

NEW CITY COURT

Environmental Statement Part 2 - Figures

Waterman Infrastructure & Environment



Client Name:GPE (St Thomas Street) LimitedDocument Reference:WIE11375_ES_1.3.1Project Number:WIE11375-103

Quality Assurance – Approval Status

This document has been prepared and checked in accordance with Waterman Group's IMS (BS EN ISO 9001: 2008, BS EN ISO 14001: 2004 and BS OHSAS 18001:2007)

Issue	Date	Prepared by
Final	April 2021	Various

Checked by Ellen Smith Principal Consultant Approved by Steve Brindle Senior Associate

Sibier

Comments



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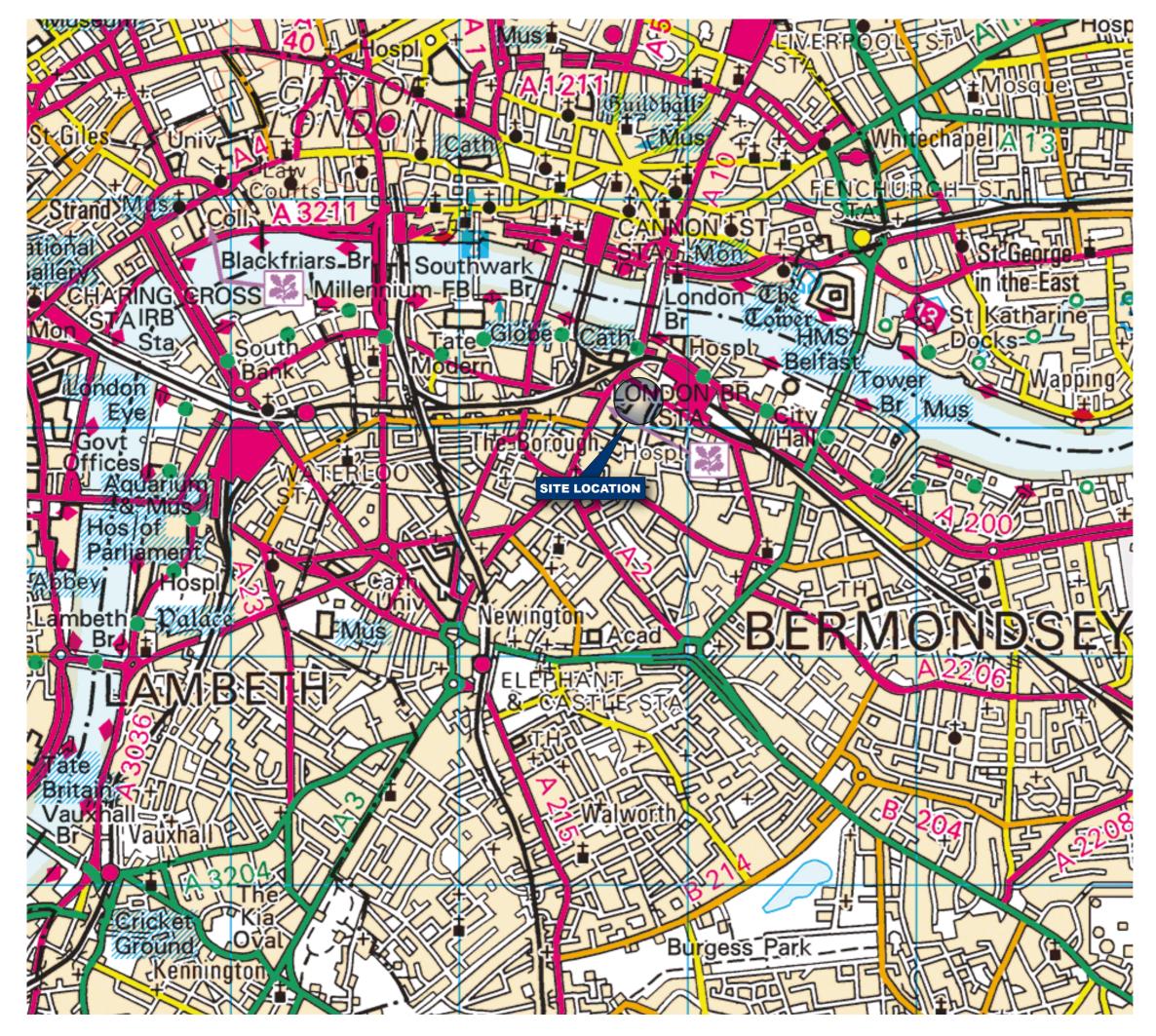
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Selection of Planning Application Drawings



UK and Ireland Office Locations









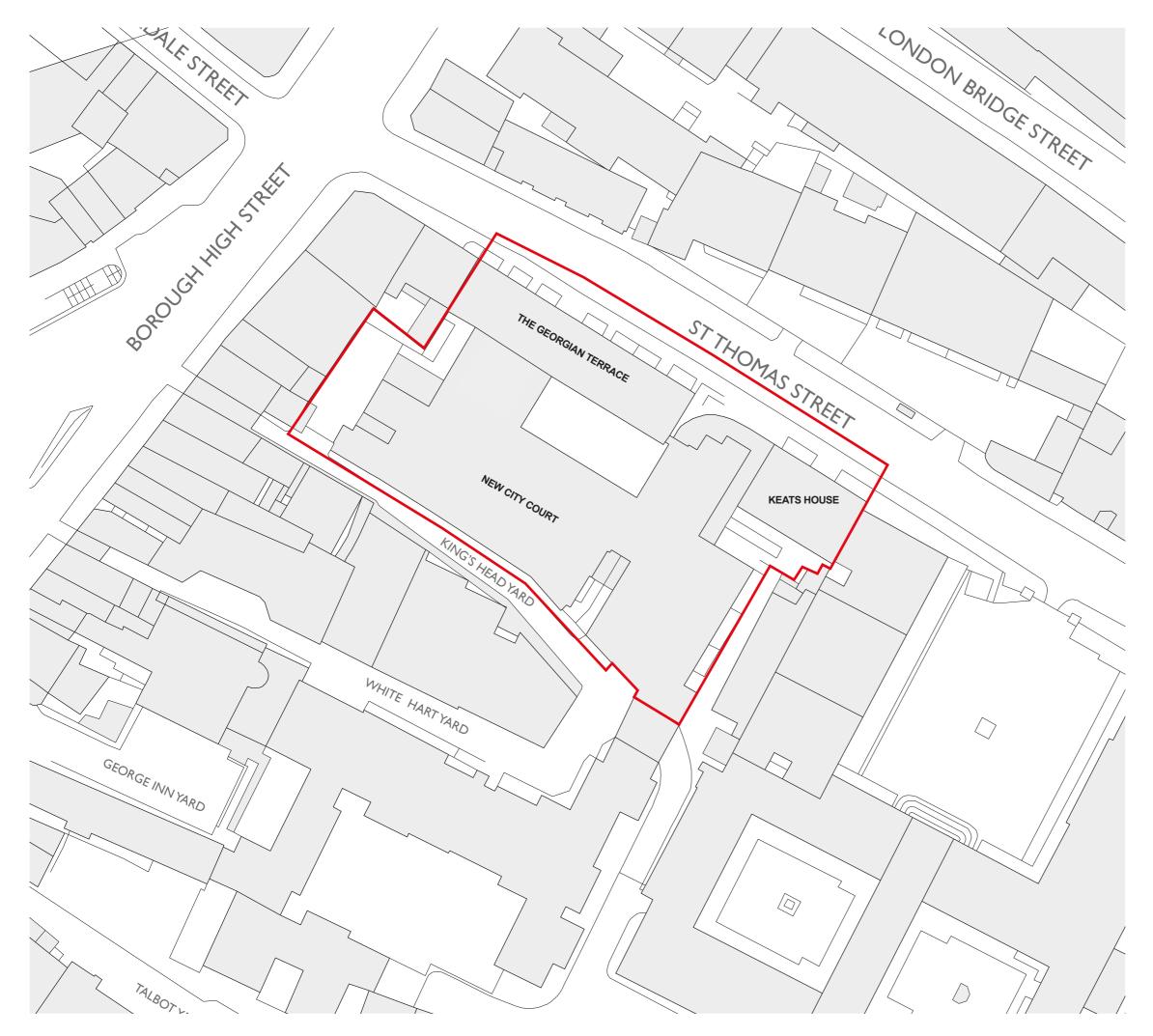
Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court

Figure 1.1: Site Location Plan

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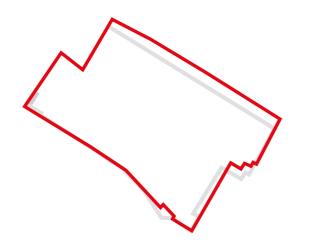
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WIE11375-103: New City Court

Figure 1.2: Planning Application Boundary

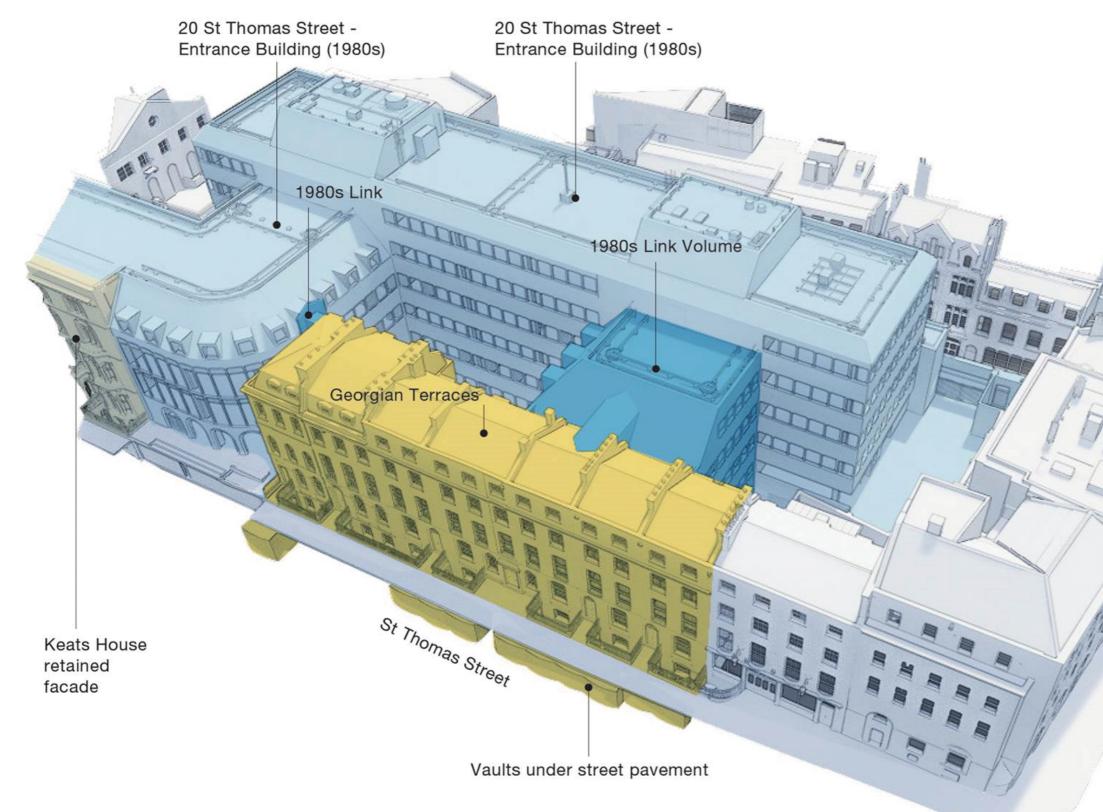
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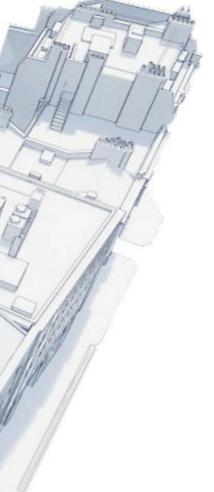


Fielden House (14/AP/1302) Demolition of existing buildings and erection of part 16 and part 26 storeys to provide residential and retail space.

Project Details	WIE11375-103: New City Court
Figure Title	Figure 3.1: Predominant Land Uses
Figure Ref	WIE11375-103_GR_ES_3.1A
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Project Details

Figure Title

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WIE11375-103: New City Court

Figure 3.2: Drawing of the Existing Site

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King's Head Yard
King's Head Courtyard
Gallery
St Thomas Square
St Thomas Passage
St Thomas Street
East Passage, Cycle & loading Bay



Project Details

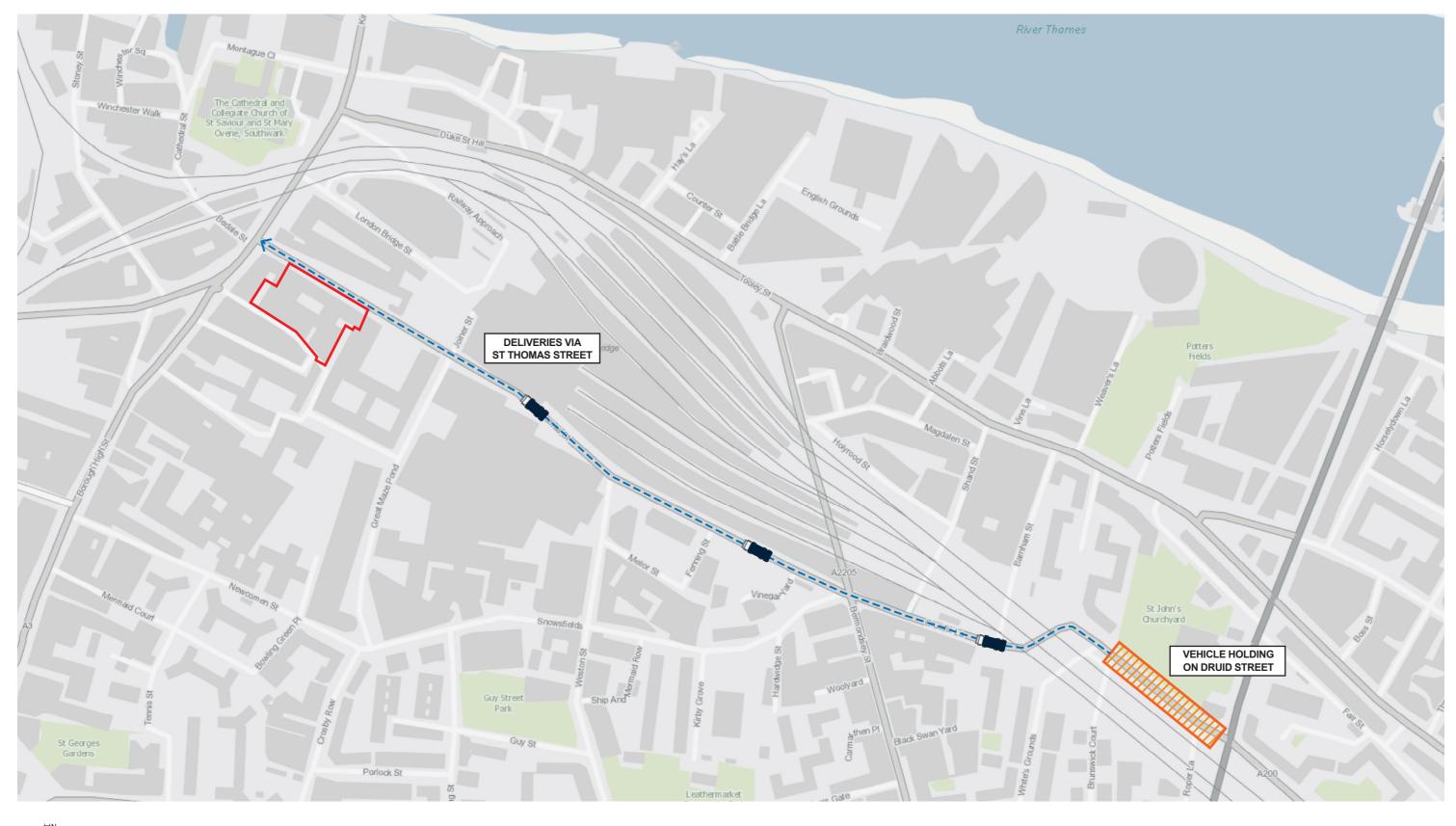
Figure Title

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Figure 5.1: Ground Floor Public Space Provision

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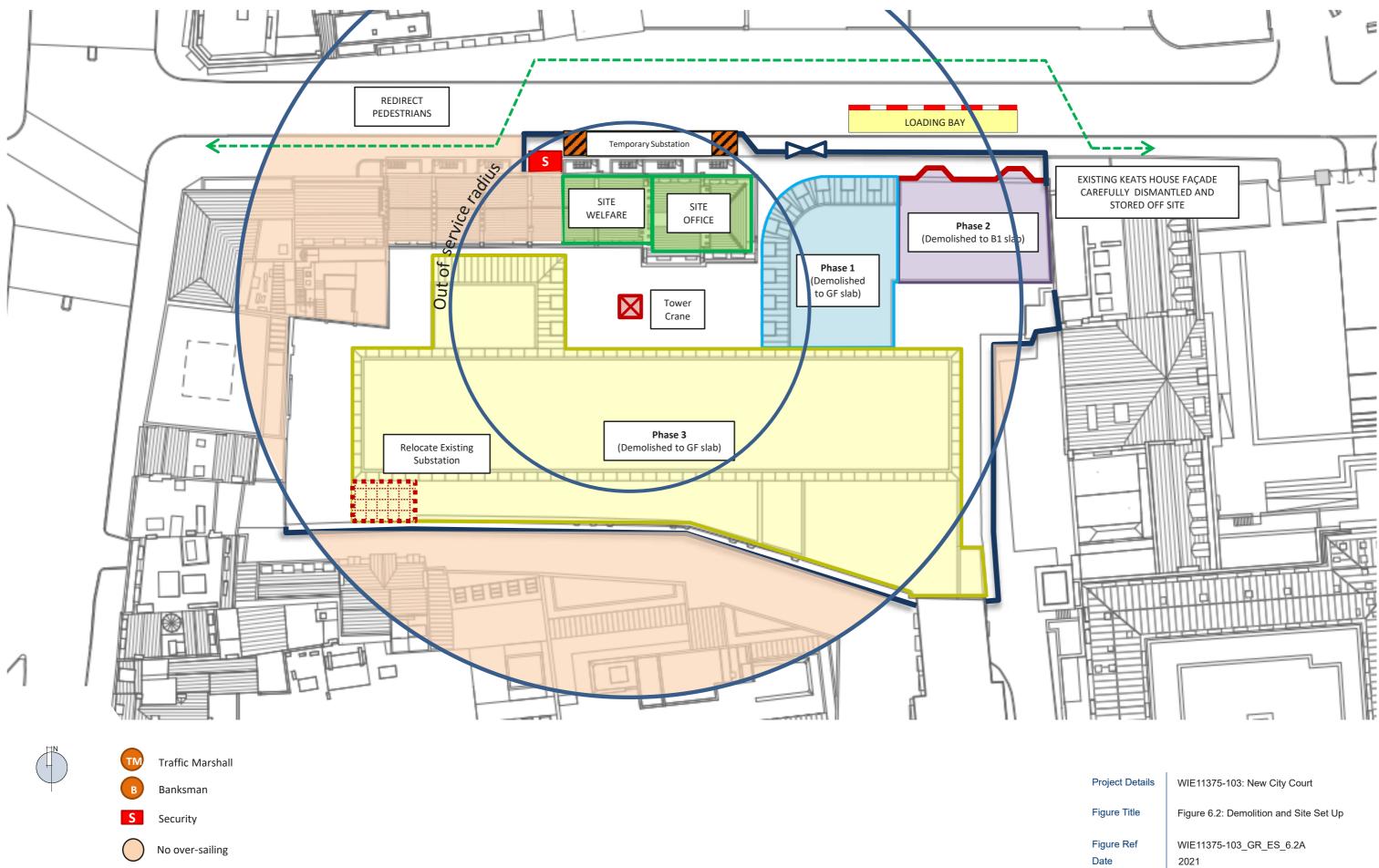
Figure Title

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WIE11375-103: New City Court

Figure 6.1: Delivery Route and Holding Point on Druid Street WIE11375-103_GR_ES_6.1A 2021

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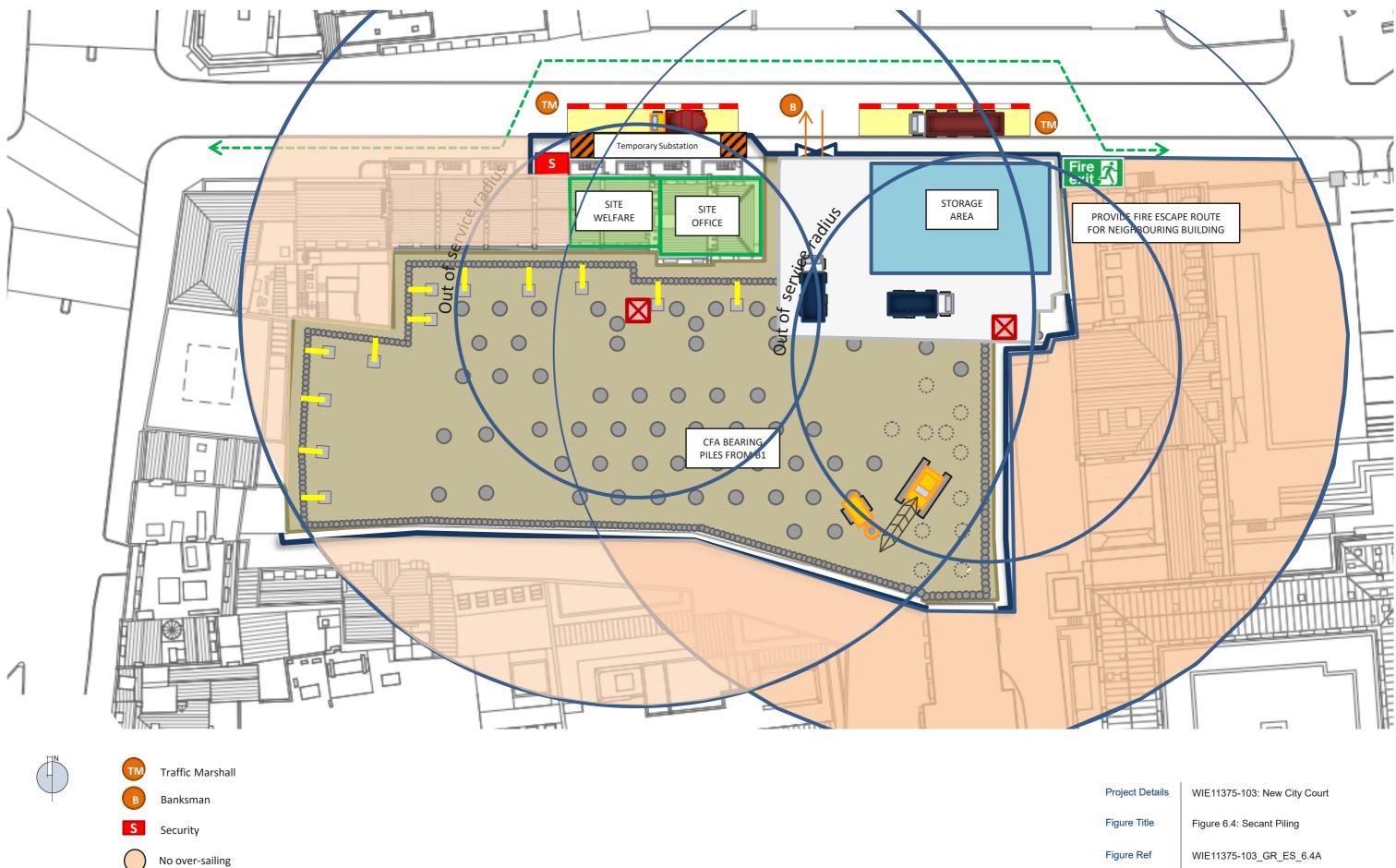
Figure Ref Date File Location

