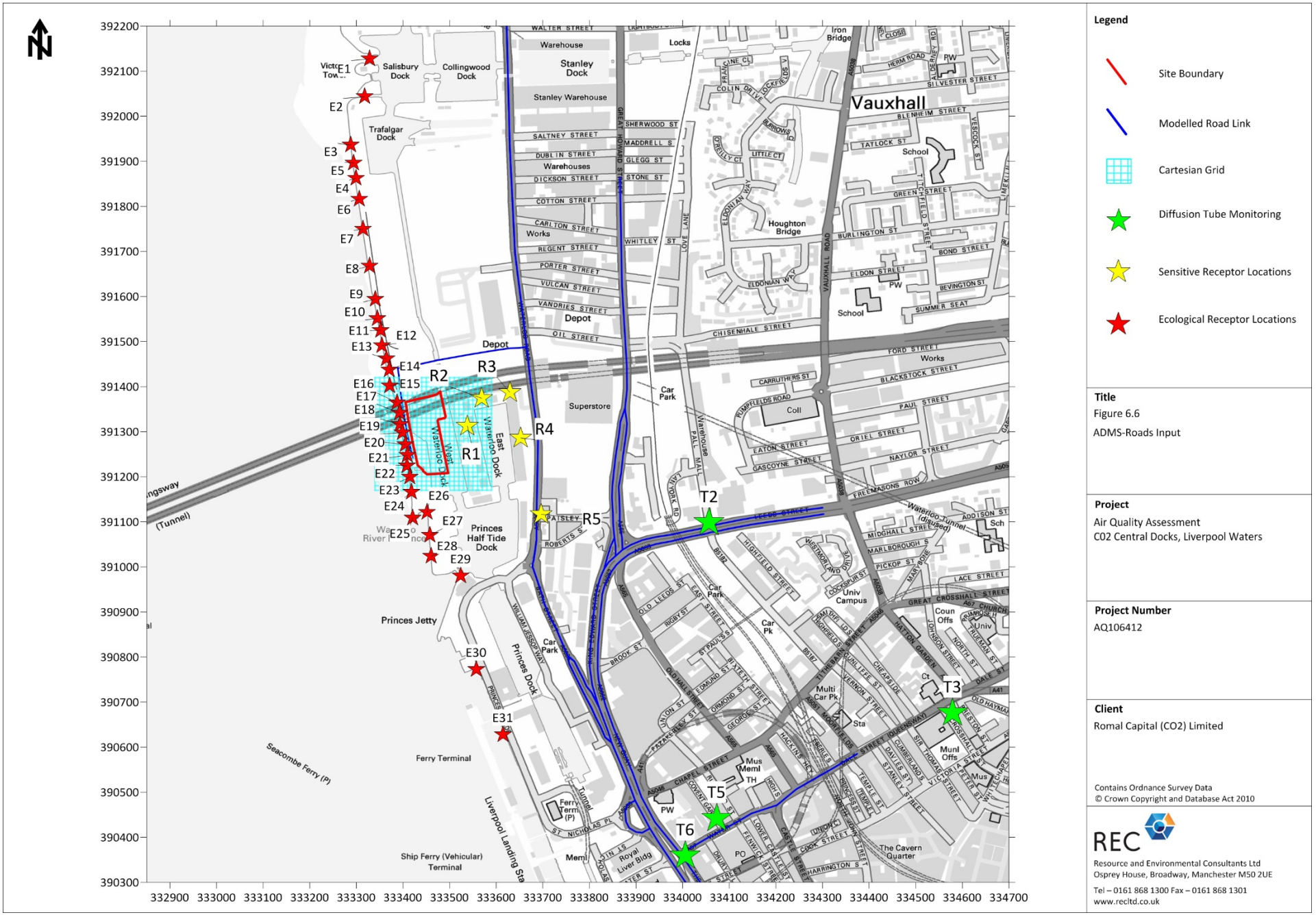


Figure 6.6 ADMS Roads Inputs

Figure 6.7 Predicted Annual Mean NO2 Concentrations

Figure 6.8 Predicted Annual Mean PM10 Concentrations

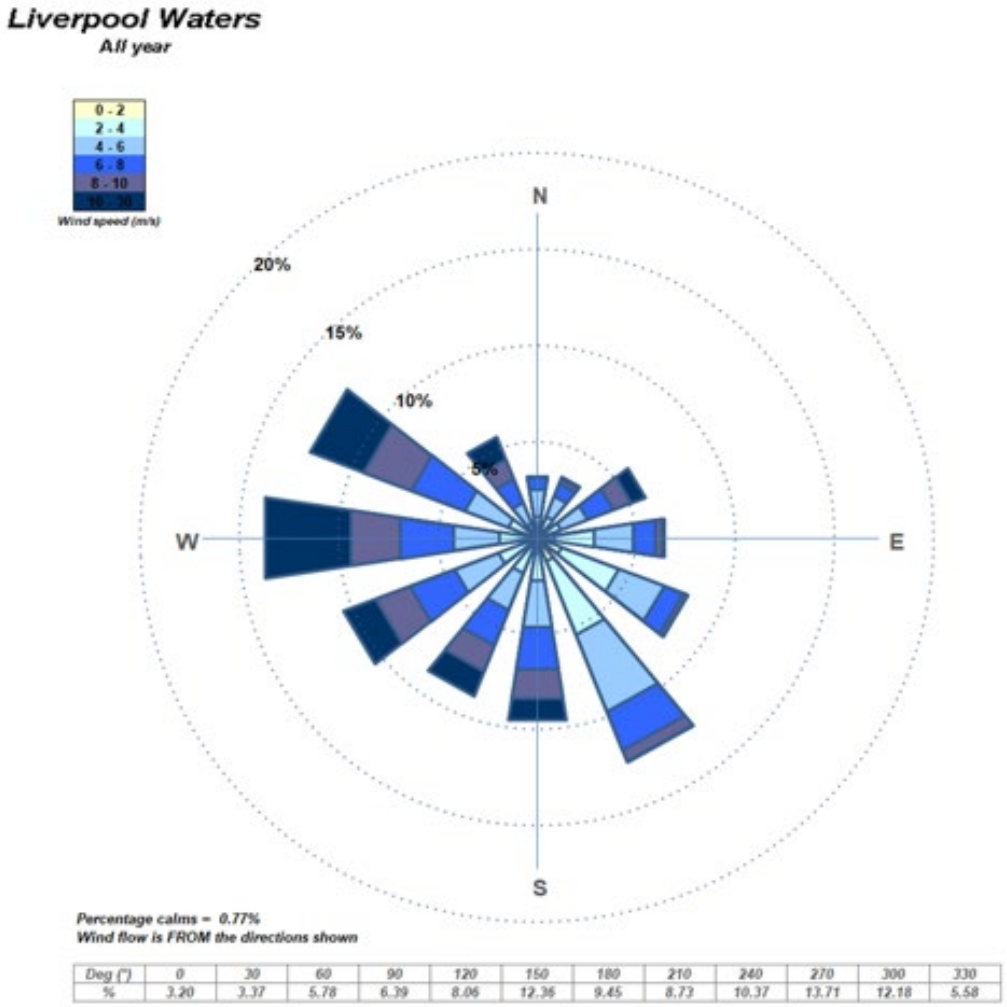


Figure 13- 1 Annual wind rose for the development site

Figure 13- 2 Site location and surrounding buildings

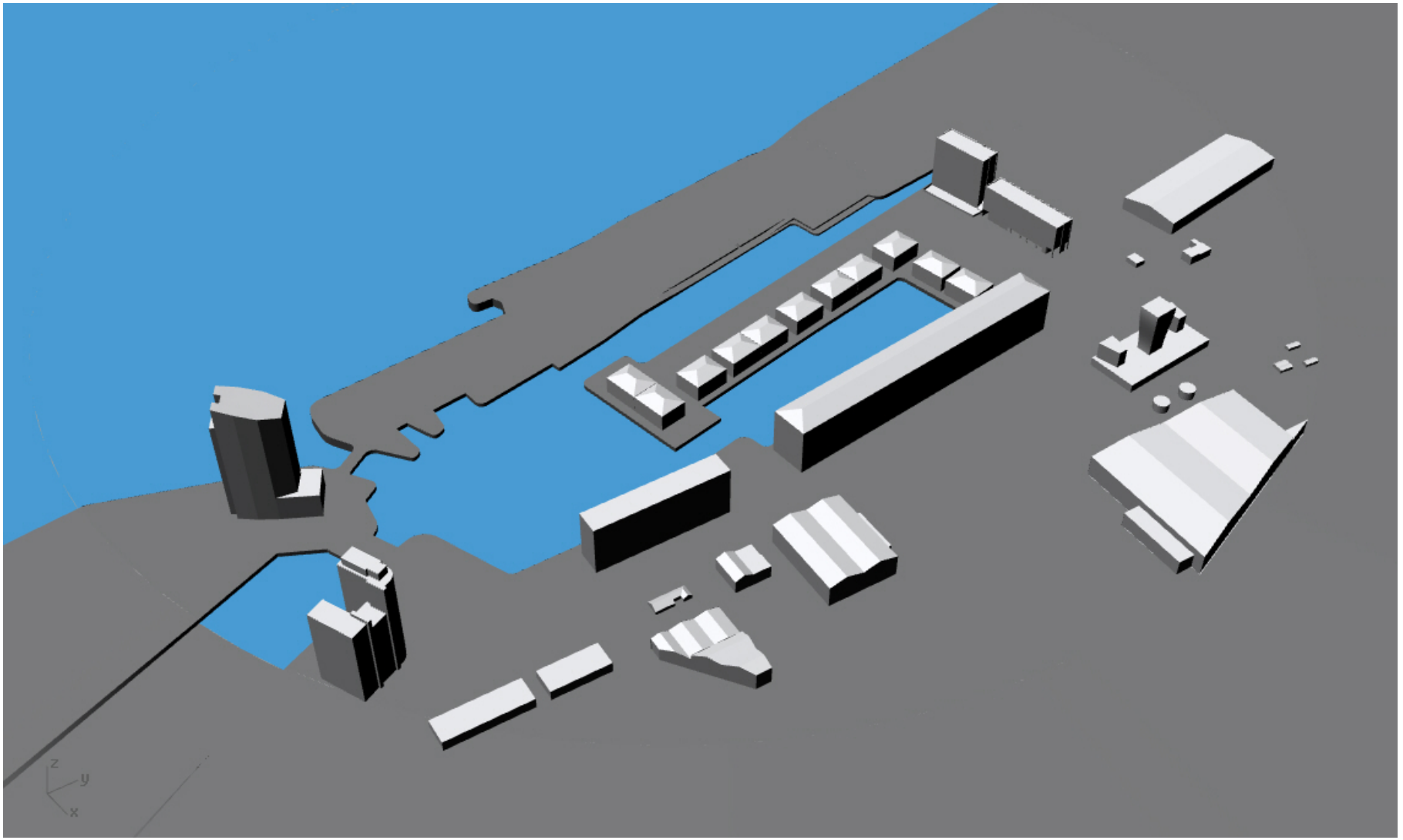


Figure 13- 3 CFD model - existing site with existing surroundings

