# **CABRAMATTA EAST**

## **PLANNING PROPOSAL**

NO. 20073

DATE: 18/06/2018

REVISION: -



## **CONTENTS**

- 1. INTRODUCTION
- 2. SITE INFORMATION
- 3. OVERALL MASSING VIEWS
- 4. ARCHITECTURAL PLANS
- **5. SHADOW STUDY**



1

INTRODUCTION





#### PROJECT OVERVIEW

The proposal comprises of a total of 15,377 sqm of Council (2,777 sqm) and privately held land. The project site presents a significant opportunity for mixed use urban renewal. The ground plane is to be activated with a range of fine-grain to large scale retail outlets offering residents diversity and a balance of leisure and amenity. The proposed market square will be an anchor for foot-traffic, revitalising the broader area with pedestrian activity.

### The Project Team

Developer

Moon Investments

Architect

Plus Architecture

**Urban Designer** e8urban

Town Planner GLN Planning

**Traffic Engineers**Anton Reisch Consulting



**SITE INFORMATION** 



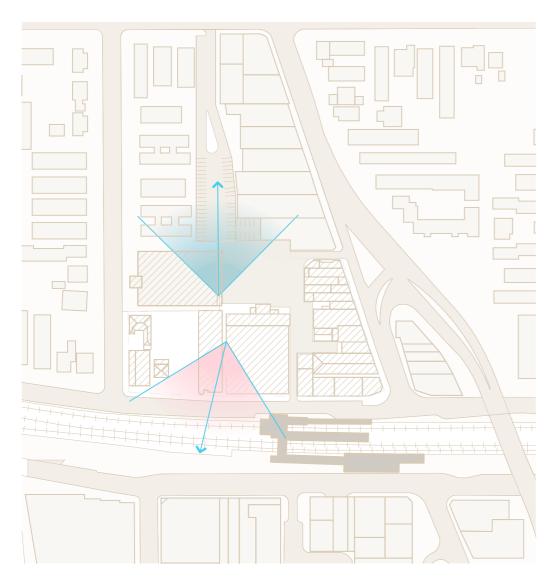








## **CONTEXT**



#### LEGEND



DISTANT VIEWS TO CITY

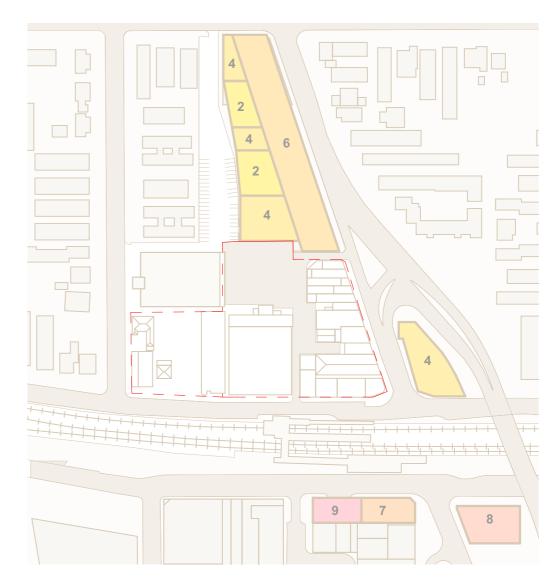
DISTANT VIEWS TO BLUE MOUNTAINS



EXISTING BUILDINGS ON SITE

## CABRAMATTA TRAIN STATION

## PROJECTED BUILT FORM



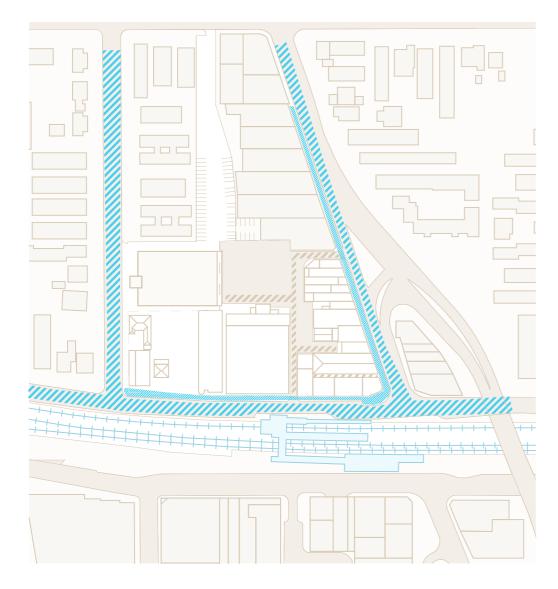
#### LEGEND







## **MOVEMENT**



#### LEGEND

VEHICULAR TRAFFIC

PEDESTRIAN TRAFFIC

TRAIN LIN

CABRAMATTA TRAIN STATION

SERVICE LANE