Figure 6.3: Existing Sewer Diversion from Under Keats House to Eastern Edge, Breaking Ground Floor Slab and Piling Works

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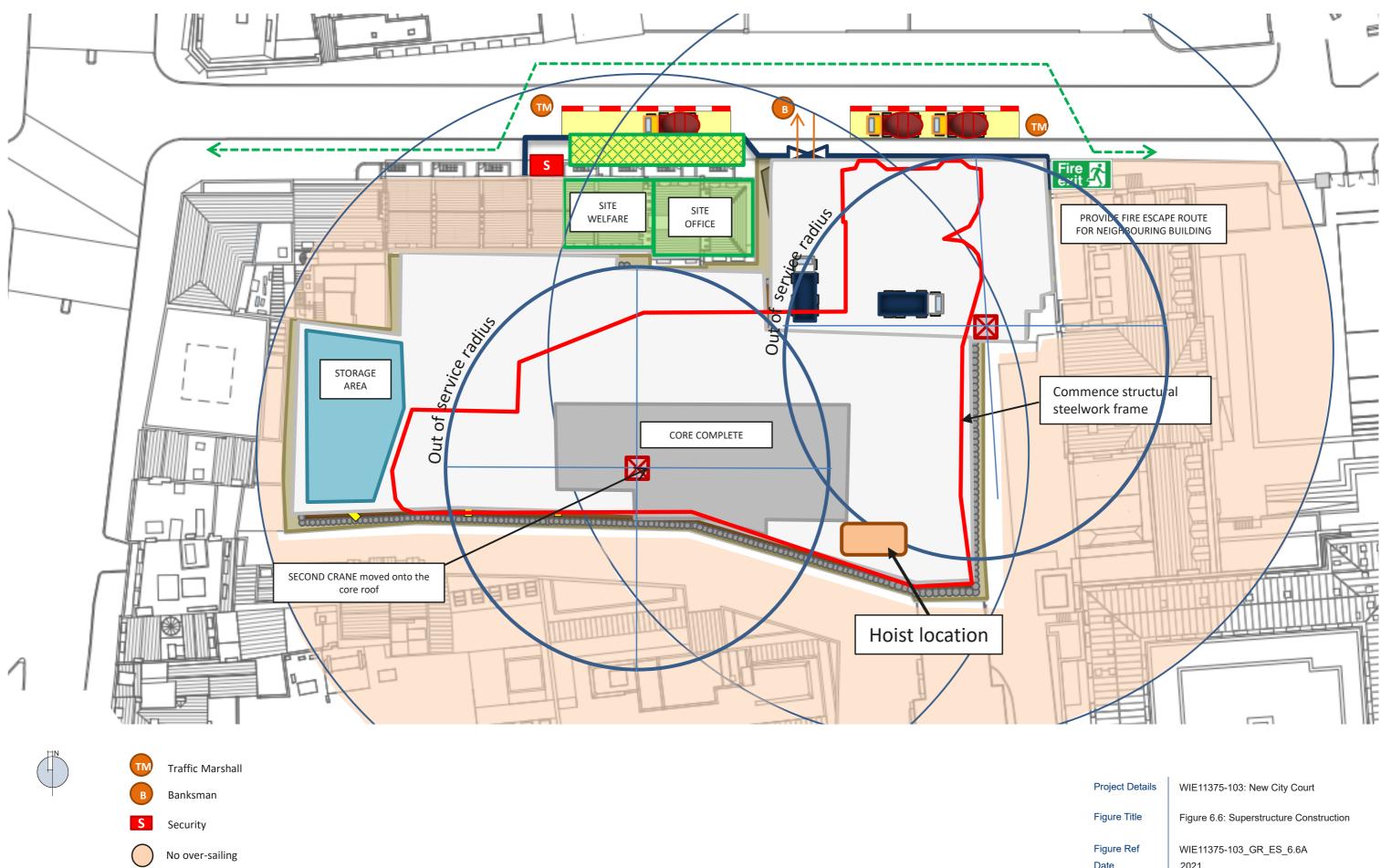


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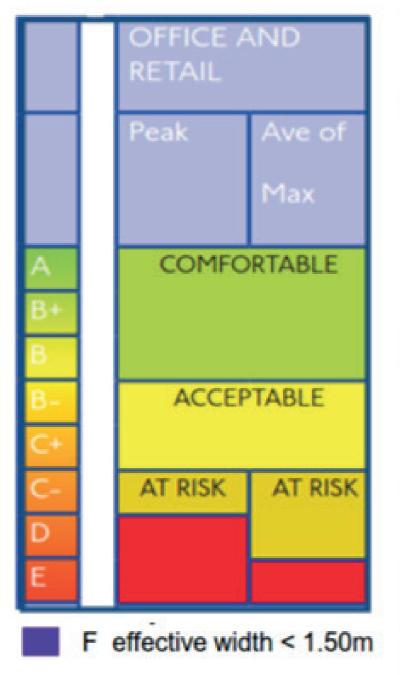
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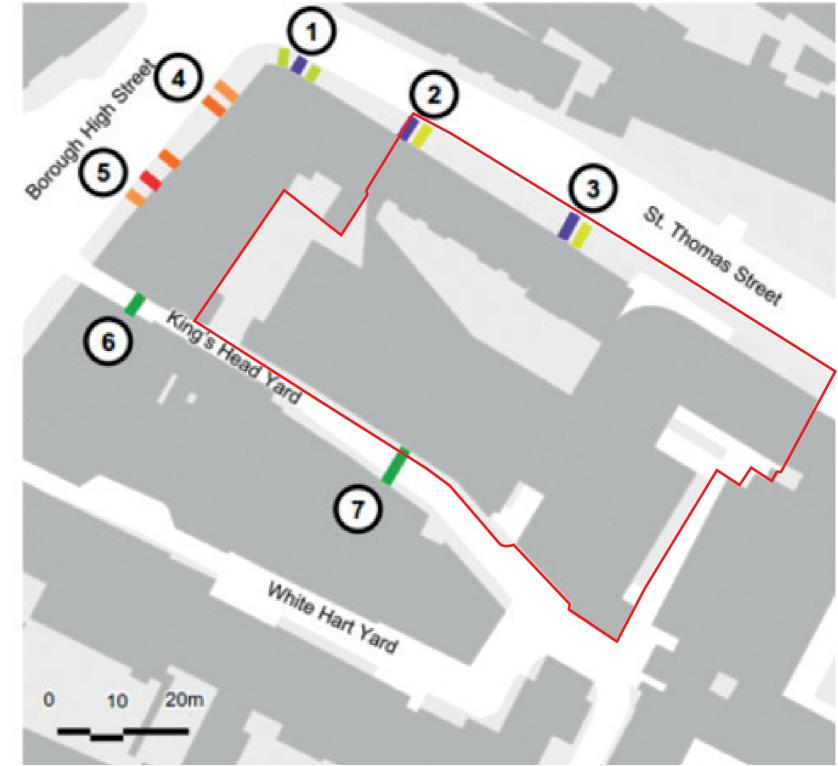
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Site Boundary

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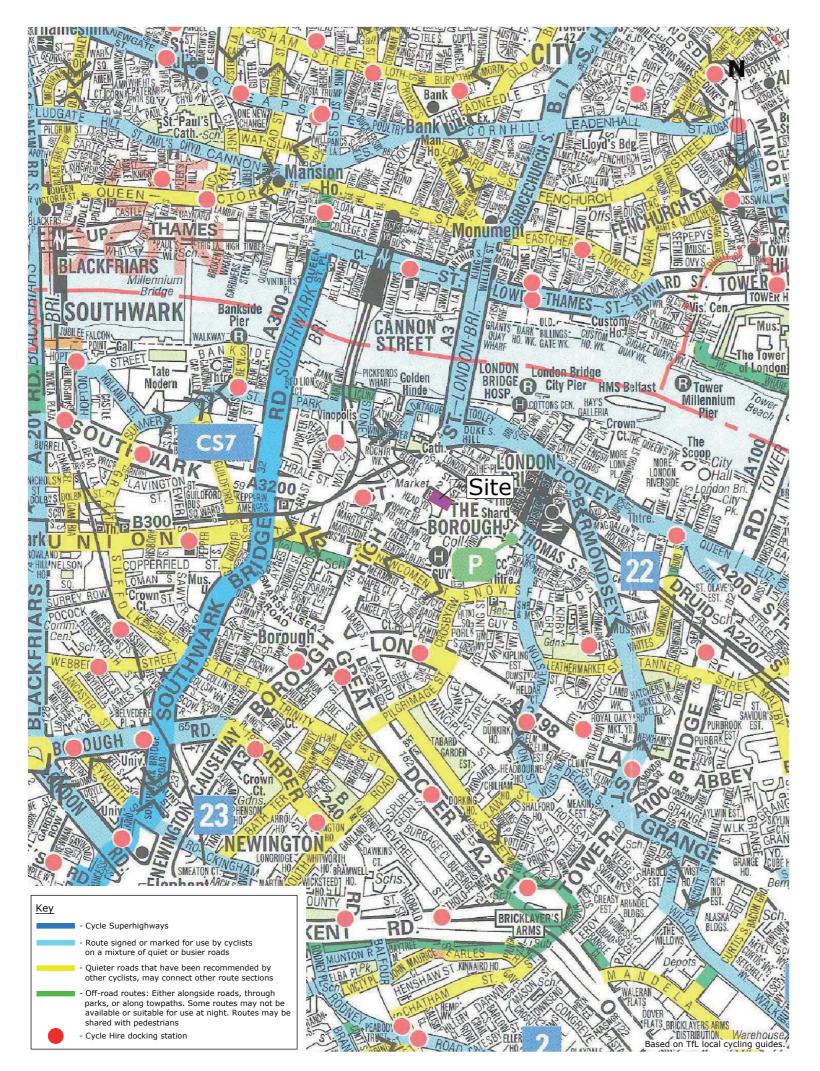
Figure Title

Figure Ref Date File Location

WIE11375-103: New City Court

Figure 7.1: Pedestrian Comfort Level Assessment Locations

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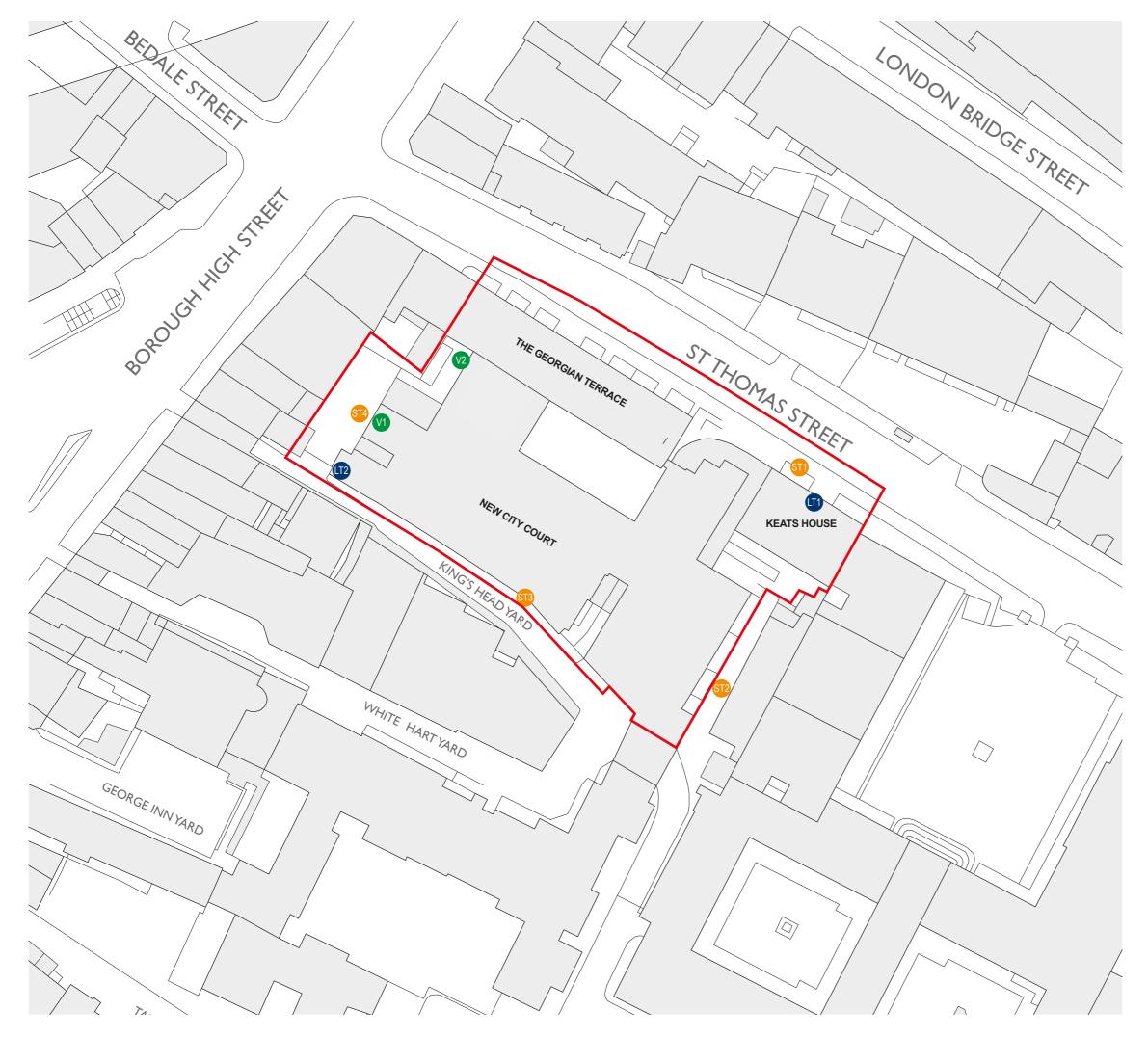
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Project Details	WIE11375-103: New City Court
Figure Title	Figure 7.2: Local Cycle Network
Figure Ref	WIE11375-103_GR_ES_7.2A
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Site Boundary

Noise and Vibration Monitoring Locations



Short Term Noise Monitoring Location



Long Term Noise Monitoring Location



Vibration Monitoring Location



Project Details

Figure Title

Figure Ref Date File Location

WIE11375-103: New City Court

Figure 8.1: Noise and Vibration Monitoring Locations

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SR Sensitive Receptor Locations



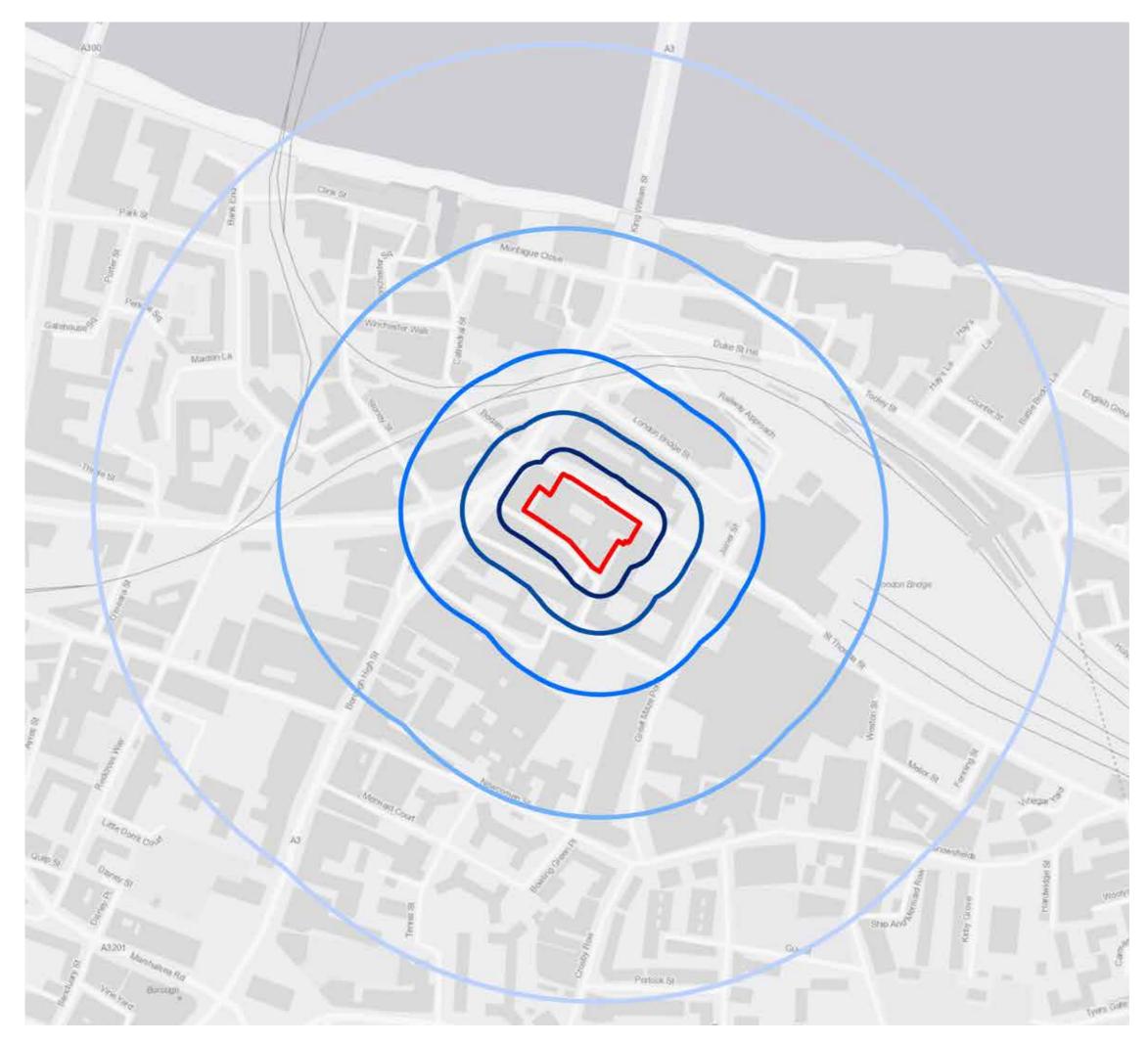
Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court

Figure 8.2: Sensitive Receptor Locations

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Site Boundary
20m from Site Boundary
50m from Site Boundary
100m from Site Boundary
200m from Site Boundary
350m from Site Boundary



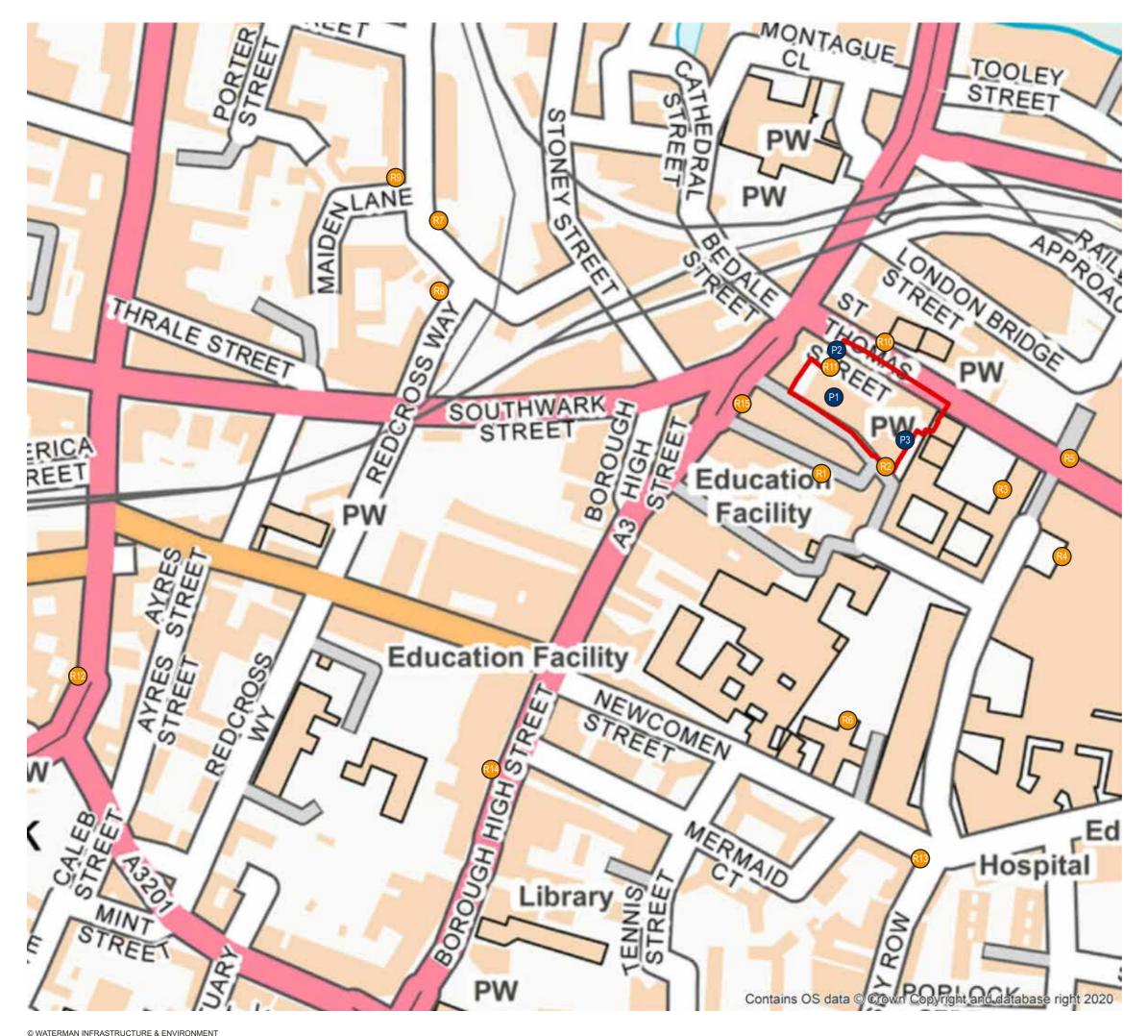
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Figure Title

