

Figure 8.1 Annual wind rose from Manchester Airport (plotted from 25 years of historical weather data).

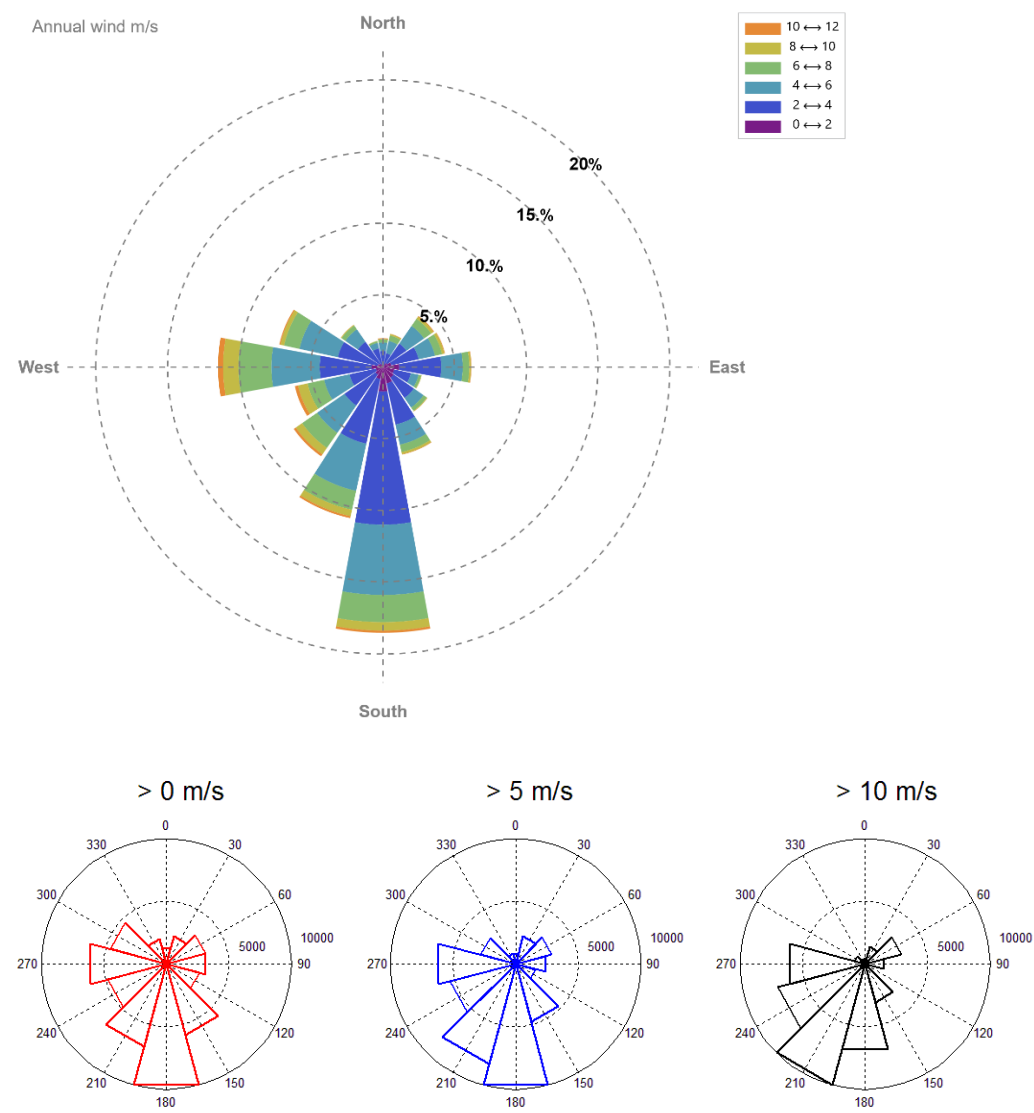


Figure 8.2 Aerial view of the site and existing surroundings including a 300m radius from the site.

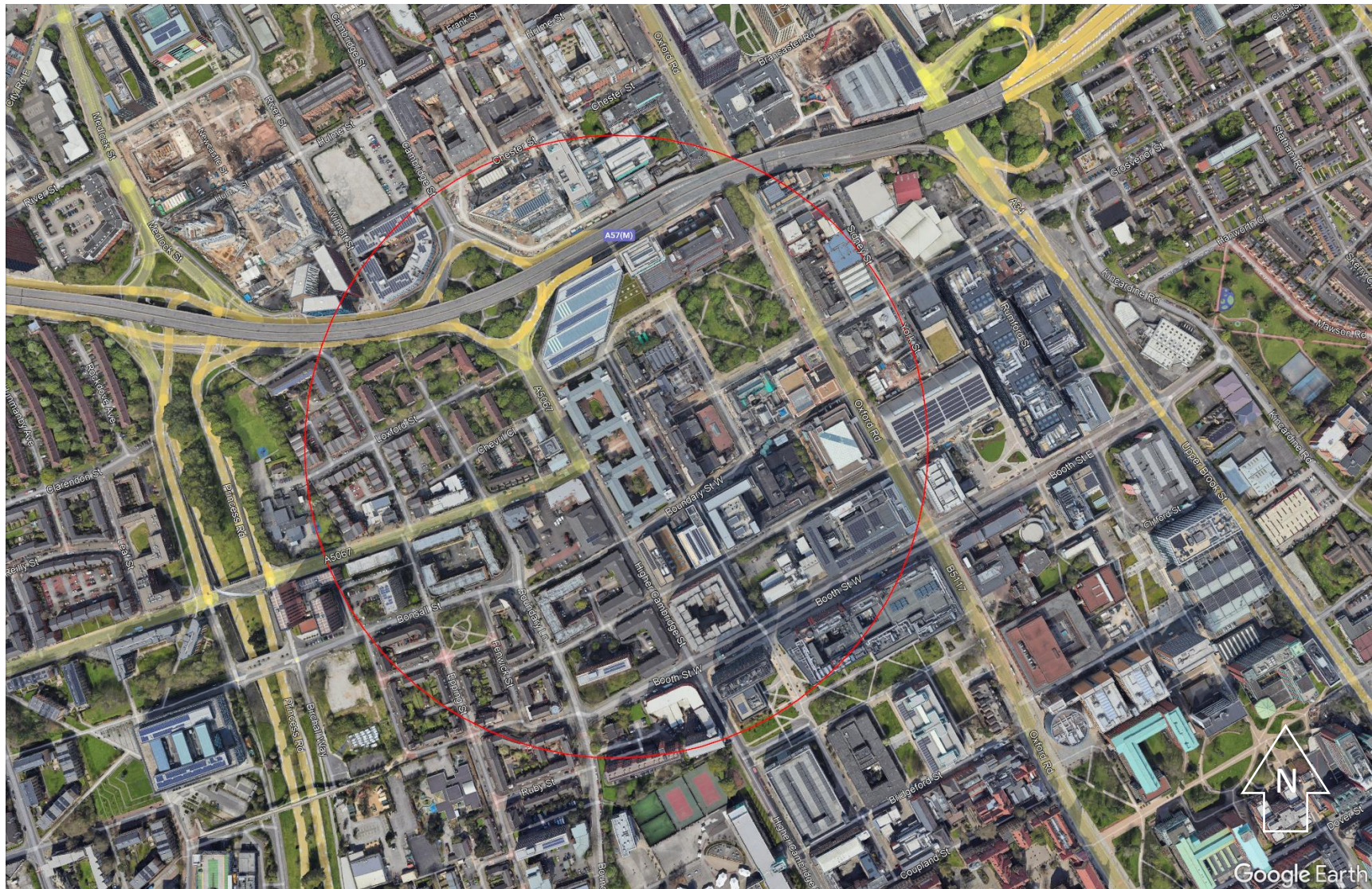


Figure 8.3 Aerial view of the site and existing surroundings including a 300m radius from the site.

