

GRIMSHAW

# Stage 1 Amending SSDA Shadow Analysis

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Metro Martin Place

AUGUST 2018

CSWSMP-MAC-SMA-UD-REP-000140



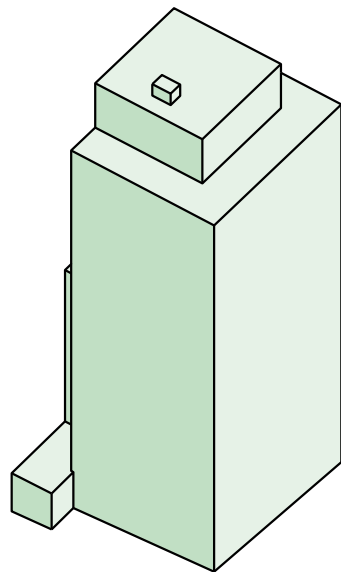
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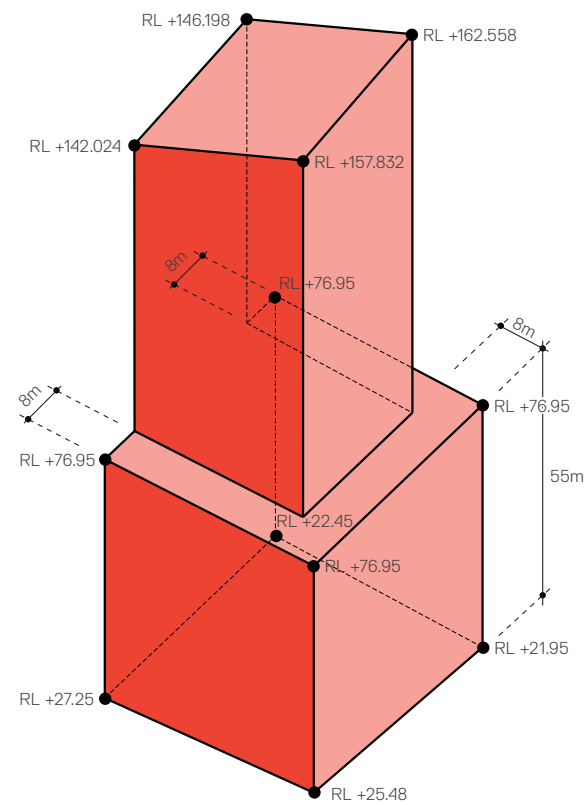
# Envelopes

## South site

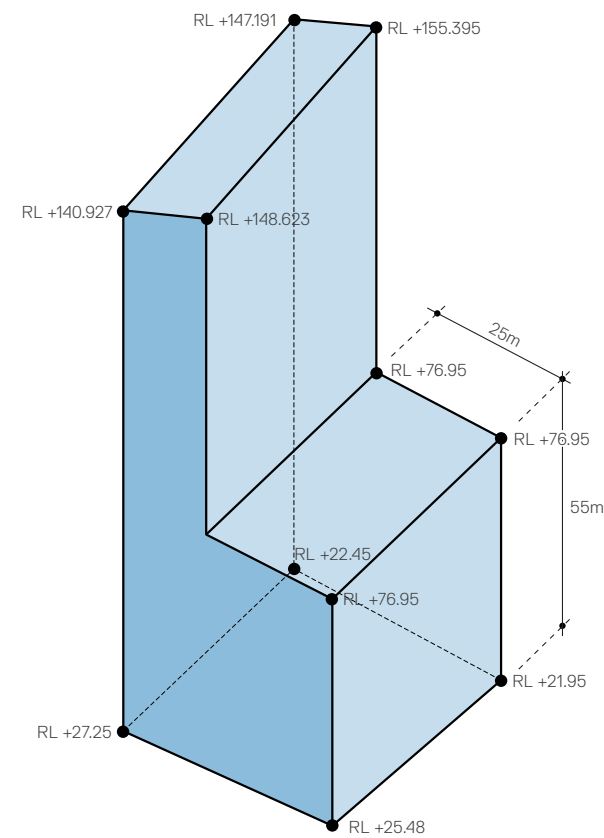
- Tops of envelopes have been determined by the agreed project Sun Access Plane.
- All ground level RLs are existing and have been taken from topographical survey (refer to drawing MPS\_COA\_000\_XX\_DR\_A\_DA1001\_02).
- 55m podium height measurement taken from the north-west corner of the site (being the lowest corner).



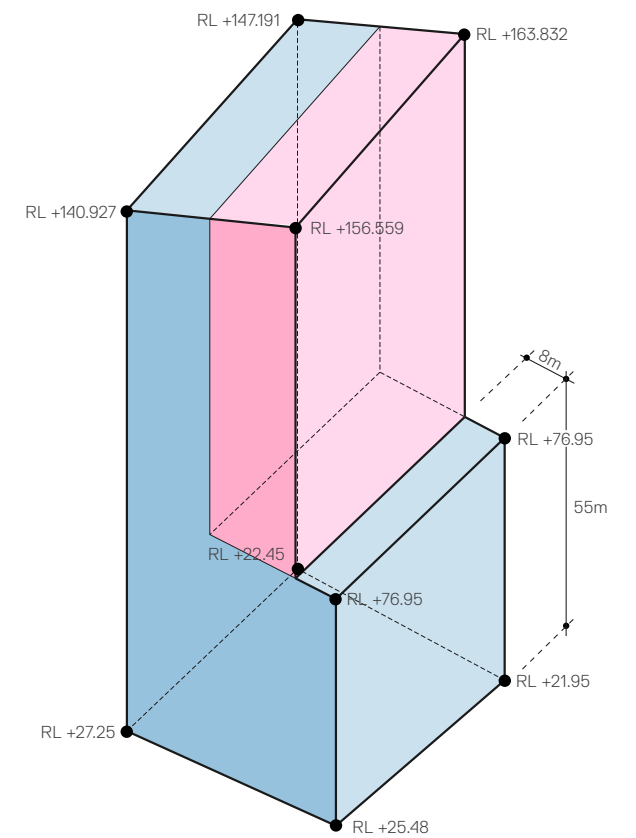
Existing/pre-demolished  
(diagrammatic form)



DCP/LEP compliant envelope



Approved Stage 1 DA envelope (SSD 8351)



