36-38 Rodley Avenue, Penrith, NSW, 2750



Site Area		1112m²	
Gross Floor Area (GFA)		1645m²	
Zoning	R4 High Density Residential		
	Allowable	Proposed	
Floor Space Ratio (FSR)*	n/a	1.48:1	
Total Storeys	6	6	

Communal Open Space	25%	217m²	20%
Deep Soil Zones	7%	168m²	15%

UNITS TYPES				
Туре	Count			
1B	1			
2B	8			
3B				

GROSS FLOOR AREA					
Level	Area				
GROUND LEVEL	295.1 m ²	30			
LEVEL 1	378.4 m ²				
LEVEL 2	378.4 m²				
LEVEL 3	378.4 m²				
LEVEL 4	206.6 m ²				
LEVEL 5	8.3 m ²	7			
Grand total: 6	1645.2 m ²				

COMMON OPEN SPACE				
Area	% of Site			
217.3 m²	19.54			

DEEP SOIL AREA			
Area	% the Site		
167.9 m²	15.06		

CAR SPACES REQUIRED							
4 Deal contract							
1 Bed units: 1	1						
2 Bed units Adaptable: 2	2						
2 Bed units: 6	6						
3 Bed units: 8	16						
Visitors (1/5)	4						
Service vehicles (1/40)	_						
Washing bay (1/50)	1						
Grand total	30						

CAR SPACES - TYPES			
Type	Number		
Disabled - 2400w x 5400d	2		
Service - 2500w x 5400d	7		
STANDARD - 2500w x 5400d	35		
Visitor - 2500w x 5400d	28		
Grand total: 72	72		

A 04-09-2018	AMENDMENT DA SUBMISSION		PROPOSED RESIDENTIAL FLAT BUILDING	MODSON NOMINATED ARCHITECT - P.F. MORSON REGISTRATION NUMBER 8100	SHEET VIEWS AND SCHEDULES	DA01
B 19-02-2019	DA SUBMISSION		PROPOSED RESIDENTIAL PLAT BUILDING	ACN 159 480 056, ABN 41 159 480 056	SHEET SIZE: A1 DAT	DAGI
C 31-07-2019	DA SUBMISSION		ADDRESS	GROUP www.morsongroup.com (02) 9380 4946 (02) 9380 4946 (03) 9380 (03)	SCALE E	ICCUE NO.
D 22-08-2019	DA SUBMISSION		36-38 Rodley Avenue, Penrith, NSW, 2750	PO Box 170, Potts Point, NSW 1335	111	ISSUE NO.
		SCALE BAR NORTH POIN	T Inglow investments two			

	Design Criteria Comp	liance Proposal		Design Criteria	Compliance	Proposal
3D-1	1. Communal open space has a minimum area equal to 25% of the site 2. Developments achieve a minimum of 50% direct sunlight to the principal usable part of the communal open space for a minimum of 2 hours between 9 am and 3 pm on 21 June (mid winter)	1. The Common Open Space is 217m² comprising 20% of the site. The Common Area is less then the required size for the site area. The units facing the south and those on ground have Terraces and Balconies which are in excess of the ADG minimums which are intended to offset the reduction in common area provided. The location and quality of the common area exceeds the requirements of the ADG and is a better design outcome as opposed to locating a complaint sized Common area at ground level in the rear corner of the site. The location of the Common Area at Level 5 being further setback from the side boundaries will have a lesser impact on the neighbouring properties. 2. Sunlight Access Requirements are unable to be met due to the location of the Common area on the roof facing the views instead of the Northern Sunlight.	4D-1	1. Apartments are required to have the following minimum internal areas: Apartment type Minimum internal area Studio 35m² 1 bedroom 50m² 2 bedroom 70m² 3 bedroom 90m² The minimum internal areas include only one bathroom. Additional bathrooms increase the minimum internal area by 5m² each	Yes	Minimal internal areas are in accordance with the design criteria
3E-1	1. Deep soil zones are to meet the following minimum requirements: Site Area Min. Dimension Deep Soil Zone (% of site Area) <650m² - 650m²-1,500m² 3m 7% >1,500m² 6m	1. Deep soil zones provided well exceed the minimum requirements. The site provides for a total area of 168m² of deep soil zone or 15% of total site.	4D-2	Every habitable room must have a window in an external wall with a total minimum glass area of not less than 10% of the floor area of the room. Daylight and air may not be borrowed from other rooms. 1. Habitable room depths are limited to a maximum of 2.5 x the ceiling	Yes	Habitable room depths are in accordance with the design criteria
	21,30011			height 2. In open plan layouts (where the living, dining and kitchen are combined) the maximum habitable room depth is 8m from a window	Yes	Habilable room dopins are in accordance with the design chiena
3F-1	Separation between windows and balconies is provided to ensure visual privacy is achieved. Min required separation distances from buildings to the side and rear boundaries are as follows: Building Height Habitable rooms and balconies Non-habitable rooms	Setbacks: Northen Boundary: [NOTE: Street Frontage of Rodley Ave, residential housing across the road] Setback from 4.5m to 5.5m [Ground-Level 4] Setback from 8.0m to 9.1m [Level 5] Southern Boundary: Setback from 6.0m to 9.1m [Ground-Level 3] Setback 9.00m [Levels 4] Setback 16.9m [Levels 5] Western Boundary: Setback from 4.0m to 6.0m [Ground-Level 4] Setback 9.00m [Levels 4] Setback 12m [Levels 5]	4D-3	1. Master bedrooms have a minimum area of 10m² and other bedrooms to have 9m² (excluding wardrobe space) 2. Bedrooms have a minimum dimension of 3m (excl. wardrobe space) 3. Living rooms or combined living/dining rooms have a minimum width of: • 3.6m for studio and 1 bed apartments • 4m for 2 and 3 bedroom apartments	Yes Yes Yes	All bedrooms are 9m ² & Master bedrooms 10m ² . All bedrooms have minimum dimension of 3m. All living rooms have minimum dimension of 4m.
4A-1	Living rooms and private open spaces of at least 70% of apartments in a	Eastern Boundary: Setback from 4.0m to 6.0m [Ground-Level 4] Setback 9.00m [Levels 4] Setback 12m [Levels 5] 1. 82% [14-17] of apartments receive 2 hours of direct sunlight.	4E-1	All apartments are required to have primary balconies as follows: Dwelling type	Yes	Balconies provided to apartments are in accordance with this design criteria.
	building receive a minimum of 2 hours direct sunlight between 9 am and 3 pm at mid winter in the Sydney Metropolitan Area and in the Newcastle and Wollongong local government areas. 3. A maximum of 15% of apartments in a building receive no direct sunlight between 9 am and 3 pm at mid winter	3. None of the apartments receive no direct sunlight between 9am & 3pm at mid winter		1 bedroom apartments 8m² 2m 2 bedroom apartments 10m² 2m 3+ bedroom apartments 12m² 2.4m The minimum balcony depth to be counted as contributing to the balcony area is 1m. 2. For apartments at ground level or on a podium or similar structure, a private open space is provided instead of a balcony. It must have a minimum area of 15m² and a minimum depth of 3m	Yes	2. Terraces provided to apartments are in accordance with this design criteria.
4B-3	storeys of the building. Apartments at ten storeys or greater are deemed to be cross ventilated only if any enclosure of the balconies at these levels allows adequate natural ventilation and cannot be fully enclosed 3. Overall depth of a cross-over or cross-through apartment does not	1. 94% [16-17] of apartments are cross-ventilated	4F-1	The maximum number of apartments off a circulation core on a single level is eight For buildings of 10 storeys and over, the maximum number of apartments sharing a single lift is 40	Yes n/a	All levels provide 4 or less apartments off a circulation core.
4C-1	Measured from finished floor level to finished ceiling level, minimum ceiling heights are: Minimum ceiling height for apartment and mixed use buildings Habitable rooms 2.7m Non-habitable 2.4m For 2 storey 2.7m for main living area apartments 2.4m for second floor, where its area does not exceed 50% of the apt area.	res Minimum ceiling heights are in accordance with the design criteria	4G-1	1. In addition to storage in kitchens, bathrooms and bedrooms, the following storage is provided: Apartment type	Yes	All storage requirements are in accordance with this design criteria. Sotrage Cages are provided in the basement in addition to sorage cupboards provided within the apartment.

