

A) 9:00AM JUNE 21



NOTES
SHADOW DIAGRAMS SHOWING THE NEIGHBOURING DEVELOPMENTS AND THE EFFECTS OF SHADOWING FROM AND ON THE NEIGHBOURING DEVELOPMENTS. IT WAS DETERMINED THAT MORE THAN 50% OF THE COS RECEIVED SUNLIGHT FOR MORE THAN 2 HOURS BETWEEN 9 AM-3PM ON JUNE 21ST. ANY IMPACTS THAT THE PROPOSED DEVELOPMENT HAS ON THE NEIGHBOURING PLOTS ARE UNAVOIDABLE DUE TO THE ORIENTATION OF THE LOTS AND WOULD NOT BE ANY DIFFERENT FOR A DIFFERENT DESIGN PROPOSAL (2 STOREY TOWNHOUSE,ETC)

REVISION R10
01 -BEP Profile/Massing updated for lots (3,4,5,6,7 & 8).
02,04 -Second floor buildings recessed.
03,04 -Skylight added.

B) 10:00AM JUNE 21



SHADOW IMPACT ON NEIGHBOURING POS
THERE IS NO ADVERSE SHADOWING EFFECT OF OR FROM THE PROPOSED DEVELOPMENT ON THE NEIGHBOURING DEVELOPMENTS.

AREA HIGHLIGHTING PARTS OF COS RECIEVING SOLAR ACCESS

C) 11:00AM JUNE 21



NOTES
SHADOW DIAGRAMS SHOWING THE NEIGHBOURING DEVELOPMENTS AND THE EFFECTS OF SHADOWING FROM AND ON THE NEIGHBOURING DEVELOPMENTS. IT WAS DETERMINED THAT MORE THAN 50% OF THE COS RECEIVED SUNLIGHT FOR MORE THAN 2 HOURS BETWEEN 9 AM-3PM ON JUNE 21ST. ANY IMPACTS THAT THE PROPOSED DEVELOPMENT HAS ON THE NEIGHBOURING PLOTS ARE UNAVOIDABLE DUE TO THE ORIENTATION OF THE LOTS AND WOULD NOT BE ANY DIFFERENT FOR A DIFFERENT DESIGN PROPOSAL (2 STOREY TOWNHOUSE,ETC)

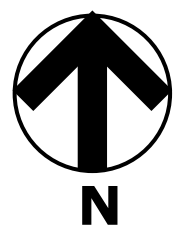
REVISION R10
01 -BEP Profile/Massing updated for lots (3,4,5,6,7 & 8).
02,04 -Second floor buildings recessed.
03,04 -Skylight added.

D) 12:00 NOON JUNE 21



SHADOW IMPACT ON NEIGHBOURING POS
THERE IS NO ADVERSE SHADOWING EFFECT OF OR FROM THE PROPOSED DEVELOPMENT ON THE NEIGHBOURING DEVELOPMENTS.

AREA HIGHLIGHTING PARTS OF COS RECIEVING SOLAR ACCESS



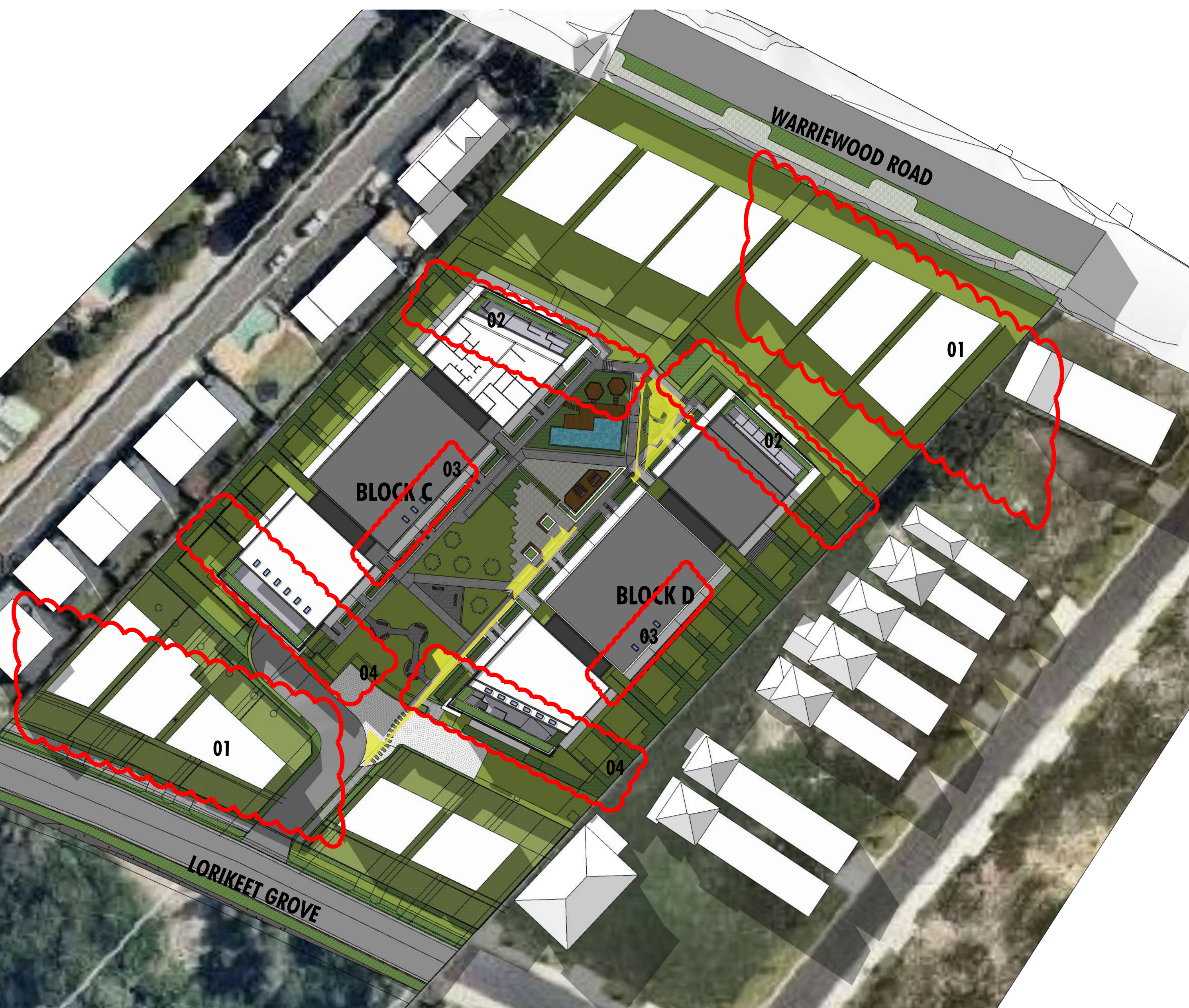
E) 1:00PM JUNE 21



NOTES
SHADOW DIAGRAMS SHOWING THE NEIGHBOURING DEVELOPMENTS AND THE EFFECTS OF SHADOWING FROM AND ON THE NEIGHBOURING DEVELOPMENTS. IT WAS DETERMINED THAT MORE THAN 50% OF THE COS RECEIVED SUNLIGHT FOR MORE THAN 2 HOURS BETWEEN 9 AM-3PM ON JUNE 21ST. ANY IMPACTS THAT THE PROPOSED DEVELOPMENT HAS ON THE NEIGHBOURING PLOTS ARE UNAVOIDABLE DUE TO THE ORIENTATION OF THE LOTS AND WOULD NOT BE ANY DIFFERENT FOR A DIFFERENT DESIGN PROPOSAL (2 STOREY TOWNHOUSE,ETC)

REVISION R10
01 -BEP Profile/Massing updated for lots (3,4,5,6,7 & 8).
02,04 -Second floor buildings recessed.
03,04 -Skylight added.

F) 2:00PM JUNE 21



SHADOW IMPACT ON NEIGHBOURING POS
THE NEIGHBOURING DEVELOPMENTS IN THE NORTH-WEST BOUNDARY OF THE SITE SHADOW THE BACKYARD POS OF BLOCK C.BLOCK D OVERSHADOWS THE NEIGHBOURING DEVELOPMENTS ACROSS THE NORTH EASTERN BOUNDARY.THOUGH THERE IS AN EFFECT OF OVERSHADOWING, THE POS OF BOTH THE PROPOSED DEVELOPMENT AND THE EXISTING DEVELOPMENTS RECEIVE SUNLIGHT FOR ATLEAST TWO HOURS BETWEEN 09:00 AM - 3:00 PM ON JUNE 21ST.

AREA HIGHLIGHTING PARTS OF COS RECIEVING SOLAR ACCESS



G) 3:00PM JUNE 21



NOTES
SHADOW DIAGRAMS SHOWING THE NEIGHBOURING DEVELOPMENTS AND THE EFFECTS OF SHADOWING FROM AND ON THE NEIGHBOURING DEVELOPMENTS. IT WAS DETERMINED THAT MORE THAN 50% OF THE COS RECEIVED SUNLIGHT FOR MORE THAN 2 HOURS BETWEEN 9 AM-3PM ON JUNE 21ST. ANY IMPACTS THAT THE PROPOSED DEVELOPMENT HAS ON THE NEIGHBOURING PLOTS ARE UNAVOIDABLE DUE TO THE ORIENTATION OF THE LOTS AND WOULD NOT BE ANY DIFFERENT FOR A DIFFERENT DESIGN PROPOSAL (2 STOREY TOWNHOUSE,ETC)

REVISION R10
01 -BEP Profile/Massing updated for lots (3,4,5,6,7 & 8).
02,04 -Second floor buildings recessed.
03,04 -Skylight added.

H) FOR REFERENCE 3:00PM JUNE 21
- IF THERE WERE DWELLINGS WITH 3M REAR SETBACKS INSTEAD OF THE PROPOSED DEVELOPMENT

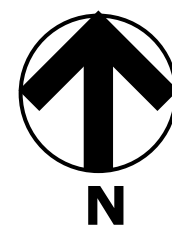


SUMMARY

REQUIREMENT : ATLEAST 50% OF THE PCOS SHOULD RECIEVE SOLAR ACCESSFOR A MINIMUM OF 2 HOURS BETWEEN 9AM AND 3PM

ACHIEVED : AS SHOWN IN FIGURES A,B,C,D, E; MORE THAN 50% OF THE PCOS RECIEVES SOLAR ACCESS FOR A MINIMUM OF 2 HOURS BETWEEN 9AM AND 3PM

INFERENCE: Though there is an effect of overshadowing, the POS' of the existing neighbouring developments receive sunlight for atleast three hours between 09:00am - 3:00pm on June 21st. This can be seen in Figures A, B, C and D(9 to 12 pm) Though the Proposed development overshadows the neighbouring development, this is unavoidable as any proposal at the site shall overshadow as much, if not more than the amount of shadow being projected currently (as seen in fig H - any two/3 storey development shall have the same result). This is due to the orientation of the site and the neighboring lots with respect to the low position of the sun in winters. The extensive setback of 11000mm set on the Northeastern boundary (Block D) allows solar access for both developments.



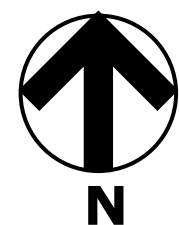
H) 9:00AM JUNE 21



I) 10:00AM JUNE 21



AREA HIGHLIGHTING PARTS OF NEIGHBOURING LOTS RECEIVING SHADOW IMPACT



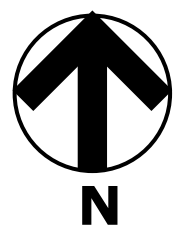
J) 11:00AM JUNE 21



K) 12:00PM JUNE 21



AREA HIGHLIGHTING PARTS OF NEIGHBOURING LOTS RECEIVING SHADOW IMPACT



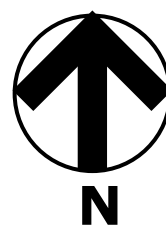
L) 1:00PM JUNE 21



M) 2:00PM JUNE 21



SHADOW ANALYSIS : SHADOW IMPACT ON NEIGHBOURING LOTS ALONG BUBALO ST. **1:00 - 2:00 PM**
PROJECT LOCATION : 43-45&49, WARRIWOOD ROAD, WARRIWOOD

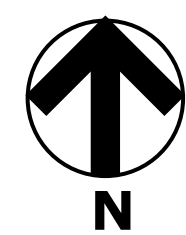


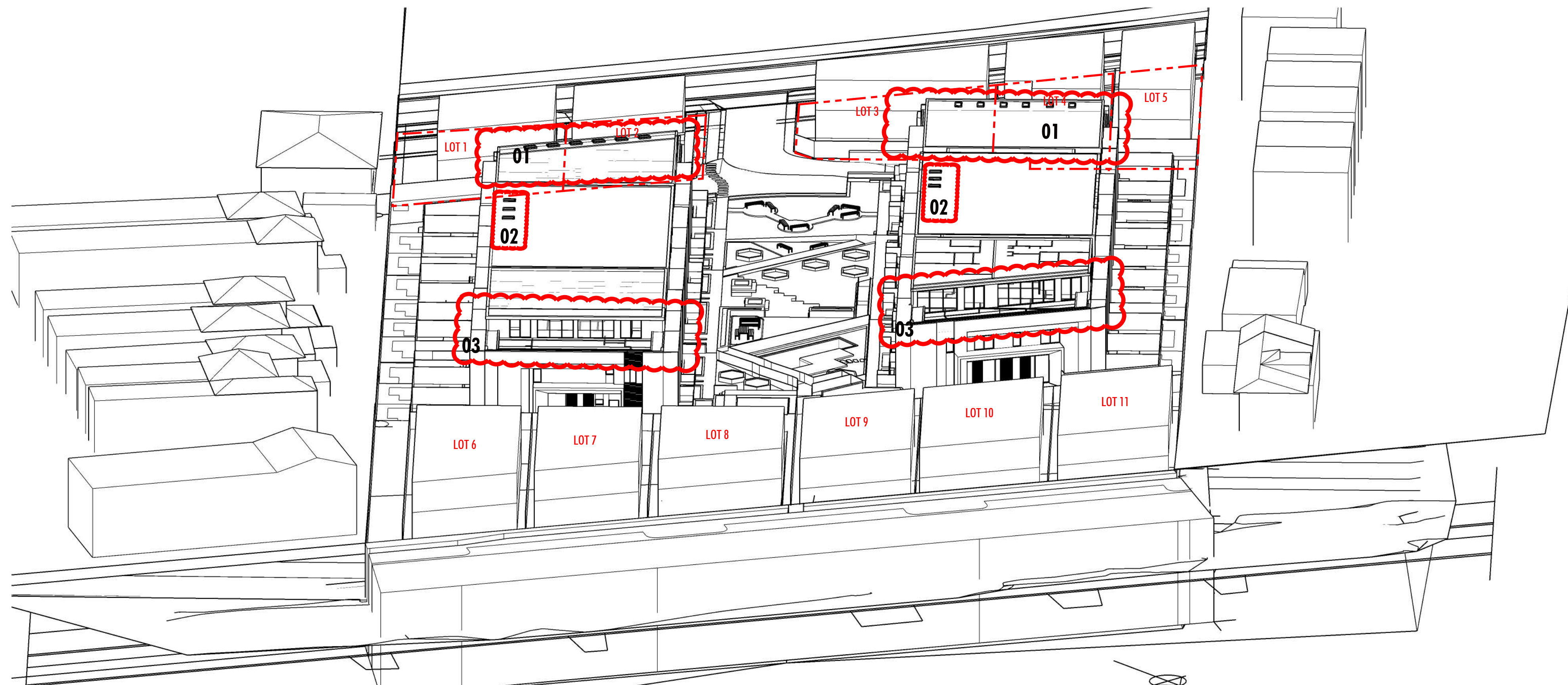
AREA HIGHLIGHTING PARTS OF NEIGHNOURING LOTS RECEIVING SHADOW IMPACT

N) 3:00PM JUNE 21

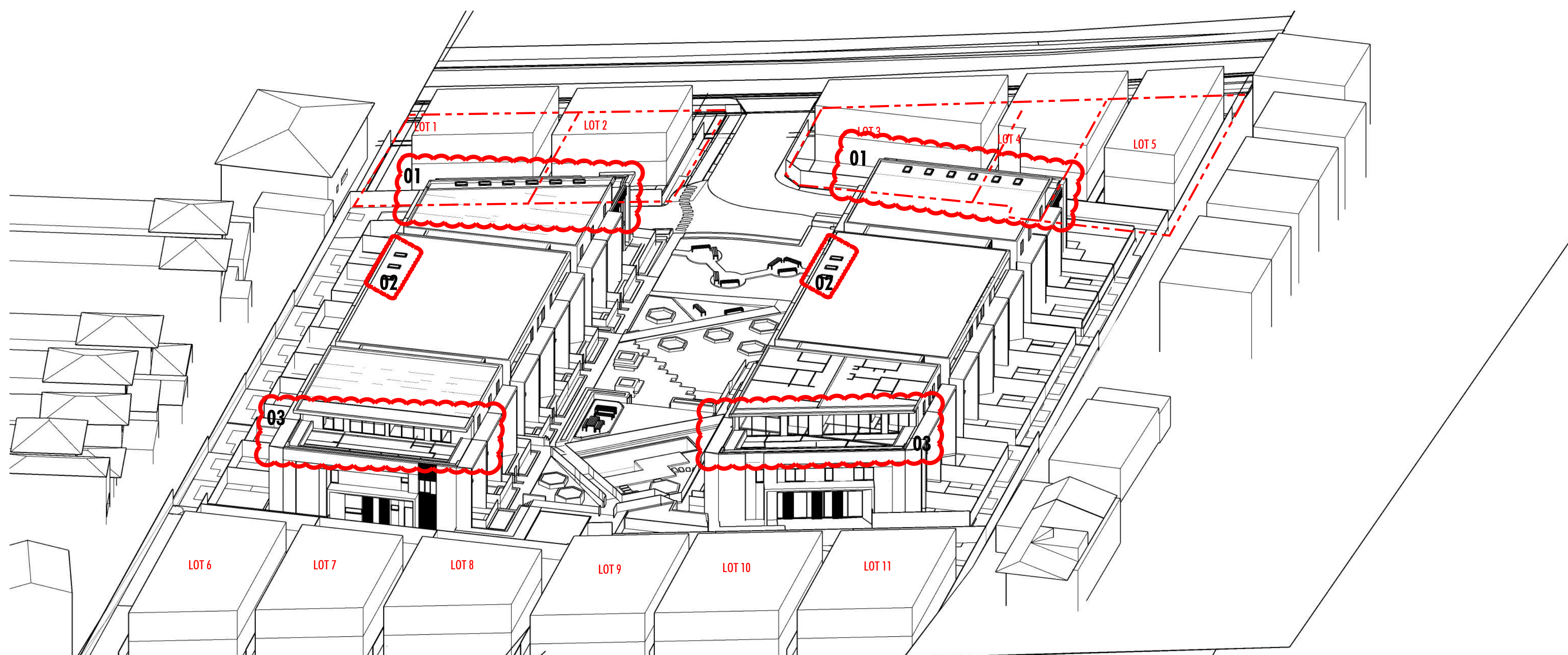


INFERENCE: Though there is an effect of overshadowing, the POS' of the existing neighbouring developments along Bubalo St. receive sunlight for atleast three hours between 09:00am - 3:00pm on June 21st. This can be seen in Sheet No: A13.A, A13.B, A13.C (9 - 1PM). The overshadowing effect on the Neighbouring Lots along Bubalo St. is due to the orientation of the site and the neighboring lots with respect to the low position of the sun in winters.