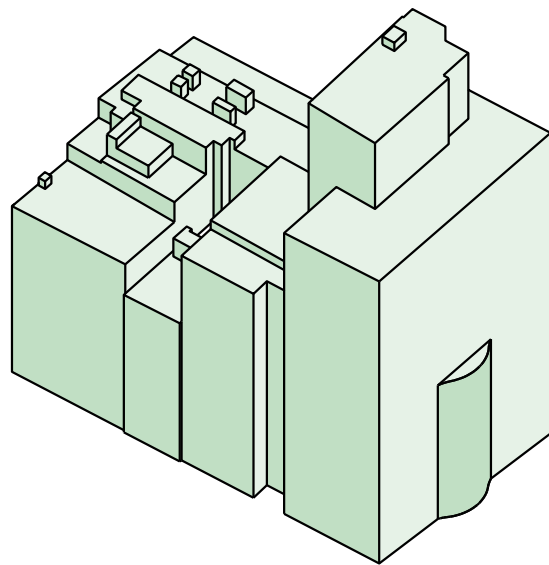
Proposed Stage 1 Amending DA envelope



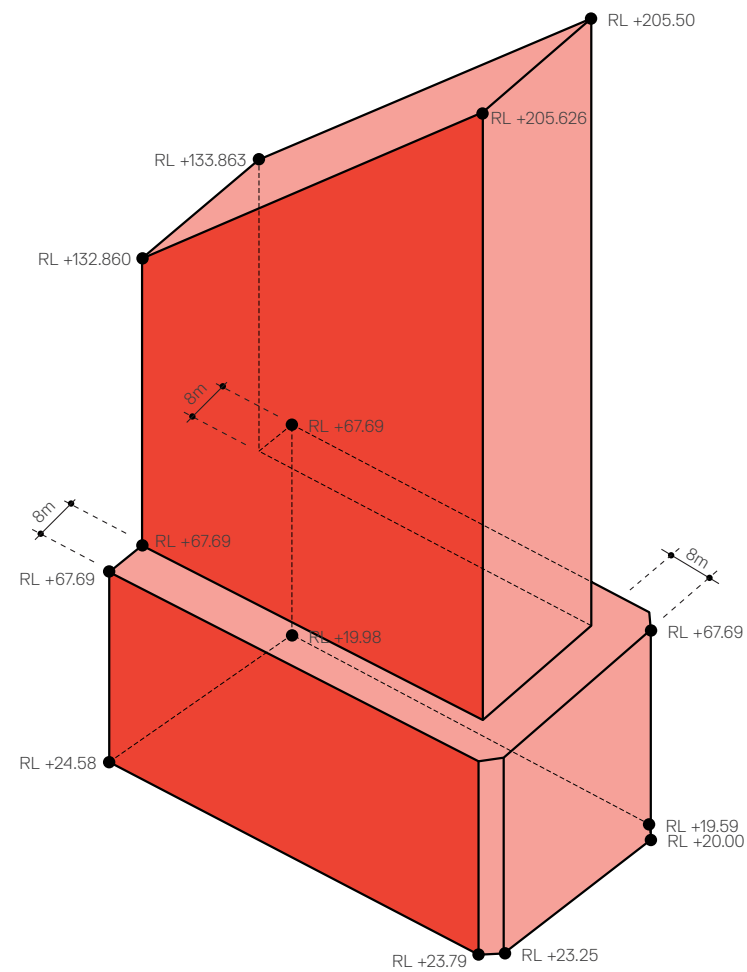
# Envelopes

## North site

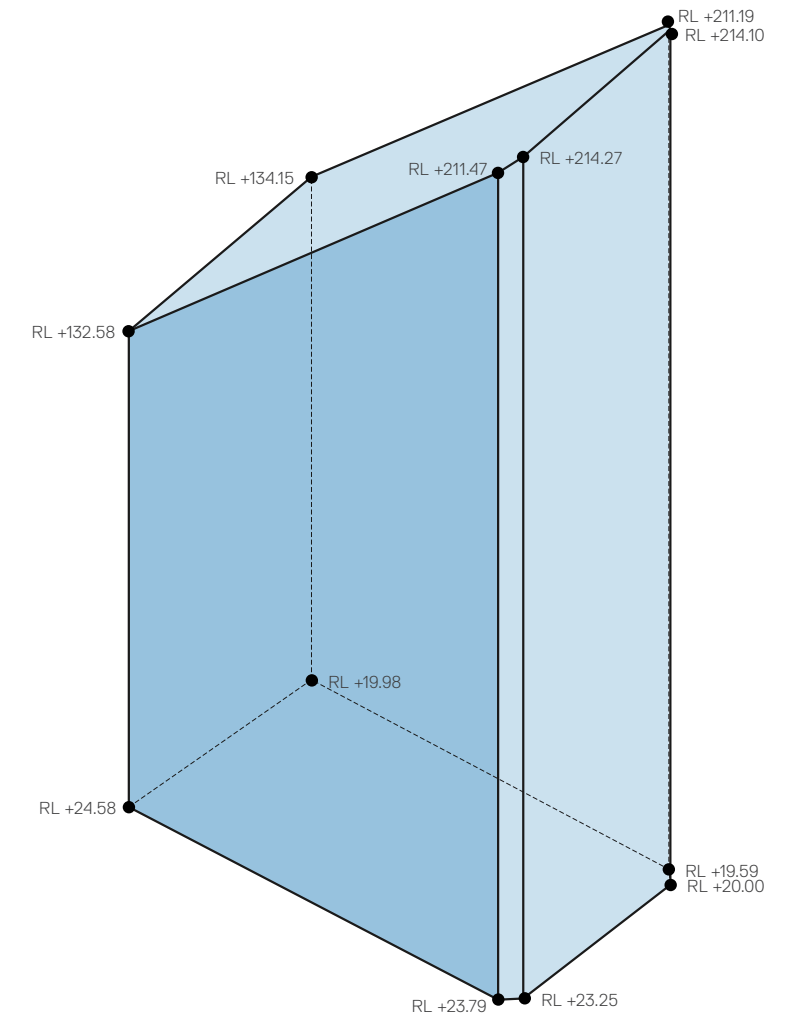
- Tops of envelopes have been determined by the agreed project Sun Access Plane.
- All ground level RLs are existing and have been taken from topographical survey (refer to drawing MPS\_COA\_000\_XX\_DR\_A\_DA1001\_02).
- Podium height derived from the existing 50 Martin Place parapet height.