Principle 1: Context and Neighbourhood Character		Principle 2: Built Form and Scale		Principle 3: Density		Principle 4: Sustainability	
Low-density Residential: The remaining neighbouring properties to the North, along Riest, and South side of Rodley Ave, predominantly consist of low density single and twice twellings (houses and townhouses). The majority of these lots contain single low-dension long rectangular lots with the short boundary addressing the street. Scattered throudensity housing are some medium-density villa and townhouse developments which a of central 'gun-barrel' driveways with terraces on either side. Short term to future growth pattern: We note the urban fabric is changing from a low-dhigh-density with recent legislative amendments in the Penrith LGA. To clarify, the chain a one or two storey single dwelling per lot to a 5-6 storey residential development. Context, Neighbourhood Character and UDRP recommendations have been taken into during the design. It is believed that the design responds and contributes to its context example for the future proposed developments in the area.	or storey residential ity housing located ghout the low-re generally consist ensity to an urban nge in scale is from	The design responds to its associated context (identified in Princ tower addressing Rodley Ave. The facade is well articulated and site, mimicing the layout pattern of dwellings along Rodley Ave. Or rear of the property to maximise access to the views. The result in natural light to a large number of the units. The cross ventilation direct sunlight between 9am & 3pm at mid winter. UDRP panel recommended design solutions have been taken of articulation and innovation is successfully achieved through both design achieves a positive outcome for built form, scale, context R4 zoning and SEPP65 setbacks and height controls have been accommodate the stepping of upper storeys and for the building height may vary in parts from the minimum SEPP65 requirement It is assumed that the proposed setbacks and heights would be for The highest height intrusion is the top of lift shaft at nominal 1.89 has an RL 46.840. The lift shaft being centrally located within the neighbouring properties.	the footprint sits well within the regular shape Common open space is located on Level 5 at is an outcome which allows cross ventilation meets the minimum requirements as well as a not open space in board and integrated into the design. Facat form and colours reducing bulk and scale. The and neighbouring character. In generally adopted in the proposal. In order the to be well articulated, proposed setbacks and the scale and acceptable. In above the allowable 18m height control are	theThe subject site lies within such an area wandsubmitted to Council in the close proximit the As there is no FSR control on the site, the limits and setbacks as per the ADG Tower the Moreover, Communal Open Spaces and minimum requirements of the ADG, further the proposal consists of a mixture of larger lt is believed that the proposed developments	ty of Devilnits Parade and Vista Streets. e density of the proposed development is controlled by the height er Seperation Controls. Deep Soils zones in the proposed development meet the er controlling the allowable density on the site.	transport solutions sensitive urban de Consideration has future sustainable Bicycle parking ha in lieu of vehicle u accordance with the The development vast majority of the will reduce the energian sensitive urban de consideration of the co	esign Guide 2015 aims to deliver improved sustainability through better traffic and so, greater building adaptability and robustness, improved energy efficiency and water esign. Velopment aims to exceed the minimum standards of the ADG 2015 wherever possible. It is been given to the increased apartment areas throughout the development to facilitate a growth of Sydney's outer suburbs. As been located on basement 1 to promote the use of active transport to the Penrith are use. (See Principle 6 for details). The development also features landscape areas in the requirements of the ADG 2015 design criteria. (See Principle 5 for details). Also features well designed apartments with cross ventilation and solar access to the expartments, and well exceeds the minimum ADG 2015 requirements. Use of awnings ergy consumption in summer months by protecting west-facing apartments and ernal conditions of the apartments.
Principle 5: Landscape	Principle 6: Amenity		Principle 7: Safety		Principle 8: Housing Diversity & Social Interaction		Principle 9: Aesthetics
Deep soil planting has been embellished along all boundaries allowing full height trees to grow and provide privacy between the neighbouring properties and potential future adjacent developments. Due to the easmeent diversion to the western boundary canopy trees are unable to be provided in the deep soil area in this location. To compensate for this planters on structure have been provided adjacent the easement so that canopty trees can be provided to the western setback. Deep soil pockets were maximized and replacement trees are proposed to accommodate landscaping complementing the design and street frontages. The carparking levels have been designed to minimize the footprint but accommodate all the necessary carparking and services. Landscaping has been maxmised through locating planters on the ground level structure and also at level; 5 to provide amentiy to the Common Open Space.	make Penrith an A The site is located 0.4km to Penrith W active transport in This design consid areas of the apartr cross ventilation, a The apartment laye 10% of the units has sunshading Devic environment of ear BASIX compliance The Common Ope degree of amenity.	about 1.1km walking distance to the Penrith Train Station and lestfields. On site Bicycle Parking has been provided to promote and around the Penrith CBD. eration is intended to improve the amenity of the internal living ments by maximizing the amount of daylight access and natural is per the ADG minimum requirements. buts are efficient and meet the minimum ADG requirements. The area been provided as accessible per the NCC requirements. es have been applied to the facade to improve the internal chapartment, exceeding minimum standards with regards to	Secure pedestrian entry into the site has a of the building along side the vehicle entry such. Intercom access & CCTV at the ent Although the pedestrian and vehicle entries seperated with a seperate access point. Entry into the basement carpark is via a resecurity to gain access Side Fences at the building line secure the Gates are provided in the side fences to a within the development such as the storm	y and expressed in the facade to read as ry provides security from street. es a re co-located, each access point is oller shutter control point with swipe card e external areas of the development.	Residential areas of Penrith have traditionally included a mix of (3br+) with a scattering of villa developments closer to the Penr With the recent rezoning to R4 High-Density Residential, the prodevelopment aligns itself to the existing demographic while prodensity to respond to the demands of the growing outer suburb Sydney. The development features a mix of 2br & 3br apartments which current market demands in the area. Located in Western Sydney prices are considerably lower than inner city equivalents which affordability by default. Social interaction between residents of the development is enricof the lift lobbies and the Level 5 Common Area. Lift Lobbies are pleasant spaces to interact as they are Open at to the outside world and direct connection to the lift access points.	ith CBD (2br+). oposed viding increase an ring of Western also responds to ey, apartments facilitates ched by the design t 2 sides with views	The character of the building reflects the context in which it is located (as identified in Principle 1). Rodley Ave frontage is set in a moderately quiet residential context. The composition of facade elements is sympathetic to the scale of the surrounding residential houses and lower scale buildings. The combination of facade articulation and landcsaping successfully emphasize the building entry. The facades of the building define a hierarchy for the site. Rodley Ave facade is primary and the facades looking to the side setbacks maintain a secondary role. However, through materials & facade articulation & colour, both facades pursue rationality, clarity, proportion and rhythm which results in a simple elegance (values frequently lost).

