

Ascui & Co. Architects



Multi Use Development 160 Whitehorse Road, Blackburn

TOWN PLANNING SUBMISSION
DATE: 24/05/2019

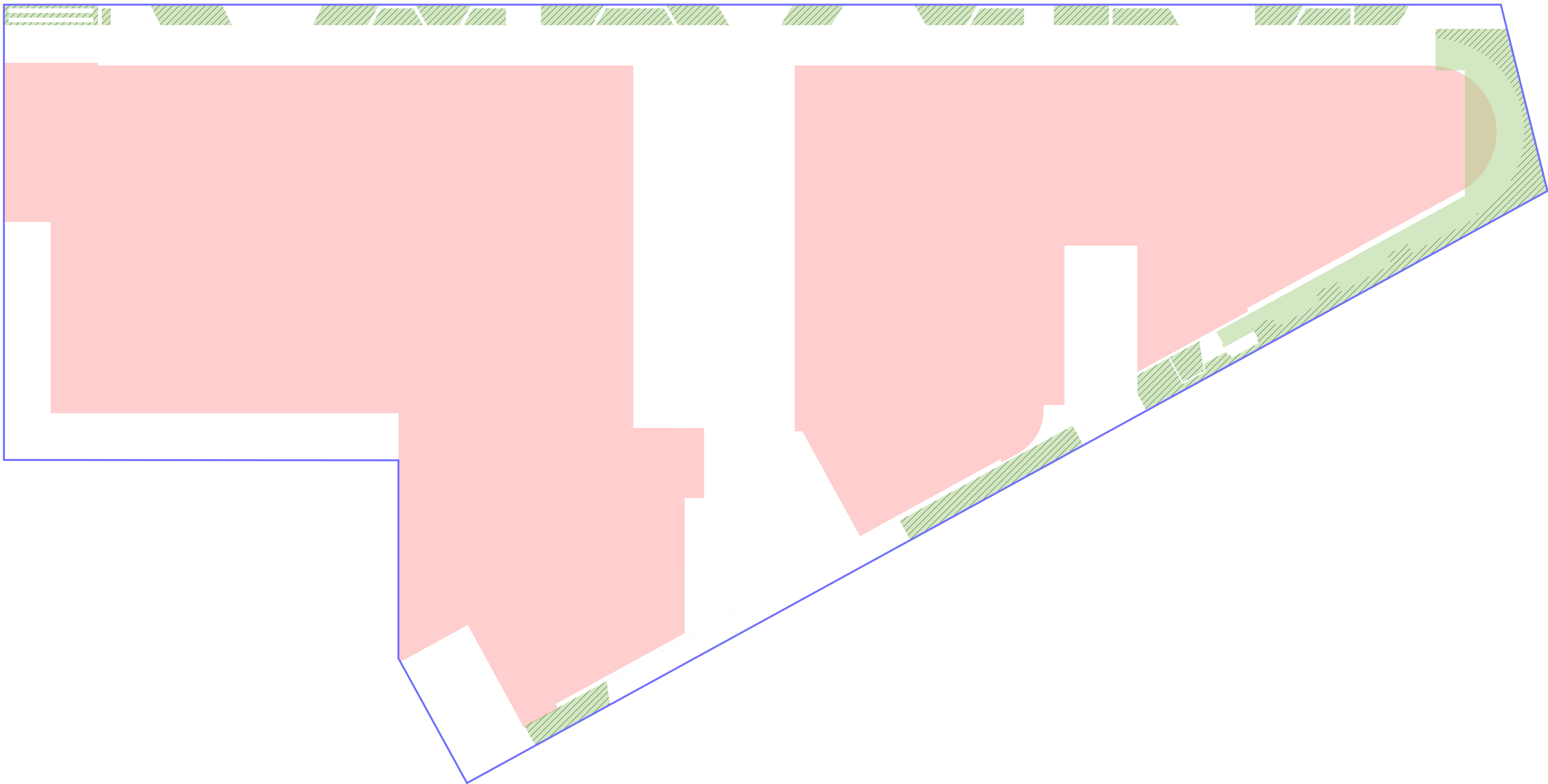
DRAWING SCHEDULE

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AREA CALCULATIONS

TOTAL AREA	- 8767 m ²
SITE COVERAGE	- 5657 m ² 65%
PERMEABILITY	- 409 m ² 5%
DEEP SOIL AREA	- 577 m ² 6.6%



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REV No.	AMENDMENTS / ISSUE	DRAWN
B	RFI AMENDMENT	MS/TJ

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DRAWING
DRAWING SCHEDULE

PROJECT
MULTI USE DEVELOPMENT
160 WHITEHORSE ROAD
BLACKBURN

Ascui & Co.
Architects

SCALE
1:300 @ A1

DRAWN
MS & TJ

TOWN
PLANNING

DATE
24/05/2019

JOB No.

