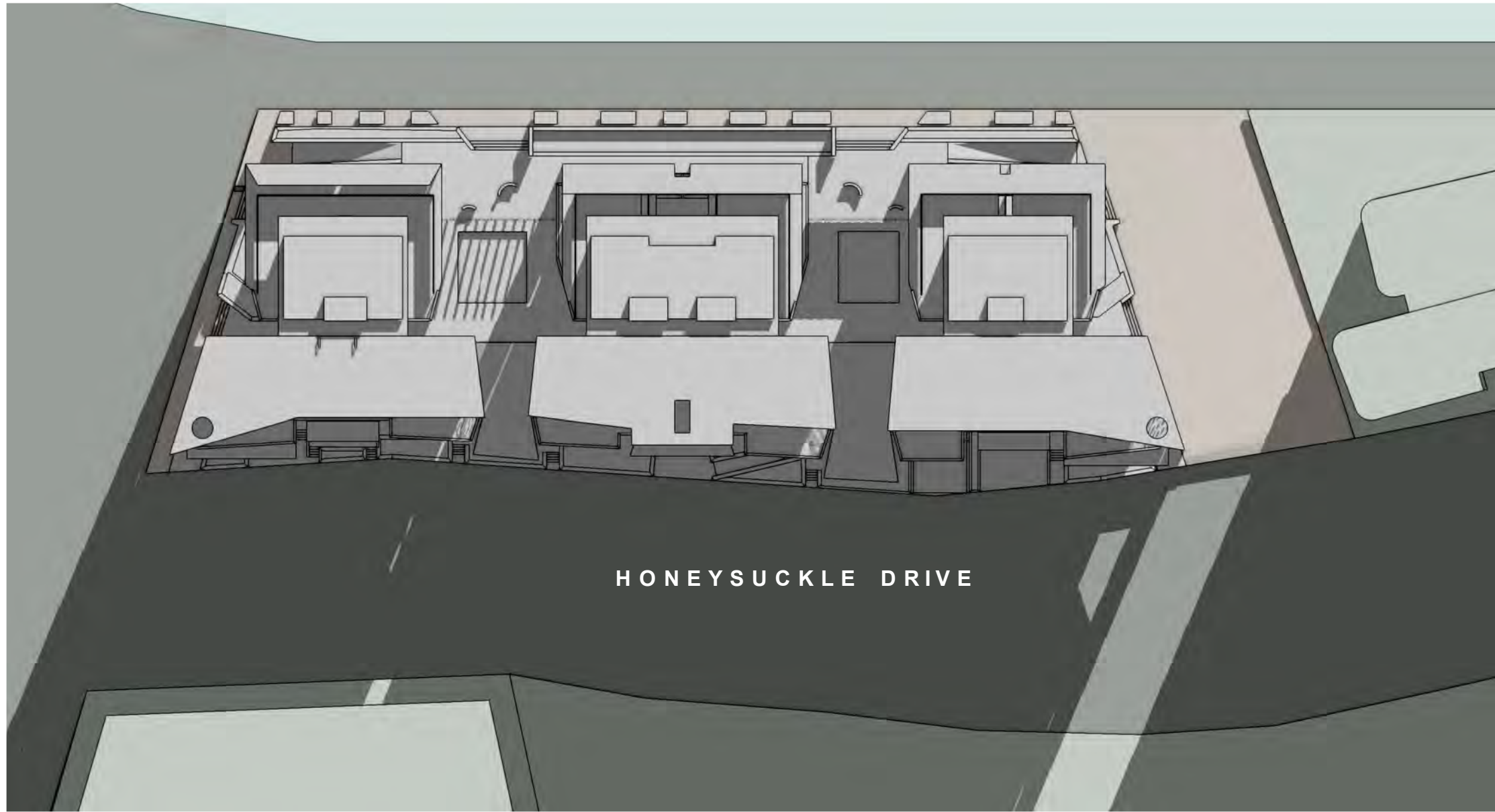
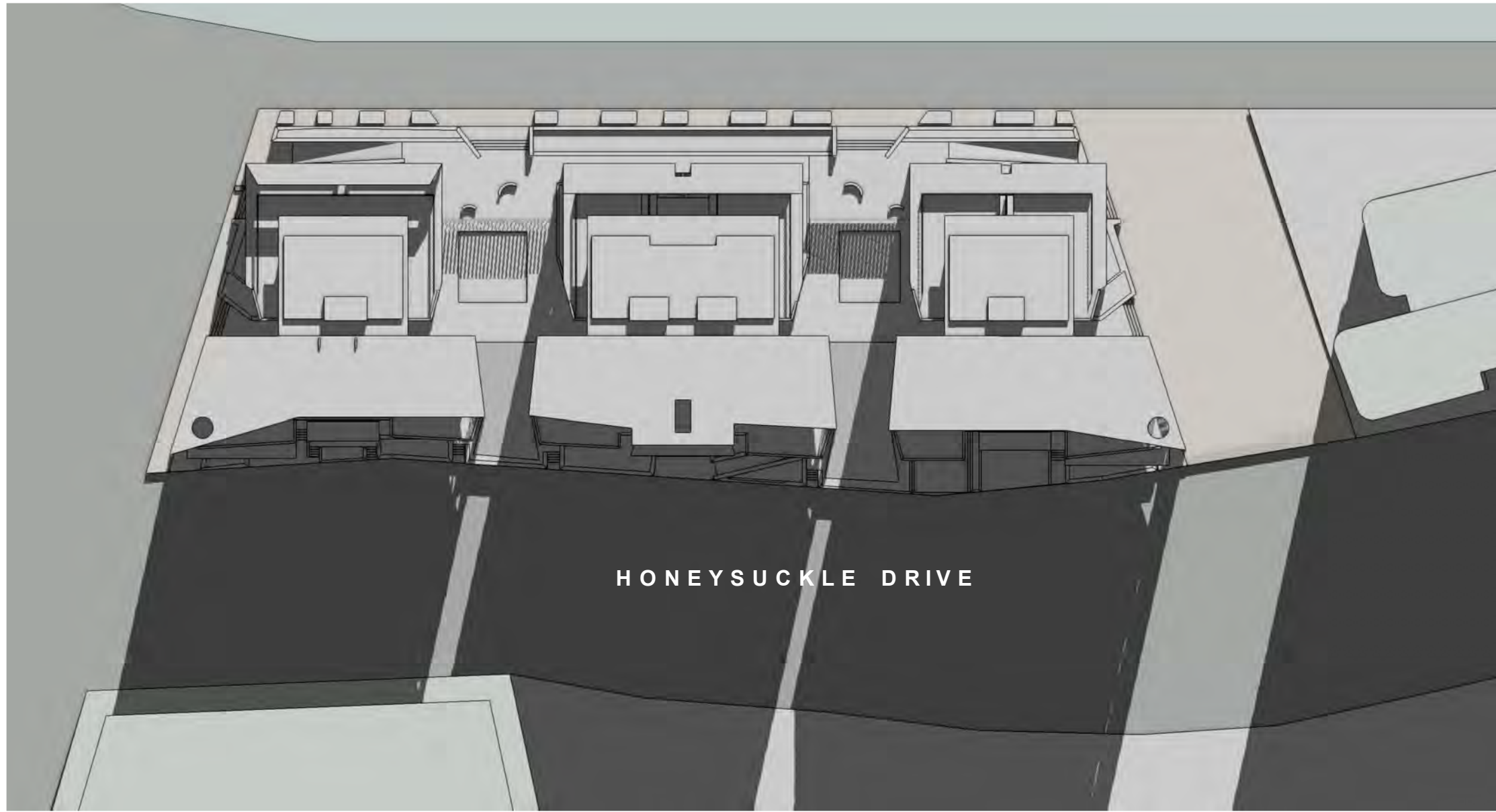




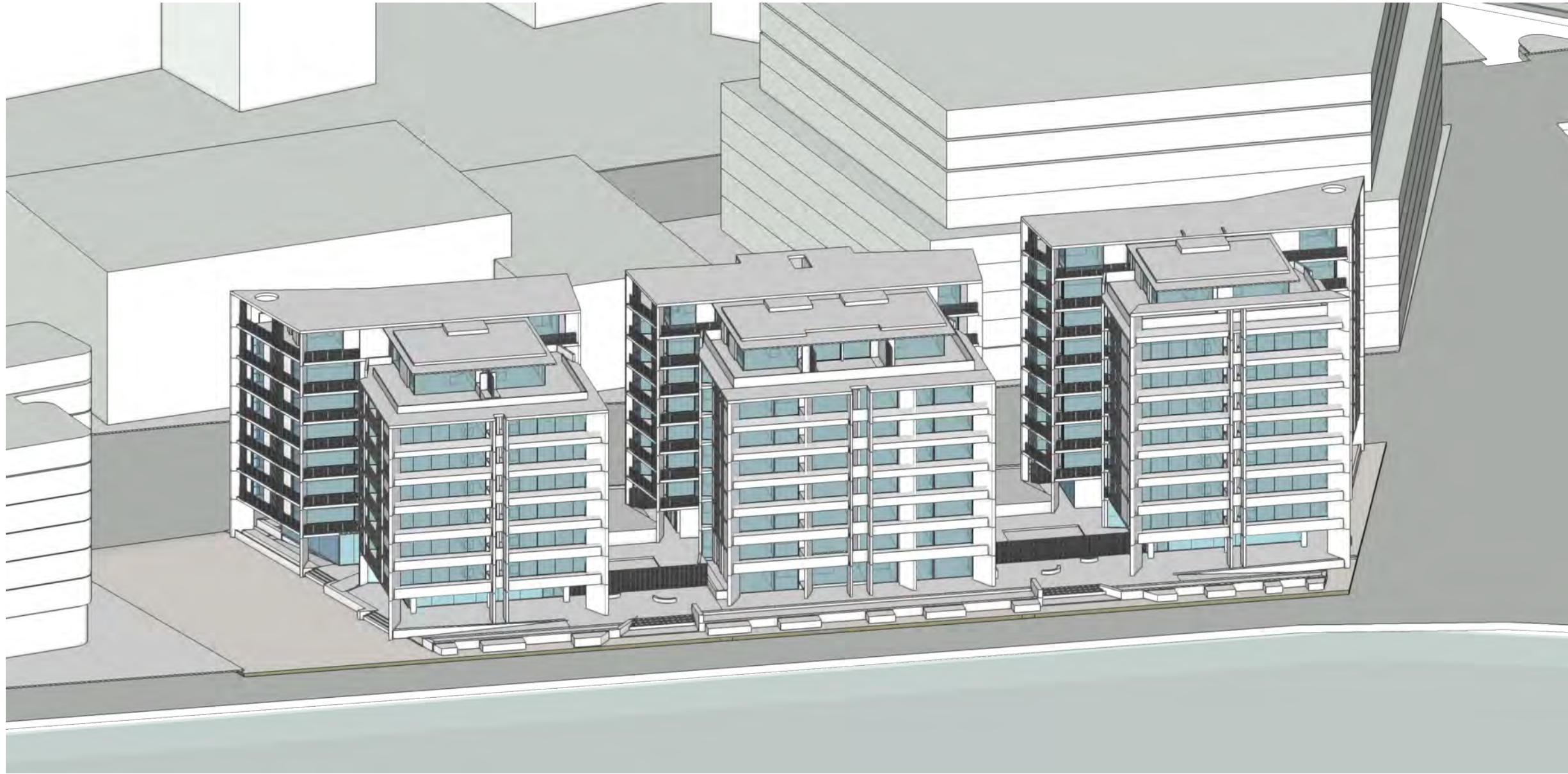
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8 AM



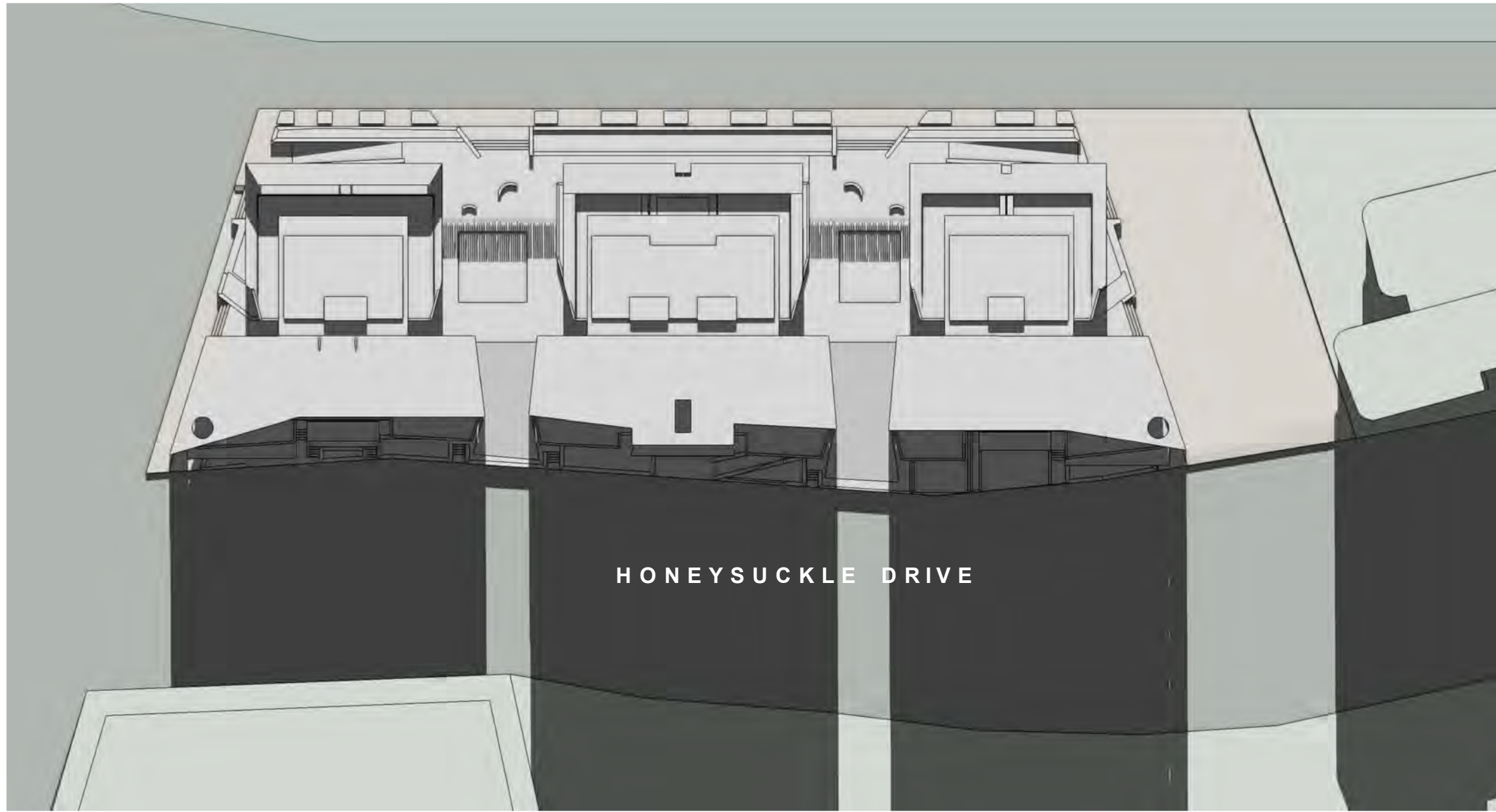
JUNE 21 - shadow casting extent
8 AM



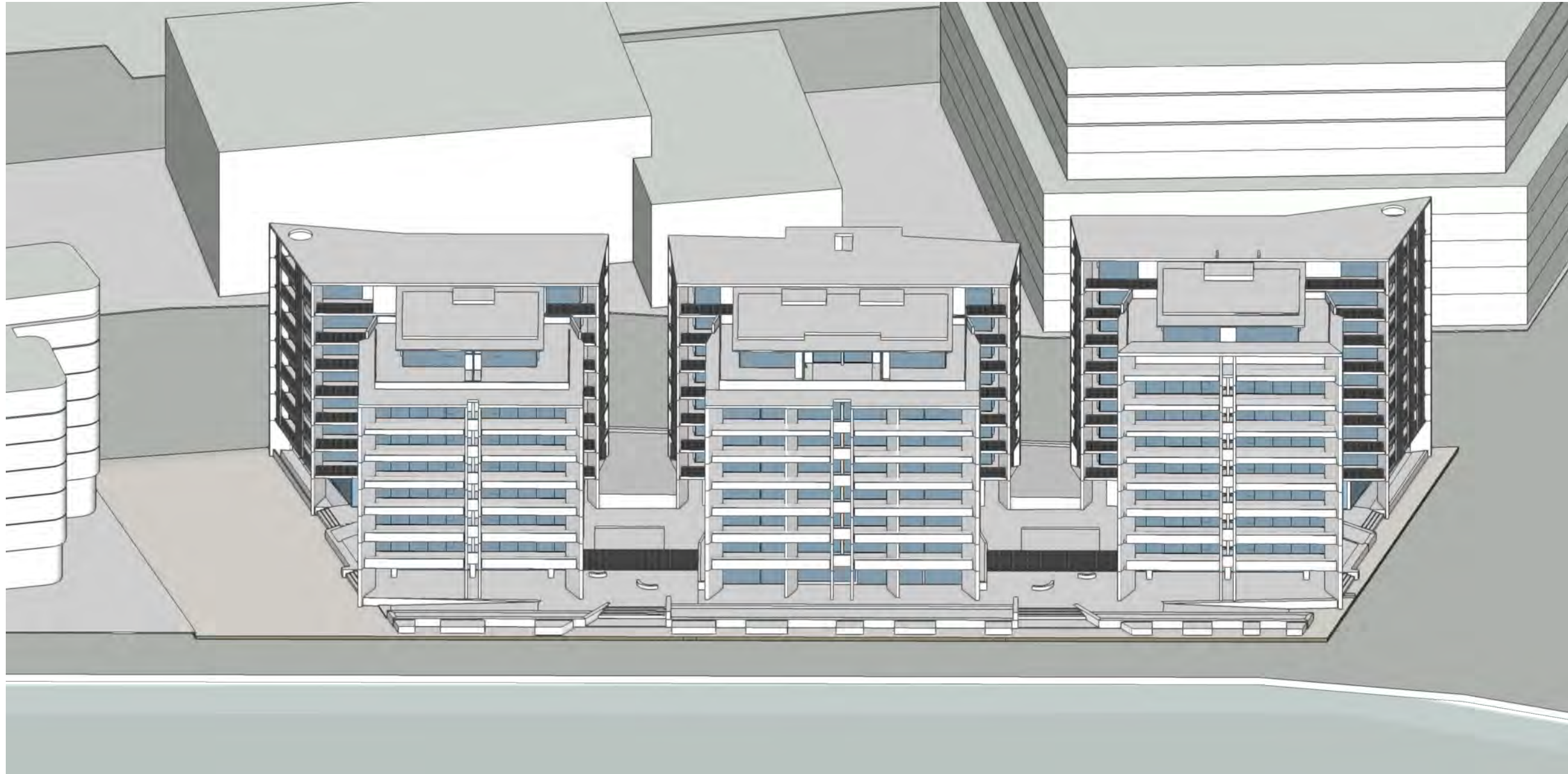
JUNE 21
9 AM



JUNE 21 - shadow casting extent
9 AM



JUNE 21
10 AM



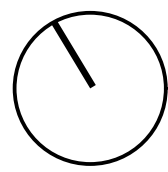
JUNE 21 - shadow casting extent
10 AM

Development Application

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E		REVISED DEVELOPMENT APPLICATION	23/01/2020	

key plan



north point

consultants
Civil/Structural Engineers
BG&E
Level 1, 163 King St.
Newcastle, NSW, 2300

Town Planner
ADW Johnson
7/335 Hillborough Road
Warners Bay NSW 2282

clients
Horizon Newcastle Pty Ltd

architects in association

hill thalis
ARCHITECTURE + URBAN PROJECTS PTY LTD

CKDS ARCHITECTURE
PO Box 958
Newcastle NSW Australia
Ph: 02 4929 1843
ACN: 129 231 263
admin@ckds.com.au
www.ckds.com.au