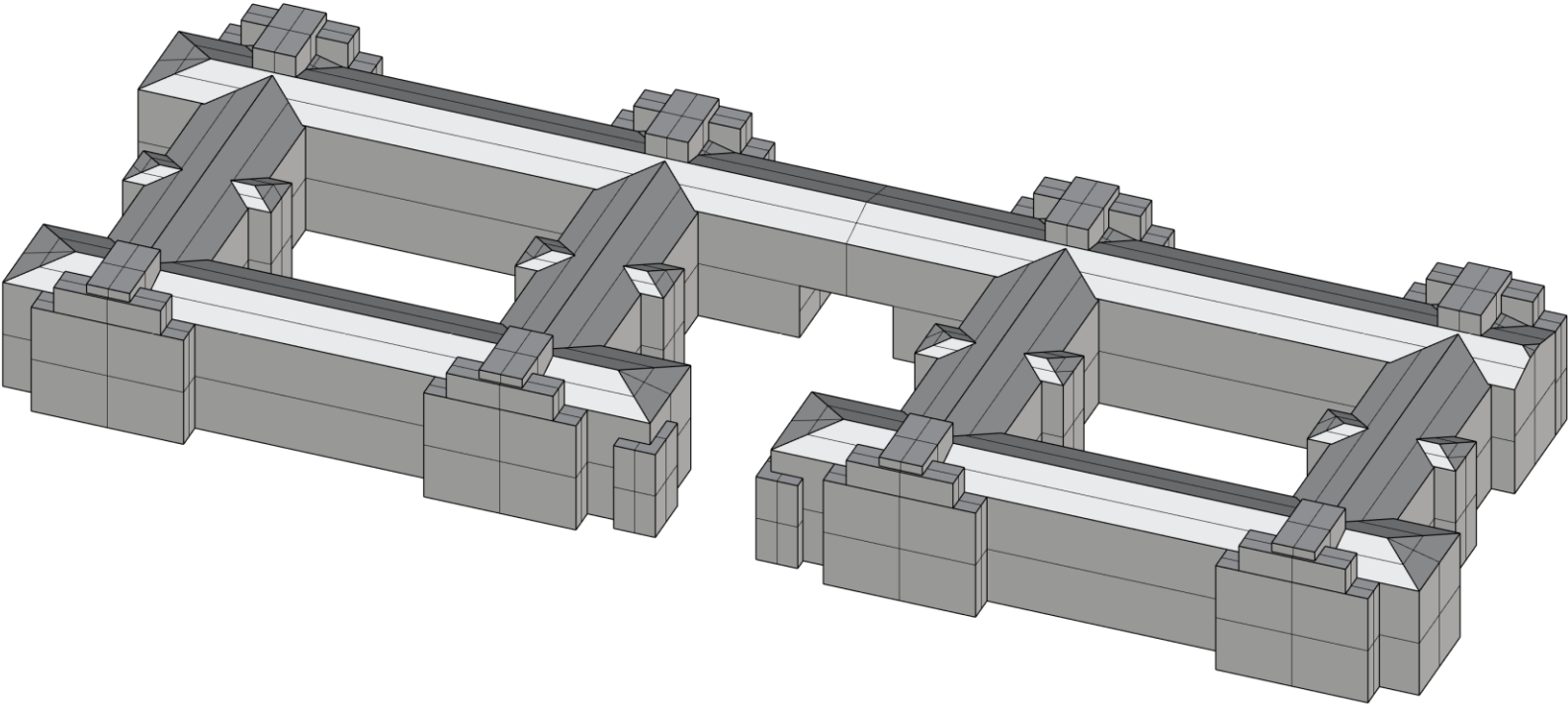


Figure 8.4 View of the existing site and surroundings modelled in the assessment of the existing baseline.



Figure 8.5 Plot of the Lawson comfort results for the existing baseline (summer).

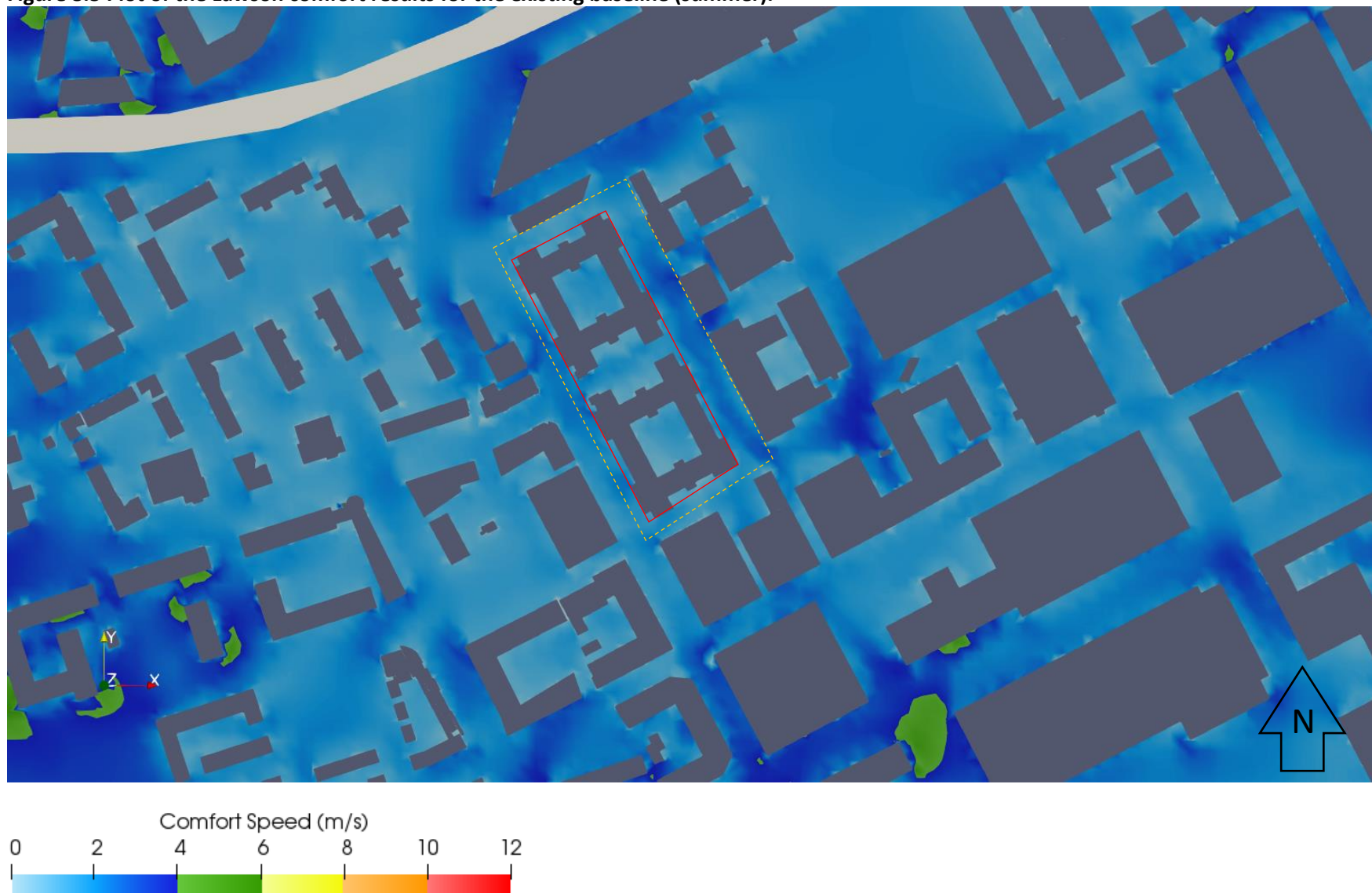


Figure 8.6 Plot of the Lawson comfort results for the existing baseline (worst-case).