1563

DRAWING No.

TP-01

REV No.

B

DEVELOPMENT SUMMARY

APARTMENT TYPES			
TYPE	No	ADAPT	APT. INT ST.
TYPE A	40	Y	9.0
TYPE AA	1		10.0
TYPE B	2		9.0
TYPE BB	2	Y	10.7
TYPE C	3		6.3
TYPE CC	2		9.4
TYPE D	12	Y	9.4
TYPE DD	2		9.2
TYPE E	25	Y	9.4
TYPE EE	3	Y	12.2
TYPE F	10	Y	7.1
TYPE FF	6	Y	11.7
TYPE G	3		9.0
TYPE GG	3		10.5
TYPE H	3		10.1
TYPE HH	1		6.0
TYPE I	3		15.0
TYPE II	1	Y	10.6
TYPE J	3		19.1
TYPE JJ	1		11.2
TYPE K	6		15.6
TYPE KK	1		13.5
TYPE L	3		17.7
TYPE LL	3	Y	6.1
TYPE M	4		6.8
TYPE MM	3	Y	6.4
TYPE N	4		6.4
TYPE NN	3	Y	6.3
TYPE O	1		9.1
TYPE P	3		10.9
TYPE Q	7	Y	9.0
TYPE R	4		7.2
TYPE S	1		9.6
TYPE T	1		7.1
TYPE U	1		6.7
TYPE V	1		10.6
TYPE W	3		6.8
TYPE X	3		9.5
TYPE Y	2		6.1
TYPE Z	7	Y	12.1
187			

APARTMENT CATEGORIES		
AREAS - (BUILDING B)		
1 BED - 1 BATH	17	
2 BED - 1 BATH	15	
2 BED - 2 BATH	30	
		62
AREAS - (BUILDING C)		
1 BED - 1 BATH	11	
2 BED - 1 BATH	17	
2 BED - 2 BATH	23	
3 BED - 2 BATH	6	
		57
AREAS - (BUILDING D)		
1 BED - 1 BATH	25	
2 BED - 2 BATH	37	
3 BED - 2 BATH	6	
		68
		187
CATEGORIES (TOTAL)		
1 BED - 1 BATH		53
2 BED - 1 BATH		
		32
2 BED - 2 BATH		90
3 BED - 2 BATH		12
		38
TERRACE		225

TOTAL NO. OF D17 ACCESSIBLE APARTMENTS	122 (65%)
TOTAL NO. OF D27 NATURAL VENTILATION	76 (40%)

OFFICE TENANCY		
GROUND		
OFFICE AREA	2374.5	
LEVEL 1		
OFFICE AREA	1856.8	
LEVEL 2		
OFFICE AREA	1904.0	
LEVEL 3		
OFFICE AREA	1893.6	
LEVEL 4		
OFFICE AREA	1898.2	
LEVEL 5		
OFFICE AREA	1870.3	
		11797.4 m²
COMMERCIAL TENANCY		
BASEMENT 1		
ALDI	RETAIL	1685.9
B01	RETAIL	168.6
		1854.5 m²
GROUND		
G01	RETAIL	175.9
G02	RETAIL	134.6
G03	RETAIL	143.8
G04	RETAIL	201.5
G05	RETAIL	562.7
G06	RETAIL	175.6
G07	RETAIL	160.2
G08	RETAIL	135.0
G09	RETAIL	104.7
G10	RETAIL	120.3
G11	RETAIL	104.1
G12	RETAIL	136.2
		2154.6 m²
		4009.1 m²

CAR BAY SCHEDULE		
BASEMENT 5		
OFFICE (O)	90	
		90
BASEMENT 4		
OFFICE (O)	87	
		87
BASEMENT 3		
OFFICE (O)	60	
RESIDENT PARKING (RES)	150	
		210
BASEMENT 2		
OFFICE (O)	60	
RESIDENT PARKING (RES)	54	
RESIDENTIAL VISITORS (VIS)	13	
RETAIL CUSTOMERS (RC)	66	
RETAIL STAFF (RS)	24	
		217
BASEMENT 1		
ALDI (A)	65	
OFFICE (O)	56	
		121
		725
CAR BAY SCHEDULE (TOTAL)		
CATORGORY	REQUIRED	PROV.
ALDI (A)	84	65
OFFICE (O)	358	353
RESIDENT PARKING (RES)	200	204
RESIDENTIAL VISITORS (VIS)	0	13
RETAIL CUSTOMERS (RC)	(TOTAL RETAIL BAYS REQ. 81)	66
RETAIL STAFF (RS)		24
		723
		725