THERMAL PERFORMANCE SPECIFICATIONS:

(20331 - 36 Rodley Ave)

The following specifications take precedence over other plan notations for the construction of this building.

NOTE: In addition to BASIX commitments; building compliance is required to comply with the 'New South Wales Additions' in the current edition of the NCC - Vol. 1, at the time of building.

- This includes New South Wales Part J(A). Specifically: Building thermal construction is in accordance with part J1.2
 - loss of ceiling insulation is compensated for by increased roof insulation in accordance with Part J1.3(c)
 - where metal frames are used that thermal breaks are installed in accordance with Part J1.3(d) and J1.5(c)
 - Any roof lights, windows, doors and exhaust fans are sealed in accordance Part J3
 - Any new air-conditioning system is installed in accordance with Parts J5.2(a), J5.2(b), J5.2(c), J5.2(d), J5.2(f) & J5.2(g)
 - Any new mechanical ventilation system is installed in accordance with Part J5.3
 - Any new miscellaneous exhaust system is installed in accordance with Part J5.4
 - Any new heated water system is installed in accordance Part J7.2
 - Energy monitoring equipment is installed in accordance Part J8.3

WINDOWS (total product specification - glass + frame)

U-value 6.70 (or less than) & SHGC 0.70 (+/-5%) (Default: Plain Glass in AL. frame)

EXTERNAL WALL (Medium colour)

Brick Veneer - R2.5 - 90mm thick Bulk insulation with reflective airgap

INTERNAL WALL

Cavity Panel/Concrete - No Insulation Partition walls - No thermal insulation required

EXTERNAL FLOOR

Concrete Slab on Ground - No insulation

Suspended Concrete (above Basement areas) - R1.3 Bulk insulation

EXTERNAL CEILING/ROOF (Medium colour)

Concrete / Plasterboard - R1.3 bulk insulation (where roofspace or balcony above)

RATED either with NO DOWNLIGHTS or with LED downlights which do not penetrate ceiling insulation (ie: IC rated)

ISSUE	SUE DATE AMENDMENT			
Α	04-09-2018	DA SUBMISSION		
В	31-07-2019	DA SUBMISSION		
С	22-08-2019	DA SUBMISSION		



ISSUE DATE AMENDMENT
A 04-09-18 DA SUBMISSION
B 31-07-2019 DA SUBMISSION
C 22-08-2019 DA SUBMISSION
SCALE BAR NORTH POINT

SCALE BAR NORTH POINT

DATE
AMENDMENT
AMENDMENT
ANGENCE PROPOSED RESIDENTIAL FLAT BUILDING
ACRES 36-38 Rodley Avenue, Penrith, NSW, 2750

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C 1970 SAME AND ASSUBMISSION
C 22-08-2019 DA SUBMISSION
C 1970 SAME AND ASSUBMISSION
C 24-08-2019 DA SUBMISSION
C 25-08-2019 DA SUBMI

No 38 WESTERN BOUNDARY

No 38 & No 40 SIDE BOUNDARY

No 38 & No 40 SIDE BOUNDARY

CREEK

No 36 FROM RODLEY ST

No 36 & No 34 BOUNDARY

No 36 EASTERN BOUNDARY

36-38 Rodley Avenue, Penrith, NSW, 2750

10m

4. REMOVE SILT STOP FENCING AND DRAINAGE STRUCTURE SEDIMENT

SHEET DEMOLITION PLAN

CONTROL TRAPS AFTER VEGETATION IS ESTABLISHED.