9am, 21st June



10am, 21st June

REVISION R10

01,03 -Second floor buildings recessed.
01,02 -Skylight added.

----- SUB-DIVIDED LOT BOUNDARY (LOT 1,
LOT 2, LOT 3, LOT 4, LOT 5)

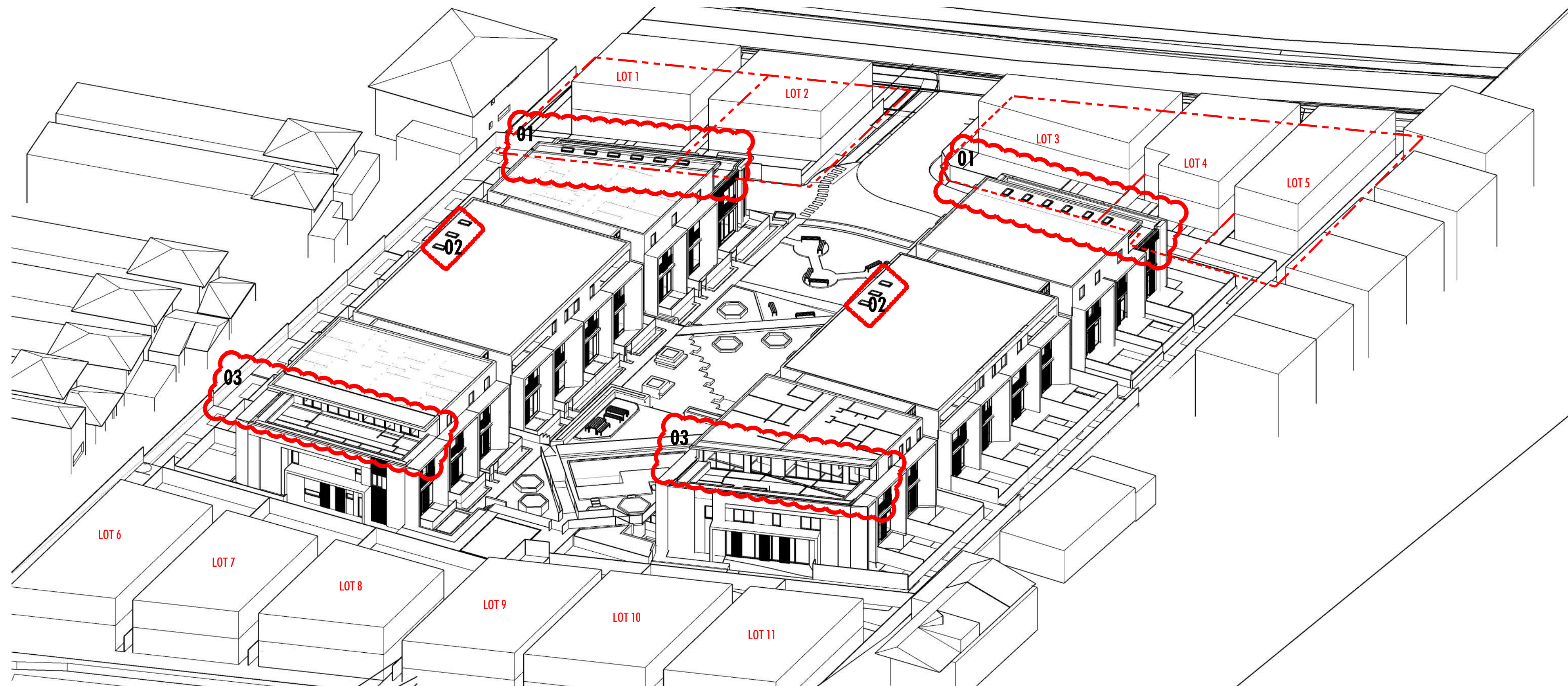
SOLAR ACCESS ANALYSIS FOR PEAK WINTER AT 9AM & 10AM

PROJECT LOCATION : 45-49, WARRIEWOOD ROAD, WARRIEWOOD NSW

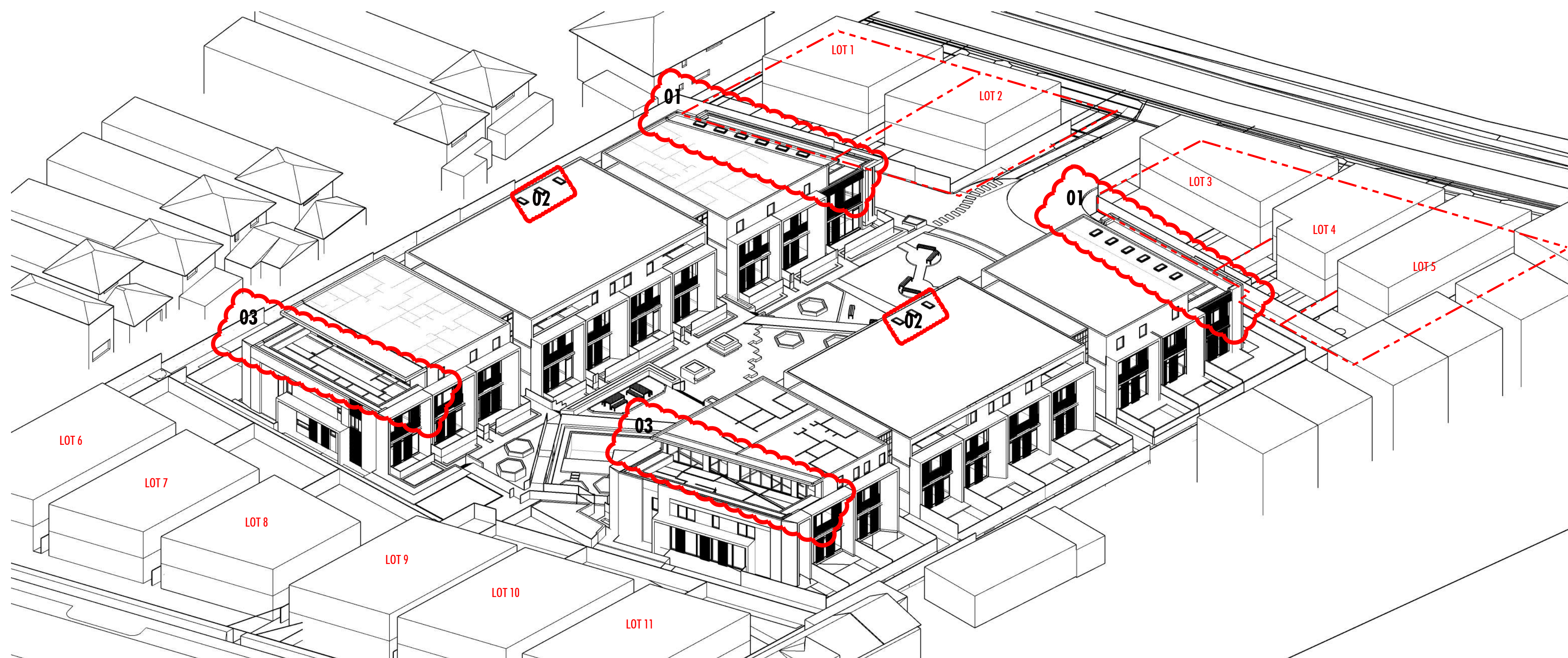
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DRWG. NO.
A13.5

11/12/2023
1:300
R-10



11am, 21st June



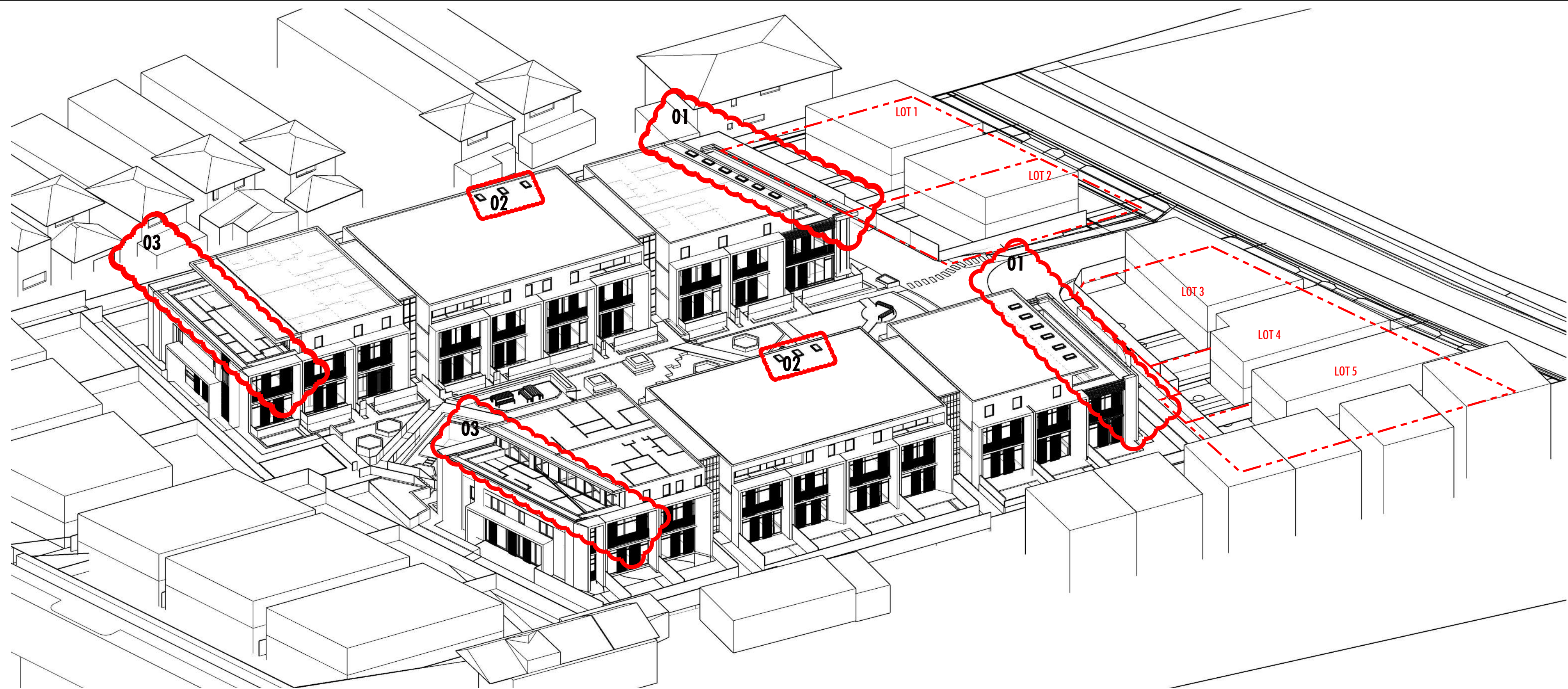
12pm, 21st June

REVISION R10
 01,03 -Second floor buildings recessed.
 01,02 -Skylight added.

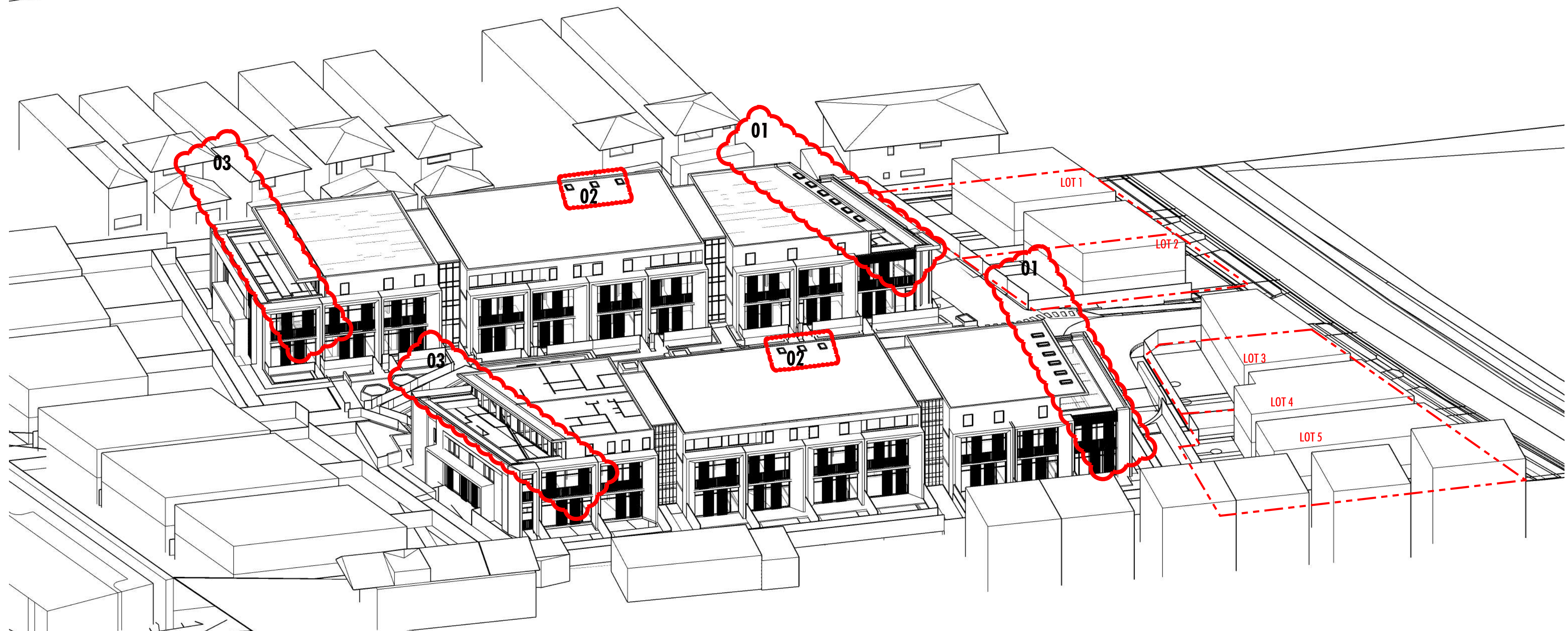
----- SUB-DIVIDED LOT BOUNDARY (LOT 1,
 LOT 2, LOT 3, LOT 4, LOT 5)

SOLAR ACCESS ANALYSIS FOR PEAK WINTER AT 11AM & 12PM

PROJECT LOCATION : 45-49, WARRIWOOD ROAD, WARRIWOOD NSW



1pm, 21st June



2pm, 21st June

REVISION R10

01,03 -Second floor buildings recessed.

01,02 -Skylight added.

----- SUB-DIVIDED LOT BOUNDARY (LOT 1,
LOT 2, LOT 3, LOT 4, LOT 5)

SOLAR ACCESS ANALYSIS FOR PEAK WINTER AT 1PM & 2PM

PROJECT LOCATION : 45-49, WARRIEWOOD ROAD, WARRIEWOOD NSW

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DRWG. NO.
A13.7

11/12/2023
1:300
R-10



3pm, 21st June

SUMMARY

A) TOTAL NUMBER OF UNITS RECIEVING SOLAR ACCESS VIA
BALCONIES AND POS = 28

B) TOTAL NUMBER OF UNITS = 34

% OF UNITS RECIEVING SOLAR ACCESS FOR ATLEAST 2 CONTINUOUS HOURS BETWEEN 9AM TO 3PM = $(B/A) \times 100$
 $(28/34) \times 100 = 82.35\%$

REQUIREMENT : ATLEAST 70% OF THE TOTAL UNITS RECIEVE SOLAR ACCESS VIA POS AND BALCONIES FOR ATLEAST 2
CONTINUOUS HOURS BETWEEN 9AM TO 3PM .

ACHIEVED - 82.35% UNITS WITH SOLAR ACCESS. THEREFORE COMPLIANT . SKYLIGHTS HAVE NOT BEEN CONSIDERED FOR
ACCOUNTING SOLAR ACCESS COMPLIANCE .

NOTES

SOLAR ACCESS FOR UNITS WAS ANALYSED BY INTRODUCING THE NEIGHBOURING DEVELOPMENTS INTO THE
CONTEXT.IT WAS DETERMINED THAT 82% OF UNITS RECEIVE SUNLIGHT FOR ATLEAST 2 HOURS BETWEEN
9AM.-3PM. ON 21ST JUNE.IF SKYLIGHTS WERE TAKEN INTO CONSIDERATION, THE PERCENTAGE OF HOMES
RECEIVING SOLAR ACCESS WOULD BE HIGHER.