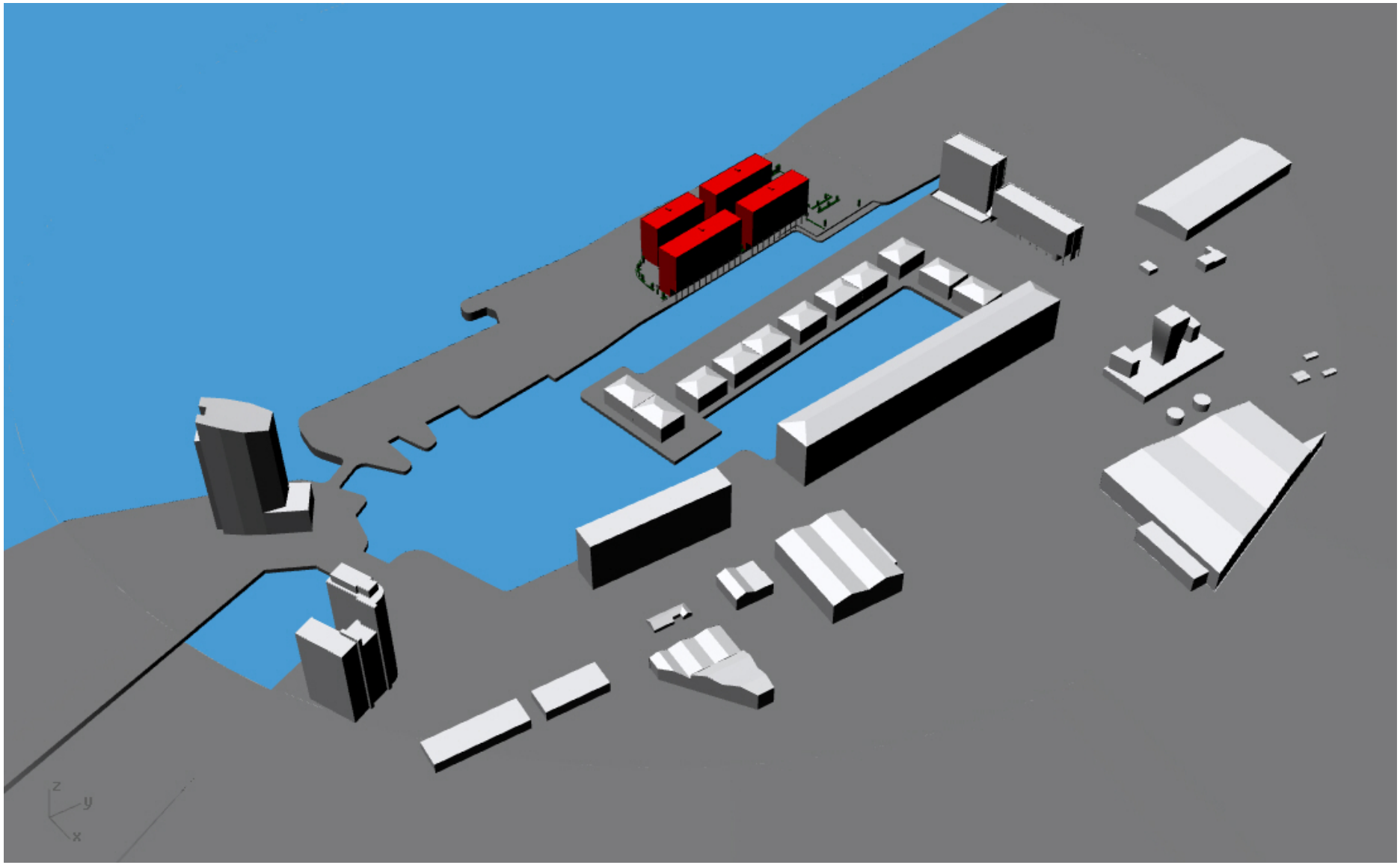


Figure 13- 4 CFD model - proposed development (red) with existing surroundings

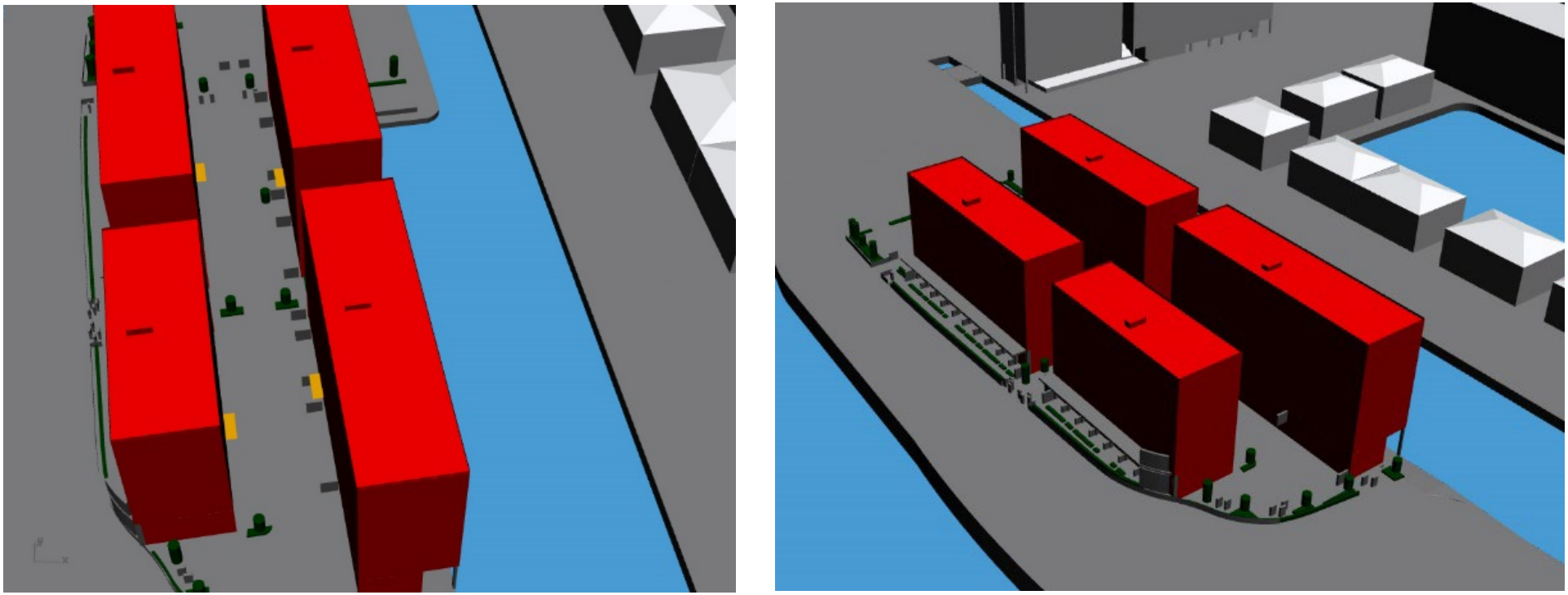


Figure 13- 5 CFD model - proposed development (red) with mitigation measures (porous wind screens and canopies) and existing surroundings

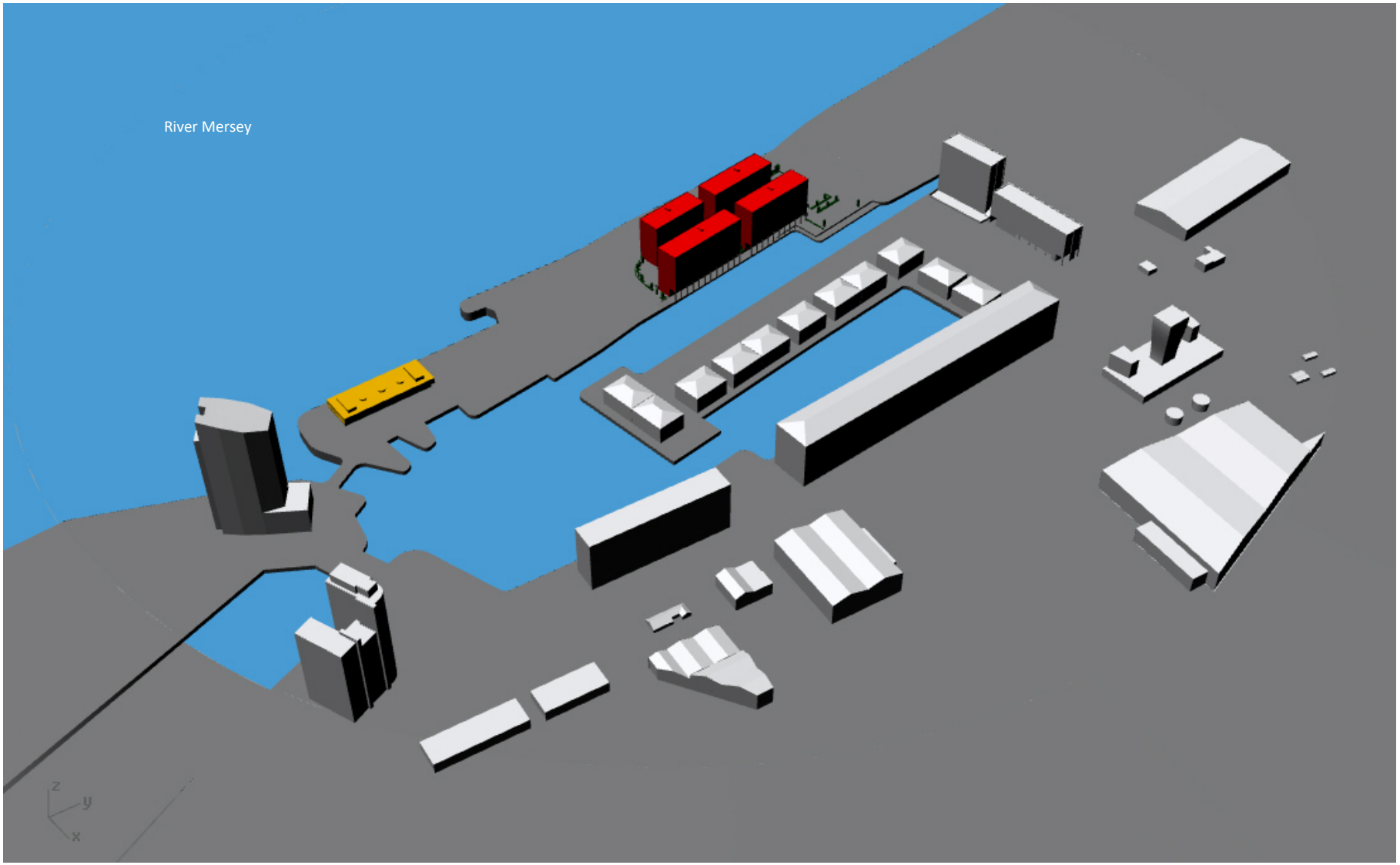


Figure 13- 6 CFD model - proposed development (red) with existing surroundings and future development (yellow)