SHEET SIZE: A1 DAT

SCALE

MORSON GROUP:

Inglow Investments Two

Silt Stop Fence-Typical Installation

NOT TO SCALE

ISSUE NO.

Document Set ID: 8825504 Version: 1, Version Date: 26/08/2019

ISSUE DATE

A 04-09-2018

B 22-08-2019

CONSTRUCT THE WORKS.

AMENDMENT

DA SUBMISSION

DA SUBMISSION

NEW WALL/WORK

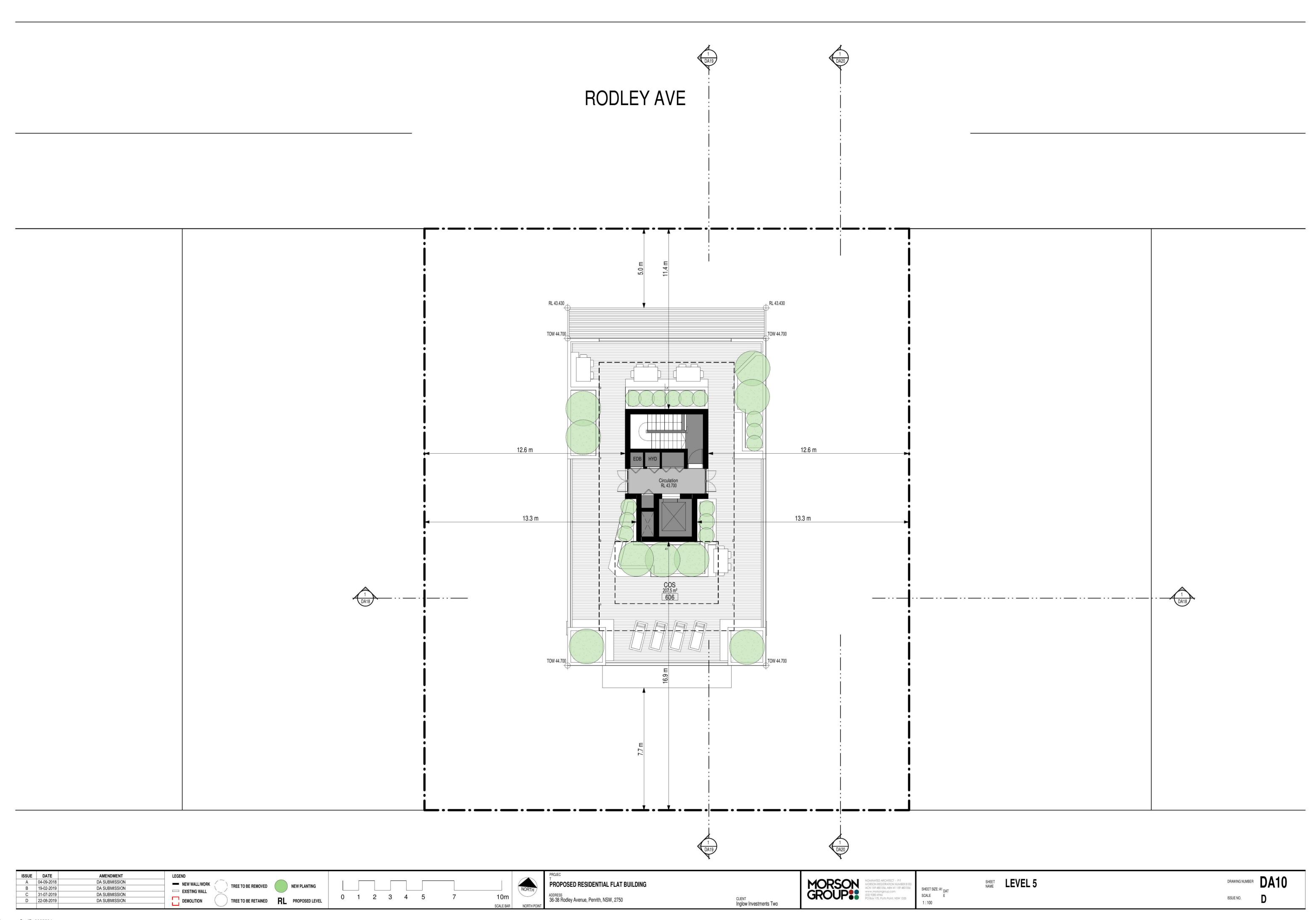
EXISTING WALL

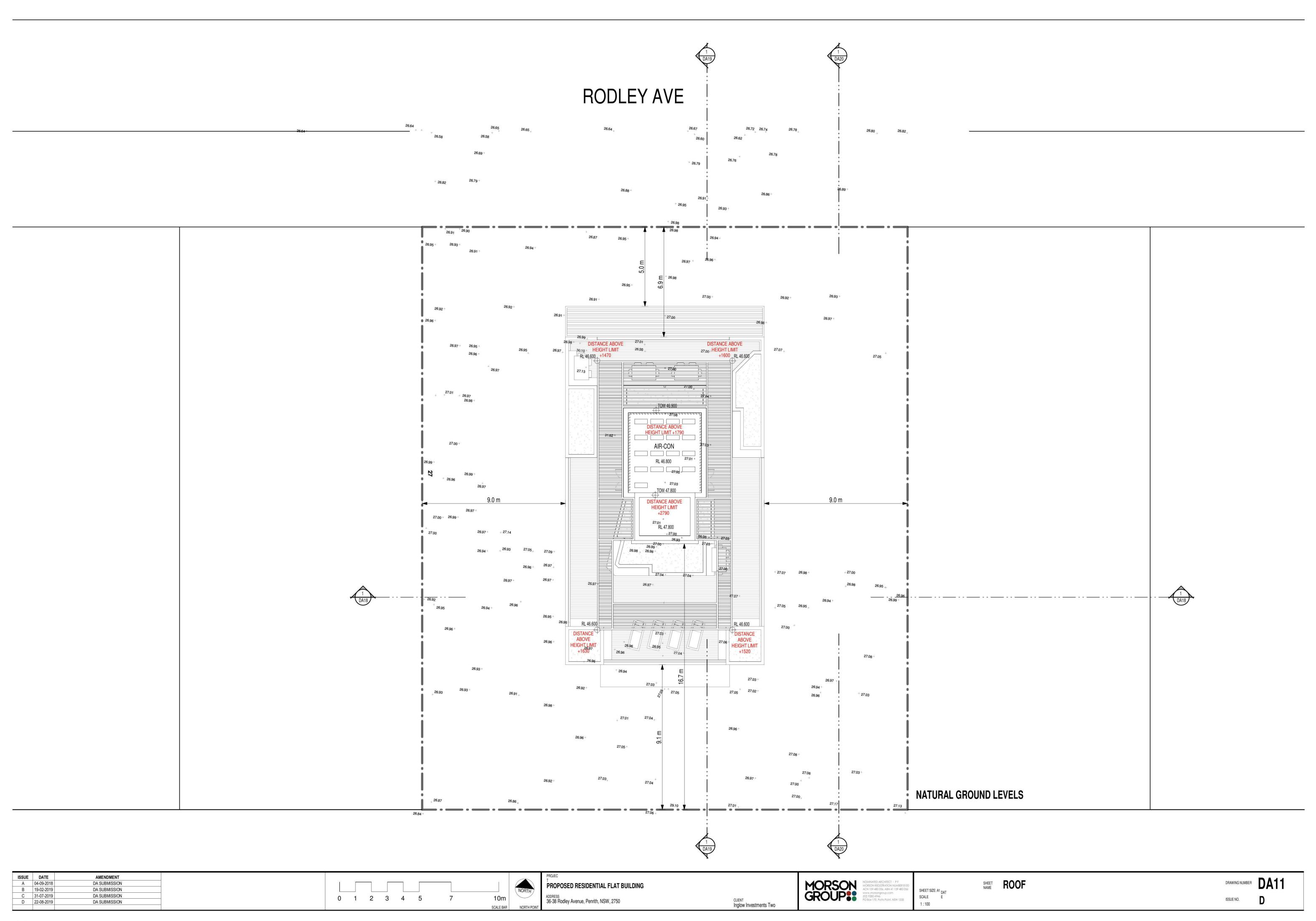
DEMOLITION

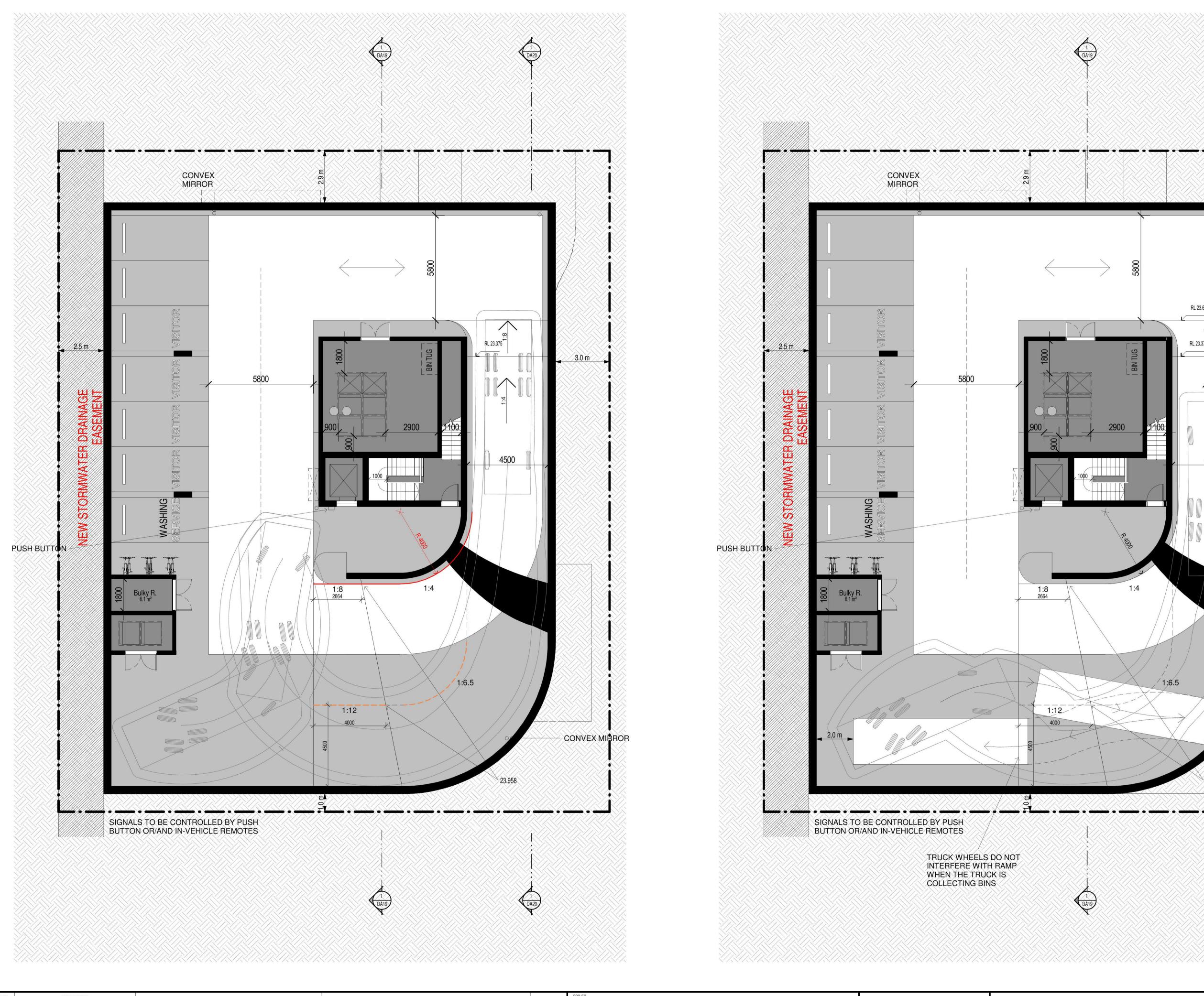