REVISION R10

01,03 -Second floor buildings recessed.
01,02 -Skylight added.

----- SUB-DIVIDED LOT BOUNDARY (LOT 1,
LOT 2, LOT 3, LOT 4, LOT 5)

SOLAR ACCESS ANALYSIS FOR PEAK WINTER AT 3PM

PROJECT LOCATION : 45-49, WARRIEWOOD ROAD, WARRIEWOOD NSW



NOTES
SOLAR ACCESS FOR UNITS WAS ANALYSED BY INTRODUCING THE
NEIGHBOURING DEVELOPMENTS INTO THE CONTEXT. IT WAS DETERMINED
THAT 82% OF UNITS RECEIVE SUNLIGHT FOR ATLEAST 2 HOURS BETWEEN
9AM.-3PM. ON 21ST JUNE. IF SKYLIGHTS WERE TAKEN INTO CONSIDERATION,
THE PERCENTAGE OF HOMES RECEIVING SOLAR ACCESS WOULD BE HIGHER.

09:00 -10:00 PM
BLOCK C and BLOCK D receive solar access in the Backyard POS

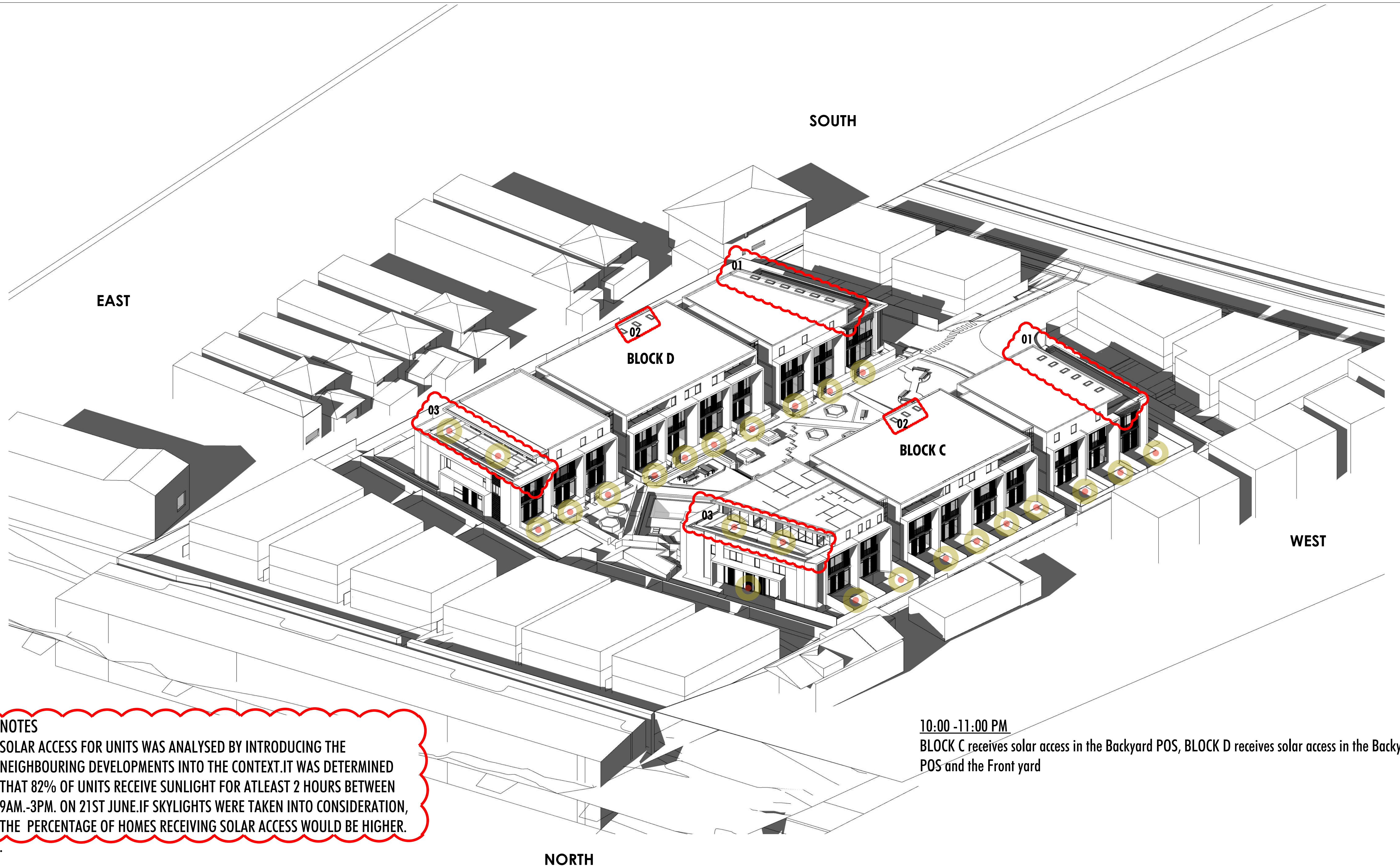
 -North and West Facing Units receiving atleast 2 hours of light through balconies = 28 Units

REVISION R10
01,03 -Second floor buildings recessed.
01,02 -Skylight added.

NORTH AND WEST SIDE SOLAR ACCESS 09:00 AM
PROJECT LOCATION : 45-49, WARRIEWOOD ROAD, WARRIEWOOD NSW

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DRWG. NO. 11/12/2023
A13.9 1:250
R-10



NOTES
SOLAR ACCESS FOR UNITS WAS ANALYSED BY INTRODUCING THE NEIGHBOURING DEVELOPMENTS INTO THE CONTEXT. IT WAS DETERMINED THAT 82% OF UNITS RECEIVE SUNLIGHT FOR ATLEAST 2 HOURS BETWEEN 9AM.-3PM. ON 21ST JUNE. IF SKYLIGHTS WERE TAKEN INTO CONSIDERATION, THE PERCENTAGE OF HOMES RECEIVING SOLAR ACCESS WOULD BE HIGHER.

10:00 -11:00 PM
BLOCK C receives solar access in the Backyard POS, BLOCK D receives solar access in the Backyard POS and the Front yard

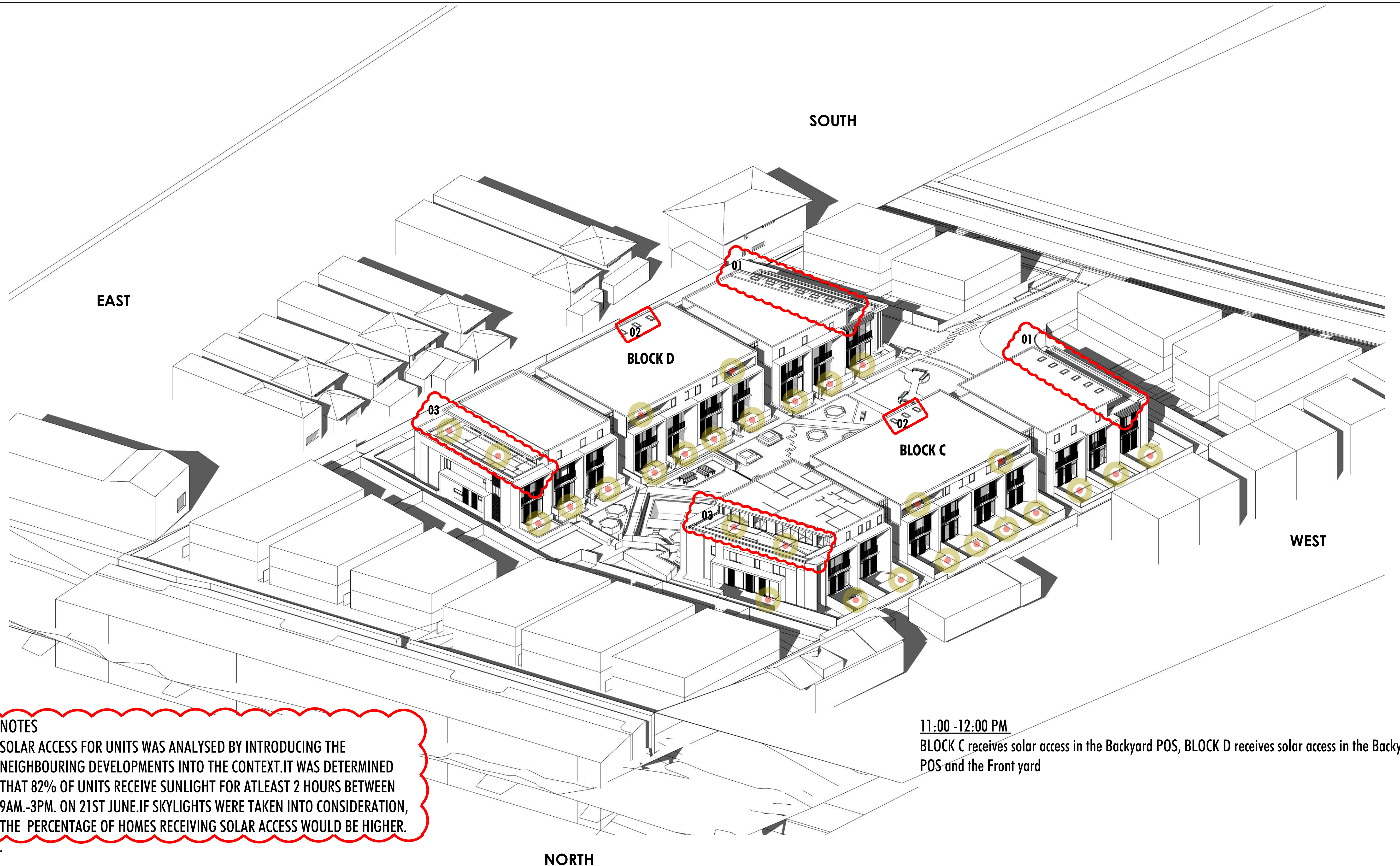
 -North and West Facing Units receiving atleast 2 hours of light through balconies = 28 Units

REVISION R10
01,03 -Second floor buildings recessed.
01,02 -Skylight added.

NORTH AND WEST SIDE SOLAR ACCESS 10:00 AM
PROJECT LOCATION : 45-49, WARRIEWOOD ROAD, WARRIEWOOD NSW

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A13.10 1:250
R-10



NOTES

SOLAR ACCESS FOR UNITS WAS ANALYSED BY INTRODUCING THE NEIGHBOURING DEVELOPMENTS INTO THE CONTEXT. IT WAS DETERMINED THAT 82% OF UNITS RECEIVE SUNLIGHT FOR ATLEAST 2 HOURS BETWEEN 9AM.-3PM. ON 21ST JUNE. IF SKYLIGHTS WERE TAKEN INTO CONSIDERATION, THE PERCENTAGE OF HOMES RECEIVING SOLAR ACCESS WOULD BE HIGHER.

11:00 -12:00 PM

BLOCK C receives solar access in the Backyard POS, BLOCK D receives solar access in the Backyard POS and the Front yard



-North and West Facing Units receiving atleast 2 hours of light through balconies = 28 Units

REVISION R10

01,03 -Second floor buildings recessed.

01,02 -Skylight added.

NORTH AND WEST SIDE SOLAR ACCESS 11:00 AM

PROJECT LOCATION : 45-49, WARRIWOOD ROAD, WARRIWOOD NSW

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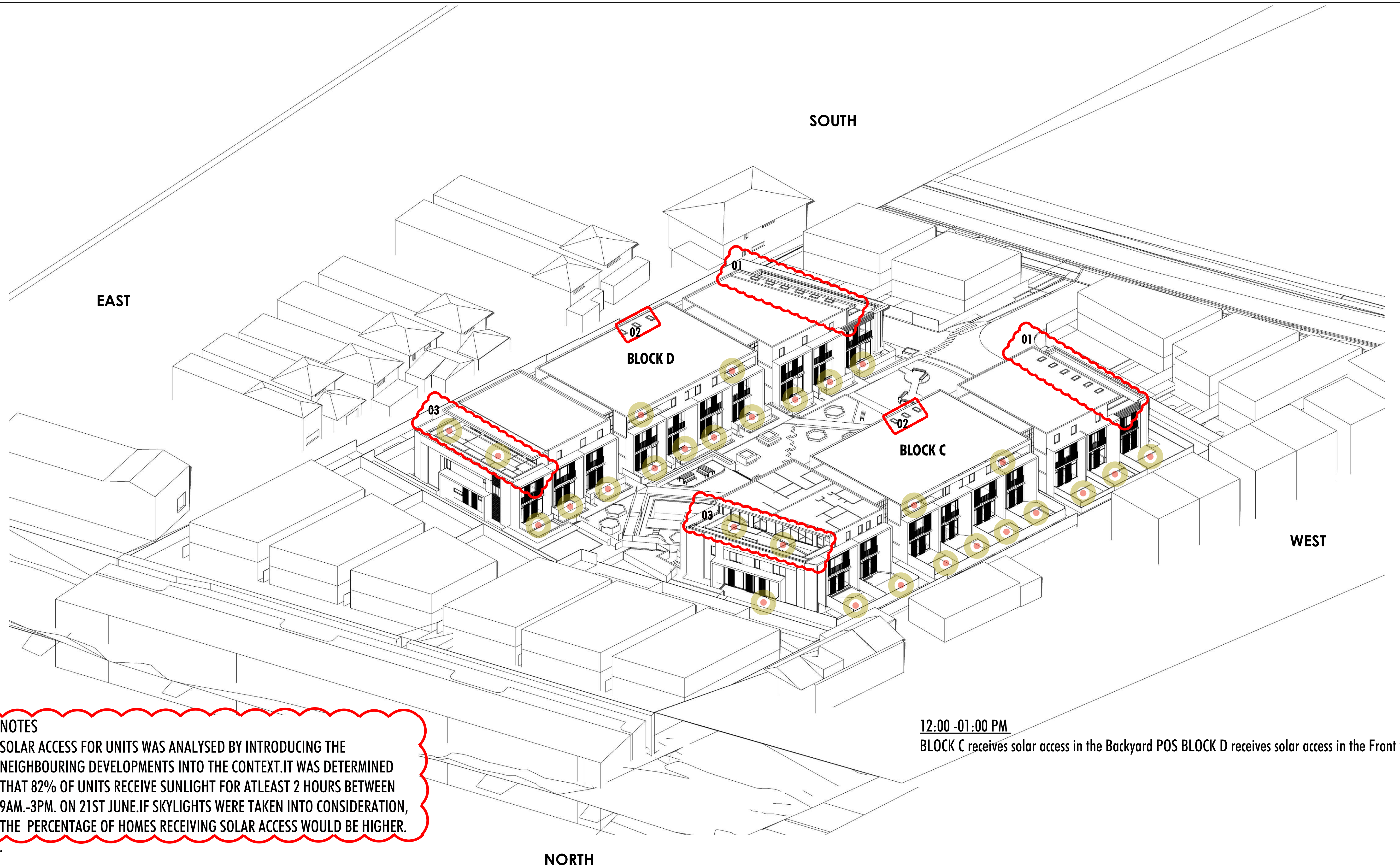
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A13.11

11/12/2023
1:250
R-10



NOTES
SOLAR ACCESS FOR UNITS WAS ANALYSED BY INTRODUCING THE NEIGHBOURING DEVELOPMENTS INTO THE CONTEXT. IT WAS DETERMINED THAT 82% OF UNITS RECEIVE SUNLIGHT FOR ATLEAST 2 HOURS BETWEEN 9AM.-3PM. ON 21ST JUNE. IF SKYLIGHTS WERE TAKEN INTO CONSIDERATION, THE PERCENTAGE OF HOMES RECEIVING SOLAR ACCESS WOULD BE HIGHER.