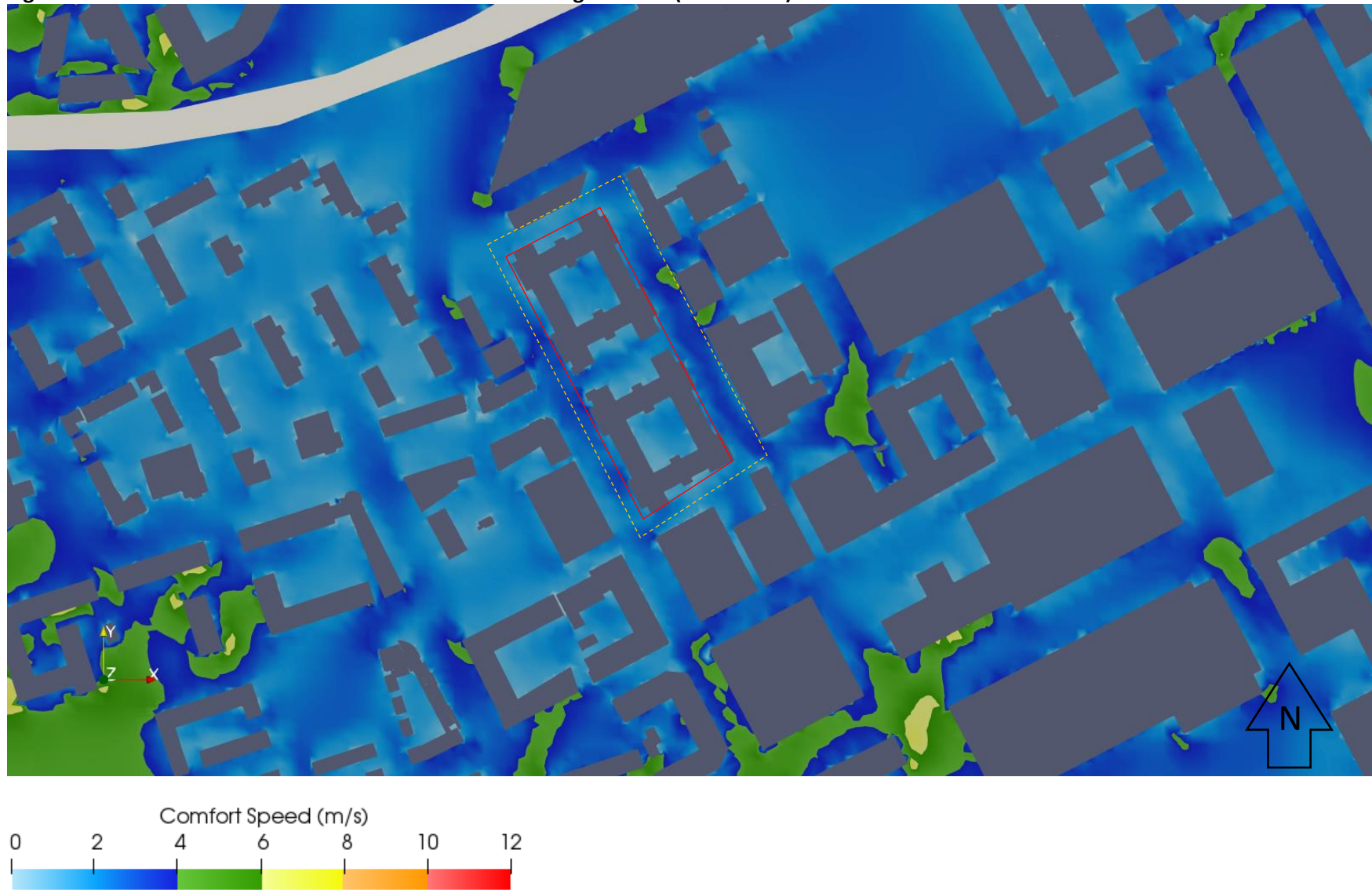


Figure 8.7 Plot of the annual Lawson safety results for the existing baseline.

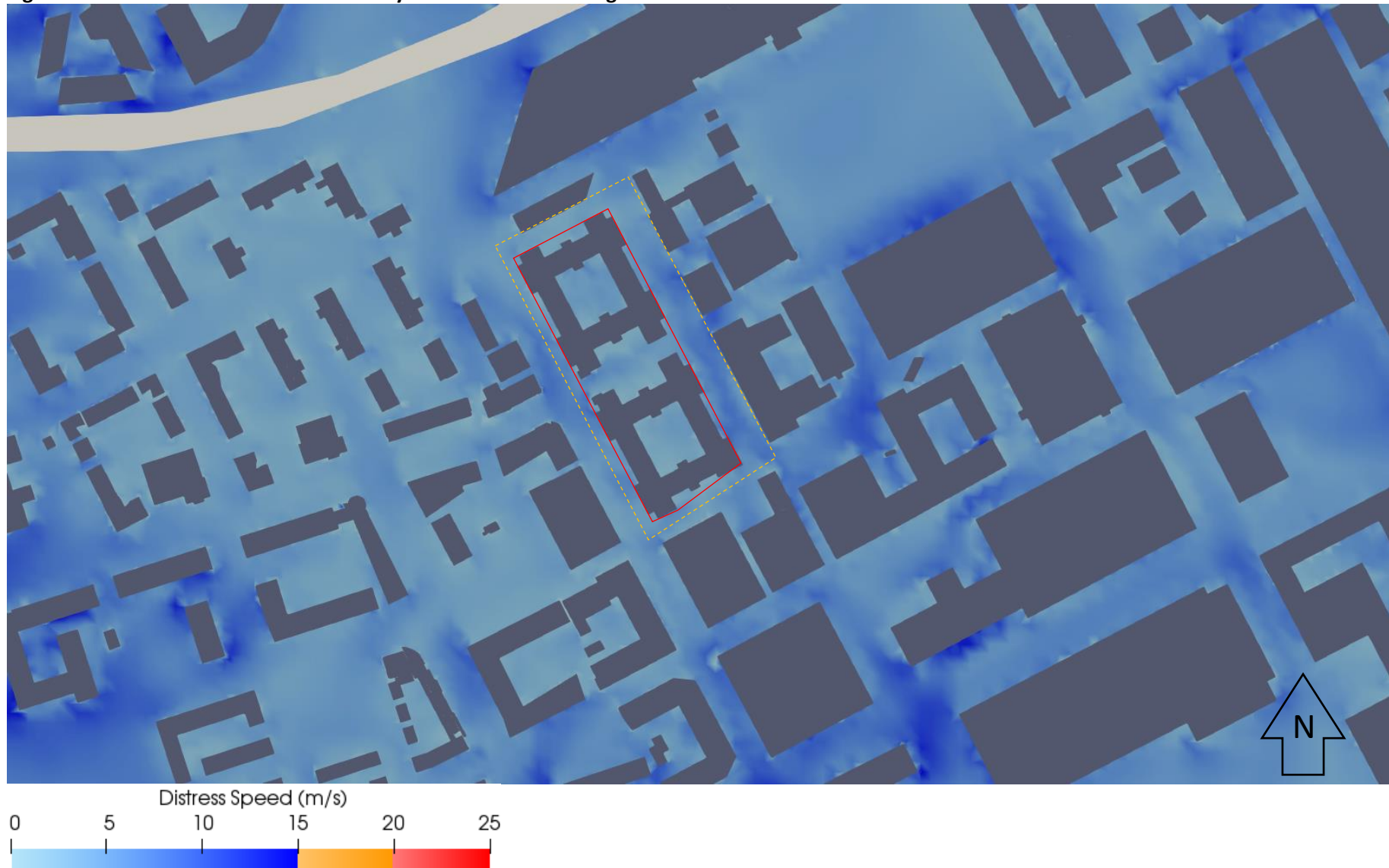


Figure 8.8 Ground floor plan showing areas of sensitive receptors including external entrance locations.



Figure 8.9 Level 01 plan showing areas of sensitive receptors including external entrance locations.