TREE TO BE REMOVED NEW PLANTING

TREE TO BE RETAINED RL PROPOSED LEVEL

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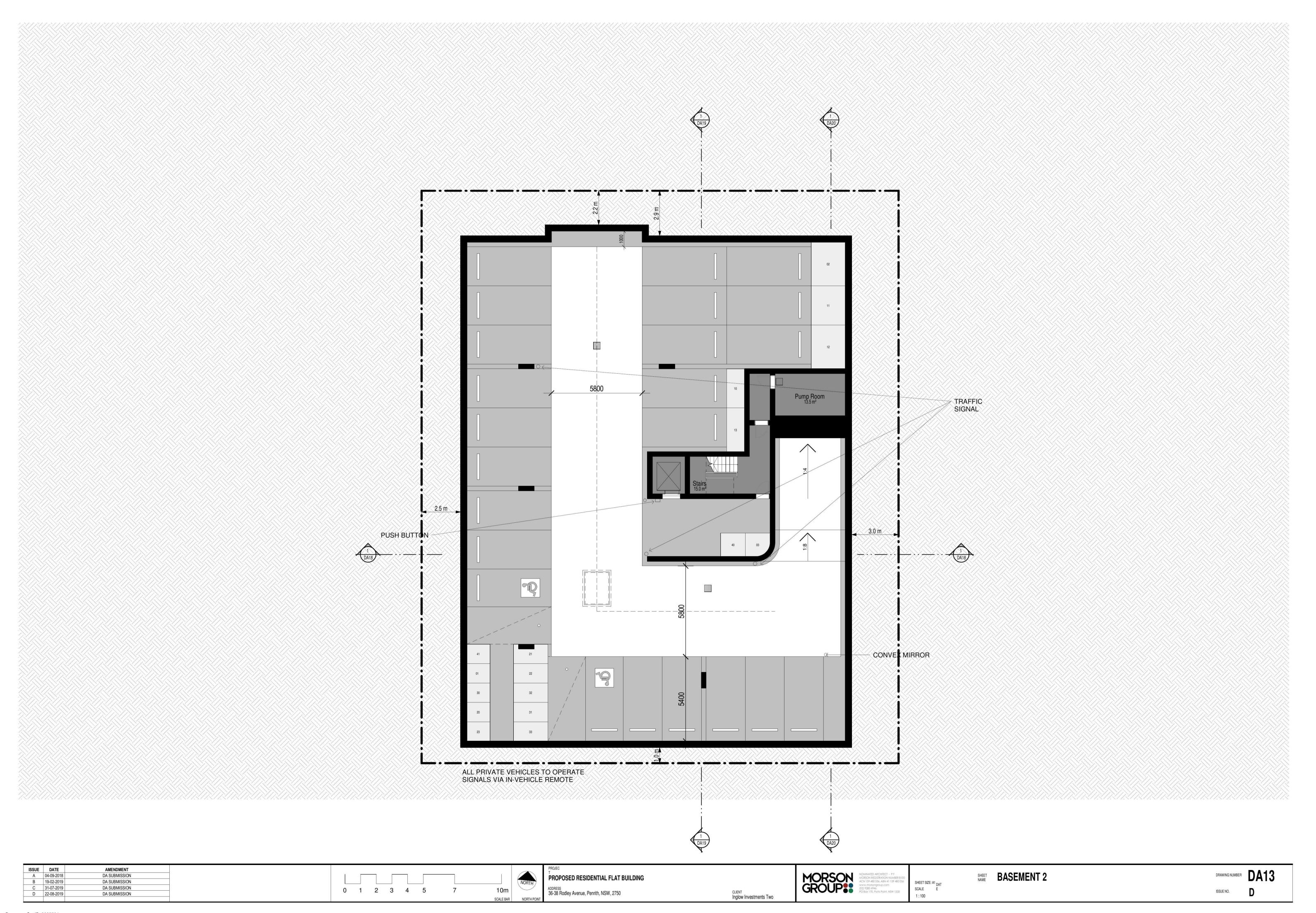






ISSUE DATE	AMENDMENT	PROJEC			DA40
A 04-09-2018	DA SUBMISSION	PROPOSED RESIDENTIAL FLAT BUILDING	MODEON NOMINATED ARCHITECT - P F	SHEET NAME BASEMENT 1	DRAWING NUMBER DA12
B 19-02-2019	DA SUBMISSION	NORTH PROPOSED RESIDENTIAL PLAT BOILDING	ACN 159 480 056, ABN 41 159 480 056	SHEET SIZE: A1 DAT	DAIL
C 31-07-2019	DA SUBMISSION	0 1 2 3 4 5 7 10m ADDRESS 26 29 Pedilou Avenue Pendith NOW 2750	MORSON NOMINATED ARCHITECT - P F MORSON REGISTRATION NUMBER 8100 ACN 159 480 056, ABN 41 159 480 056 WWW.morsongroup.com (02) 9380 4946 PO Box 170, Potts Point, NSW 1335	SCALE E	ICCUE NO.
D 22-08-2019	DA SUBMISSION	36-38 Rodley Avenue, Penrith, NSW, 2750	PO Box 170, Potts Point, NSW 1335	1:100	ISSUE NO.
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CONVEX MIRROR