BICYCLE BAY SCHEDULE	
BASEMENT 3	
OFFICE	20
	20
BASEMENT 2	
OFFICE	26
	26
BASEMENT 1	
EXT. VISITOR / CUSTOMER	14
RESIDENT	14
RETAIL STAFF	13
	41
GROUND	
EXT. VISITOR / CUSTOMER	25
RESIDENT	101
	126
	213

BICYCLE BAY SCHEDULE (TOTAL)		
CATEGORY	REQ.	PROVIDED
EXT. VISITOR / CUSTOMER	39	39
OFFICE	40	46
RESIDENT	38	115
RETAIL STAFF	11	13
		128
		213

STORAGE CAGE SCHEDULE (TOTAL)	
BASEMENT 3	
STORAGE CAGE	127
	127
BASEMENT 2	
STORAGE CAGE	60
	60
	187

MOTORBIKE SCHEDULE	
BASEMENT 3	
MOTORCYCLE BAY	4
	4
BASEMENT 2	
MOTORCYCLE BAY	8
	8
	12

PLANNING AND ENVIRONMENT ACT 1987
WHITEHORSE PLANNING SCHEME

31/07/2019

ADVERTISED MATERIAL

CITY OF WHITEHORSE

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BUILDING B

WHITEHORSE

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APT NO.	TYPE			AREA	(D17)	(D27)	(D20)	(D24)	(D26)
101-B	TYPE NN	1 BED - 1 BATH	APT AREA	59.1	Y		Y	Y	N/A
		BALCONY	POS AREA	10.8					
102-B	TYPE A	2 BED - 2 BATH	APT AREA	79.3	Y	Y	Y	Y	Y
102-B		BALCONY	POS AREA	10.2					
103-B	TYPE EE	2 BED - 1 BATH	APT AREA	75.3	Y	Y	Y	Y	N/A
103-B		BALCONY	POS AREA	12.9					
104-B	TYPE A	2 BED - 2 BATH	APT AREA	75.7	Y		Y	Y	Y
104-B		BALCONY	POS AREA	11.1					
105-B	TYPE A	2 BED - 2 BATH	APT AREA	76.7	Y		Y	Y	Y
105-B		BALCONY	POS AREA	11.0					
106-B	TYPE FF	1 BED - 1 BATH	APT AREA	59.3	Y		Y	Y	N/A
106-B		TERRACE	POS AREA	51.8					
107-B	TYPE A	2 BED - 2 BATH	APT AREA	76.6	Y		Y	Y	Y
107-B		BALCONY	POS AREA	10.9					
108-B	TYPE A	2 BED - 2 BATH	APT AREA	73.6	Y		Y	Y	Y
108-B		TERRACE	POS AREA	62.3					
109-B	TYPE A	2 BED - 2 BATH	APT AREA	76.6	Y		Y	Y	Y
109-B		BALCONY	POS AREA	10.9					
110-B	TYPE A	2 BED - 2 BATH	APT AREA	73.6	Y		Y	Y	Y
110-B		TERRACE	POS AREA	77.1					
111-B	TYPE GG	2 BED - 2 BATH	APT AREA	84.5		Y	Y	Y	N/A
111-B		BALCONY	POS AREA	17.1					
111-B		TERRACE	POS AREA	52.9					