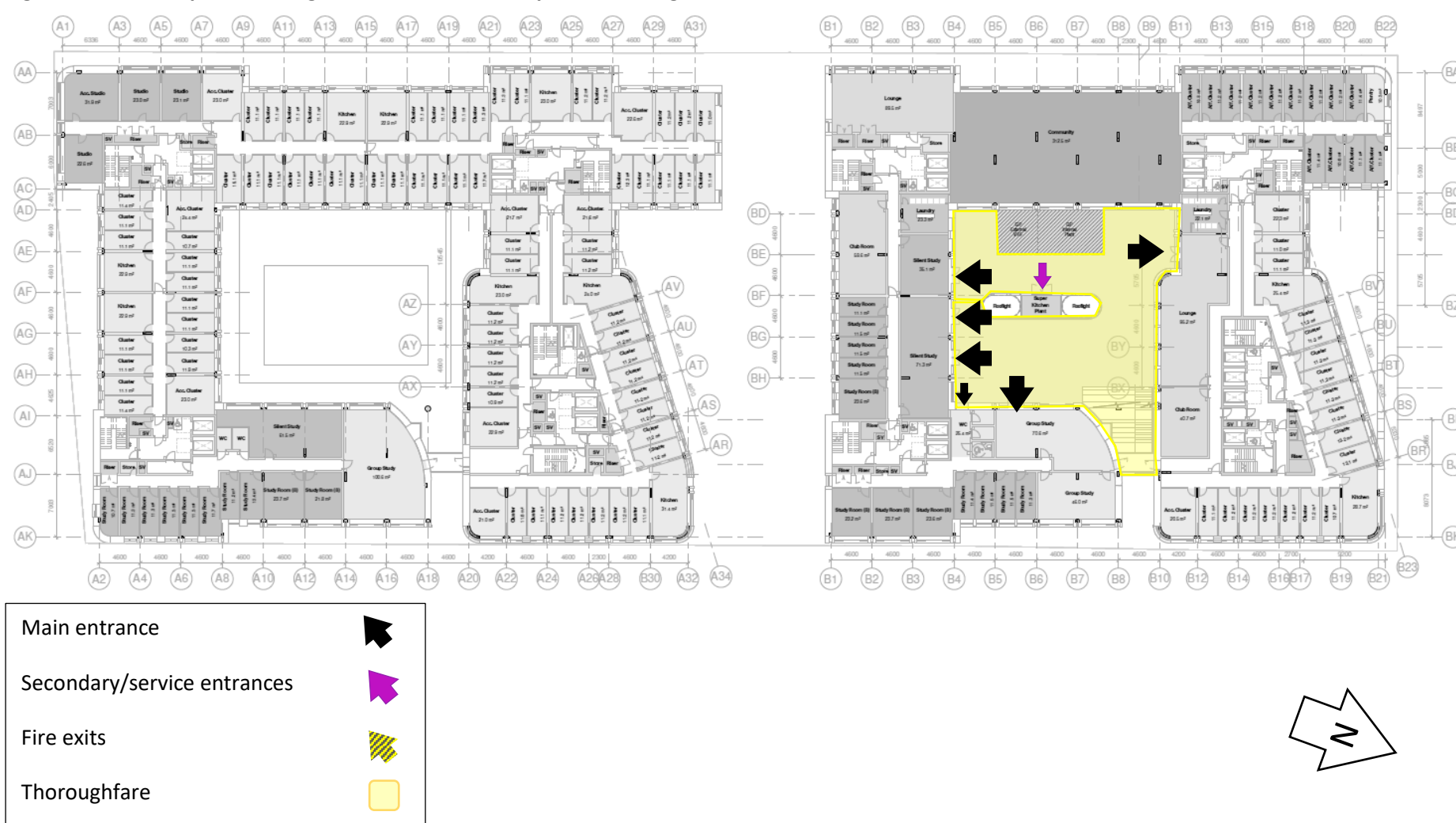


Figure 8.10 Level 07 plan (podium) showing areas of sensitive receptors including external entrance locations.

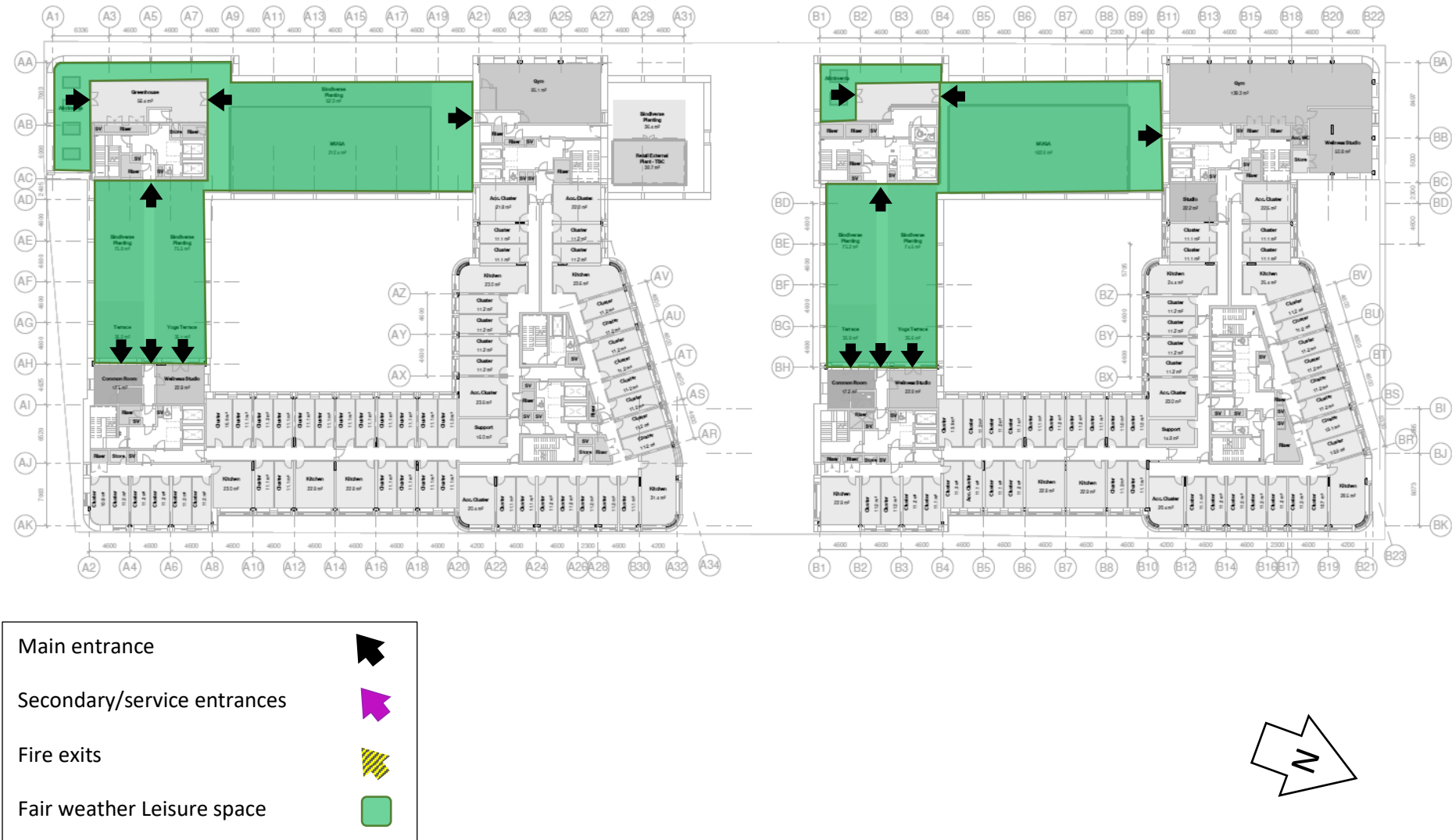


Figure 8.11 View of the 3D geometry tested with the Proposed Development and existing surroundings modelled.