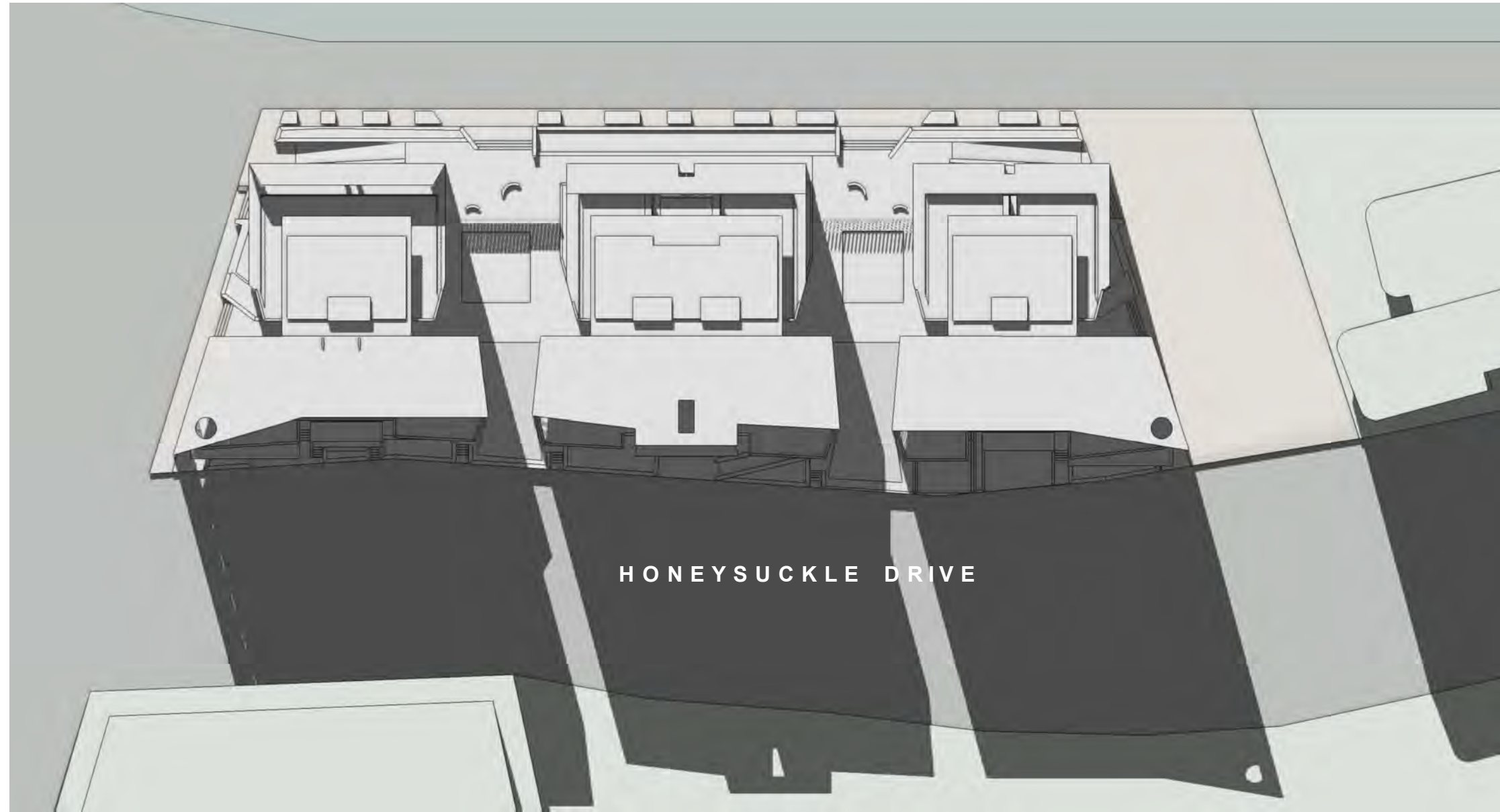
project
Horizon Lee 5
Lee 5 Honeysuckle
Newcastle, NSW
Australia

drawing title

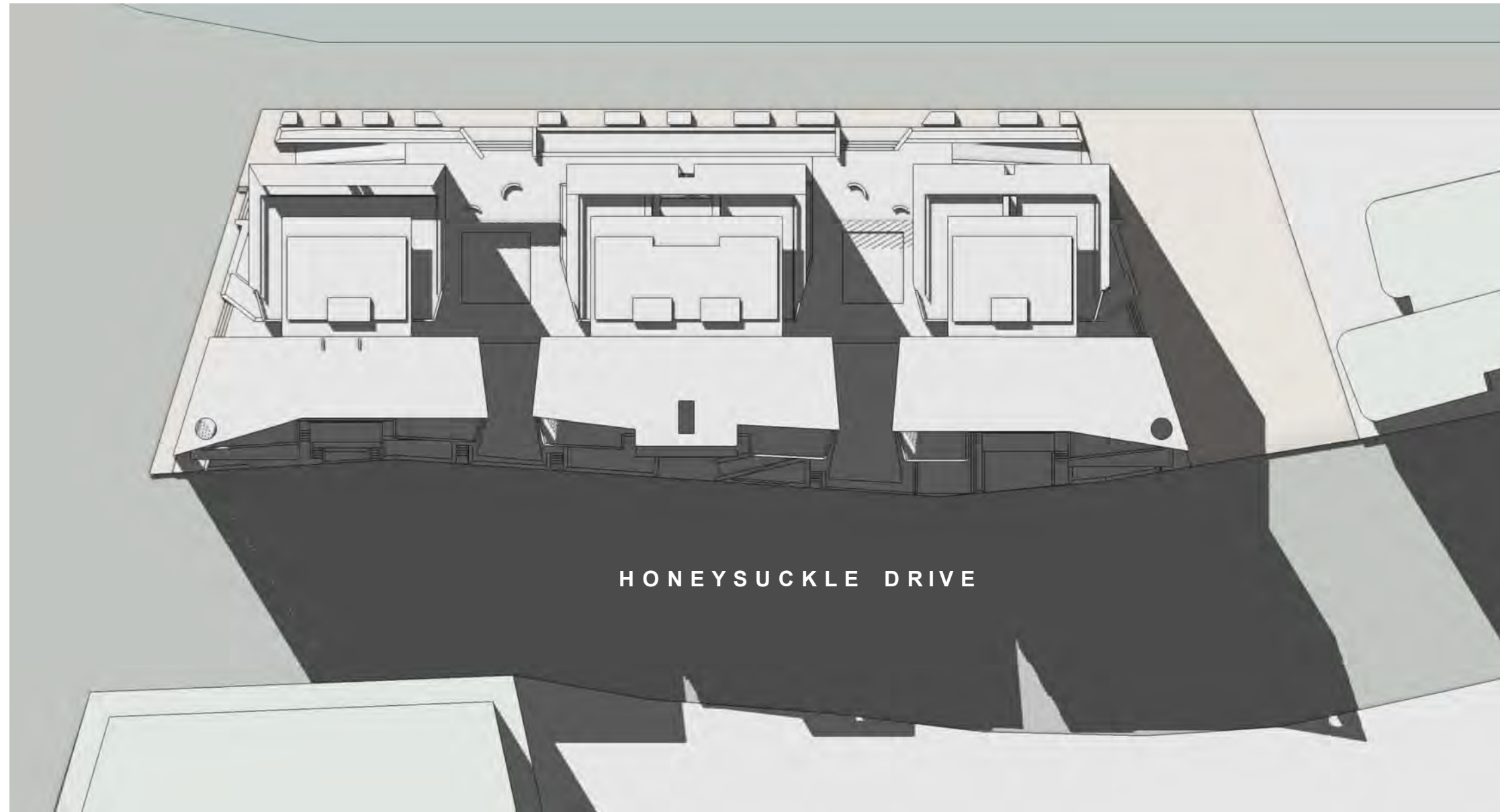
ADG
Winter Sun Analysis

drawing scale	drawn	verified	date
Refer to Drawing	JB	SC	02.07.19
project #	drawing #	issue	
18122	DA-701	E	
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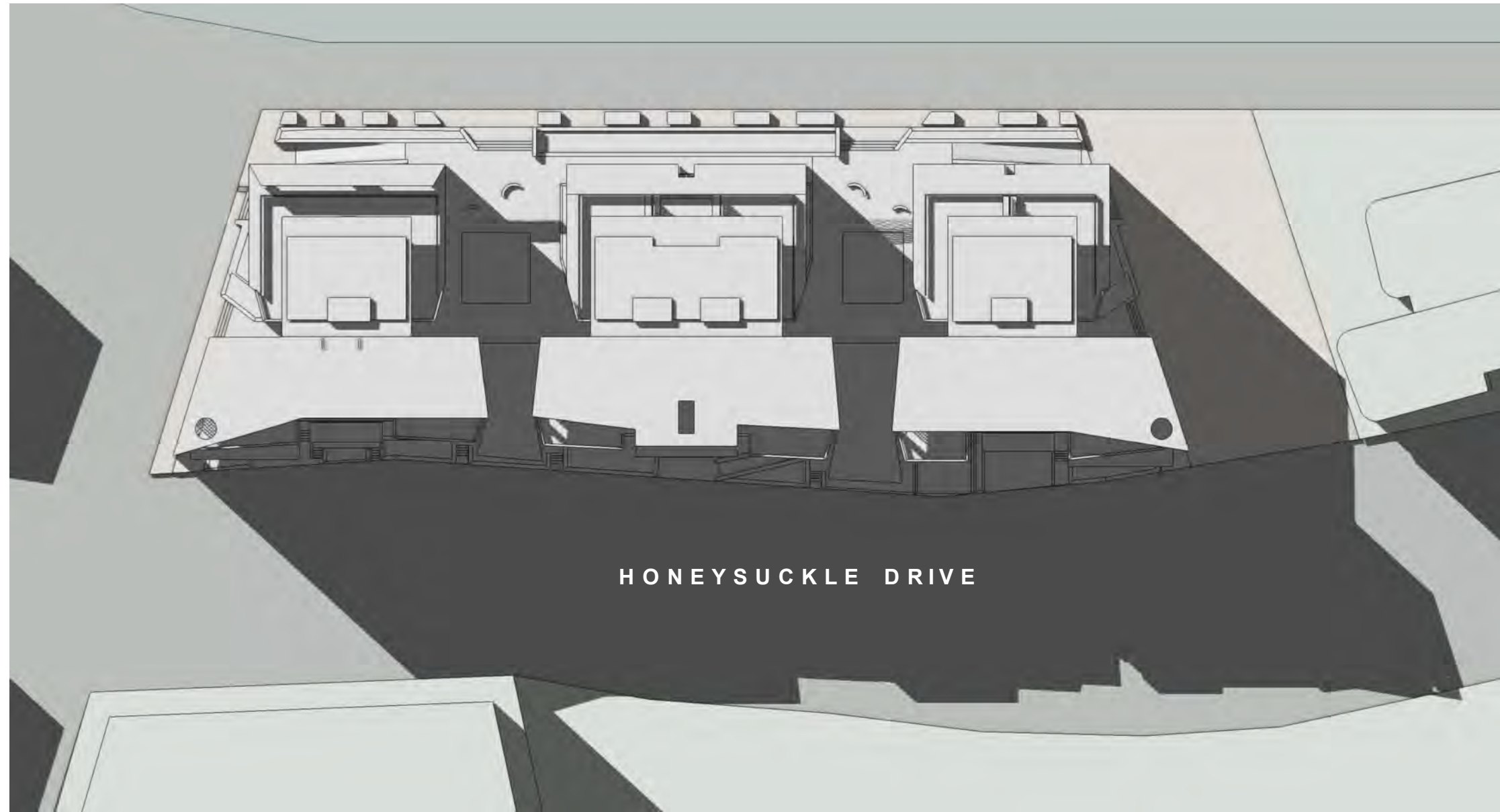
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11 AM



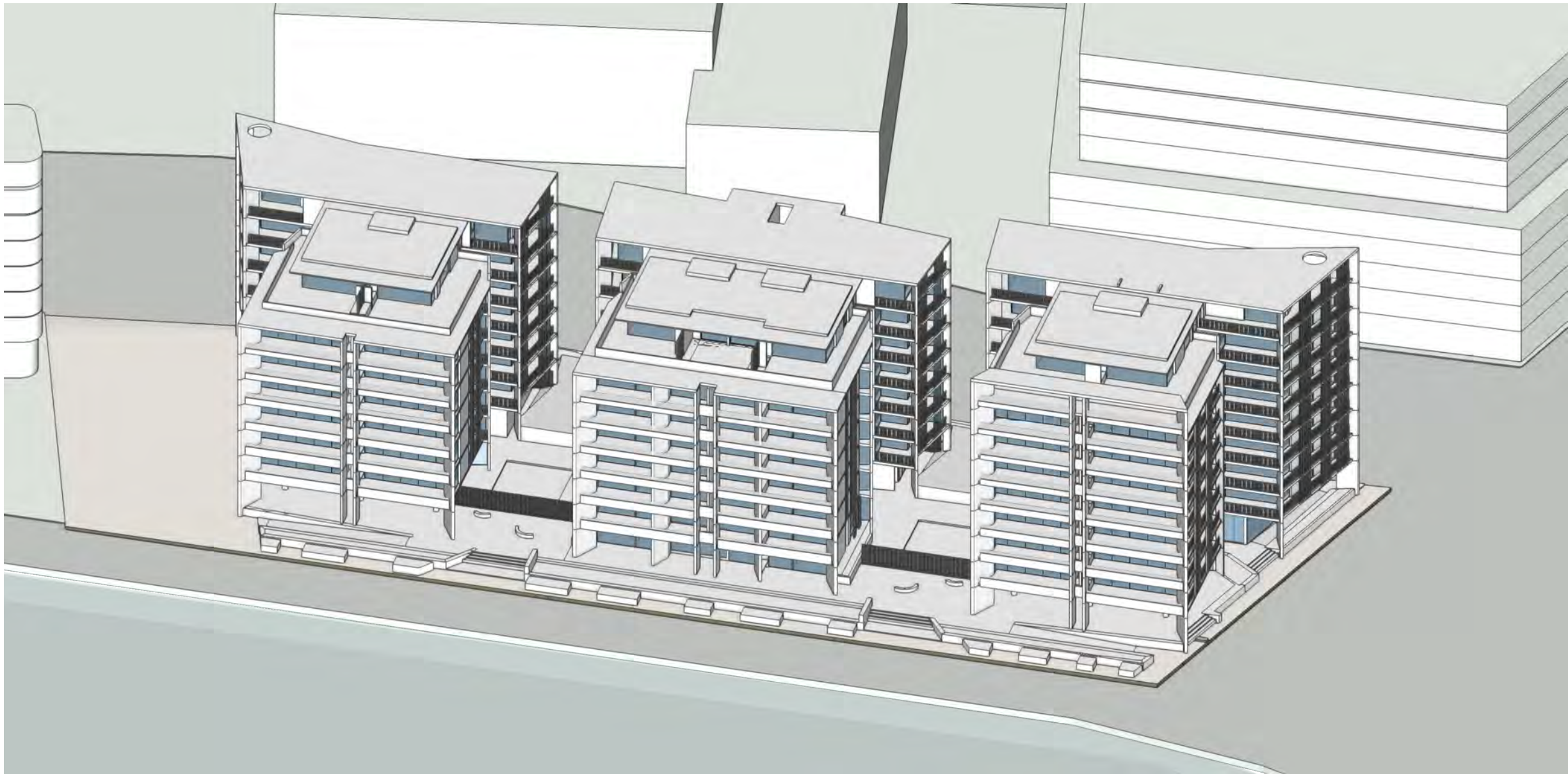
JUNE 21
12 PM



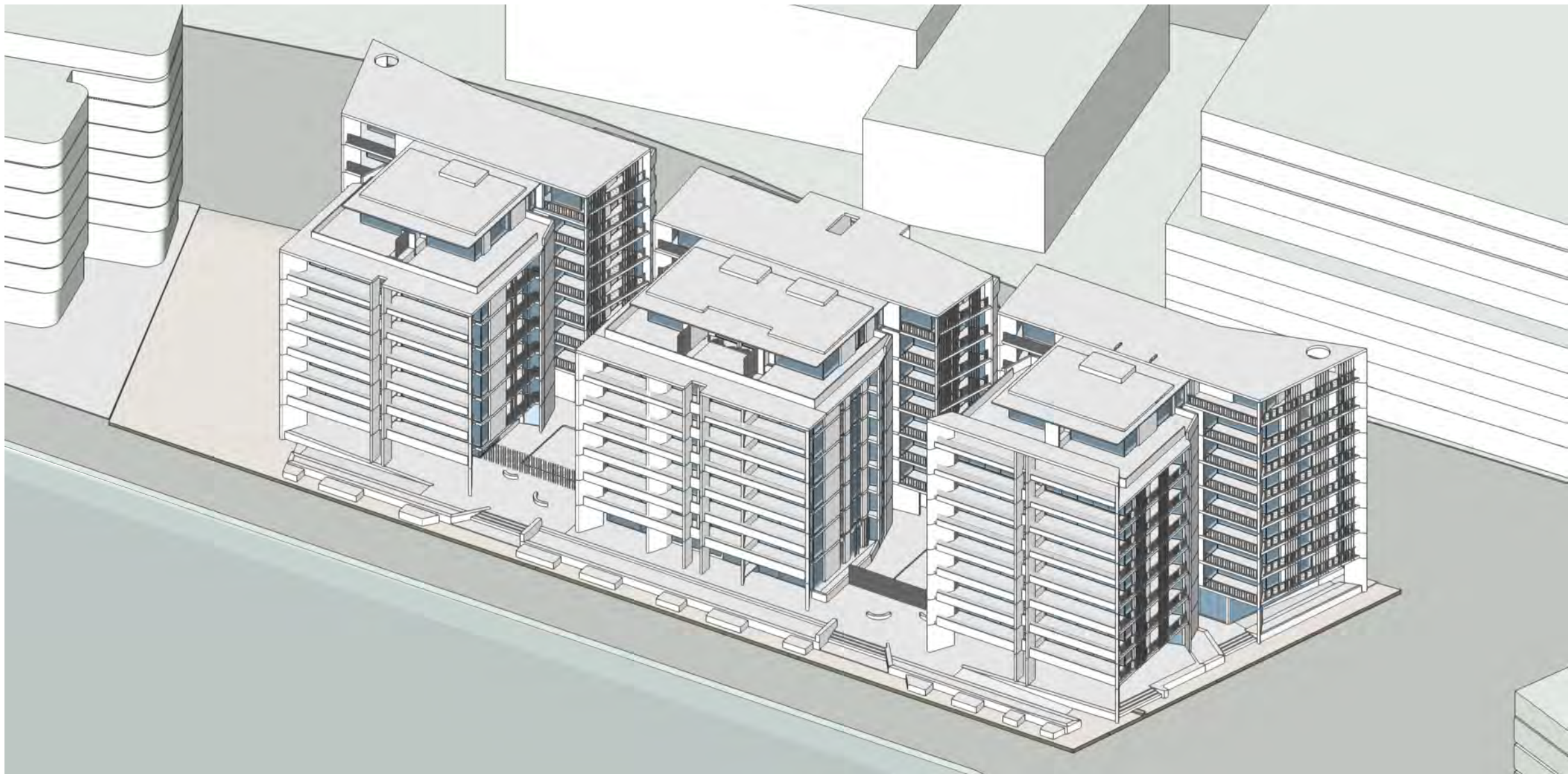
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1 PM



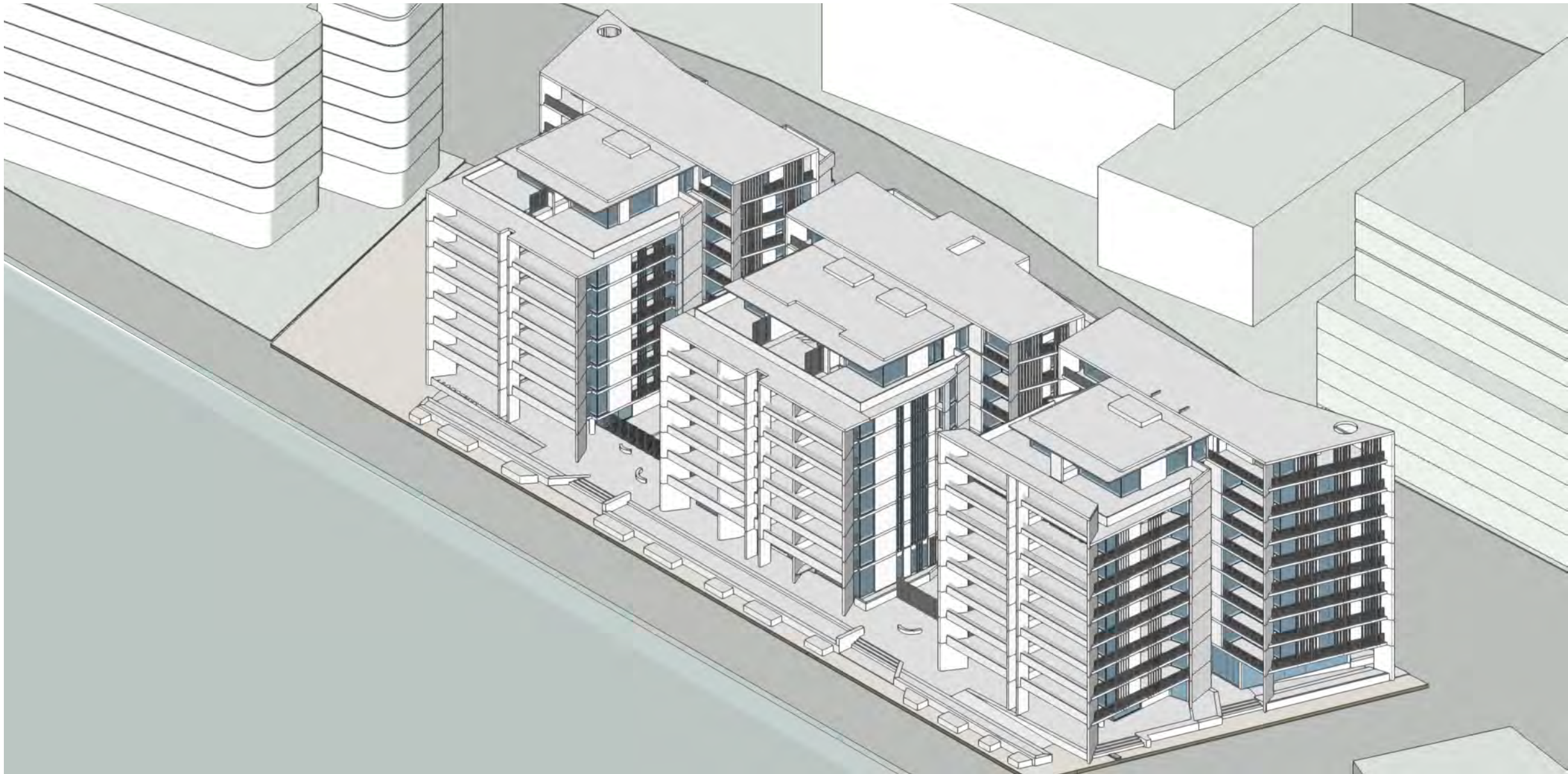
JUNE 21 - shadow casting extent
11 AM



JUNE 21 - shadow casting extent
12 PM



JUNE 21 - shadow casting extent
1 PM

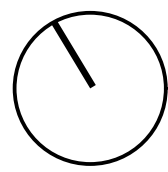


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key plan



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consultants
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BG&E
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Newcastle, NSW, 2300