Figure Ref Date File Location WIE11375-103: New City Court

Figure 9.1: Construction Phase Assessment Bands

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P1 Proposed Receptor Locations



Project Details

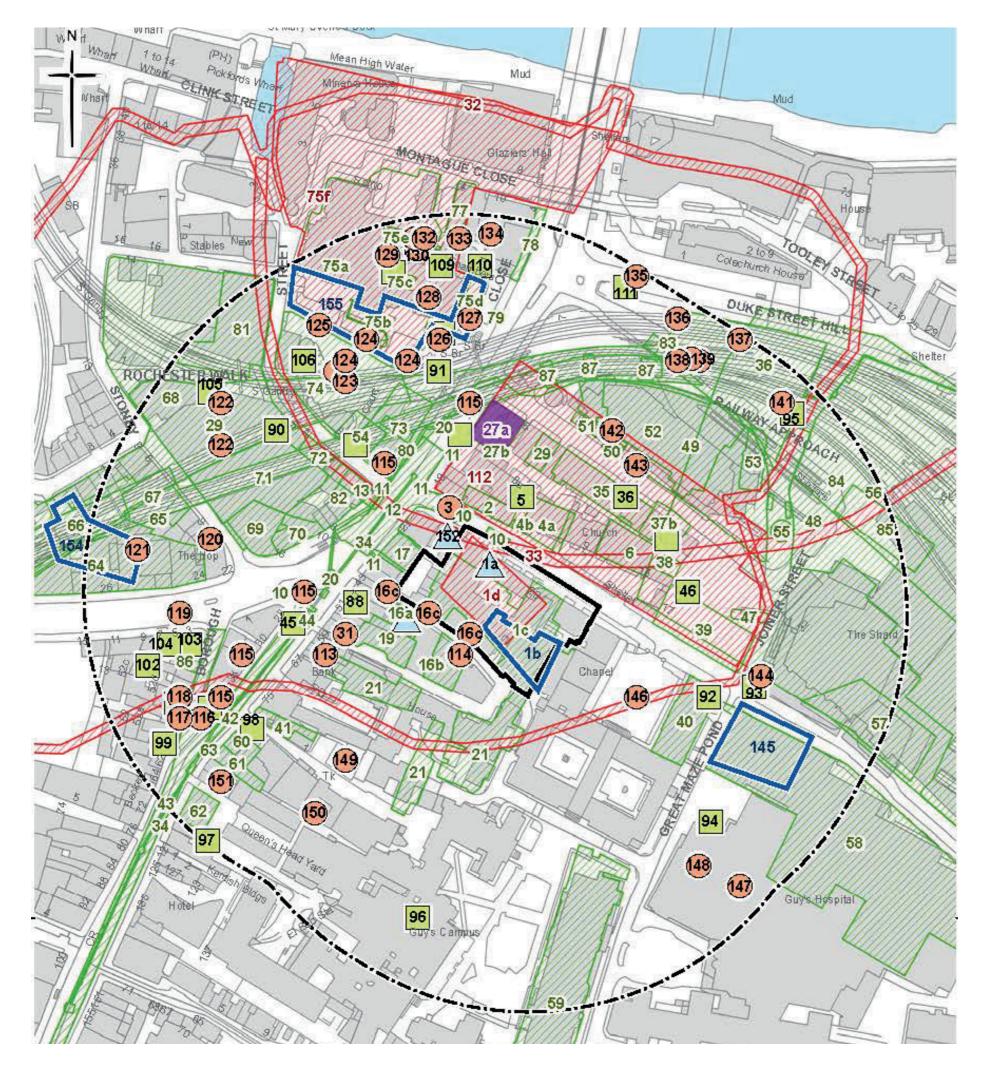
Figure Title

Figure Ref Date File Location

WIE11375-103: New City Court

Figure 9.2: Site Plan and Receptor locations

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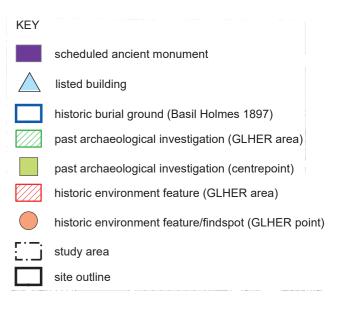


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Project Details

Figure Title

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Figure 10.1: Historic Environment Features Map

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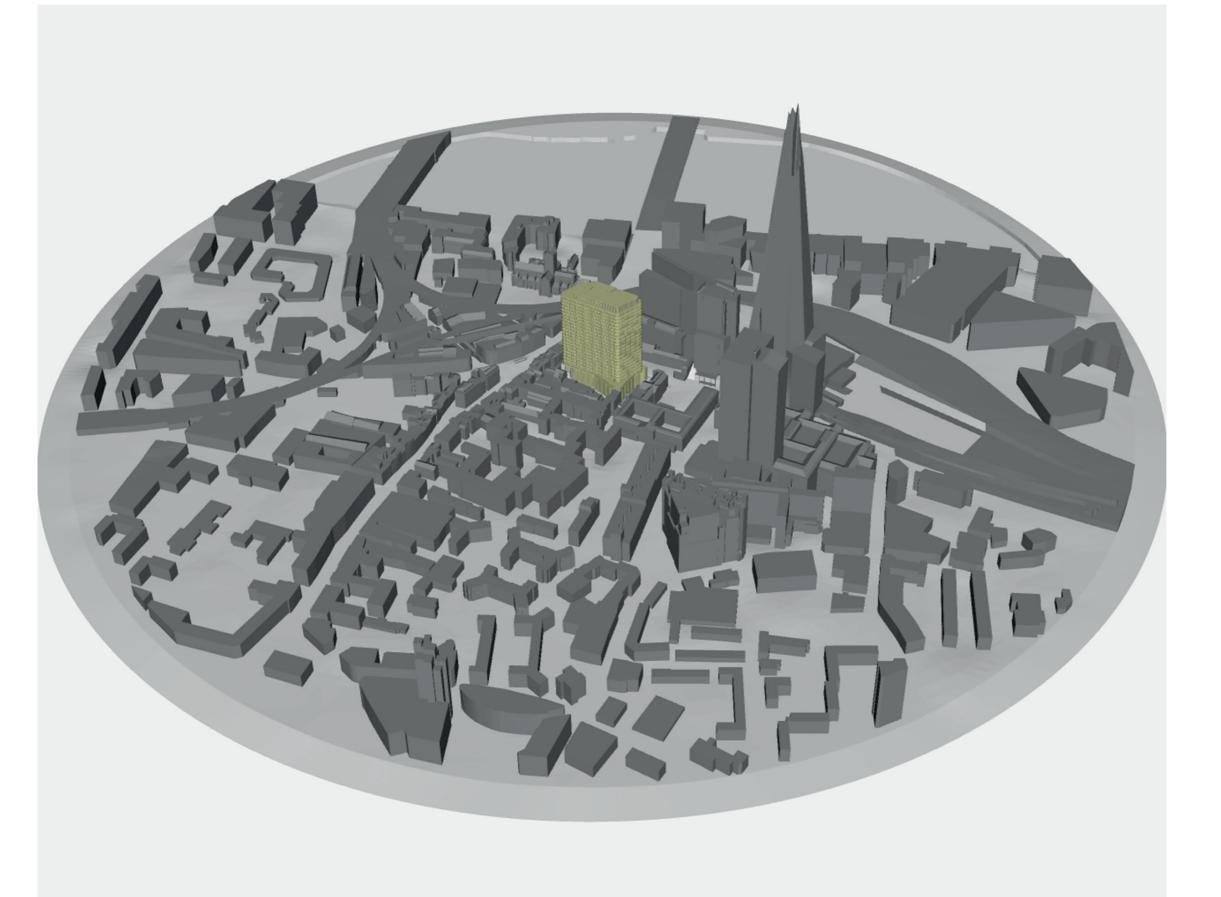


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Figure Title

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Figure 10.2: Archaeological Survival Potential within the Site WIE11375-103_GR_ES_10.2 2021



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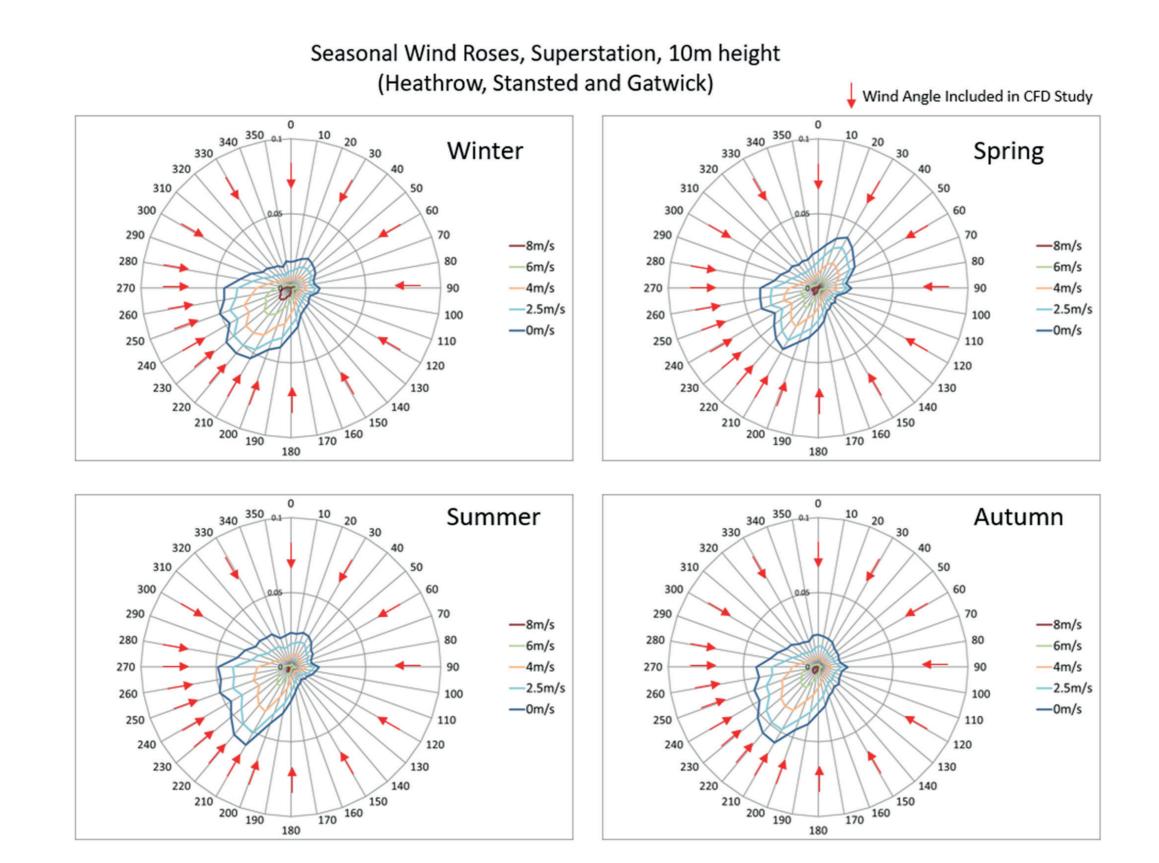
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Figure Title

Figure Ref Date File Location WIE11375-103: New City Court

Figure 12.1: Context model of Proposed Development within context of the surrounding area

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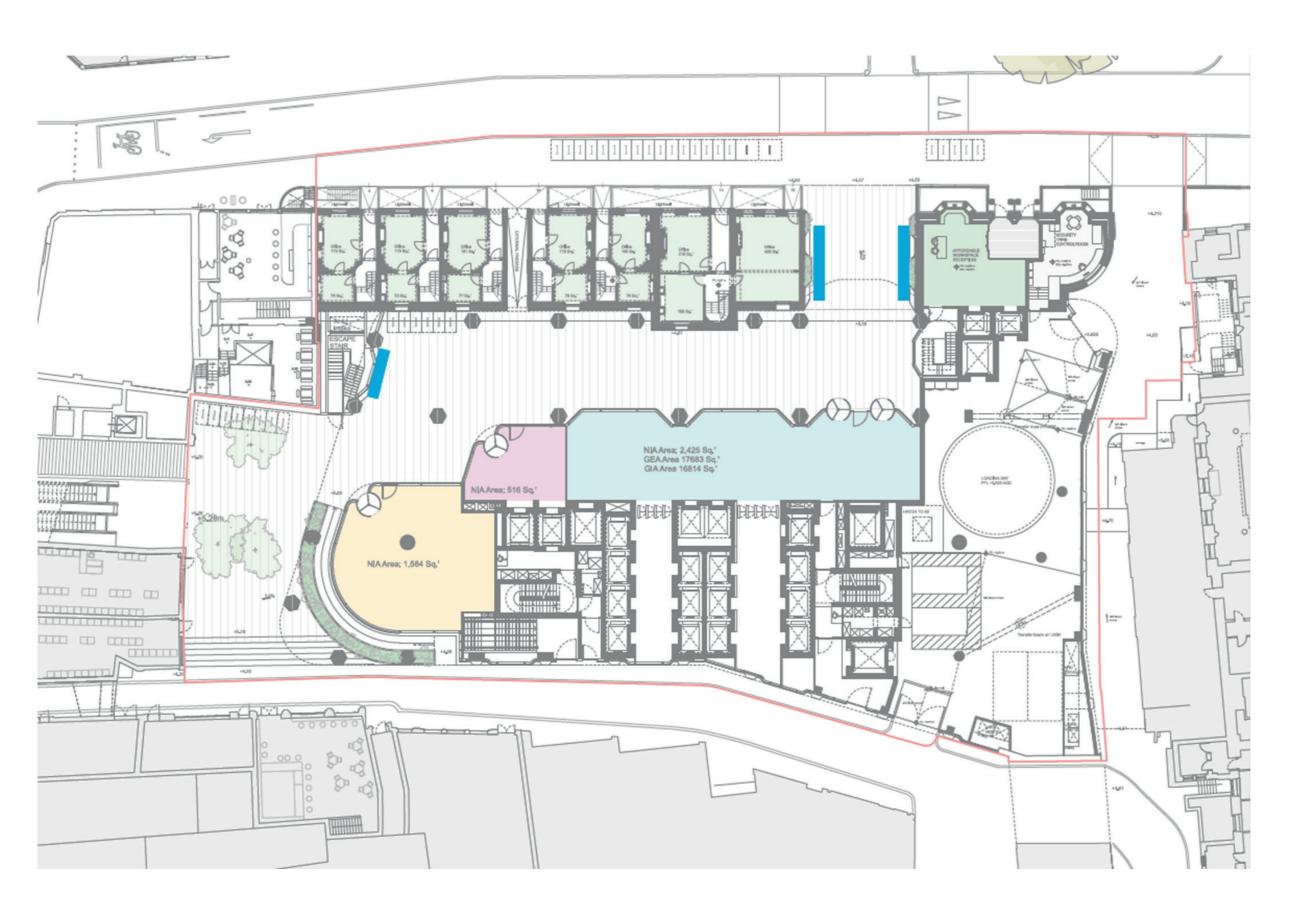
Figure Title

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Figure 12.2: Seasonal Wind roses for the London Superstation, with angles tested highlighted

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Project Details

Figure Title

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Figure 12.3: On-Site public realm potential seating locations indicated by the blue regions (Ground Level)

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Comfort Category





Project Details

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Figure 12.4: Winter Wind Comfort for Configuration 1 – The Site (Existing) with the baseline conditions surrounding the Site (Ground Level)

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Comfort Category





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WIE11375-103: New City Court

Figure 12.5: Summer Wind Comfort for Configuration 1 – The Site (Existing) with the baseline conditions surrounding the Site (Ground Level)

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Safety Category





Project Details

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WIE11375-103: New City Court

Figure 12.6: Annual Wind Safety for Configuration 1 – The Site (Existing) with the baseline conditions surrounding the Site (Ground Level)

WIE11375-103_GR_ES_12.6A

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Comfort Category

Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.7: Winter Wind Comfort for Configuration 1 – The Site (Existing) with the baseline conditions surrounding the Site. Wider local area view (Ground Level) WIE11375-103_GR_ES_12.7A 2021

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Comfort Category

Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable

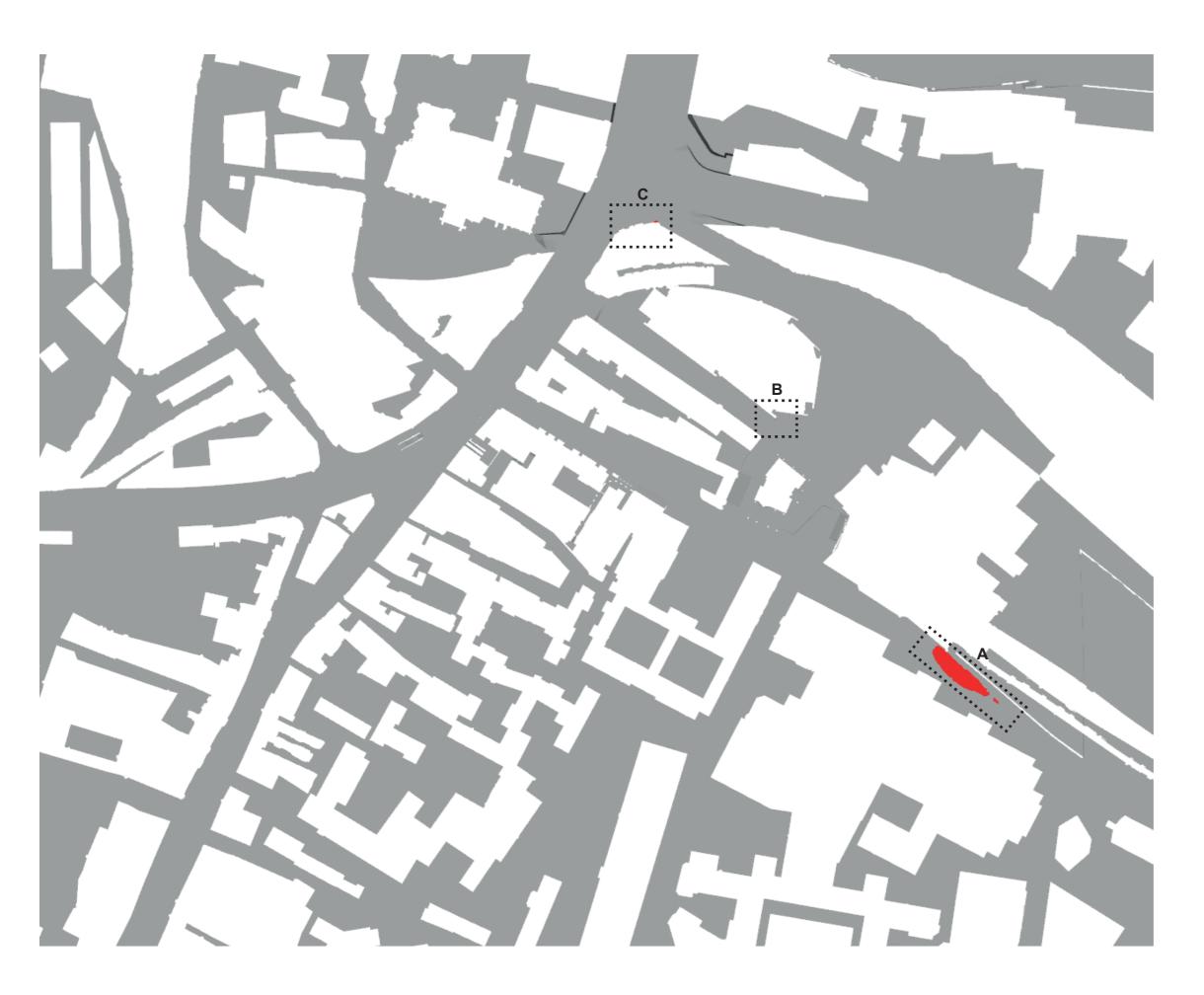


Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.8: Summer Wind Comfort for Configuration 1 – The Site (Existing) with the baseline conditions surrounding the Site. Wider local area view (Ground Level) WIE11375-103_GR_ES_12.8A 2021

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Safety Category

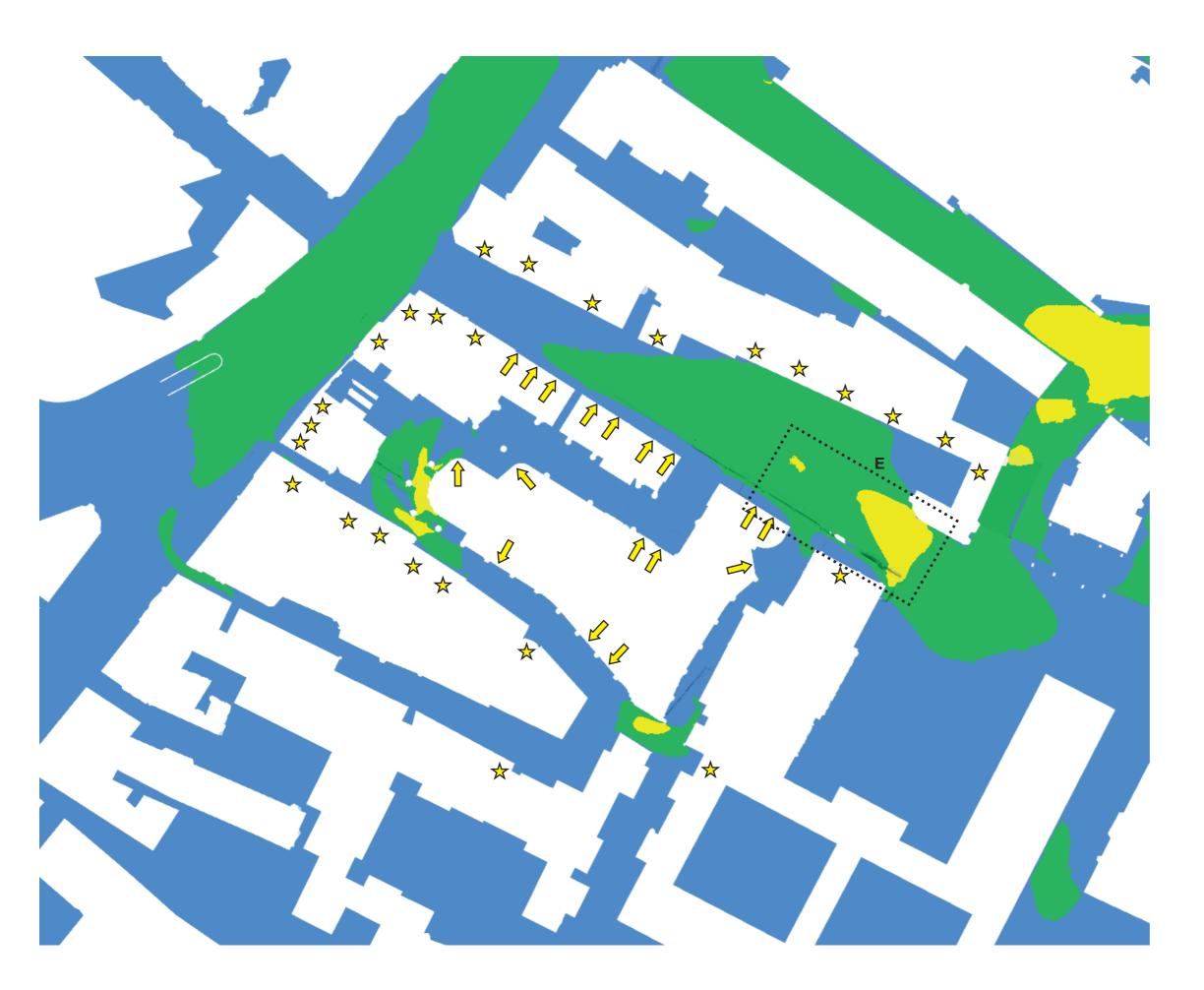




Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.9: Annual Wind Safety for Configuration 1 – The Site (Existing) with the baseline conditions surrounding the Site. Wider local area view (Ground Level) WIE11375-103_GR_ES_12.9A 2021