## **ENVIRONMENT**



#### LEGEND



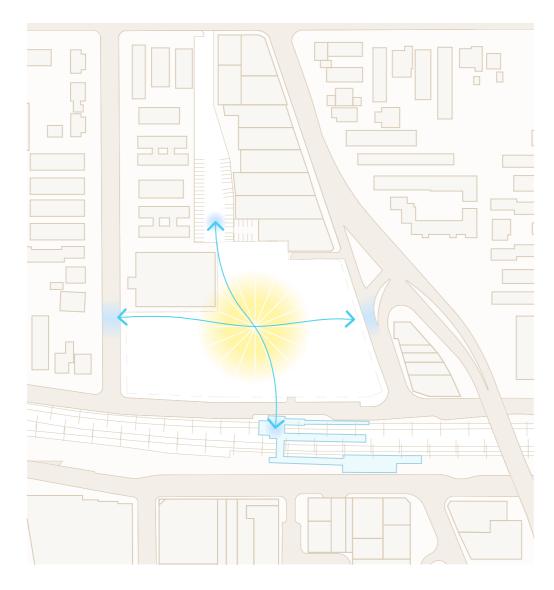




**DESIGN RESPONSE** 



## **ACTIVATION**



LEGEND

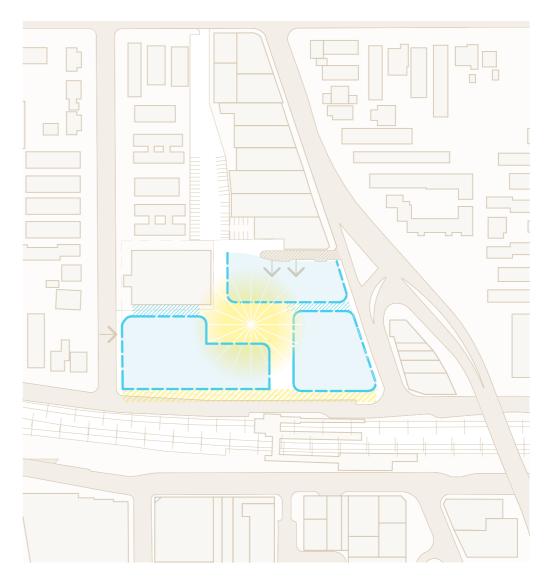


HEART

MOVEMENT

CABRAMATTA TRAIN STATION

## **GROUND PLANE**



#### LEGEND



MARKET SQUARE



RETAIL ACTIVATION
FOOTPATH EXTENSION



INTERNAL STREET



VEHICLE ACCESS

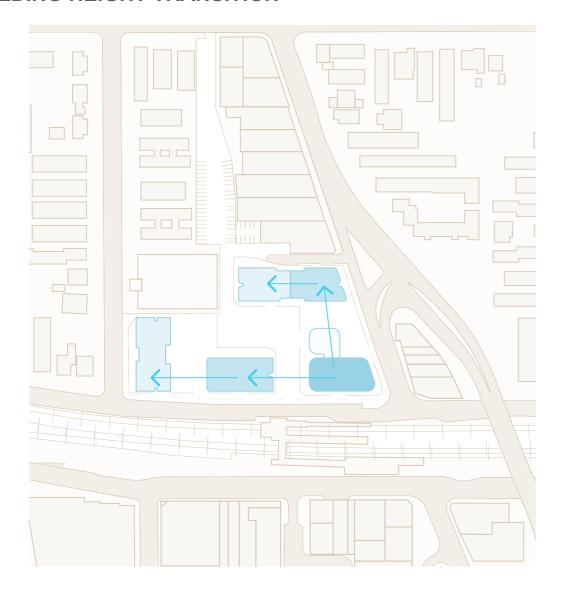


SERVICE ROAD





## **BUILDING HEIGHT TRANSITION**



#### LEGEND

8 STOREY BUILDING

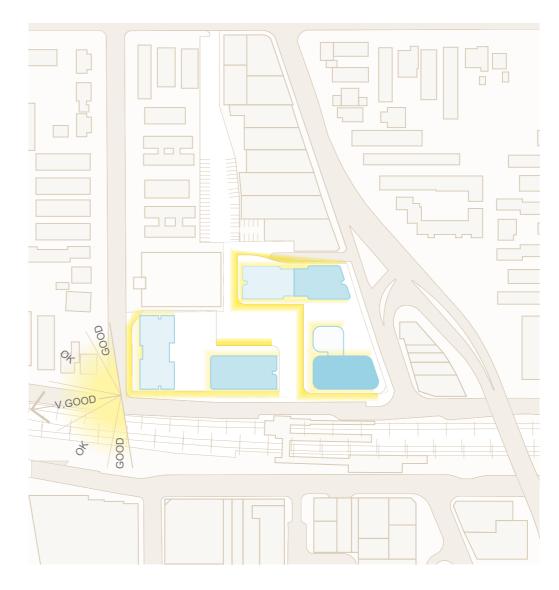
12 STOREY BUILDING

16 STOREY BUILDING

19 STOREY 'ICON' BUILDING

STEP DOWN DIRECTION

## **SOLAR AMENITY**



LEGEND

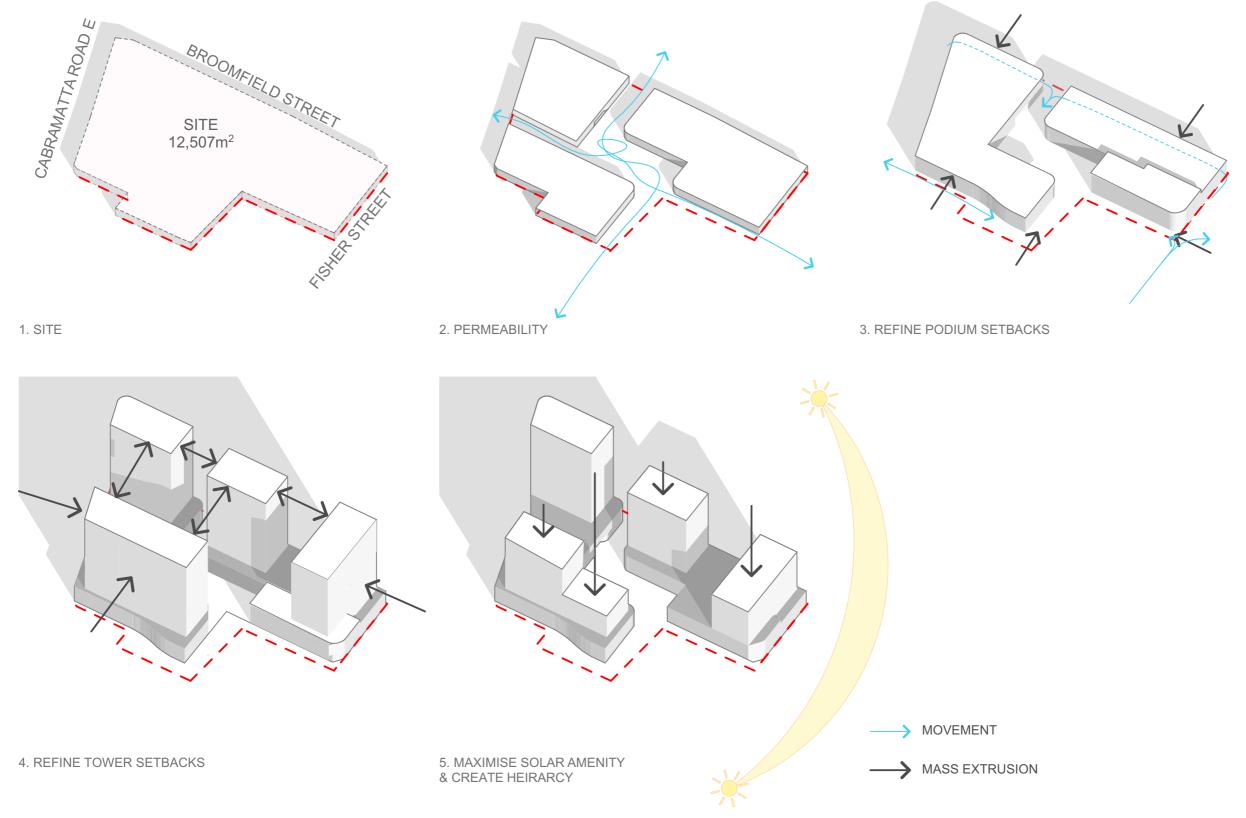


SOLAR GAIN



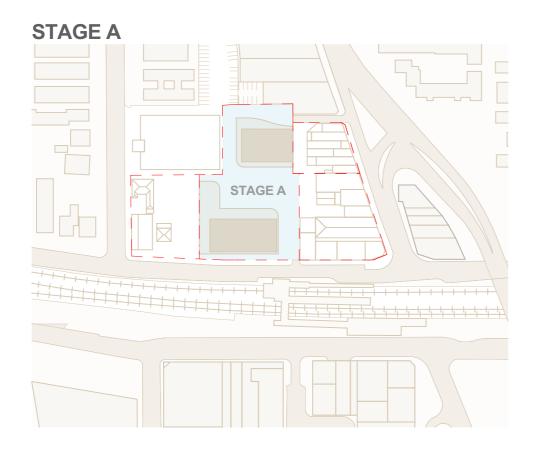


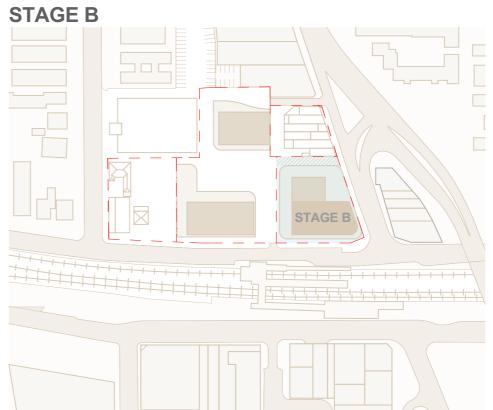
## **MASSING DIAGRAMS**

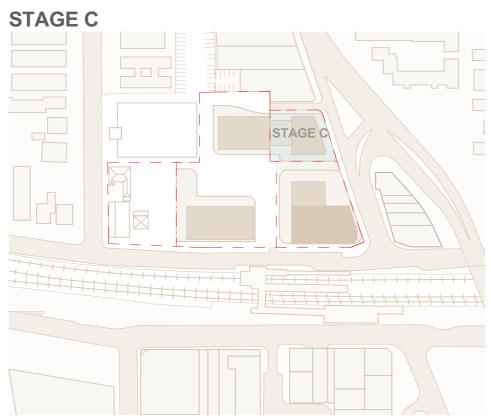


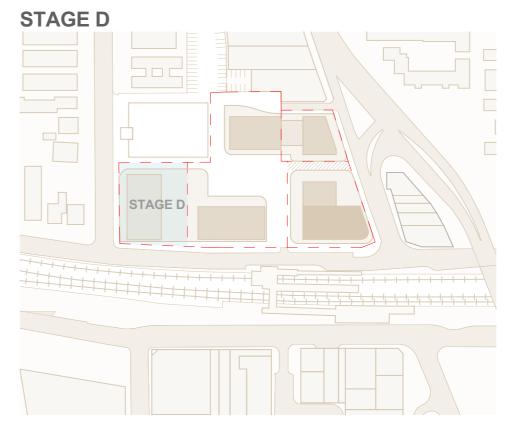






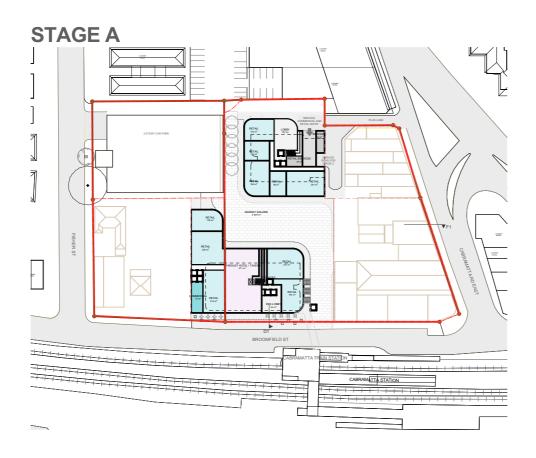


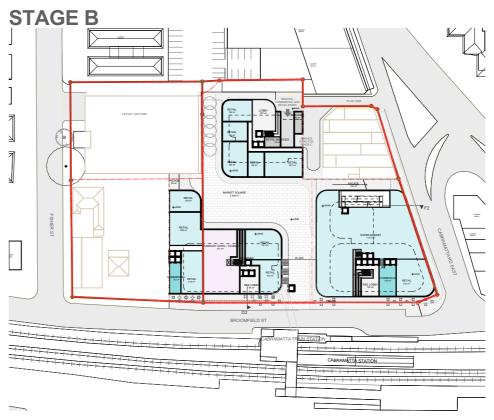


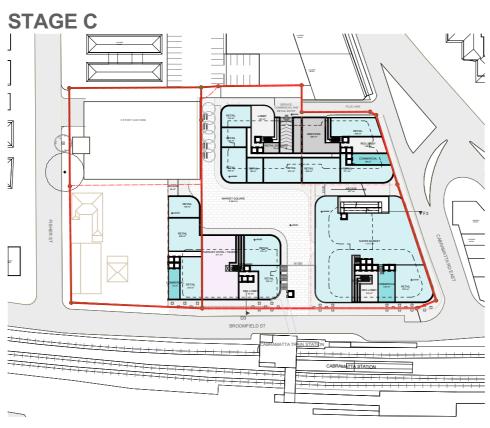


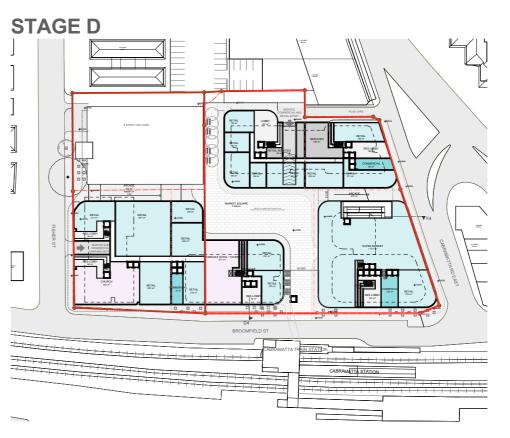












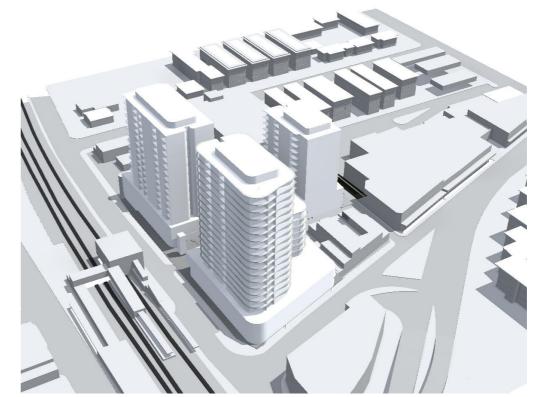




STAGE A



STAGE B



STAGE C



STAGE D



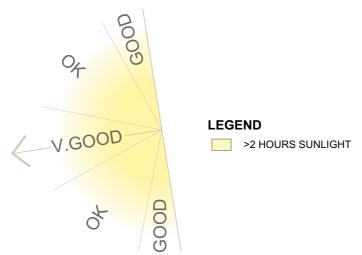


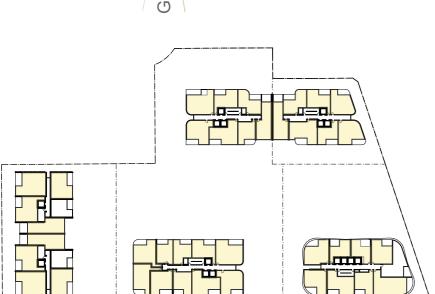
## **SOLAR AMENITY**

#### **TOTAL**

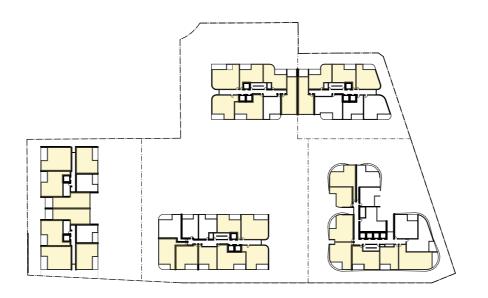
488 OUT OF 593 APARTMENTS HAVE >2 HOUR SOLAR ACCESS.