LEVEL 2

201-B	TYPE NN	1 BED - 1 BATH	APT AREA	60.3	Y		Y	Y	N/A
201-B		BALCONY	POS AREA	10.7					
202-B	TYPE A	2 BED - 2 BATH	APT AREA	79.3	Y	Y	Y	Y	Y
202-B		BALCONY	POS AREA	10.2					
203-B	TYPE EE	2 BED - 1 BATH	APT AREA	76.1	Y	Y	Y	Y	N/A
203-B		BALCONY	POS AREA	12.9					
204-B	TYPE A	2 BED - 2 BATH	APT AREA	75.9	Y		Y	Y	Y
204-B		BALCONY	POS AREA	11.4					
205-B	TYPE A	2 BED - 2 BATH	APT AREA	76.6	Y		Y	Y	Y
205-B		BALCONY	POS AREA	11.0					
206-B	TYPE FF	1 BED - 1 BATH	APT AREA	59.3	Y		Y	Y	N/A
206-B		BALCONY	POS AREA	12.2					
207-B	TYPE A	2 BED - 2 BATH	APT AREA	76.6	Y		Y	Y	Y
207-B		BALCONY	POS AREA	11.0					
208-B	TYPE A	2 BED - 2 BATH	APT AREA	73.7	Y		Y	Y	Y
208-B		BALCONY	POS AREA	9.9					
209-B	TYPE A	2 BED - 2 BATH	APT AREA	76.6	Y		Y	Y	Y
209-B		BALCONY	POS AREA	11.0					
210-B	TYPE A	2 BED - 2 BATH	APT AREA	73.7	Y		Y	Y	Y
210-B		BALCONY	POS AREA	9.9					
211-B	TYPE GG	2 BED - 2 BATH	APT AREA	84.5		Y	Y	Y	N/A
211-B		BALCONY	POS AREA	35.1					

APT NO.	TYPE		AREA	(D17)	(D27)	(D20)	(D24)	(D26)	
LEVEL 3									
301-B 301-B	TYPE NN	1 BED - 1 BATH BALCONY	APT AREA POS AREA	60.2 10.7	Y		Y	Y	N/A
302-B 302-B	TYPE II	1 BED - 1 BATH TERRACE	APT AREA POS AREA	64.0 25.7	Y	Y	Y	Y	N/A
303-B 303-B	TYPE EE	2 BED - 1 BATH BALCONY	APT AREA POS AREA	76.1 12.9	Y	Y	Y	Y	N/A
304-B 304-B	TYPE A	2 BED - 2 BATH BALCONY	APT AREA POS AREA	75.7 11.4	Y		Y	Y	Y
305-B 305-B	TYPE A	2 BED - 2 BATH BALCONY	APT AREA POS AREA	76.6 10.9	Y		Y	Y	Y
306-B 306-B	TYPE FF	1 BED - 1 BATH BALCONY	APT AREA POS AREA	59.1 12.2	Y		Y	Y	N/A
307-B 307-B	TYPE A	2 BED - 2 BATH BALCONY	APT AREA POS AREA	76.6 10.9	Y		Y	Y	Y
308-B 308-B	TYPE A	2 BED - 2 BATH BALCONY	APT AREA POS AREA	72.9 9.9	Y		Y	Y	Y
309-B 309-B	TYPE A	2 BED - 2 BATH BALCONY	APT AREA POS AREA	76.6 11.0	Y		Y	Y	Y
310-B 310-B	TYPE A	2 BED - 2 BATH BALCONY	APT AREA POS AREA	73.7 9.9	Y		Y	Y	Y
311-B 311-B	TYPE GG	2 BED - 2 BATH BALCONY	APT AREA POS AREA	84.5 34.5		Y	Y	Y	N/A

LEVEL 4

401-B	TYPE LL	1 BED - 1 BATH	APT AREA	59.0	Y		Y	Y	N/A
401-B		TERRACE	POS AREA	19.6					
402-B	TYPE MM	1 BED - 1 BATH	APT AREA	59.4	Y	Y	Y	Y	N/A
402-B		BALCONY	POS AREA	9.8					
403-B	TYPE HH	1 BED - 1 BATH	APT AREA	60.7			Y	Y	N/A
403-B		TERRACE	POS AREA	26.4					
404-B	TYPE E	2 BED - 1 BATH	APT AREA	66.7	Y		Y	Y	Y
404-B		TERRACE	POS AREA	20.6					
405-B	TYPE E	2 BED - 1 BATH	APT AREA	66.7	Y		Y	Y	Y
405-B		TERRACE	POS AREA	20.0					
406-B	TYPE FF	1 BED - 1 BATH	APT AREA	56.5	Y		Y	Y	N/A
406-B		TERRACE	POS AREA	15.0					
407-B	TYPE E	2 BED - 1 BATH	APT AREA	66.4	Y		Y	Y	Y
407-B		TERRACE	POS AREA	20.0					
408-B	TYPE E	2 BED - 1 BATH	APT AREA	64.8	Y		Y	Y	Y
408-B		TERRACE	POS AREA	17.3					
409-B	TYPE JJ	2 BED - 1 BATH	APT AREA	79.3		Y	Y	Y	Y
409-B		TERRACE	POS AREA	55.1					
410-B	TYPE KK	2 BED - 2 BATH	APT AREA	88.3		Y	Y	Y	N/A
410-B		TERRACE	POS AREA	77.6					