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Comfort Category





Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.10: Winter Wind Comfort for Configuration 2 – The completed and operational Development with the baseline conditions surrounding the Site (Ground Level) WIE11375-103_GR_ES_12.10A 2021



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Comfort Category





Project Details

Figure Title

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Safety Category

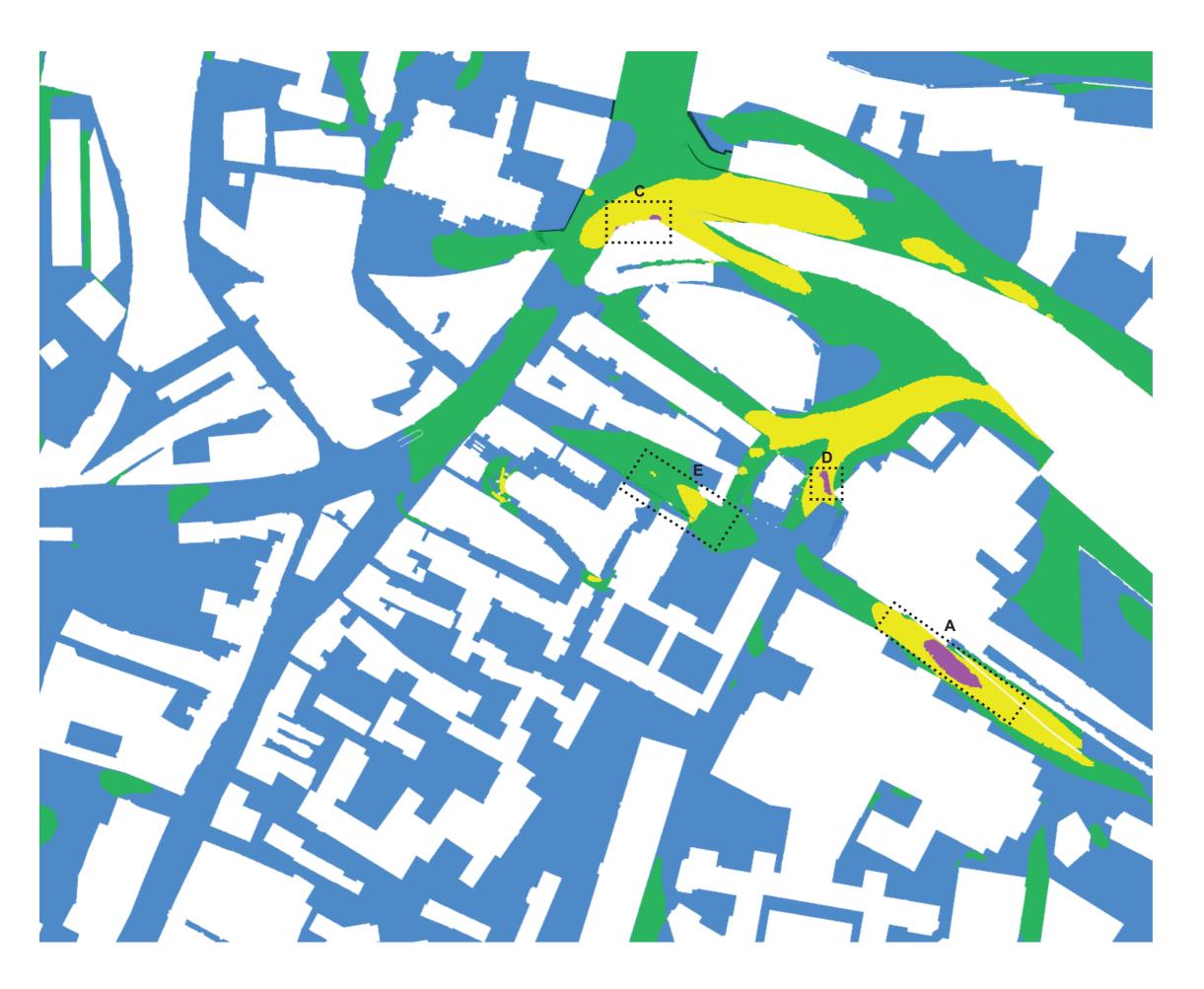




Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.12: Annual Wind Safety for Configuration 2 – The completed and operational Development with the baseline conditions surrounding the Site (Ground Level) WIE11375-103_GR_ES_12.12A 2021





Comfort Category

Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.13: Winter Wind Comfort for Configuration 2 – The completed and operational Development with the baseline conditions surrounding the Site. Wider local area view (Ground Level) WIE11375-103_GR_ES_12.13A 2021



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Comfort Category

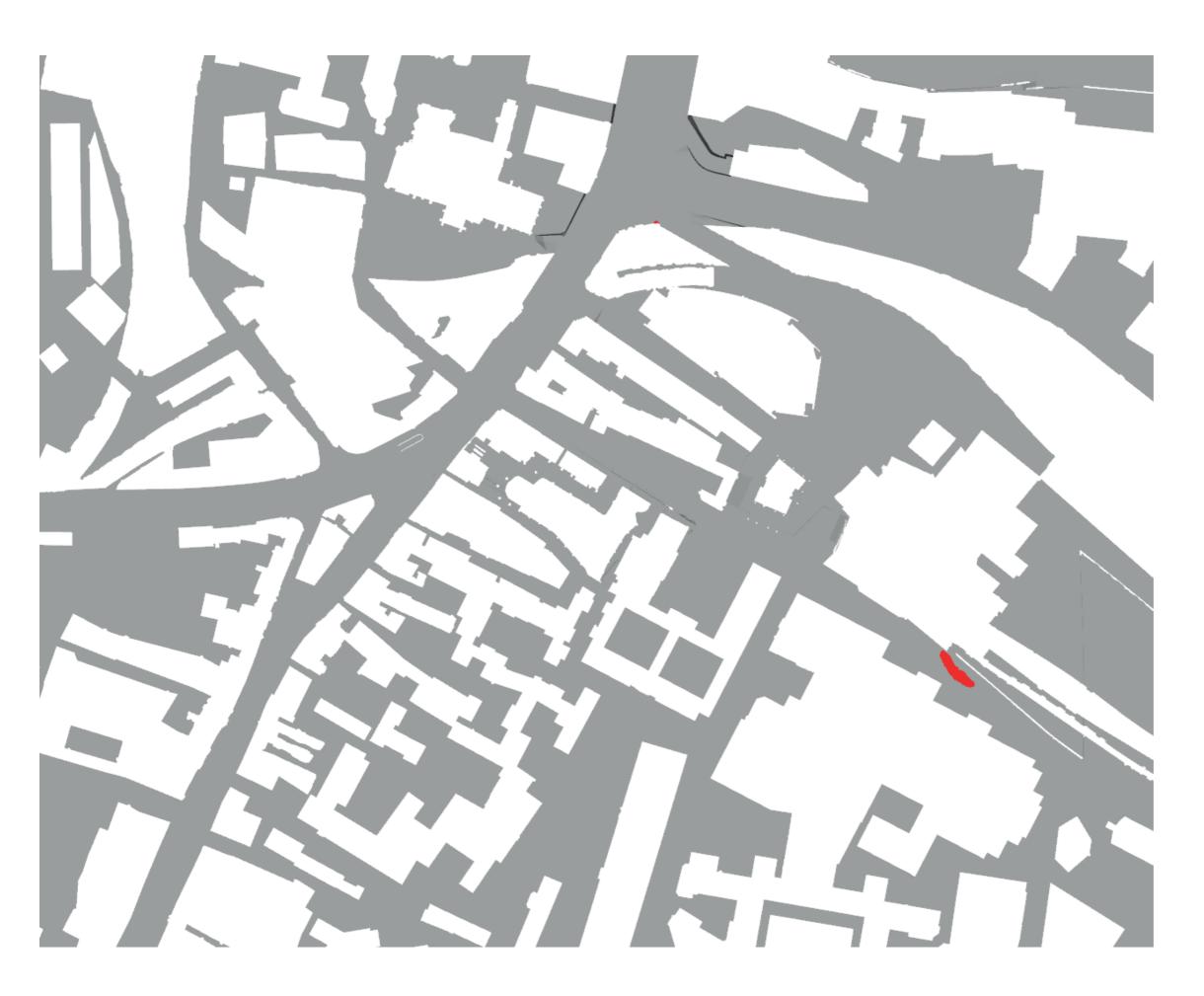
Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.14: Summer Wind Comfort for Configuration 2 – The completed and operational Development with the baseline conditions surrounding the Site. Wider local area view (Ground Level) WIE11375-103_GR_ES_12.14A 2021



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Safety Category

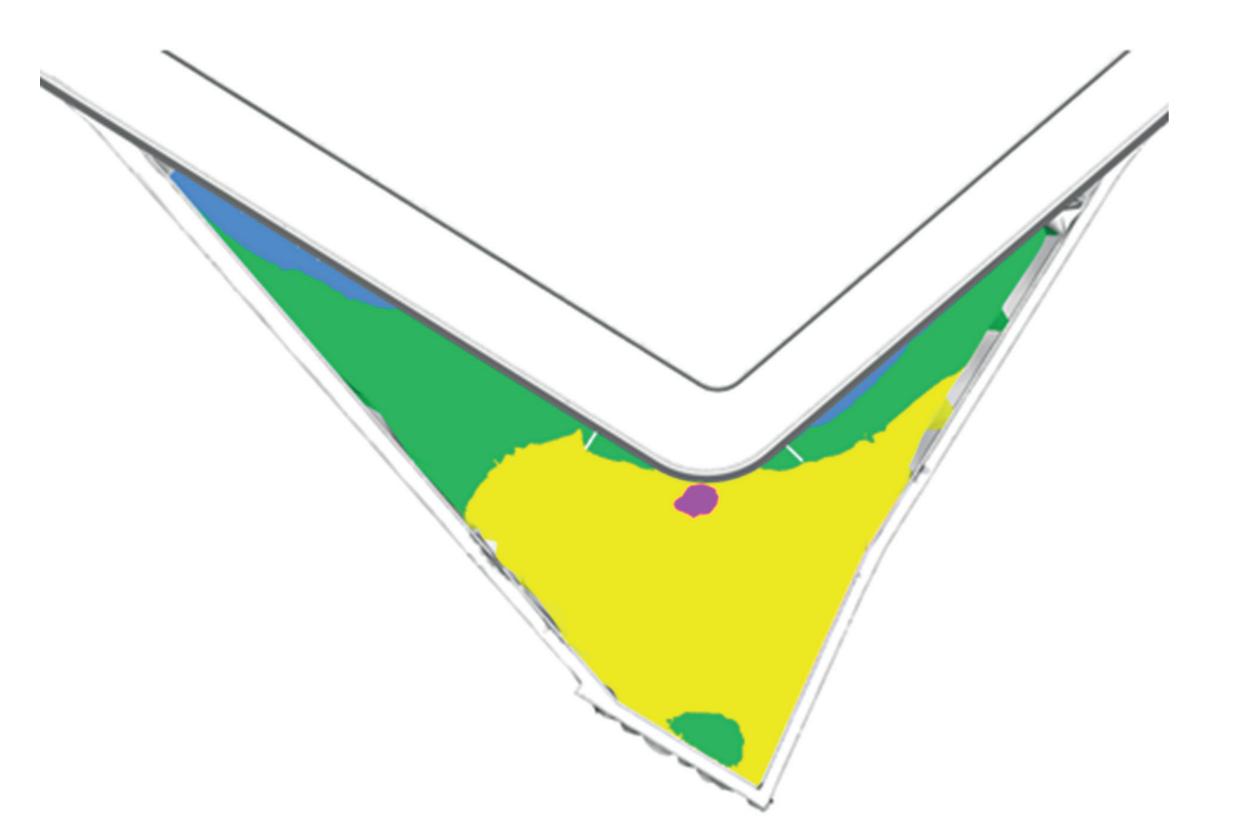




Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.15: Annual Wind Safety for Configuration 2 – The completed and operational Development with the baseline conditions surrounding the Site. Wider local area view (Ground Level) WIE11375-103_GR_ES_12.15A 2021





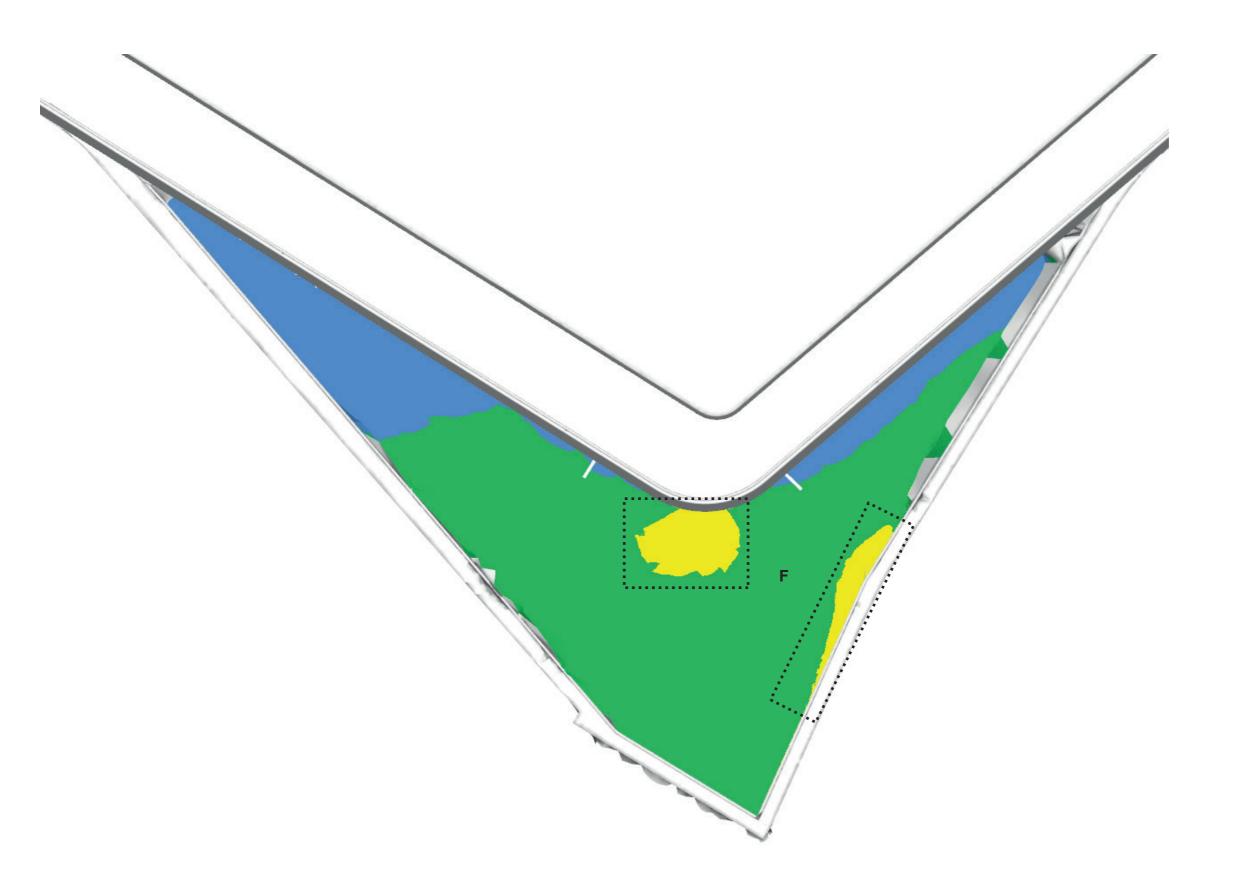
Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.16: Podium Terrace Winter Wind Comfort for Configuration 2 – The completed and operational Development with the baseline conditions surrounding the Site WIE11375-103_GR_ES_12.16A 2021





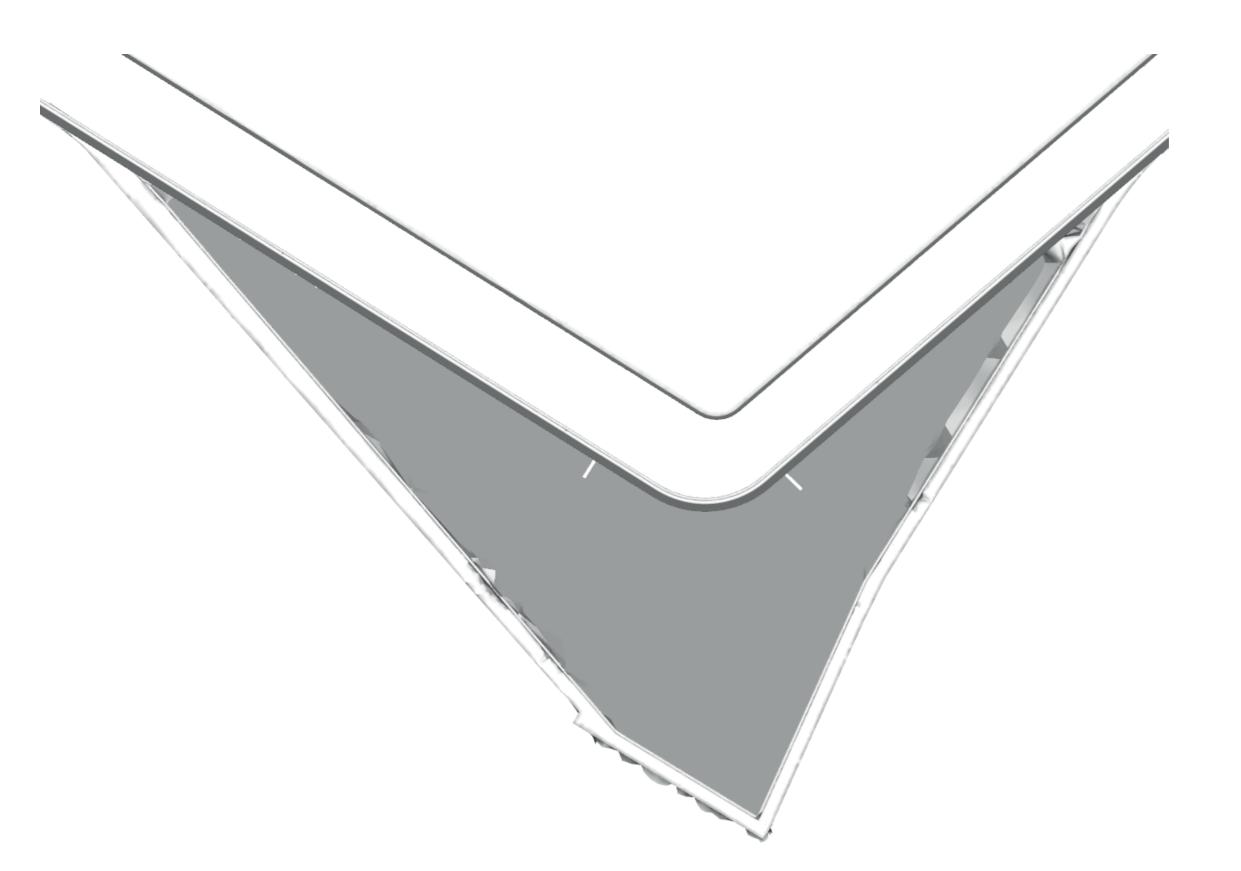
Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.17: Podium Terrace Summer Wind Comfort for Configuration 2 – The completed and operational Development with the baseline conditions surrounding the Site WIE11375-103_GR_ES_12.17A 2021





Safety Category





Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.18: Podium Terrace Annual Wind Safety for Configuration 2 – The completed and operational Development with the baseline conditions surrounding the Site WIE11375-103_GR_ES_12.18A 2021





Comfort Category

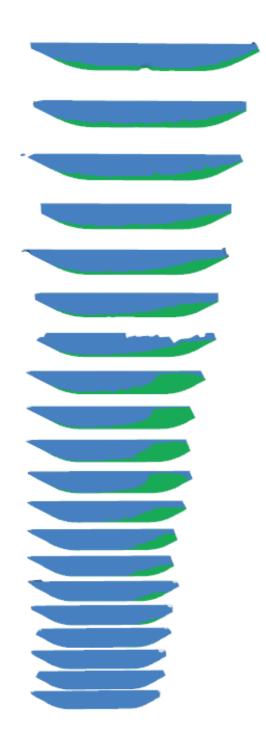
Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.19: Northern Balconies Winter Wind Comfort for Configuration 2 – The completed and operational Development with the baseline conditions surrounding the Site WIE11375-103_GR_ES_12.19A 2021





Comfort Category

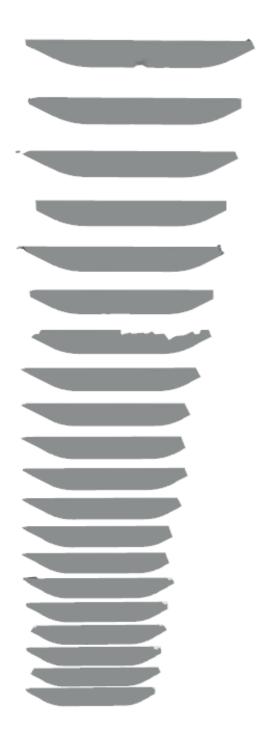
Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.20: Northern Balconies Summer Wind Comfort for Configuration 2 – The completed and operational Development with the baseline conditions surrounding the Site WIE11375-103_GR_ES_12.20A 2021