= 82.2%





LEVEL 8-11 TYPICAL
172 OUT OF 186 APARTMENTS



LEVEL 2 TYPICAL
32 OF 46 APARTMENTS



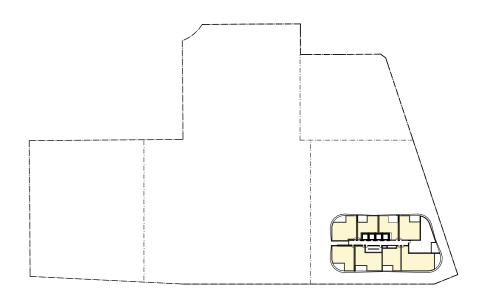
LEVEL 12-15 TYPICAL

100 OUT OF 104 APARTMENTS



LEVEL 3-7 TYPICAL

160 OF 230 APARTMENTS



LEVEL 16-18 TYPICAL
24 OUT OF 27 APARTMENTS





**CROSS VENTILATION + PUBLIC OPEN SPACE** 

## **CROSS VENTILATION** (UP TO LEVEL 7)

#### **TOTAL**

174 OUT OF 276 APARTMENTS CROSS VENTILATED.

= 63.0%

#### **LEGEND**

CROSS VENTILATED

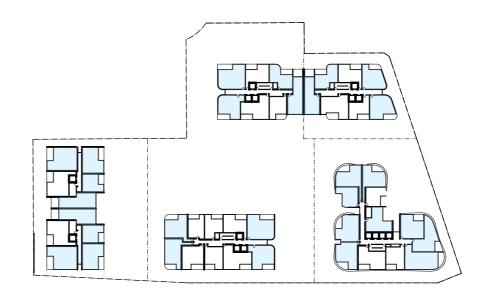
## **PUBLIC OPEN SPACE**

#### **TOTAL**

PUBLIC / PRIVATE OPEN SPACE - 2989 sqm

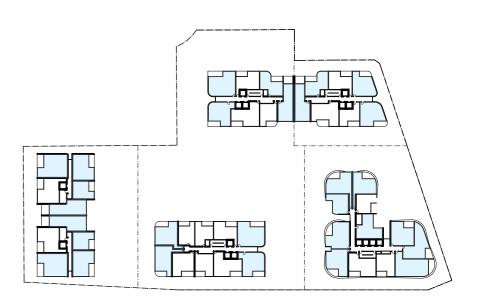
#### **LEGEND**

PUBLIC / PRIVATE OPEN SPACE



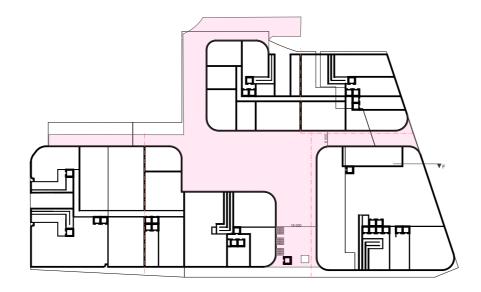
LEVEL 2 TYPICAL

29 OF 46 CROSS VENTILATED



LEVEL 3-7 TYPICAL

145 OF 230 CROSS VENTILATED

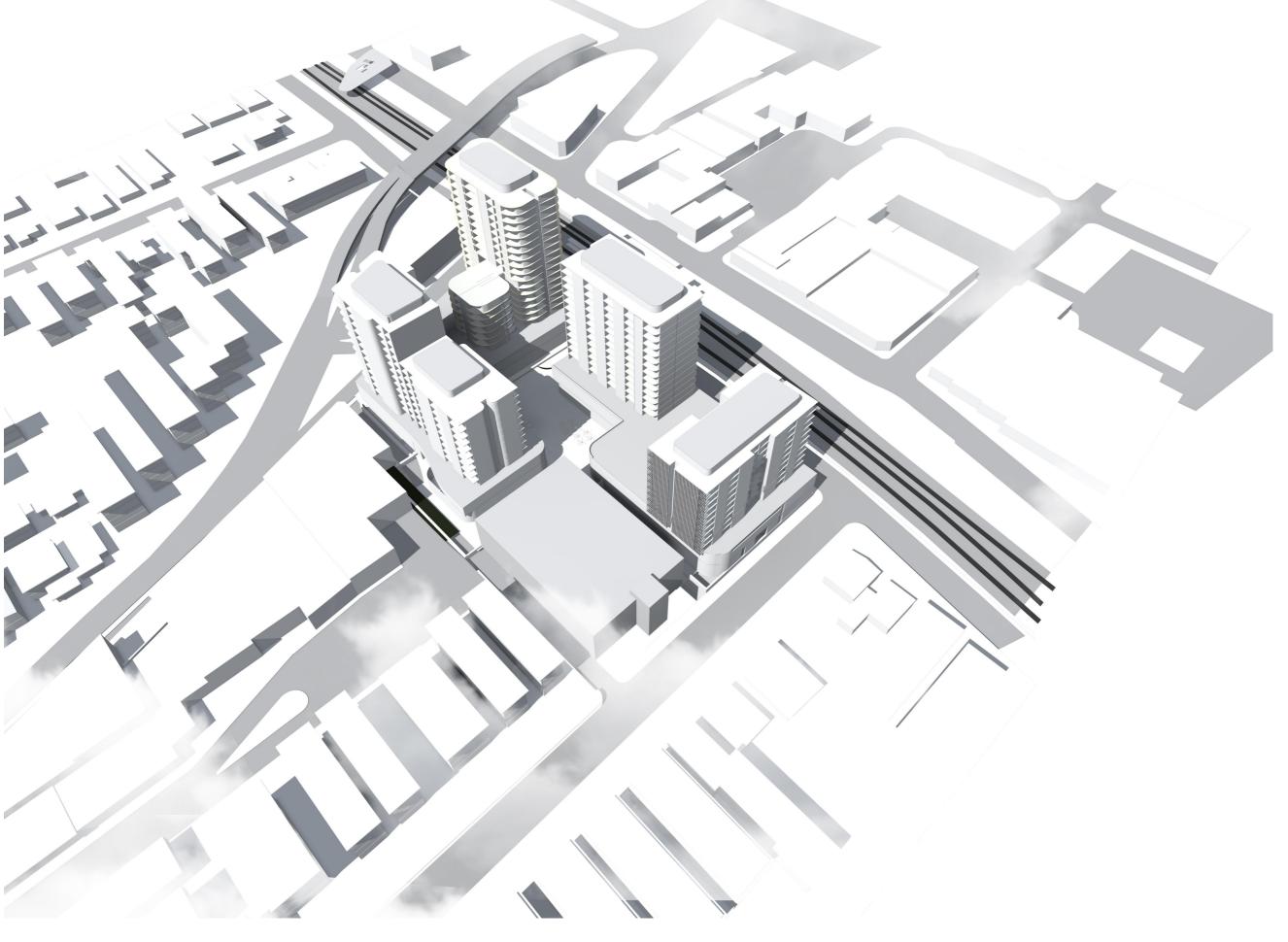


**GROUND FLOOR PLAN** 

PUBLIC / PRIVATE OPEN SPACE









3.10 **RENDER VIEW 01 PROPOSED** 

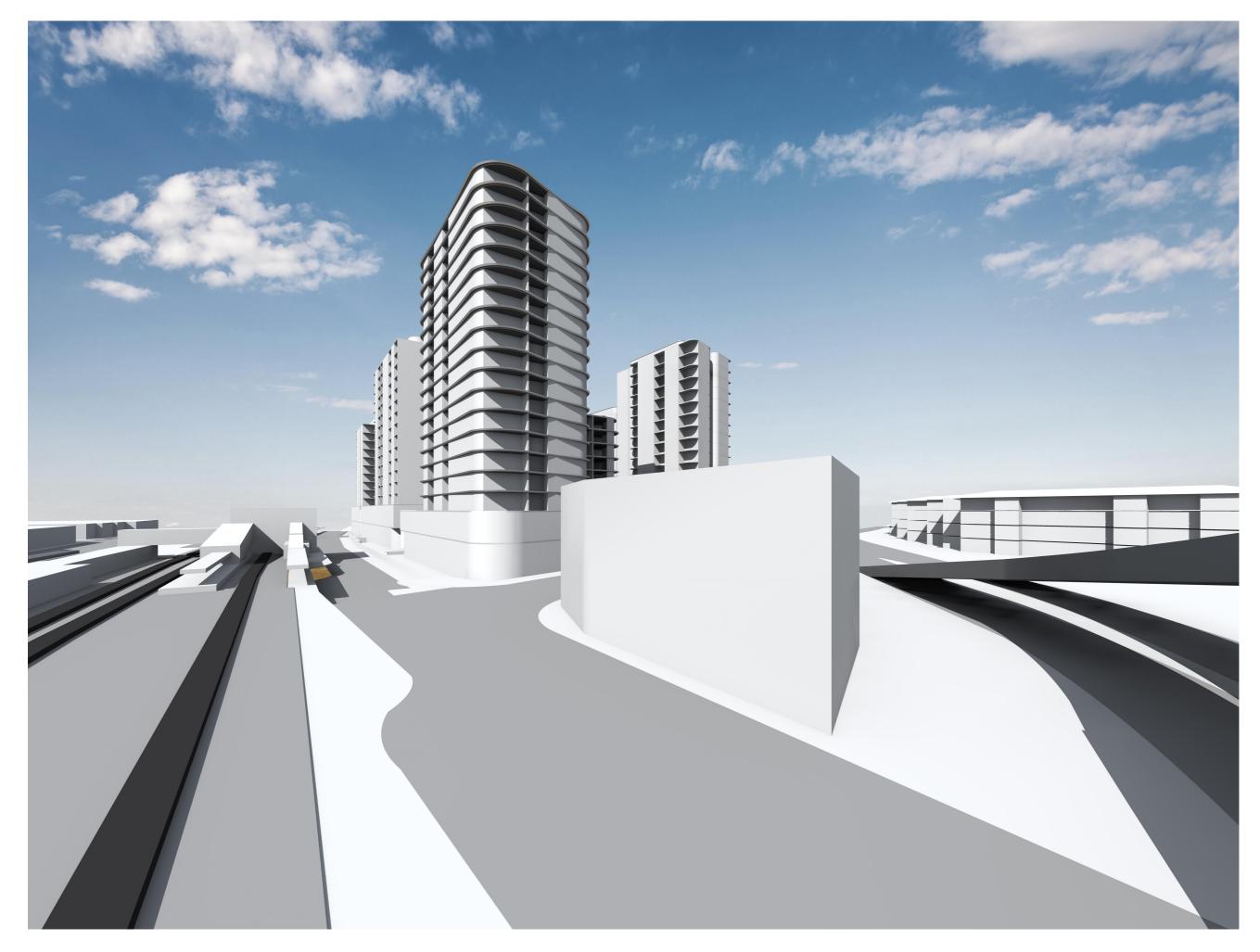








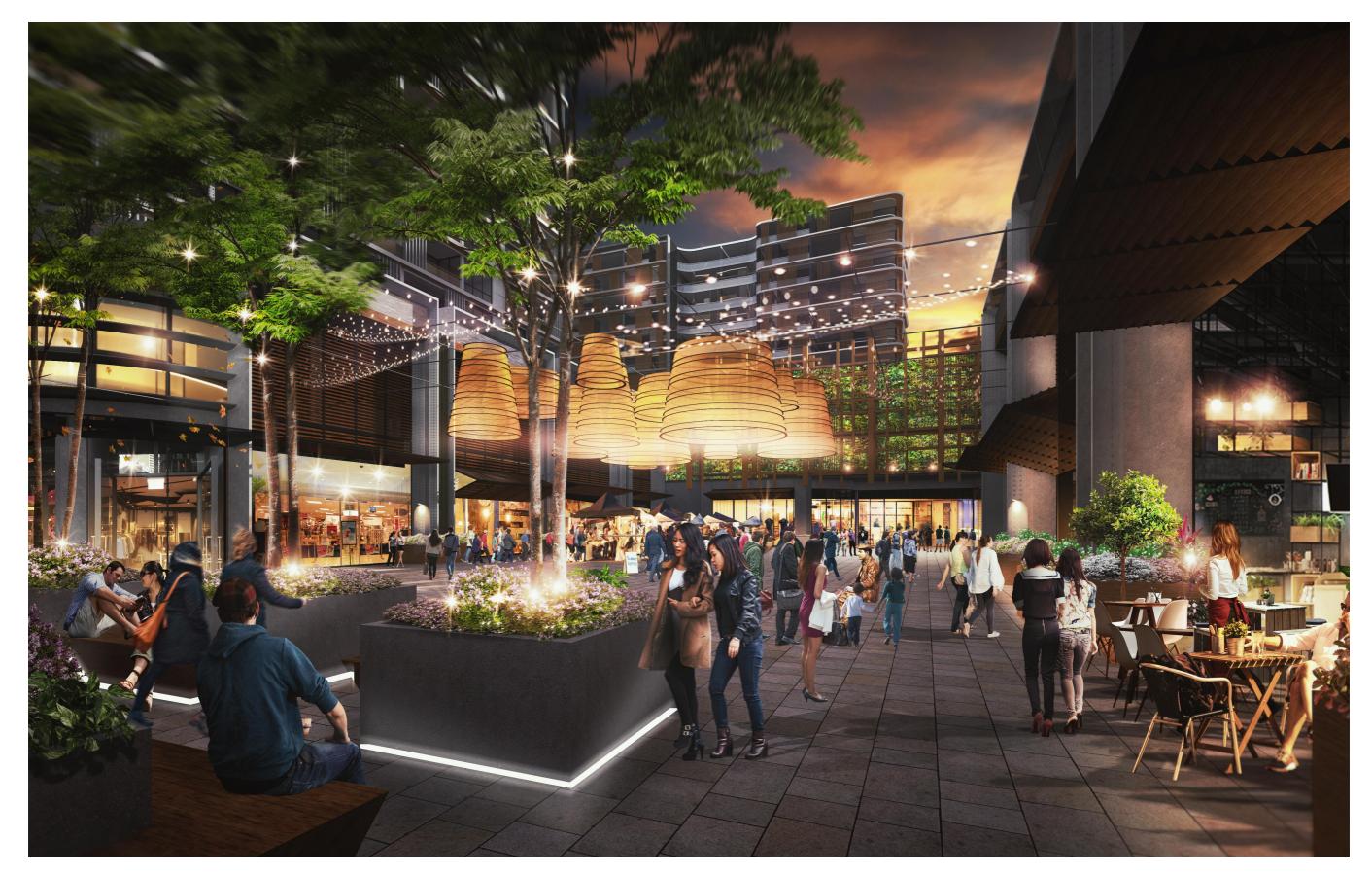














## **ARCHITECTURAL PLANS**























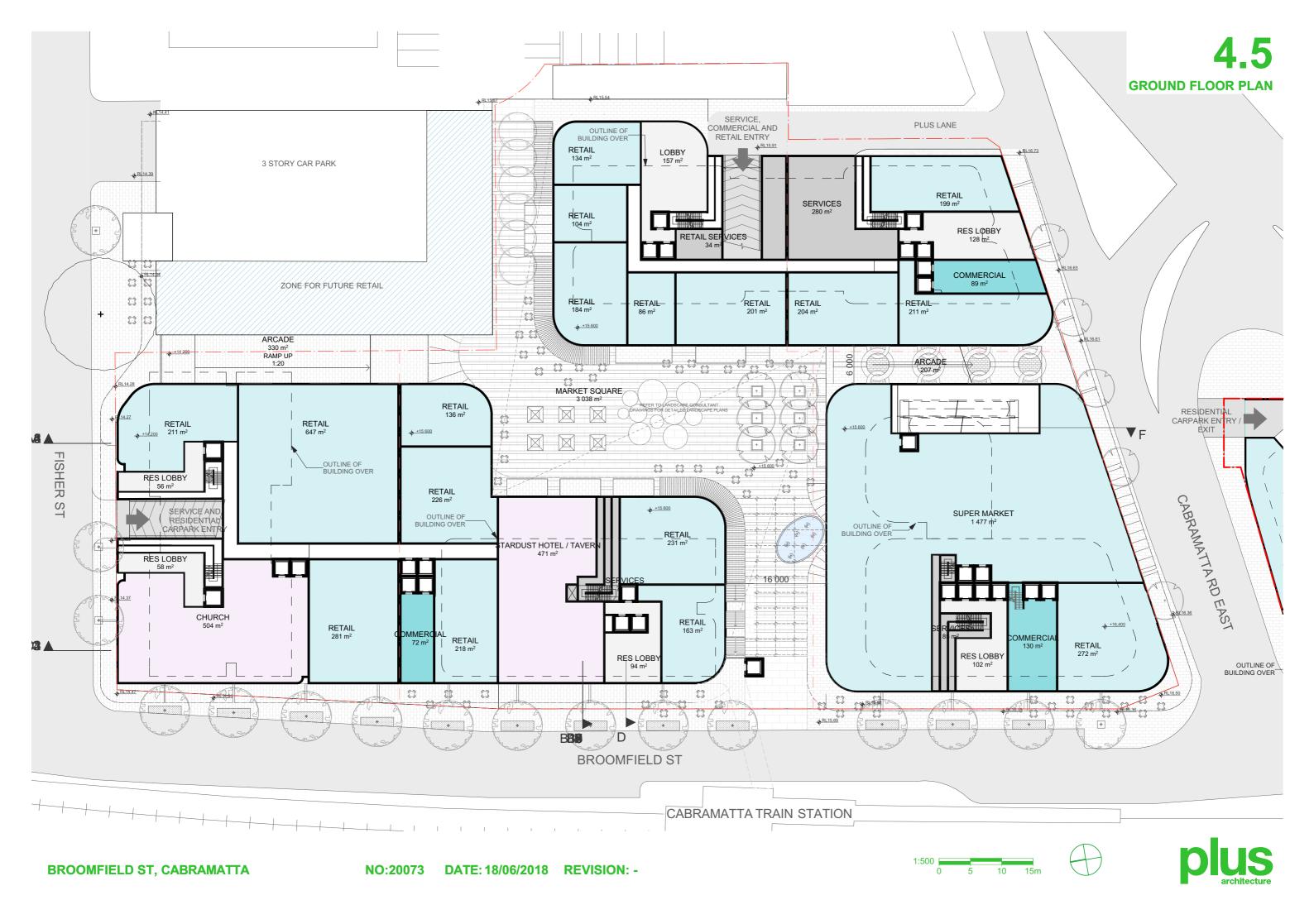








































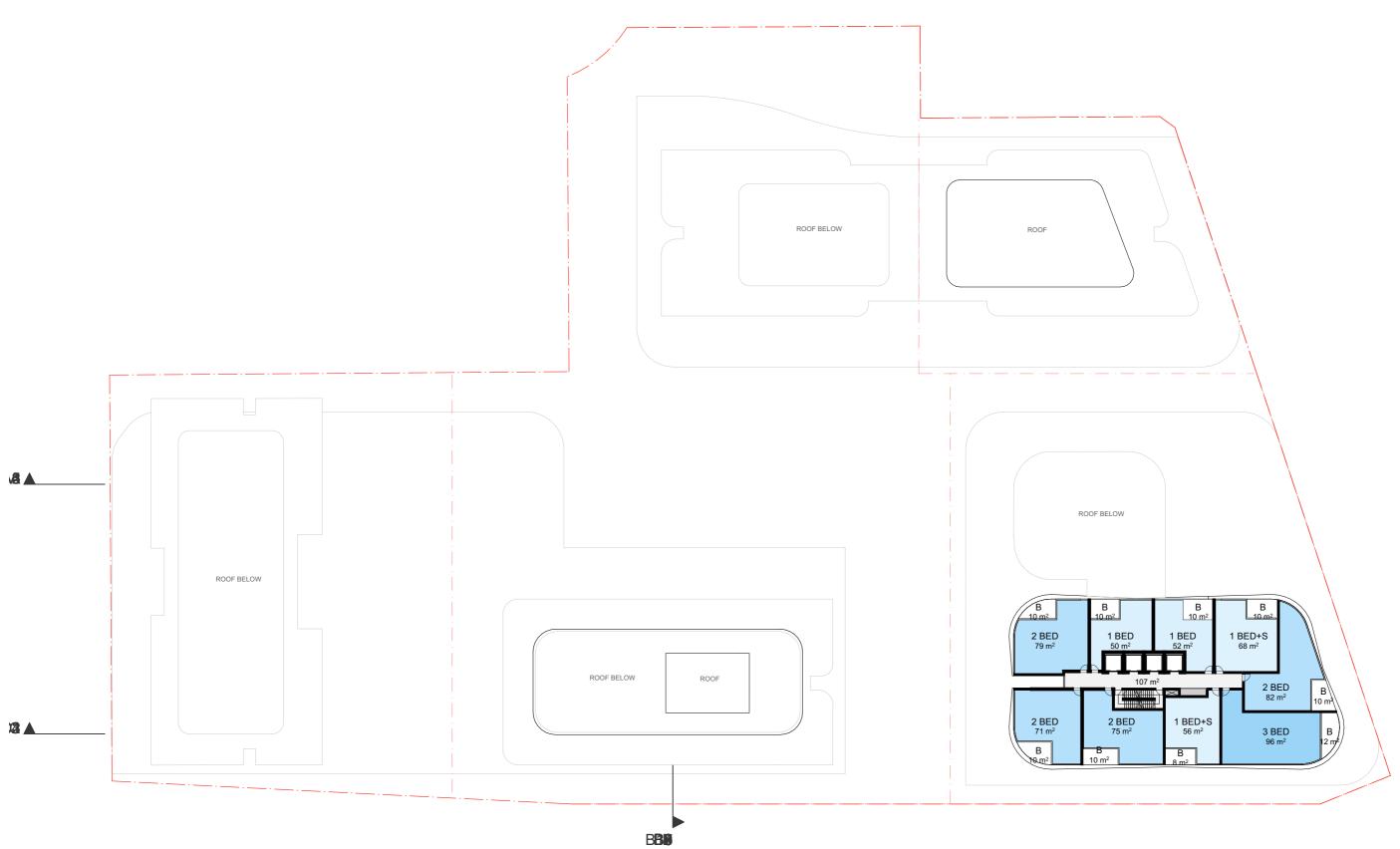