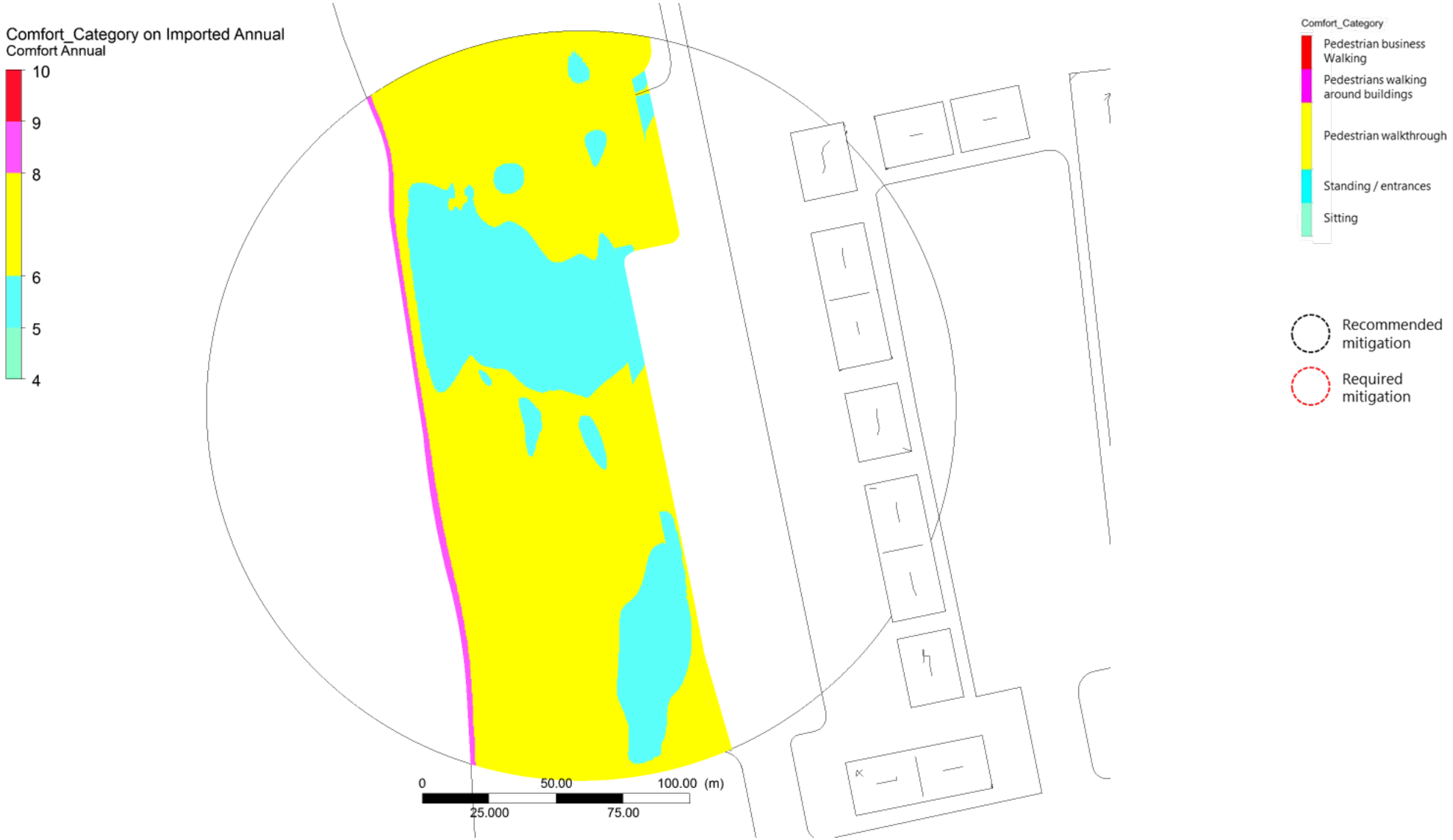


Figure 13- 7 Existing site with existing surroundings- annual composite comfort map (12 directions)

Figure 13- 8 Existing site with existing surroundings - winter composite comfort map (12 wind directions)

Figure 13- 9 Existing site with existing surroundings- annual composite safety map (12 directions)

Figure 13- 10 Proposed development with existing surroundings – annual composite comfort map (12 wind directions)

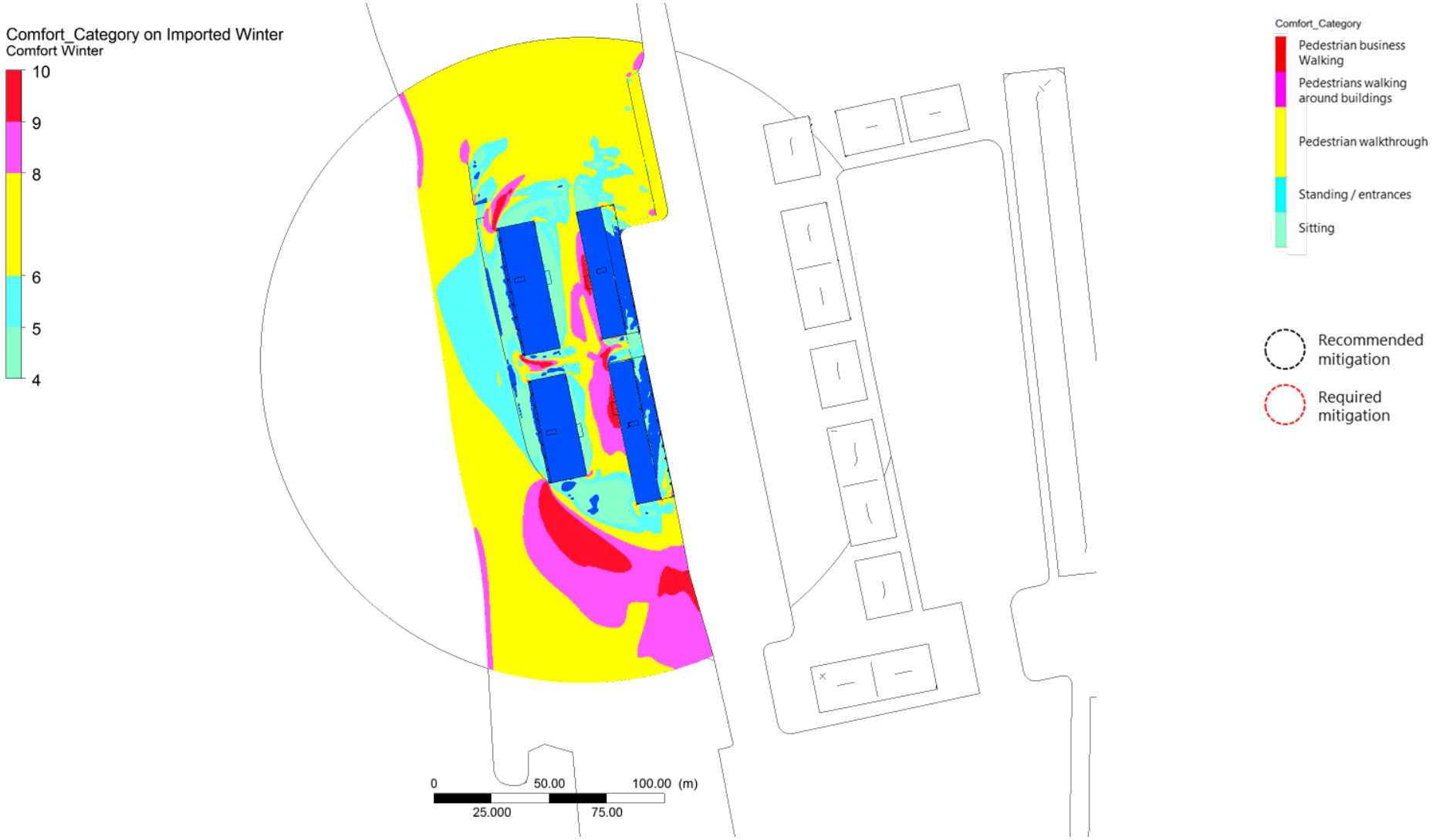


Figure 13- 11 Proposed development with existing surroundings - winter composite comfort map (12 wind directions)