12:00 -01:00 PM
BLOCK C receives solar access in the Backyard POS BLOCK D receives solar access in the Front yard

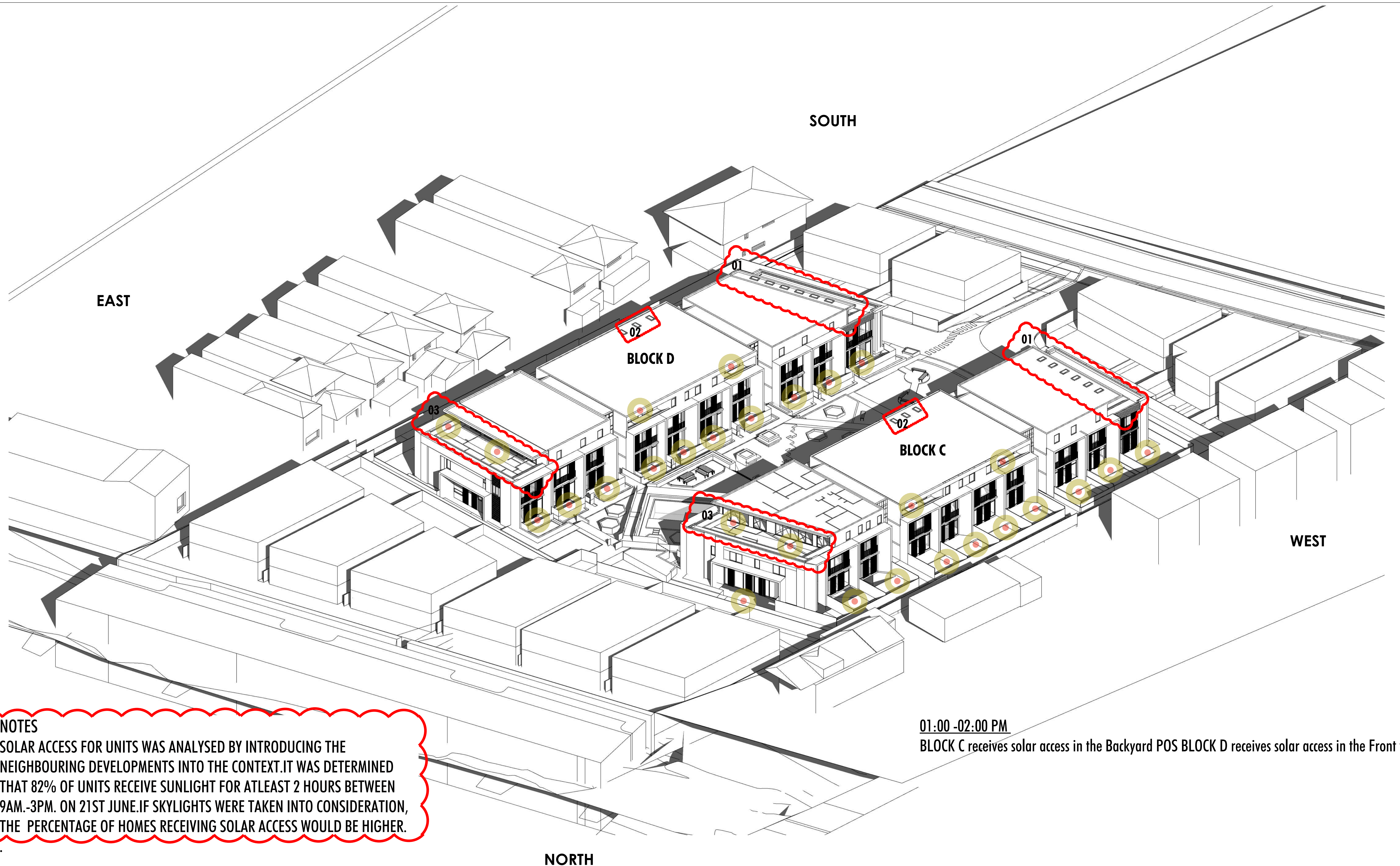
 -North and West Facing Units receiving atleast 2 hours of light through balconies = 28 Units

REVISION R10
01,03 -Second floor buildings recessed.
01,02 -Skylight added.

NORTH AND WEST SIDE SOLAR ACCESS 12:00 PM
PROJECT LOCATION : 45-49, WARRIEWOOD ROAD, WARRIEWOOD NSW

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A13.12 1:250
R-10



NOTES
SOLAR ACCESS FOR UNITS WAS ANALYSED BY INTRODUCING THE
NEIGHBOURING DEVELOPMENTS INTO THE CONTEXT.IT WAS DETERMINED
THAT 82% OF UNITS RECEIVE SUNLIGHT FOR ATLEAST 2 HOURS BETWEEN
9AM.-3PM. ON 21ST JUNE.IF SKYLIGHTS WERE TAKEN INTO CONSIDERATION,
THE PERCENTAGE OF HOMES RECEIVING SOLAR ACCESS WOULD BE HIGHER.

01:00 -02:00 PM
BLOCK C receives solar access in the Backyard POS BLOCK D receives solar access in the Front yard

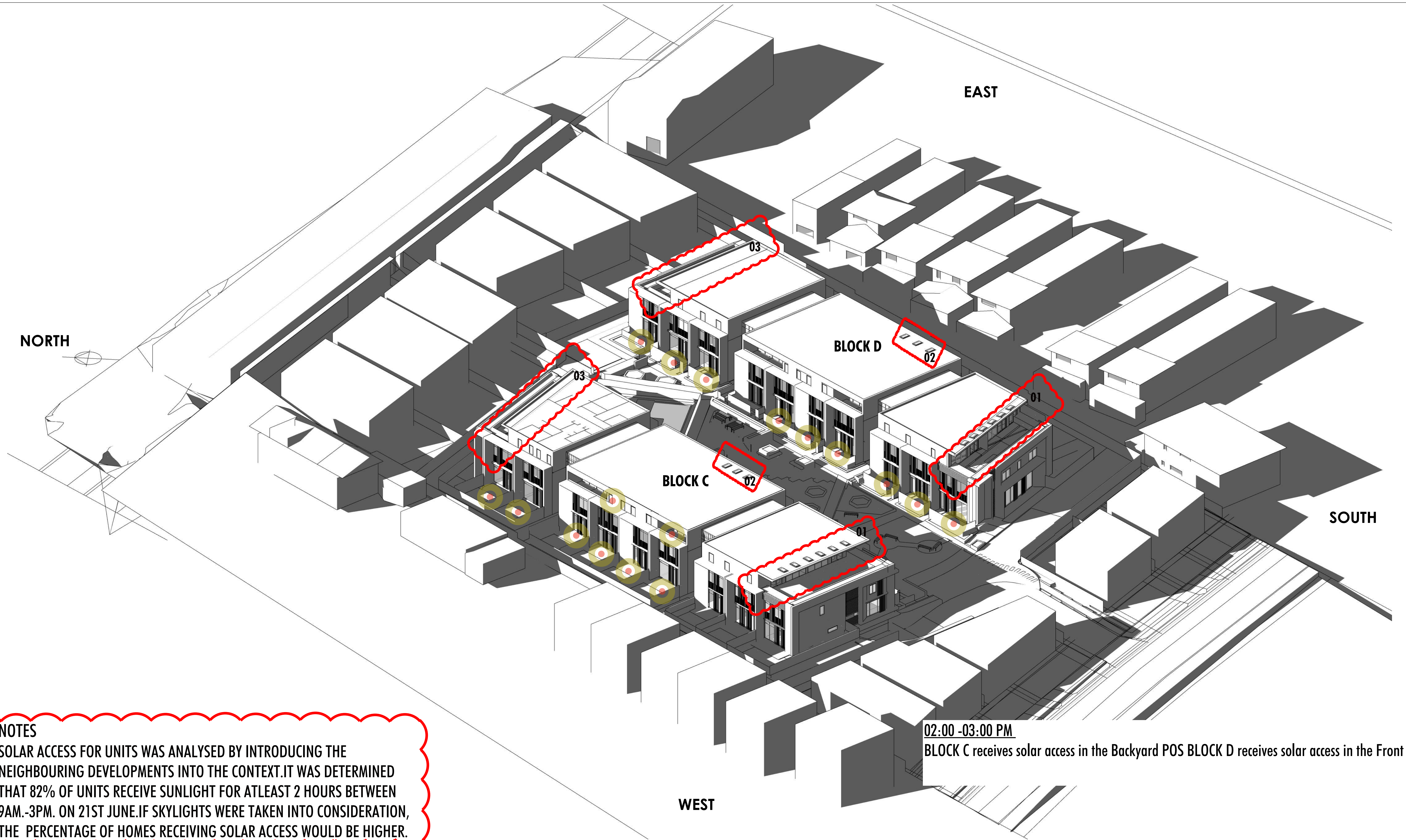
 -North and West Facing Units receiving atleast 2 hours of light through balconies = 28 Units

REVISION R10
01,03 -Second floor buildings recessed.
01,02 -Skylight added.

NORTH AND WEST SIDE SOLAR ACCESS 1:00 PM
PROJECT LOCATION : 45-49, WARRIEWOOD ROAD, WARRIEWOOD NSW

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A13.13 1:250
R-10



NOTES

SOLAR ACCESS FOR UNITS WAS ANALYSED BY INTRODUCING THE NEIGHBOURING DEVELOPMENTS INTO THE CONTEXT. IT WAS DETERMINED THAT 82% OF UNITS RECEIVE SUNLIGHT FOR ATLEAST 2 HOURS BETWEEN 9AM.-3PM. ON 21ST JUNE. IF SKYLIGHTS WERE TAKEN INTO CONSIDERATION, THE PERCENTAGE OF HOMES RECEIVING SOLAR ACCESS WOULD BE HIGHER.



-North and West Facing Units receiving atleast 2 hours of light through balconies = 28 Units

NORTH AND WEST SIDE SOLAR ACCESS 2:00 PM

PROJECT LOCATION : 45-49, WARRIWOOD ROAD, WARRIWOOD NSW

REVISION R10

01,03 -Second floor buildings recessed.
01,02 -Skylight added.

02:00 -03:00 PM

BLOCK C receives solar access in the Backyard POS BLOCK D receives solar access in the Front yard

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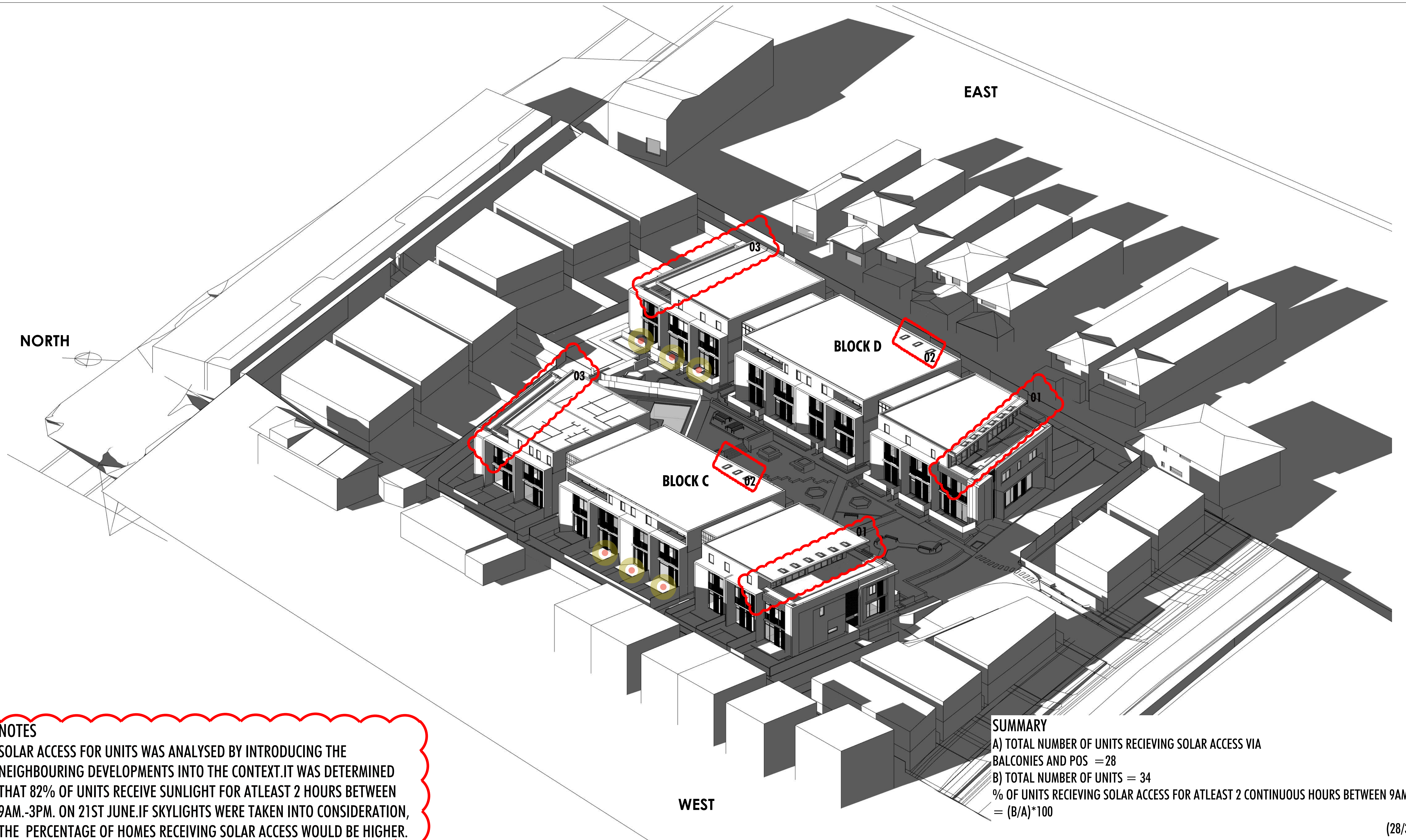
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DRWG. NO.
A13.14

11/12/2023
1:250
R-10



NOTES

SOLAR ACCESS FOR UNITS WAS ANALYSED BY INTRODUCING THE NEIGHBOURING DEVELOPMENTS INTO THE CONTEXT. IT WAS DETERMINED THAT 82% OF UNITS RECEIVE SUNLIGHT FOR ATLEAST 2 HOURS BETWEEN 9AM.-3PM. ON 21ST JUNE. IF SKYLIGHTS WERE TAKEN INTO CONSIDERATION, THE PERCENTAGE OF HOMES RECEIVING SOLAR ACCESS WOULD BE HIGHER.

SUMMARY

A) TOTAL NUMBER OF UNITS RECEIVING SOLAR ACCESS VIA BALCONIES AND POS = 28
B) TOTAL NUMBER OF UNITS = 34
% OF UNITS RECEIVING SOLAR ACCESS FOR ATLEAST 2 CONTINUOUS HOURS BETWEEN 9AM TO 3PM
= $(B/A) \times 100$
= 82.35%
REQUIREMENT : ATLEAST 70% OF THE TOTAL UNITS RECEIVE SOLAR ACCESS VIA POS AND BALCONIES FOR ATLEAST 2 CONTINUOUS HOURS BETWEEN 9AM TO 3PM .
ACHIEVED - 82.35% UNITS WITH SOLAR ACCESS. THEREFORE COMPLIANT . SKYLIGHTS HAVE NOT BEEN CONSIDERED FOR ACCOUNTING SOLAR ACCESS COMPLIANCE .



-North and West Facing Units receiving atleast 2 hours of light through balconies = 28 Units

REVISION R10

01,03 -Second floor buildings recessed.
01,02 -Skylight added.

NORTH AND WEST SIDE SOLAR ACCESS 3:00 PM

PROJECT LOCATION : 45-49, WARRIEWOOD ROAD, WARRIEWOOD NSW

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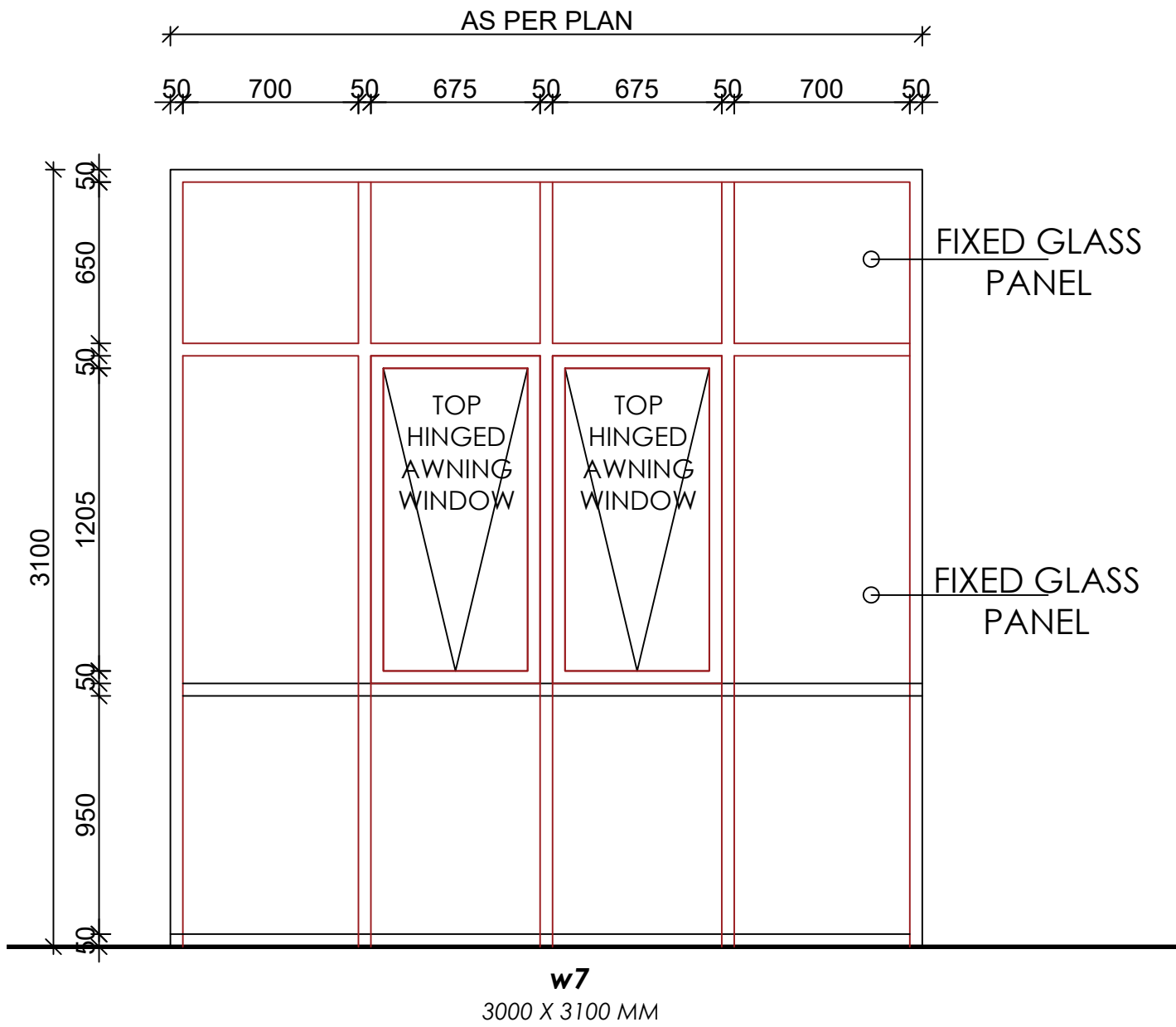
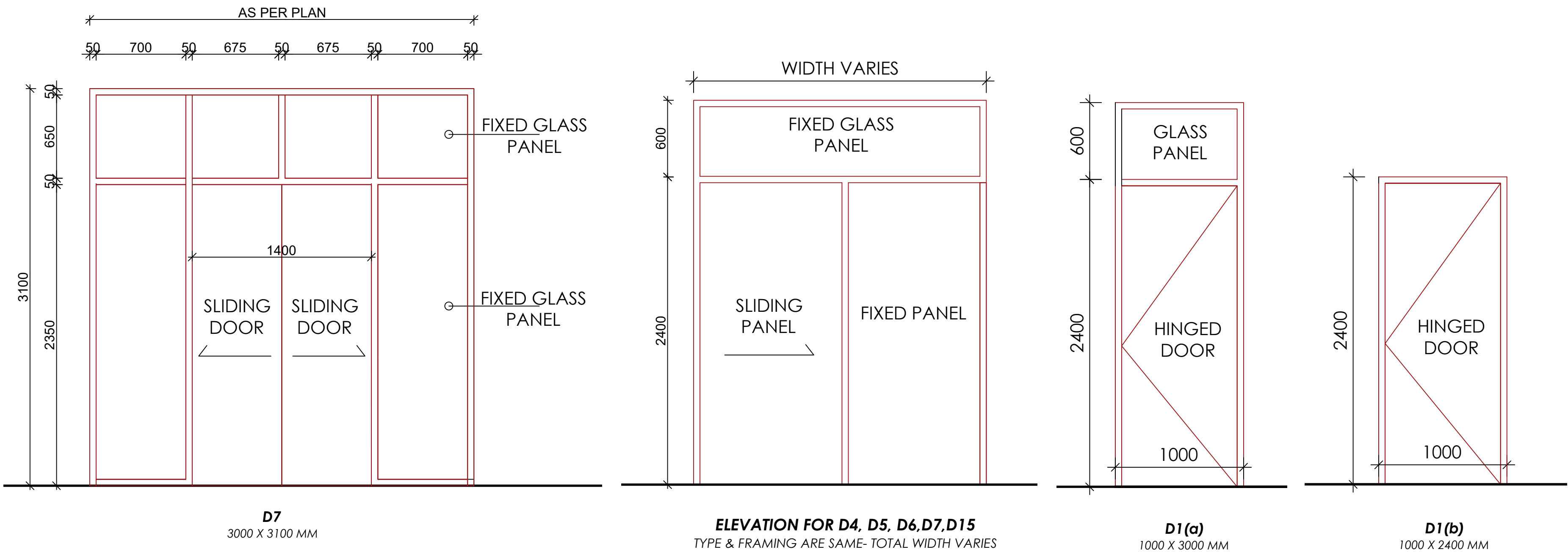
DRWG. NO.
A13.15