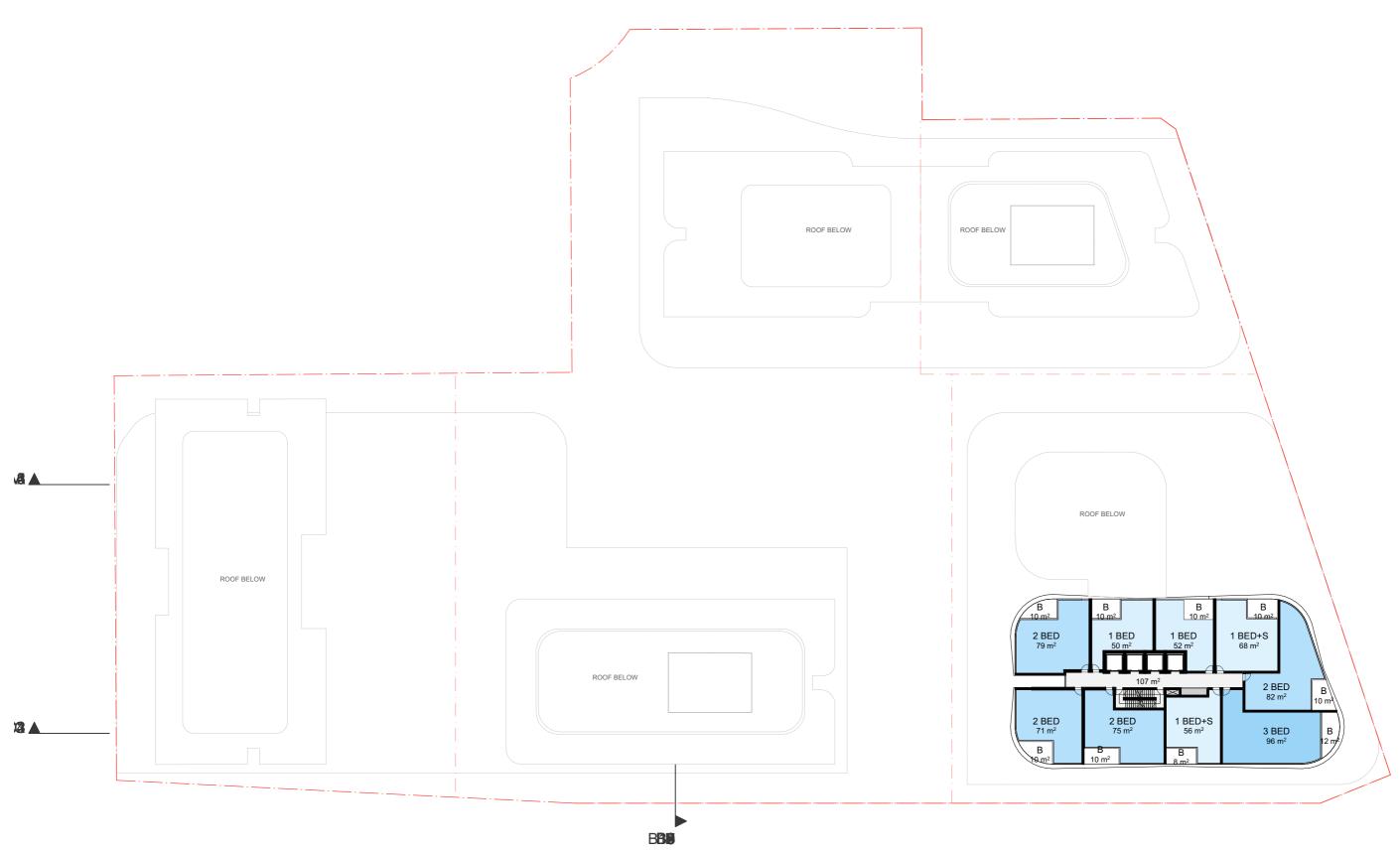








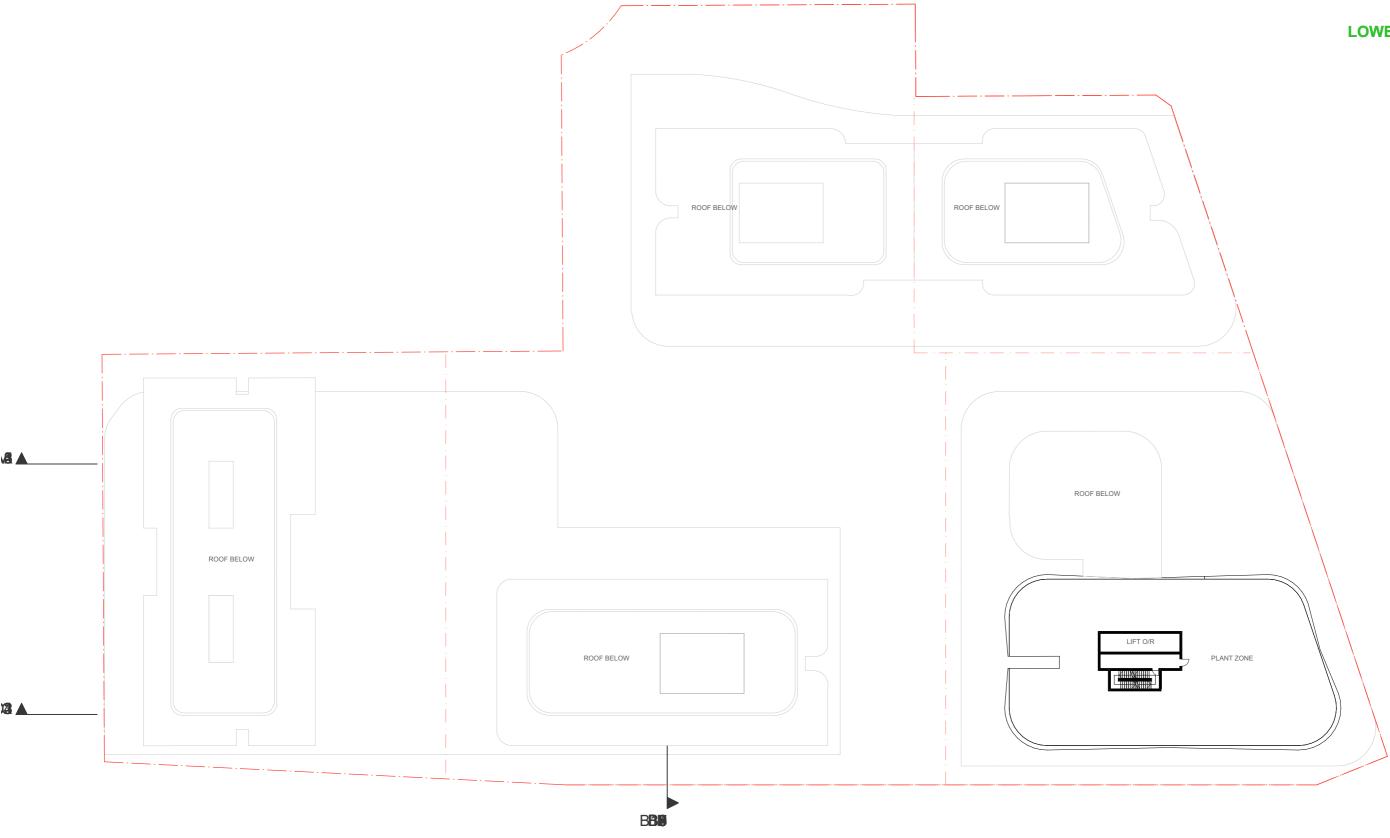






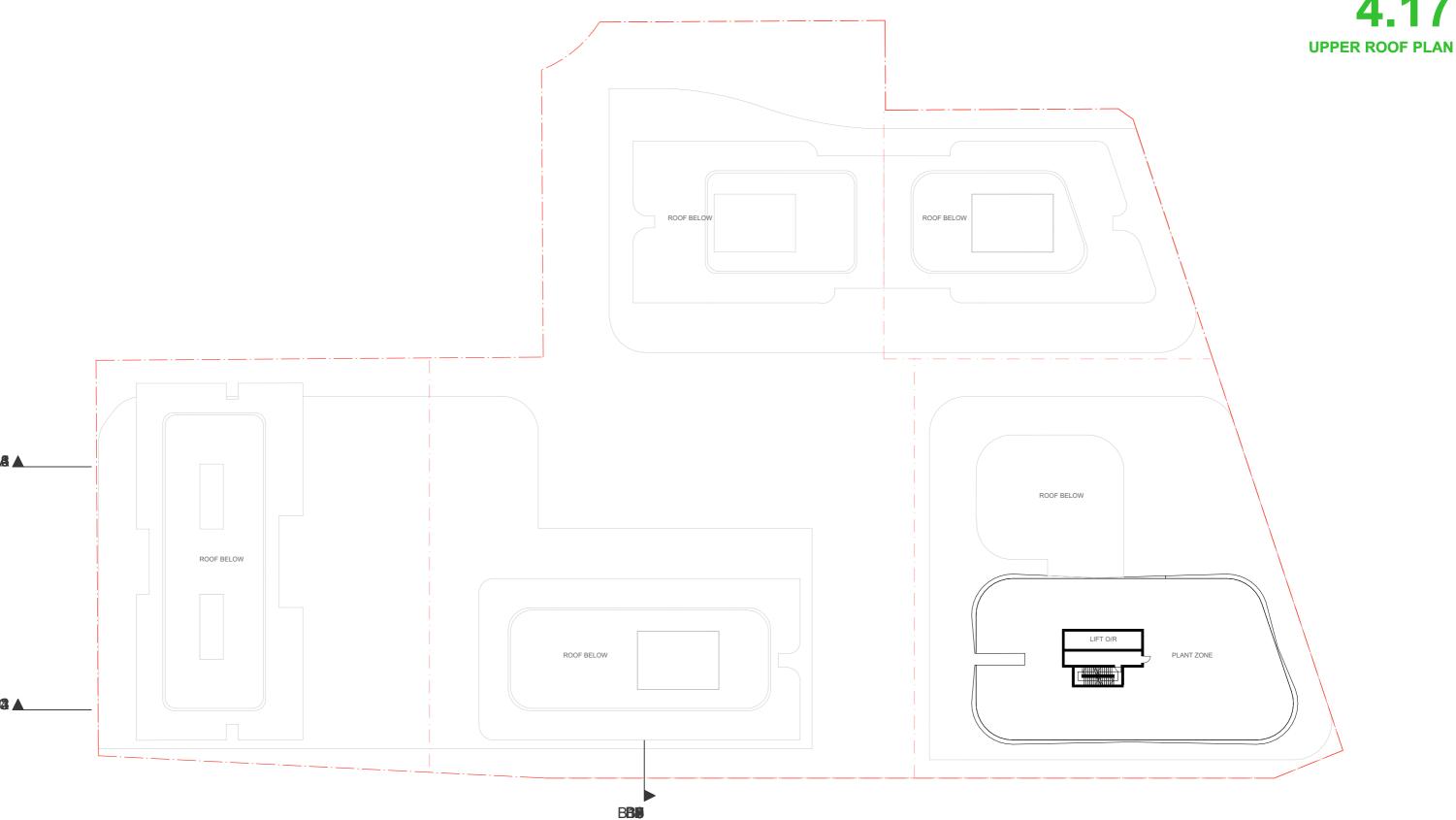














## **DEVELOPMENT SCHEDULE COMBINED SITE**

CABRAMATTA EAST PRECINCT DEVELOPMENT SCHEDULE

Job No File Date 15/06/2018

SITE AREA: (COMBINED SITE) 12507 SQ.M.



	NO	CARPARK Area	SERVICES/CIRC  Area	RETAIL Area	COMMERCIAL	HOTEL / CLUB CHURCH / DAY CARE  Area	Area	50-59sqm 1 Bed	60-69sqm	SIDENTIAL MIX 70-74sqm 2 Bed/1 Bath	75-89sqm 1 2 Bed/2 Bath	90-110sqm 3 Bed	BALCONIES	Sellable area	AREA PER LEVEL (EX BALCONIES) GBA*		FLOOR EFFICEINC (EX CARS & BALCONIES %
Basement 3	357	12425													12425		_
Basement 2	357	12425													12425		
Basement 1	289	12425													12425		
Ground Floor				5187	291	975	0							6453	8801	7628	73.32%
Level 1				551	6721	998	0							8270	8802	8243	93.96%
Level 2							3269	14	1	6	20	5		3269	4167	3727	78.45%
Level 3-8							19614	84	6	36	120	30		19614	25002	22362	78.45%
Level 9-11							9087	42	6	15	51	15		9087	11541	7836	78.74%
Level 12							1788	9	2	4	9	2		1788	2279	2040	78.46%
Level 13							1788	9	2	4	9	2		1788	2279	2040	78.46%
Level 14-15							3576	18	4	8	18	4		3576	4558	4080	78.46%
Level 16							629	3	1	1	3	1		629	789	712	79.72%
Level 17							629	3	1	1	3	1		629	789	712	79.72%