Existing/predemolished (diagrammatic form)

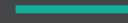


DCP/LEP compliant envelope



Proposed Stage 1 Amending DA envelope  
(no change from approved Stage 1 DA envelope [SSD 8351])



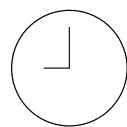


# Shadow Analysis

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December 21  
09:00\_15:00





December 21  
9:00

#### SHADOWS KEY

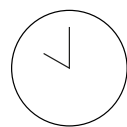
- Existing surrounding
- Existing/predemolished buildings on North and South Sites
- Approved Stage 1 DA envelope
- Additional shadow cast by proposed Stage 1 Amending DA envelope
- DCP/LEP compliant envelope

#### Note

- Colours of shadow may vary in intensity due to sun intensity and environment.
- Overshadowing identified in red is approximate and indicative only.
- All shadow studies should be verified by an independent third party. Grimshaw recommend that detailed studies should be carried out by a surveyor.
- Buildings are taken from the CoS city model. Topography model provided by AAM with some minor modifications by Grimshaw. 148 King Street model provided by Ethos Urban.







December 21  
10:00

#### SHADOWS KEY

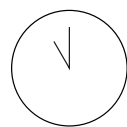
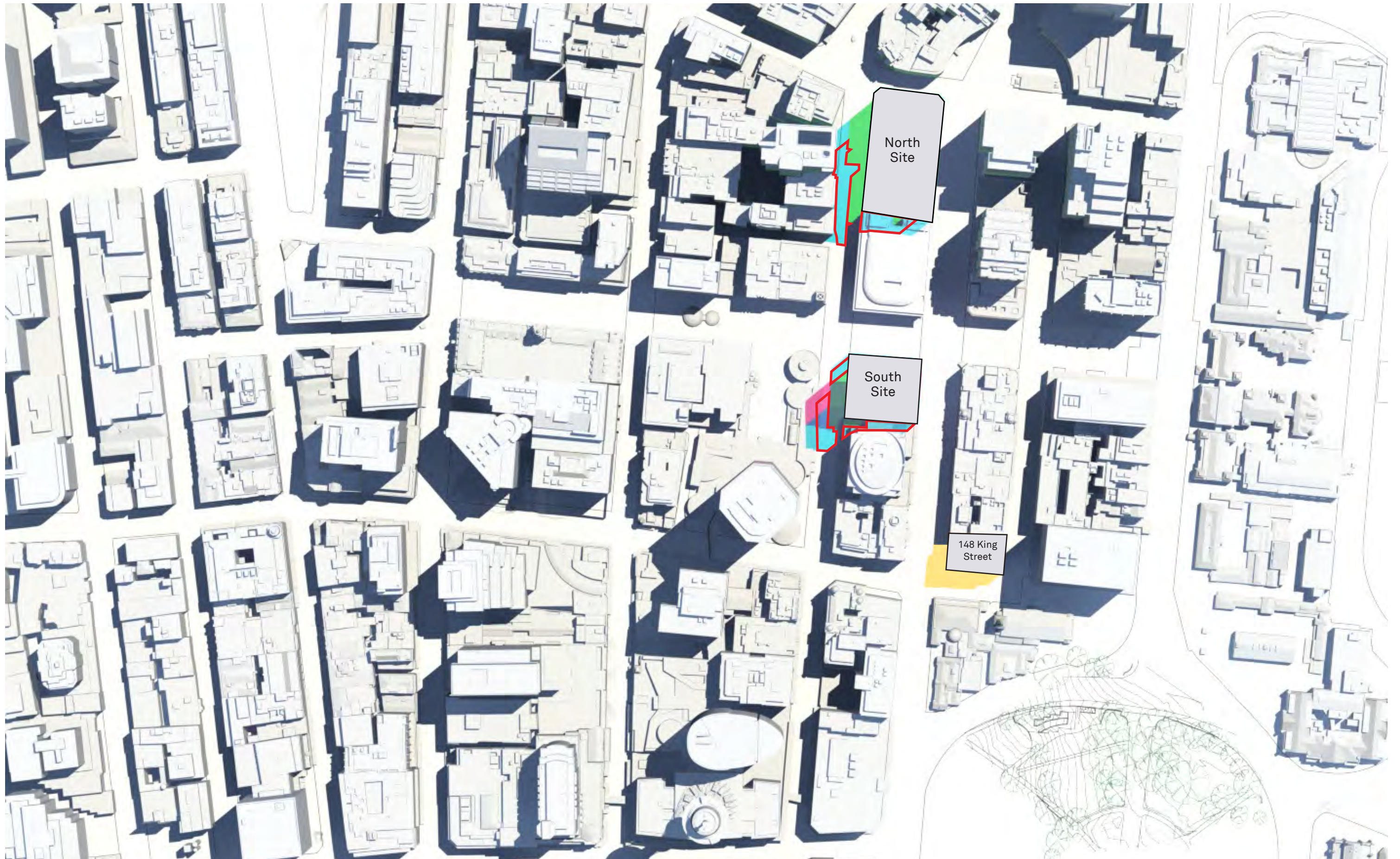
- Existing surrounding
- Existing/predemolished buildings on North and South Sites
- Approved Stage 1 DA envelope
- Additional shadow cast by proposed Stage 1 Amending DA envelope
- DCP/LEP compliant envelope
- 148 King Street Stage 2 approved building form

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December 21  
11:00

#### SHADOWS KEY

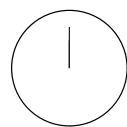
- Existing surrounding
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December 21  
12:00