Town Planner
ADW Johnson
7/335 Hillborough Road
Warners Bay NSW 2282

clients
Horizon Newcastle Pty Ltd

architects in association

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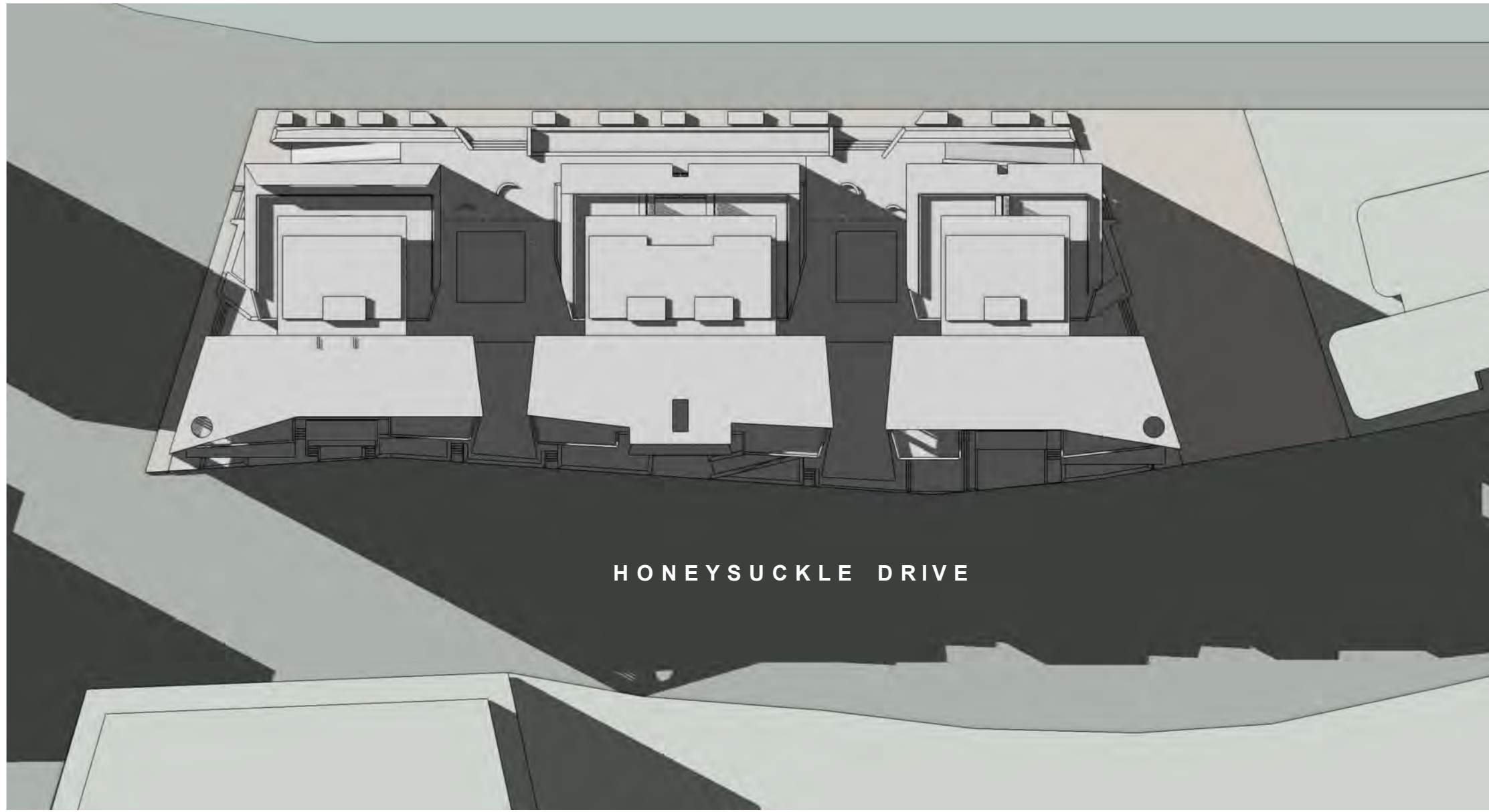
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PO Box 958
Newcastle NSW Australia
Ph: 02 4929 1843
Admin: 129 231 269
admin@ckds.com.au
www.ckds.com.au

project
Horizon Lee 5
Lee 5 Honeysuckle
Newcastle, NSW
Australia

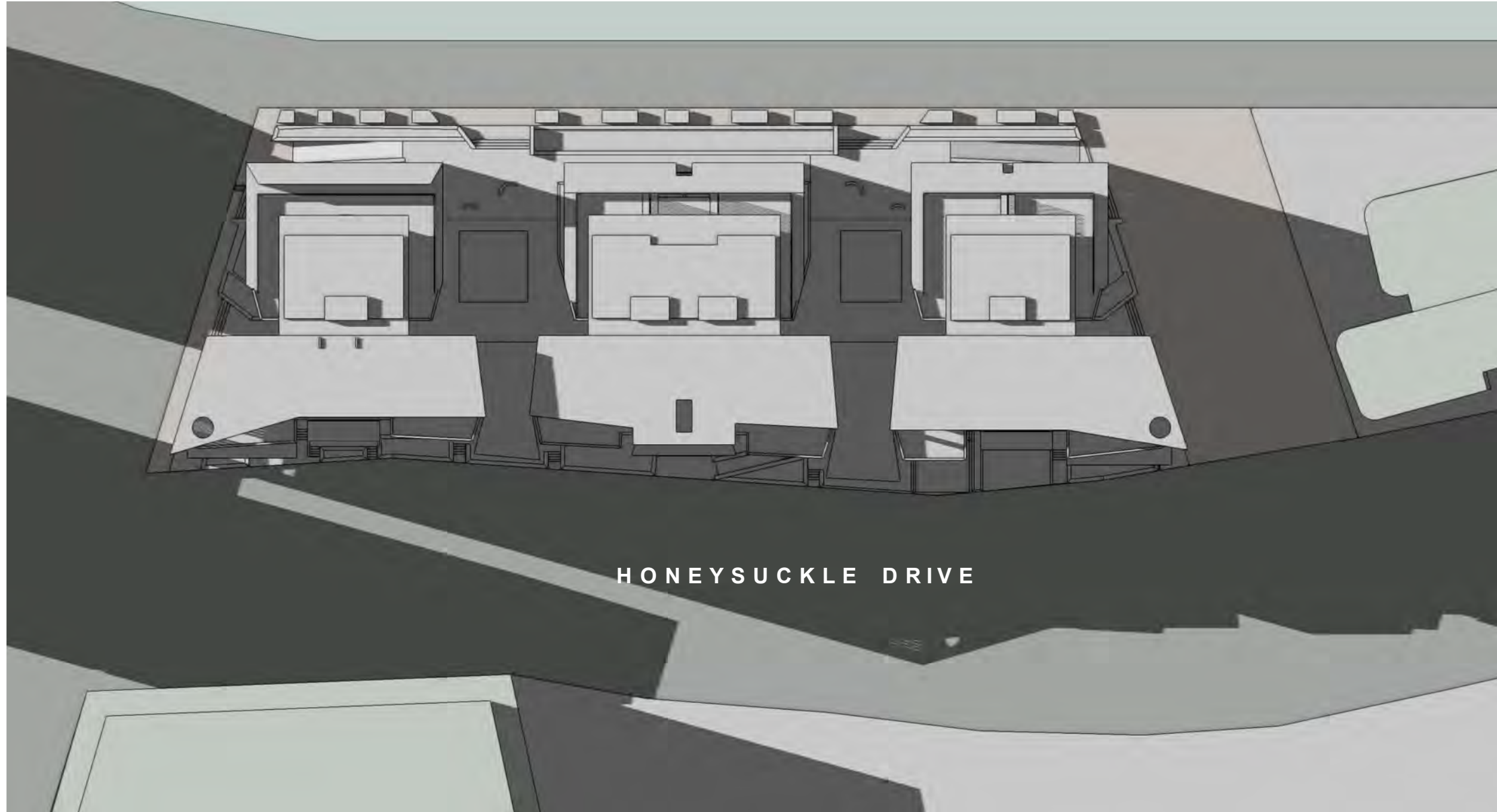
drawing title

ADG
Winter Sun Analysis

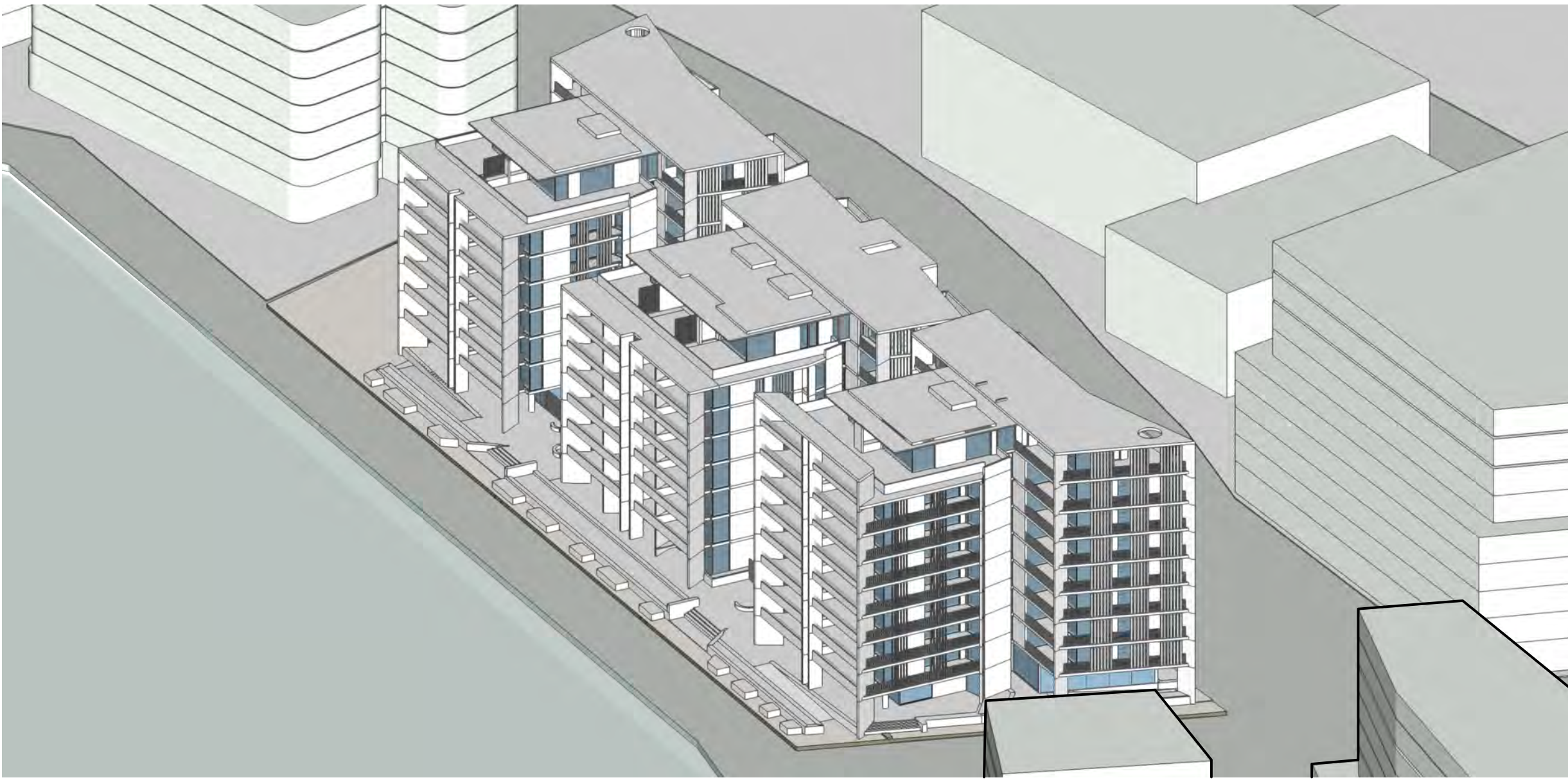
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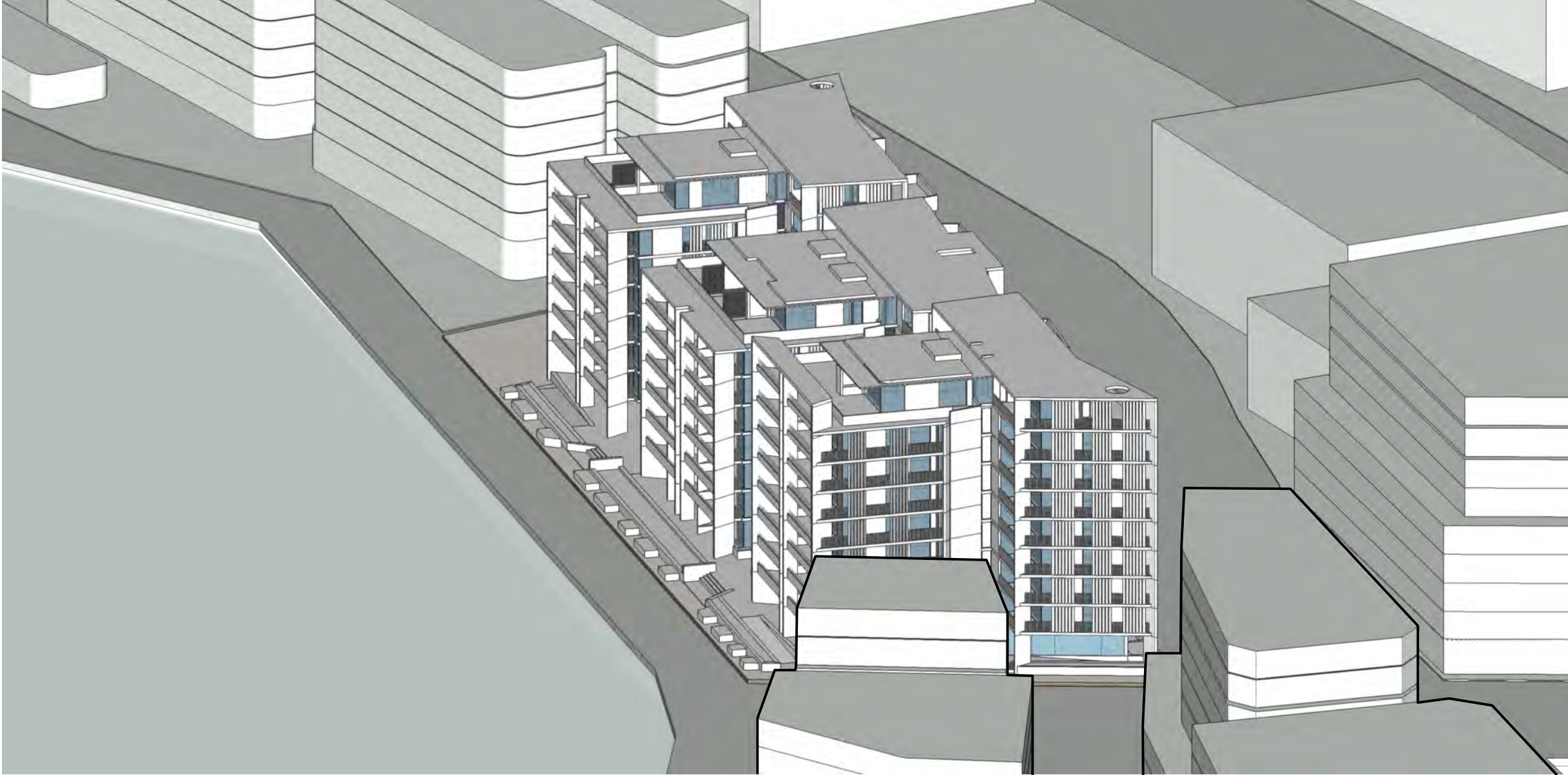
JUNE 21
2 PM



JUNE 21
3 PM



JUNE 21 - shadow casting extent
2 PM



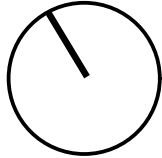
JUNE 21 - shadow casting extent
3 PM

Envelope of anticipated future development
shown to demonstrate ongoing solar access

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E		REVISED DEVELOPMENT APPLICATION	23/01/2020	

key plan



north point

consultants
Civil/Structural Engineers
BG&E
Level 1, 163 King St.
Newcastle, NSW, 2300

Mechanical Engineer
EVO Consulting Engineers
Suite 2, Level 1,
456 Hunter St
Newcastle NSW 2300

Town Planner
ADW Johnson
7/335 Hillborough Road
Warners Bay NSW 2282

Electrical / Hydraulic Engineer
Acor Consultants
Level 1, 54 Union St
Cooks Hill, NSW 2300

clients
Horizon Newcastle Pty Ltd

architects in association

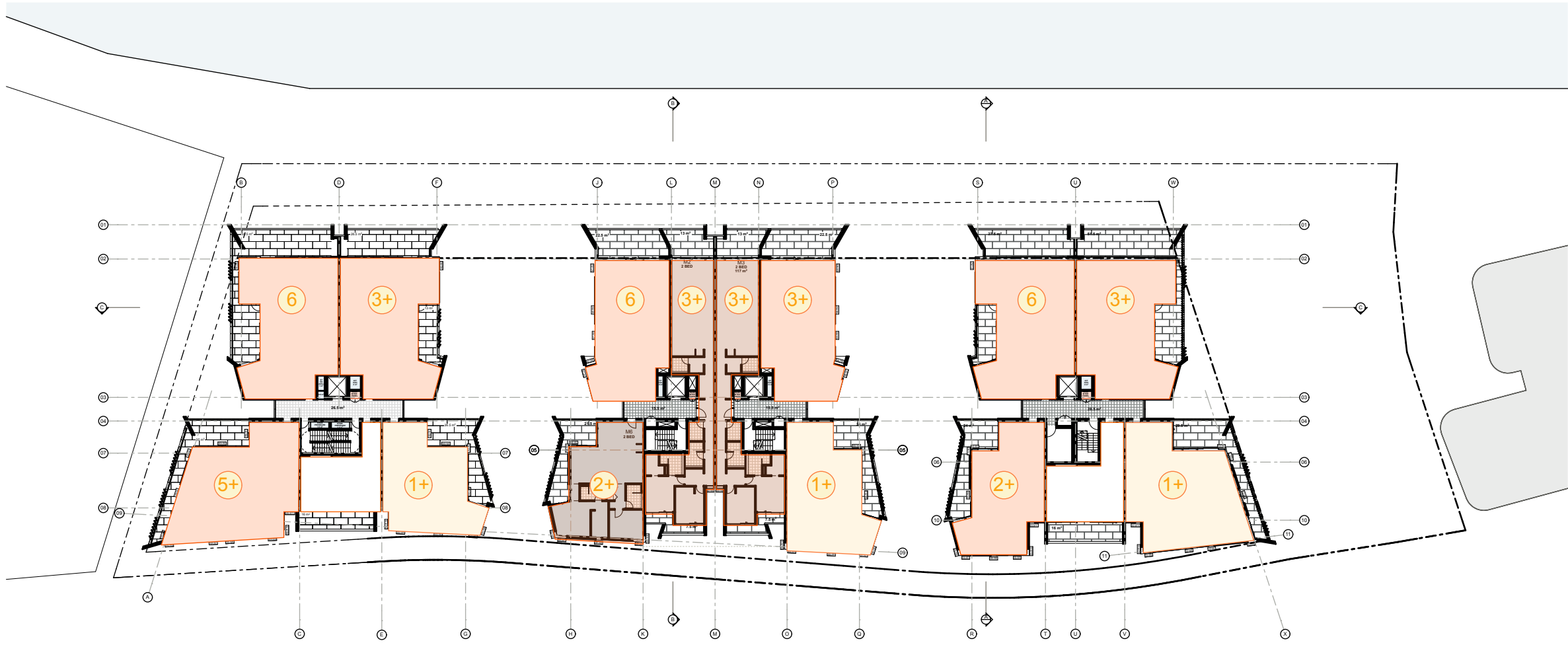
hill thalis
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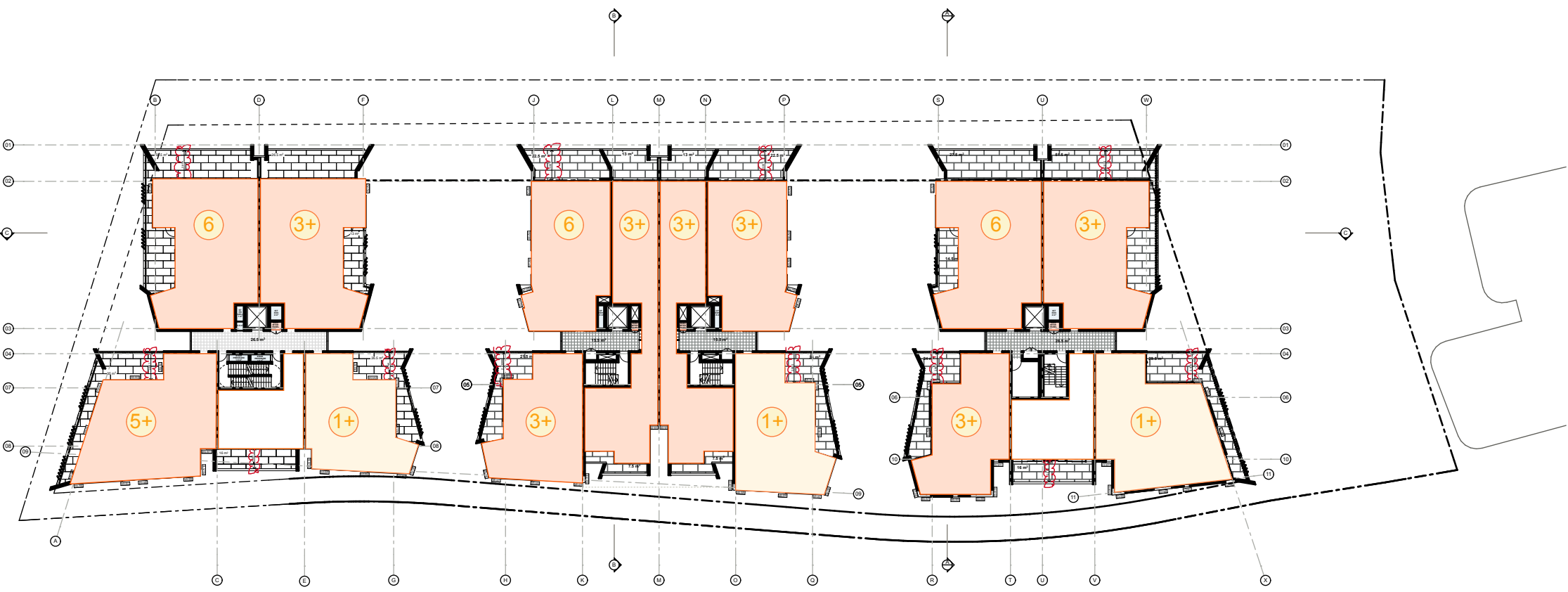
project
Horizon Lee 5
Lee 5 Honeysuckle
Newcastle, NSW
Australia

drawing title
ADG
Winter Sun Analysis

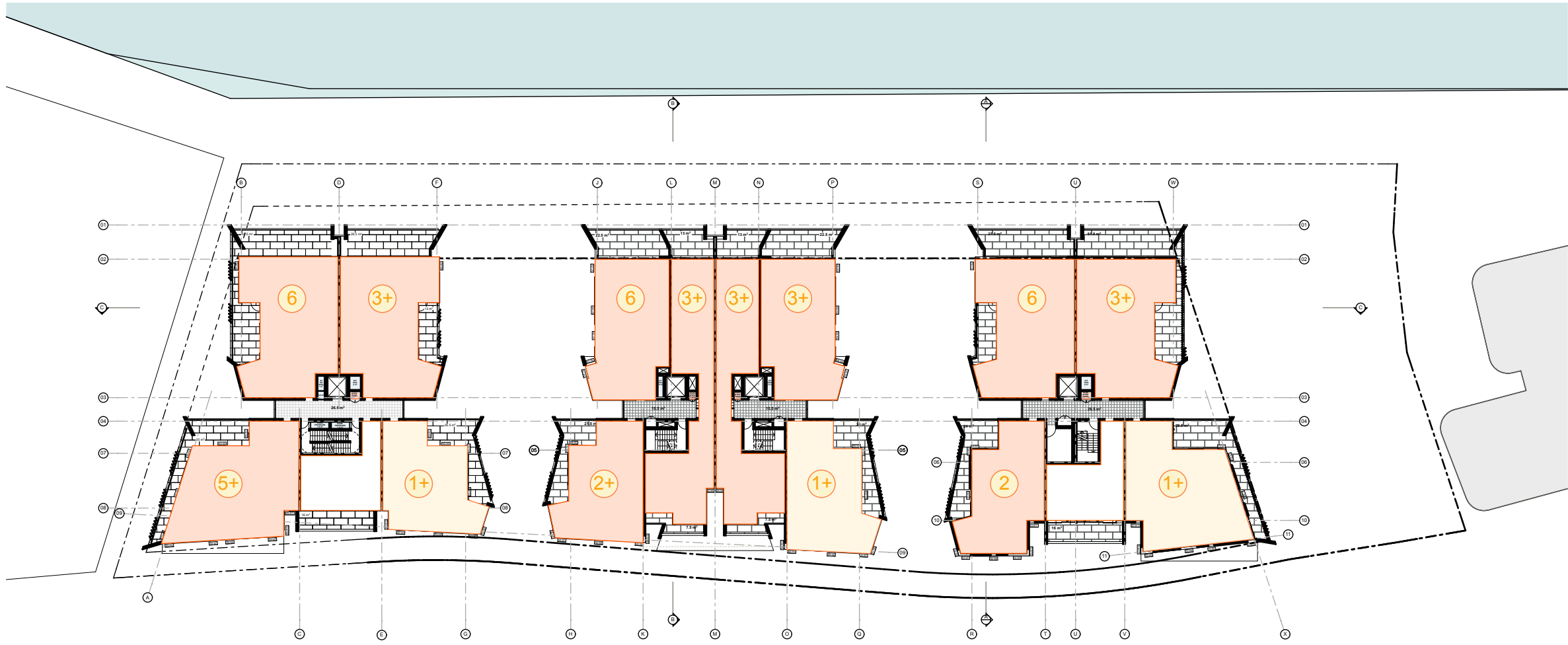
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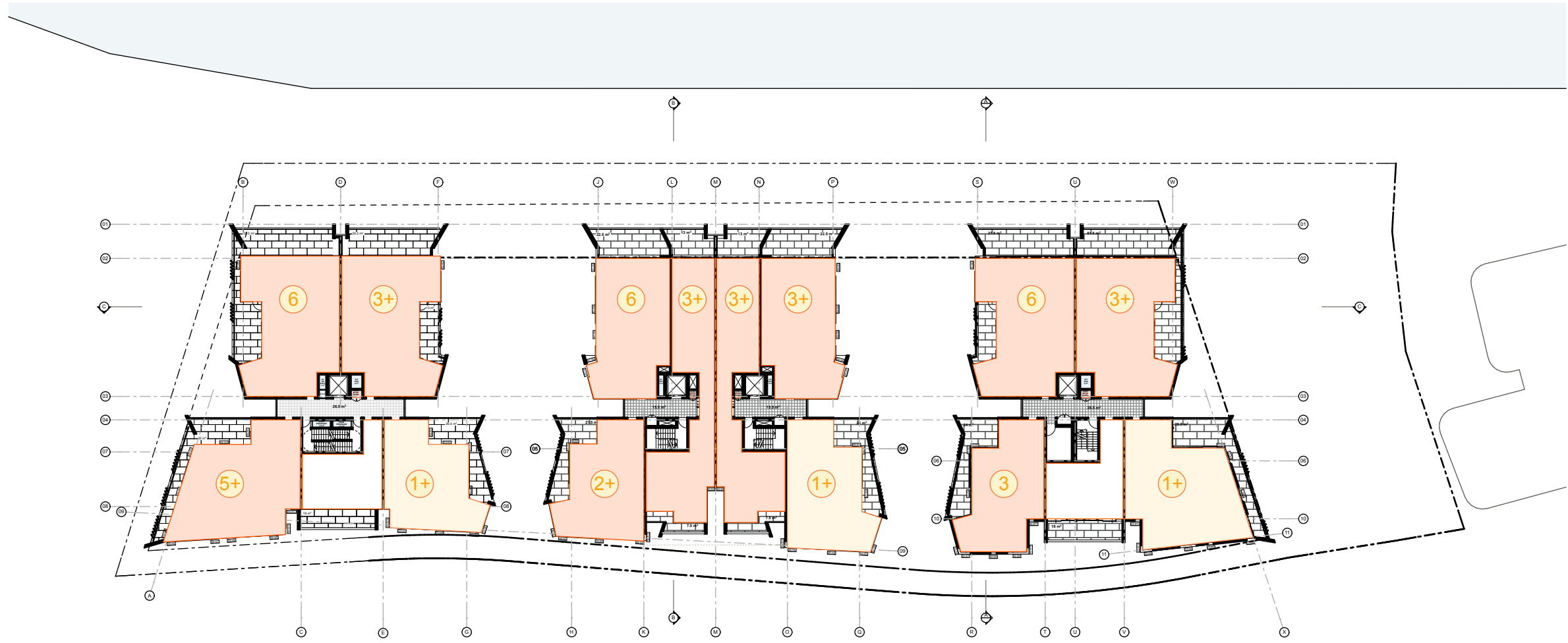
Level 02 Plan