LEVEL 5

501-B	TYPE LL	1 BED - 1 BATH	APT AREA	59.1	Y		Y	Y	N/A
501-B		BALCONY	POS AREA	9.6					

APT NO.	TYPE			AREA	(D17)	(D27)	(D20)	(D24)	(D26)
502-B	TYPE MM	1 BED - 1 BATH	APT AREA	59.0	Y	Y	Y	Y	N/A
502-B		BALCONY	POS AREA	9.8					
503-B	TYPE CC	2 BED - 2 BATH	APT AREA	74.9		Y	Y	Y	N/A
503-B		BALCONY	POS AREA	10.9					
504-B	TYPE E	2 BED - 1 BATH	APT AREA	65.9	Y		Y	Y	Y
504-B		BALCONY	POS AREA	10.1					
505-B	TYPE E	2 BED - 1 BATH	APT AREA	66.7	Y		Y	Y	Y
505-B		BALCONY	POS AREA	10.1					
506-B	TYPE FF	1 BED - 1 BATH	APT AREA	56.8	Y		Y	Y	N/A
506-B		BALCONY	POS AREA	9.7					
507-B	TYPE E	2 BED - 1 BATH	APT AREA	66.4	Y		Y	Y	Y
507-B		BALCONY	POS AREA	10.1					
508-B	TYPE E	2 BED - 1 BATH	APT AREA	66.8	Y		Y	Y	Y
508-B		BALCONY	POS AREA	11.2					
509-B	TYPE DD	2 BED - 2 BATH	APT AREA	84.9		Y	Y	Y	Y
509-B		BALCONY	POS AREA	17.9					
510-B	TYPE BB	2 BED - 2 BATH	APT AREA	97.3	Y	Y	Y	Y	N/A
510-B		BALCONY	POS AREA	19.4					

LEVEL 6

601-B	TYPE LL	1 BED - 1 BATH	APT AREA	59.0	Y	Y	Y	Y	N/A
601-B		BALCONY	POS AREA	9.6					
602-B	TYPE MM	1 BED - 1 BATH	APT AREA	59.0	Y	Y	Y	Y	N/A
602-B		BALCONY	POS AREA	9.8					
603-B	TYPE CC	2 BED - 2 BATH	APT AREA	78.6		Y	Y	Y	N/A
603-B		BALCONY	POS AREA	10.9					
604-B	TYPE E	2 BED - 1 BATH	APT AREA	66.7	Y	Y	Y	Y	Y
604-B		BALCONY	POS AREA	10.1					
605-B	TYPE FF	1 BED - 1 BATH	APT AREA	56.8	Y	Y	Y	Y	N/A
605-B		BALCONY	POS AREA	9.7					
606-B	TYPE E	2 BED - 1 BATH	APT AREA	66.4	Y	Y	Y	Y	Y
606-B		BALCONY	POS AREA	10.1					
607-B	TYPE E	2 BED - 1 BATH	APT AREA	66.7	Y		Y	Y	Y
607-B		BALCONY	POS AREA	11.1					
608-B	TYPE DD	2 BED - 2 BATH	APT AREA	84.1		Y	Y	Y	Y
608-B		BALCONY	POS AREA	17.9					
609-B	TYPE BB	2 BED - 2 BATH	APT AREA	96.4	Y	Y	Y	Y	N/A
609-B		BALCONY	POS AREA	19.4					

D17 - ACCESSIBILITY STANDARD
(REFER TO TP-29 - TP-31 FOR LAYOUTS)

D20 - MINIMUM STORAGE REQUIREMENTS
(REFER TO TP-02 FOR TOTALS)

D24 - MINIMUM ROOM SIZES
(REFER TO TP-29 - TP-31 FOR LAYOUTS)