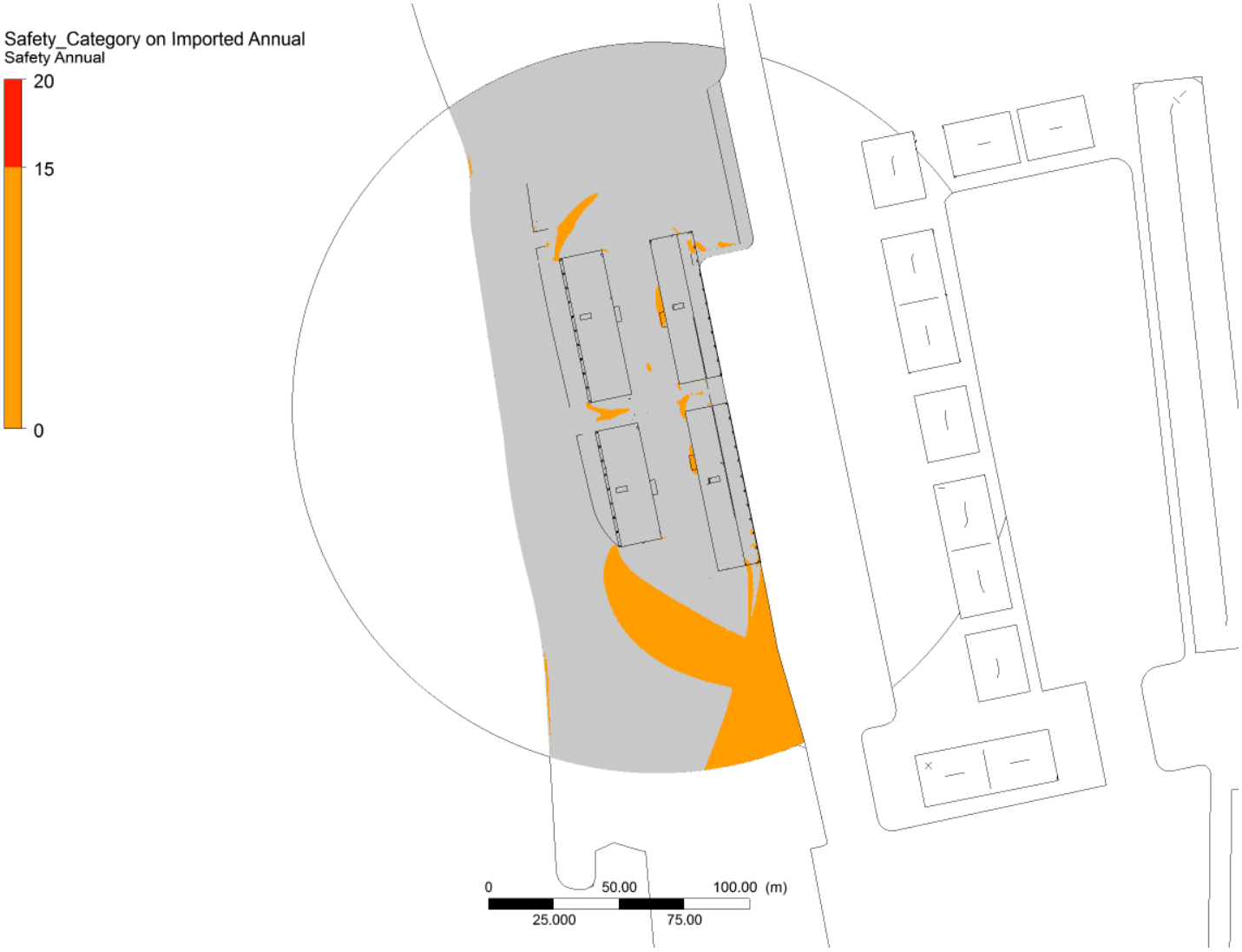


Figure 13- 12 Proposed development with existing surroundings- annual composite safety map (12 directions)

Figure 13- 13 Proposed development with mitigation- annual composite comfort map (12 directions)

Figure 13- 14 Proposed development with mitigation- winter composite comfort map (12 directions)

Figure 13- 15 Proposed development with mitigation- annual composite comfort map (12 directions)

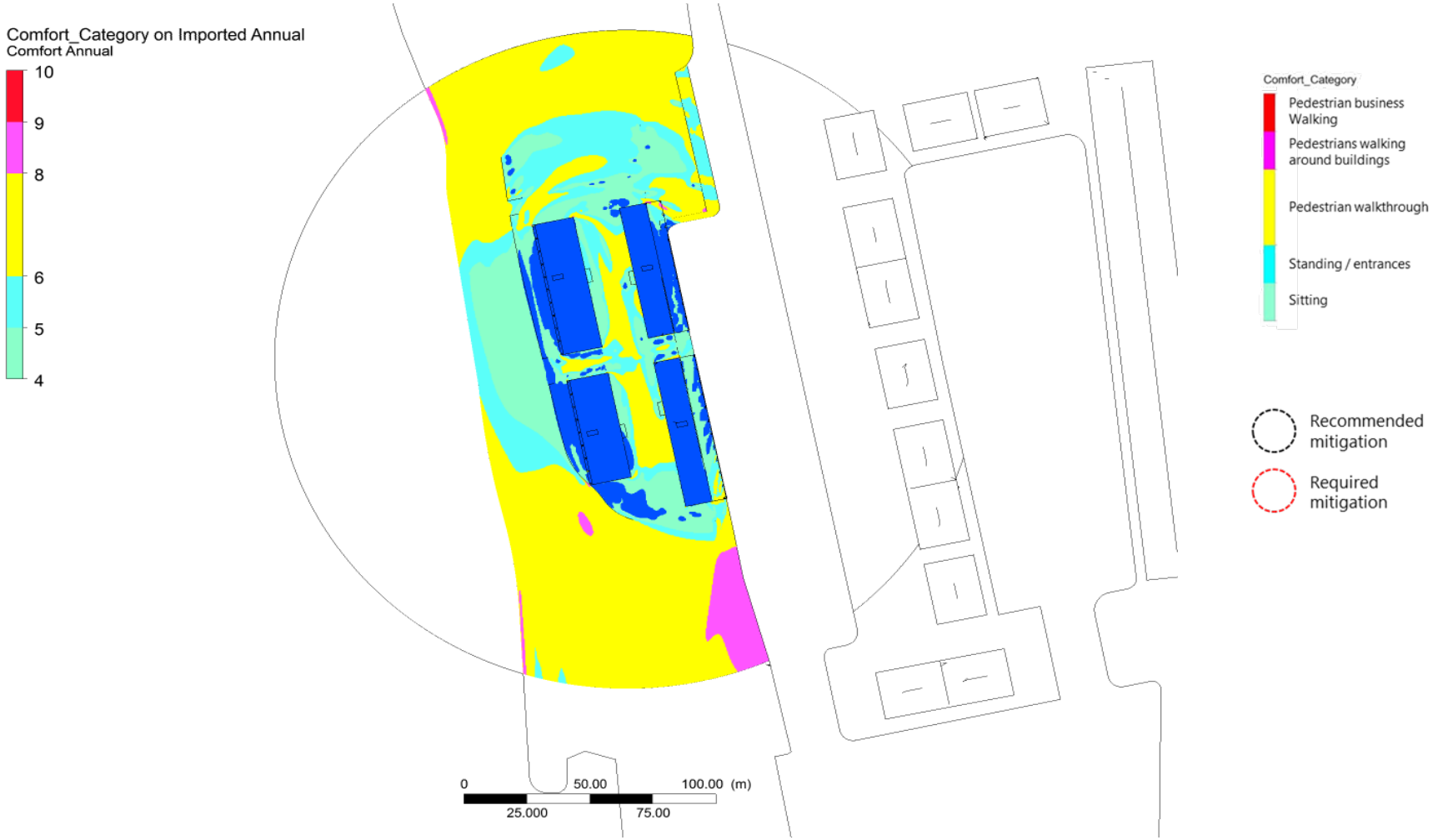


Figure 13- 16 Proposed development with future consented developments- annual composite comfort map (12 directions)

Figure 13- 17 Proposed development with future consented developments- winter composite comfort map (12 directions)

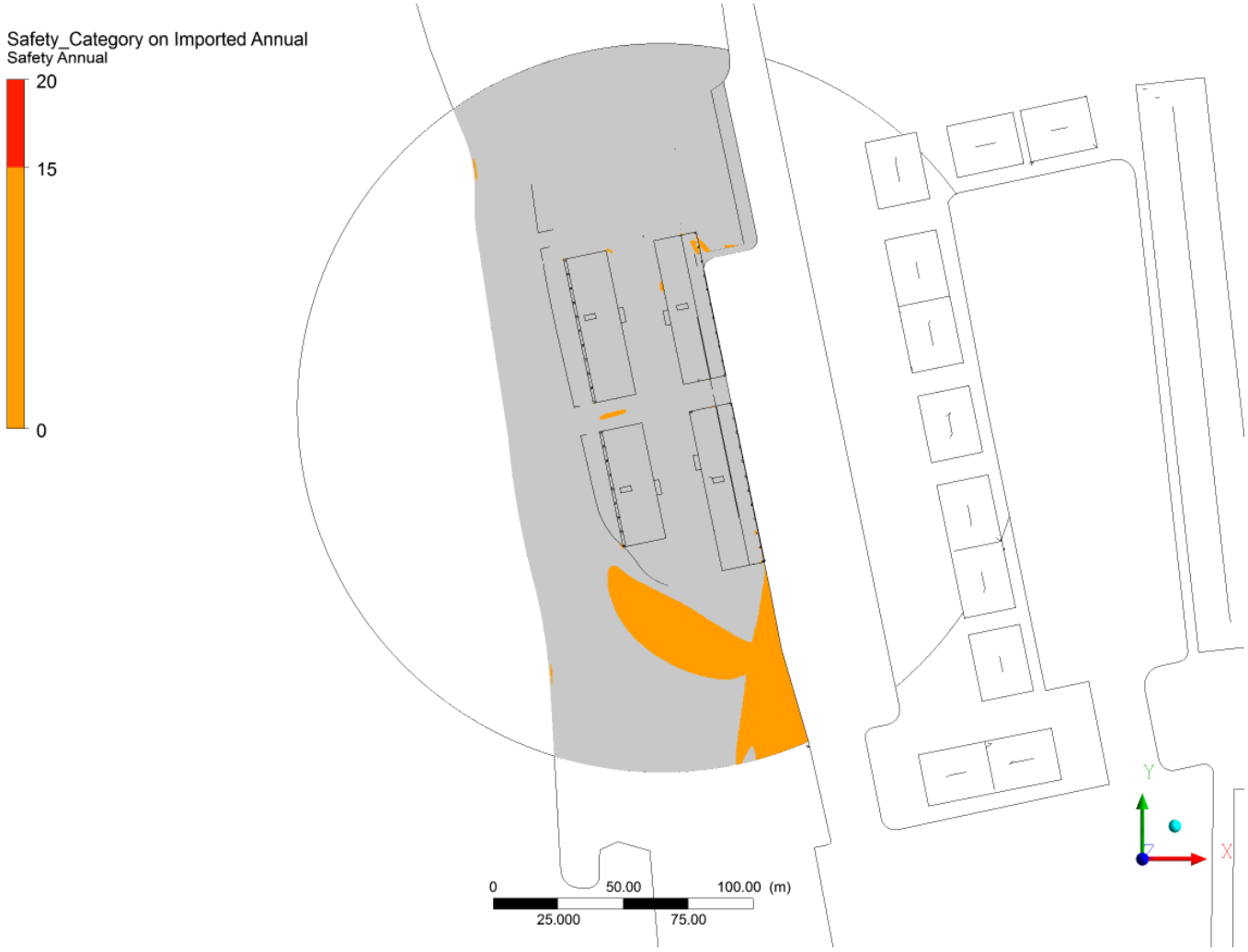


Figure 13- 18 Proposed development with future consented developments- annual composite safety map (12 directions)