Safety Category

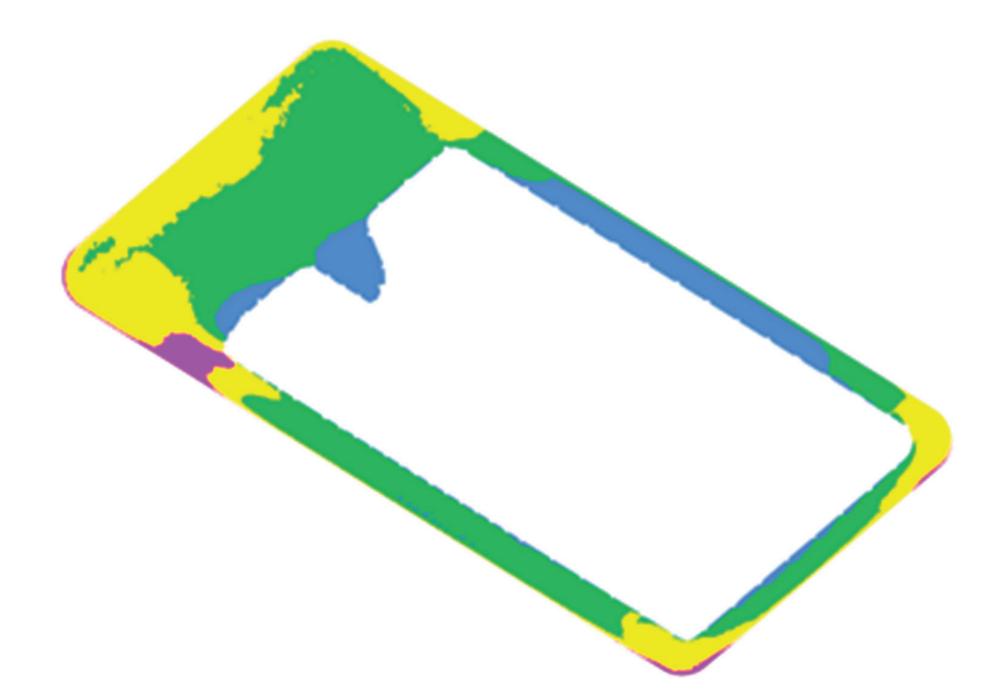




Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.21: Northern Balconies Annual Wind Safety for Configuration 2 – The completed and operational Development with the baseline conditions surrounding the Site WIE11375-103_GR_ES_12.21A 2021





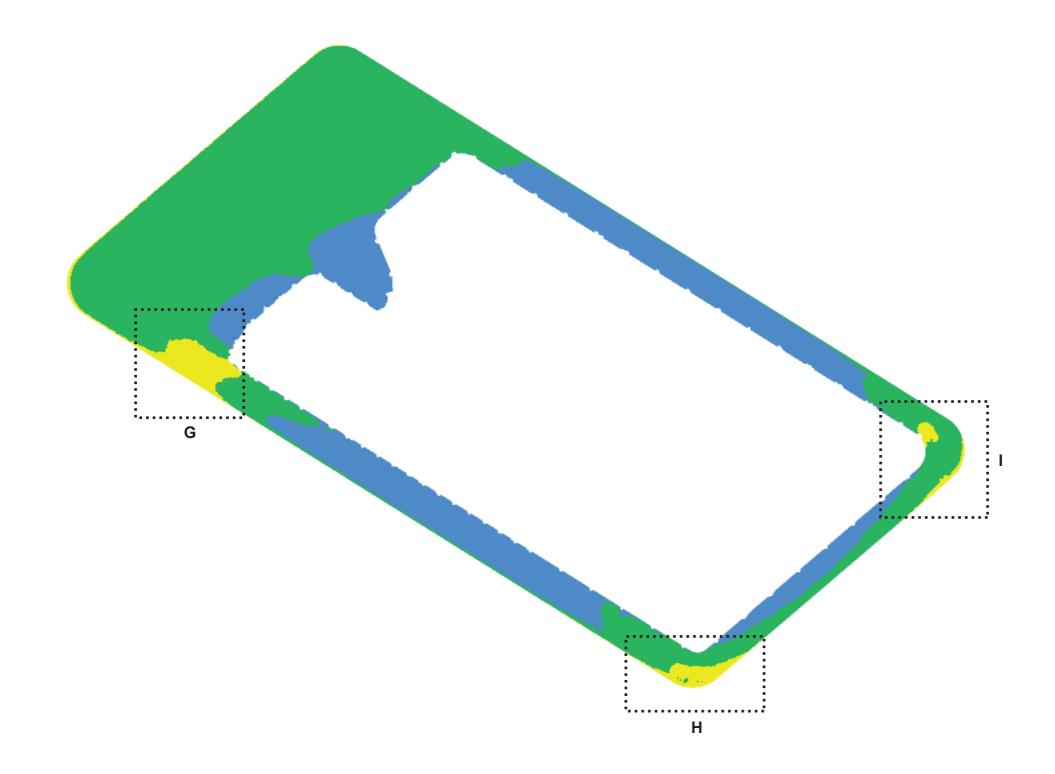
Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.22: Roof Terrace Winter Wind Comfort for Configuration 2 – The completed and operational Development with the baseline conditions surrounding the Site WIE11375-103_GR_ES_12.22A 2021





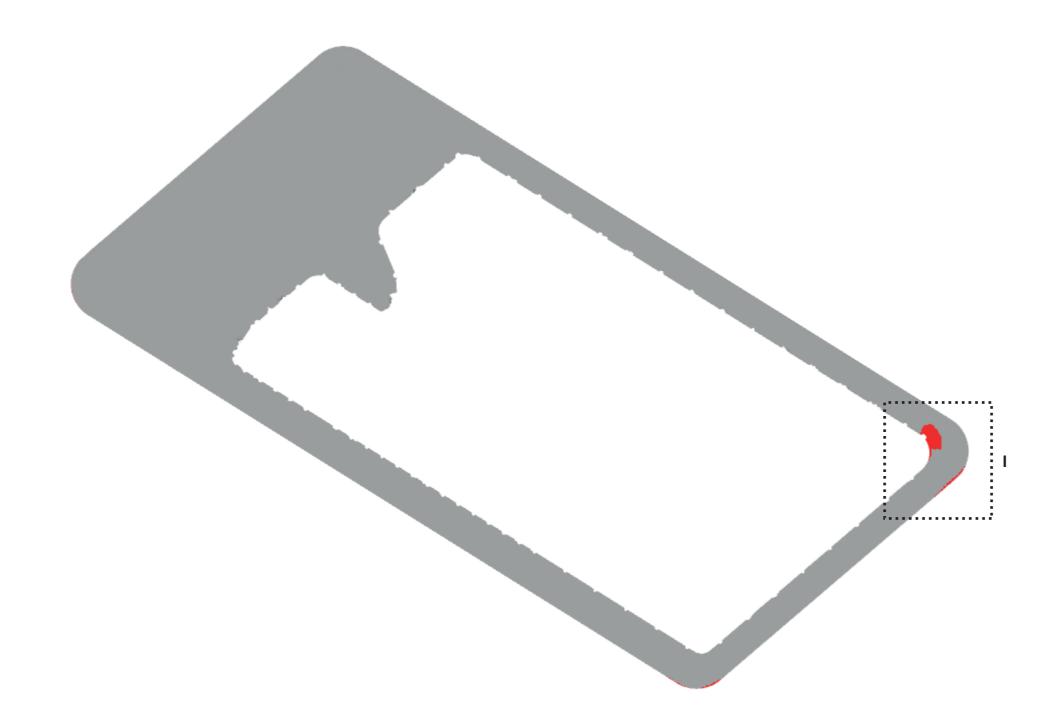
Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.23: Roof Terrace Summer Wind Comfort for Configuration 2 – The completed and operational Development with the baseline conditions surrounding the Site WIE11375-103_GR_ES_12.23A 2021





Safety Category

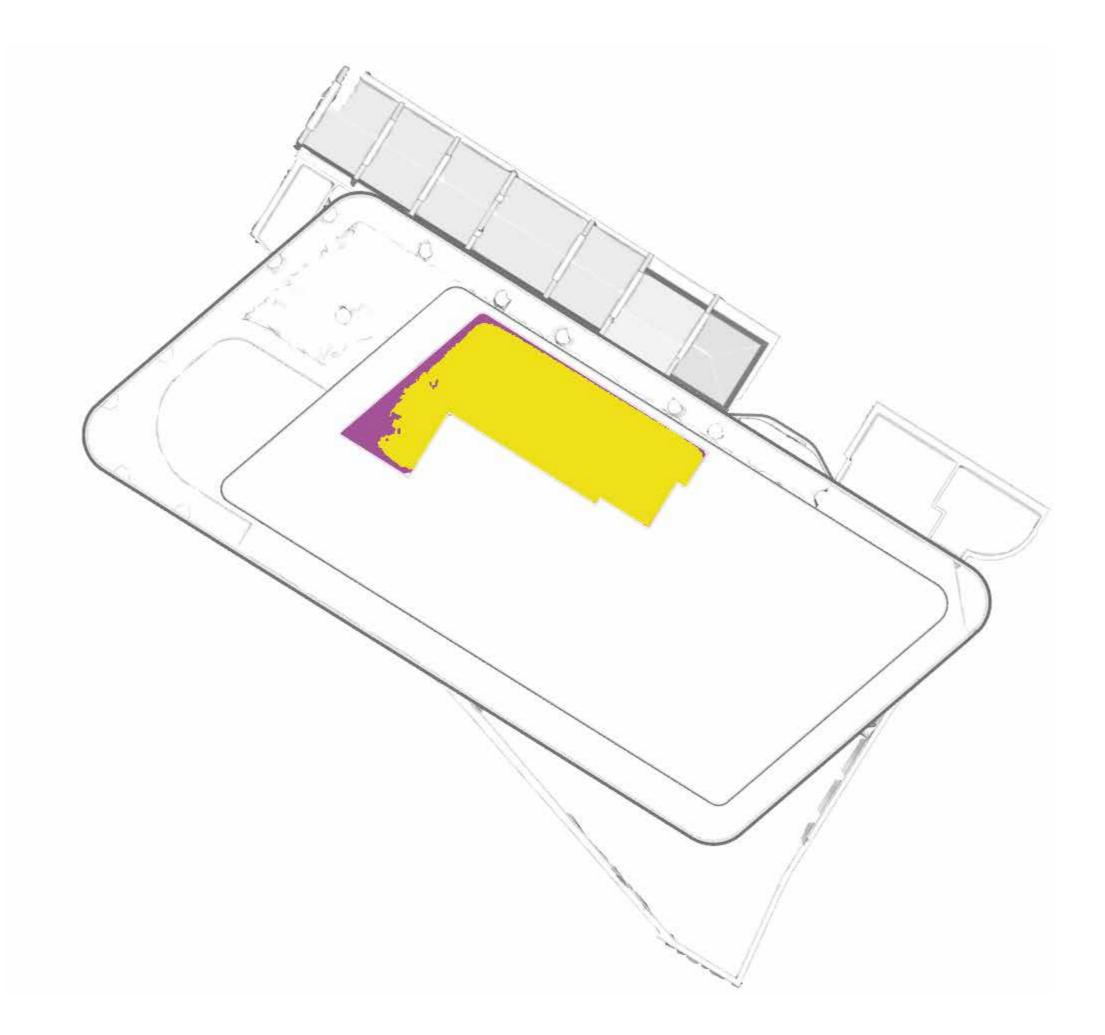




Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.24: Roof Terrace Annual Wind Safety for Configuration 2 – The completed and operational Development with the baseline conditions surrounding the Site WIE11375-103_GR_ES_12.24A 2021





Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable

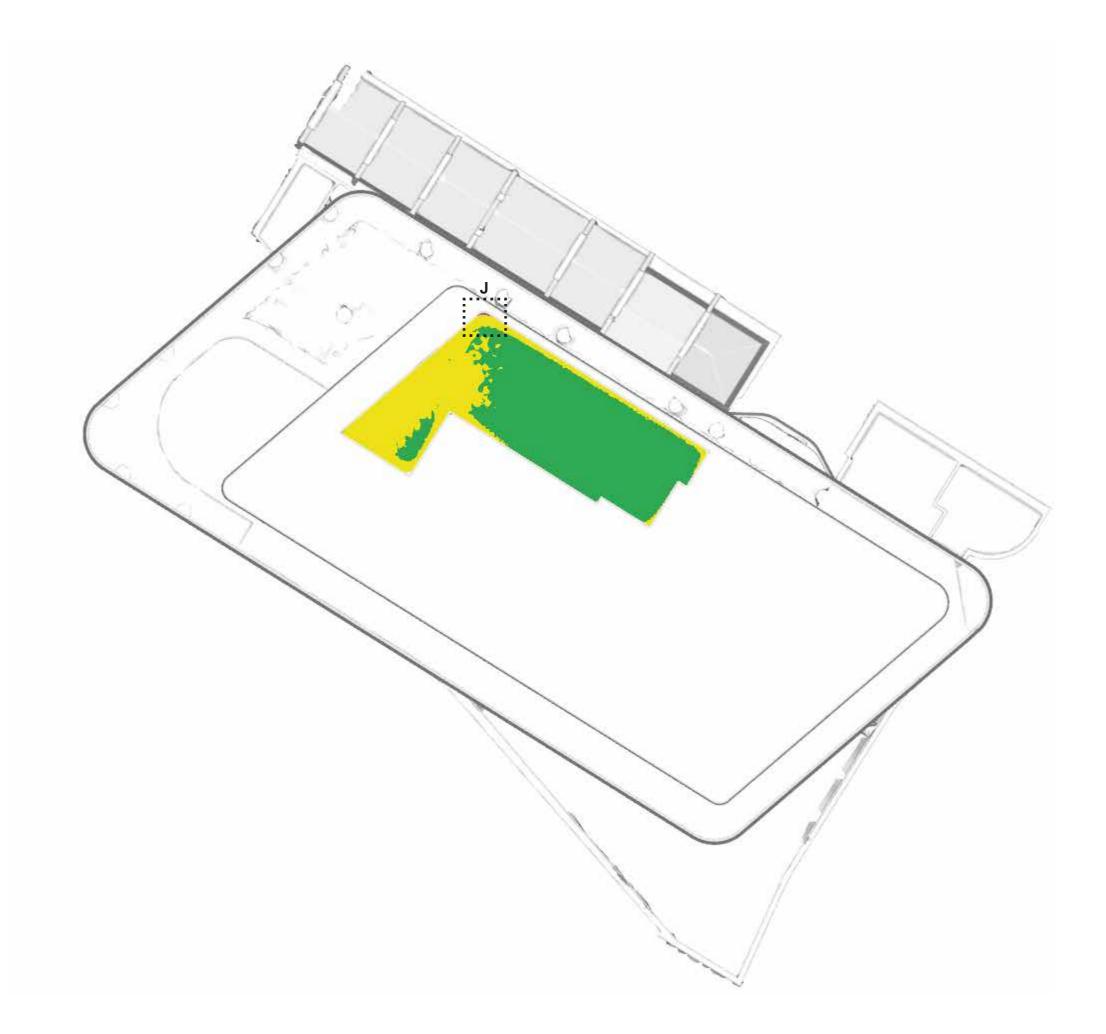


Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.25: Upper Roof Terrace Winter Wind Comfort for Configuration 2 – The completed and operational development with the baseline conditions surrounding the site WIE11375-103_GR_ES_12.25A 2021

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Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable

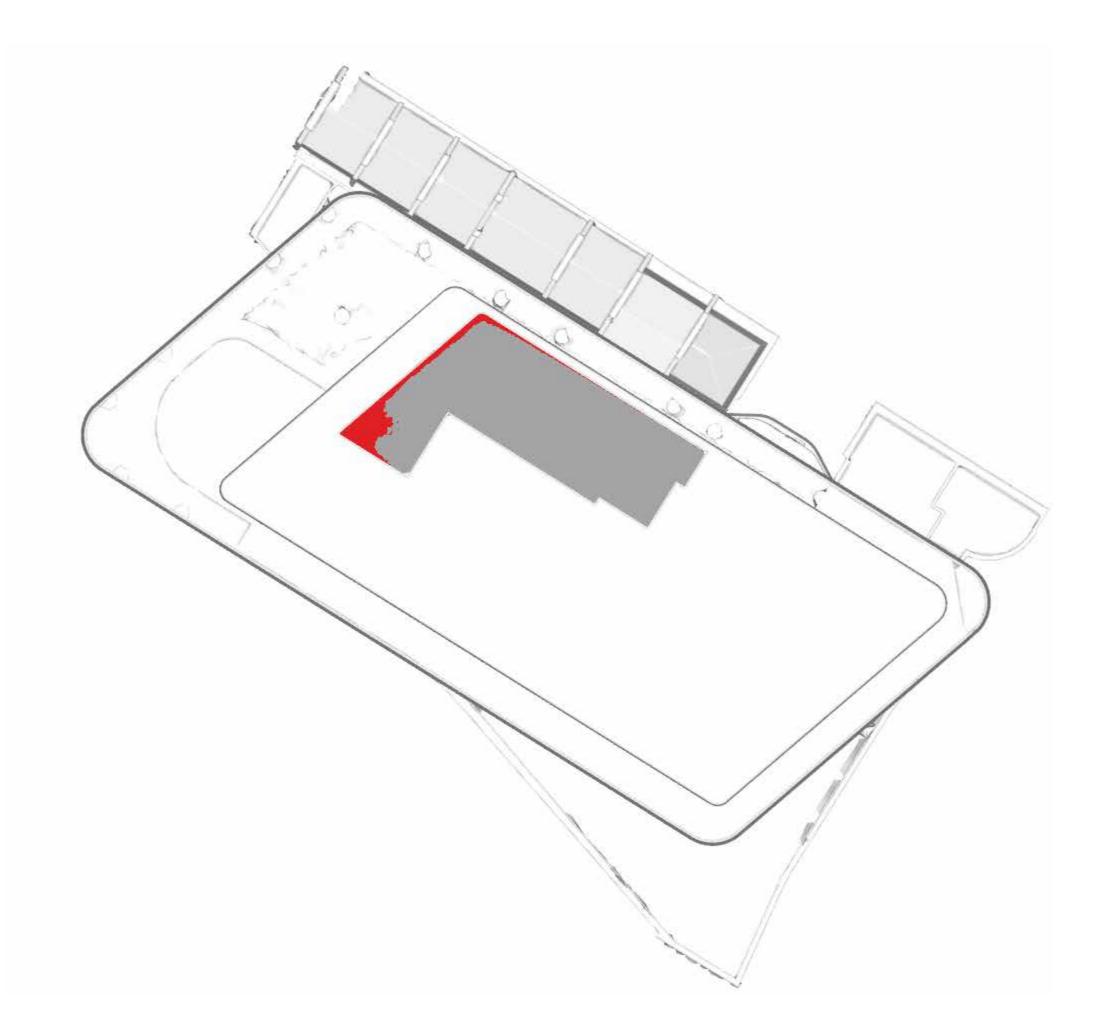


Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.26: Upper Roof Terrace Summer Wind Comfort for Configuration 2 – The completed and operational development with the baseline conditions surrounding the site WIE11375-103_GR_ES_12.26A 2021

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Safety Category



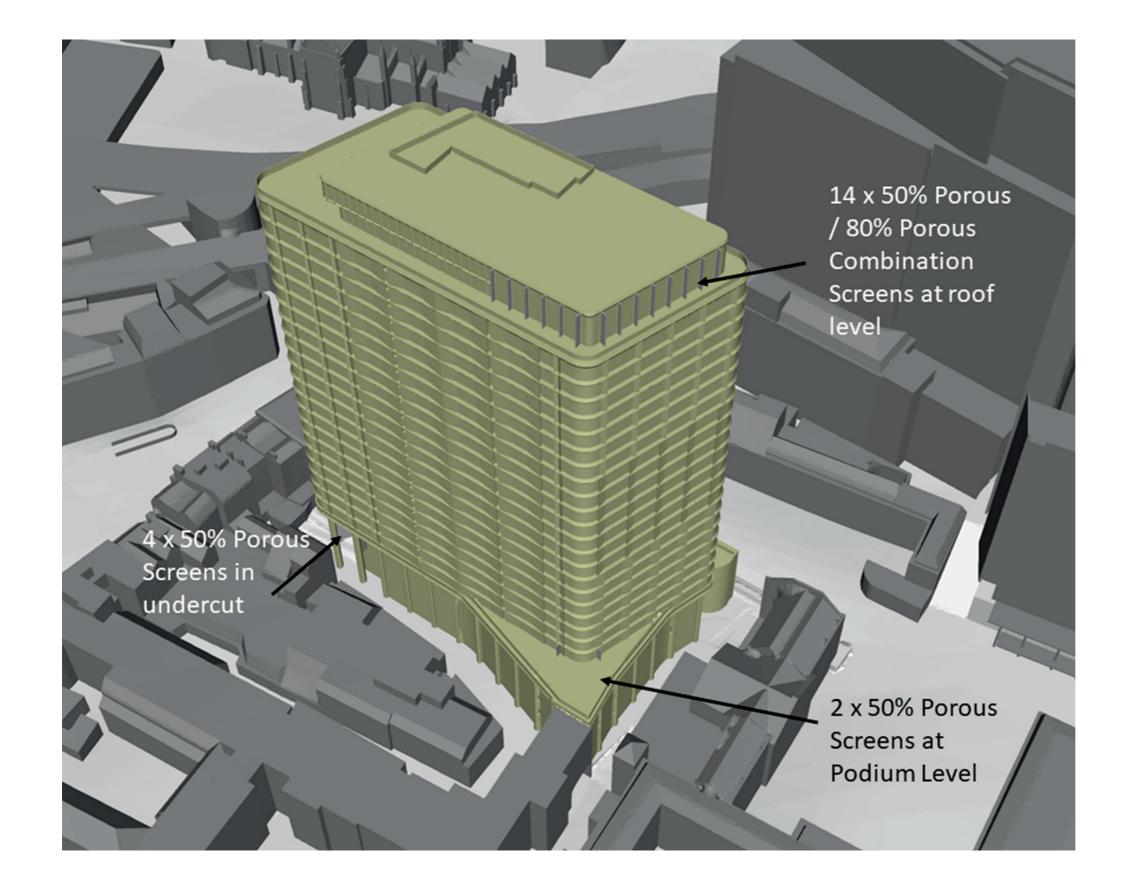


Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.27: Upper Roof Terrace Annual Wind Safety for Configuration 2 – The completed and operational development with the baseline conditions surrounding the site WIE11375-103_GR_ES_12.27A 2021