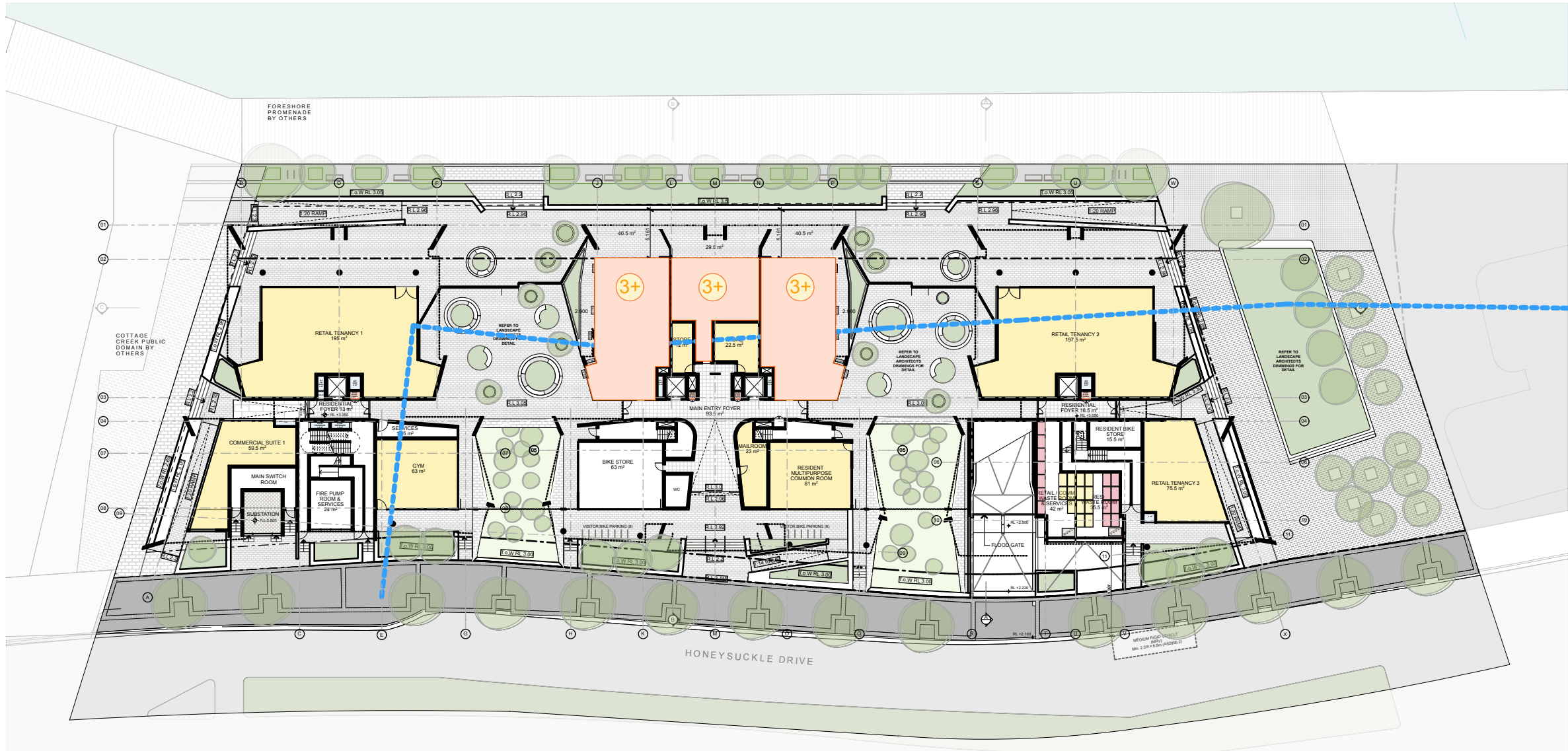
Level 04 Plan



Level 01 Plan



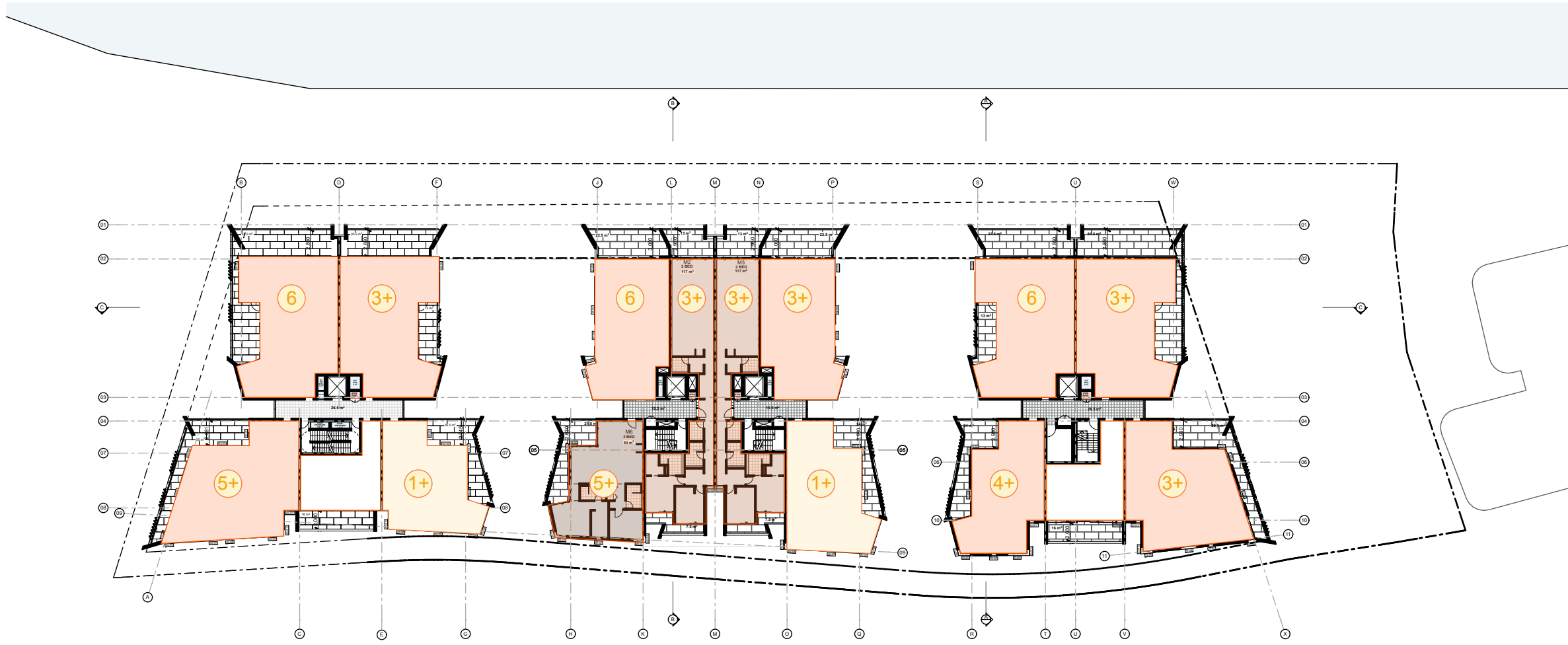
Level 03 Plan



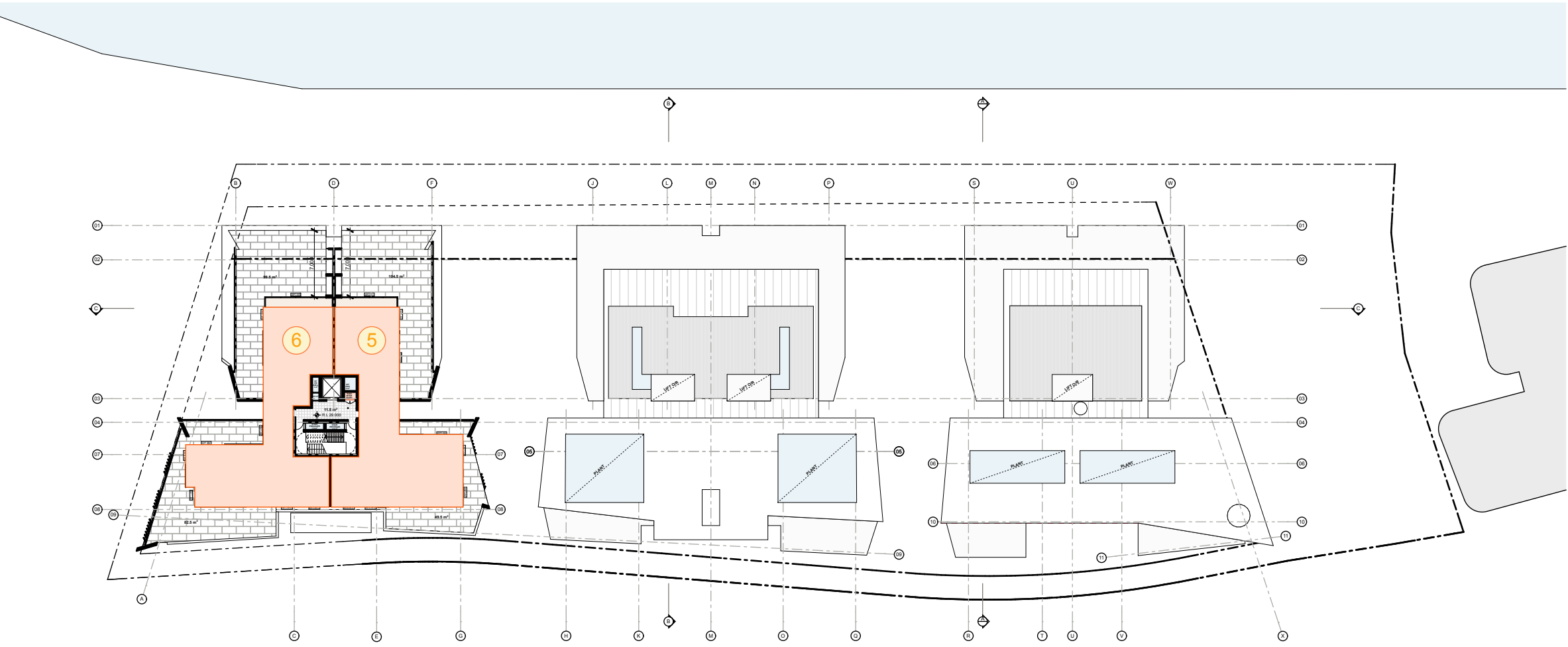
Ground Floor Plan

SOLAR ANALYSIS		
LEVEL	TOTAL APARTMENTS	2 HR+ SOLAR
GROUND FLOOR	3	3
LEVEL 01	16	11
LEVEL 02	16	11
LEVEL 03	16	11
LEVEL 04	16	11
LEVEL 05	16	11
LEVEL 06	16	12
LEVEL 07	9	7
LEVEL 08	2	2
TOTAL	110	79 (71.8%)

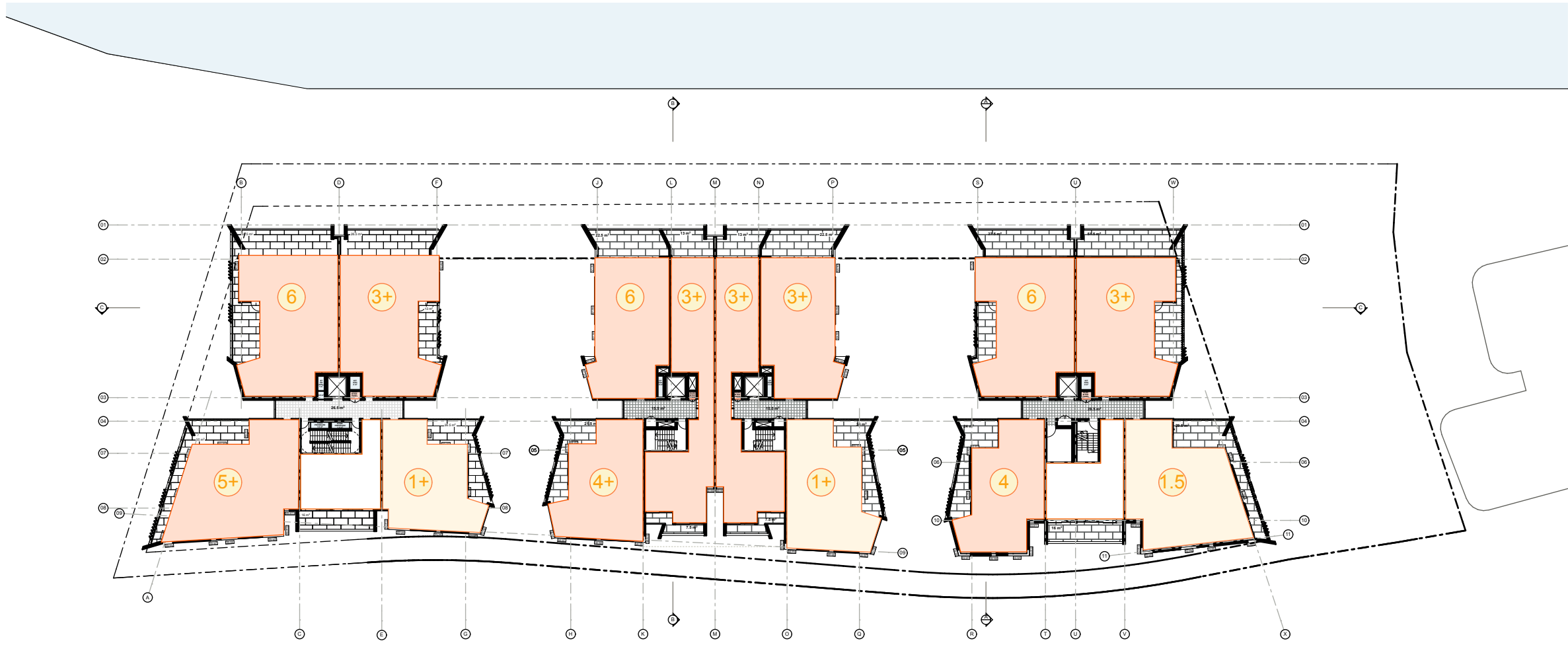
Development Application



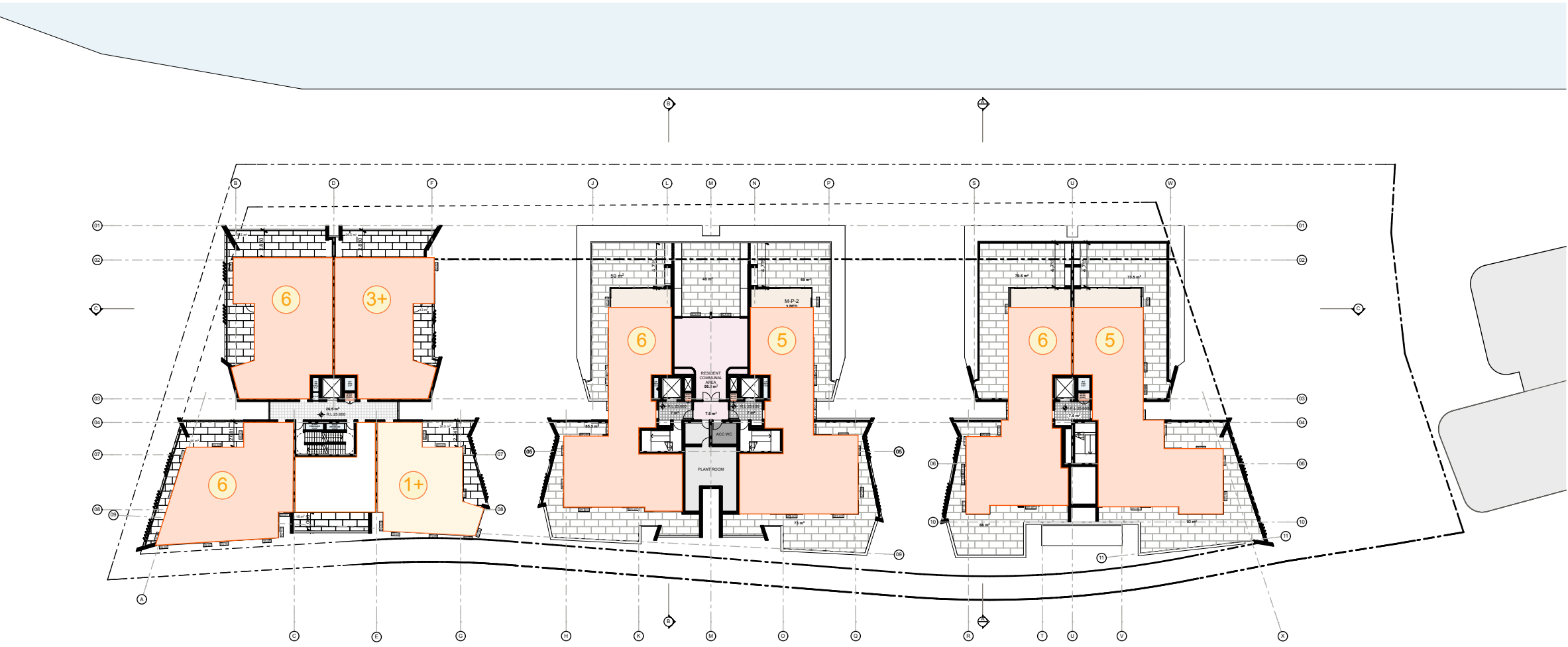
Level 06 Plan



Level 08 Plan



Level 05 Plan



Level 07 Plan

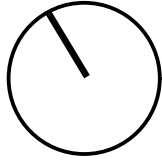
SOLAR ANALYSIS		
LEVEL	TOTAL APARTMENTS	2 HR+ SOLAR
GROUND FLOOR	3	3
LEVEL 01	16	11
LEVEL 02	16	11
LEVEL 03	16	11
LEVEL 04	16	11
LEVEL 05	16	11
LEVEL 06	16	12
LEVEL 07	9	7
LEVEL 08	2	2
TOTAL	110	79 (71.8%)

Development Application

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key plan



north point

consultants
Civil/Structural Engineers
BG&E
Level 1, 163 King St.
Newcastle, NSW, 2300

Town Planner
ADW Johnson
7/335 Hillborough Road
Warners Bay NSW 2282

clients
Horizon Newcastle Pty Ltd

architects in association

hill thalis
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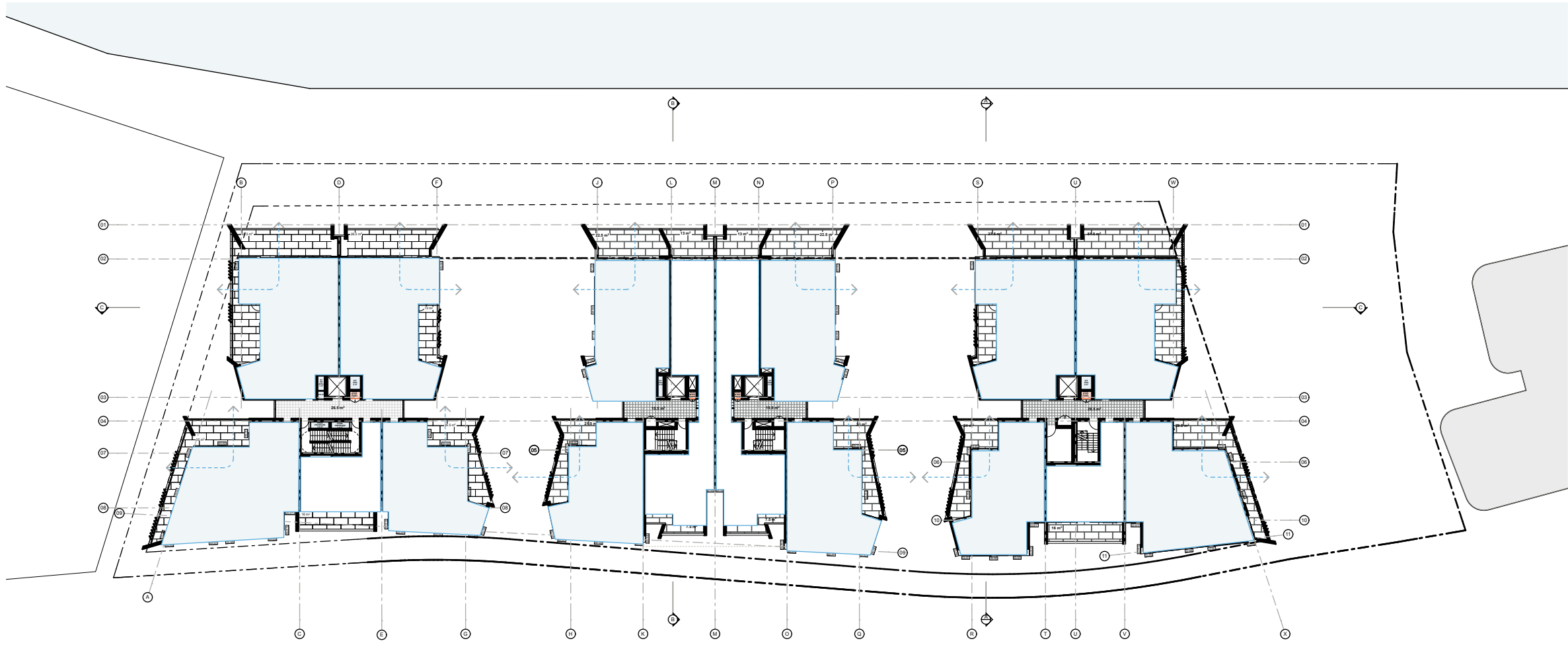
project