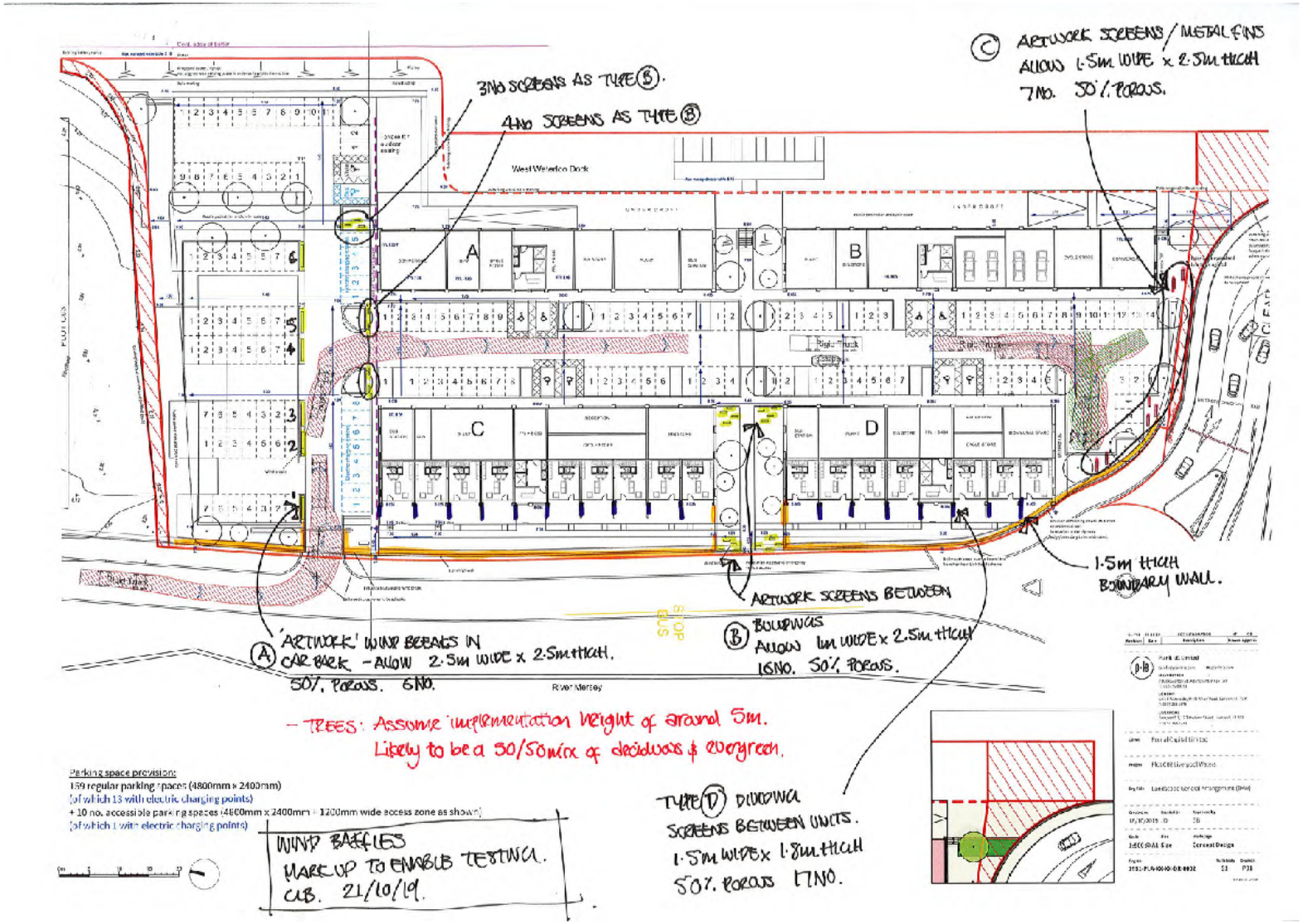


Figure 13- 19 Proposed landscape strategy

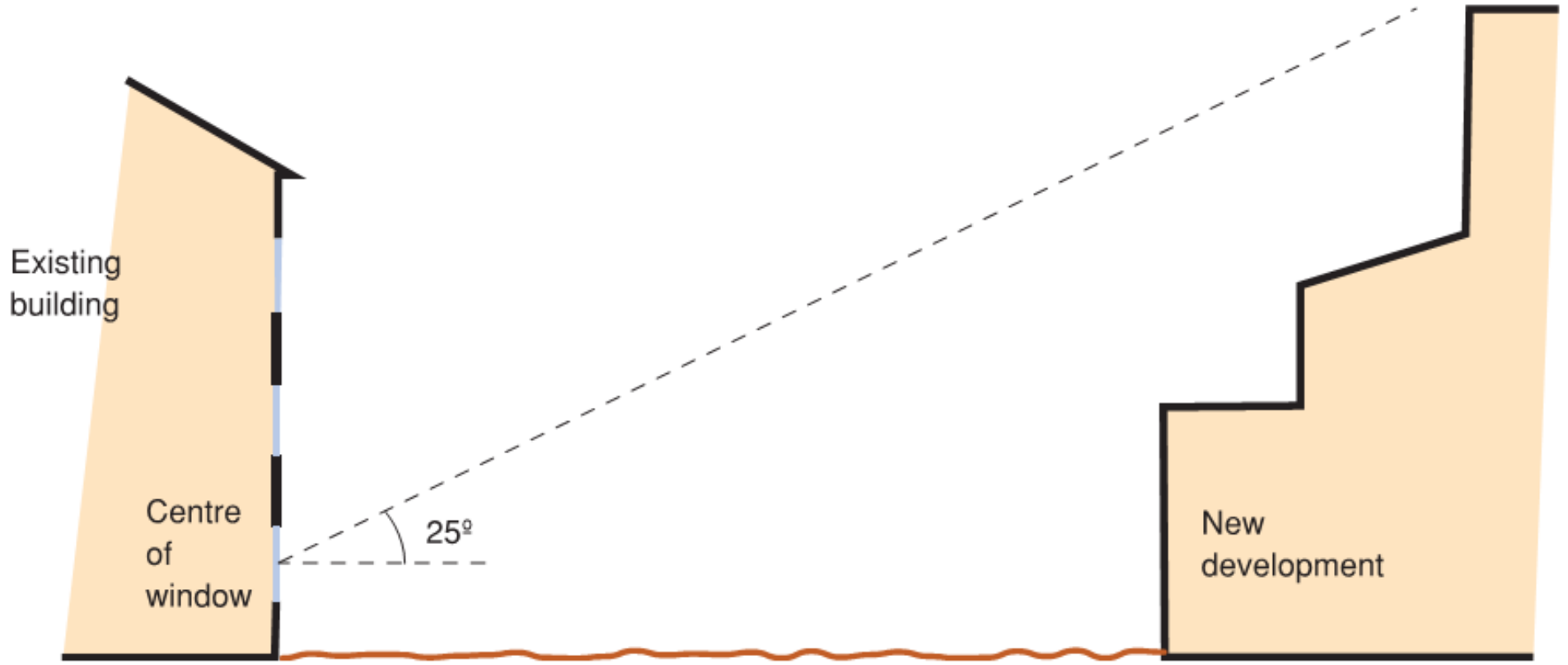


Figure 14.1 BR209 obstruction angle corresponding to a VSC of 27% at adjacent windows