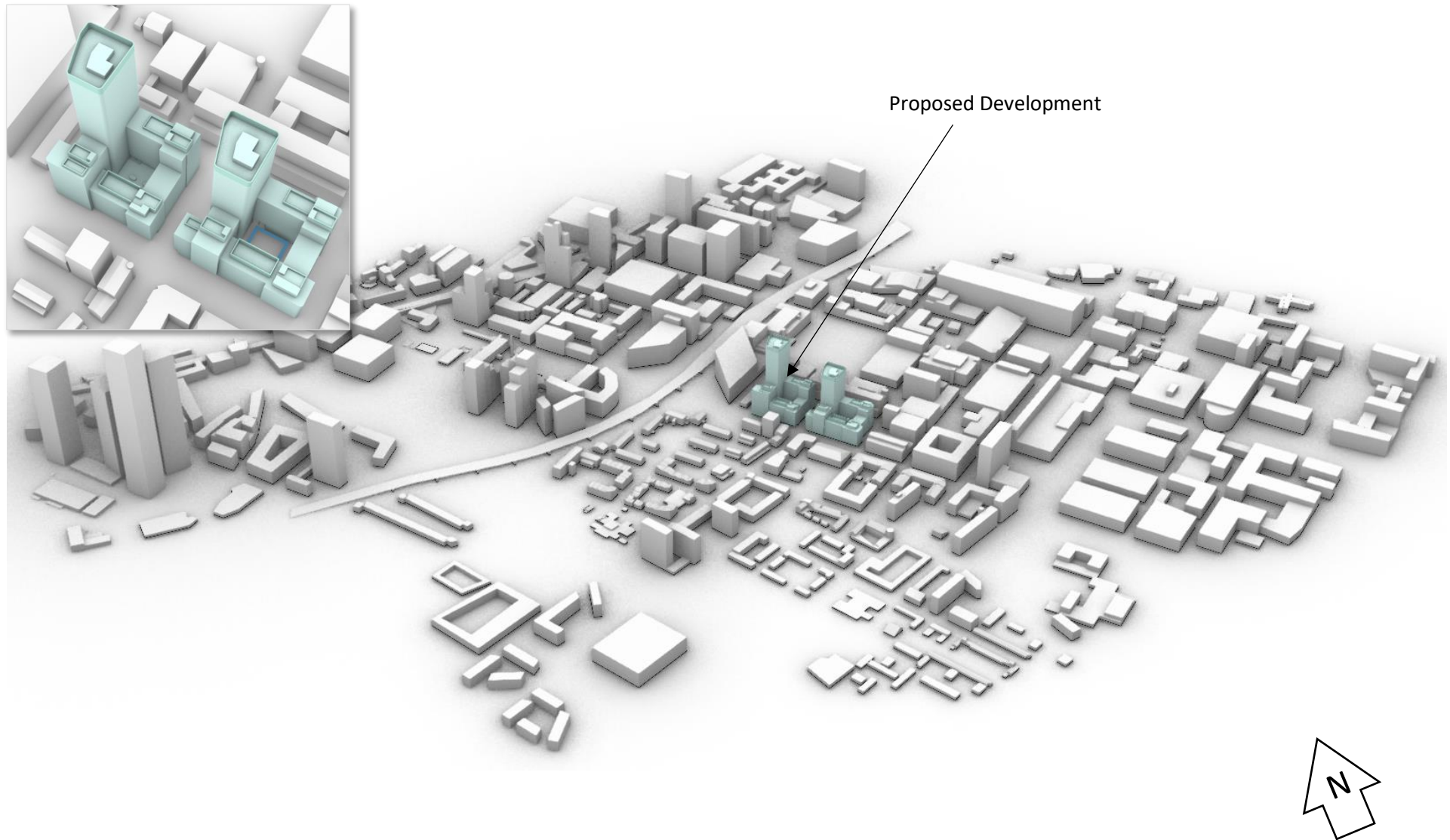


Figure 8.12 Plot of the Lawson comfort results for the Proposed Development with existing surroundings (summer).

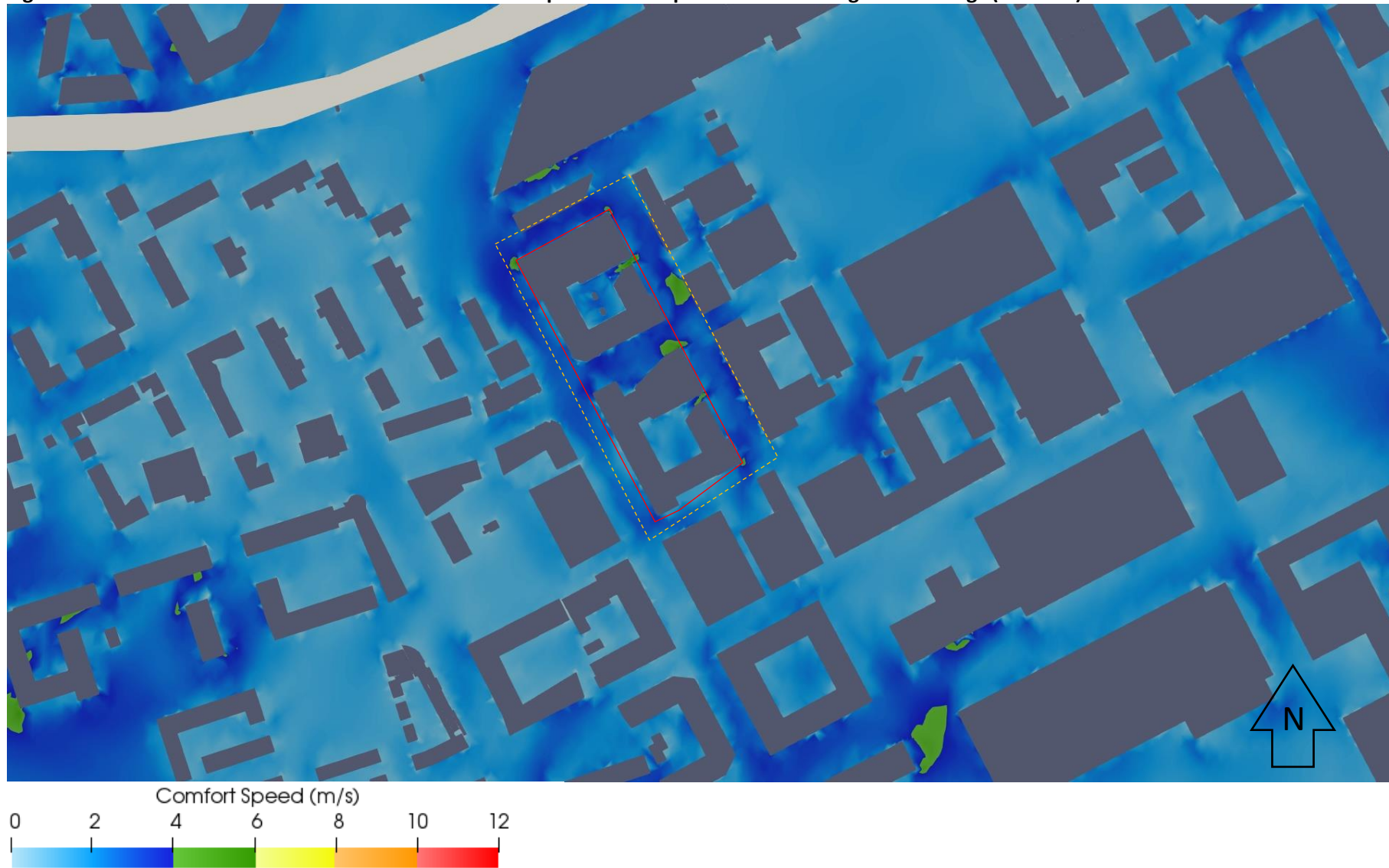


Figure 8.13 Plot of the Lawson comfort results for the Proposed Development with existing surroundings (worst-case).