Horizon Lee 5
Lee 5 Honeysuckle
Newcastle, NSW
Australia

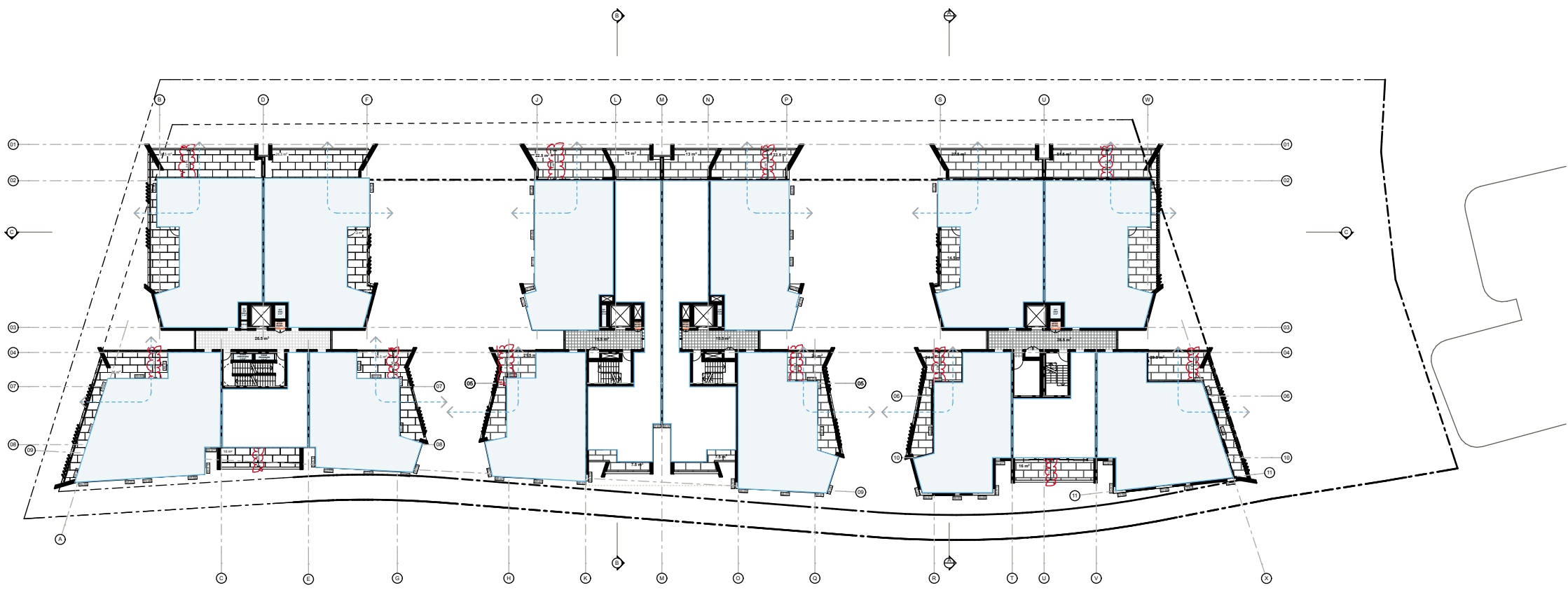
drawing title

ADG
Solar Analysis

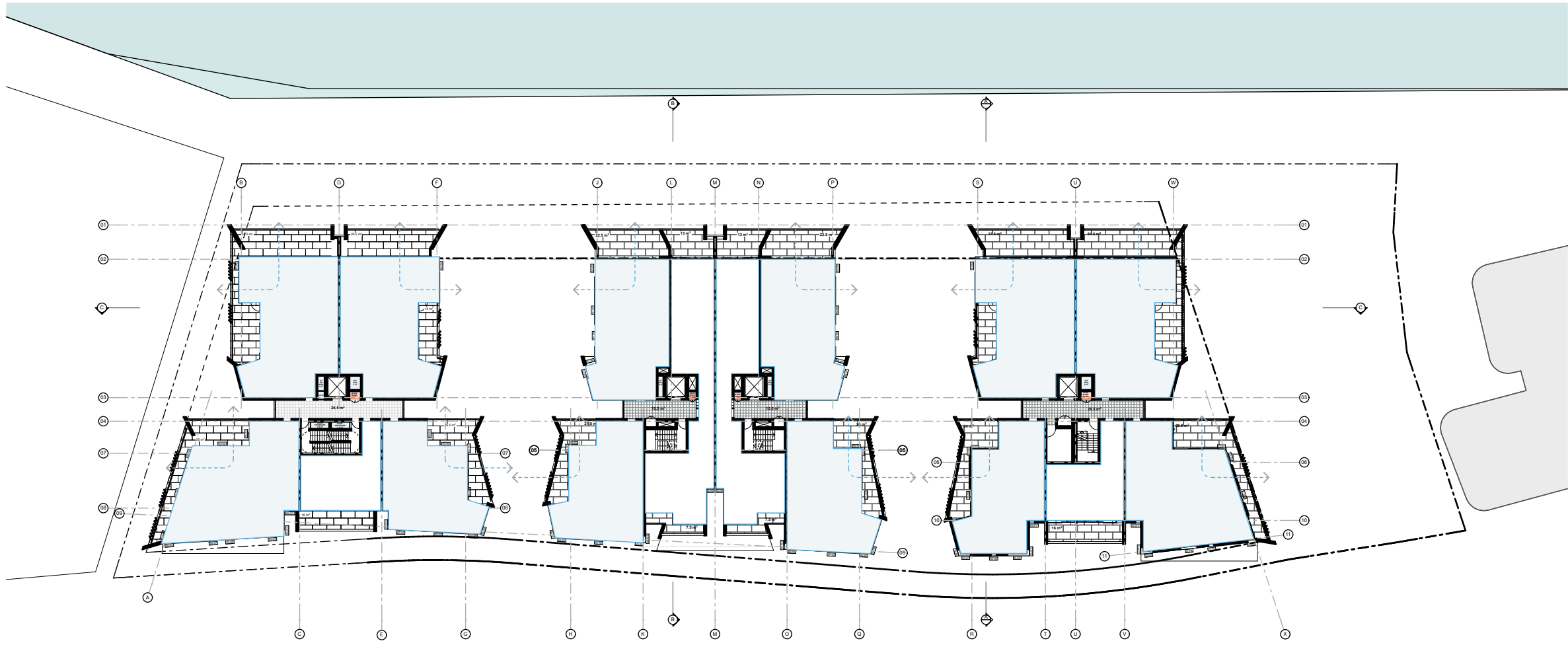
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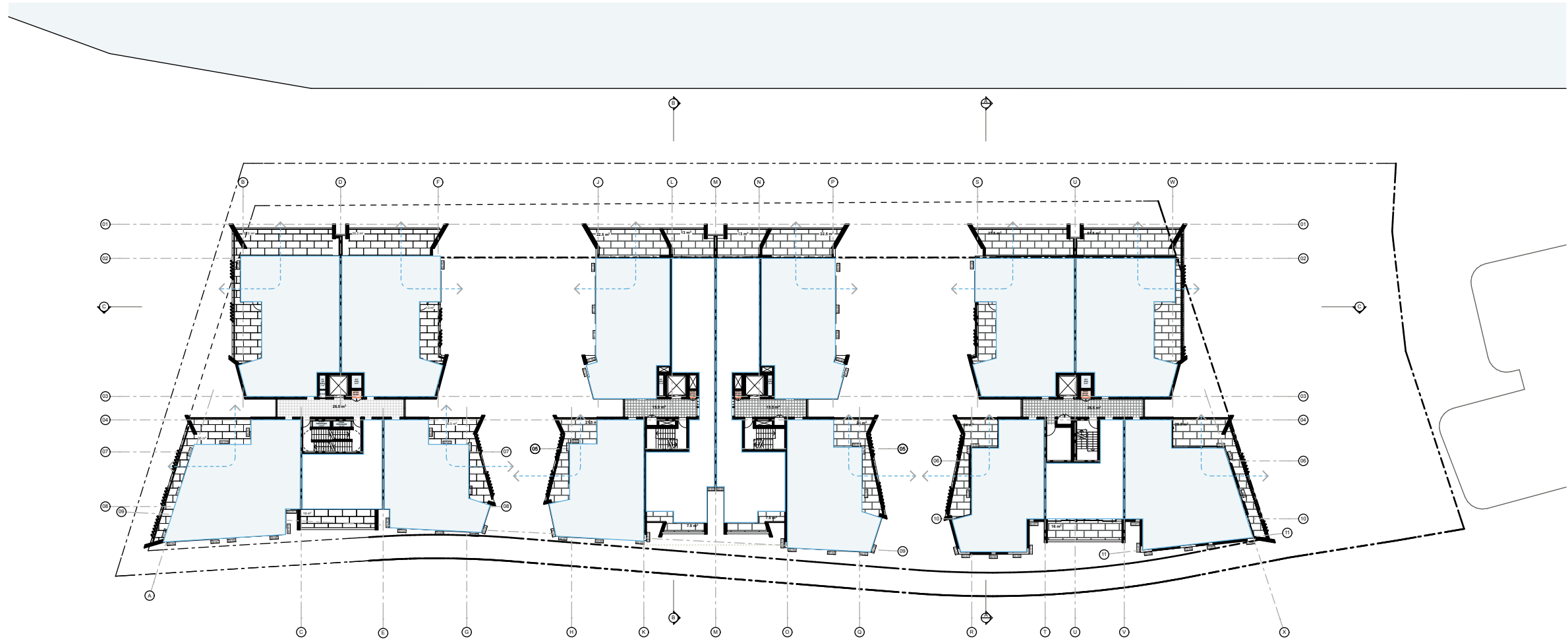
Level 02 Plan



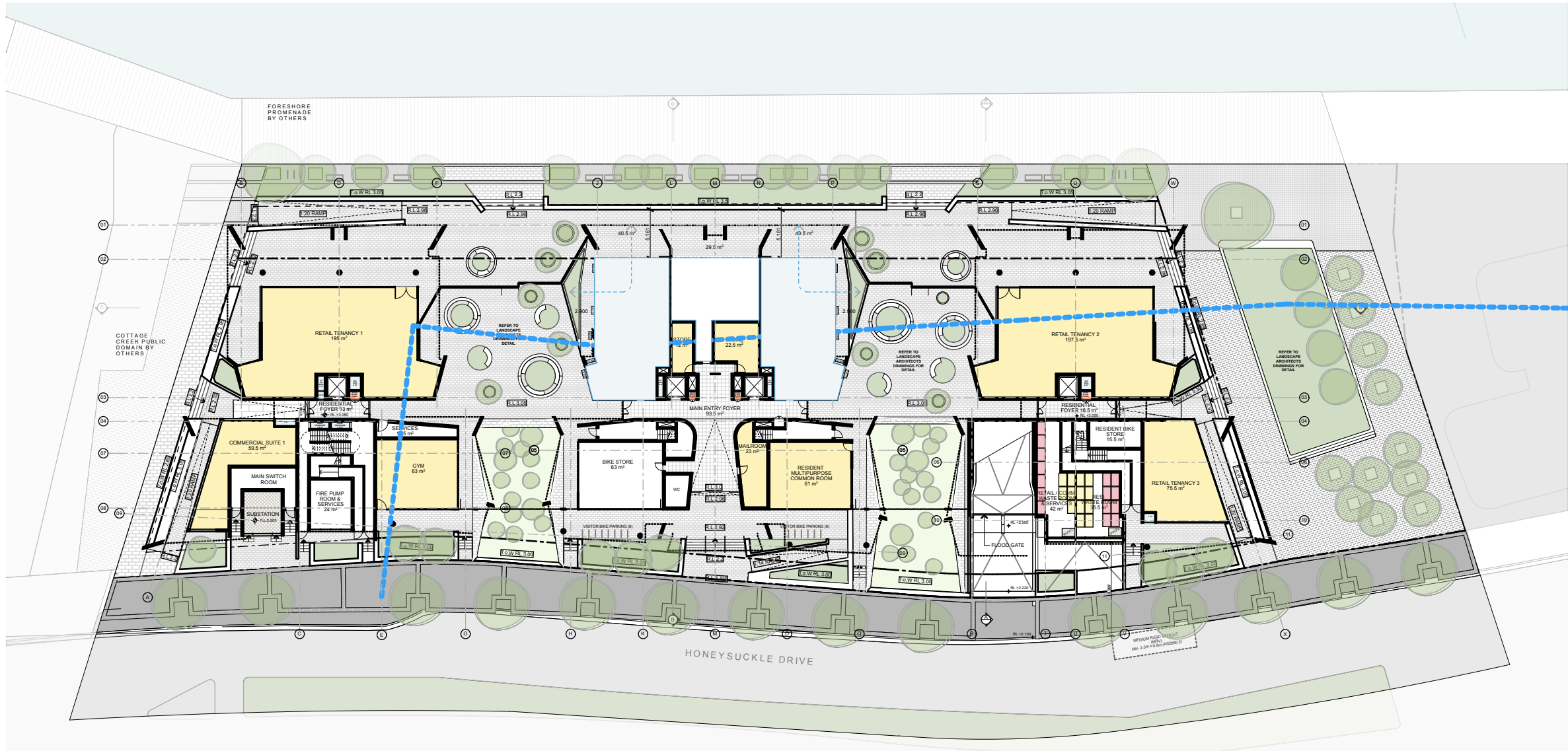
Level 04 Plan



Level 01 Plan



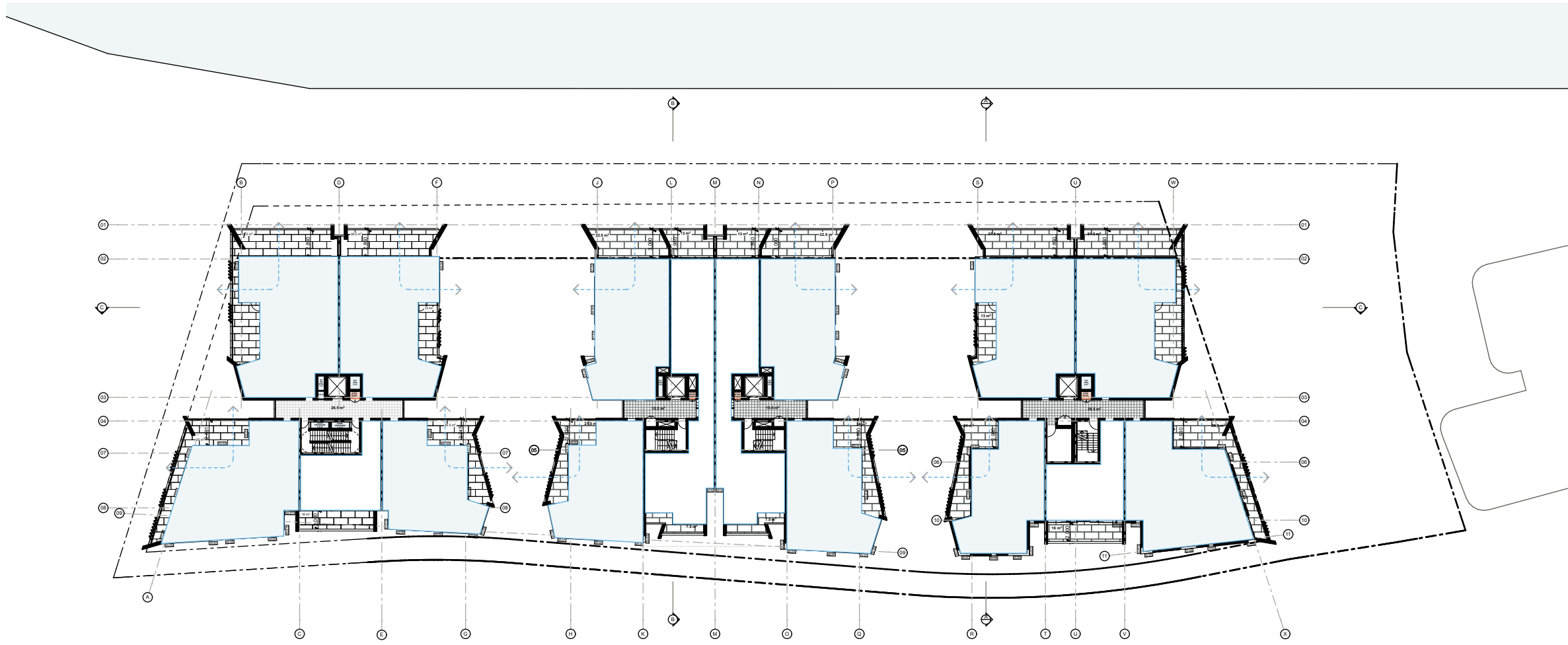
Level 03 Plan



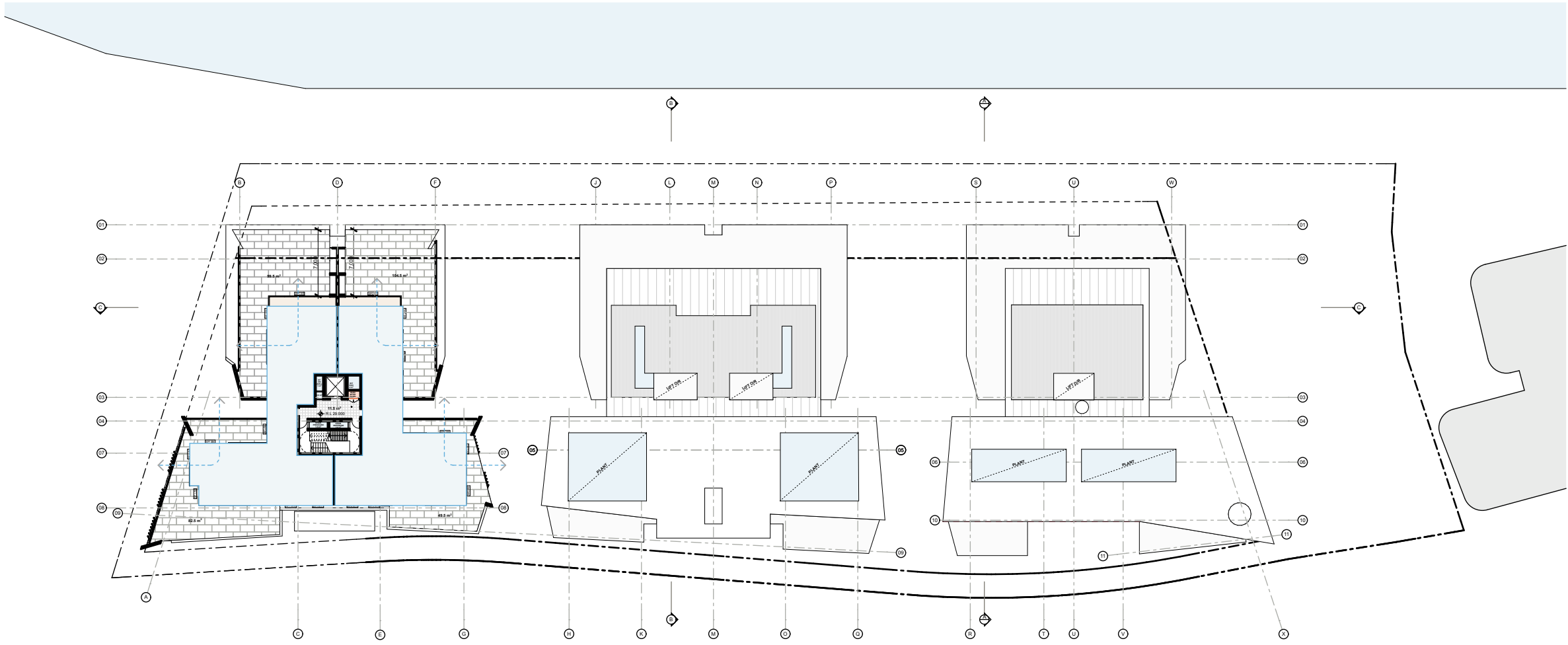
Ground Floor Plan

CROSS VENTILATION ANALYSIS		
LEVEL	TOTAL APARTMENTS	CROSS VENTILATED APARTMENTS
GROUND FLOOR	3	2
LEVEL 01	16	12
LEVEL 02	16	12
LEVEL 03	16	12
LEVEL 04	16	12
LEVEL 05	16	12
LEVEL 06	16	12
LEVEL 07	9	8
LEVEL 08	2	2
TOTAL	110	84 (76.4%)