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Project Details

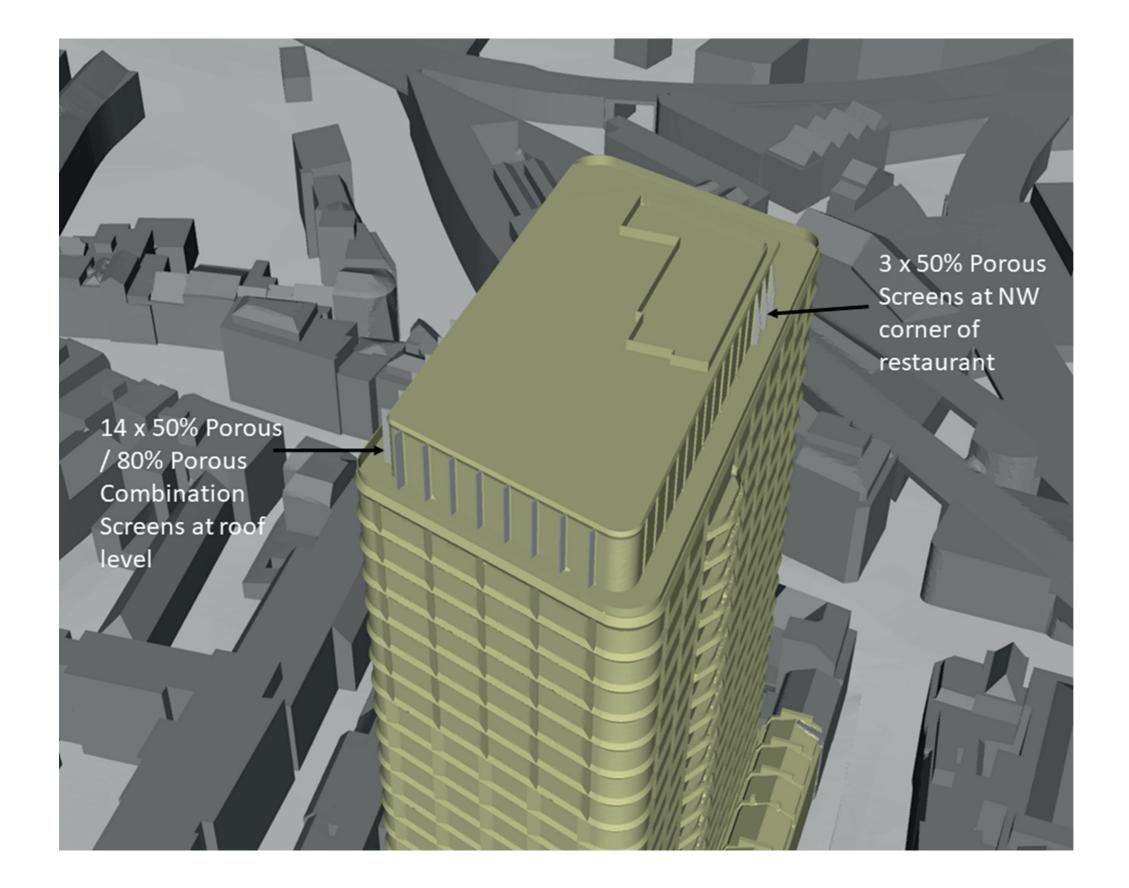
Figure Title

Figure Ref Date File Location

WIE11375-103: New City Court

Figure 12.28: Wind Mitigation screening measures, as viewed from the South-East of the Site WIE11375-103_GR_ES_12.28A

2021





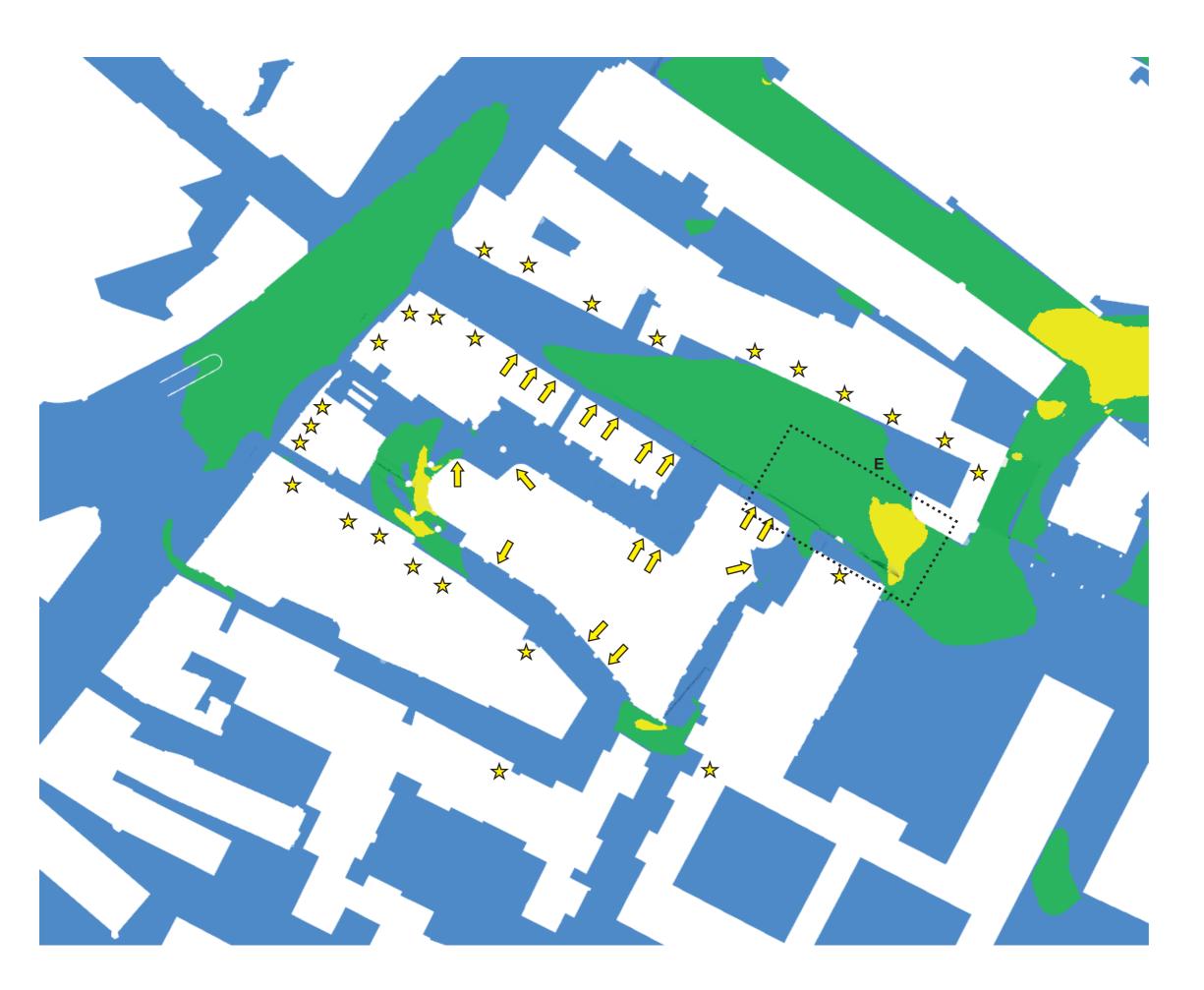
Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court

Figure 12.29: Wind Mitigation screening measures, as viewed from the North-East of the Site

WIE11375-103_GR_ES_12.29A 2021 \\s-Incs\wie1\projects\wie11375\103\graphics\es\issued figures



Source: Wirth Research

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Comfort Category





Project Details

Figure Title

Figure Ref Date File Location

WIE11375-103: New City Court

Figure 12.30: Winter Wind Comfort for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes (Ground Level)

WIE11375-103_GR_ES_12.30A

2021

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Comfort Category





Project Details

Figure Title

Figure Ref Date File Location

WIE11375-103: New City Court

Figure 12.31: Summer Wind Comfort for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes (Ground Level)

WIE11375-103_GR_ES_12.31A 2021

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Safety Category





Project Details

Figure Title

Figure Ref Date File Location

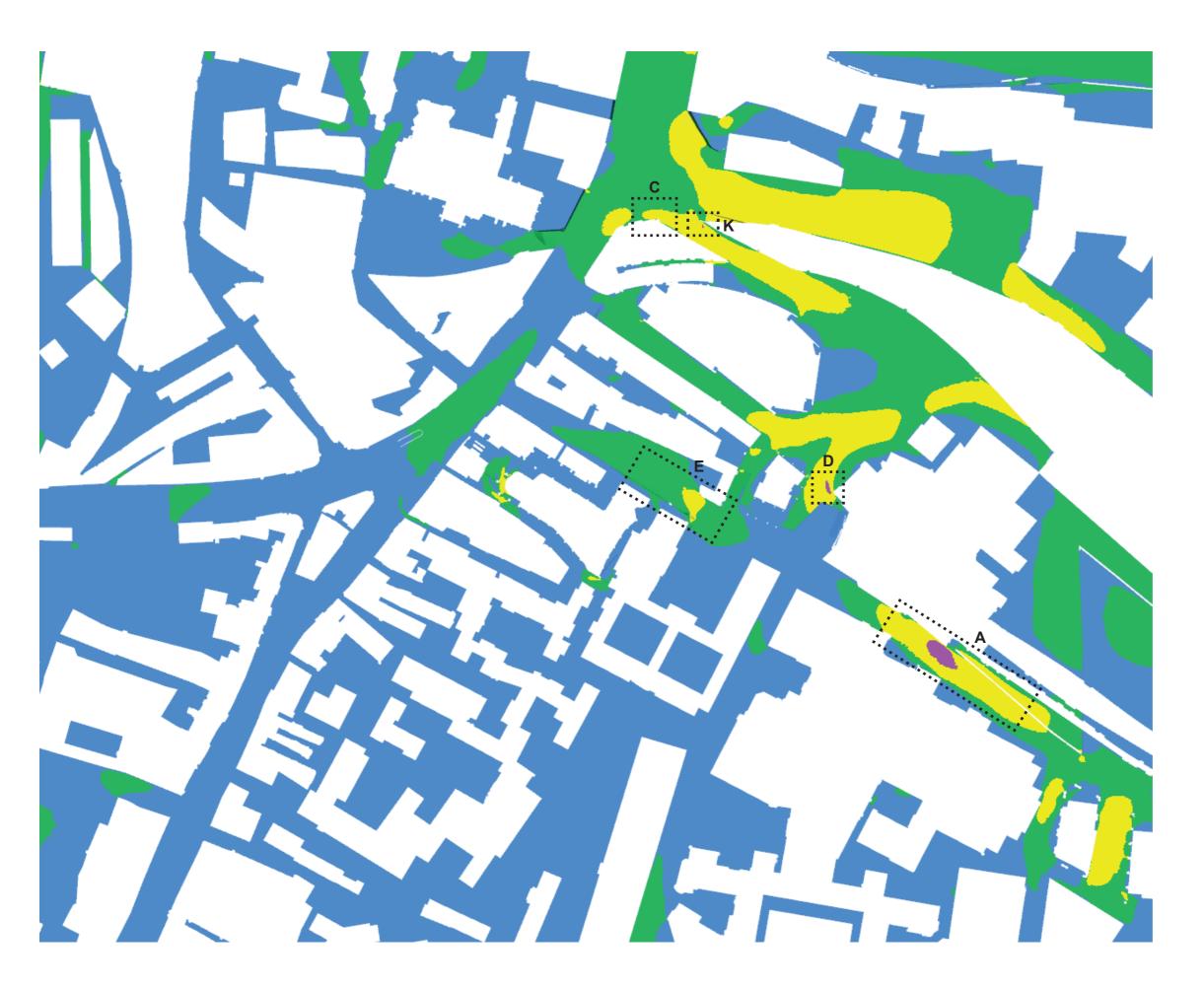
WIE11375-103: New City Court

Figure 12.32: Annual Wind Safety for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes (Ground Level)

WIE11375-103_GR_ES_12.32A

2021

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Source: Wirth Research

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Comfort Category

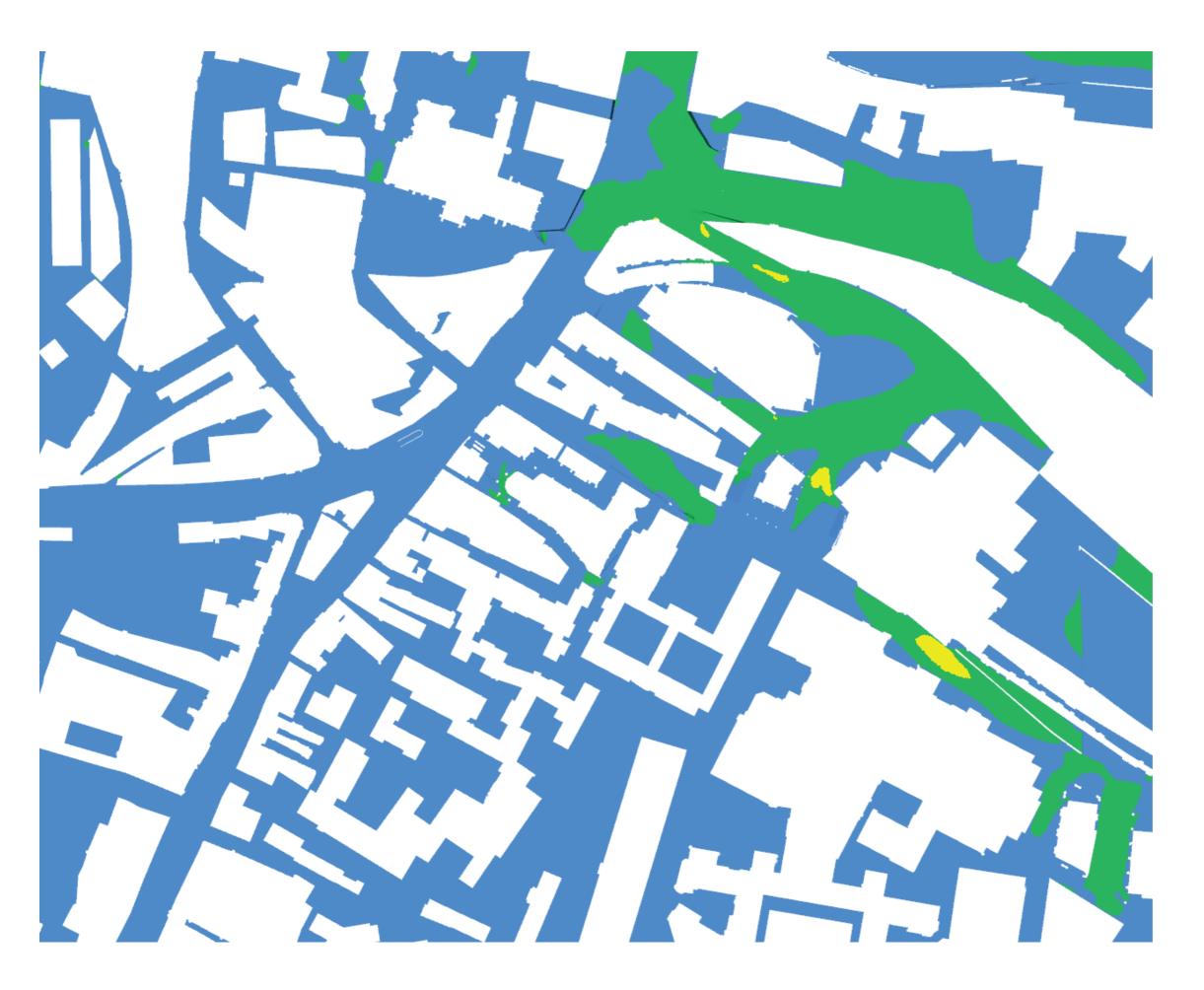
Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.33: Winter Wind Comfort for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes. Wider local area view (Ground Level) WIE11375-103_GR_ES_12.33A 2021



Source: Wirth Research

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Comfort Category

Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.34: Summer Wind Comfort for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes. Wider local area view (Ground Level) WIE11375-103_GR_ES_12.34A

2021





Safety Category



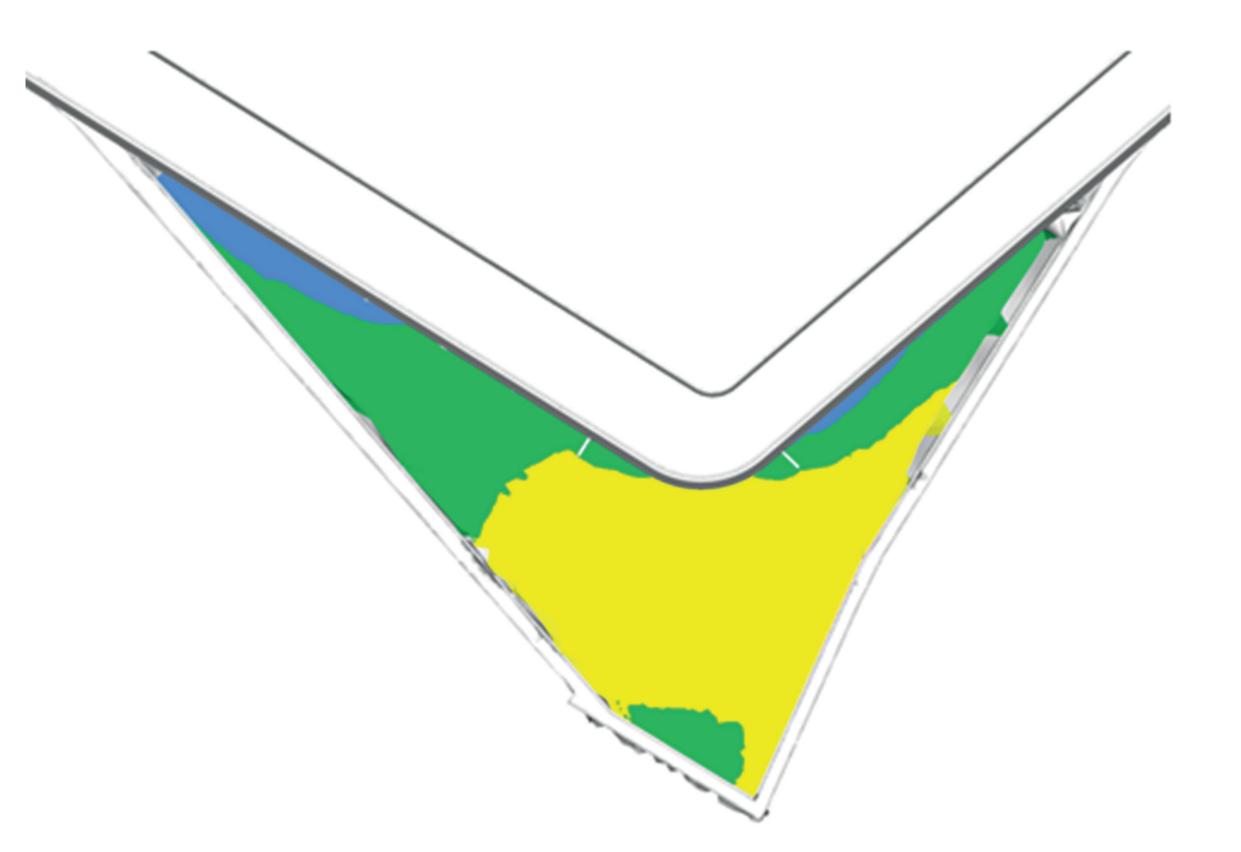


Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.35: Annual Wind Safety for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes. Wider local area view (Ground Level) WIE11375-103_GR_ES_12.35A 2021

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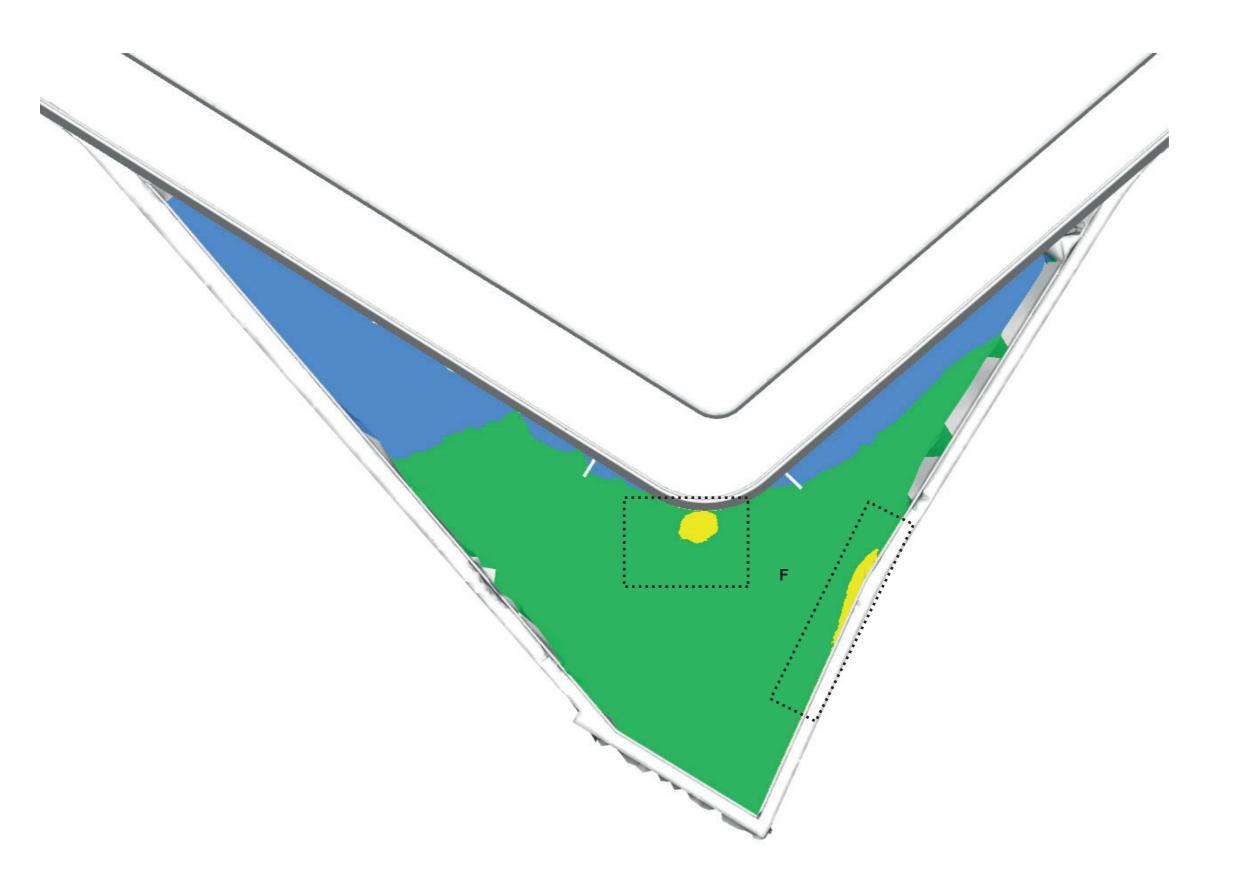
Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.36: Podium Terrace Winter Wind Comfort for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes WIE11375-103_GR_ES_12.36A 2021