Level 18							629	3	1	1	3	1		629	789	712	79.72%
Totals	1003	37275	0	5738	7018	1973	41009	185	24	76	236	61		55726	107072	60092	
	sqm/car =	37.2								TOTAL AF	PARTMENTS =	582					
								36			41%	10%					
					_			1	209		312	61					

(EX CARS & BALCONIES) %	
73.32%	,
93.96%	
78.45%	
78.45%	
78.74% 78.46%	
78.46%	
78.46%	,
79.72%	
79.72%	
79.72%	

DEVELOPMENT GFA*:	60092 SQ.M.
TOTAL FSR ACHIEVED:	4.80 :1

	REQUIRED	PROVIDED
RESIDENTIAL CAR SPACES (VISITOR INCLUDED)	616	650
RETAIL/COMM CAR SPACES (REDUCED BY 40%)	353	353
PUBLIC CAR SPACES (FISHER ST.)		
T	969	1003

## PARKING RATES FOR SUB-REGIONAL CENTRE

rbea	0.0	Commercial	1.0	per 25sqm at ground level
2bed	0.9		1.0	per 40sqm above ground le
3bed	1.4	Retail	1.0	per 25sqm at ground level
Vicitor	1.0 por dwollin	ac E		

# DEFINITIONS:

GROSS FLOOR AREA AS DEFINED BY COUNCIL FOR THE PURPOSES OF DERIVING A FLOOR SPACE RATIO. TYPICALLY DEFINED AS THE SUM OF THE FLOOR AREA OF A BUILDING MEASURED FROM THE INTERNAL FACE OF EXTERNAL WALLS OR FROM THE INTERNAL FACE OF WALLS SEPARATING THE BUILDING FROM ANY OTHER BUILDING, AND INCLUDES:

\*THE AREA OF A MEZZANINE

\*HABITABLE ROOMS IN A BASEMENT OR ATTIC
\*ANY SHOP, AUDITORIUM, CINEMA, AND THE LIKE IN A BASEMENT OR ATTIC

BUT EXCLUDES:

