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Acknowledgment of Country

Our Sydney studio is located on Gadigal country. We acknowledge and respect the Gadigal people as the original custodians of the land and water upon which we work. We honour their Elders past, present and emerging whose knowledge and wisdom has, and will, ensure the continuation of cultures and traditional practices.

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OVERSHADOWING DRAWINGS

OVERSHADOWING DRAWING

Summer Solstice

Diagrams below illustrates the shadow cast by the amended planning proposal from 9:00am to 3:00pm on summer solstice.

















OVERSHADOWING DRAWING

Winter Solstice

Diagrams below illustrates the shadow cast by the amended planning proposal from 9:00am to 3:00pm on winter solstice.

















OVERSHADOWING DRAWING Equinox

Diagrams below illustrates the shadow cast by the amended planning proposal from 9:00am to 3:00pm on equinox.

















WATERLOO PARK SOLAR ANALYSIS

WATERLOO PARK Solar Impact Analysis

The proposed block 7A Tower improves upon the solar amenity to Waterloo Park compared to the City of Sydney Planning Proposal

The City of Sydney planning proposal has been tested to consider an overshadowing baseline to Waterloo Park.

The drawing to the right shows the planning proposal as having:

- In Shadow = 38% / 4836 sqm
- In Sun = 62% / 7812 sqm
- (A minimum of 4 hours+ of 50% of solar access required in winter)

The amended building envelope has a marginally improved outcome:

- In Shadow = 37% / 4685 sqm
- In Sun = 63% / 7963 sqm
- (A minimum of 4 hours+ of 50% of solar access required in winter)



City of Sydney Planning Proposal Massing - Solar access to Waterloo Park with surrounding built form



Amended Planning Proposal - Solar access to Waterloo Park with surrounding built form

WATERLOO PARK Solar Impact Analysis

The proposed block 7A Tower improves upon the solar amenity to block 6A and 10B east elevation compared to the City of Sydney Planning Proposal

The City of Sydney planning proposal has been tested to consider an overshadowing baseline to adjacent development.

The drawing to the right shows the planning proposal impact to the street facades of future residential development:

- Block 6A:

- In Shadow = 36% / 735 sqm
- In Sun = 64% / 1290 sqm
- (A minimum of 2 hours+ of 50% of solar access required in winter)

- Block 10B:

- In Shadow = 0.5% / 10 sqm
- In Sun = 99.5% / 2158 sqm
- (A minimum of 2 hours+ of 50% of solar access required in winter)

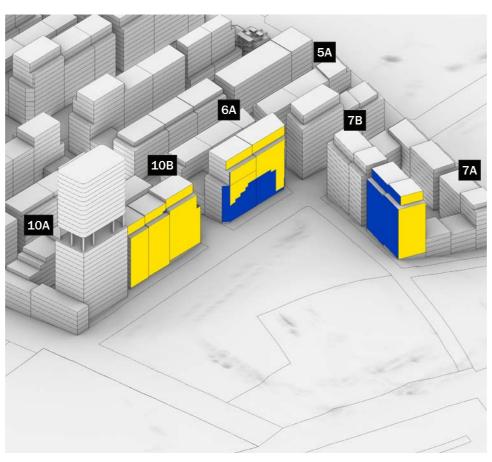
The amended building envelope has an improved outcome:

- Block 6A:

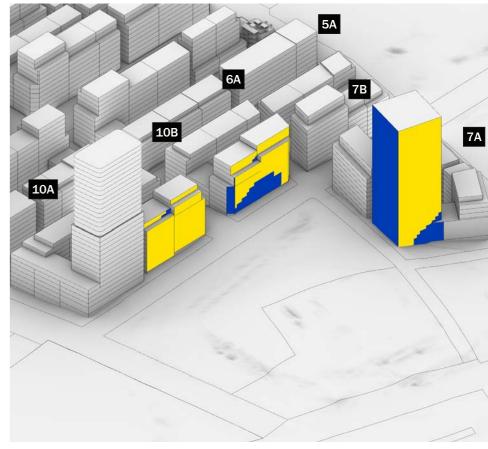
- In Shadow = 31% / 508 sqm
- In Sun = 69% / 1130 sqm
- (A minimum of 2 hours+ of 50% of solar access required in winter)

- Block 10B:

- In Shadow = 2% / 26 sqm
- In Sun = 98% / 1444 sqm
- (A minimum of 2 hours+ of 50% of solar access required in winter)