Document Set ID: 8825504 Version: 1, Version Date: 26/08/2019



CLIENT Inglow Investments Two

ADDRESS 36-38 Rodley Avenue, Penrith, NSW, 2750

10m

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SHEET SIZE: A1 DAT

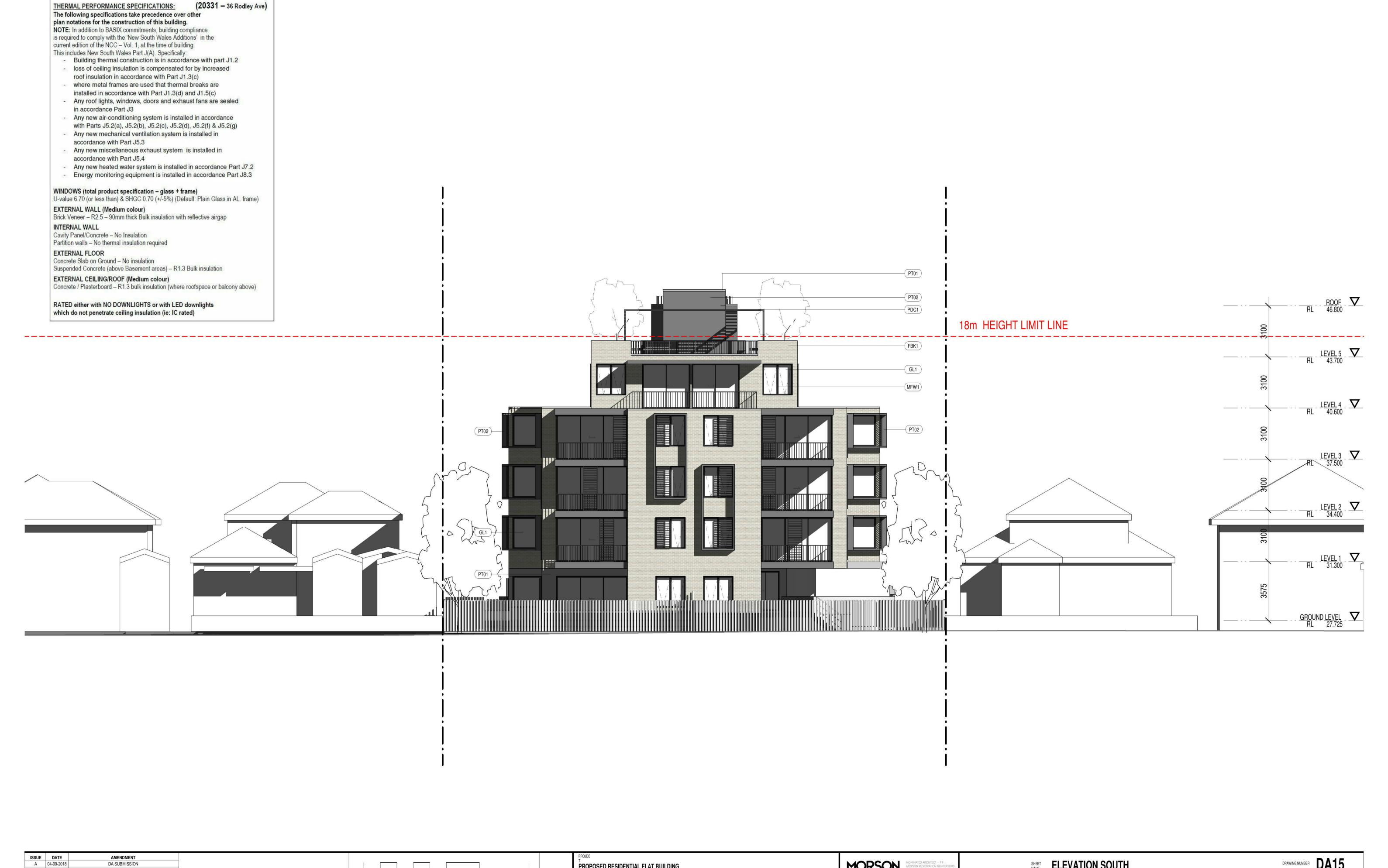
ISSUE NO.

SCALE E

B 19-03-2019 C 31-07-2019 D 22-08-2019

DA SUBMISSION

DA SUBMISSION
DA SUBMISSION



ADDRESS 36-38 Rodley Avenue, Penrith, NSW, 2750

10m

0 1 2 3 4 5

MORSON GROUP:

CLIENT Inglow Investments Two

SHEET SIZE: A1 DAT

SCALE E

SHEET ELEVATION SOUTH

DA15

ISSUE NO.

B 19-03-2019 C 31-07-2019 D 22-08-2019

AMENDMENT

DA SUBMISSION

DA SUBMISSION

DA SUBMISSION
DA SUBMISSION



ADDRESS 36-38 Rodley Avenue, Penrith, NSW, 2750

10m

0 1 2 3 4 5

MORSON GROUP:

CLIENT Inglow Investments Two SHEET RAME ELEVATION WEST

SHEET SIZE: A1 DAT SCALE E 1:100 DA16

ISSUE NO.