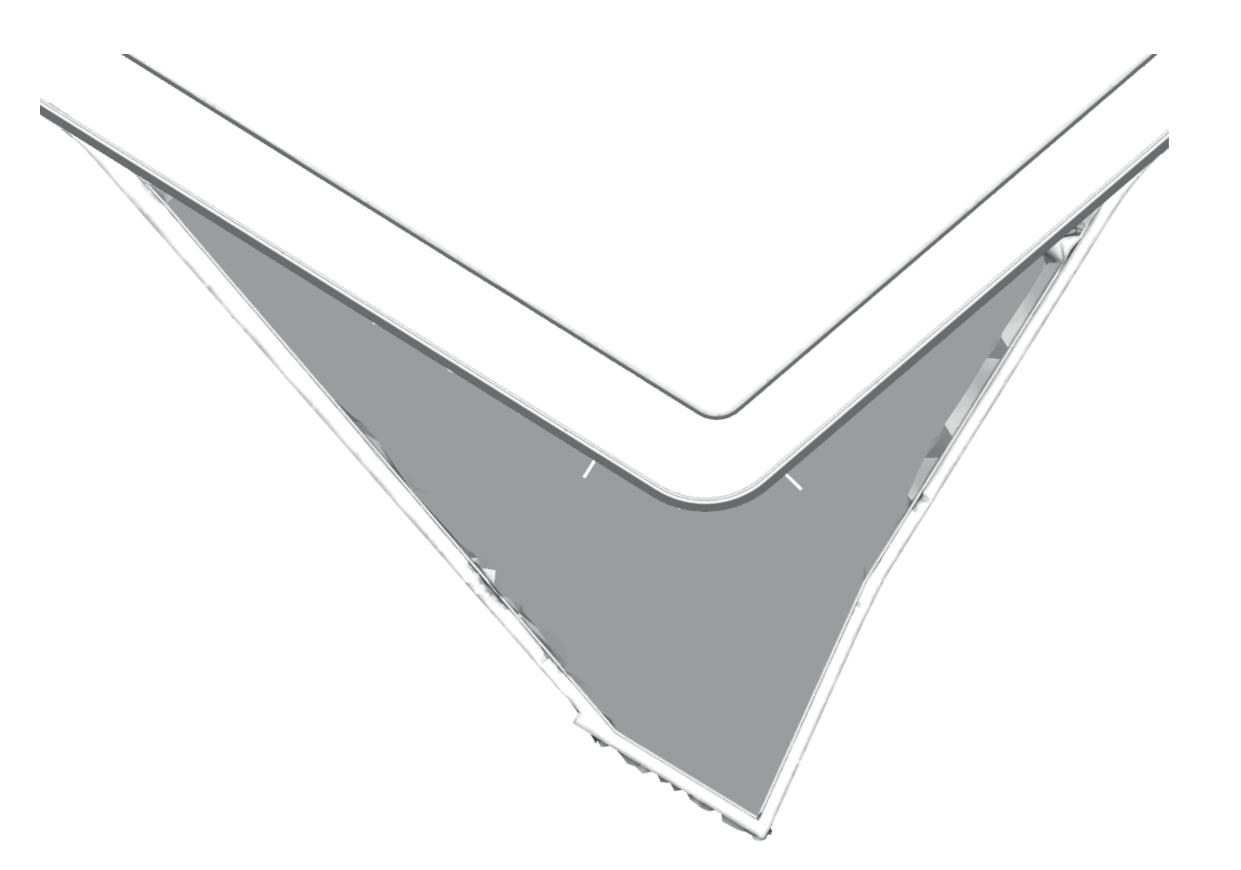
Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.37: Podium Terrace Summer Wind Comfort for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes WIE11375-103_GR_ES_12.37A 2021





Safety Category





Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.38: Podium Terrace Annual Wind Safety for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes WIE11375-103_GR_ES_12.38A 2021





Comfort Category

Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable

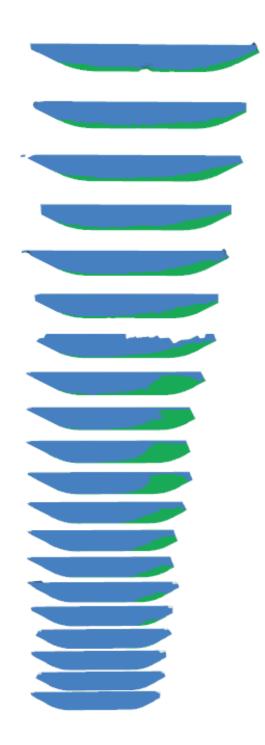


Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.39: Northern Balconies Winter Wind Comfort for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes WIE11375-103_GR_ES_12.39A

2021





Comfort Category

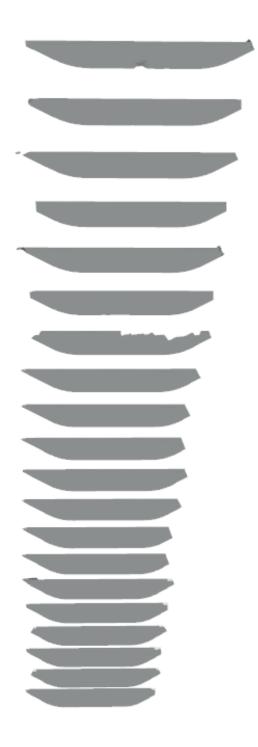
Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.40: Northern Balconies Terrace Summer Wind Comfort for Configuration 3 – The completed and operational Development with the baseline and cumulative scheme WIE11375-103_GR_ES_12.40A 2021





Safety Category





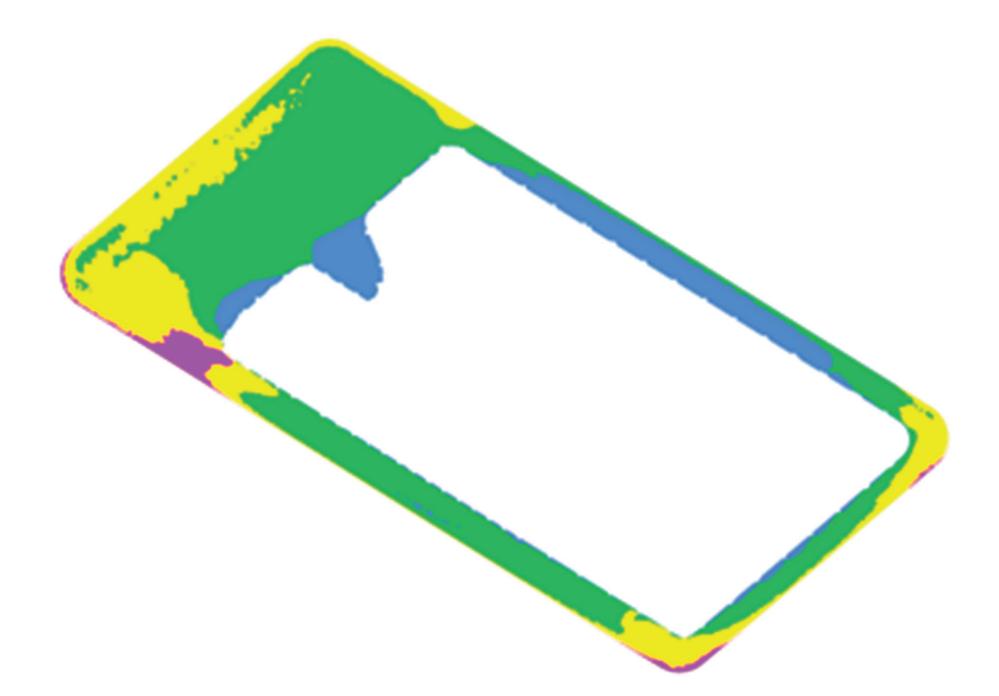
Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.41: Northern Balconies Annual Wind Safety for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes WIE11375-103_GR_ES_12.41A

2021

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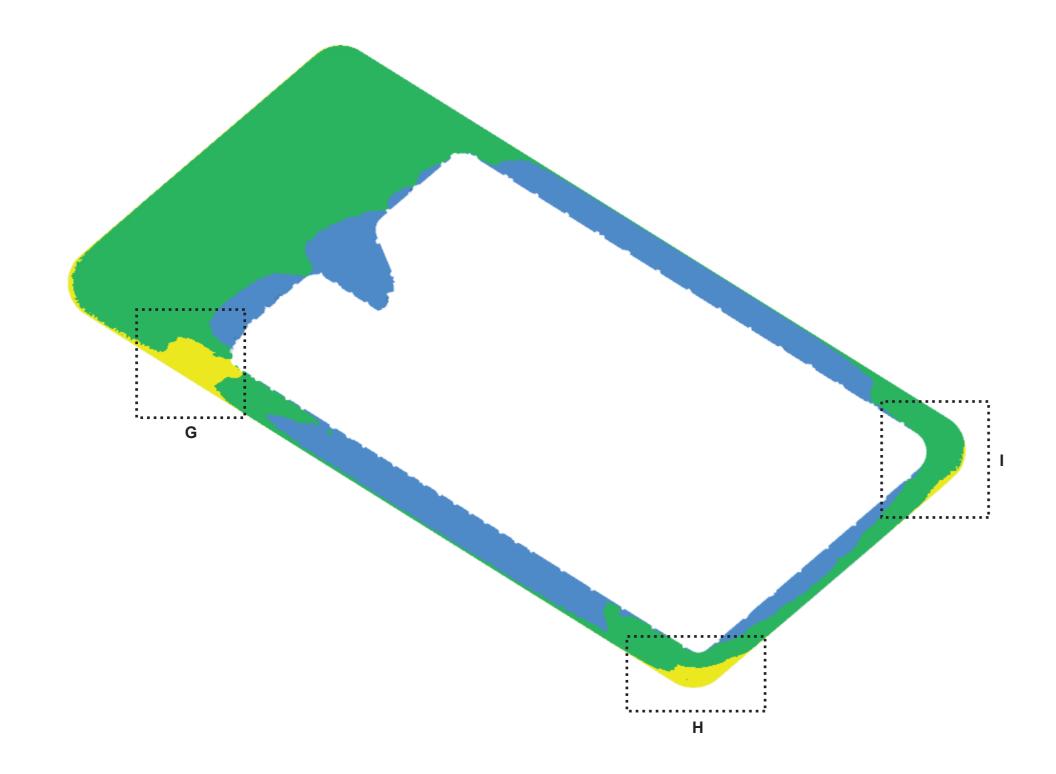
Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.42: Roof Terrace Winter Wind Comfort for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes WIE11375-103_GR_ES_12.42A 2021





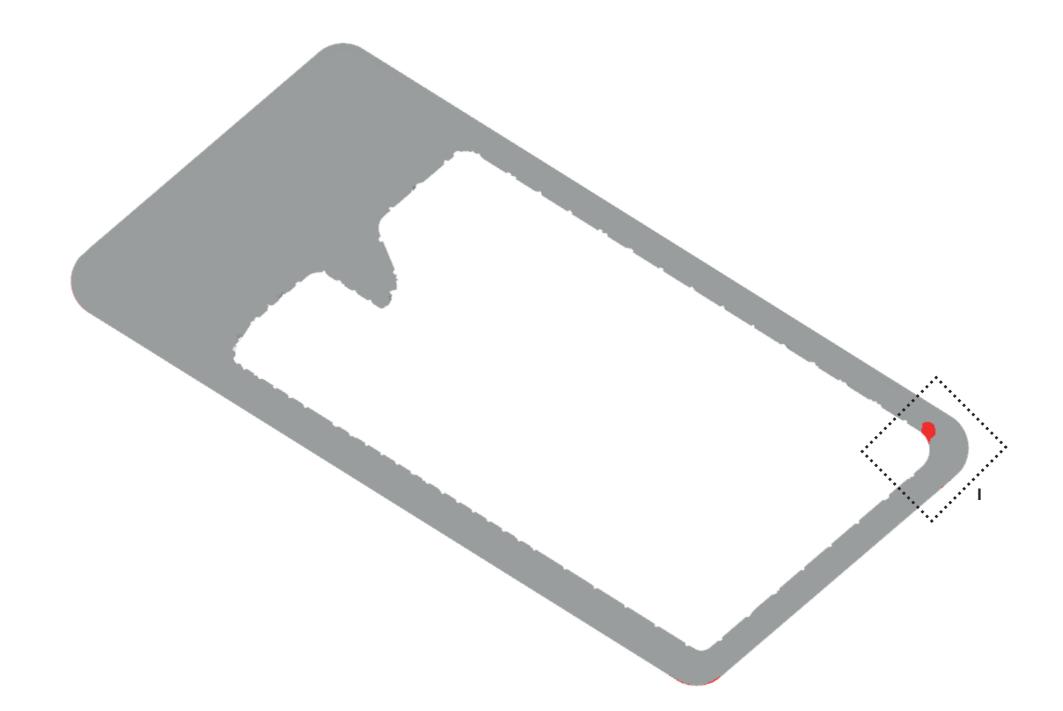
Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable



Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.43: Roof Terrace Summer Wind Comfort for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes WIE11375-103_GR_ES_12.43A 2021





Safety Category

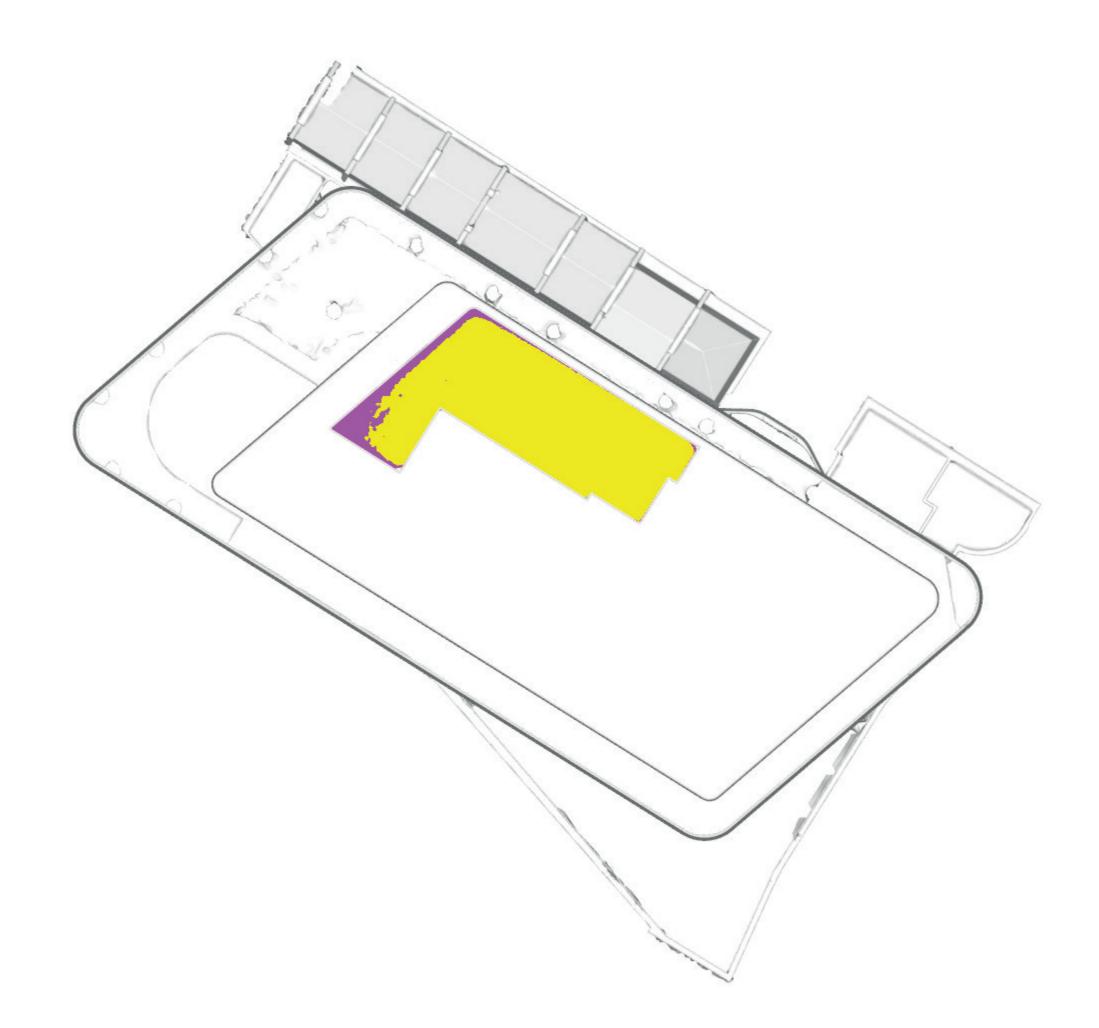




Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.44: Roof Terrace Annual Wind Safety for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes WIE11375-103_GR_ES_12.44A 2021





Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable

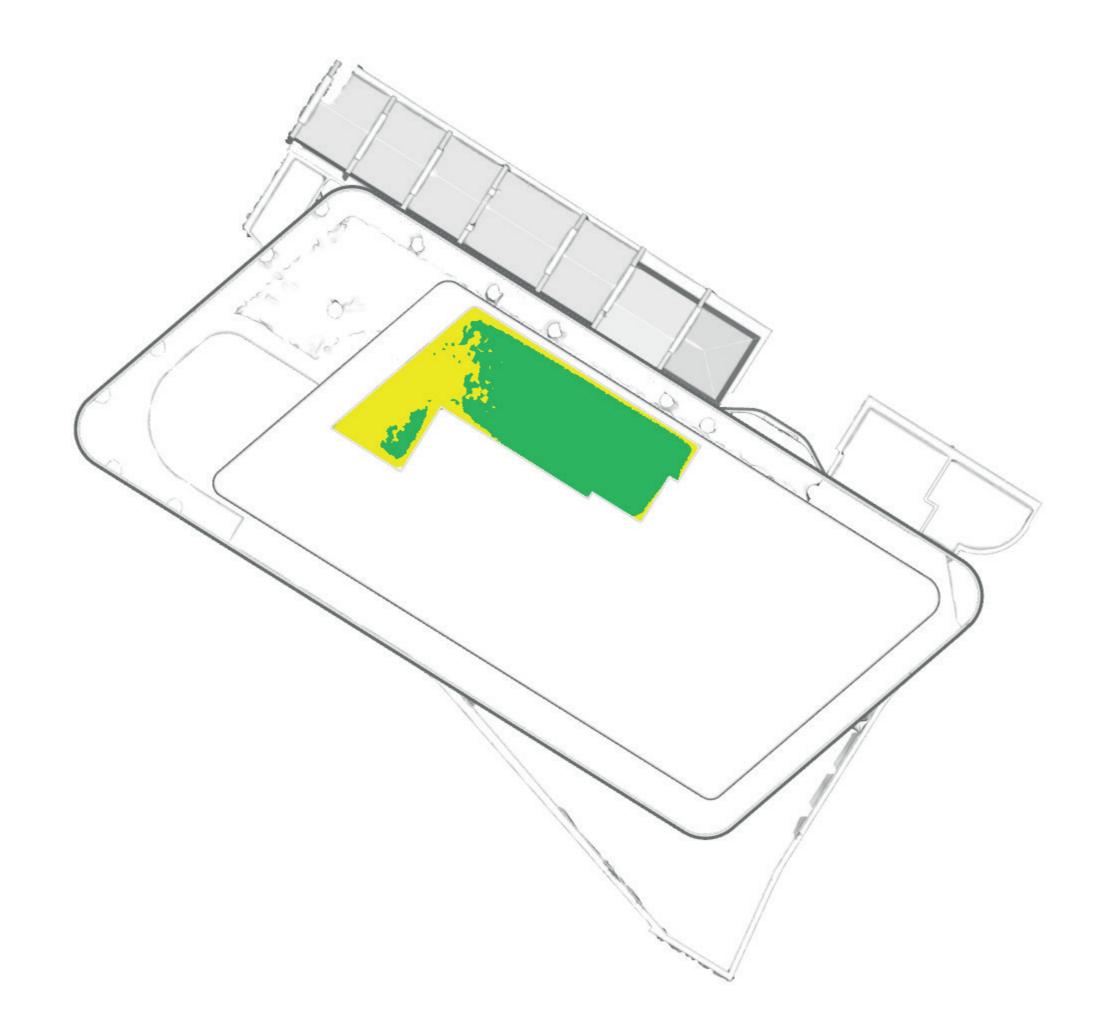


Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.45: Upper Roof Terrace Winter Wind Comfort for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes WIE11375-103_GR_ES_12.45A

2021





Sitting
Standing
Leisure Walking
Business Walking
Uncomfortable

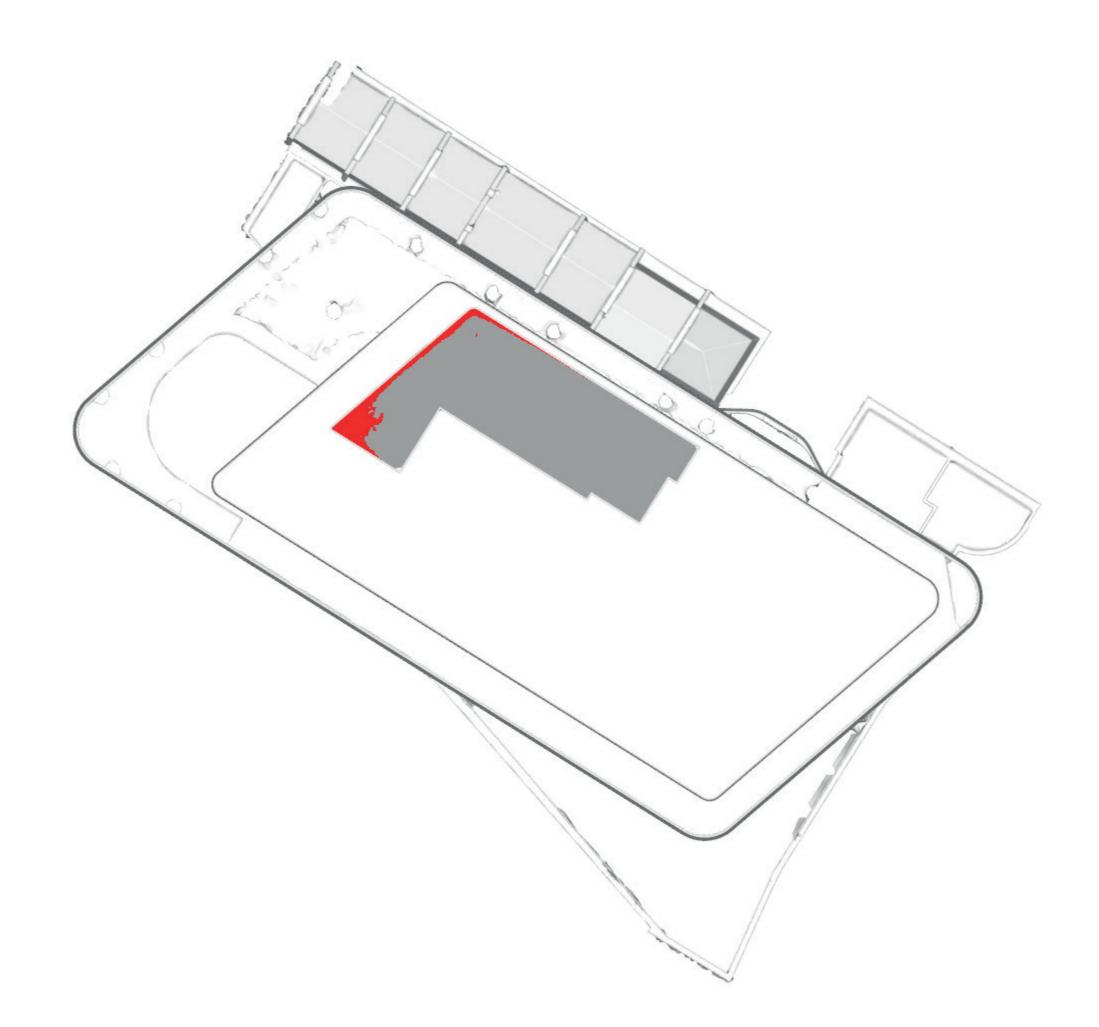


Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.46: Upper Roof Terrace Summer Wind Comfort for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes WIE11375-103_GR_ES_12.46A