D26 - COMPLIANCE WITH "SADDLEBACK"
BEDROOM ARRANGEMENTS

D27 - NATURAL VENTILATION CHECKLIST

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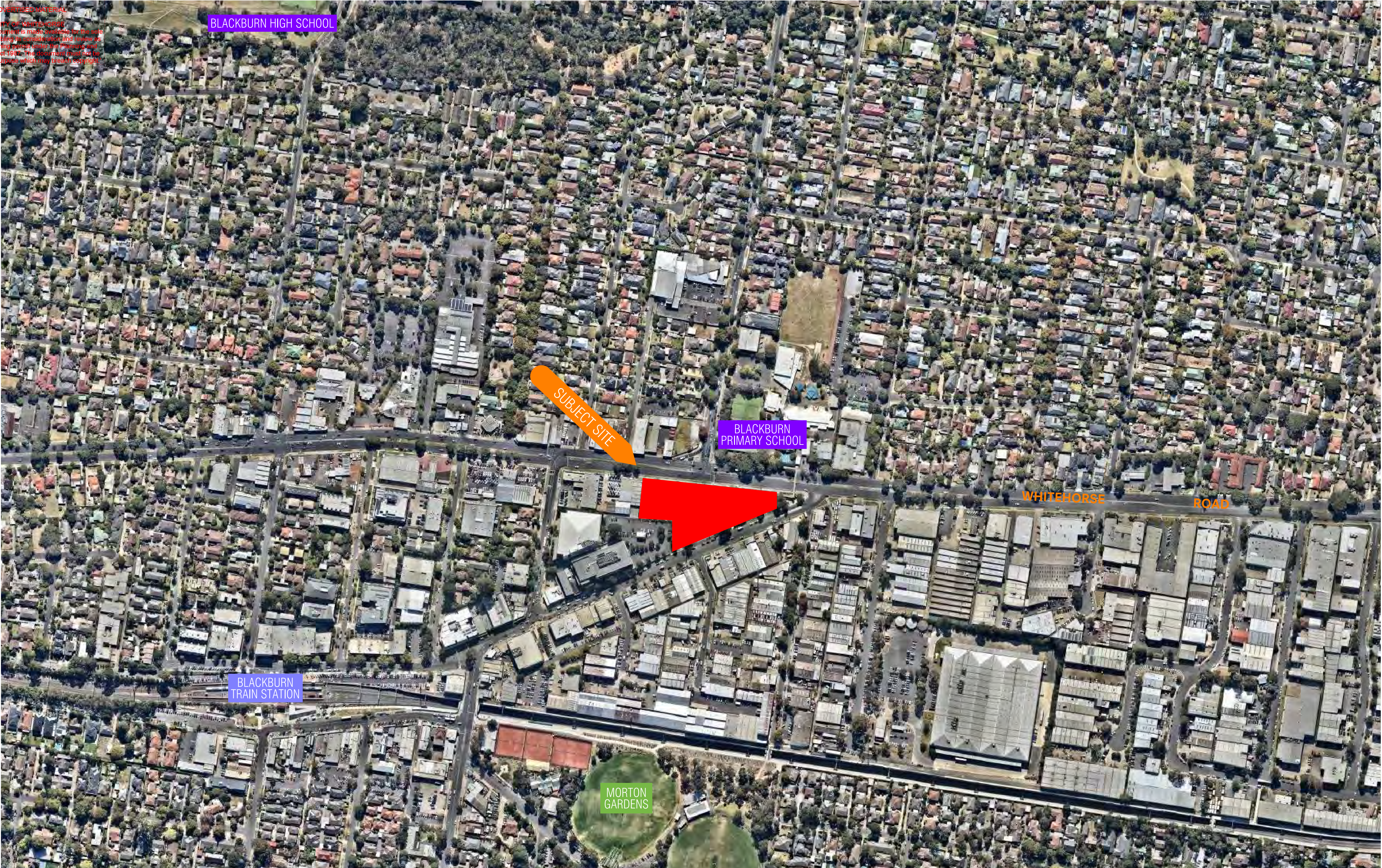
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DRAWING
BLD B APARTMENT AREAS