11/12/2023
1:250
R-10

GROUND FLOOR					
	TYPE	CODE	HEIGHT OF OPENING	WIDTH OF OPENING	SILL HEIGHT
DOOR	HINGED DOOR WITH FIXED GLASS PANEL TOP	D1(a)	2400	1000	NA
	HINGED DOOR	D2	2400	920	NA
	HINGED DOOR	D3	2400	800	NA
	SLIDING DOOR WITH FIXED GLASS PANEL TOP	D4	3000	2700	NA
	SLIDING DOOR WITH FIXED GLASS PANEL TOP	D5	3000	3600	NA
	SLIDING DOOR WITH FIXED GLASS PANEL TOP	D6	3000	2600	NA
	SLIDING GLASS DOOR WITH FIXED PANEL SIDE & TOP	D7	3100	3000	NA
	SLIDING GLASS DOOR WITH FIXED PANEL TOP	D15	3000	2300	NA
WINDOW	FIXED WINDOW	W1	3000	1000	0
	SLIDING WINDOW	W3	600	1750	950
	SLIDING WINDOW	W4	600	800	1800
	FIXED WINDOW	W5	3000	600	0
	SLIDING WINDOW	W6	600	1160	1800
	FIXED WINDOW	W17	1500	2100	1500

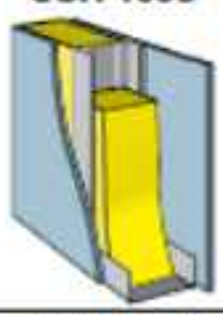
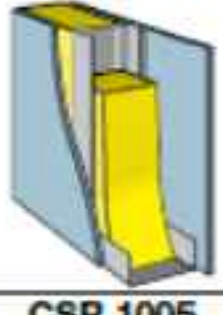
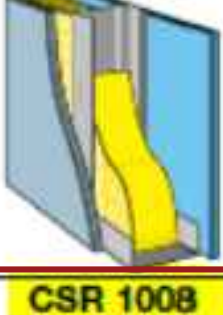
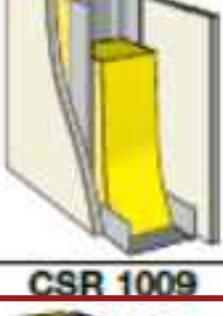
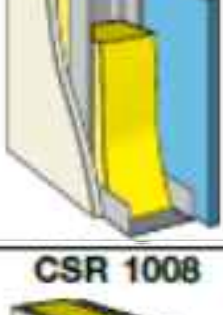
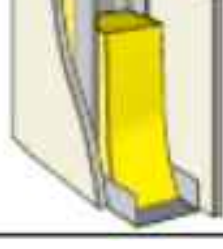
FIRST FLOOR					
	TYPE	CODE	HEIGHT OF OPENING	WIDTH OF OPENING	SILL HEIGHT
DOOR	HINGED DOOR WITH FIXED GLASS PANEL TOP	D1(a)	2400	1000	NA
	HINGED DOOR	D2	2400	920	NA
	HINGED DOOR	D3	2400	800	NA
	SLIDING DOOR	D8	2400	800	NA
WINDOW	PARTLY FIXED & AWNING WINDOW	W7	3100	3000	0
	SLIDING WINDOW WITH FIXED GLASS PANEL TOP	W8	2400	2000	0
	SLIDING WINDOW WITH FIXED GLASS PANEL TOP	W9	2400	2750	0
	SLIDING WINDOW WITH FIXED GLASS PANEL TOP	W10	2400	2850	0
	SLIDING WINDOW WITH FIXED GLASS PANEL TOP	W11	2400	1950	0
	SLIDING WINDOW WITH FIXED GLASS PANEL TOP	W12	2400	1850	0
	SLIDING WINDOW	W13	1400	800	900
	SLIDING WINDOW	W14	1400	2000	1000
	SLIDING WINDOW	W15	1400	1200	1000

SECOND FLOOR					
	TYPE	CODE	HEIGHT OF OPENING	WIDTH OF OPENING	SILL HEIGHT
DOOR	HINGED DOOR	D1(b)	2400	1000	NA
	HINGED DOOR	D2	2400	920	NA
	HINGED DOOR	D3	2400	800	NA
	SLIDING GLASS DOOR	D9	2400	2100	NA
	SLIDING GLASS DOOR	D10	2400	3600	NA
	SLIDING GLASS DOOR	D11	2400	1650	NA
	SLIDING GLASS DOOR	D12	2400	2600	NA
	SLIDING GLASS DOOR	D13	2400	3300	NA
	SLIDING GLASS DOOR	D14	2400	4200	NA
WINDOW	SLIDING WINDOW	W4	600	800	1800
	PARTLY FIXED & AWNING WINDOW	W7	3100	3000	0
	SLIDING WINDOW	W13	1400	800	1000
	SLIDING WINDOW	W14	1400	2000	1000
	SLIDING WINDOW	W15	1400	1200	1000
	SLIDING WINDOW	W16	1400	1000	1000



NOTES

- * ALL SILLS ARE ACCOUNTED FROM FINISHED FLOOR LEVELS
- ALL WINDOWS IN BEDROOMS WILL BE FITTED WITH RESTRICTING DEVICE TO RELEVANT AUSTRALIAN STANDARDS
- REFER TO PLANS FOR LOCATION OF DOORS AND WINDOWS

SYSTEM SPECIFICATION Refer to Book 3 Commercial & Multi-Residential Installation Guide			ACOUSTIC OPINION: PKA Predictor V16					
FRL Report/Opinion	SYSTEM N°	WALL LININGS	STUD DEPTH mm	51	64	76	92	150
			STUD BMT mm	0.50	0.50	0.55	0.55	0.75
			CAVITY INFILL (Refer to TAB 3.1.10)	Rw / Rw+Ctr				
- / - / -		BOTH SIDES • 1 x 6mm CeminSeal Wallboard.	(a) Nil	32/25	34/27	35/28	36/29	38/31
			(b) 50 GW Acoustigard 11kg	40/31	42/33	43/34	44/35	45/36
			(c) 75 GW Acoustigard 11kg	-	44/35	44/35	45/36	46/37
			(d) MSB3 Polyester	38/30	40/32	41/33	42/34	43/35
			(e) 60 Soundscreen 1.7	-	44/34	45/35	46/36	47/37
			Wall Thickness mm	63	75	88	104	182
- / - / -		BOTH SIDES • 1 x 9mm CeminSeal Wallboard.	(a) Nil	37/30	38/31	39/32	40/33	42/36
			(b) 50 GW Acoustigard 11kg	45/36	46/37	47/38	48/39	49/41
			(c) 75 GW Acoustigard 11kg	-	48/39	48/39	49/40	50/42
			(d) MSB3 Polyester	43/35	44/36	45/37	46/38	47/40
			(e) 60 Soundscreen 1.7	-	48/38	49/39	50/40	51/42
			Wall Thickness mm	69	82	94	110	168
- / - / -		SIDE ONE • 1 x 6mm CeminSeal Wallboard. SIDE TWO • 1 x 10mm Gyprock AquaChek Plasterboard.	(a) Nil	32/24	33/26	34/27	35/28	37/30
			(b) 50 GW Acoustigard 11kg	40/30	41/32	42/33	43/34	44/35
			(c) 75 GW Acoustigard 11kg	-	43/34	43/34	44/35	45/36
			(d) MSB3 Polyester	38/29	39/31	40/32	41/33	42/34
			(e) 60 Soundscreen 1.7	-	43/33	44/34	45/35	46/36
			Wall Thickness mm	67	80	92	108	166
- / - / -		BOTH SIDES • 1 x 10mm Gyprock Plus Plasterboard.	(a) Nil	28/20	29/21	30/22	30/23	33/26
			(b) 50 GW Acoustigard 11kg	36/26	37/27	38/28	38/29	40/31
			(c) 75 GW Acoustigard 11kg	-	39/29	39/29	39/30	41/32
			(d) Prime 75	-	39/29	39/29	39/30	41/32
			(e) 60 Soundscreen 1.7	-	39/28	40/29	40/30	42/32
			Wall Thickness mm	71	84	96	112	170
- / - / -		SIDE ONE • 1 x 10mm Gyprock Plus Plasterboard. SIDE TWO • 1 x 10mm Gyprock AquaChek Plasterboard.	(a) Nil	30/22	31/23	31/23	32/26	35/28
			(b) 50 GW Acoustigard 11kg	38/28	39/29	39/29	41/32	42/33
			(c) 75 GW Acoustigard 11kg	-	41/31	40/30	42/33	43/34
			(d) Prime 75	-	41/31	40/30	42/33	43/34
			(e) 60 Soundscreen 1.7	-	41/30	41/30	43/33	44/34
			Wall Thickness mm	71	84	96	112	170
- / - / -		BOTH SIDES • 1 x 10mm Gyprock Plus Plasterboard.	(a) Nil	28/20	29/21	30/22	30/23	33/26
			(b) 50 GW Acoustigard 11kg	36/26	37/27	38/28	38/29	40/31
			(c) 75 GW Acoustigard 11kg	-	39/29	39/29	39/30	41/32
			(d) Prime 75	-	39/29	39/29	39/30	41/32
			(e) 60 Soundscreen 1.7	-	39/28	40/29	40/30	42/32
			Wall Thickness mm	71	84	96	112	170

SINGLE STUD WALL

Wall Type	LW120 Single reinforcement	LW150 Single reinforcement	LW162 Single reinforcement	LW200 Single reinforcement	LW200D Double reinforcement	LW262 Double reinforcement
Wall Thickness	120mm	150mm	162mm	200mm	200mm	262mm
Filled Wall Mass (kg/m²)	290	360	394	480	480	630
Application	External façades, batten/sheet party walls, balustrades	External façades, batten/sheet party walls, blade walls	Stand-alone party walls, external façades, blade walls	Lift and stair shafts, stand-alone party walls, blade walls	Deep beams, lift & stair shafts, shear walls, blade walls	Shear walls, lift and stair shafts, blade walls
Acoustic Rating (Rw) Rw + Ctr	50 47	54 50	55 50	58 53	58 53	62 57
Max Fire Resistance Level (based on CSIRO testing)	240/240/180 [‡]	240/240/180 [‡]	240/240/240 ⁺	240/240/240 ⁺	240/240/240 ⁺	240/240/240 ⁺
Design Axial Capacities [§] (based on AS3600-2018)	320 kN/m [~]	415 kN/m [^]	555 kN/m ^{^^}	870 kN/m ^{^^^}	2055 kN/m [#]	3460 kN/m [#]

AFS PARTY WALL

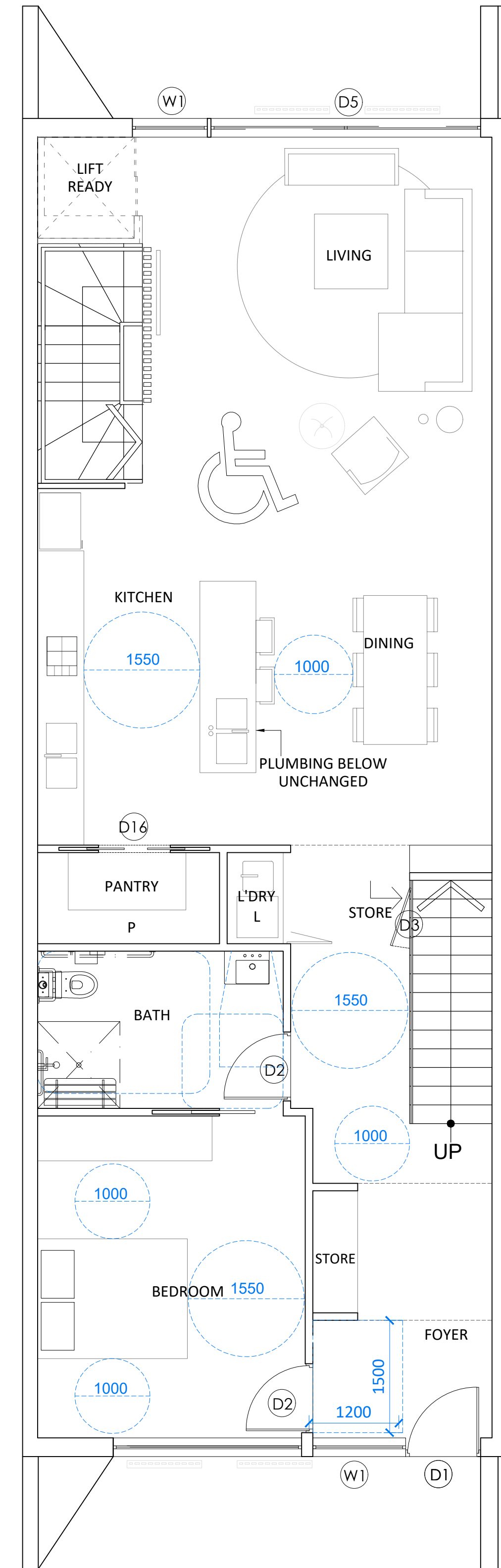
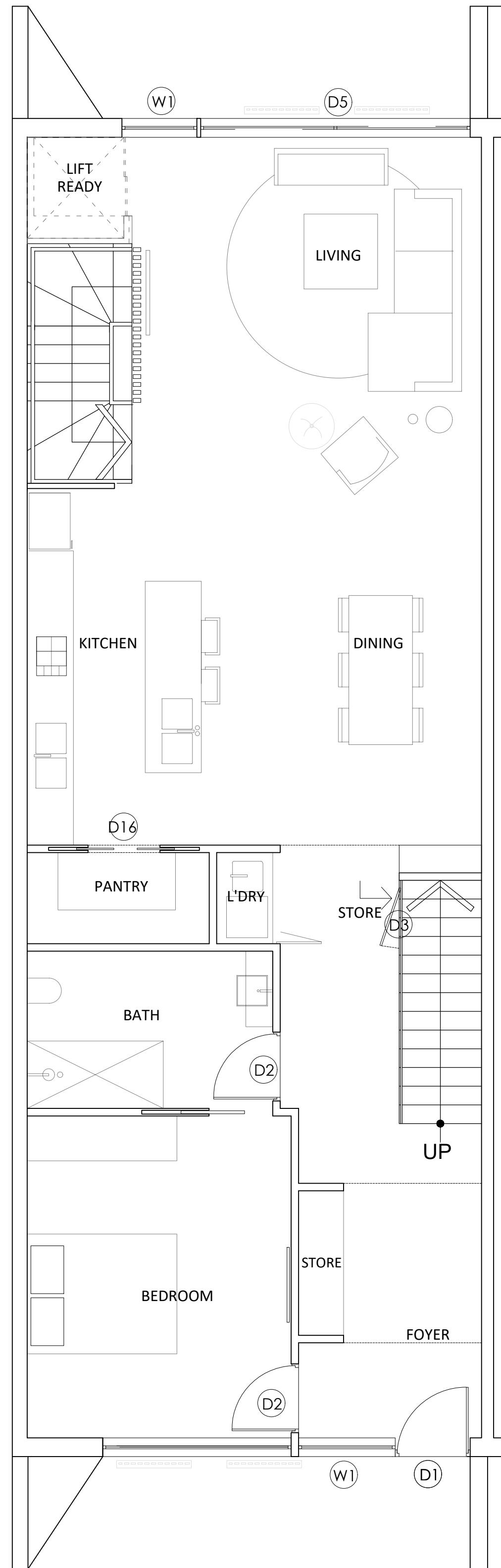