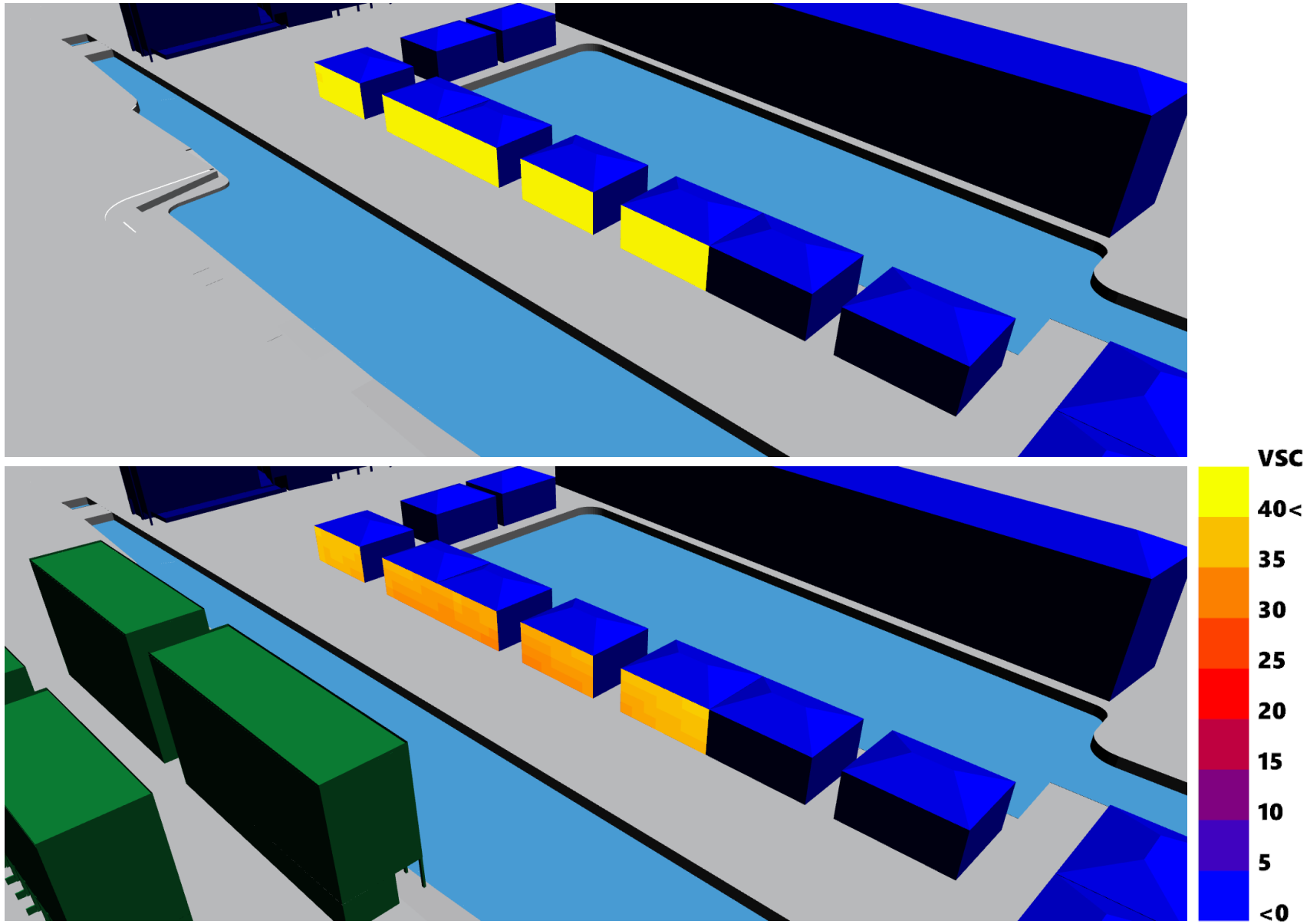


Figure 14.3 VSC on existing dwellings pre and post-proposed development

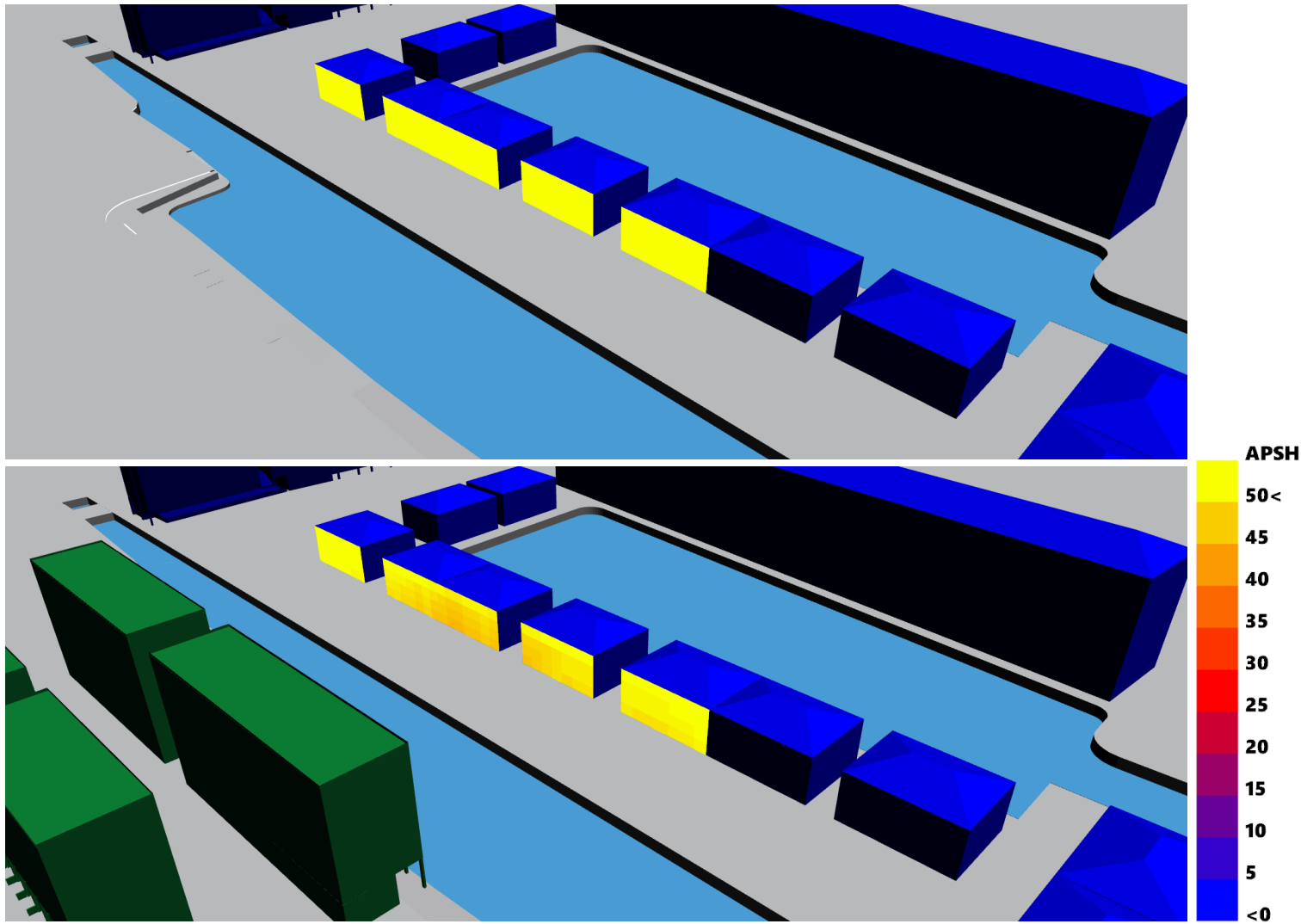


Figure 14.4 APSH on existing dwellings pre and post-proposed development

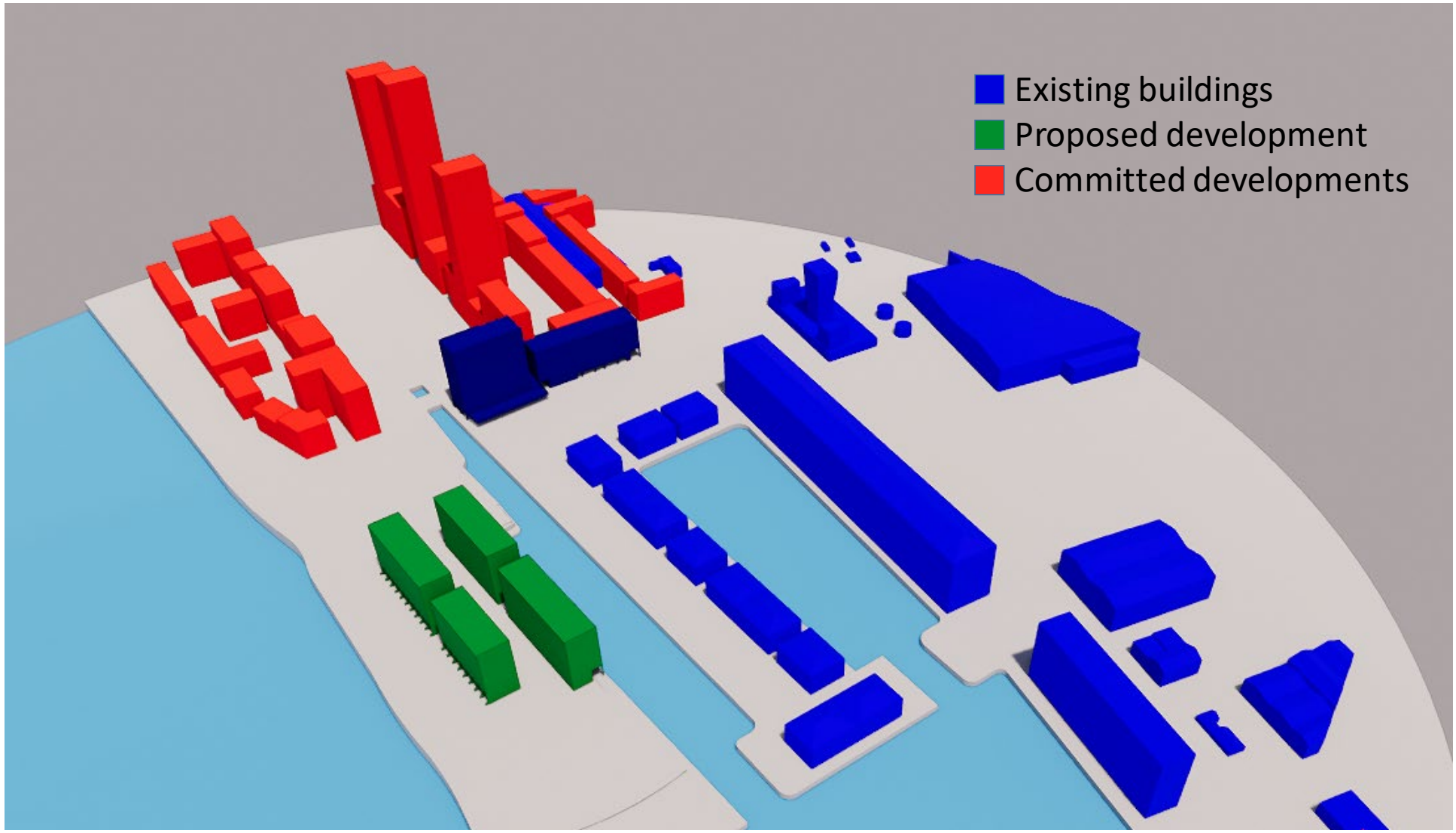