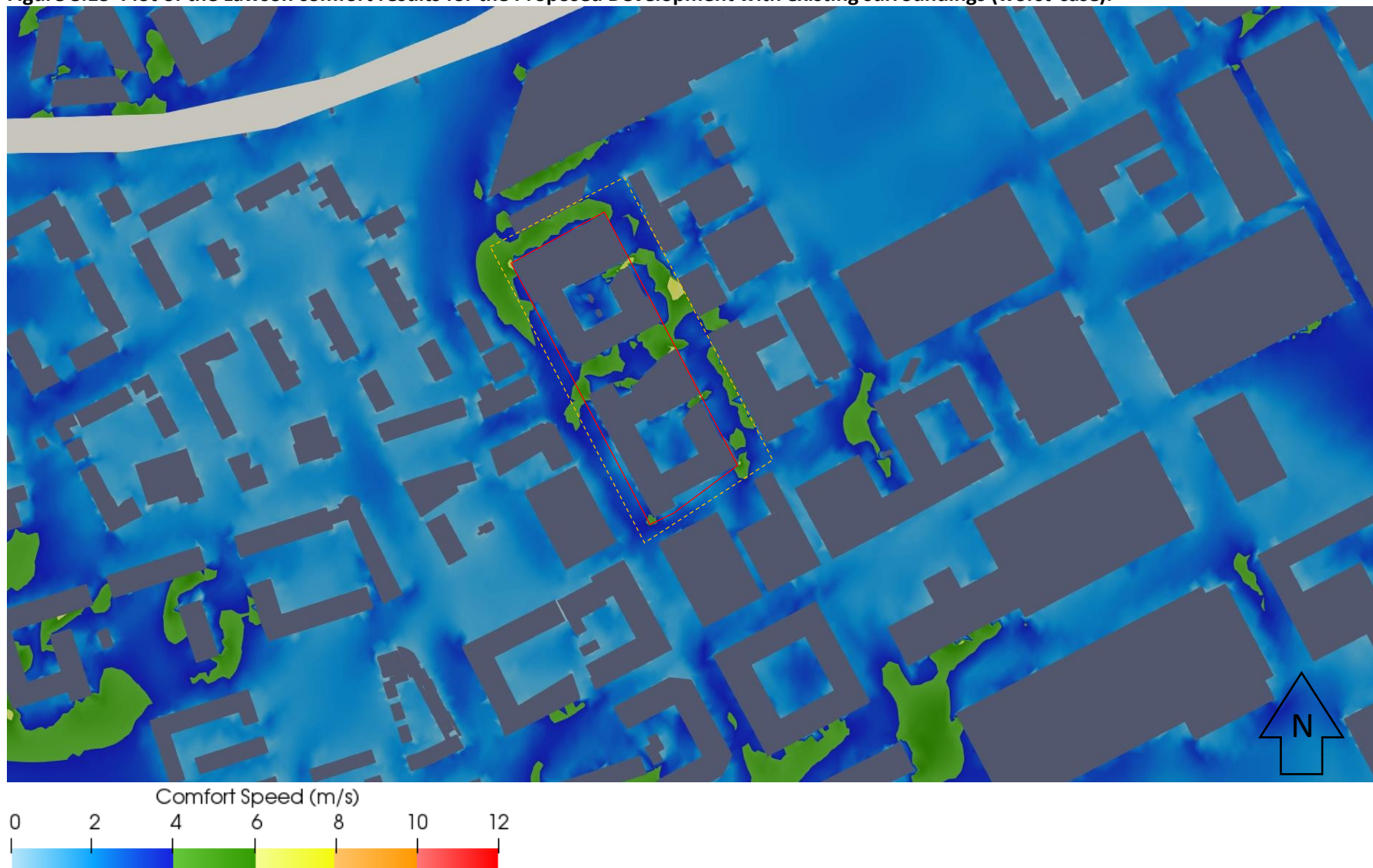


Figure 8.14 Plot of the annual Lawson safety results for the Proposed Development in existing surroundings.

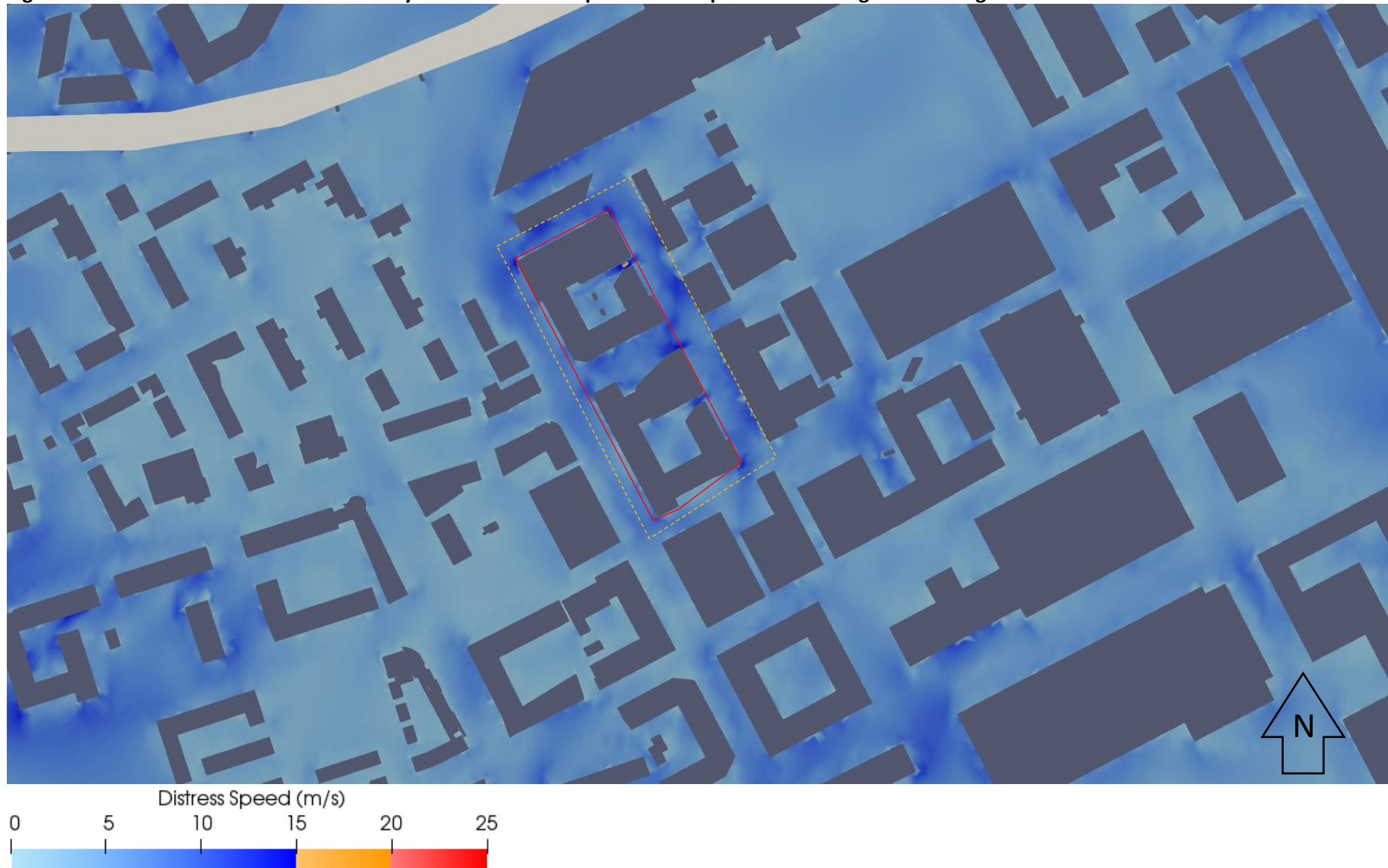


Figure 8.15 Plot of the Lawson comfort results for the Proposed Development upper terraces, in existing surroundings in summer.