#### SHADOWS KEY

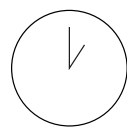
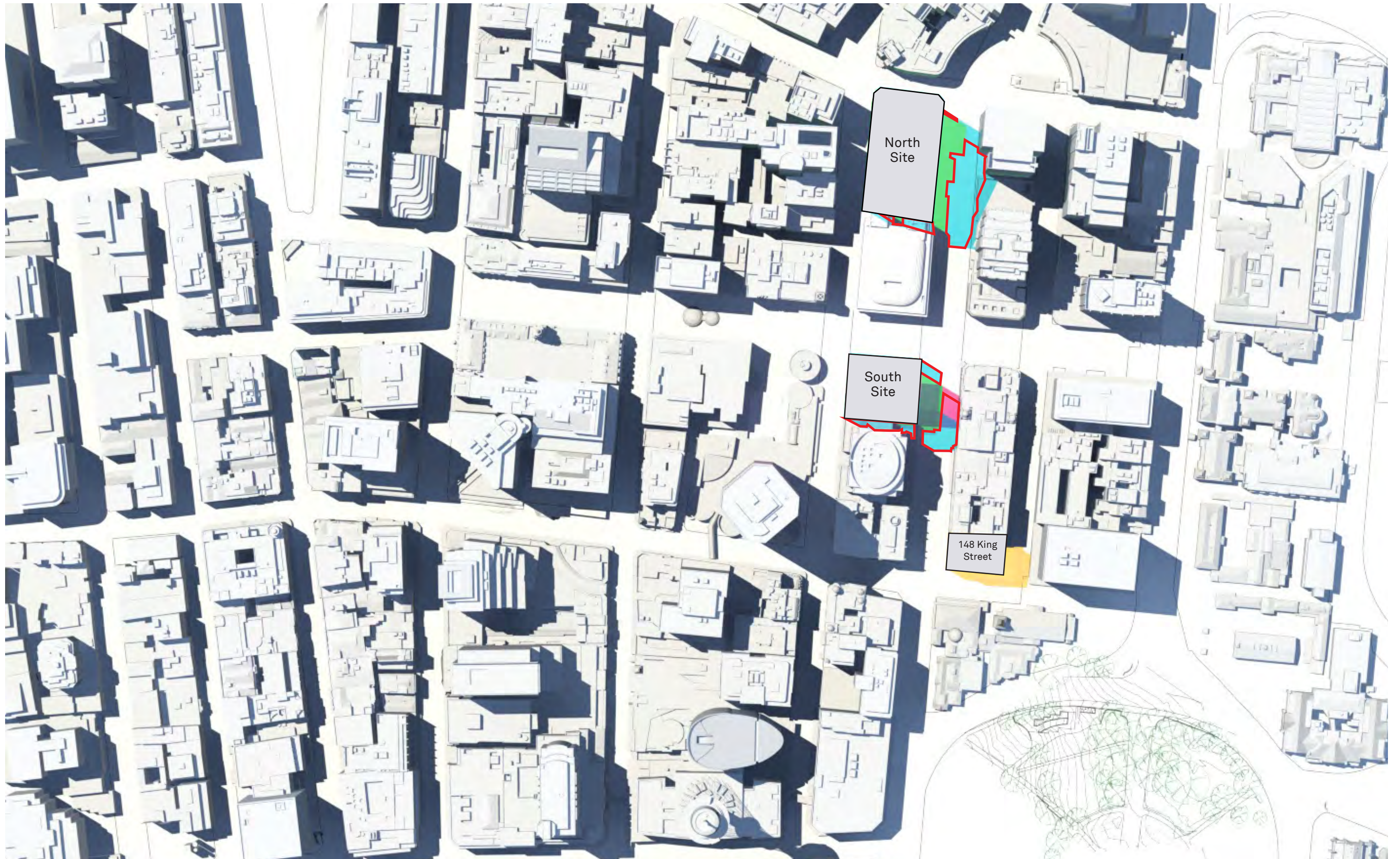
- Existing surrounding
- 148 King Street Stage 2 approved building form
- Existing/predemolished buildings on North and South Sites
- Approved Stage 1 DA envelope
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- DCP/LEP compliant envelope

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December 21  
13:00

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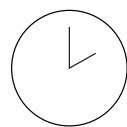
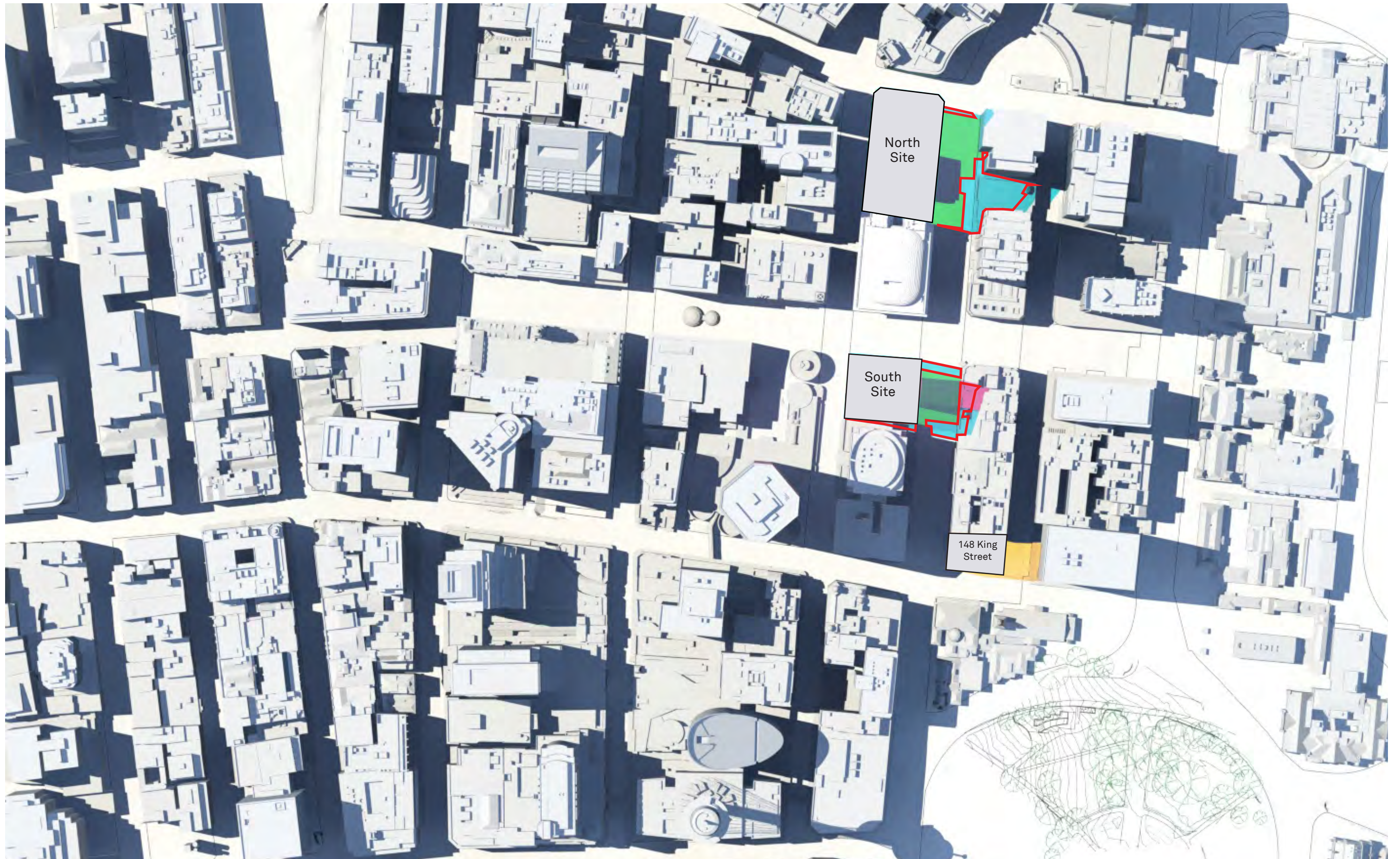
- Existing surrounding
- 148 King Street Stage 2 approved building form
- Existing/predemolished buildings on North and South Sites
- Approved Stage 1 DA envelope
- Additional shadow cast by proposed Stage 1 Amending DA envelope
- DCP/LEP compliant envelope