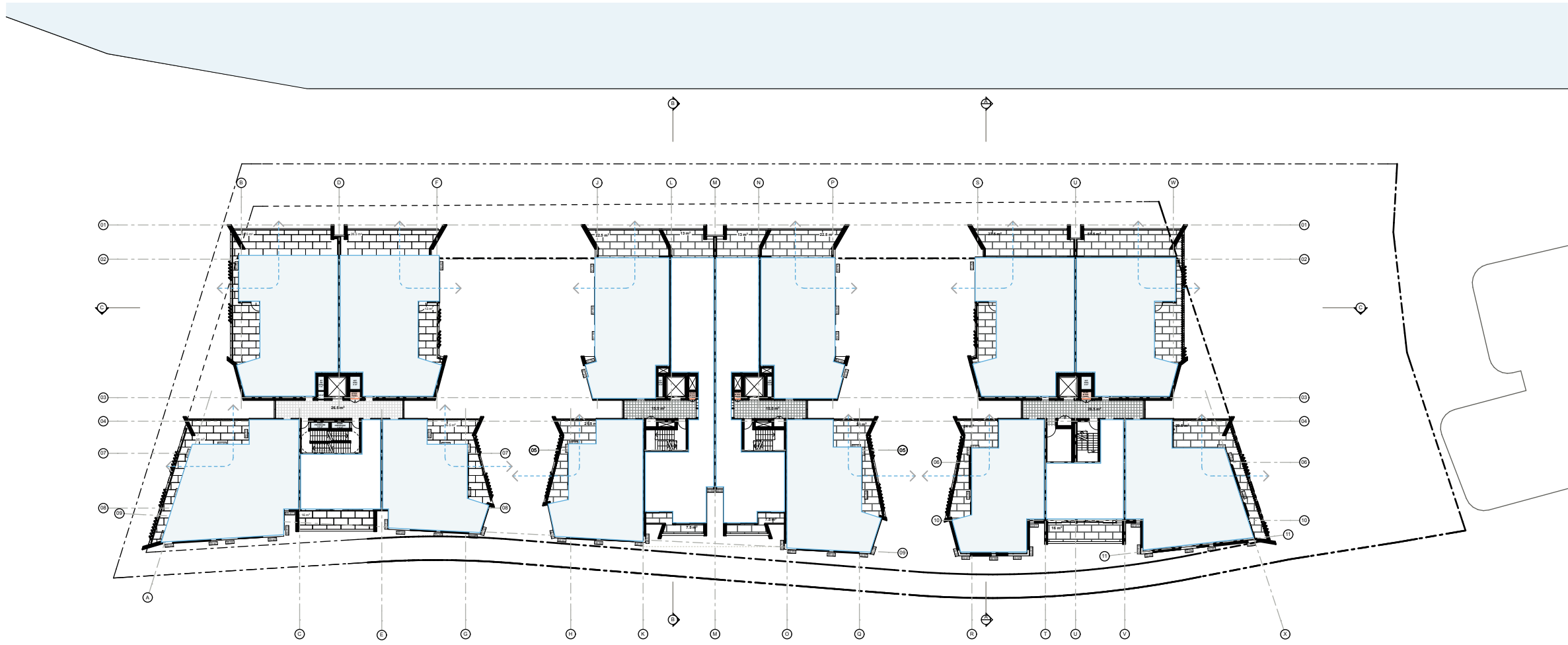
Development Application



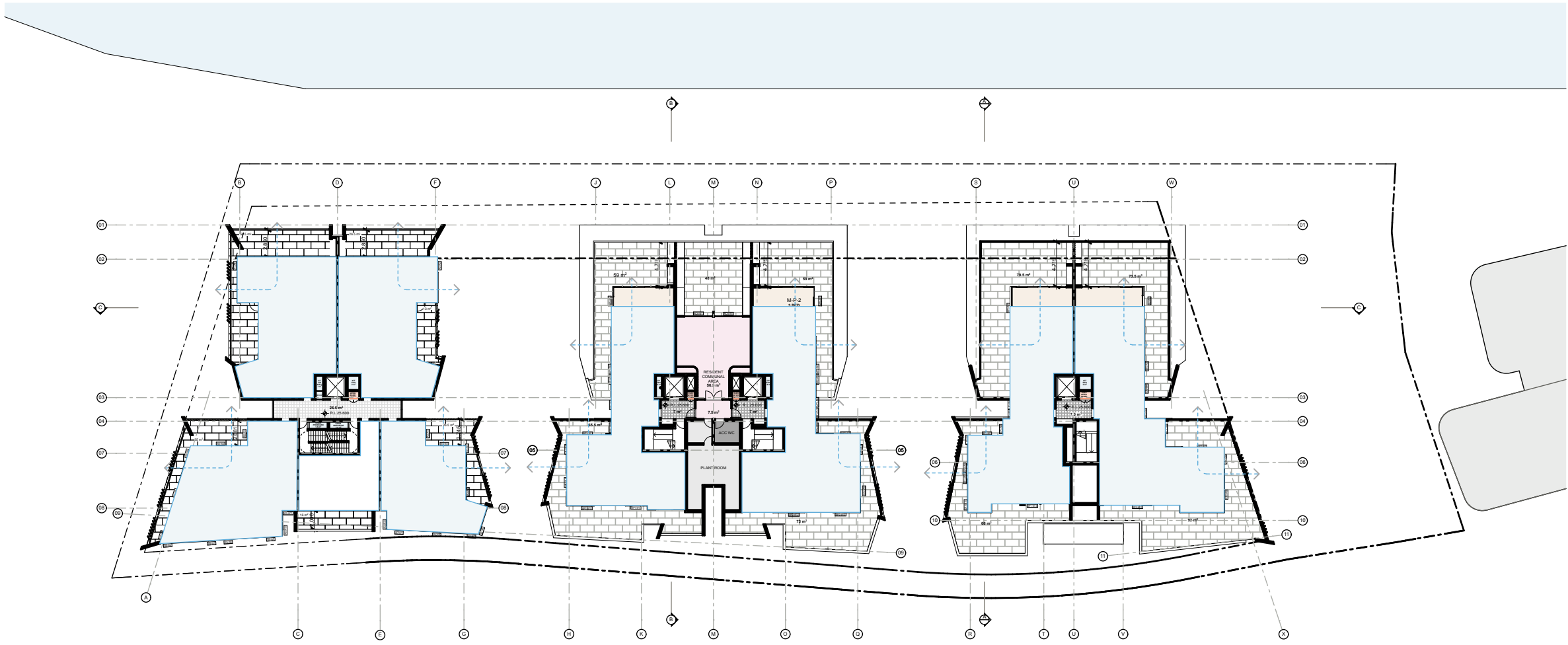
Level 06 Plan



Level 08 Plan



Level 05 Plan



Level 07 Plan

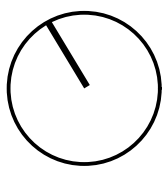
CROSS VENTILATION ANALYSIS		
LEVEL	TOTAL APARTMENTS	CROSS VENTILATED APARTMENTS
GROUND FLOOR	3	2
LEVEL 01	16	12
LEVEL 02	16	12
LEVEL 03	16	12
LEVEL 04	16	12
LEVEL 05	16	12
LEVEL 06	16	12
LEVEL 07	9	8
LEVEL 08	2	2
TOTAL	110	84 (76.4%)

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key plan



north point

consultants
Civil/Structural Engineers
BG&E
Level 1, 163 King St.
Newcastle, NSW, 2300

Mechanical Engineer
EVC Consulting Engineers
Suite 2, Level 1,
456 Hunter St
Newcastle NSW 2300

Town Planner
ADW Johnson
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Warners Bay NSW 2282

Electrical / Hydraulic Engineer
Acor Consultants
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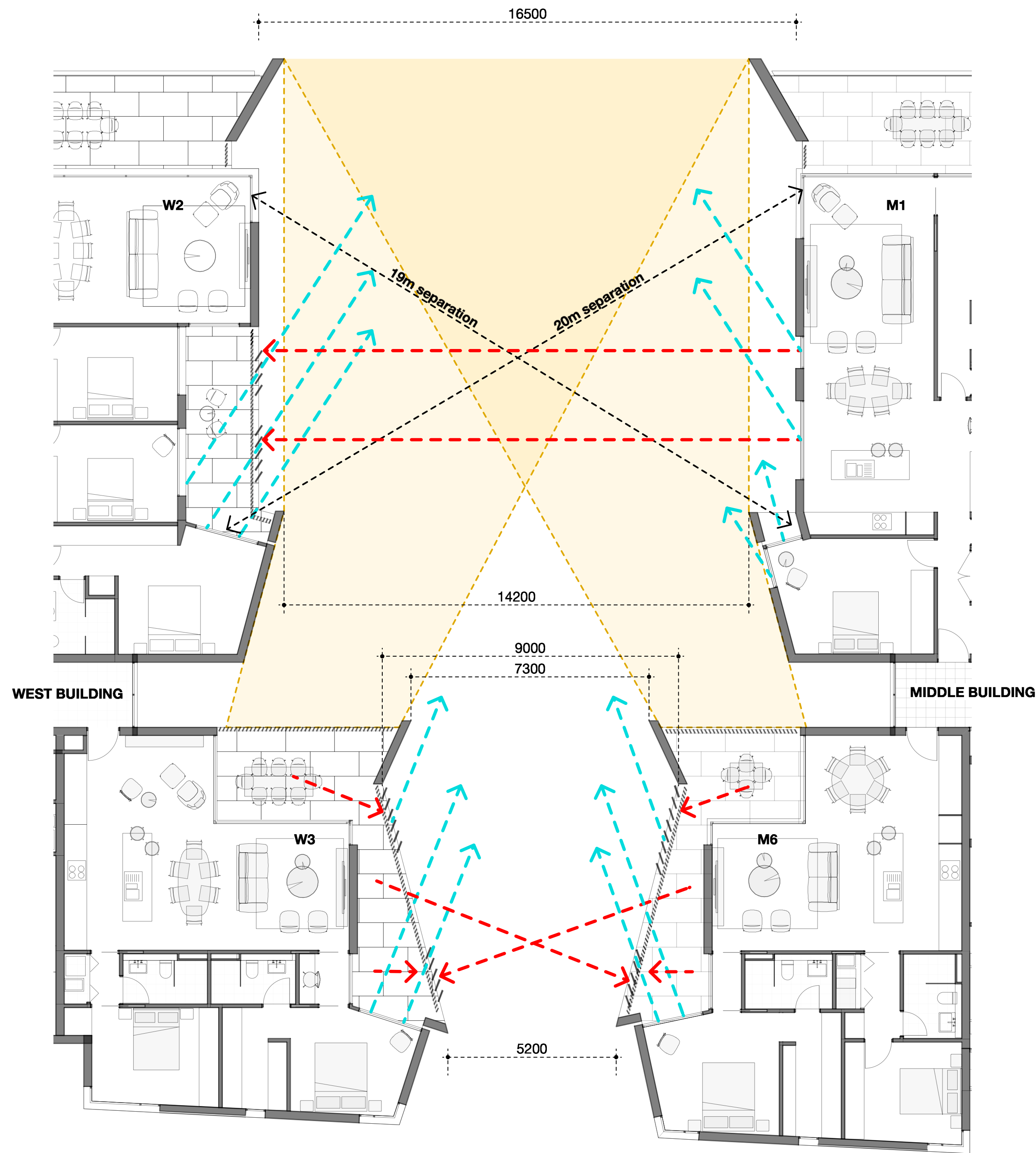


project
Horizon Lee 5
Lee 5 Honeysuckle
Newcastle, NSW
Australia

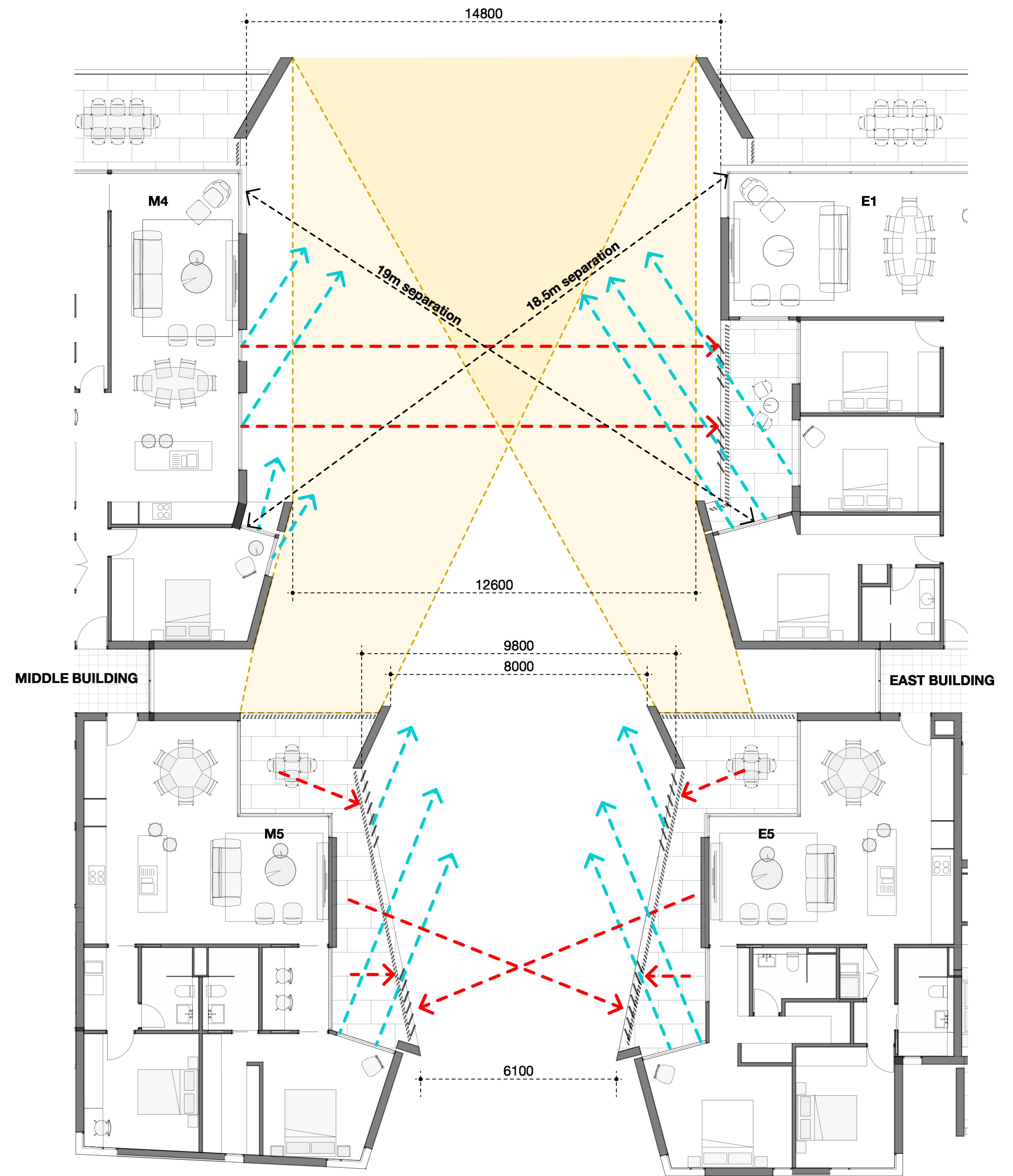
drawing title

ADG
Cross Ventilation Analysis

drawing scale	drawn	verified	date
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project #	drawing #	issue	
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1 Privacy and View Analysis (Between West and Middle Building)
Scale: 1:100



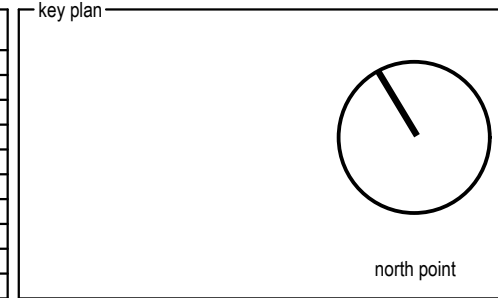
2 Privacy and View Analysis (Between Middle and East Building)
Scale: 1:100

- LEGEND
- Open views to harbour
 - Views blocked for privacy
 - Extent of view to harbour from north balcony between buildings

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admin@ckds.com.au
www.ckds.com.au

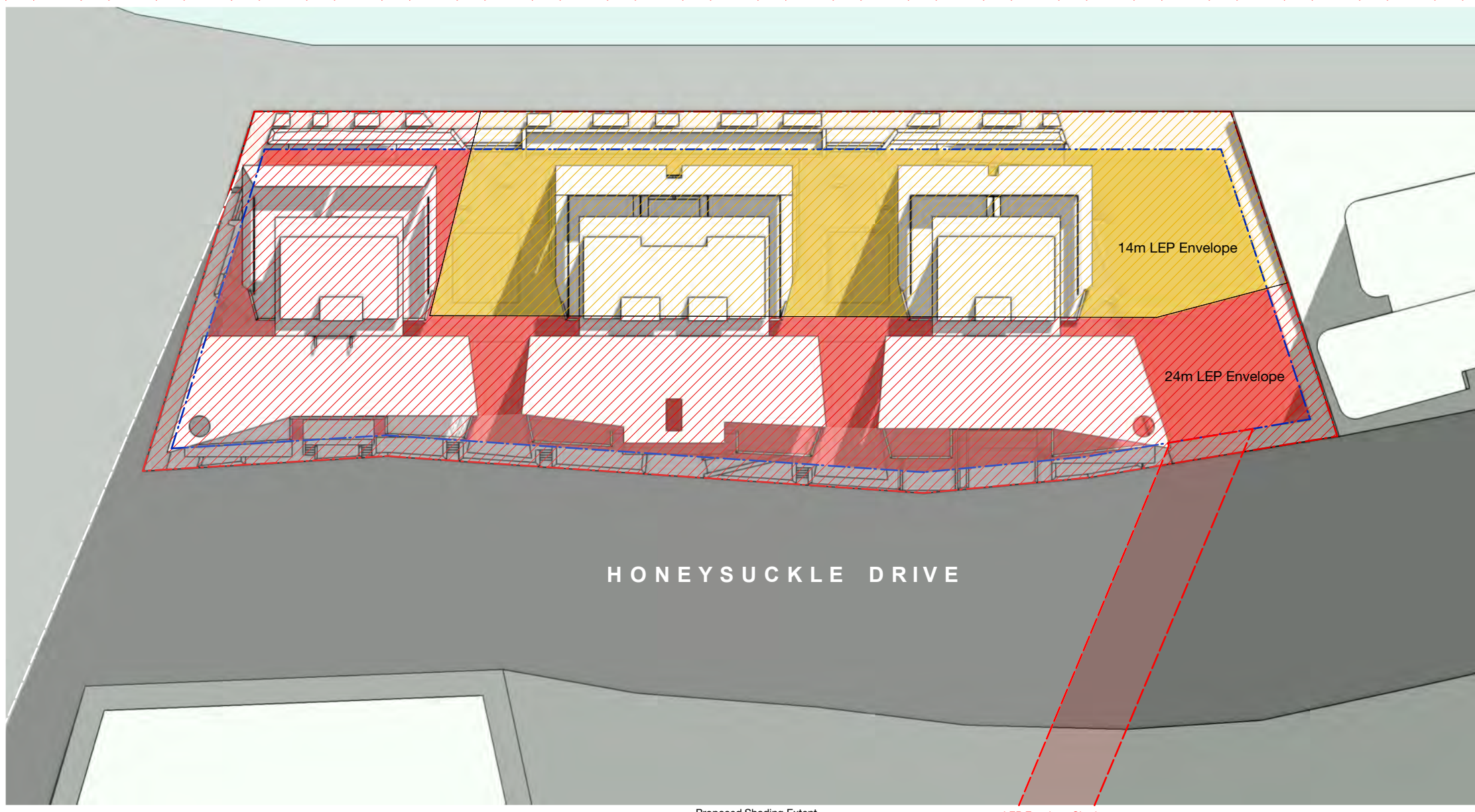
project
Horizon Lee 5
Lee 5 Honeysuckle
Newcastle, NSW
Australia

drawing title
ADG
Seperation & Privacy
Analysis

drawing scale
Refer to Drawing
project #
18122
drawing #
DA-708
date
02.07.19
issue
D

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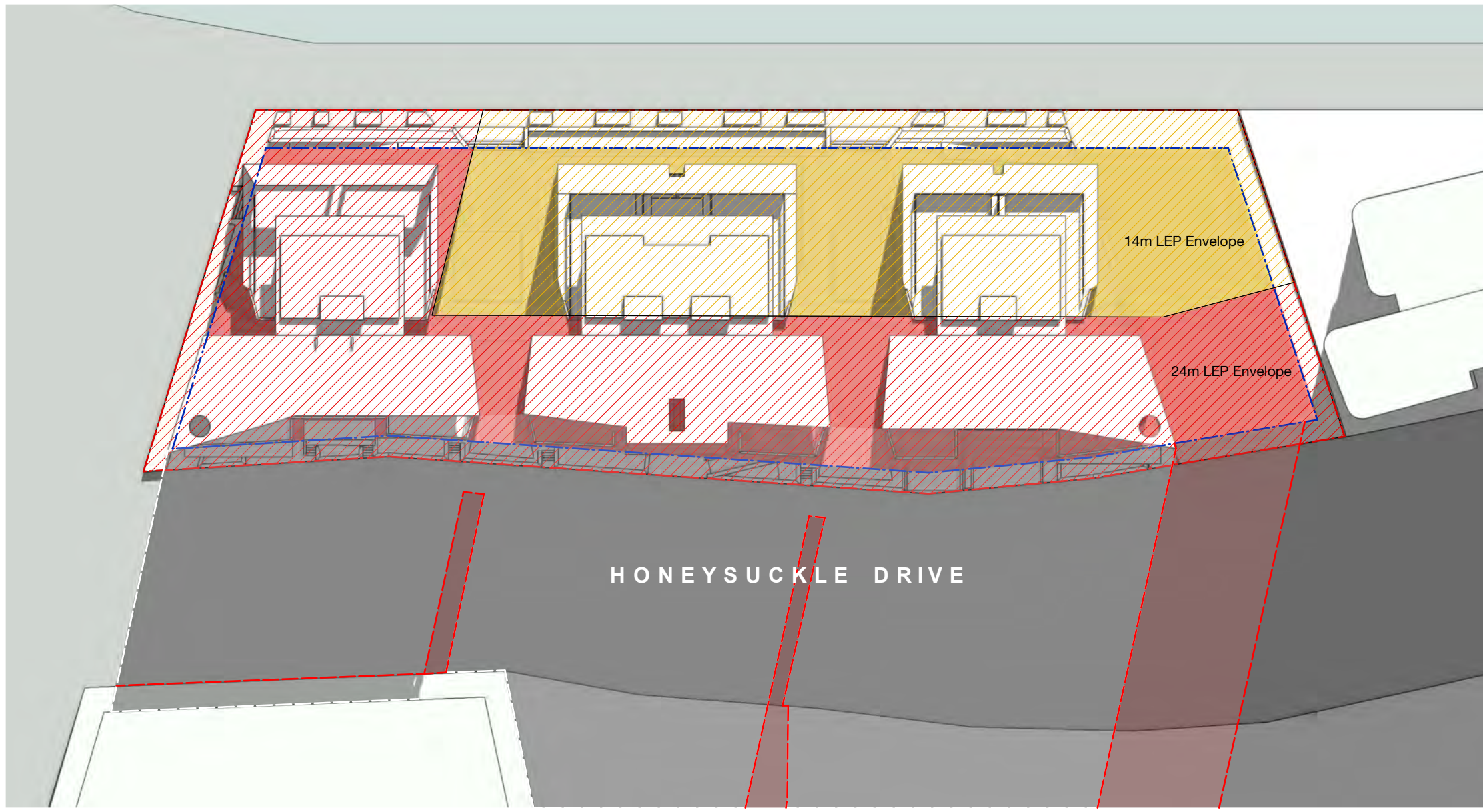
JUNE 21
8 AM