PROJECT
MULTI USE DEVELOPMENT
160 WHITEHORSE ROAD
BLACKBURN

Ascui & Co.
Architects

SCALE @ A1	DATE 24/05/2019
DRAWN MS & TJ	JOB No. 1563
TOWN PLANNING	DRAWING No. REV No. TP-03.1 B

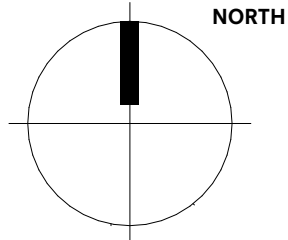


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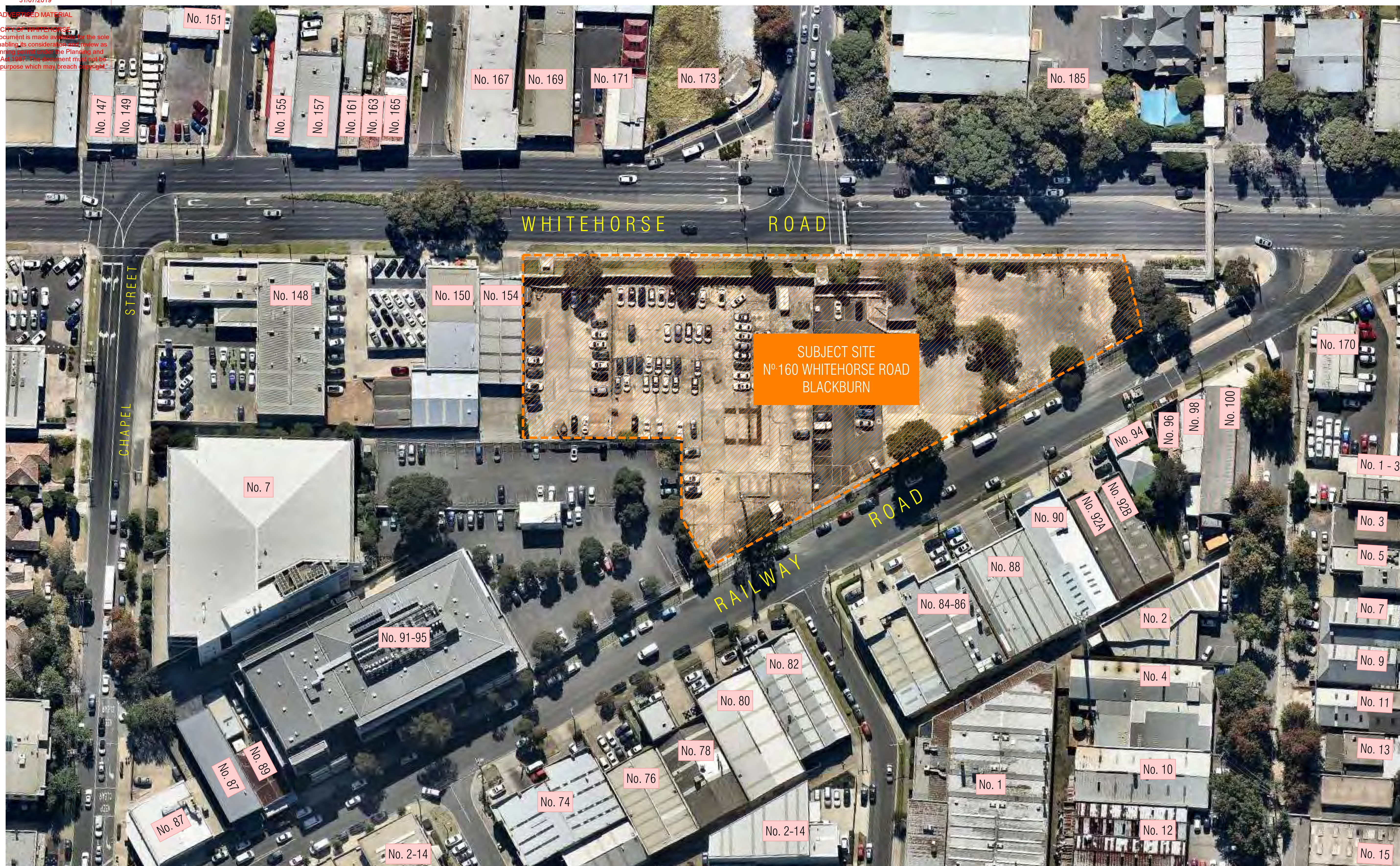
DRAWING
BROAD CONTEXT

PROJECT
**MULTI USE DEVELOPMENT
160 WHITEHORSE ROAD
BLACKBURN**

Ascui & Co.
Architects

SCALE
@ A1
DRAWN
MS & TJ
TOWN
PLANNING

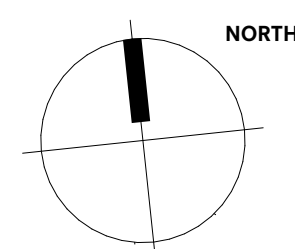
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1563
DRAWING No.
TP-04
REV No.
B