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December 21

14:00

#### SHADOWS KEY

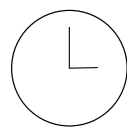
- Existing surrounding
- 148 King Street Stage 2 approved building form
- Existing/predemolished buildings on North and South Sites
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December 21  
15:00

#### SHADOWS KEY

- Existing surrounding
- 148 King Street Stage 2 approved building form
- Existing/predemolished buildings on North and South Sites
- Approved Stage 1 DA envelope
- Additional shadow cast by proposed Stage 1 Amending DA envelope
- DCP/LEP compliant envelope

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June 21  
09:00\_15:00



June 21  
9:00

#### SHADOWS KEY

- Existing surrounding
- 148 King Street Stage 2 approved building form
- Existing/predemolished buildings on North and South Sites
- Approved Stage 1 DA envelope
- Additional shadow cast by proposed Stage 1 Amending DA envelope
- DCP/LEP compliant envelope

**Note**

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June 21  
10:00

#### SHADOWS KEY

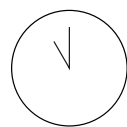
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June 21  
11:00

#### SHADOWS KEY

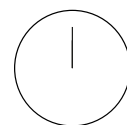
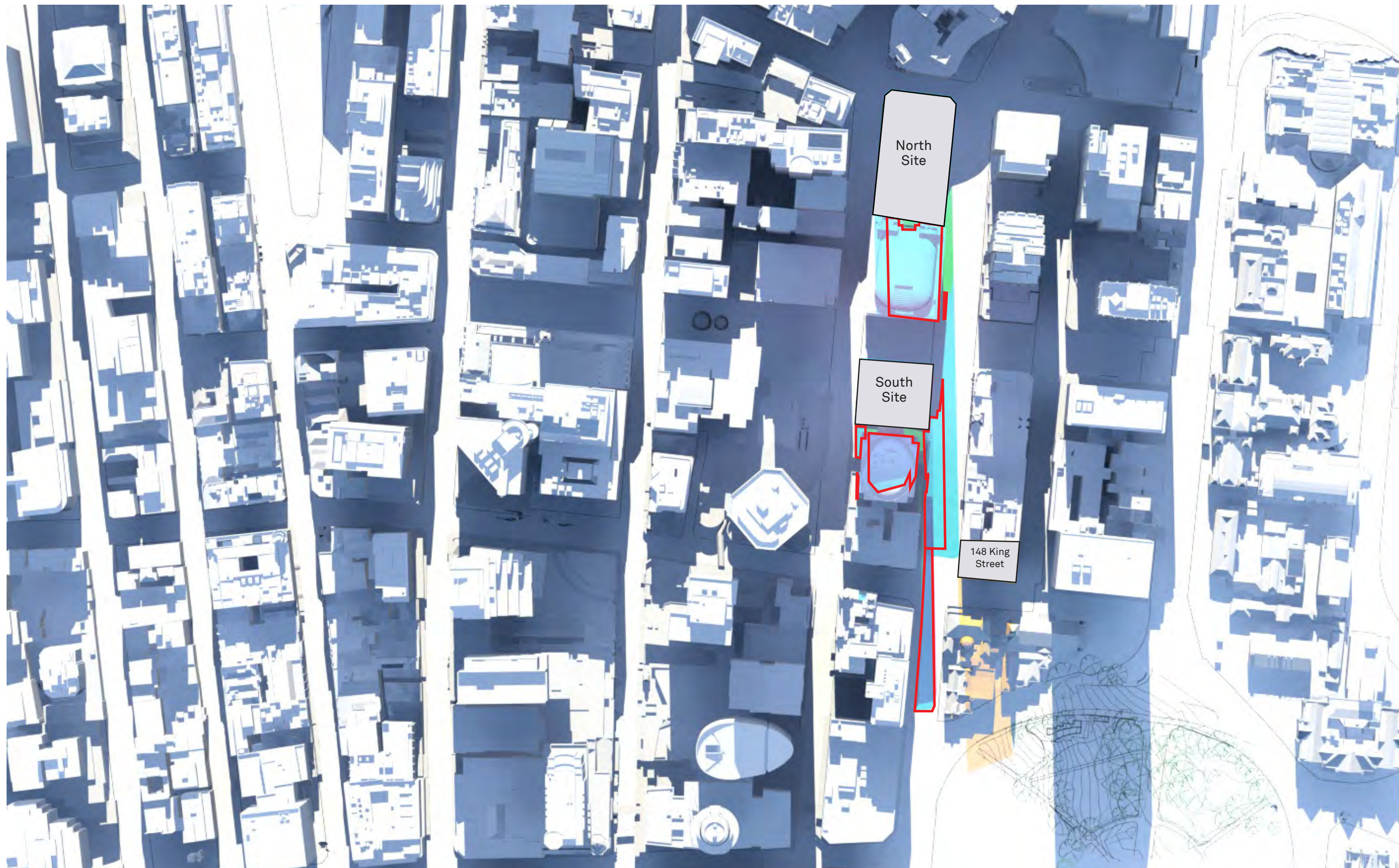
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June 21  
12:00