Proposed Shading Extent

LEP Envelope Shadow

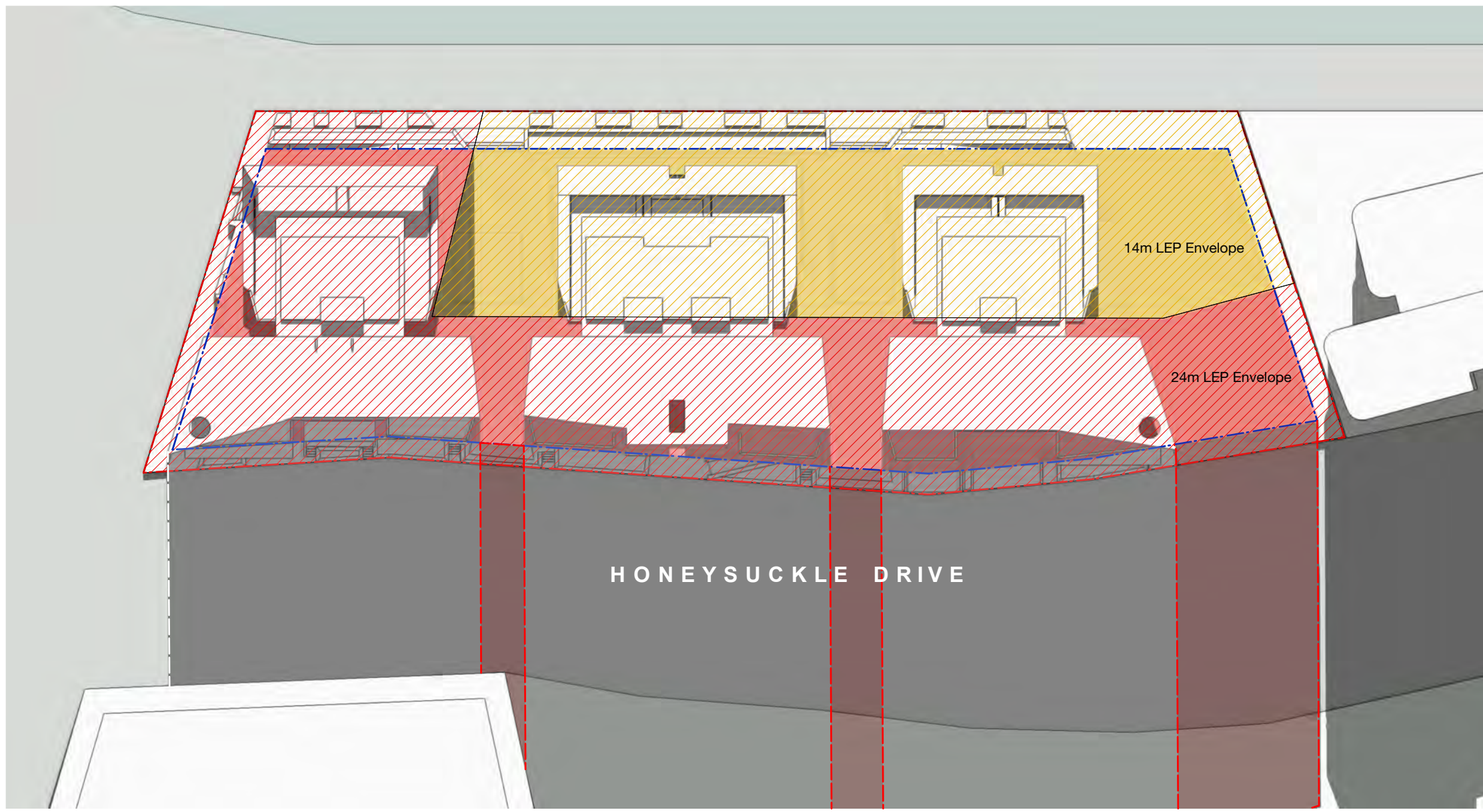
JUNE 21
9 AM



Proposed Shading Extent

LEP Envelope Shadow

JUNE 21
10 AM



Proposed Shading Extent

LEP Envelope Shadow

JUNE 21 - shadow casting extent
8 AM



24m LEP Envelope

14m LEP Envelope

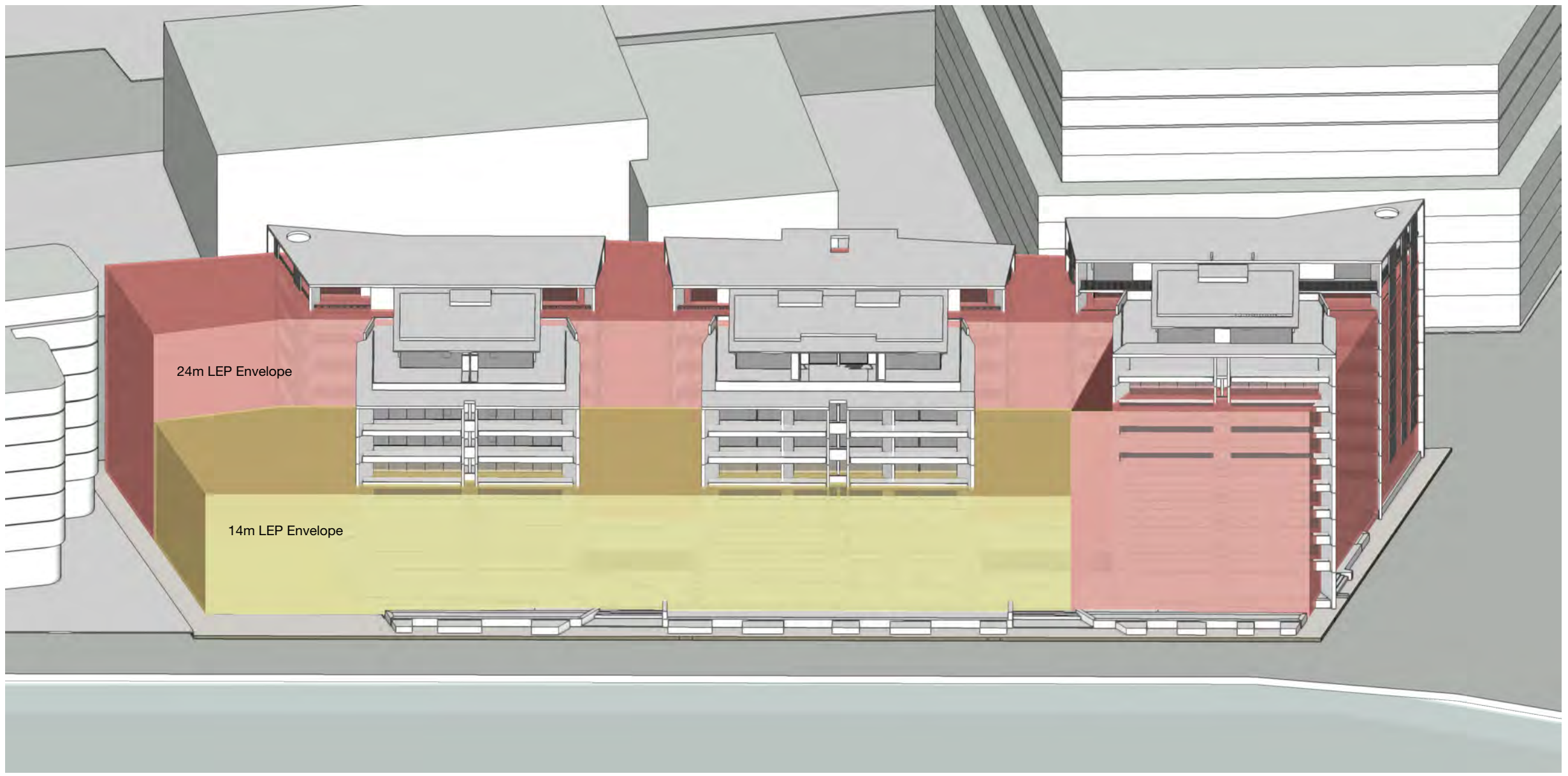
JUNE 21 - shadow casting extent
9 AM



24m LEP Envelope

14m LEP Envelope

JUNE 21 - shadow casting extent
10 AM



24m LEP Envelope

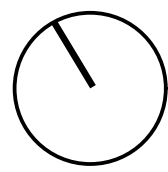
14m LEP Envelope

Development Application

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issue	revision	description	date	verified
A		REVISED DEVELOPMENT APPLICATION	23/01/2020	

key plan



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project

Horizon Lee 5
Lee 5 Honeysuckle
Newcastle, NSW
Australia

drawing title

ADG
LEP Solar Analysis

drawing scale

Refer to Drawing

project #

18122

drawing #

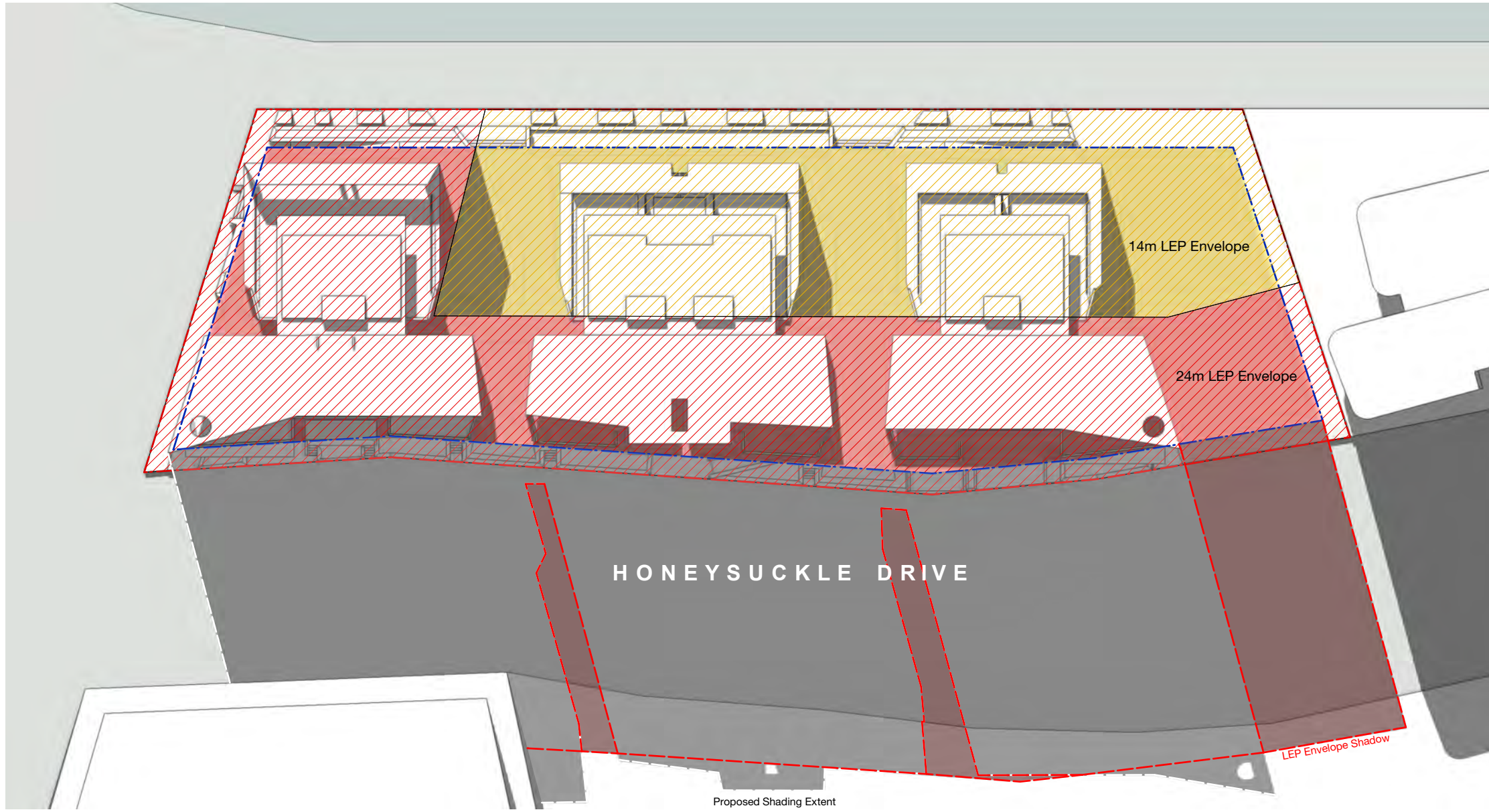
DA-709

issue

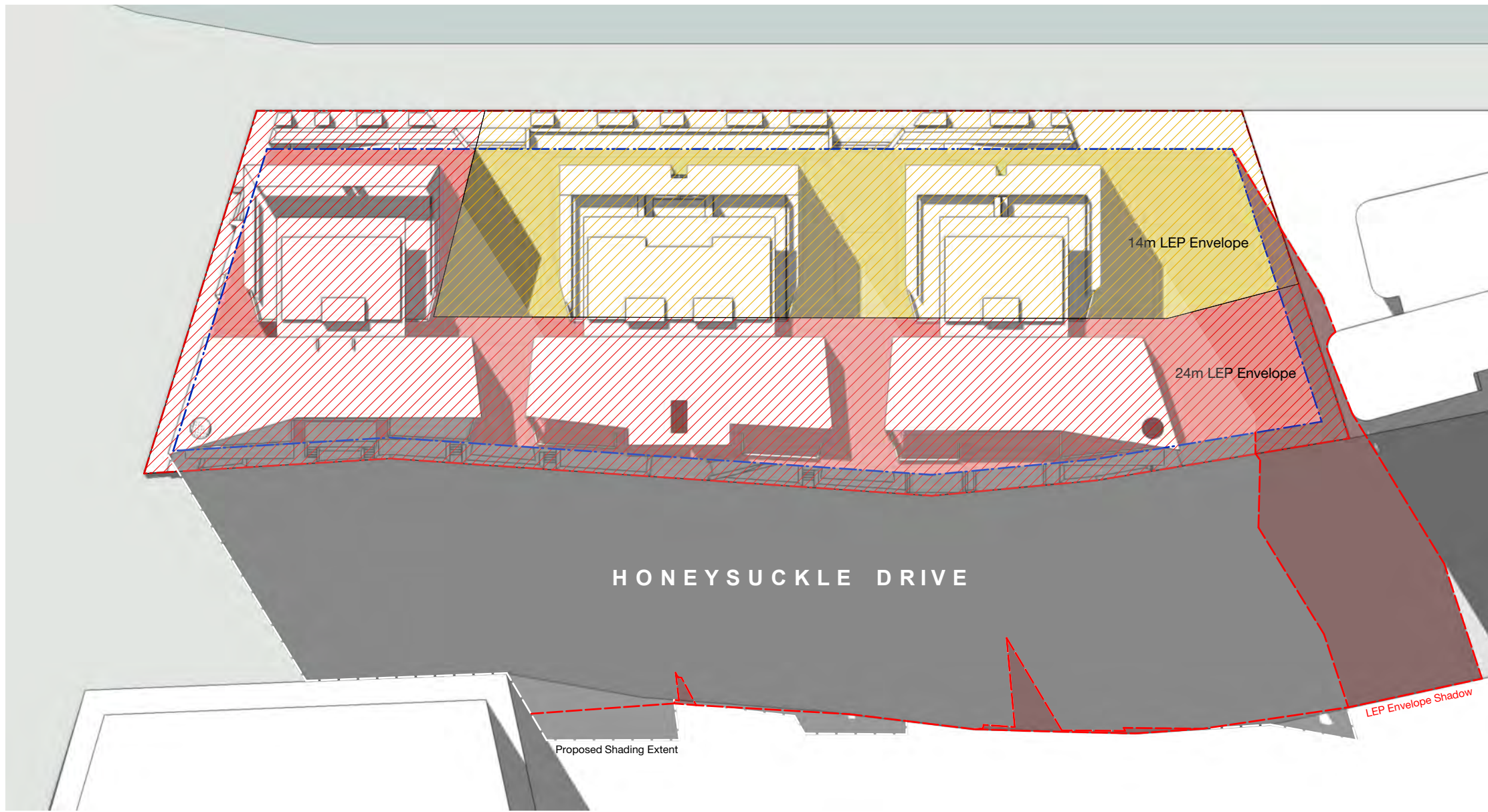
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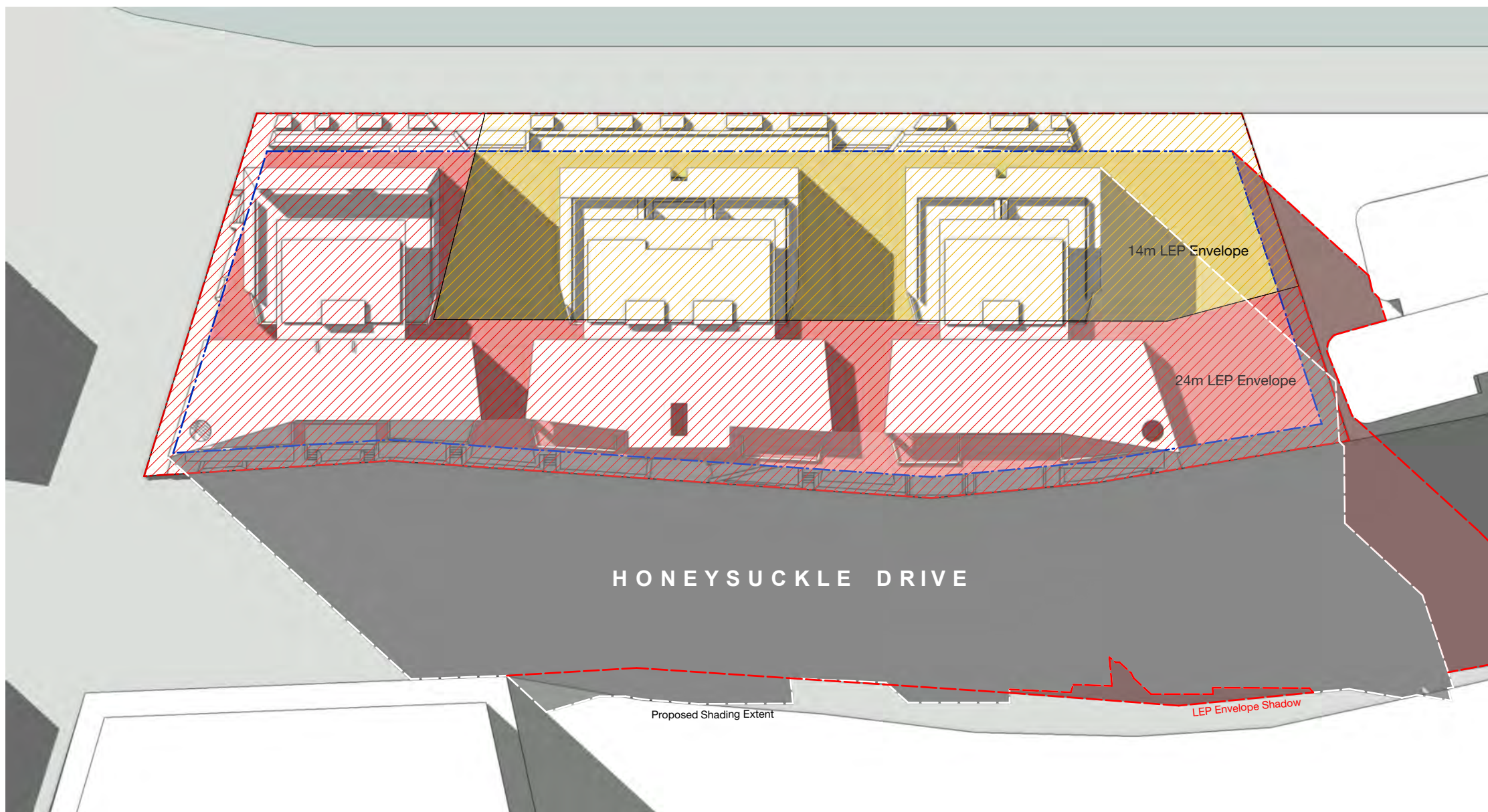
JUNE 21
11 AM