REVISION R10
- BUILDING MASS AND FACADE ON SECOND FLOOR MODIFIED

VIEW- 1
PROJECT LOCATION : 43-45&49 WARRIEWOOD ROAD, WARRIEWOOD

ARCHIDROME
206, LEVEL 2, 8 HELP ST, CHATSWOOD, N.S.W 2067 TARUNCHADHA@ARCHIDROME.NET ARCHITECT'S REG. NO. 8777 NSW ARCHIDROME.COM.AU

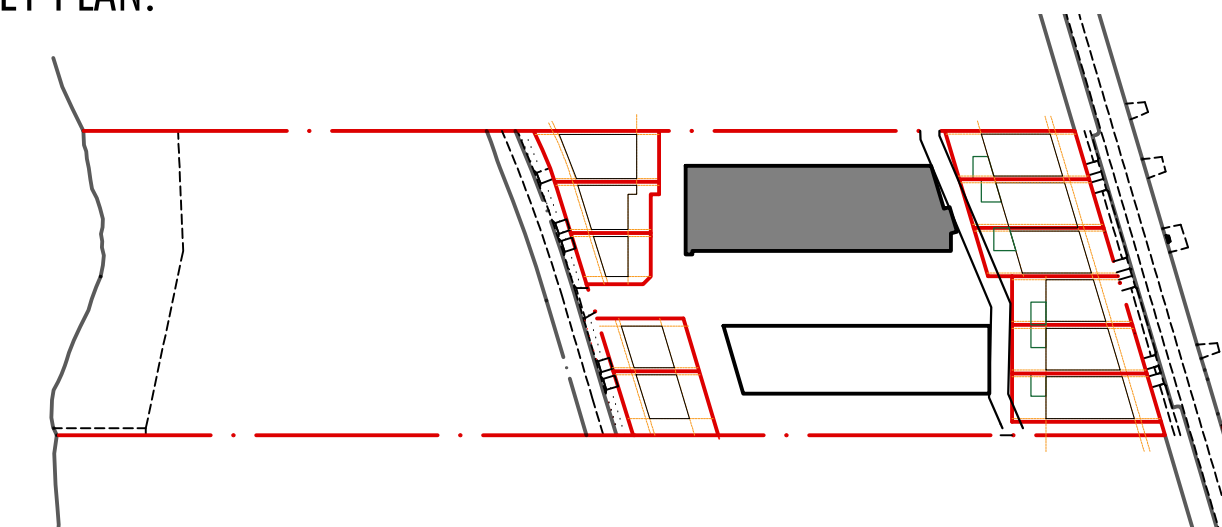
DRWG. NO.
A16.1
12/12/23
NTS @A1
R-10



NOTES:

-Typical for all Units from C-1 to C-9

KEY PLAN:



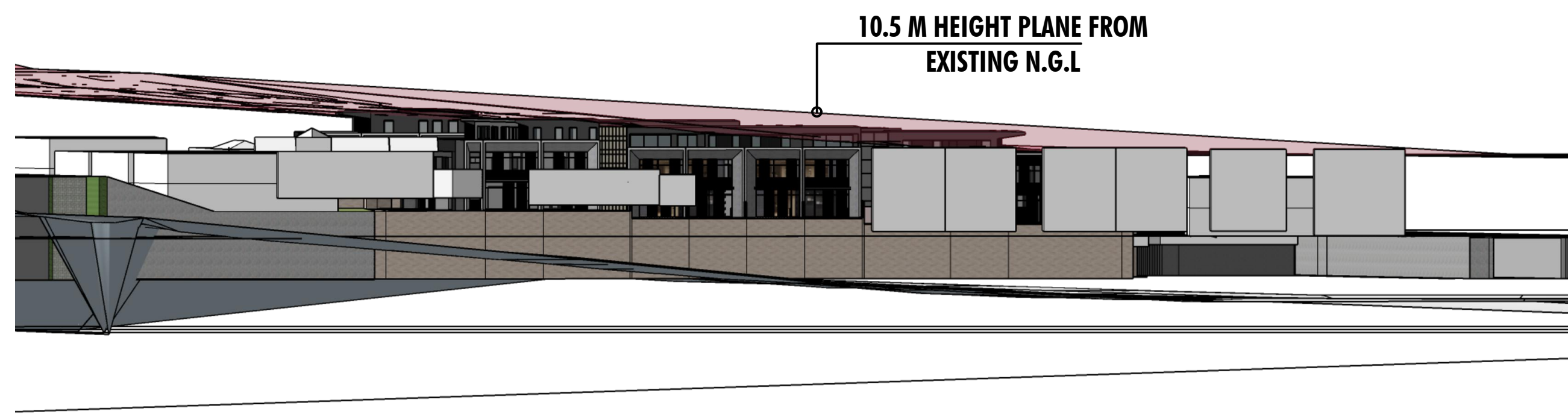
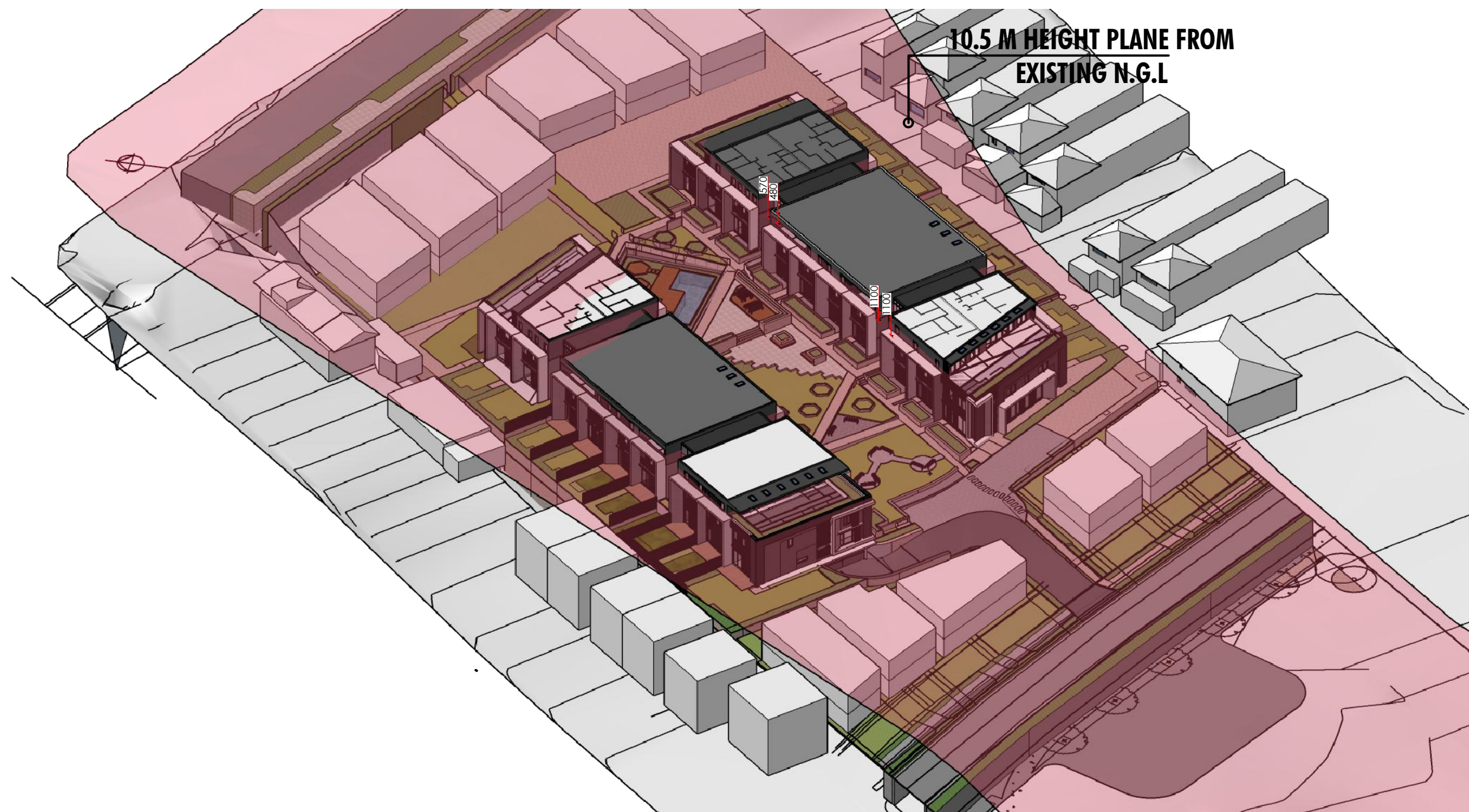
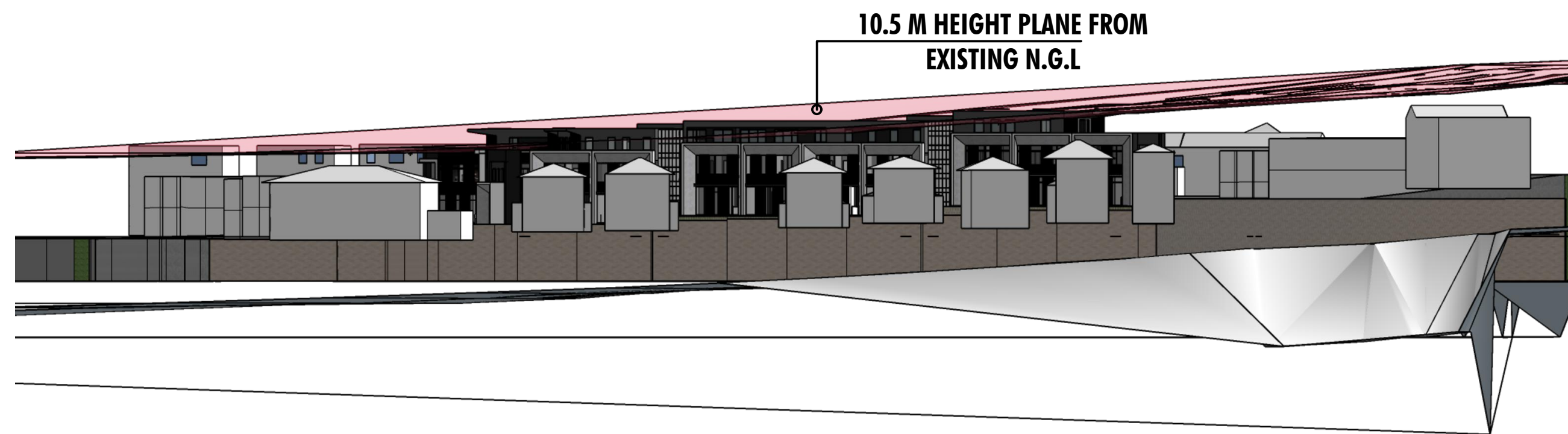
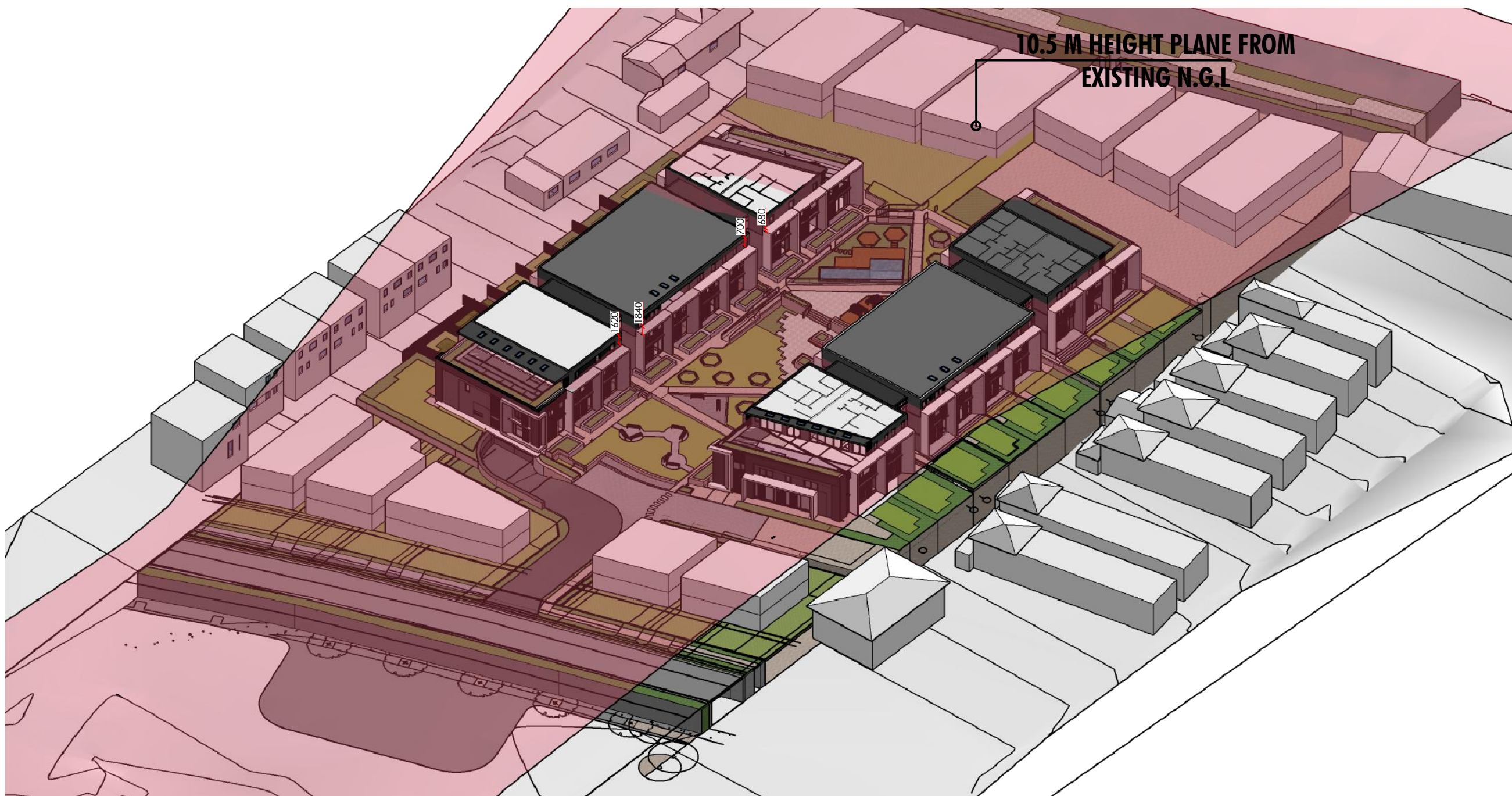
ADAPTABLE UNITS

PROJECT LOCATION : 43-45&49 WARRIEWOOD ROAD, WARRIEWOOD

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DRWG. NO.
A17

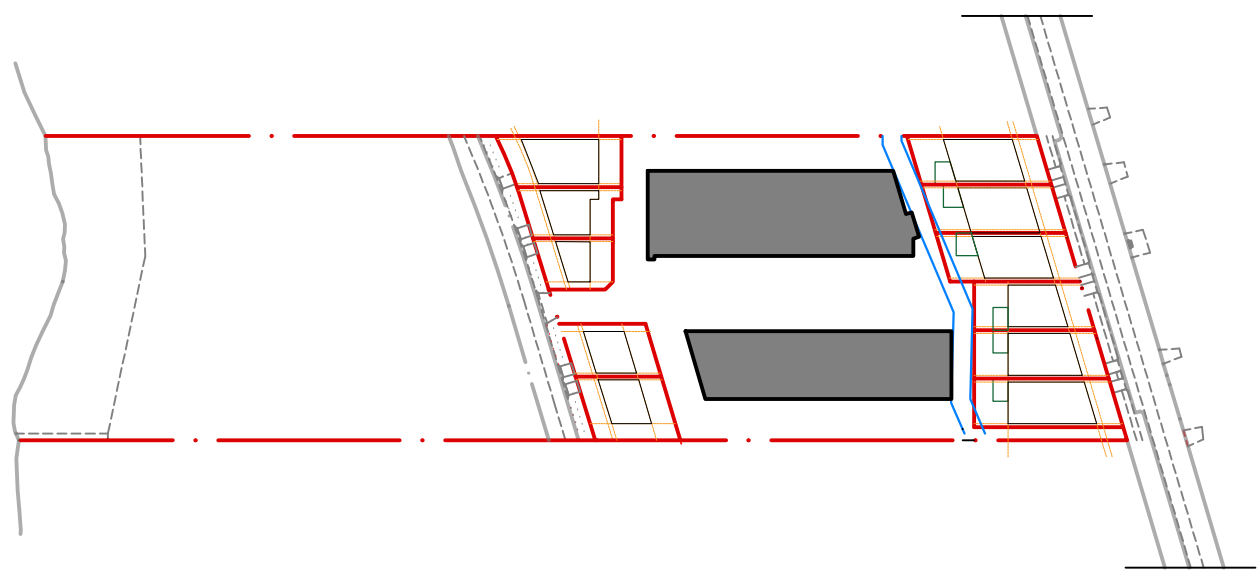
12/12/23
1:50 @A1
R-10



NOTES:
THE HEIGHT PLANE IS GENERATED BY MODELING THE EXISTING SITE LEVELS.

REVISION R10
-Second Floor building recessed.
-Skylight added.