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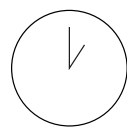
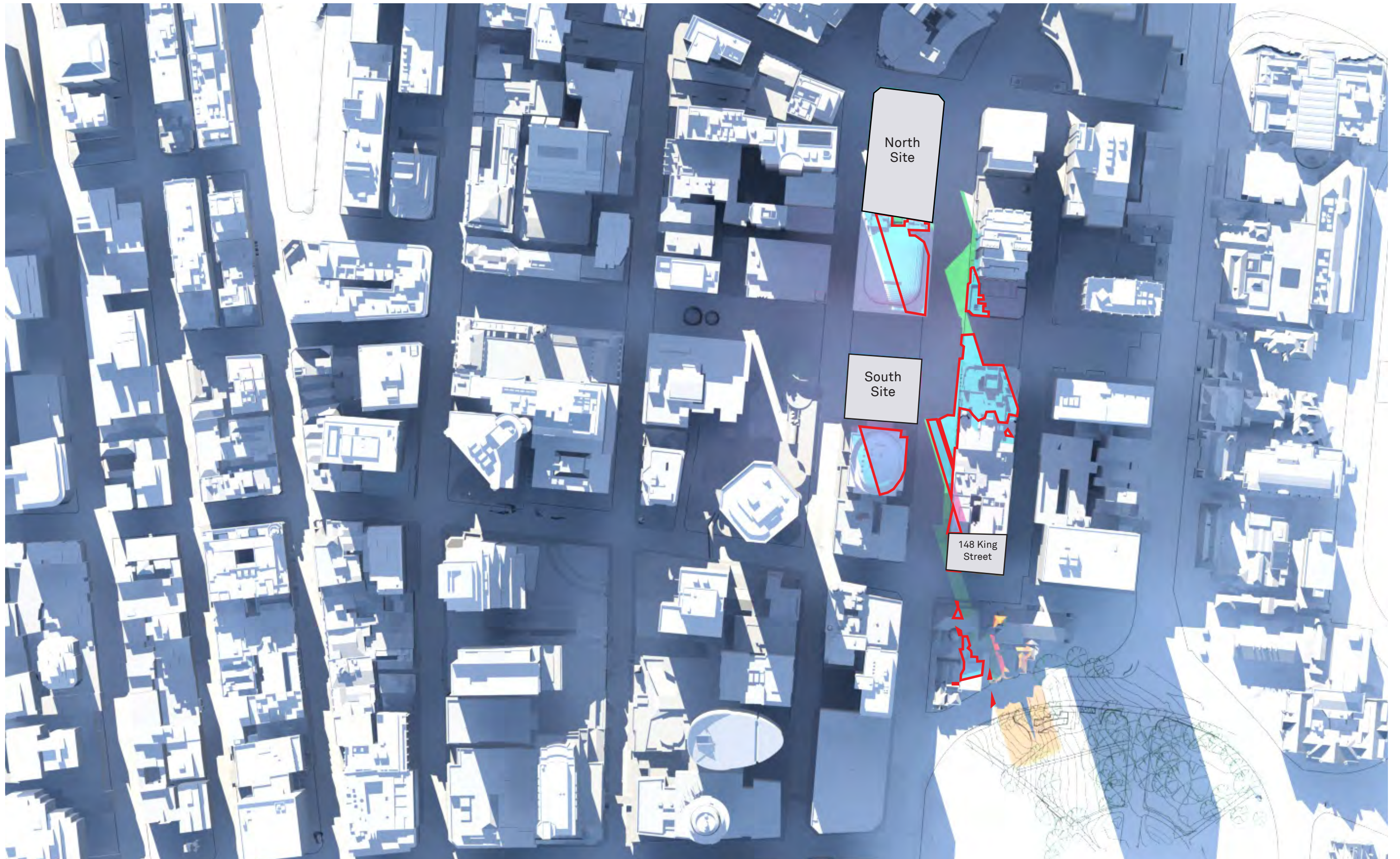
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June 21  
13:00

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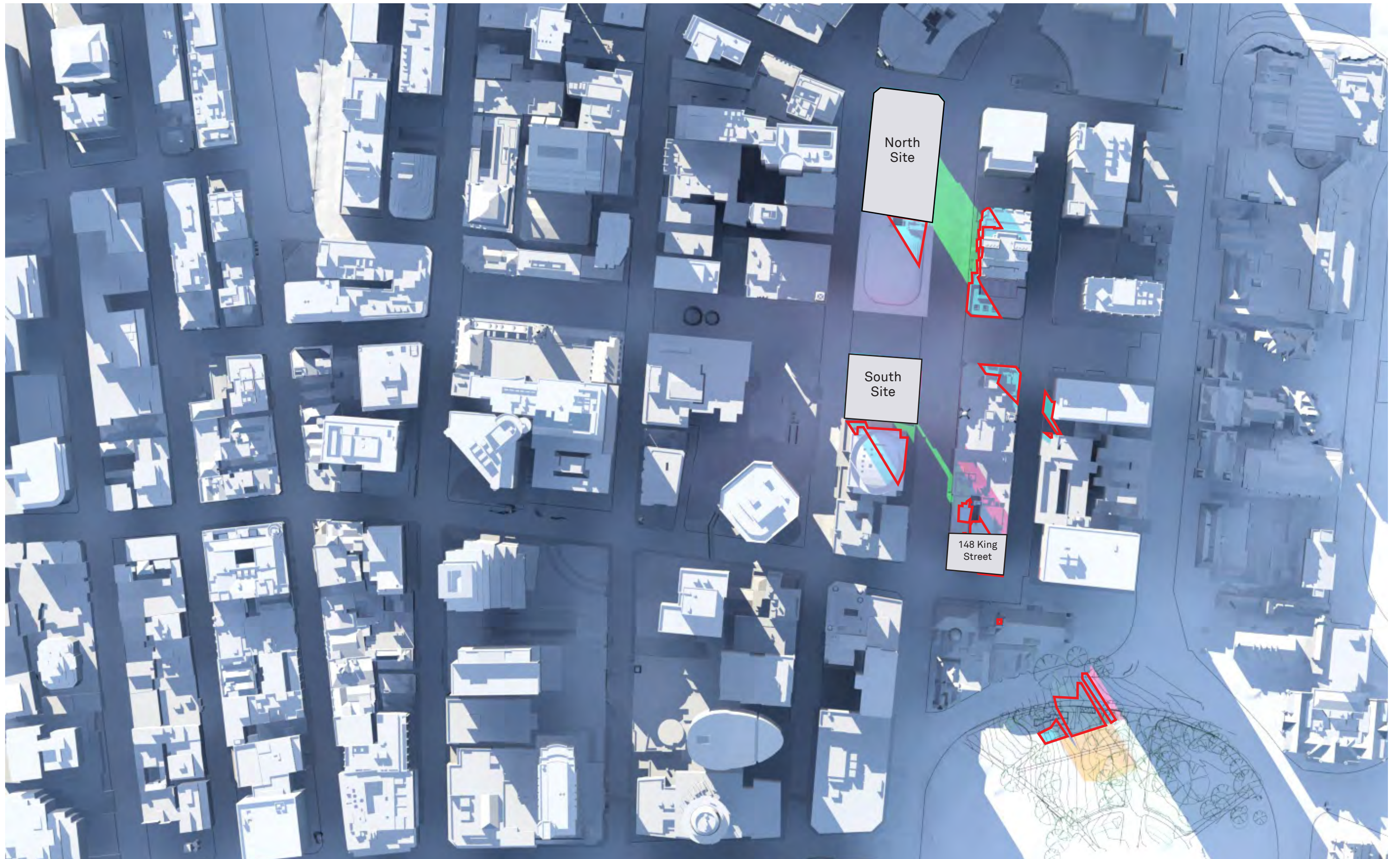
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June 21  
14:00