Figure 14.2 Model view, indicating existing, proposed and committed developments

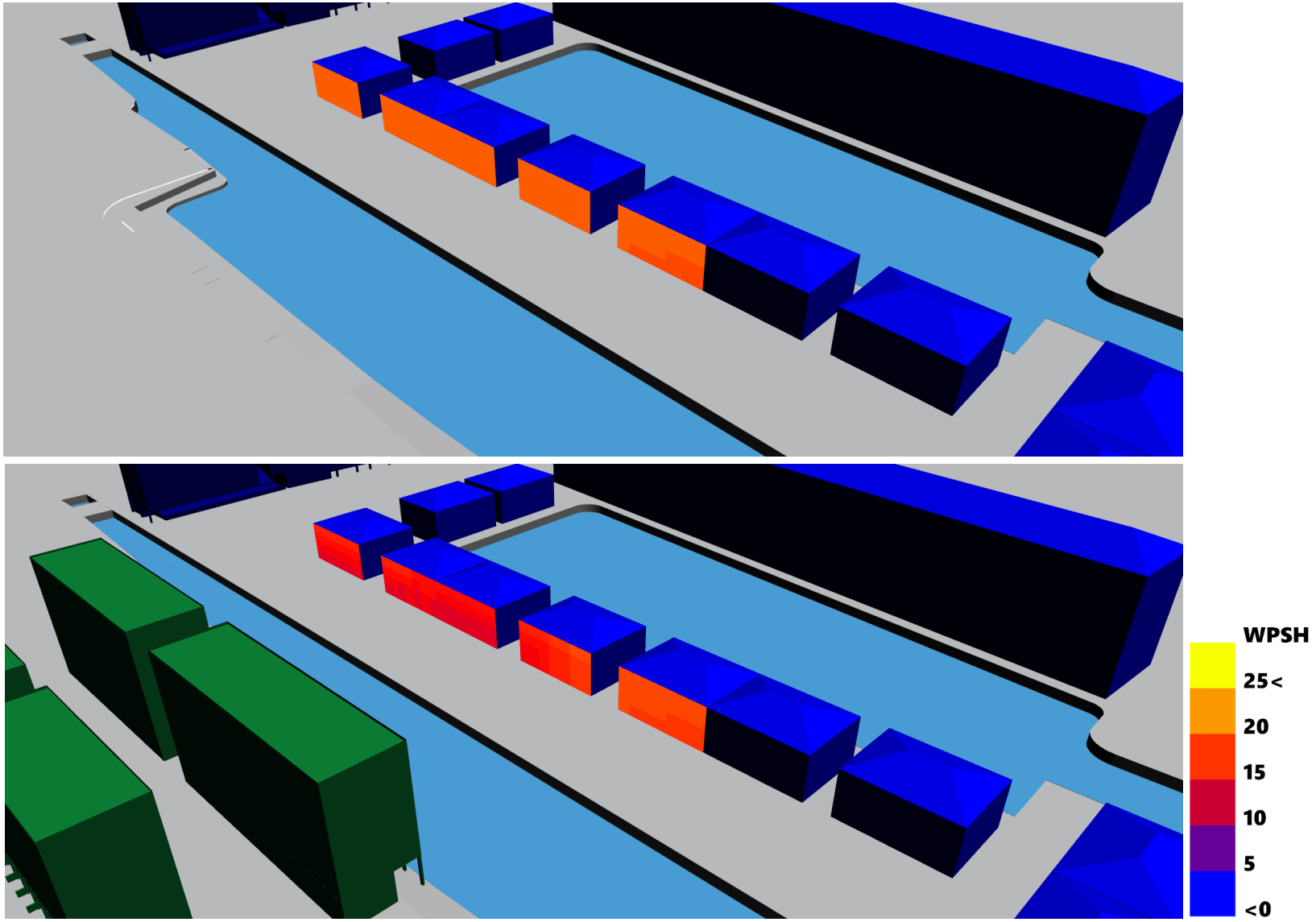


Figure 14.5 WPSH on existing dwellings pre and post-proposed development

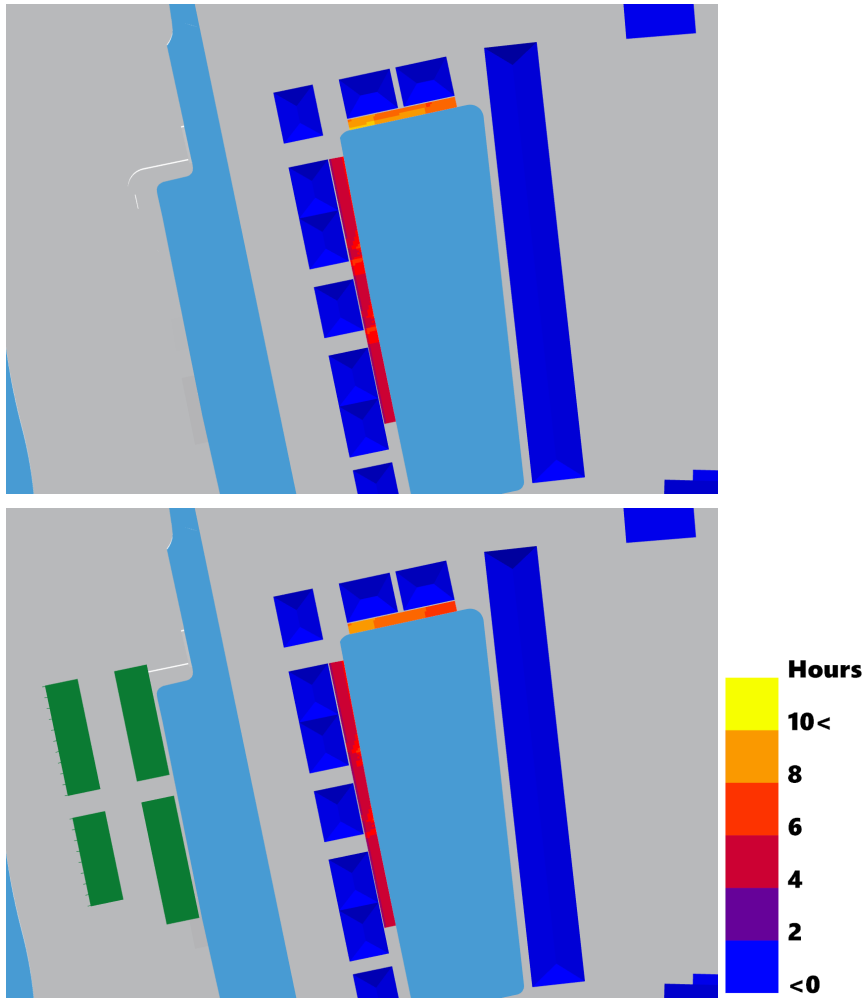


Figure 14.6 Hours of sunlight on existing amenity spaces pre and post-proposed development