City of Sydney Planning Proposal Massing - Solar access to adjacent block 6A and 10B



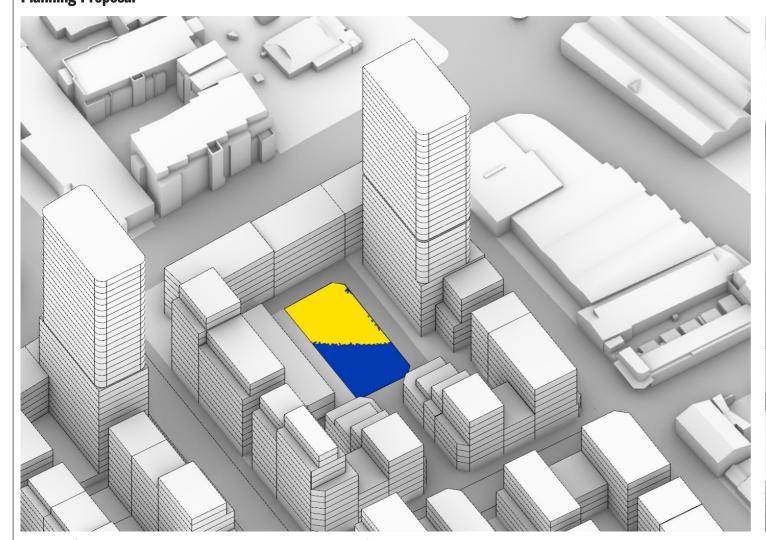
Amended Planning Proposal - Solar access to adjacent block 6A and 10B

SMALL PARK SOLAR ANALYSIS

SMALL PARK Solar Impact Analysis

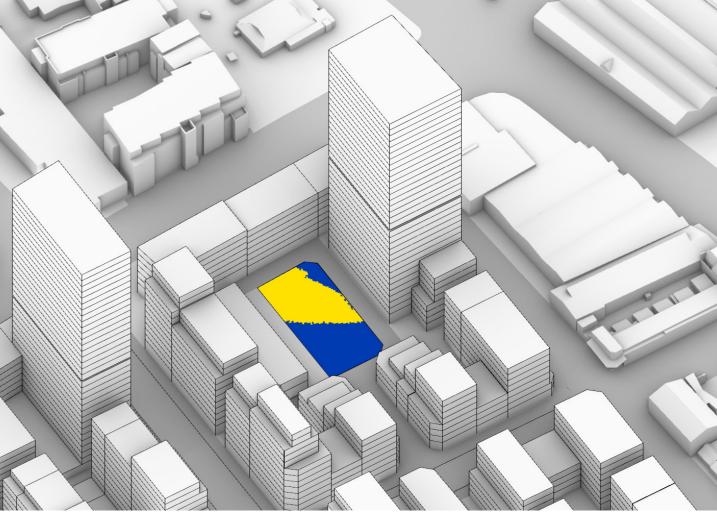
The larger tower footprint along McEvoy Street complies with the solar requirement to the small park in block 8.

Planning Proposal



56.5% of the small park receives more than 4 hours of sunlight bewteen 9:00am and 3:00pm mid winter

Proposed Amendments



50.25% of the small park receives more than 4 hours of sunlight bewteen 9:00am and 3:00pm mid winter

<4 hours of solar >4 hours of solar

HOURS OF SUNLIGHT

OUR LADY OF MOUNT CARMEL PARISH SOLAR ANALYSIS

OUR LADY OF MOUNT CARMEL PARISH Solar Impact Analysis

Our Lady of Mount Carmel Parish is located adjacent to Waterloo Park and to the South East of Block 7.



Waterloo South Planning Proposal Urban Design Review Hassell ©

OUR LADY OF MOUNT CARMEL PARISH Solar Impact Analysis

HOURS OF SUNLIGHT
<4 hours of solar</p>
>4 hours of solar

Existing Conditions
21st June 9:00am - 3:00pm

City of Sydney Planning Proposal 21st June 9:00am - 3:00pm

Amended Planning Proposal 21st June 9:00am - 3:00pm

Existing sunlight access mid winter of Our Lady of Mount Carmel Parish.

Minimal additional overshadowing to the thoroughfare compared to the existing contition.

Minimal additional overshadowing to the thoroughfare and lower play ground compared to City of Sydney Planning Proposal, where some of the shadowed area are occupied by existing trees.