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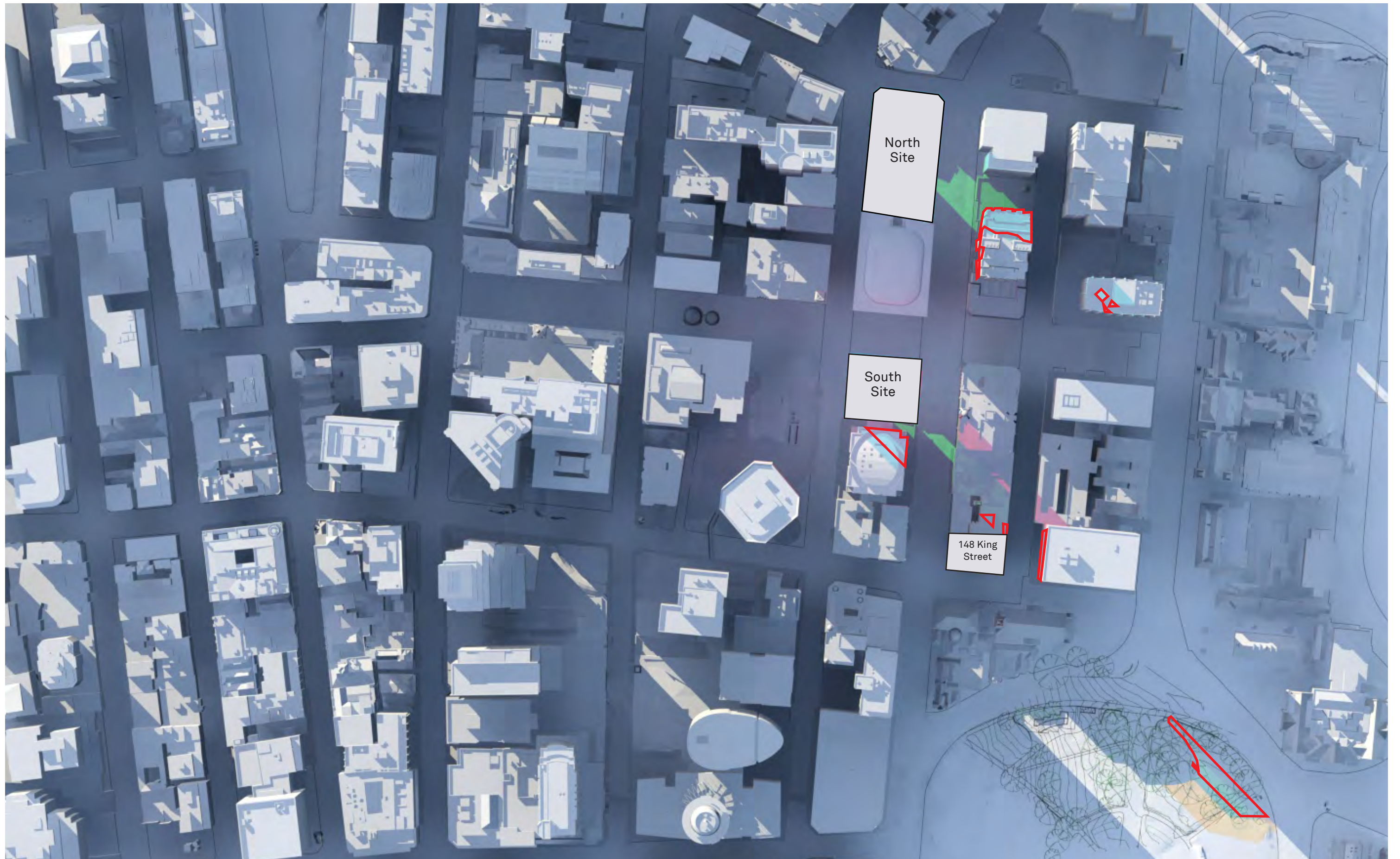
- Existing surrounding
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- Approved Stage 1 DA envelope
- Additional shadow cast by proposed Stage 1 Amending DA envelope
- DCP/LEP compliant envelope
- 148 King Street Stage 2 approved building form

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**June 21**  
 15:00

**SHADOWS KEY**

- Existing surrounding
- 148 King Street Stage 2 approved building form
- Existing/predemolished buildings on North and South Sites
- Approved Stage 1 DA envelope
- Additional shadow cast by proposed Stage 1 Amending DA envelope
- DCP/LEP compliant envelope

**Note**

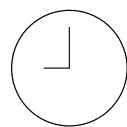
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September 21  
09:00\_15:00