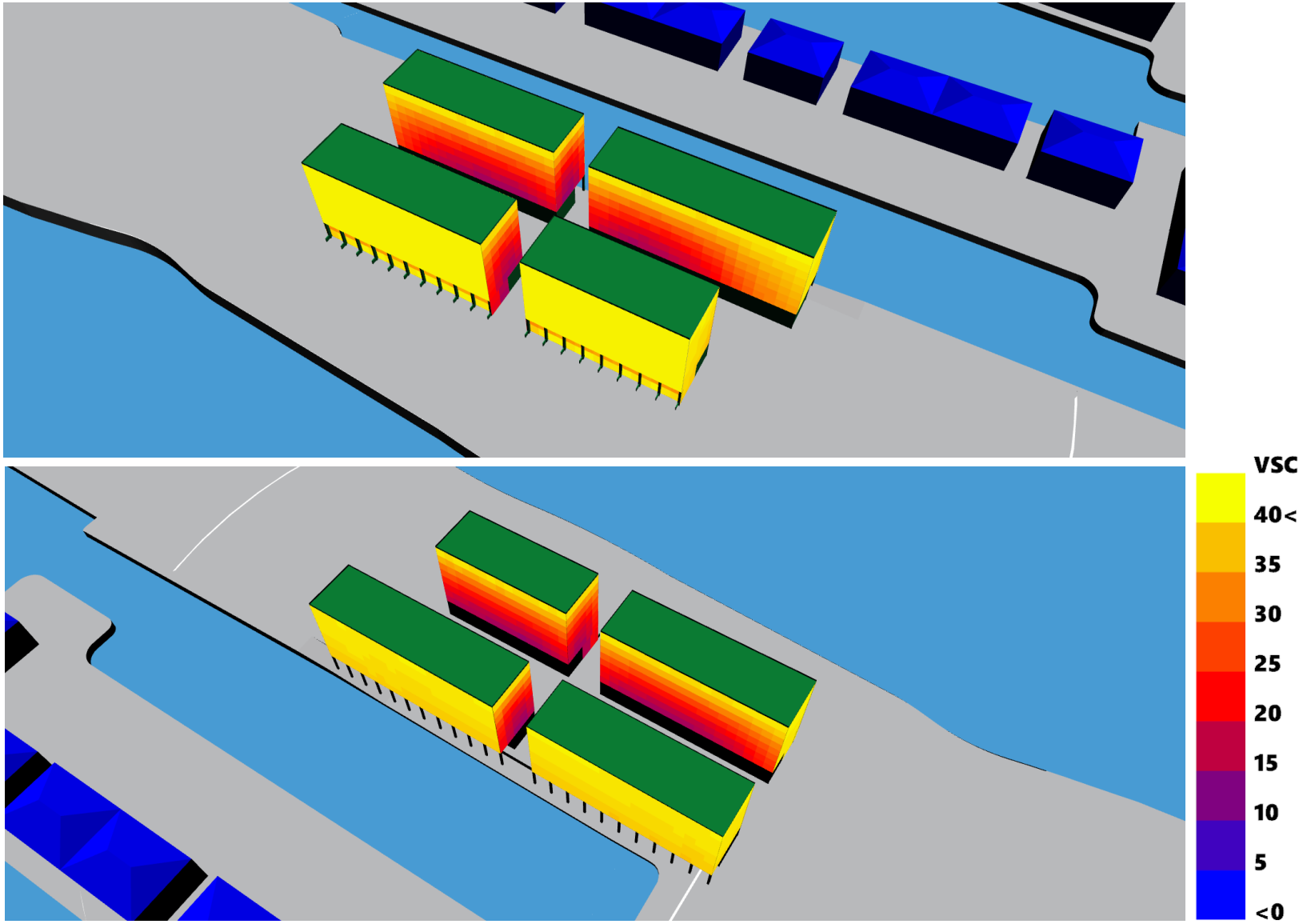


Figure 14.7 VSC within the proposed development

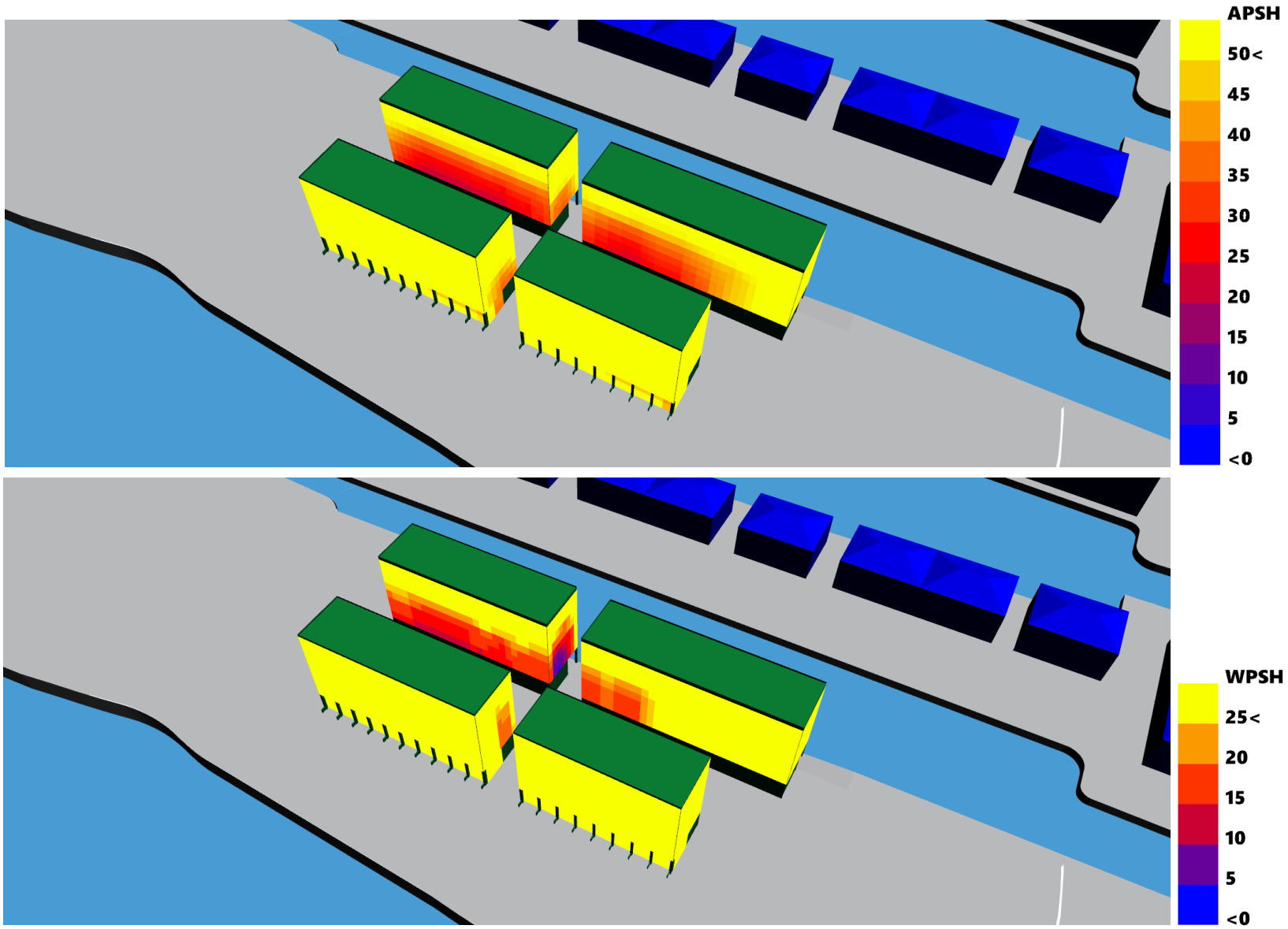


Figure 14.8 APSH and WPSH within the proposed development

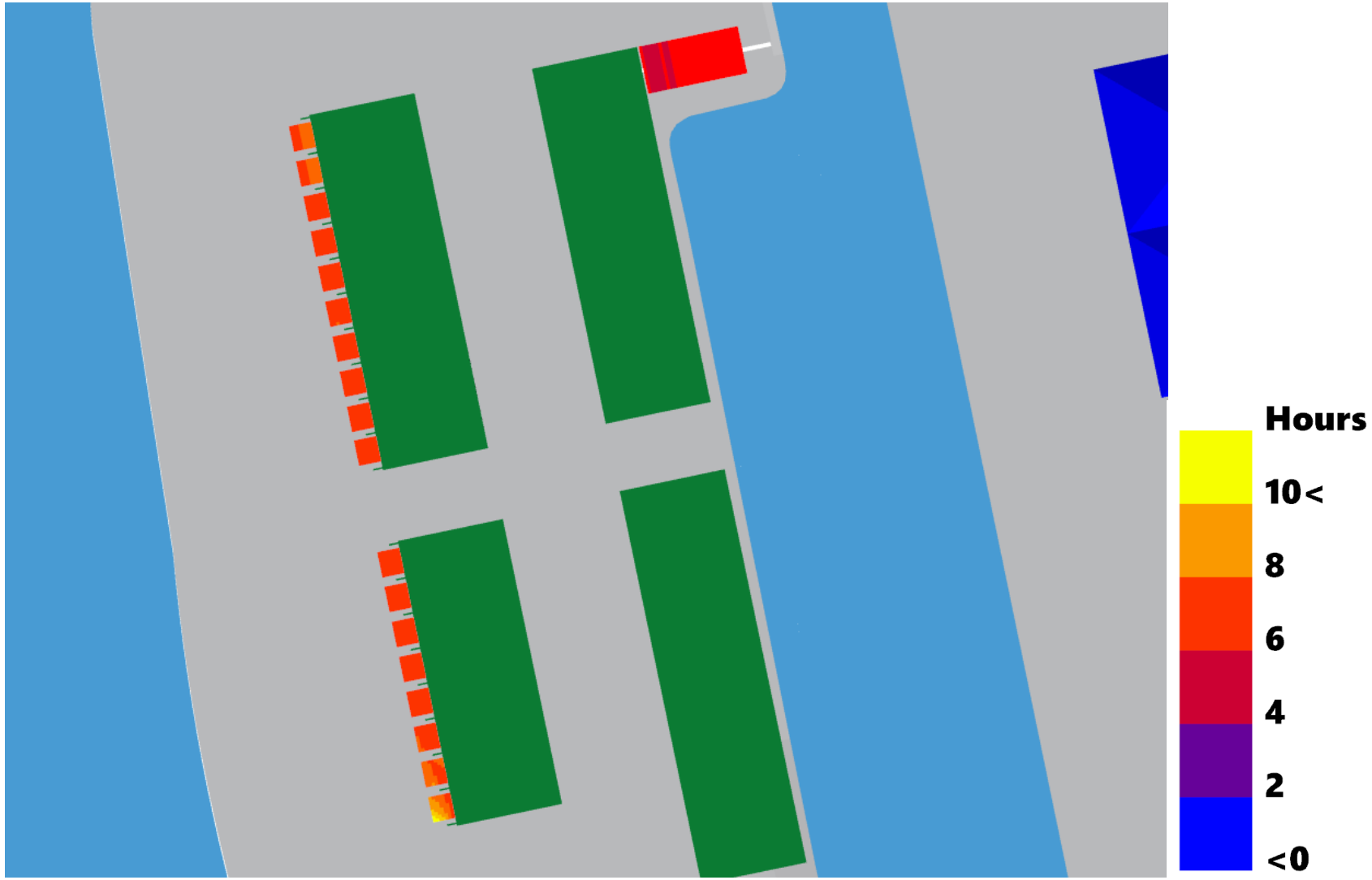
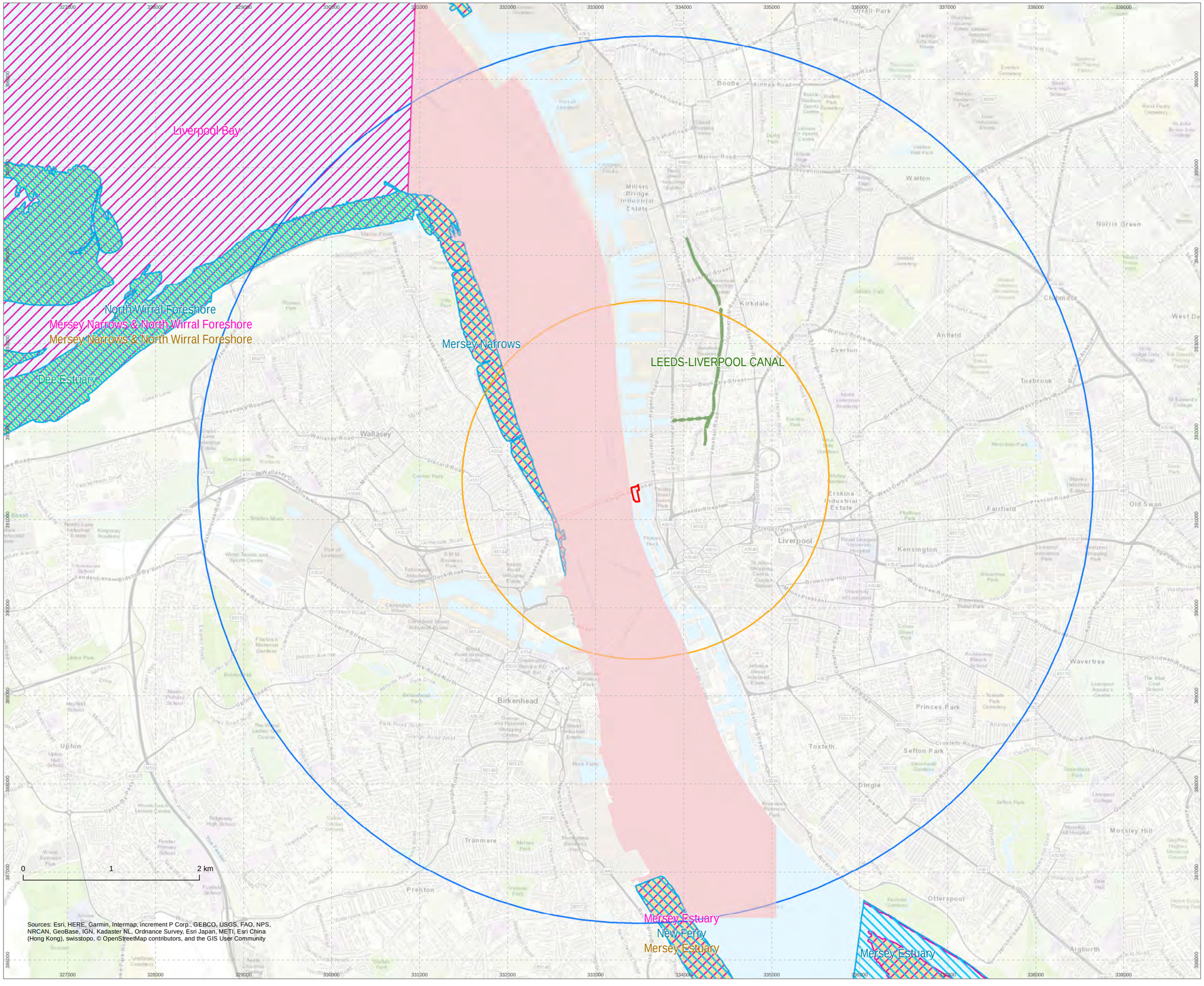


Figure 14.9 Hours of sunlight on proposed amenity spaces



C128844-ES-01

Legend

- Application boundary
- 2 km radius from application boundary
- 5 km radius from application boundary
- Special Area of Conservation (SAC)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area (SPA)
- Liverpool Bay SPA Extension (site re-classified 2017)
- Ramsar
- Local Wildlife Site (approximate extent from OS Vectormap)

N

Project	C02 Central Docks, Liverpool Waters
Drawing	Nature Conservation Sites
Client	Romal Capital Ltd
Drawing Number: C128844-ES-01	Revision: 00
Scale @ A3: 1:40,000	Date: November 2018
Approved By: HT	Drawn By: GT

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Figure 15.1 - Natural Conservation Sites