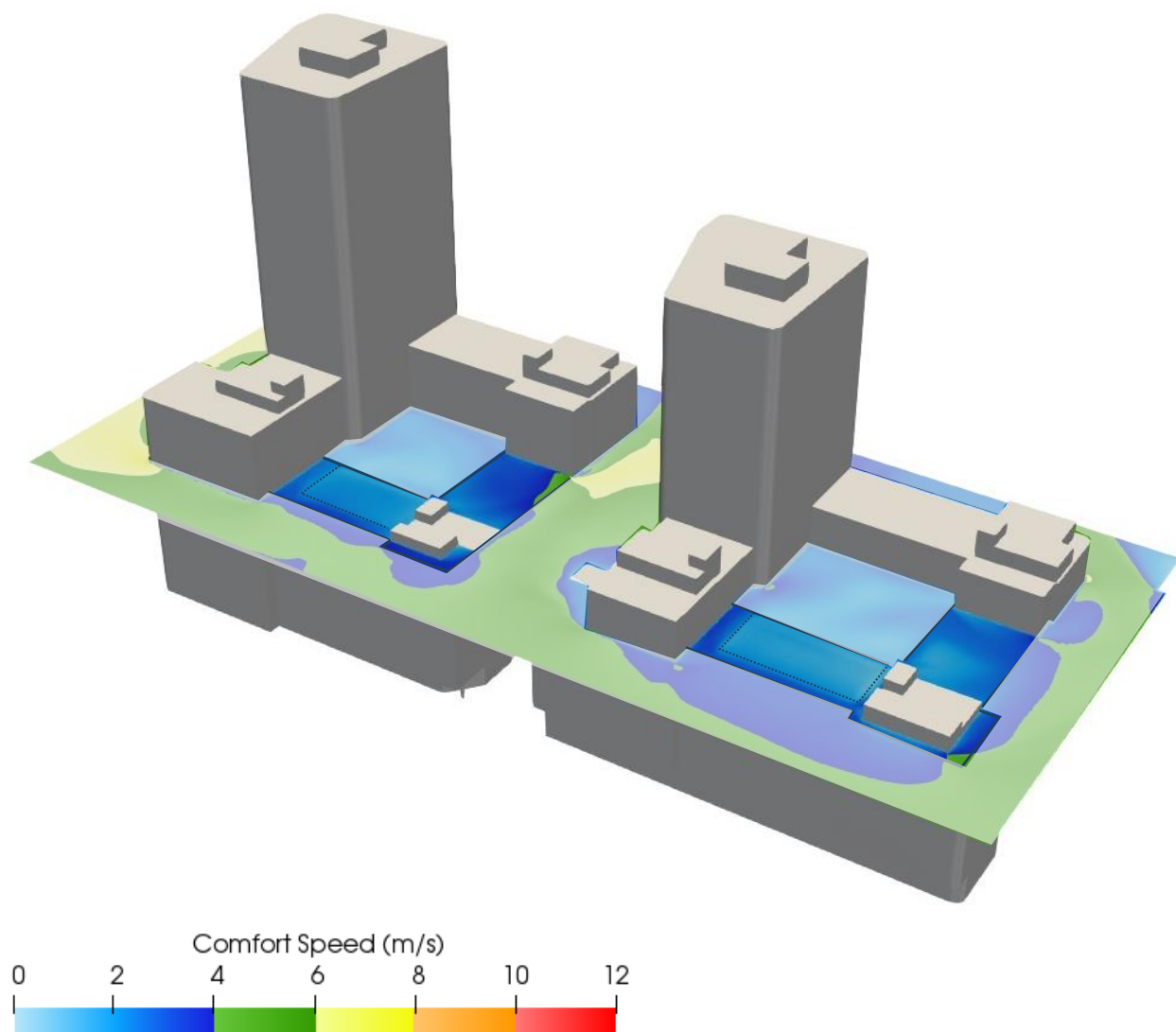
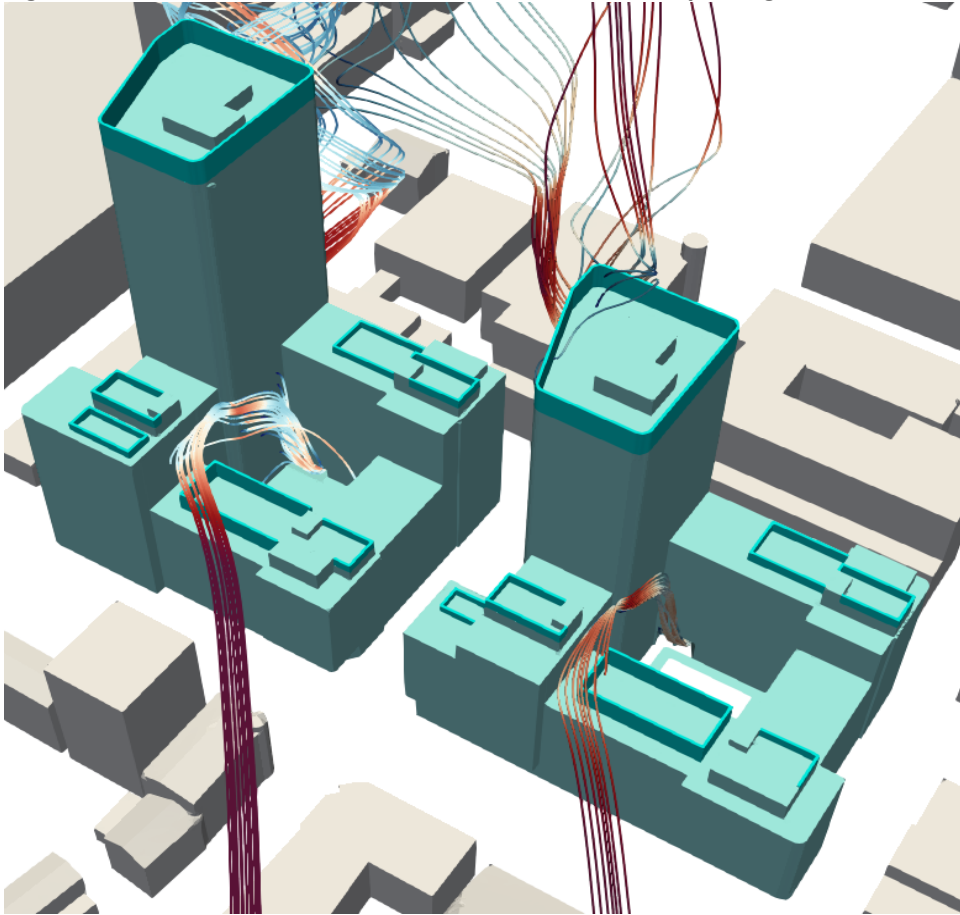


Figure 8.16 Streamlines and 3D visuals of the air flow impacting conditions in the underpasses to Phases 01 and 02



Lower Chatham St Entrances

Figure 8.17 View of the 3D geometry tested with the Proposed Development and existing surroundings modelled.

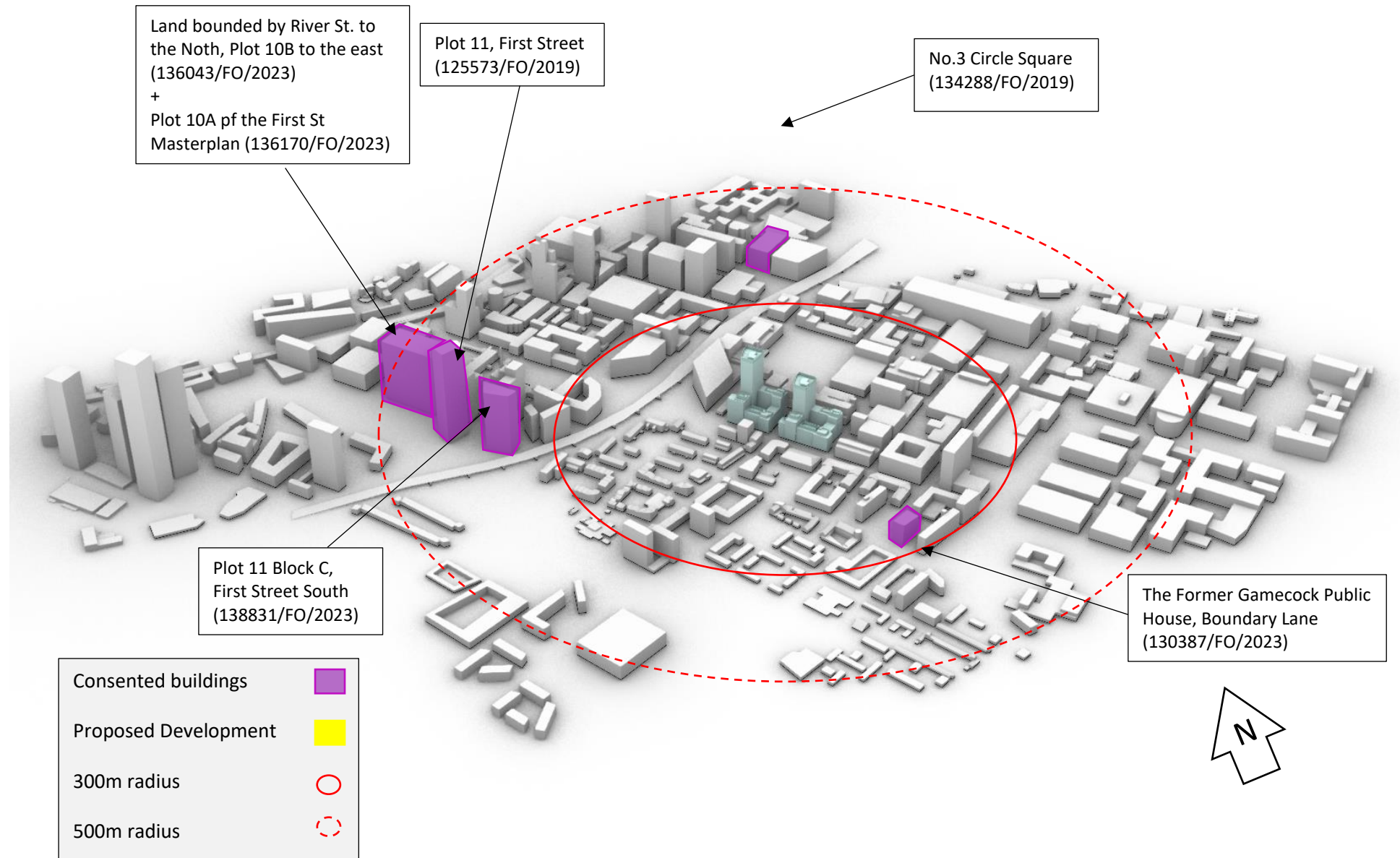


Figure 8.18 Plot of the Lawson comfort results for the Proposed Development with future surroundings (summer).