September 21  
9:00

#### SHADOWS KEY

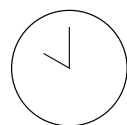
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September 21  
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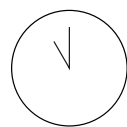
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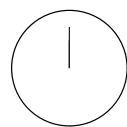
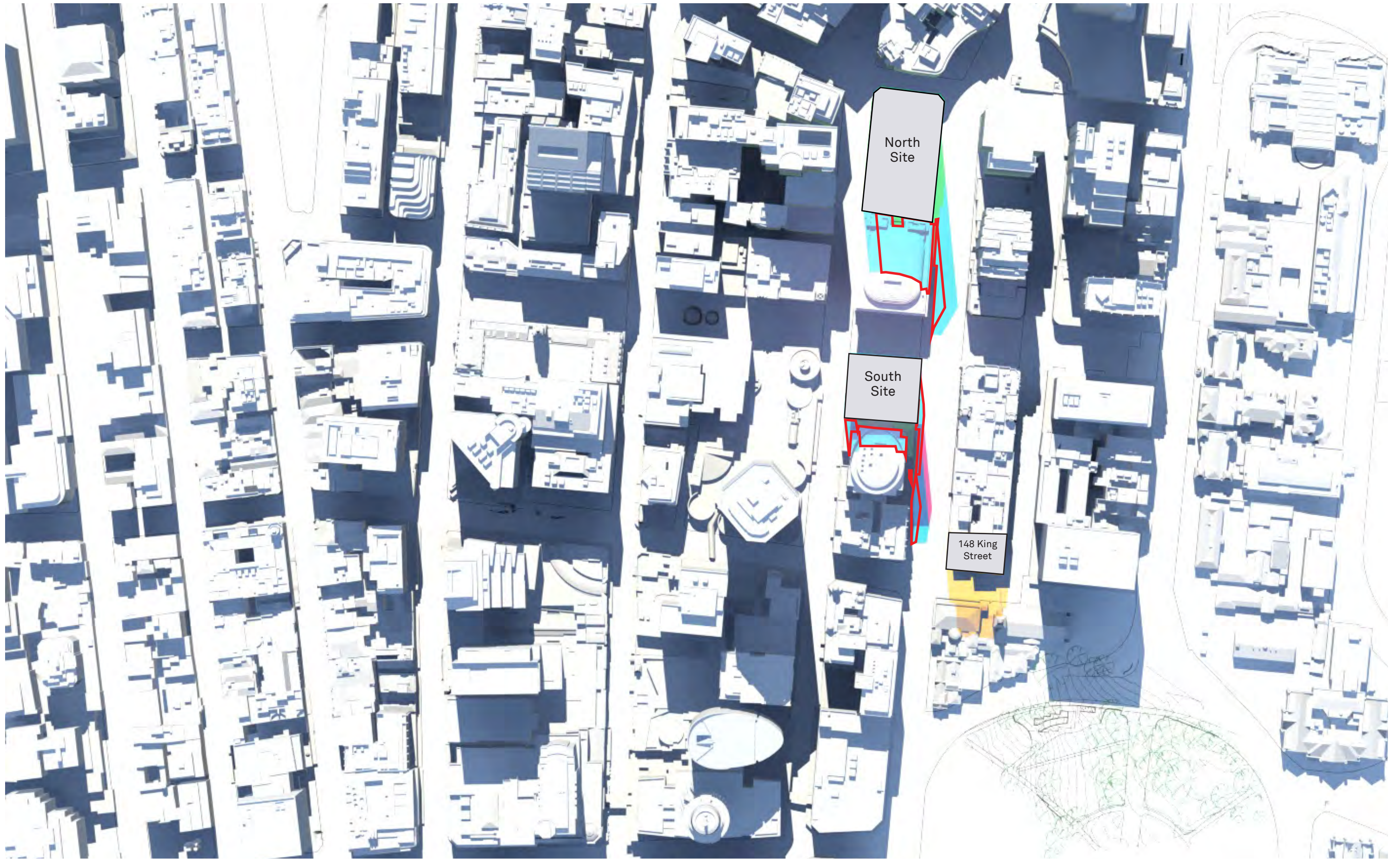
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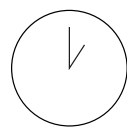
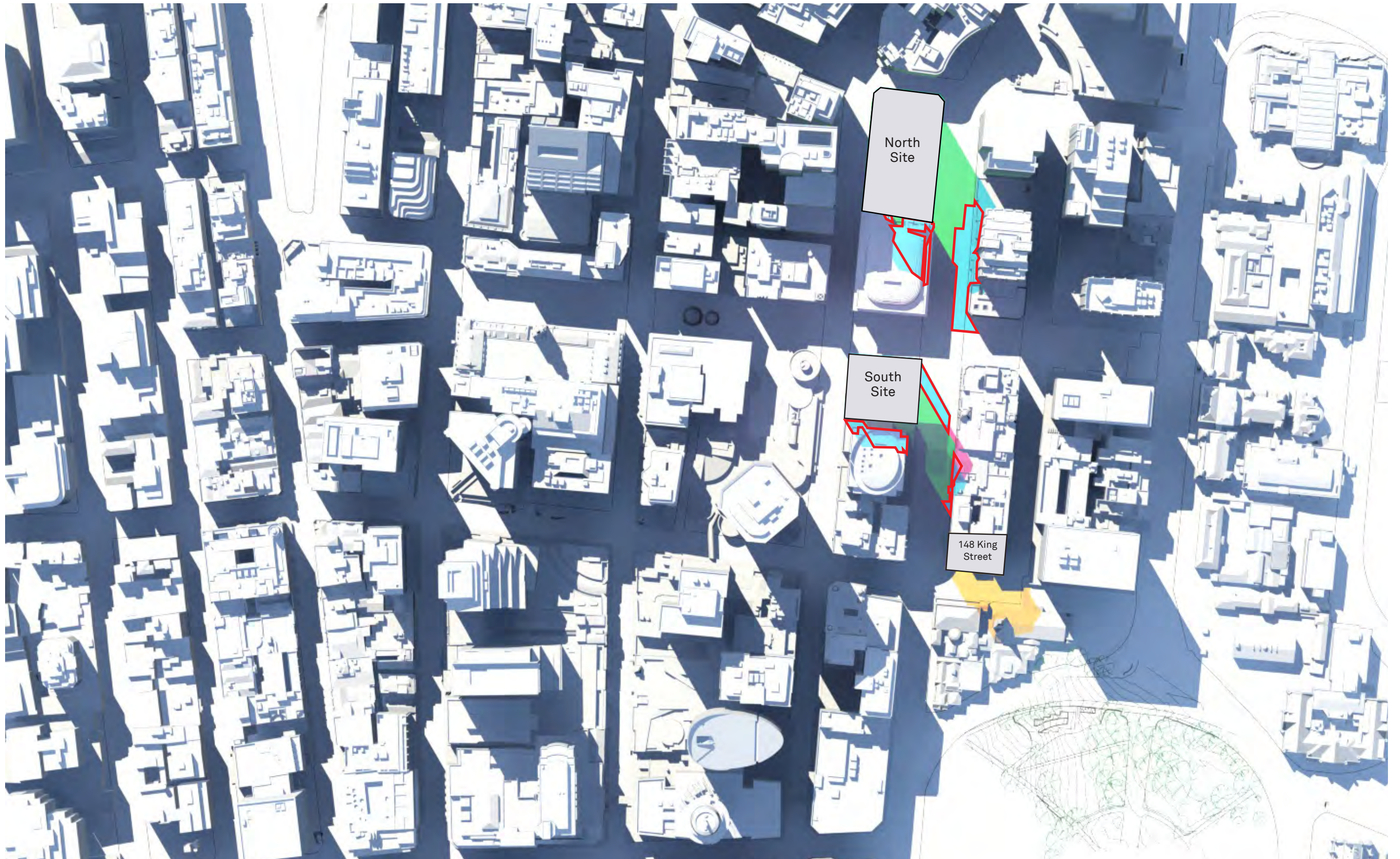
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