KEY PLAN:



LEGEND:

HEIGHT PLANE
(EXISTING SITE LEVEL)

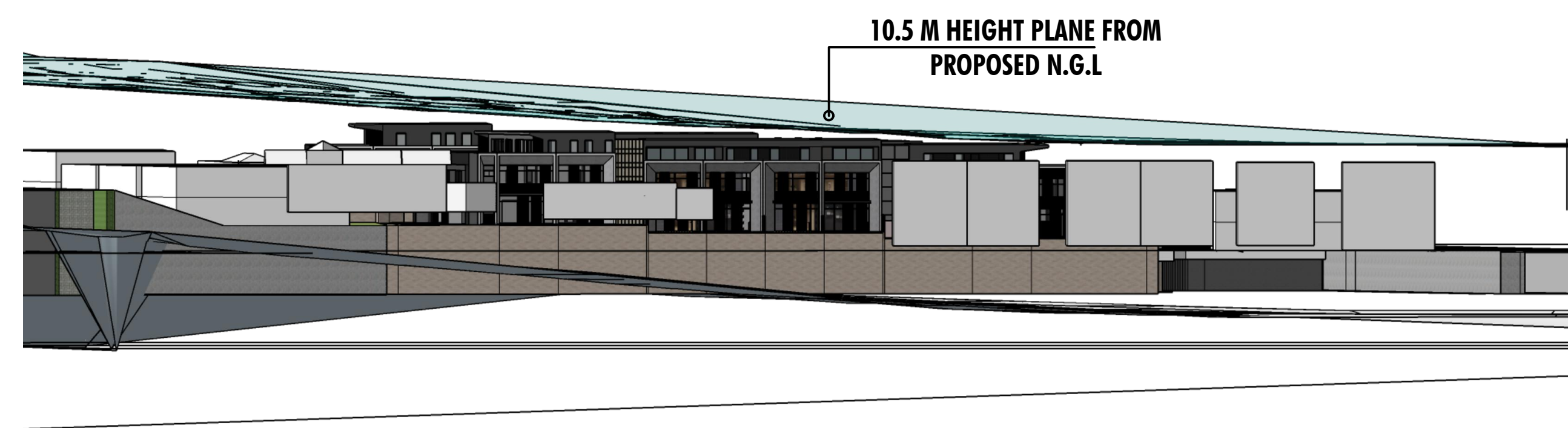
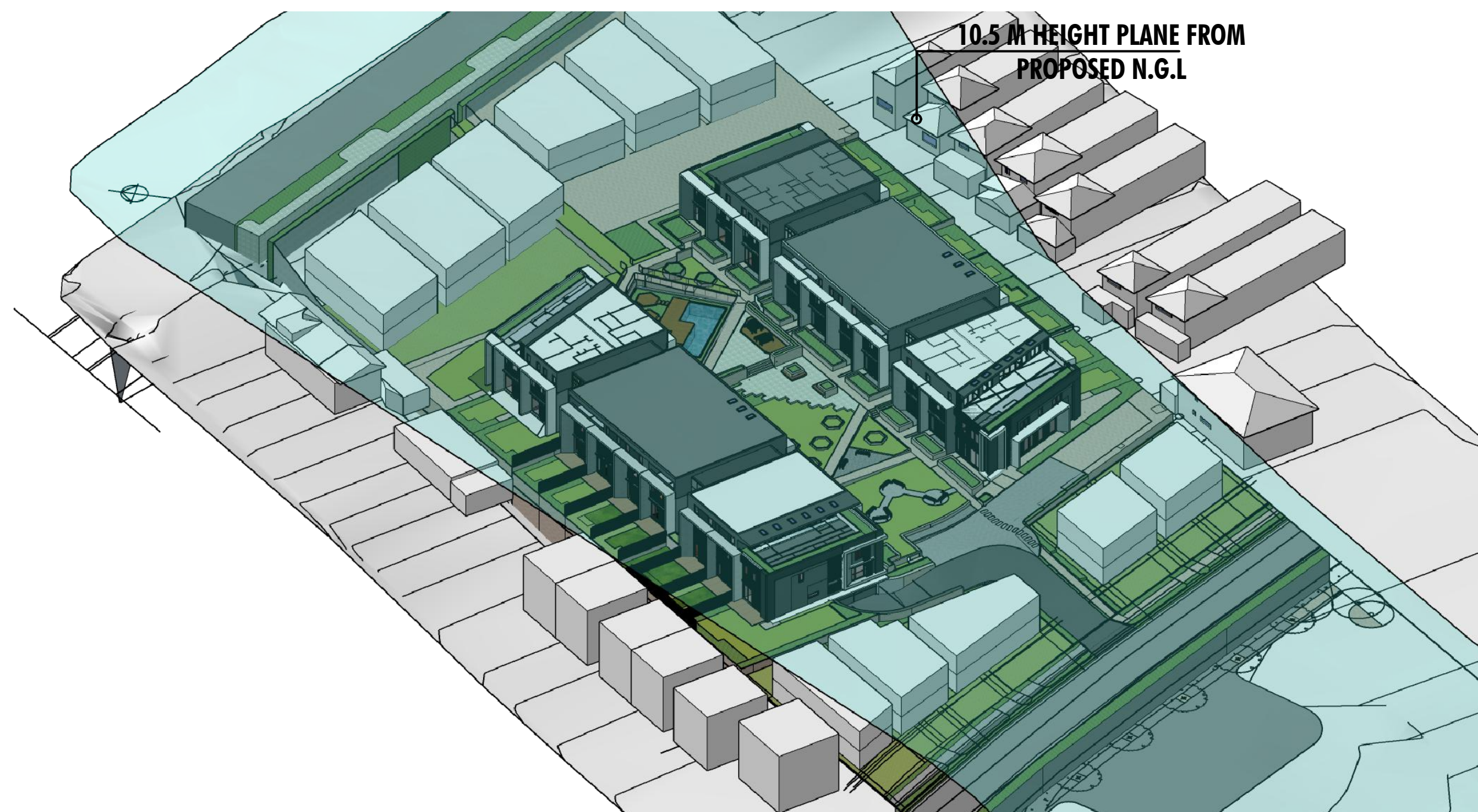
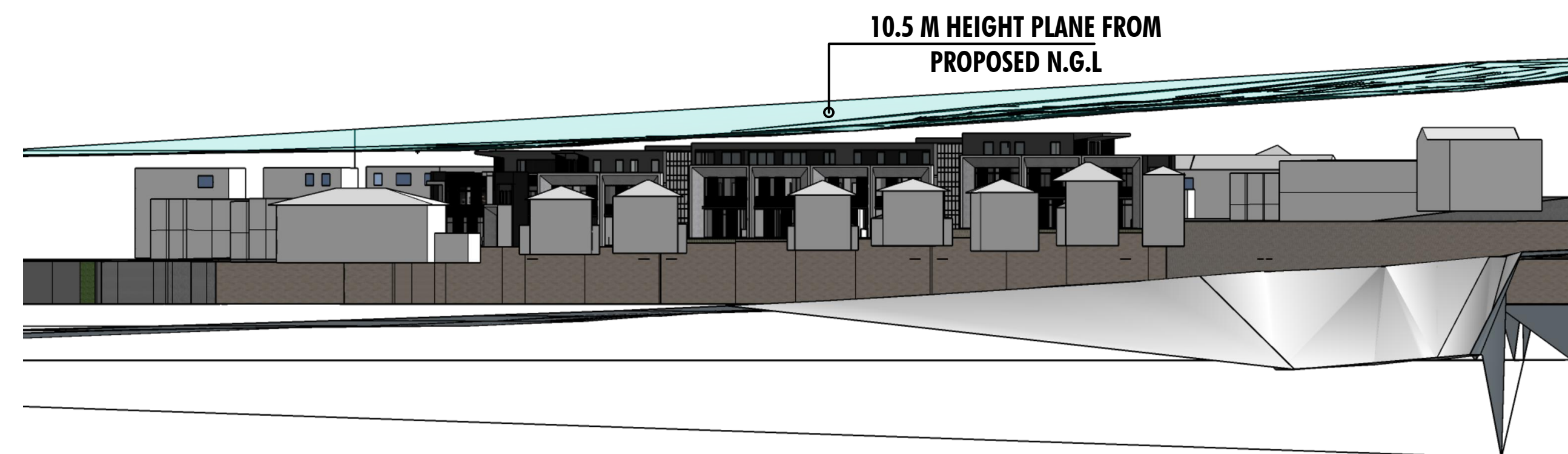
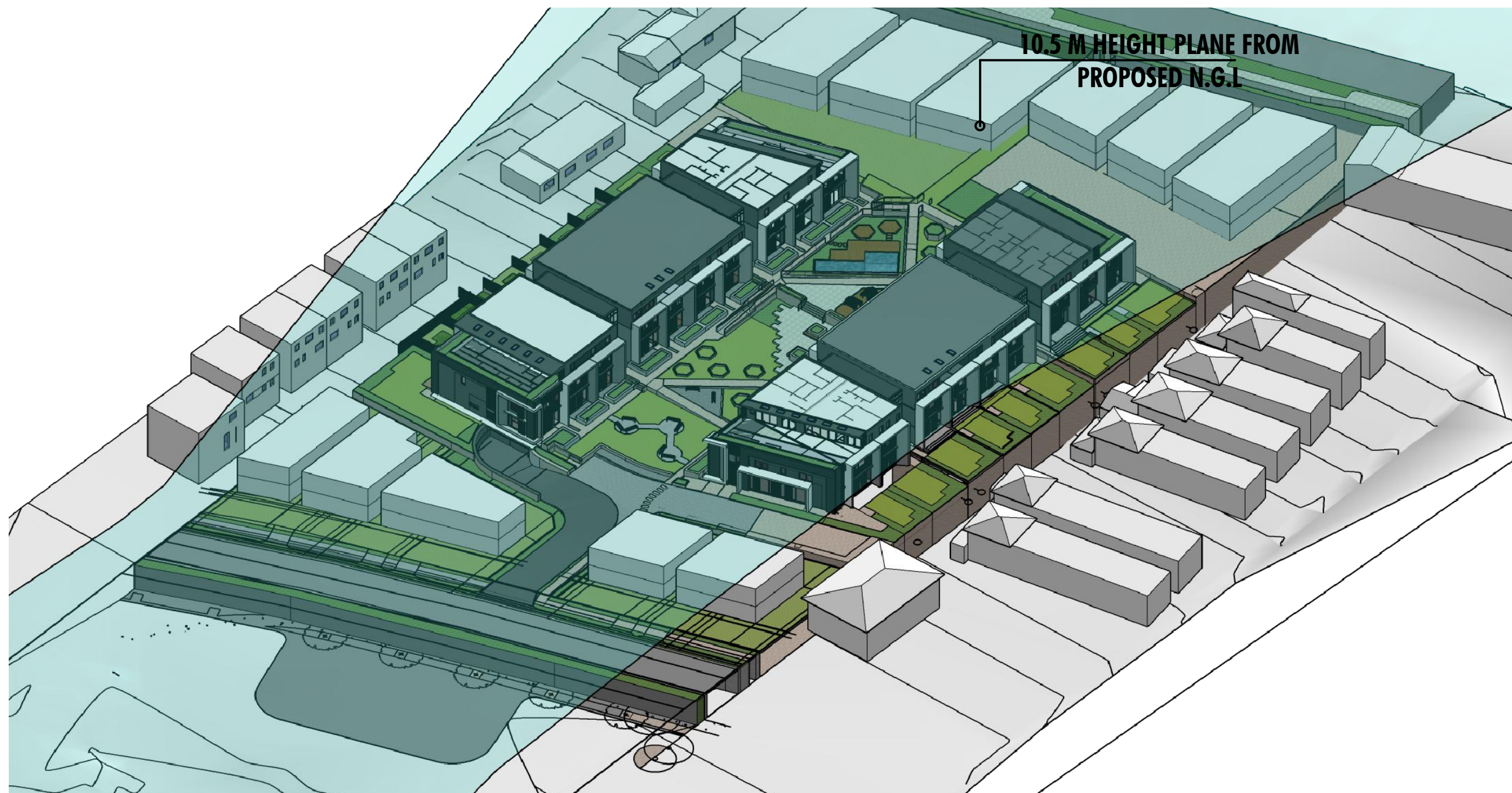
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<input checked="" type="checkbox"/> multi-unit development (attach listing of ratings) <small>If selected, data specified is the average across the entire development</small>	heating	23.5av	MJ/m ²
	cooling	25.1av	MJ/m ²
Recessed downlights confirmation:		<input type="checkbox"/> Rated with	<input checked="" type="checkbox"/> Rated without
Assessor Name/Number		Sowmya Sastry VIC/BDAV/10/1014	
Assessor Signature		Date 13/12/23	

HEIGHT PLANE ANALYSIS- EXISTING SITE LEVEL

PROJECT LOCATION : 43-45&49 WARRIEWOOD ROAD, WARRIEWOOD

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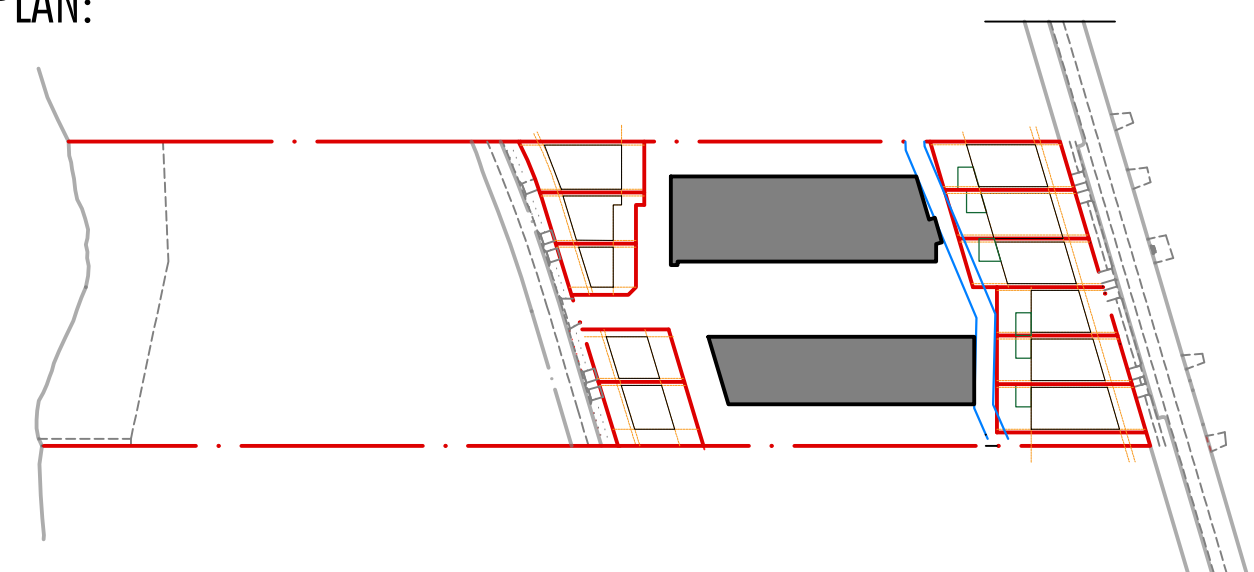
DRWG. NO. 12/12/23
A18.1 1:200 @A1
R-10



NOTES:
THIS PROPOSED HEIGHT PLANE IS GENERATED BY MODELLING SITE LEVELS
BASED ON NEIGHBOURING FINISHED GROUND FLOOR LEVEL AND LORIKEET
GROVE LEVELS

REVISION R10
-Second Floor building recessed.
-Skylight added.

KEY PLAN:



LEGEND:

HEIGHT PLANE
(PROPOSED SITE LEVEL)

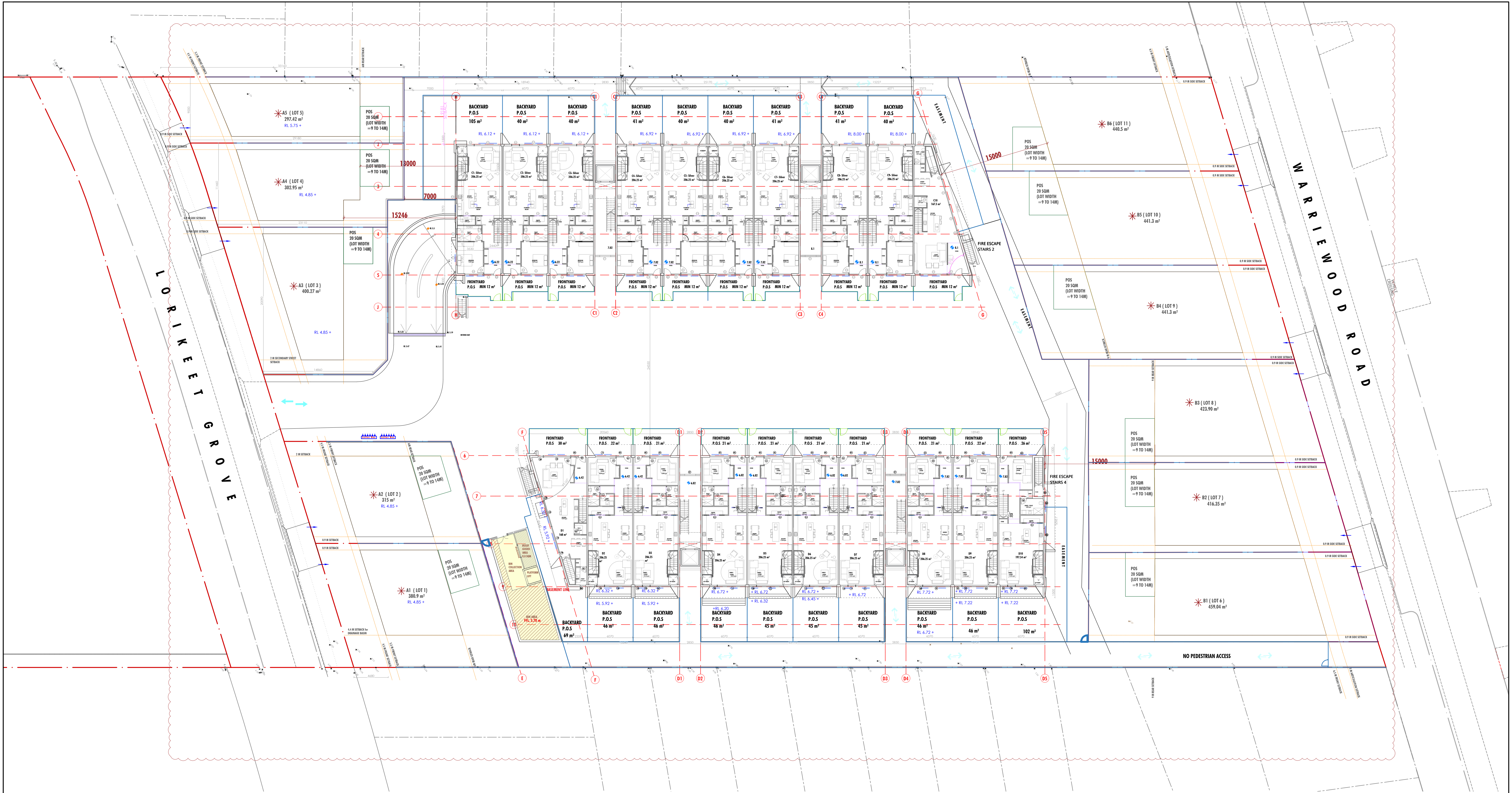
		Certificate Number 130GS7ISKL	
<input type="checkbox"/> single-dwelling rating		6.0av stars	
<input checked="" type="checkbox"/> multi-unit development (attach listing of ratings) <small>If selected, data specified is the average across the entire development</small>		heating 23.5av MJ/m ²	
		cooling 25.1av MJ/m ²	
Recessed downlights confirmation:		<input type="checkbox"/> Rated with	<input checked="" type="checkbox"/> Rated without
Assessor Name/Number Sowmya Sastry VIC/BDAY/10/1014			
Assessor Signature		Date 13/12/23	