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DRAWING
ARIEL PHOTO

PROJECT
MULTI USE DEVELOPMENT
160 WHITEHORSE ROAD
BLACKBURN

Ascui & Co.
Architects

SCALE 1:500 @ A1	DATE 24/05/2019
DRAWN MS & TJ	JOB No. 1563
DRAWING No. REV No.	
TP-05 B	

ADVERTISED MATERIAL

SITE CONTEXT

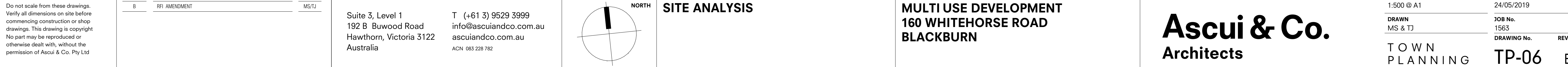
OUT OF WHITEHORSE

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BLACKBURN TRAIN STATION

BLACKBURN TRAIN STATION

- 1.
- 2.
3. MORTON PARK
4. BLACKBURN HIGH SCHOOL
5. EASTERN FREEWAY ENTRANCE
6. WESTFIELD DONCASTER
- 7.
8. FEDERATION SQUARE



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B	RPI AMENDMENT	MS/TJ									



DESIGN RESPONSE

The design response seeks to create a prominent landmark group of buildings contributing to the visual experience of the precinct and to provide diverse mixed uses for community amenity and benefit. The new proposal references the original permit for a four apartment building complex with retail uses at ground level but replaces the largely singular use with a varied mixed use development comprising apartment dwellings, an office building, supermarket, retail tenancies, public plaza, carpark and other public uses including end of use facilities.

The design response for the development seeks to better align the new owner's brief and brand, and appeal to the local context and market within the existing permit building envelope and established design parameters.

The existing permit design was a commercial looking, curtain wall glass-clad building. The new design now includes integrated passive sun shading elements, high thermal insulation with double glazing, water recycling for toilets and gardens, PV solar panels for common area power use and more. The design seeks to express more traditional residential typology by warming up the façade with earther tones, fine grain materiality and texture for a more environmentally refined design outcome

The external expression is based on a strong plinth form of horizontal concrete bands which become stronger at one end of each building, merging to form an angled feature that provides movement that then transitions to lighter form materiality as the building rises. The upper forms sit above a recessed shadow line level to express a physical break in the plinth versus upper form and incorporates an offset geometry of fine grain vertical and horizontal aluminium frames distinguishing the building's floors and providing passive sun shading and cover over recessed balconies.

Apartments are designed with dwelling diversity in mind catering for families to single persons, including the elderly and low cost housing options. The development includes large communal open space for parents and children, including a pool and outdoor entertainment area accessible from all buildings.

The public realm at street level provides retail frontages and public access points, providing a gateway to the plaza at the heart of the development, and creating a link between Whitehorse Rd, Railway Rd and Blackburn Railway Station. Retail tenancies are designed to face onto the public link, which contribute to passive surveillance of this area. It is also proposed to provide large raised planters with seating along the link enhancing the amenity of the public space and encouragement of social activity and reflection. Towards the southern end of the central link there is a wide public stair and lift providing a generous link for pedestrians and the supermarket forecourt will provide activation from Railway Rd. Landscaping has been well considered and is integrated into the development concept starting from the enhanced public realm treatment outside the site to the context within the site extending from public plaza spaces, resident communal activity spaces to balcony gardens, to provide a comfortable, soft and green human scale experiences within the complex.

The commercial building component is designed with a complementary architectural language to sit comfortably in the context of the residential buildings, but also distinct enough appropriate for a corporate identity.

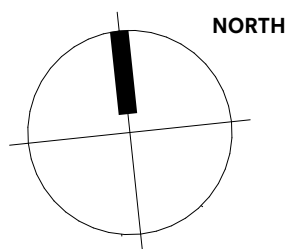
The mixed use nature of the development is intended to provide shared use amenity and community benefits leading to closer integration of public, private, work and shopping, leisure experiences suitable for modern lifestyles

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REV No.	AMENDMENTS / ISSUE	DRAWN
B	RPI AMENDMENT	MS/TJ

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DRAWING
DESIGN RESPONSE

PROJECT
**MULTI USE DEVELOPMENT
160 WHITEHORSE ROAD
BLACKBURN**

Ascui & Co.
Architects

SCALE 1:250 @ A1	DATE 24/05/2019
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TOWN PLANNING	DRAWING No. TP-07
	REV No. B