2021





Safety Category





Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court Figure 12.47: Upper Roof Terrace Annual Wind Safety for Configuration 3 – The completed and operational Development with the baseline and cumulative schemes WIE11375-103_GR_ES_12.47A

2021





-	Site
	Commerical
	Residential
	Mixed Use (Commercial for lower floors with residential above)
	Educational
	Subject to redevelopment
	Hospital
	Hotel
	Religious Building



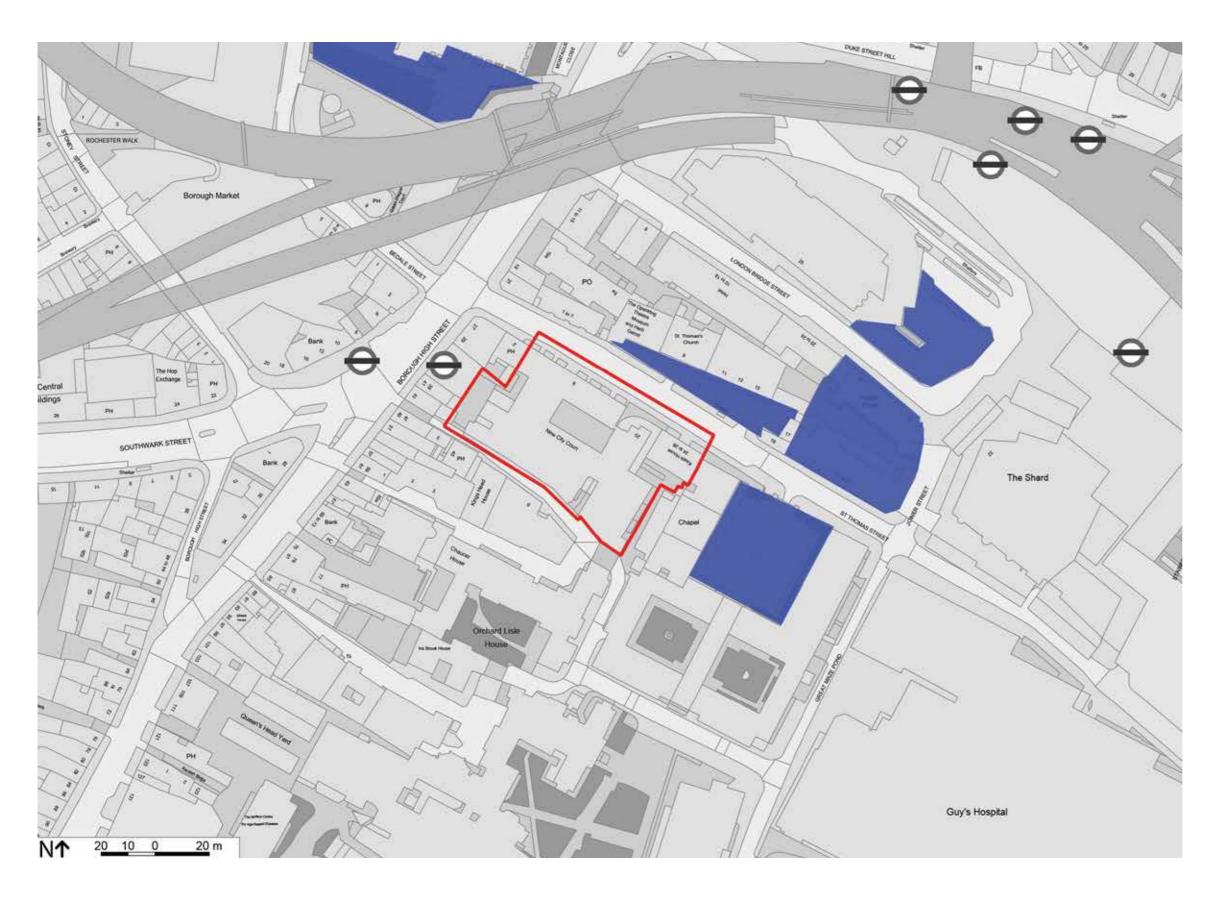
Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court

Figure 13.1: Map of Sensitive Daylight and Sunlight Receptors

WIE11375-103_GR_ES_13.1A 2021 \\s-Incs\wiel\projects\wie11375\103\graphics\es\issued figures







Project Details

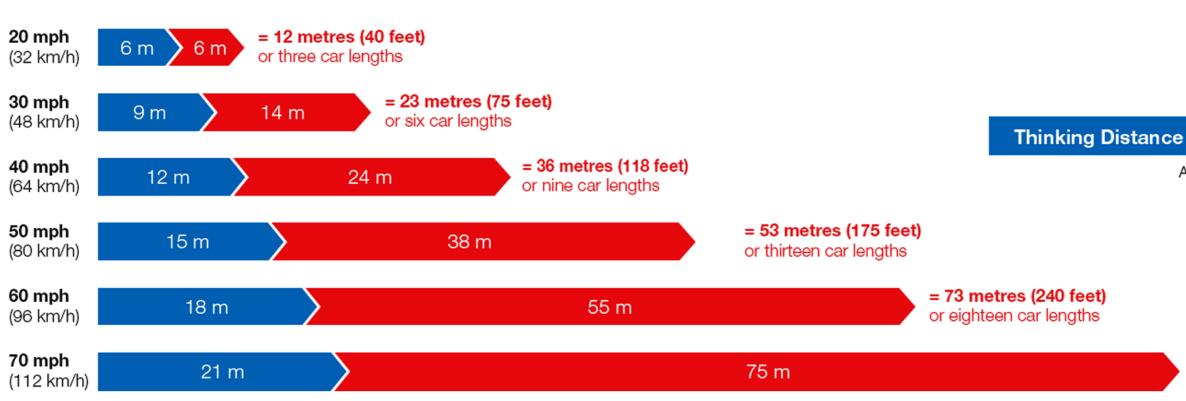
Figure Title

Figure Ref Date File Location

WIE11375-103: New City Court

Figure 13.2: Map of Amenity Area Assessed for Overshadowing

WIE11375-103_GR_ES_13.2A 2021 \\s-Incs\wiel\projects\wie11375\103\graphics\es\issued figures



Typical Stopping Distances



Braking Distance

Average car length = 4 metres (13 feet)



= 96 metres (315 feet) or twenty-four car lengths

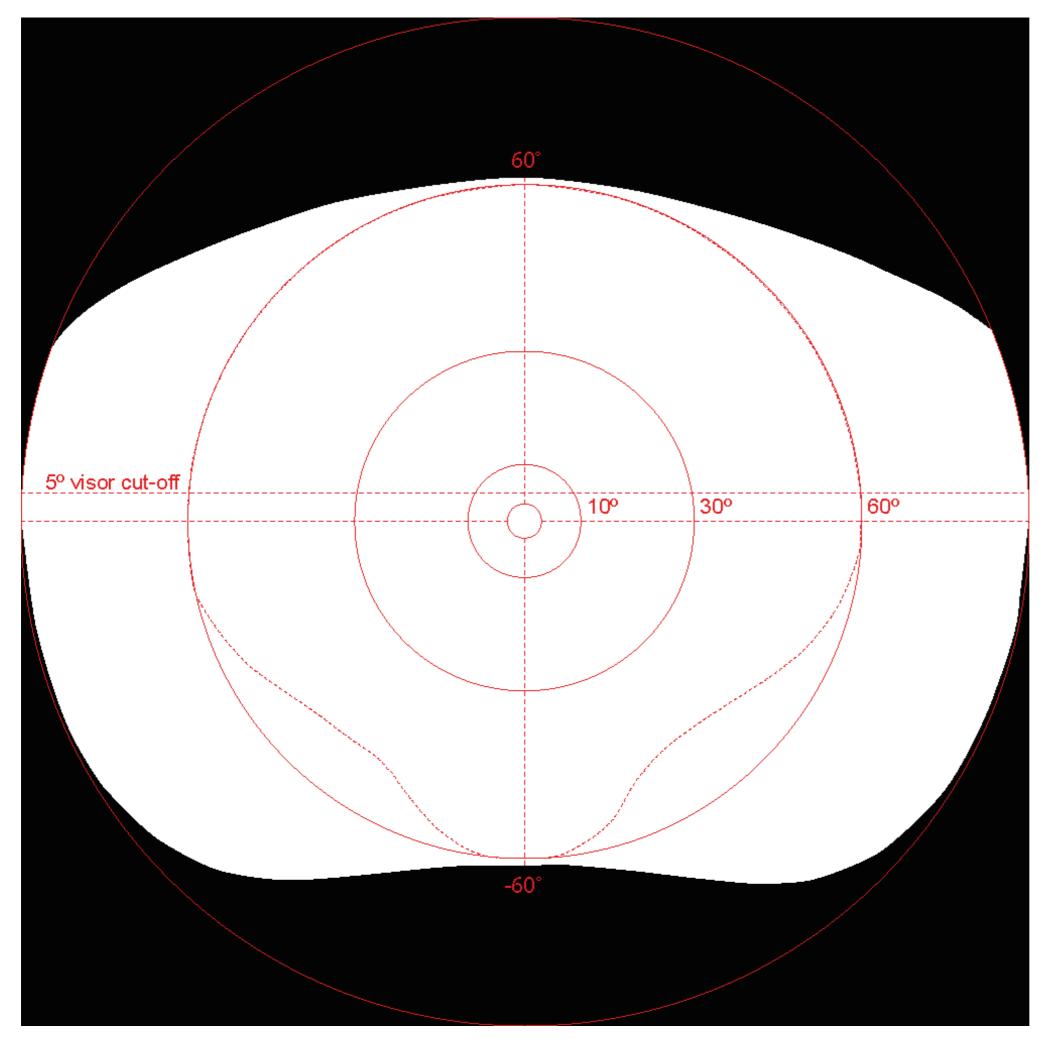
Project Details

Figure Title

Figure Ref Date File Location WIE11375-103: New City Court

Figure 13.3: Typical Stopping Distance Range for a Car Travelling at Different Speeds

WIE11375-103 GR ES 13.3A 2021 \\s-Incs\wiel\projects\wie11375\103\graphics\es\issued figures



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Pro	ect	Details	

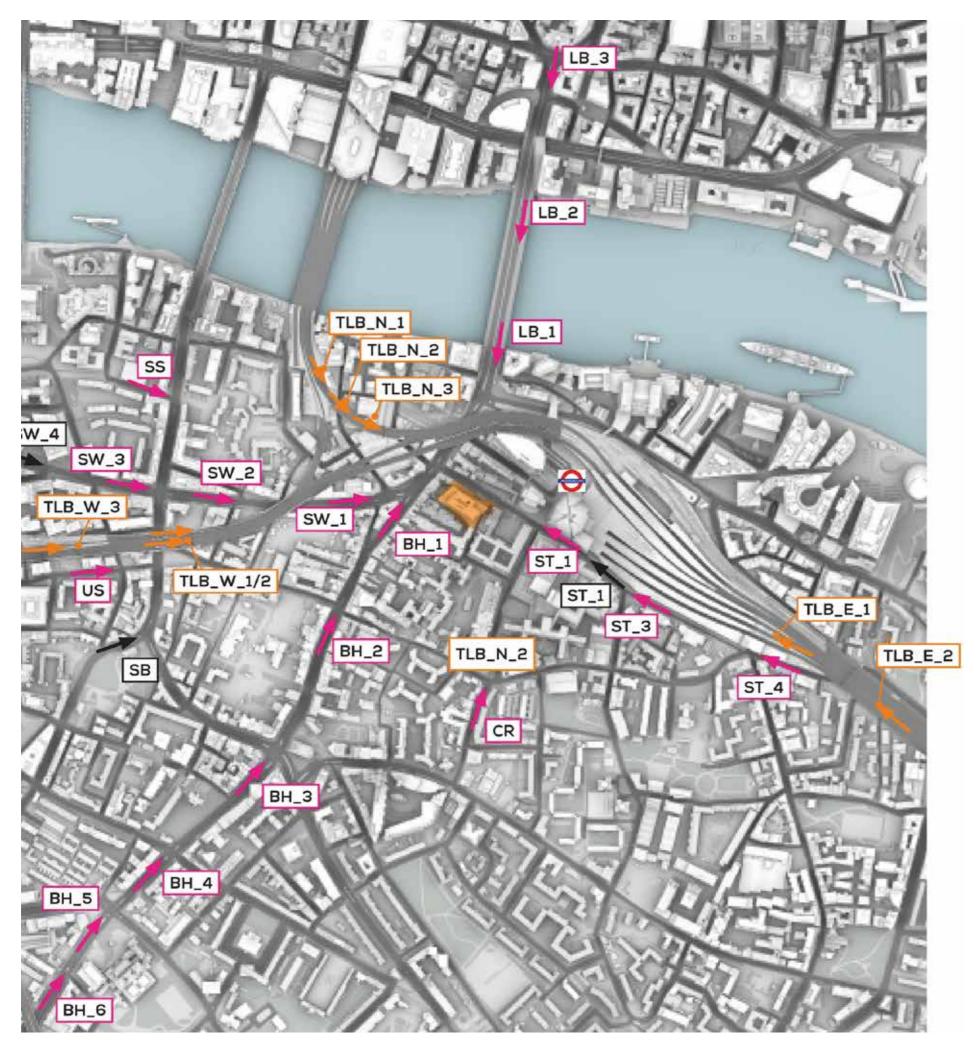
Figure Title

Figure Ref Date File Location

WIE11375-103: New City Court

Figure 13.4: Degrees of Vision Corresponding to the Foveal View WIE11375-103_GR_ES_13.4A 2021

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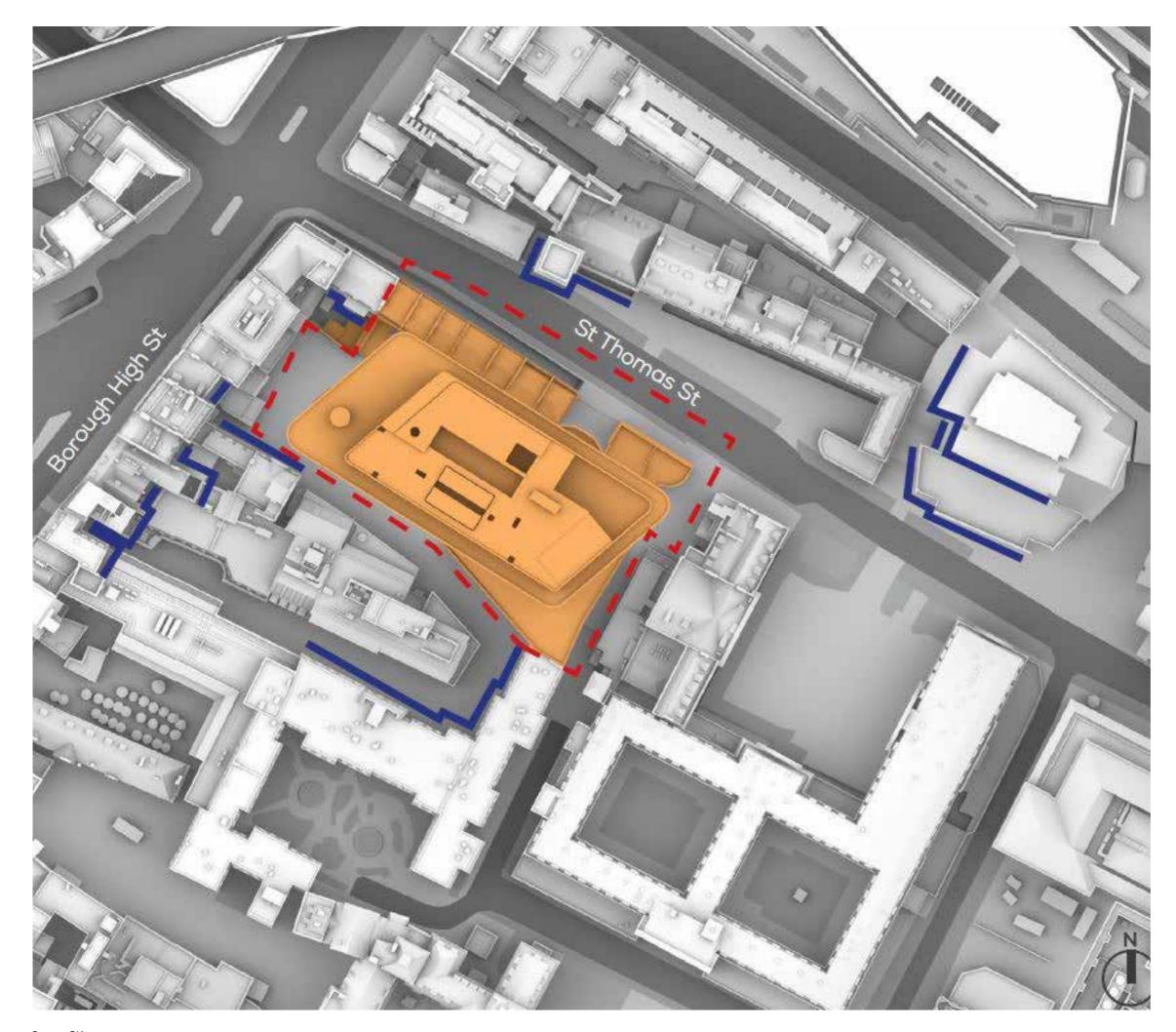


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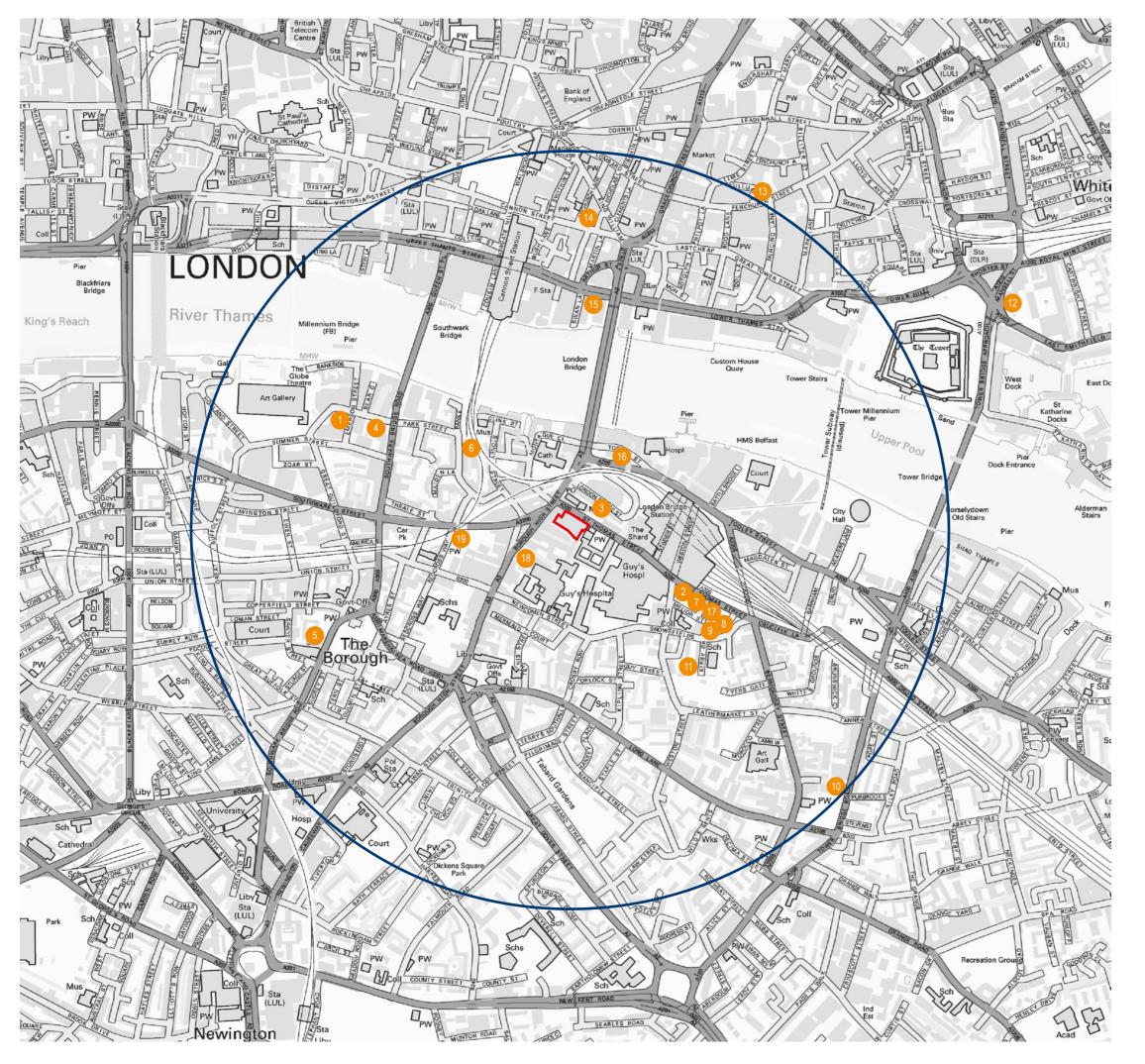
 Road Junctions / Traffic Lights
 Train Tracks / Train Signals
 Proposal not visible from viewpoint

Project Details	WIE11375-103: New City Court
Figure Title	Figure 13.5: Sensitive Viewpoints for Solar Glare
Figure Ref	WIE11375-103_GR_ES_13.5A
Date	2021
File Location	\\s-Incs\wiel\projects\wie11375\103\graphics\es\issued figures

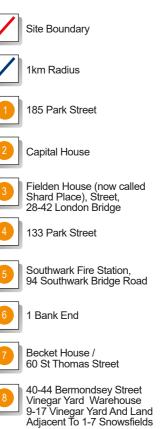




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2-4 Melor Place





Guinness Court, Snowsfields Street



Royal Mint Court



130 Fenchurch Street



Site Bounded by King William Street, Cannon Street, Abchurch Lane & Nicholas Street



Seal House, 1 Seal Lane



Colechurch House, London Bridge Walk



Land bounded by St Thomas Street, Fenning Street, Vinegar Yard and Snowfields including no. 1-7 & 9 Fenning Street



Kings College London, Land rear of 89-111 Borough High Street



Landmark Court, land bounded by Southwark Street, Redcross Way and Cross Bones Graveyard



Project Details

Figure Title

Figure Ref Date File Location

WIE11375-103: New City Court

Figure 14.1: Location of Cumulative Schemes Assessed

WIE11375-103_GR_ES_14.1A 2021

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