\*ANY AREA FOR COMMON VERTICAL CIRCULATION INCLUDING LIFTS AND STAIRS

\*ANY BASEMENT STORAGE, VEHICULAR ACCESS, LOADING AREA, GARBAGE AND SERVICES
\*PLANT ROOMS, LIFT TOWERS, AND OTHER AREAS USED EXCLUSIVELY FOR MECHANICAL SERVICES OR DUCTING

\*CARPARKING TO MEET THE REQUIREMENTS OF THE CONSENT AUTHORITY (INCLUDING ACCESS TO THAT PARKING)

\*ANY SPACE USED FOR THE LOADING AND UNLOADING OF GOODS (INCLUDING ACCESS TO IT)

\*TERRACES AND BALCONIES WITH OUTER WALLS LESS THAN 1.4M HIGH \*VOIDS ABOVE A FLOOR AT THE LEVEL OF A STOREY OR STORE ABOVE

DEFINED AS THE SUM OF THE AREA OF EACH FLOORPLATE, MEASURED TO THE EXTERNAL FACE OF FAÇADE WALLS BUT NOT INCLUSIVE OF BALCONIES

DEFINED AS THE PERCENTAGE OF SELLABLE AREA VERSUS GROSS BUILDING AREA



CABRAMATTA EAST PRECINCT DEVELOPMENT SCHEDULE

STAGE A

plus

Job No File Date 15/06/2018

5795 SQ.M.

SITE AREA: (COMBINED SITE)

		CARPARK	SERVICES/CIRC	RETAIL	COMMERCIAL	HOTEL / CLUB			RESIDENTIAL		BALCONIES		AREA PER LEVEL		FLOOR
				1 1		CHURCH / DAY CARE		T	MIX						EFFICEINCY (EX CARS &
	NO	Area	Area	Area	Area	Area	Area	50-59sqm 60-69sqr 1 Bed 1 Bed+		75-89sqm 90-110 2 Bed/2 Bath 3 B		Sellable area	(EX BALCONIES)  GBA*	GFA*	BALCONIES)
Basement 3	153	5795											5795		
Basement 2	153	5795											5795		
Basement 1	122	5795											5795		
Ground Floor				1673	72	471	0					2216	3082	2704	71.90%
Level 1				551	1898	480	0					2929	3082	2900	95.04%
Level 2							1170	7	3	5 2		1170	1501	1348	77.95%
Level 3-8							7020	42	18	30 12		7020	9006	8088	77.95%
Level 9-11							3510	21	9	15 6		3510	4503	4044	77.95%
Level 12							683	4	2	3 1		683	860	776	79.42%
Level 13							683	4	2	3 1		683	860	776	79.42%
Level 14-15							1366	8	4	6 2		1366	1720	1440	79.42%
Level 16															
Level 17															
Level 18															
Totals	428 sqm/car =	17385 40.6	0	2236	1970	951	14432	86 0	TOTAL AF	62 24 ARTMENTS = 21		19577	41999	22076	1
			•					41% <b>86</b>		30% 11°	6				

DEVELOPMENT GFA*:	22076 SQ.M.
TOTAL FSR ACHIEVED:	3.81 :1

		REQUIRED	PROVIDED
RESIDENTIAL CAR SPACES	(VISITOR INCLUDED)	221	242
RETAIL/COMM CAR SPACES	(REDUCED BY 40%)	123	122
PUBLIC CAR SPACES (FISHER	R ST.)		
	Т	3/1/1	36/

#### PARKING RATES FOR SUB-REGIONAL CENTRE

1bed	0.6		Commercial	1.0	per 25sqm at ground level
2bed	0.9			1.0	per 40sqm above ground level
3bed	1.4		Retail	1.0	per 25sqm at ground level
Visitor	1.0	per dwellings 5			

### **DEFINITIONS:**

GROSS FLOOR AREA AS DEFINED BY COUNCIL FOR THE PURPOSES OF DERIVING A FLOOR SPACE RATIO. TYPICALLY DEFINED AS THE SUM OF THE FLOOR AREA OF A BUILDING MEASURED FROM THE INTERNAL FACE OF EXTERNAL WALLS OR FROM THE INTERNAL FACE OF WALLS SEPARATING THE BUILDING FROM ANY OTHER BUILDING, AND INCLUDES:

\*THE AREA OF A MEZZANINE

\*HABITABLE ROOMS IN A BASEMENT OR ATTIC

\*ANY SHOP, AUDITORIUM, CINEMA, AND THE LIKE IN A BASEMENT OR ATTIC

BUT EXCLUDES:

\*ANY AREA FOR COMMON VERTICAL CIRCULATION INCLUDING LIFTS AND STAIRS

\*ANY BASEMENT STORAGE, VEHICULAR ACCESS, LOADING AREA, GARBAGE AND SERVICES

\*PLANT ROOMS, LIFT TOWERS, AND OTHER AREAS USED EXCLUSIVELY FOR MECHANICAL SERVICES OR DUCTING

\*CARPARKING TO MEET THE REQUIREMENTS OF THE CONSENT AUTHORITY (INCLUDING ACCESS TO THAT PARKING)
\*ANY SPACE USED FOR THE LOADING AND UNLOADING OF GOODS (INCLUDING ACCESS TO IT
\*TERRACES AND BALCONIES WITH OUTER WALLS LESS THAN 1.4M HIGH
\*VOIDS ABOVE A FILOOR AT THE LEVEL OF A STOREY OR STORE ABOVE

GBA: DEFINED AS THE SUM OF THE AREA OF EACH FLOORPLATE, MEASURED TO THE EXTERNAL FACE OF FAÇADE WALLS BUT NOT INCLUSIVE OF BALCONIE

DEFINED AS THE PERCENTAGE OF SELLABLE AREA VERSUS GROSS BUILDING ARE/ FLOOR EFFICIENCY:



79.38% 92.16% 78.43% 78.43% 79.72% 79.72% 79.72% 79.72% 79.72% 79.72% 79.72%

CABRAMATTA EAST PRECINCT **DEVELOPMENT SCHEDULE** Job No

STAGE B

plus

File Date 15/06/2018

(COMBINED SITE)

SITE AREA: 2828 SQ.M.

		CARPARK	SERVICES/CIRC	RETAIL	COMMERCIAL	HOTEL / CLUB CHURCH / DAY CARE			RES	SIDENTIAL MIX			BALCONIES		AREA PER LEVEL	
	NO	Area	Area	Area	Area	Area	Area		60-69sqm 1 Bed+S 2	70-74sqm	75-89sqm 2 Bed/2 Bath	90-110sqm 3 Bed	Area	Seliable area	(EX BALCONIES)  GBA*	GFA*
Basement 3	87	2828													2828	
Basement 2	87	2828													2828	
Basement 1	67	2828													2828	
Ground Floor				1749	130									1879	2367	1966
Level 1					2185									2185	2371	2185
Level 2							869	3		2	6	1		869	1108	989
Level 3-8							5214	18		12	36	6		5214	6648	5934
Level 9-11							1887	9	3	3	9	3		1887	2367	2136
Level 12							629	3	1	1	3	1		629	789	712
Level 13							629	3	1	1	3	1		629	789	712
Level 14-15							1258	6	2	2	6	2		1258	1578	1424
Level 16							629	3	1	1	3	1		629	789	712
Level 17			·	·	·		629	3	1	1	3	1	·	629	789	712
Level 18							629	3	1	1	3	1		629	789	712
Totals	241	8484	0	1749	2315	0	12373	51	10	24	72	17		16437	28868	18194
	sqm/car =	35.2								TOTAL AP	ARTMENTS =	174				
								35	1%		41%	10%				

DEVELOPMENT GFA*:	18194 SQ.M.
TOTAL FSR ACHIEVED:	6.43 :1

	REQUIRED	PROVIDED
RESIDENTIAL CAR SPACES (VISITOR INCLUDED)	184	174
RETAIL/COMM CAR SPACES (REDUCED BY 40%)	98	67
PUBLIC CAR SPACES (FISHER ST.)		
	F 282	2/11

#### PARKING RATES FOR SUB-REGIONAL CENTRE

PARKING RAILS I	On SUB-F	TEGIONAL CENTRE			
1bed	0.6		Commercial	1.0	per 25sqm at ground level
2bed	0.9			1.0	per 40sqm above ground level
3bed	1.4		Retail	1.0	per 25sqm at ground level
Vicitor	1.0	por dwollings 5			

### **DEFINITIONS:**

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\*PLANT ROOMS, LIFT TOWERS, AND OTHER AREAS USED EXCLUSIVELY FOR MECHANICAL SERVICES OR DUCTING

\*CARPARKING TO MEET THE REQUIREMENTS OF THE CONSENT AUTHORITY (INCLUDING ACCESS TO THAT PARKING)
\*ANY SPACE USED FOR THE LOADING AND UNLOADING OF GOODS (INCLUDING ACCESS TO IT
\*TERRACES AND BALCONIES WITH OUTER WALLS LESS THAN 1.4M HIGH
\*VOIDS ABOVE A FILOOR AT THE LEVEL OF A STOREY OR STORE ABOVE

GBA: DEFINED AS THE SUM OF THE AREA OF EACH FLOORPLATE, MEASURED TO THE EXTERNAL FACE OF FAÇADE WALLS BUT NOT INCLUSIVE OF BALCONIE

FLOOR EFFICIENCY: DEFINED AS THE PERCENTAGE OF SELLABLE AREA VERSUS GROSS BUILDING AREA



FLOOR EFFICEINCY (EX CARS & BALCONIES) %

59.27% 92.44% 75.56% 75.56% 75.56% 75.56% 75.56% 75.56%

CABRAMATTA EAST PRECINCT DEVELOPMENT SCHEDULE

STAGE C

Job No File Date 15/06/2018

SITE AREA: (COMBINED SITE)

1333 SQ.M.



		CARPARK	SERVICES/CIRC	RETAIL	COMMERCIAL	HOTEL / CLUB				BALCONIES	AREA PER LEVEL					
	NO	Area	Area	Area	Area	CHURCH / DAY CARE  Area	Area		60-69sqm 1 Bed+S 2	70-74sqm 2 Bed/1 Bath	75-89sqm 2 Bed/2 Bath	90-110sqm 3 Bed	Area	Sellable area	(EX BALCONIES)  GBA*	GFA*
Basement 3	40	1333													1333	
Basement 2	40	1333													1333	
Basement 1	34	1333													1333	
Ground Floor				614	89									703	1186	1186
Level 1					1100									1100	1190	1100
Level 2							476	2	1	1	3			476	630	552
Level 3-8							2856	12	6	6	18			2856	3780	3312
Level 9-11							1428	6	3	3	9			1428	1890	1656
Level 12							476	2	1	1	3			476	630	552
Level 13							476	2	1	1	3			476	630	552
Level 14-15							952	4	2	2	6			952	1260	1104
Level 16																•
Level 17																
Level 18																
Totals	114	3999	0	614	1189	0	6664	28	14	14	42	0		8467	15195	10014
	sqm/car =	35.1								TOTAL A	PARTMENTS =	98				
								43	% 42		43%	0%				

DEVELOPMENT GFA*:	10014 SQ.M.
TOTAL FSR ACHIEVED:	7.51 :1

	REQUIRED	PROVIDED
RESIDENTIAL CAR SPACES (VISITOR INCLUDED)	97	80
RETAIL/COMM CAR SPACES (REDUCED BY 40%)	43	34
PUBLIC CAR SPACES (FISHER ST.)		
Т	140	114

#### PARKING RATES FOR SUB-REGIONAL CENTRE

1bed	0.6	Commercial	1.0	per 25sqm at ground level
2bed	0.9		1.0	per 40sqm above ground leve
3bed	1.4	Retail	1.0	per 25sqm at ground level
Vicitor	1.0 per dwellings 5			