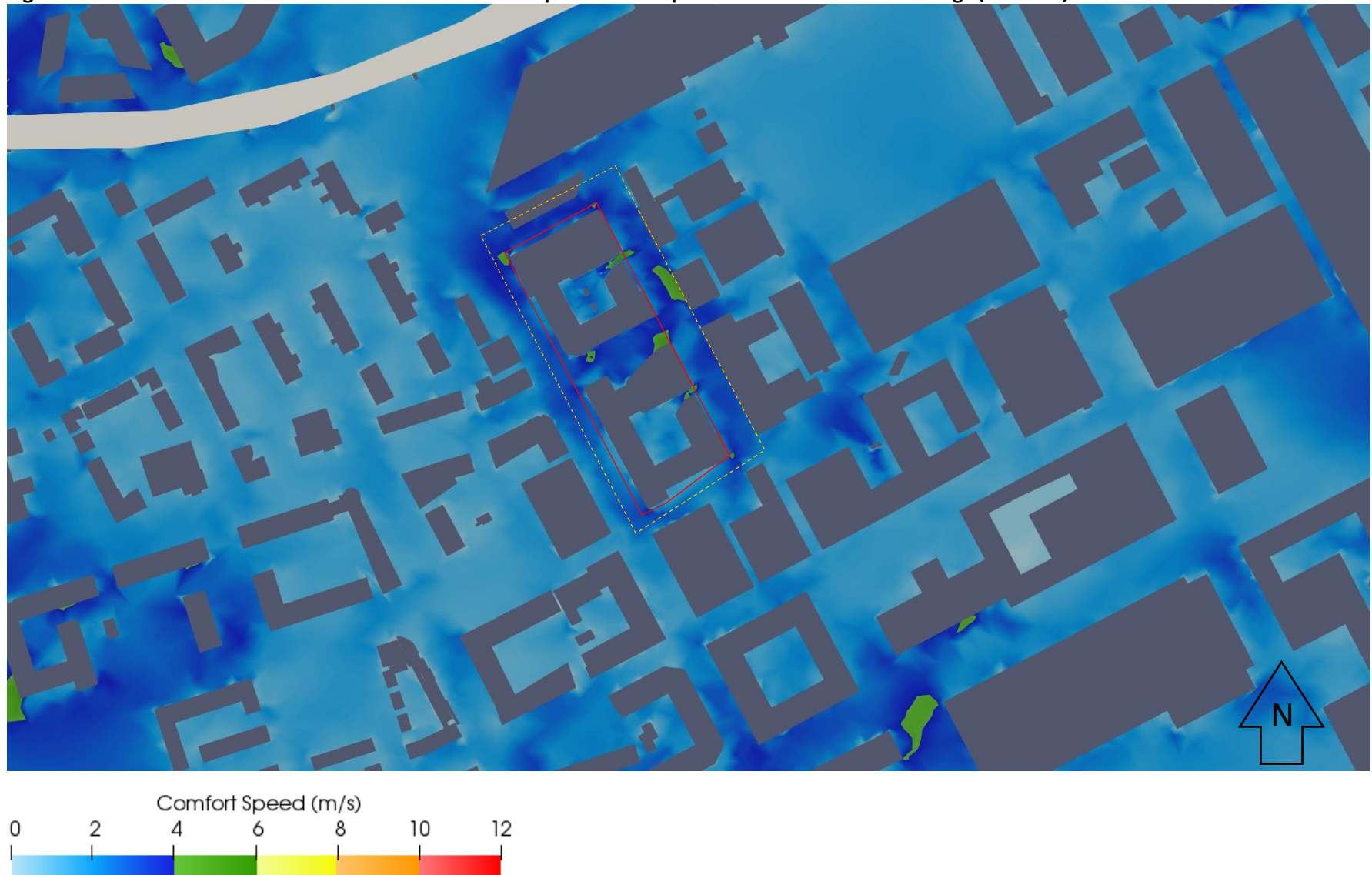


Figure 8.19 Plot of the Lawson comfort results for the Proposed Development with future surroundings (worst-case).

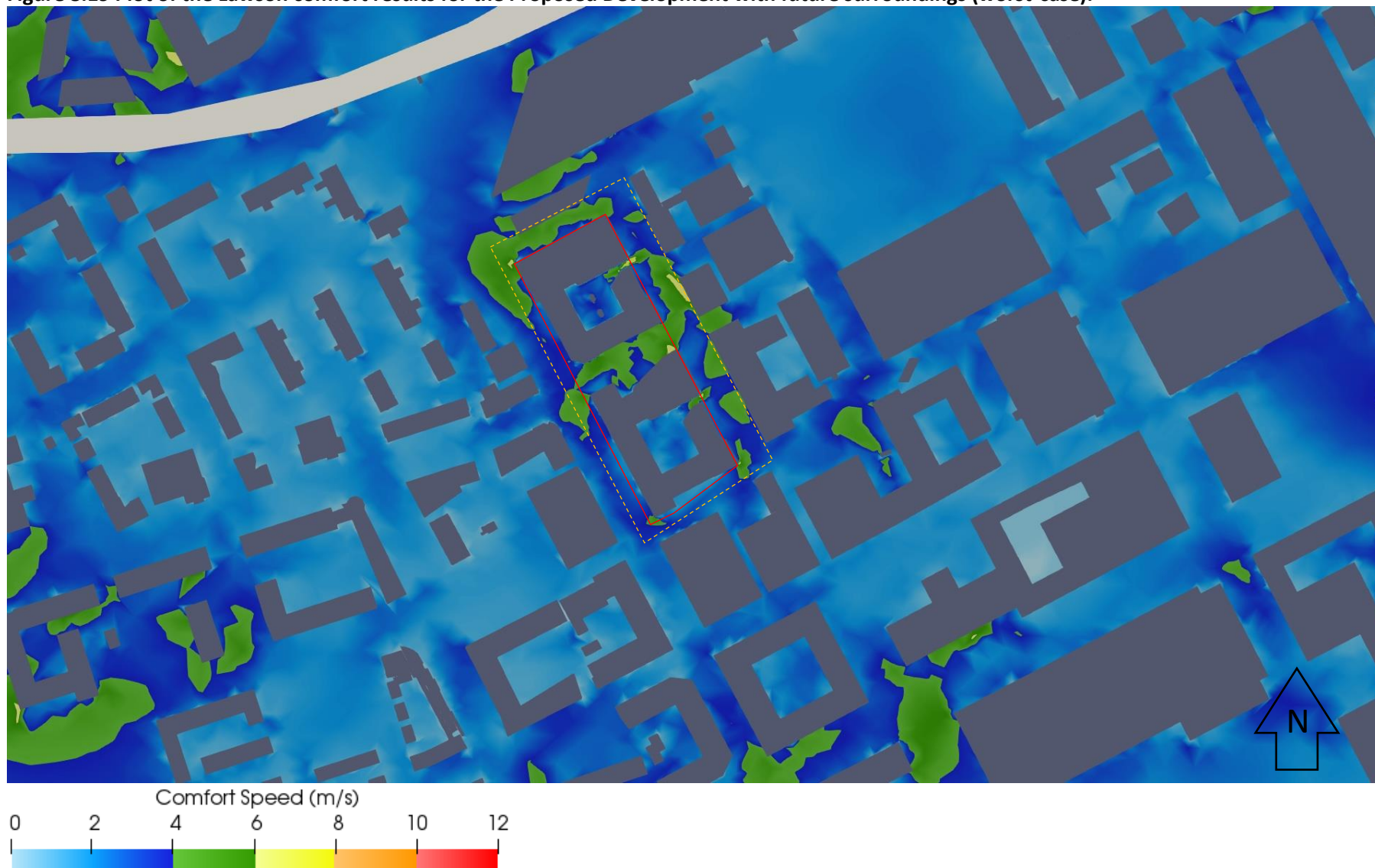


Figure 8.20 Plot of the annual Lawson safety results for the Proposed Development in future surroundings.