HEIGHT PLANE ANALYSIS- PROPOSED SITE LEVEL

PROJECT LOCATION : 43-45&49 WARRIEWOOD ROAD, WARRIEWOOD

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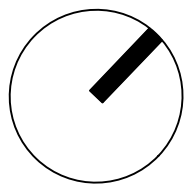
DRWG. NO. 12/12/23
A18.2 1:200 @A1
R-10

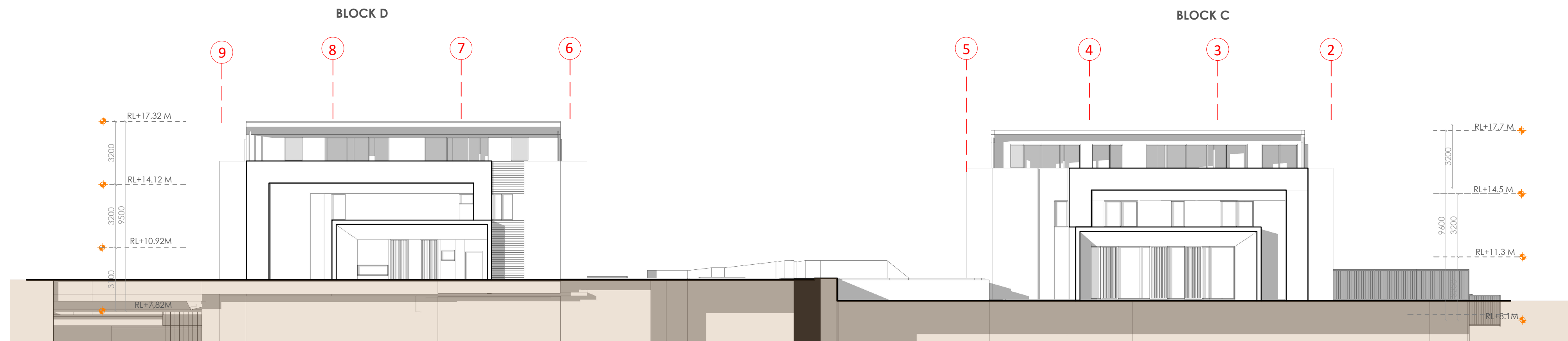


NOTES

- * BUILDING ENVELOPE PLANS ONLY
- THE DESIGN OF THE INDIVIDUAL DWELLINGS WITHIN THE LOTS WILL BE SUBJECT TO A SEPARATE APPROVAL PROCESS
- REFER TO SHEET A03 & A03.a FOR SITE PLAN & SITE FENCING DETAILS

REVISION R10
- Site Plan updated.





NORTH EAST - ELEVATION



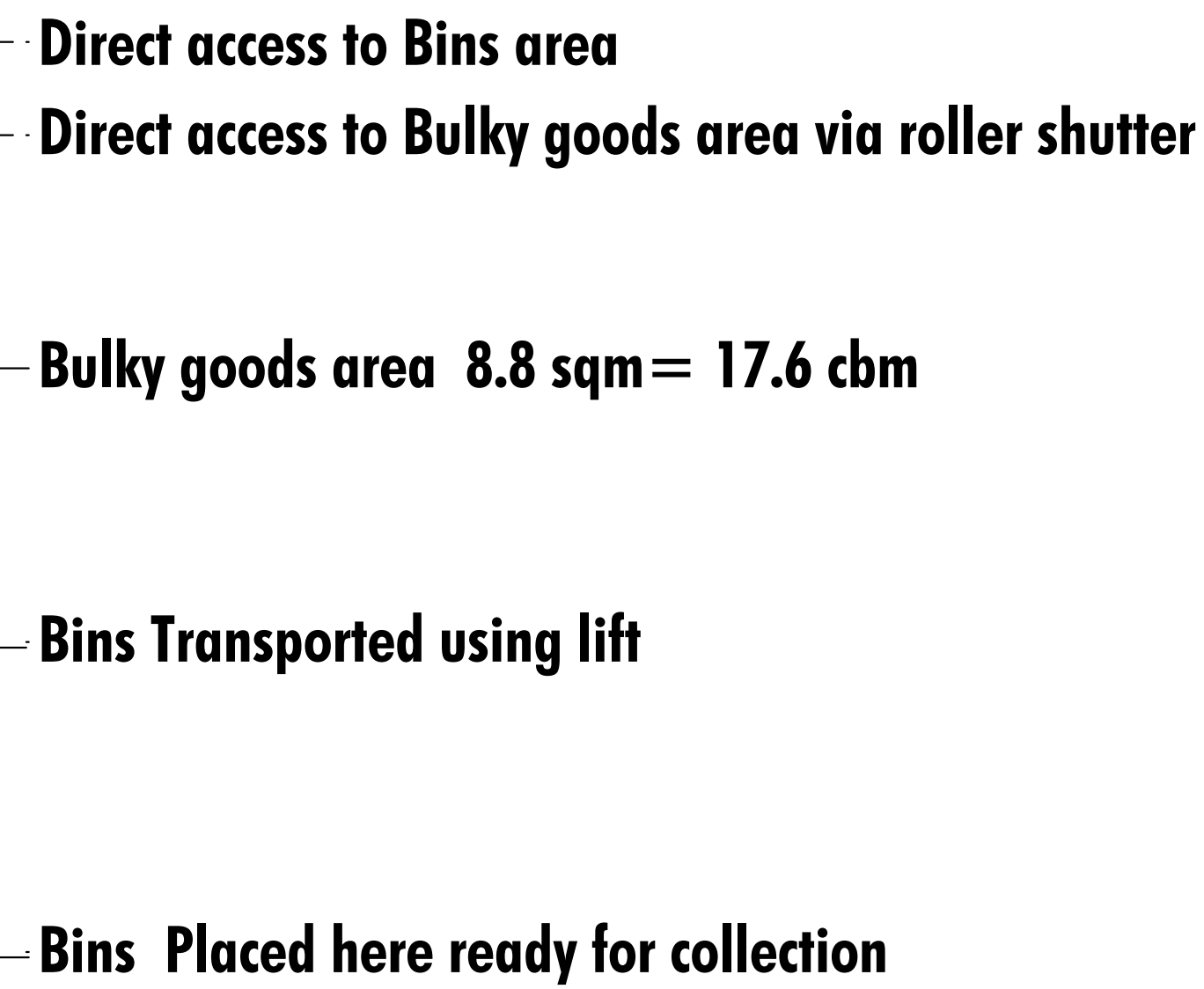
BLOCK C- SIDE ELEVATION



BLOCK D- SIDE ELEVATION

REVISION R10



- MODIFIED ELEVATION AS PER AMENDMENTS TO UNIT PLANS



* BUILDING ENVELOPE PLANS ONLY
THE DESIGN OF THE INDIVIDUAL DWELLINGS WITHIN THE LOTS WILL BE SUBJECT TO A SEPARATE APPROVAL PROCESS.

REVISION R10

- SITE PLAN UPDATED

	<h1>Energy Rating</h1>		Certificate Number I30GS7ISKL	
			6.0av stars	
<input type="checkbox"/>	single-dwelling rating	heating	23.5av	MJ/m ²
<input checked="" type="checkbox"/>	multi-unit development (attach listing of ratings) <small>If selected, data specified is the average across the entire development</small>	cooling	25.1av	MJ/m ²
Recessed downlights confirmation: <input type="checkbox"/> Rated with <input checked="" type="checkbox"/> Rated without				
Assessor Name/Number Sowmya Sastry VIC/BDAAV/10/1014				
Assessor Signature 			Date 13/12/23	

WASTE MANAGEMENT PLAN

PROJECT LOCATION : 43-45&49 WARRIEWOOD ROAD, WARRIEWOOD

AIRCHIDROME
206, LEVEL 2, 8 HELP ST, CHATSWOOD, N.S.W 2067 TARUNCHADHA@ARCHIDROME.NET ARCHITECT'S REG. NO. 8777 NSW ARCHIDROME.COM.AU

DRWG. NO.
A20

11/12/23
NTS @A1
R-10

T O R R E N S T I T L E L O T S				
	D.A	AMENDED SET - AUG,2023	AMENDED SET - SEP,2023	AMENDED SET - DEC,2023
SUBDIVIDED LOTS	4 LOTS ALONG WARRIEWOOD RD +	4 LOTS ALONG WARRIEWOOD RD +	6 LOTS ALONG WARRIEWOOD RD +	6 LOTS ALONG WARRIEWOOD RD +
	7 LOTS ALONG LORIKEET GROVE	7 LOTS ALONG LORIKEET GROVE	5 LOTS ALONG LORIKEET GROVE	5 LOTS ALONG LORIKEET GROVE
	TOTAL 11 LOTS	TOTAL 11 LOTS	TOTAL 11 LOTS	TOTAL 11 LOTS

COMMENTS
LOT BOUNDARIES AMENDED TO ACCOMMODATE SIX LOTS FACING WARRIEWOOD ROAD AND 5 FACING LORIKEET GROVE

R E S I D E N T I A L F L A T B U I L D I N G				
	D.A	AMENDED SET - AUG,2023	AMENDED SET - SEP,2023	AMENDED SET - DEC,2023
R.F.B	BLDG C + BLDG D	BLDG C + BLDG D	BLDG C + BLDG D	BLDG C + BLDG D
NO. OF UNITS	34 UNITS COMBINED	34 UNITS COMBINED	34 UNITS COMBINED	34 UNITS COMBINED
UNIT TYPOLOGY	20 NOS. X 4 BED TOWN HOUSE STYLE 2 STOREY UNITS.	20 NOS. X 4 BED TOWN HOUSE STYLE 2 STOREY UNITS.	11 NOS. X 4 BED TOWN HOUSE STYLE 2 STOREY UNITS. 9 NOS. X 5 BED TOWN HOUSE STYLE 2 STOREY UNITS	11 NOS. X 4 BED TOWN HOUSE STYLE 2 STOREY UNITS. 9 NOS. X 5 BED TOWN HOUSE STYLE 2 STOREY UNITS
	14 NOS. X 3 BED TOP FLOOR UNITS.	10 NOS. X 3 BED TOP FLOOR UNITS. 4 DUAL KEY TOP FLOOR UNITS BREAKDOWN BELOW: DUAL KEY UNIT C16 CAN INTERNALLY FUNCTION AS AN INDEPENDENT STUDIO AND 2 BED UNIT. DUAL KEY UNIT D17 CAN INTERNALLY FUNCTION AS AN INDEPENDENT STUDIO AND 2 BED UNIT. DUAL KEY UNIT C17 CAN INTERNALLY FUNCTION AS AN INDEPENDENT 1 BED + 1 BED UNIT. DUAL KEY UNIT D16 CAN INTERNALLY FUNCTION AS AN INDEPENDENT 1 BED + 1 BED UNIT.	10 NOS. X 3 BED TOP FLOOR UNITS. 4 NOS. X 2 BED TOP FLOOR UNITS. BREAKDOWN BELOW: UNITS C11,12,13,14,15 & D13,14,15 16,17 FUNCTION AS 3BED UNITS D11,12 & C16,17 ARE MODIFIED TO FUNCTION AS 2 BED UNITS	10 NOS. X 3 BED TOP FLOOR UNITS. 4 NOS. X 2 BED TOP FLOOR UNITS. BREAKDOWN BELOW: UNITS C11,12,13,14,15 & D13,14,15 16,17 FUNCTION AS 3BED UNITS D11,12 & C16,17 ARE MODIFIED TO FUNCTION AS 2 BED UNITS

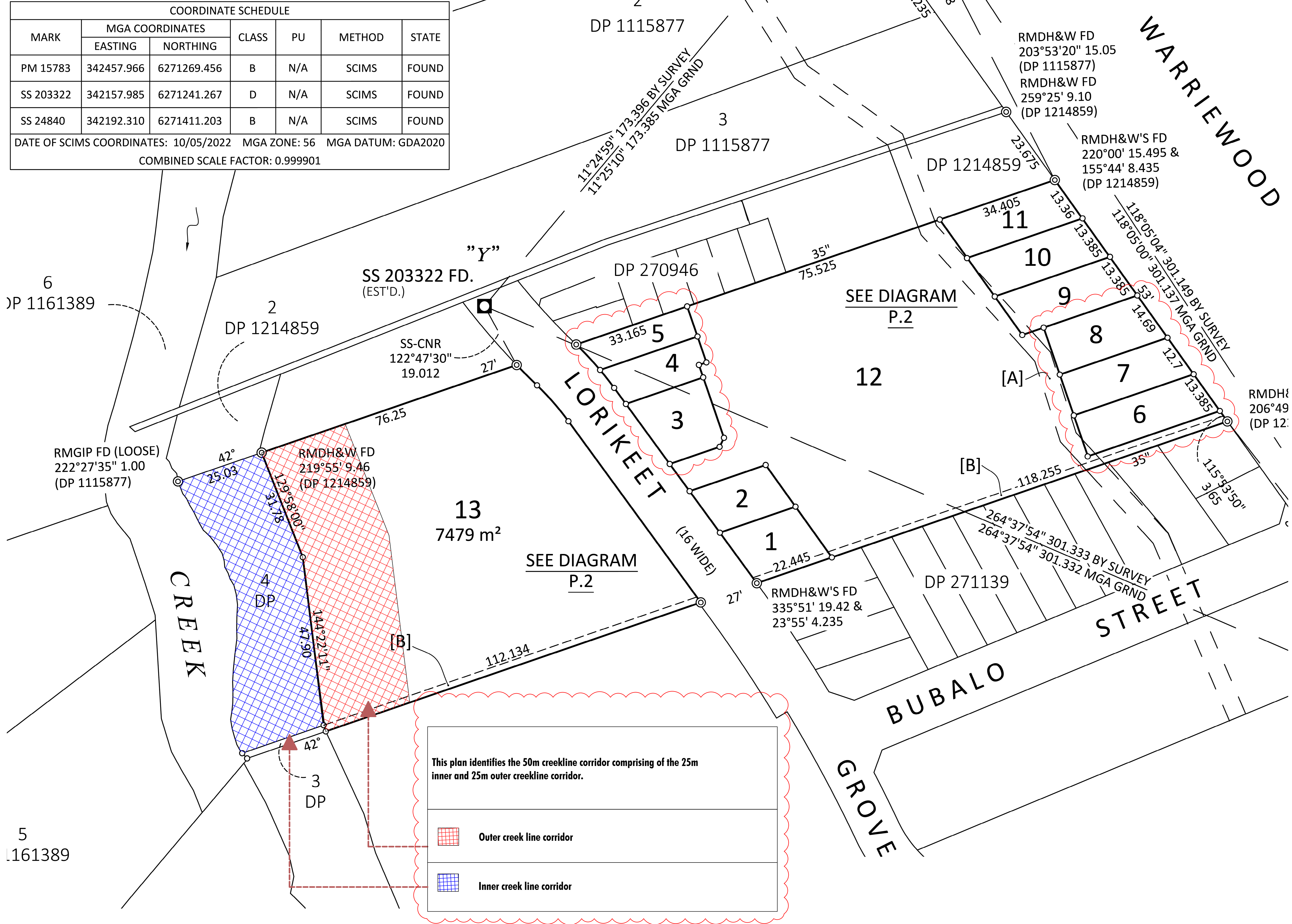
COMMENTS
NO CHANGES
NO CHANGES
9 UNITS (C1 - C9) MODIFIED TO BE USED AS SILVER ADAPTABLE UNITS
AMENDED TO IMPROVE THE UNIT MIX AS PER ADG CLAUSE 4.3 TO PROVIDE A VARIETY OF ARAPRTMENTS WITHIN A FLOORPLATE

REVISION R10

LEGEND:

LATEST REVISION

MARK	MGA COORDINATES		CLASS	PU	METHOD	STATE
	EASTING	NORTHING				
PM 15783	342457.966	6271269.456	B	N/A	SCIMS	FOUND
SS 203322	342157.985	6271241.267	D	N/A	SCIMS	FOUND
SS 24840	342192.310	6271411.203	B	N/A	SCIMS	FOUND
DATE OF SCIMS COORDINATES: 10/05/2022 MGA ZONE: 56 MGA DATUM: GDA2020						
COMBINED SCALE FACTOR: 0.999901						



INNER AND OUTER CREEKLINE CORRIDOR PLAN

PROJECT LOCATION : 43-45&49 WARRIEWOOD ROAD, WARRIEWOOD