### DEFINITIONS:

GROSS FLOOR AREA AS DEFINED BY COUNCIL FOR THE PURPOSES OF DERIVING A FLOOR SPACE RATIO. TYPICALLY DEFINED AS THE SUM OF THE FLOOR AREA OF A BUILDING MEASURED FROM THE INTERNAL

FACE OF EXTERNAL WALLS OR FROM THE INTERNAL FACE OF WALLS SEPARATING THE BUILDING FROM ANY OTHER BUILDING, AND INCLUDES:
\*THE AREA OF A MEZZANINE

\*HABITABLE ROOMS IN A BASEMENT OR ATTIC
\*ANY SHOP, AUDITORIUM, CINEMA, AND THE LIKE IN A BASEMENT OR ATTIC

BUT EXCLUDES: \*ANY AREA FOR COMMON VERTICAL CIRCULATION INCLUDING LIFTS AND STAIRS

\*ANY BASEMENT STORAGE, VEHICULAR ACCESS, LOADING AREA, GARBAGE AND SERVICES
\*PLANT ROOMS, LIFT TOWERS, AND OTHER AREAS USED EXCLUSIVELY FOR MECHANICAL SERVICES OR DUCTING

\*CARPARKING TO MEET THE REQUIREMENTS OF THE CONSENT AUTHORITY (INCLUDING ACCESS TO THAT PARKING)

\*ANY SPACE USED FOR THE LOADING AND UNLOADING OF GOODS (INCLUDING ACCESS TO IT) \*TERRACES AND BALCONIES WITH OUTER WALLS LESS THAN 1.4M HIGH

\*VOIDS ABOVE A FLOOR AT THE LEVEL OF A STOREY OR STORE ABOVE

DEFINED AS THE SUM OF THE AREA OF EACH FLOORPLATE, MEASURED TO THE EXTERNAL FACE OF FAÇADE WALLS BUT NOT INCLUSIVE OF BALCONIES

FLOOR EFFICIENCY: DEFINED AS THE PERCENTAGE OF SELLABLE AREA VERSUS GROSS BUILDING AREA



EFFICEINCY (EX CARS & BALCONIES)

75.92% 95.51% 81.25% 81.25% 81.25%

CABRAMATTA EAST PRECINCT DEVELOPMENT SCHEDULE

STAGE D

plus

Job No File Date 15/06/2018

2469 SQ.M.

SITE AREA:

(COMBINED SITE)

		CARPARK	050/1050/0100	DETAIL	COMMERCIAL	HOTEL (OLUB		RESIDE	-117(4)		DAL CONIEC		AREA PER LEVEL	
		CARPARK	SERVICES/CIRC	RETAIL	COMMERCIAL	HOTEL / CLUB CHURCH / DAY CARE		RESIDE	MIX		BALCONIES		AREA PER LEVEL	
						1			0-74sqm 75-89sqm	90-110sqm			(EX BALCONIES)	
	NO	Area	Area	Area	Area	Area	Area	1 Bed   1 Bed+S   2 B	ed/1 Bath 2 Bed/2 Bat	th 3 Bed	Area	Sellable area	GBA*	GFA*
Basement 3	77	2469											2469	
Basement 2	77	2469											2469	
Basement 1	66	2469											2469	
Ground Floor				1139		504						1643	2164	1186
Level 1					1544	518						2062	2159	1100
Level 2							754	2	6	2		754	928	838
Level 3-8							4524	12	36	12		4524	5568	5028
Level 9-11							2262	6	18	6		2262	2784	1656
Level 12														
Level 13														
Level 14-15														
Level 16														
Level 17														
Level 18 Totals	220	7407	0	1139	1544	1022	7540	20 0	0 60	20		11245	21010	9808
	sqm/car =	33.7							TOTAL APARTMENTS				2.0.0	
	-							20%	60%	20%				
								20	60	20				

DEVELOPMENT GFA*:	9808 SQ.M.
TOTAL FSR ACHIEVED:	3.97 :1

	REQUIRED	PROVIDED
RESIDENTIAL CAR SPACES (VISITOR INCLUDED)	114	154
RETAIL/COMM CAR SPACES (REDUCED BY 40%)	89	66
PUBLIC CAR SPACES (FISHER ST.)		
T	203	220

#### PARKING RATES FOR SUB-REGIONAL CENTRE

1bed	0.6		Commercial	1.0	per 25sqm at ground level
2bed	0.9			1.0	per 40sqm above ground level
3bed	1.4		Retail	1.0	per 25sqm at ground level
Visitor	1.0	per dwellings 5			

#### **DEFINITIONS:**

GROSS FLOOR AREA AS DEFINED BY COUNCIL FOR THE PURPOSES OF DERIVING A FLOOR SPACE RATIO. TYPICALLY DEFINED AS THE SUM OF THE FLOOR AREA OF A BUILDING MEASURED FROM THE INTERNAL FACE OF EXTERNAL WALLS OR FROM THE INTERNAL FACE OF WALLS SEPARATING THE BUILDING FROM ANY OTHER BUILDING, AND INCLUDES:

\*THE AREA OF A MEZZANINE

\*HABITABLE ROOMS IN A BASSEMENT OR ATTIC

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BUT EXCLUDES:

\*ANY AREA FOR COMMON VERTICAL CIRCULATION INCLUDING LIFTS AND STAIRS

\*ANY BASEMENT STORAGE, VEHICULAR ACCESS, LOADING AREA, GARBAGE AND SERVICES

 ${}^{\star}\mathsf{PLANT}\;\mathsf{ROOMS}, \mathsf{LIFT}\;\mathsf{TOWERS}, \mathsf{AND}\;\mathsf{OTHER}\;\mathsf{AREAS}\;\mathsf{USED}\;\mathsf{EXCLUSIVELY}\;\mathsf{FOR}\;\mathsf{MECHANICAL}\;\mathsf{SERVICES}\;\mathsf{OR}\;\mathsf{DUCTING}$ 

\*CARPARKING TO MEET THE REQUIREMENTS OF THE CONSENT AUTHORITY (INCLUDING ACCESS TO THAT PARKING)

\*ANY SPACE USED FOR THE LOADING AND UNLOADING OF GOODS (INCLUDING ACCESS TO IT)

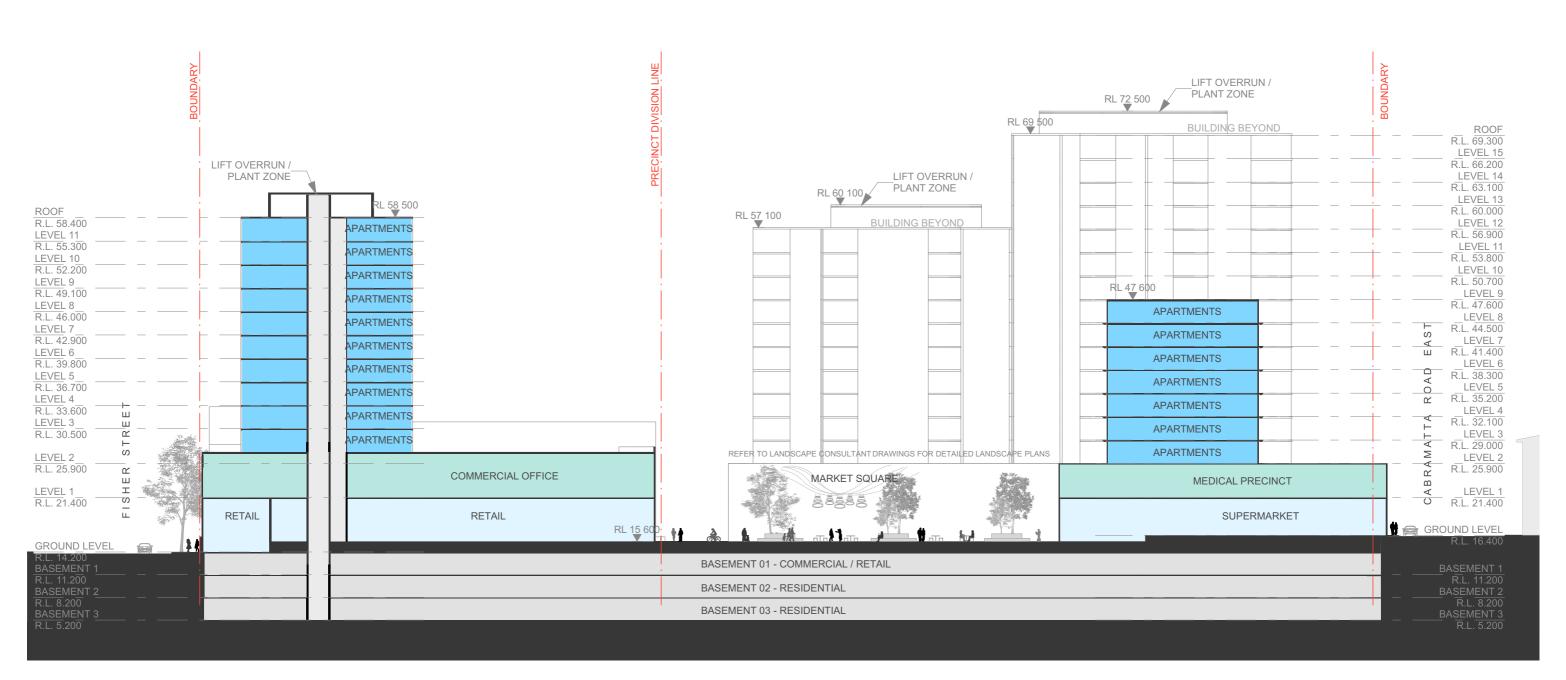
\*TERRACES AND BALCONIES WITH OUTER WALLS LESS THAN I.4M HIGH

\*VOIDS ABOVE A FLOOR AT THE LEVEL OF A STOREY OR STORE ABOVE

GBA:  $\textbf{DEFINED AS THE SUM OF THE AREA OF EACH FLOORPLATE, MEASURED TO THE EXTERNAL FACE OF FAÇADE WALLS BUT NOT INCLUSIVE OF BALCONIES \\$ 

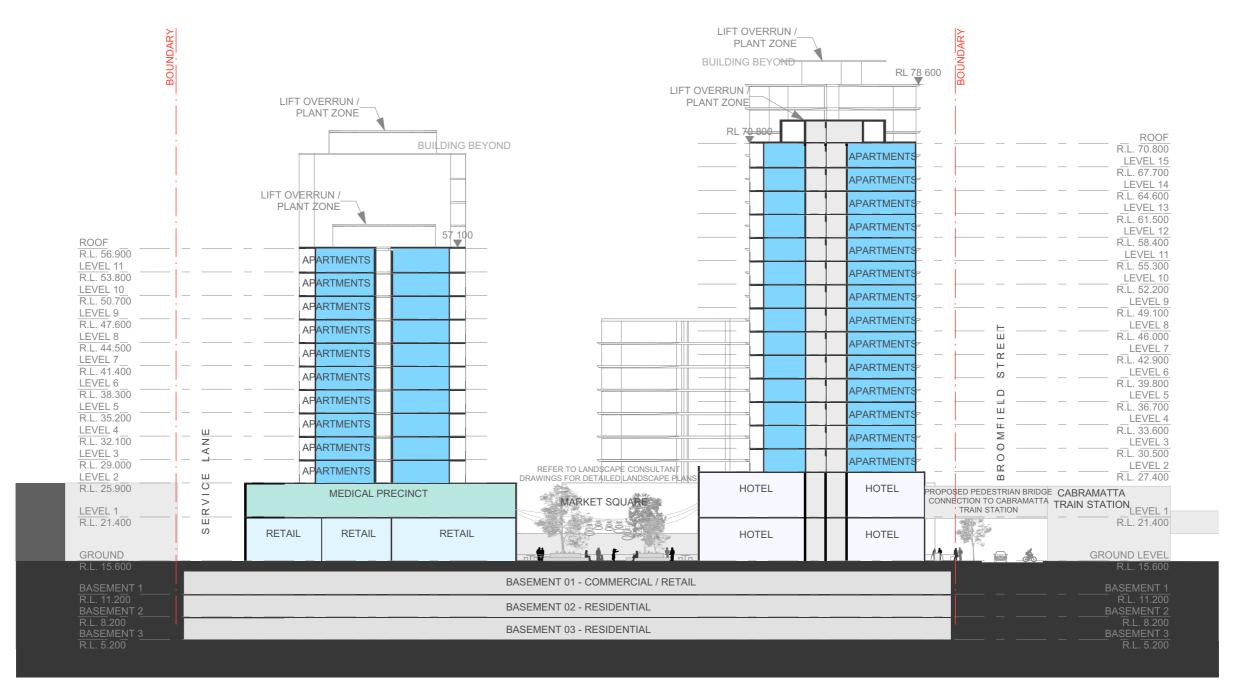
FLOOR EFFICIENCY: DEFINED AS THE PERCENTAGE OF SELLABLE AREA VERSUS GROSS BUILDING AREA