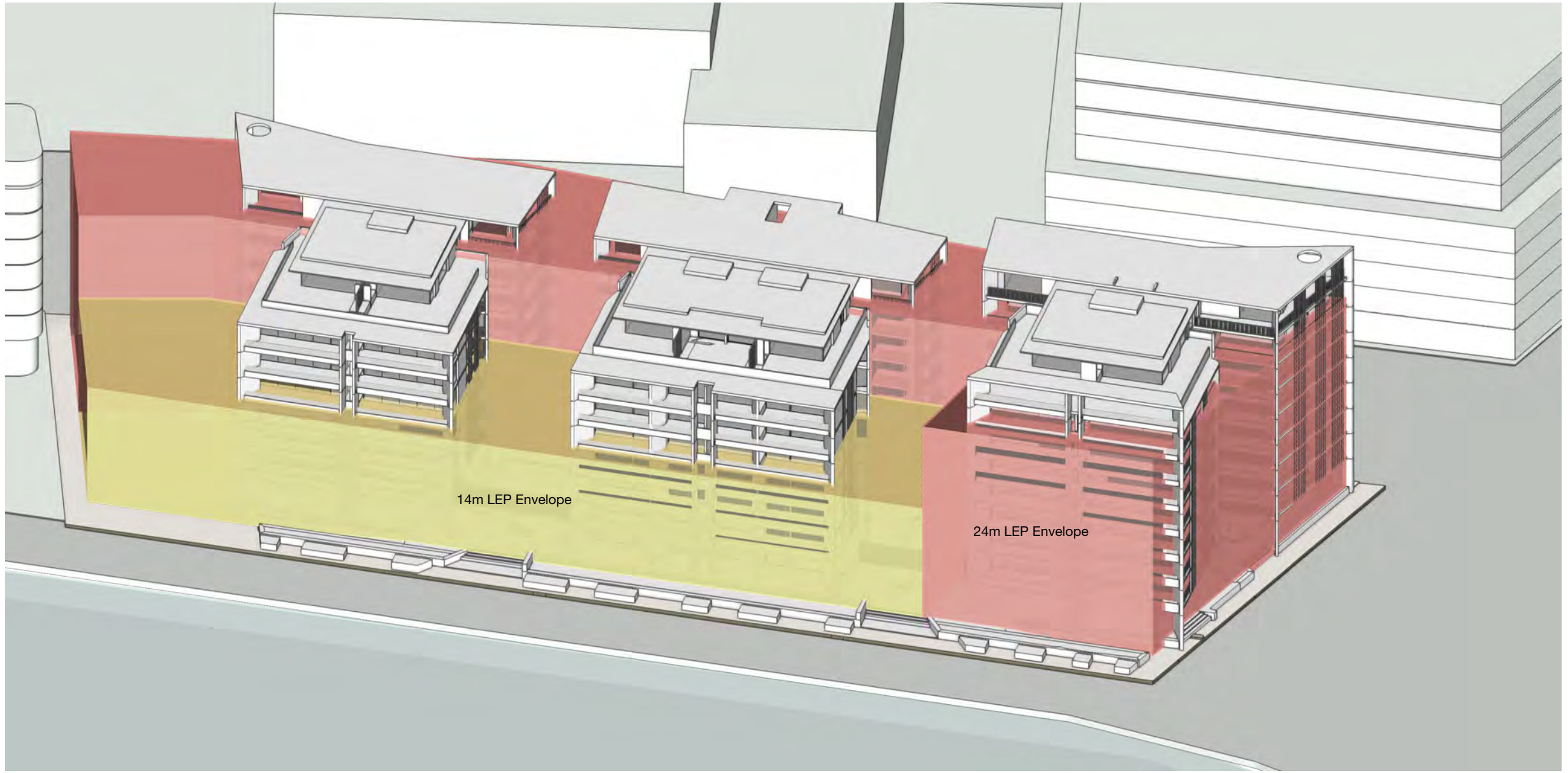
JUNE 21
12 PM



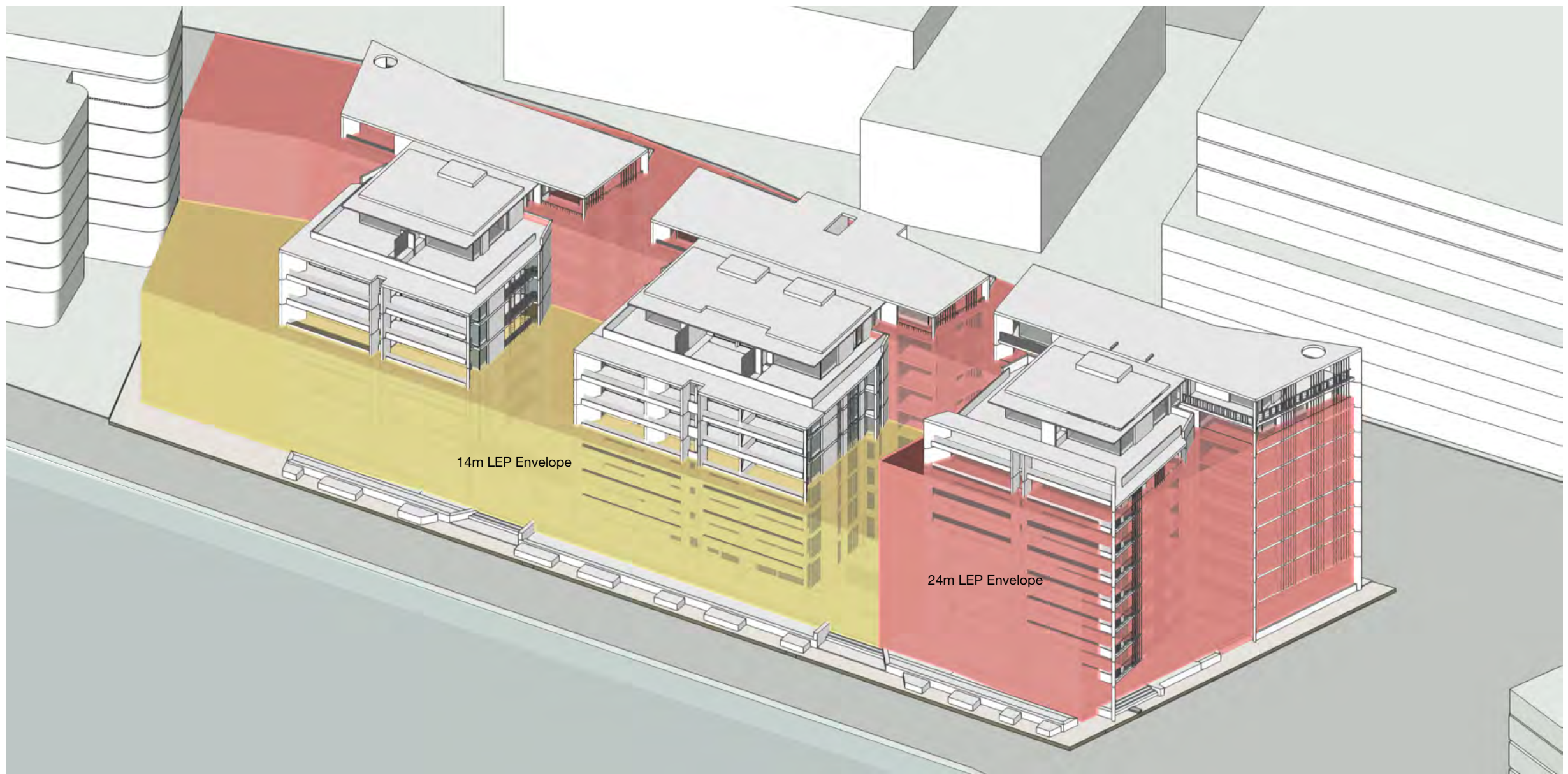
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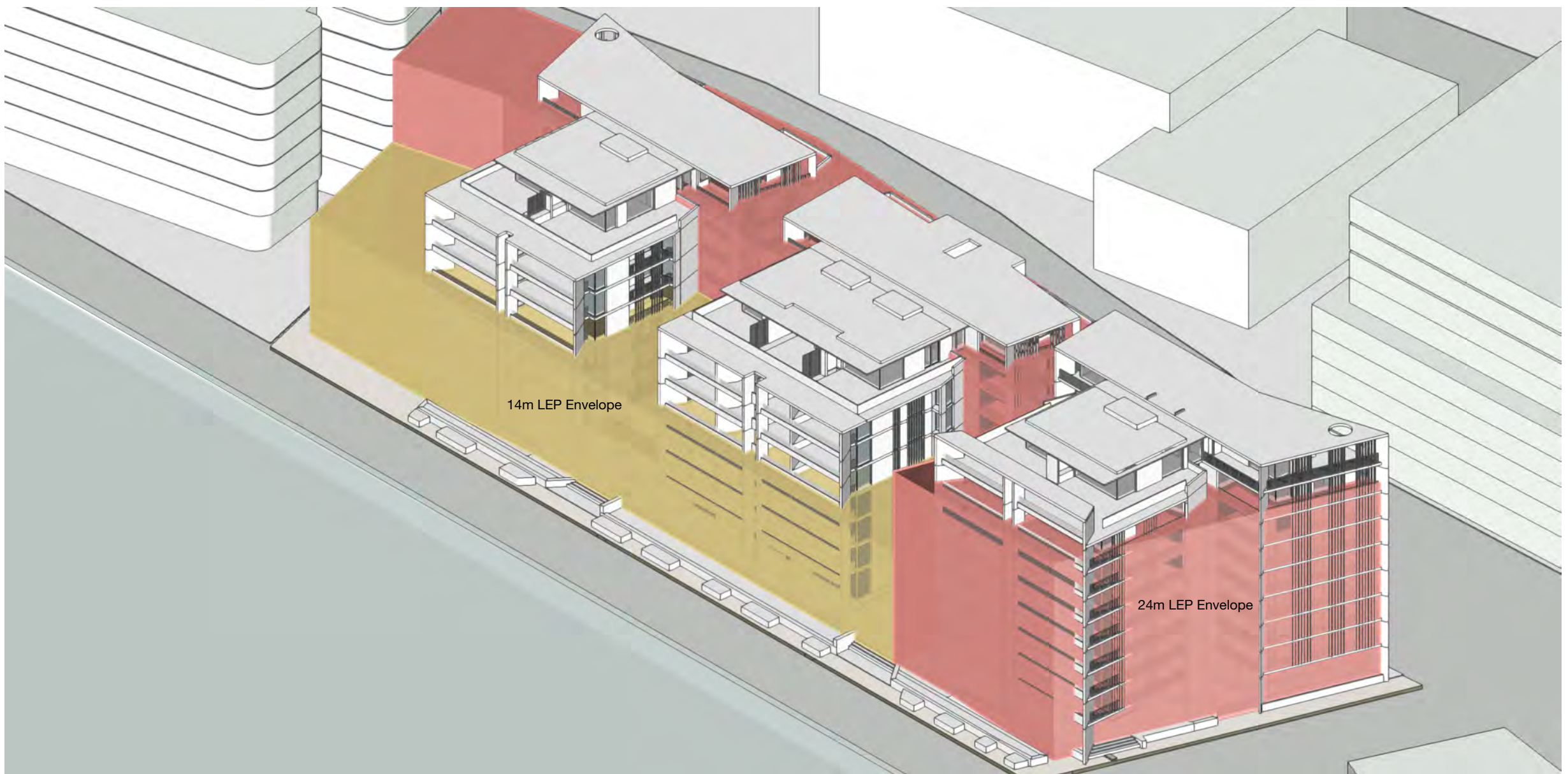
JUNE 21 - shadow casting extent
11 AM



JUNE 21 - shadow casting extent
12 PM



JUNE 21 - shadow casting extent
1 PM

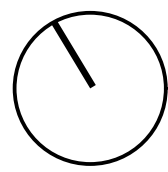


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issue	revision	description	date	verified
A		REVISED DEVELOPMENT APPLICATION	23/01/2020	

key plan



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project

Horizon Lee 5
Lee 5 Honeysuckle
Newcastle, NSW
Australia

drawing title

ADG
LEP Solar Analysis

drawing scale

Refer to Drawing

project #

18122

drawing #

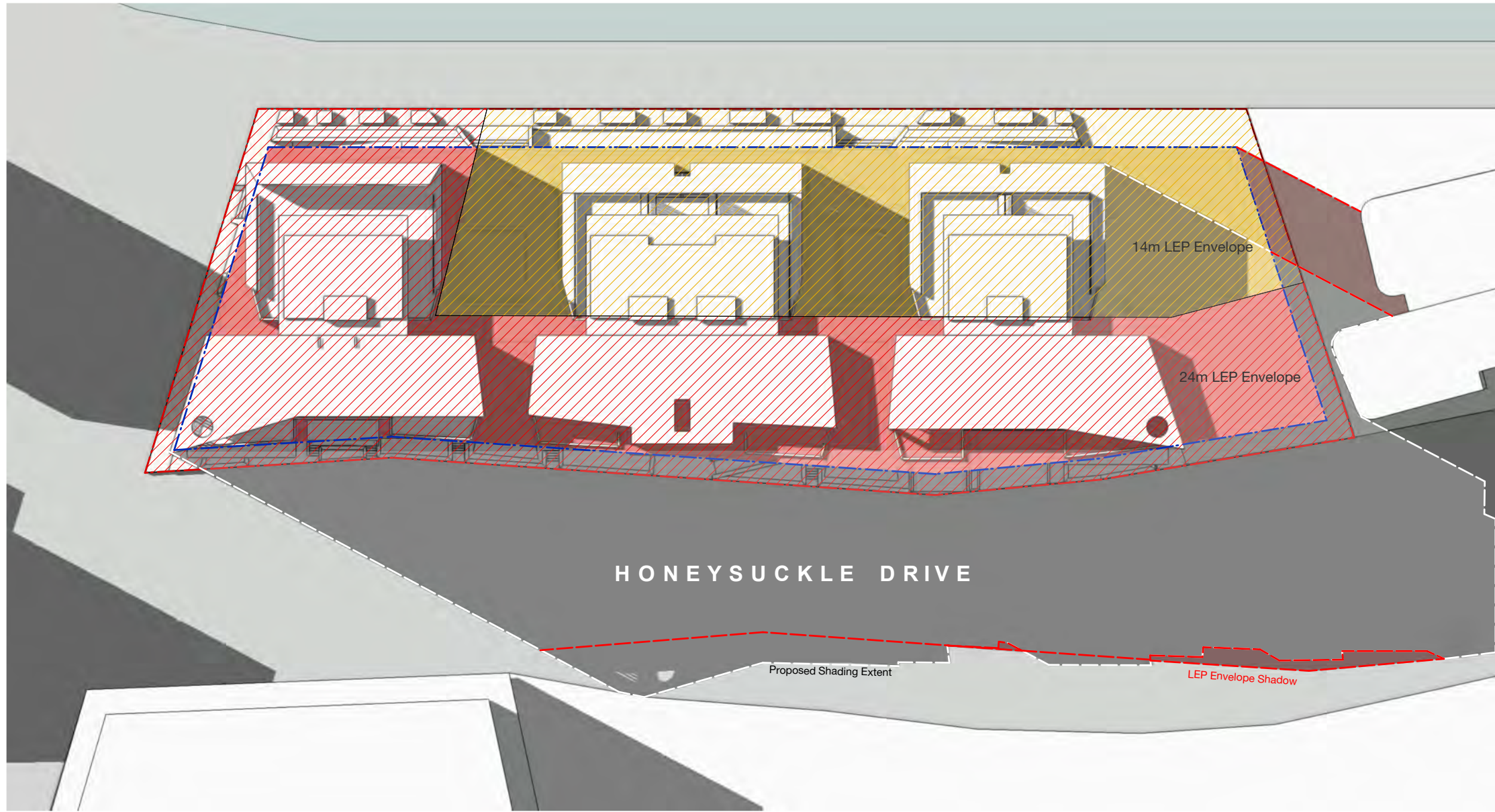
DA-710

issue

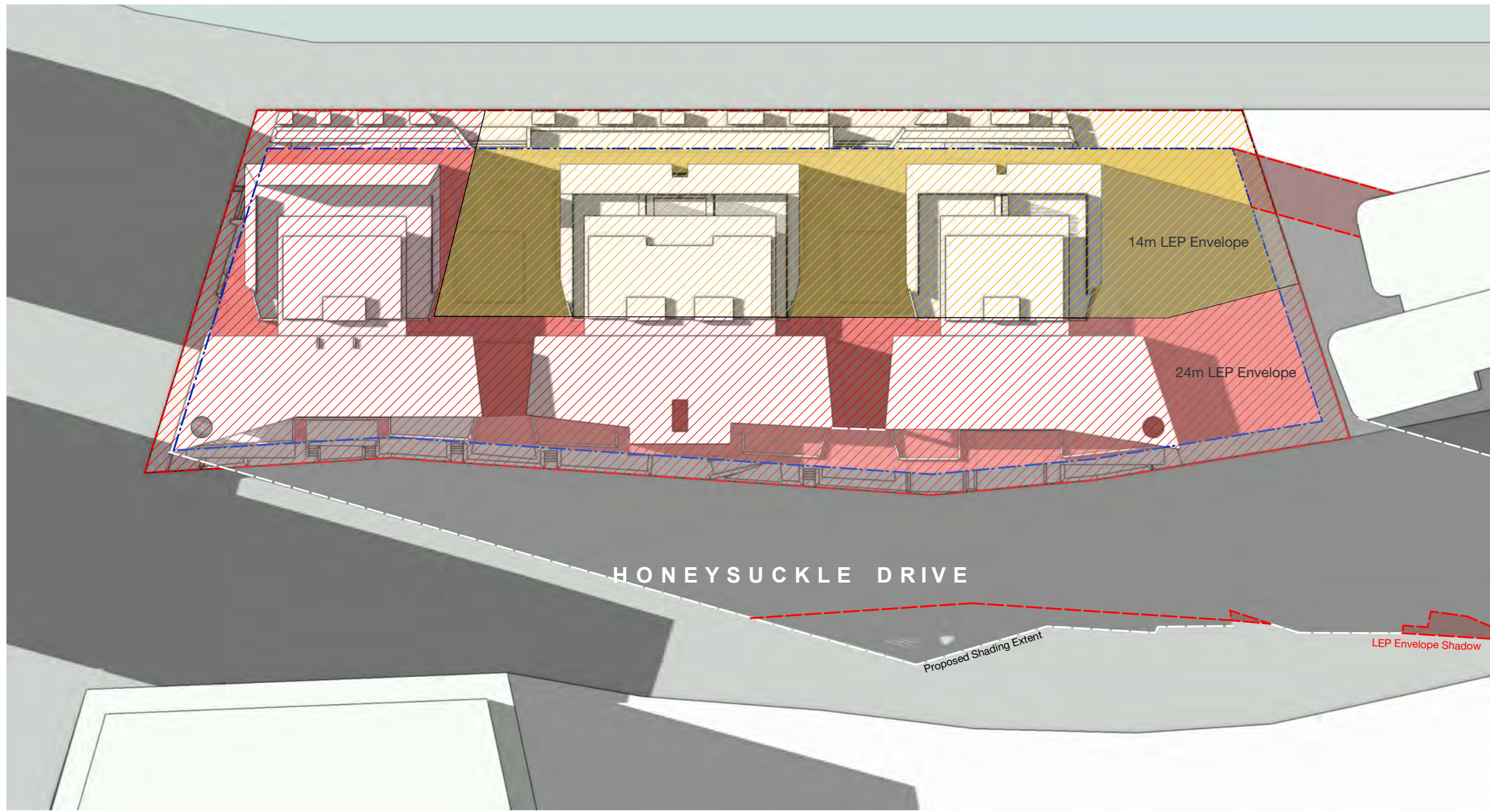
A

date

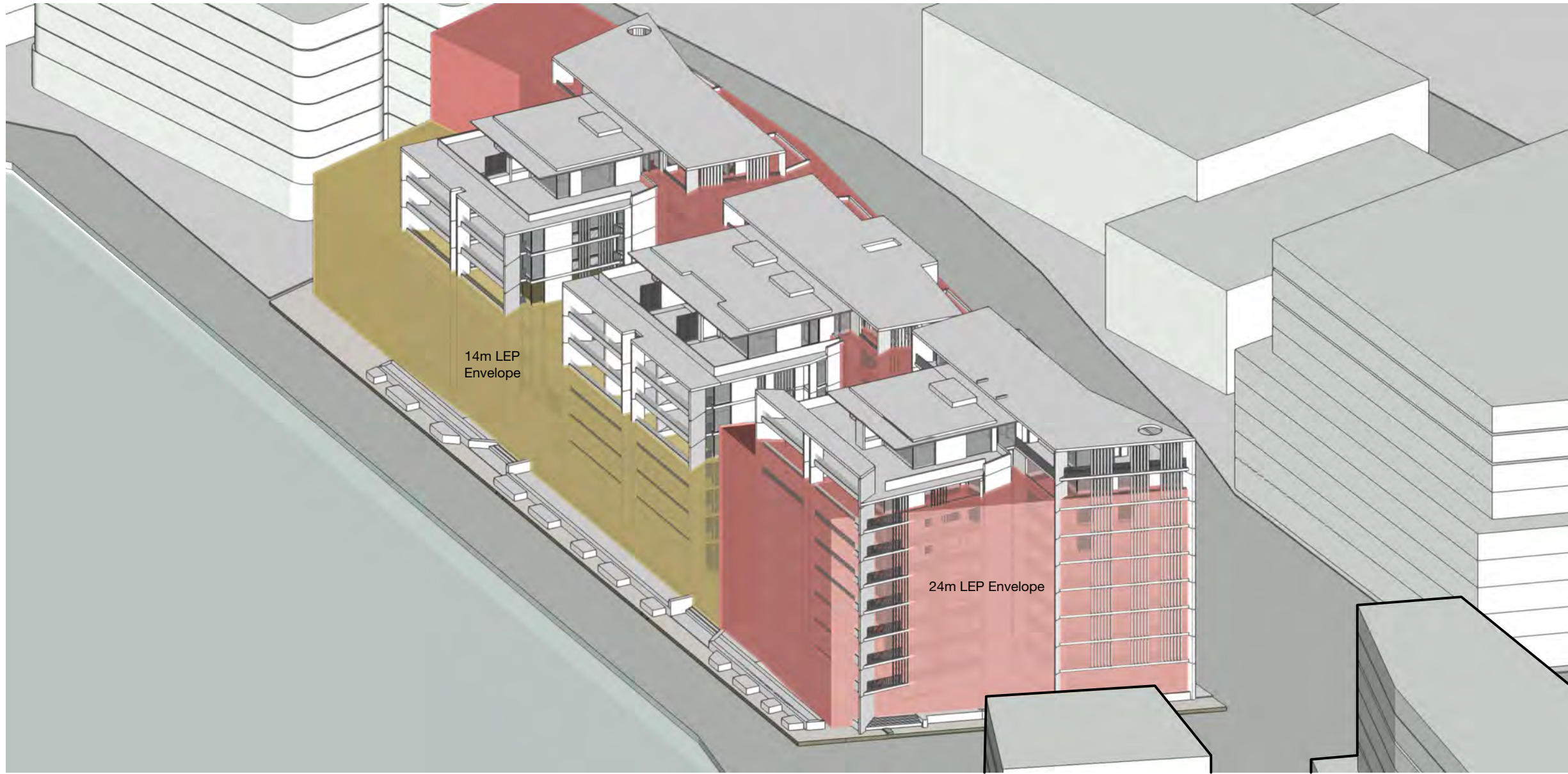
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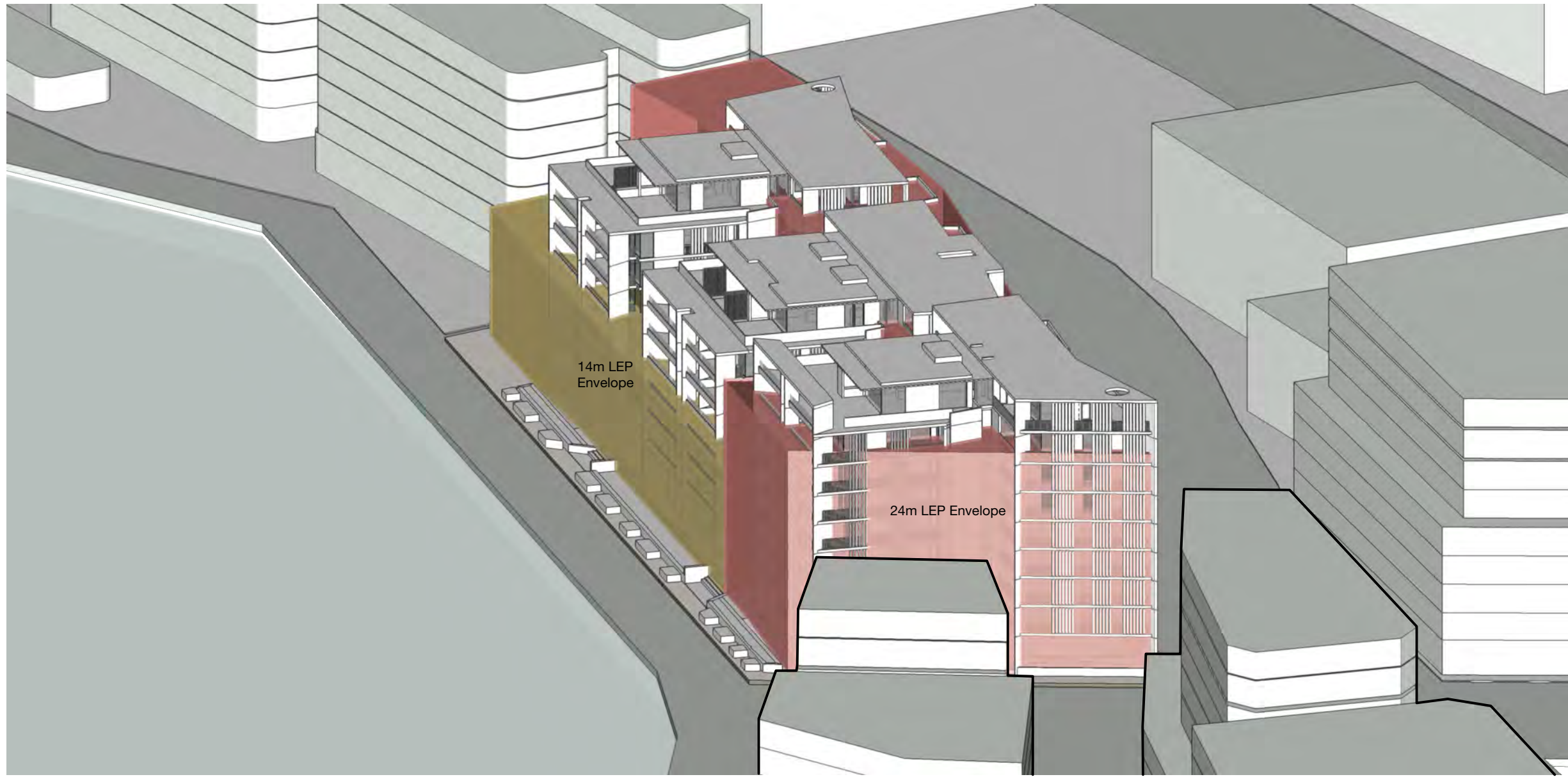
JUNE 21
2 PM



JUNE 21
3 PM



JUNE 21 - shadow casting extent
2 PM



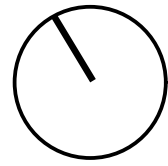
JUNE 21 - shadow casting extent
3 PM

Envelope of anticipated future development
shown to demonstrate ongoing solar access

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A		REVISED DEVELOPMENT APPLICATION	23/01/2020	

key plan



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project
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Lee 5 Honeysuckle
Newcastle, NSW
Australia

drawing title
ADG
LEP Solar Analysis

drawing scale	drawn	verified	date
Refer to Drawing	JB	SC	02.07.19
project #	drawing #	issue	
18122	DA-711	A	
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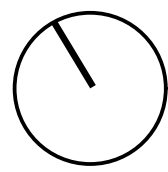
APPROACH FROM NORTH WEST

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issue	revision	description	date	verified
A		DRAFT DA	10/05/2019	
B		DEVELOPMENT APPLICATION	16/05/2019	
C		REVISED DA FOR REVIEW	19/05/2019	
D		REVISED DEVELOPMENT APPLICATION	28/05/2019	
E		REVISED DEVELOPMENT APPLICATION	23/01/2020	

key plan



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project
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Lee 5 Honey suckle
Newcastle, NSW
Australia

drawing title

Perspective Views
Views

drawing scale	drawn	verified	date
Refer to Drawing	JB	SC	02.07.19
project #	drawing #	issue	
18122	DA-800	E	
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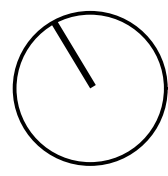
APPROACH FROM SOUTH EAST

Development Application

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issue	revision	description	date	verified
A		REVISED DEVELOPMENT APPLICATION	2/07/2019	
B		REVISED DEVELOPMENT APPLICATION	23/01/2020	

key plan



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project
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Lee 5 Honeysuckle
Newcastle, NSW
Australia

drawing title

Perspective Views
Views

drawing scale	drawn	verified	date
Refer to Drawing	JB	SC	02.07.19
project #	drawing #	issue	
18122	DA-801	B	
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