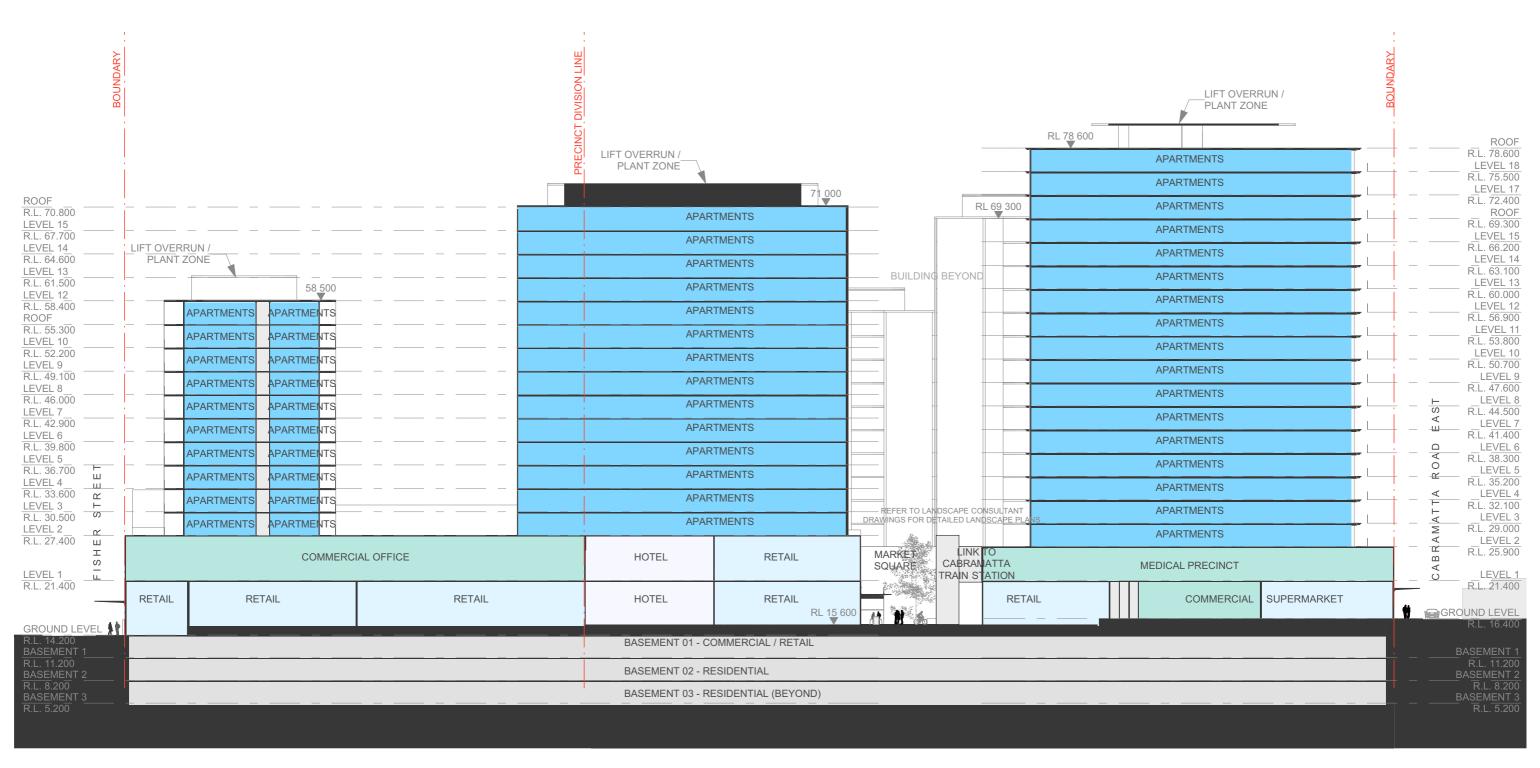
**SECTION A 1:500** 





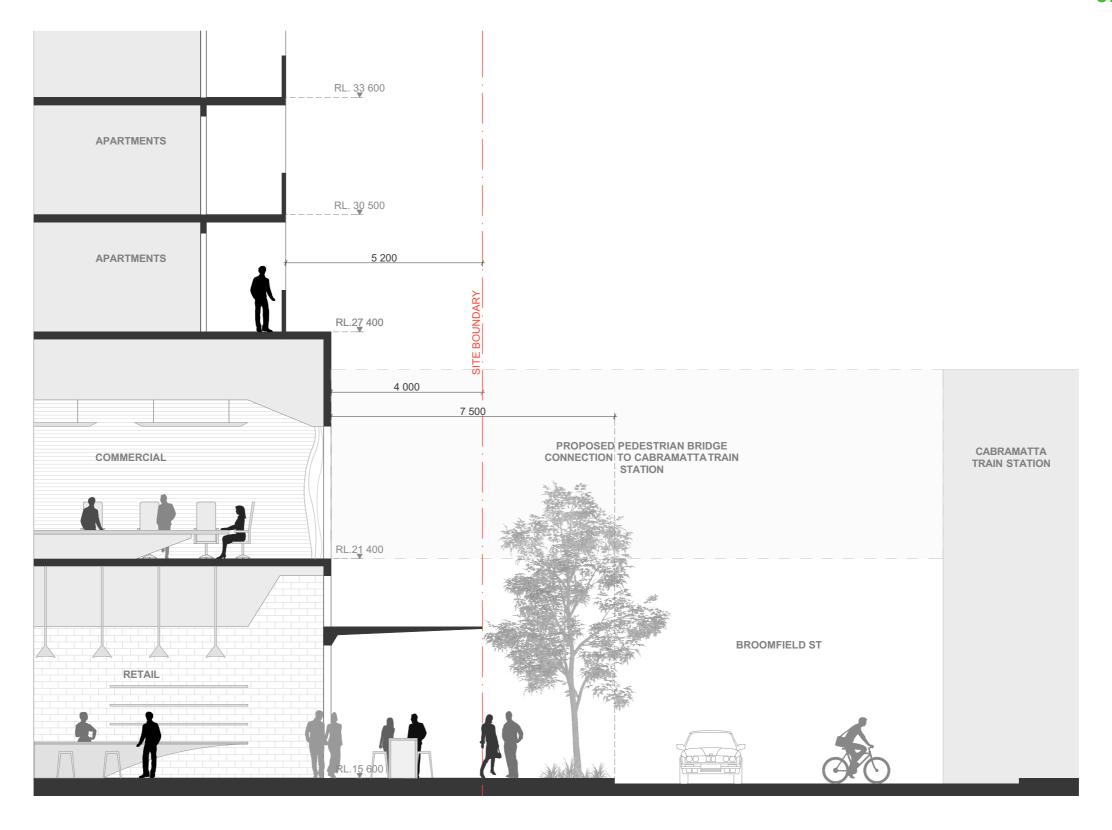
**SECTION B 1:500** 





**SECTION C 1:500** 

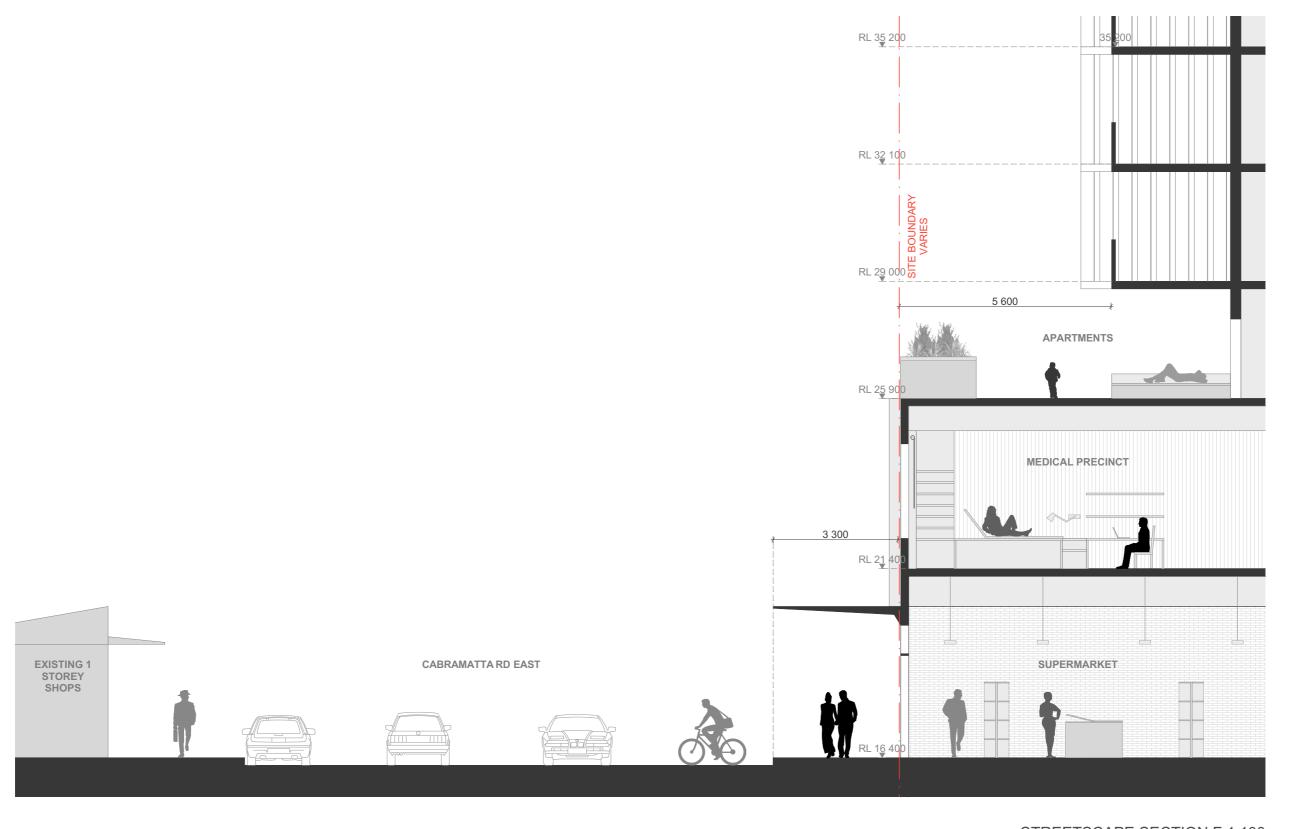




STREETSCAPE SECTION D 1:100



# STREETSCAPE SECTION F



STREETSCAPE SECTION F 1:100



**SHADOW STUDY** 