ISSUE DATE

A 04-09-2018

B 19-03-2019

C 21-05-2019

D 31-07-2019

E 22-08-2019

AMENDMENT

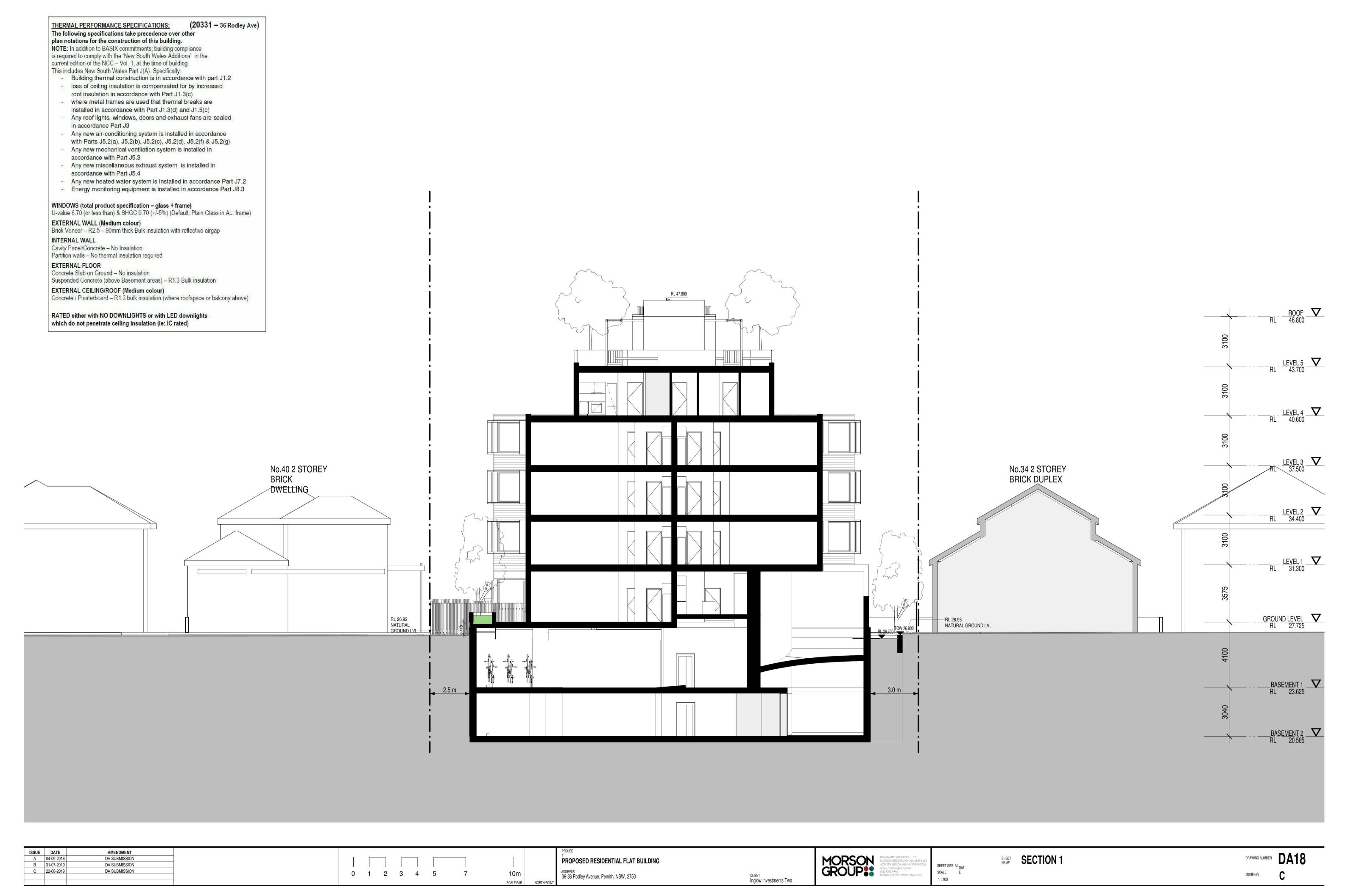
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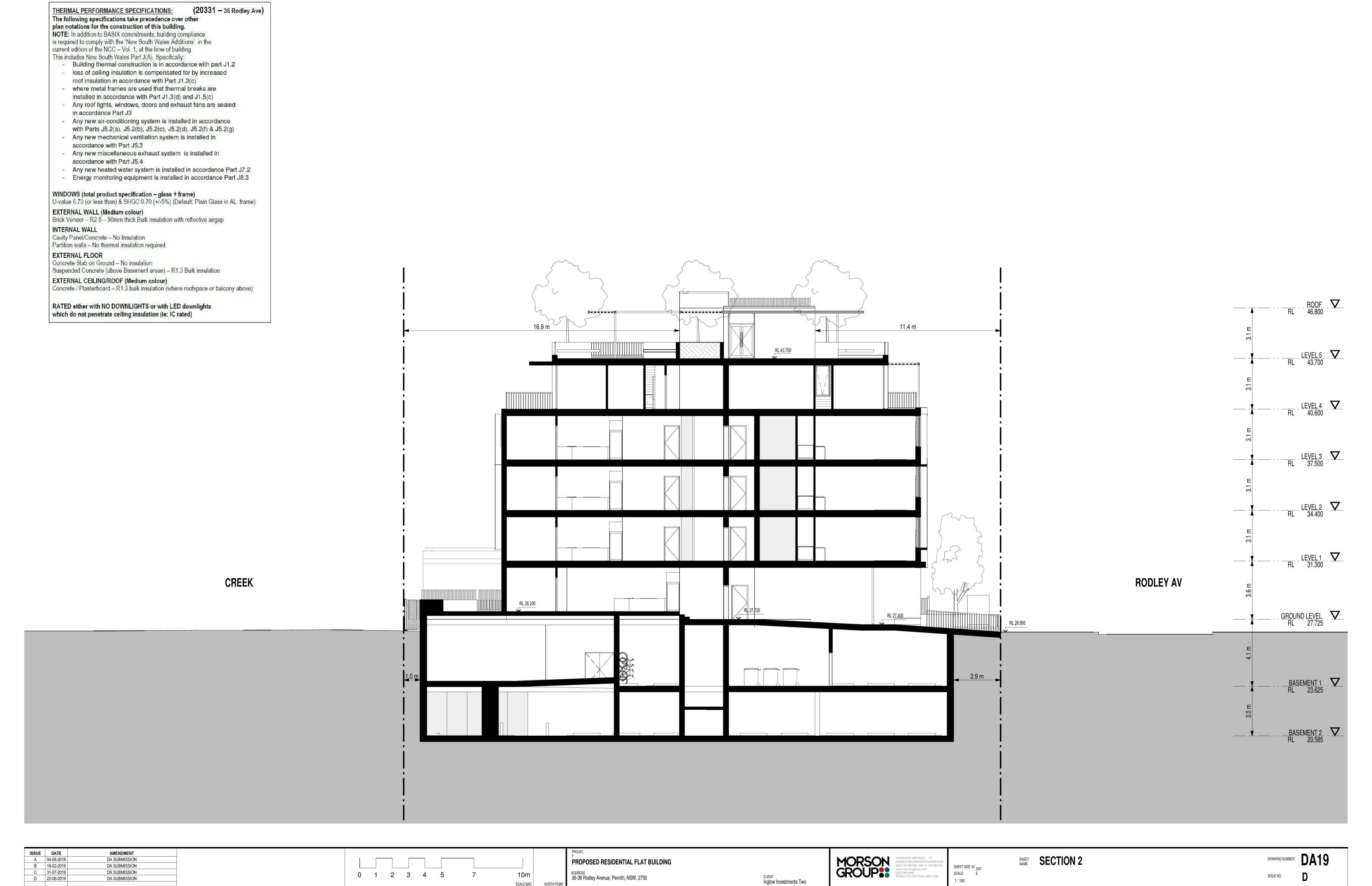
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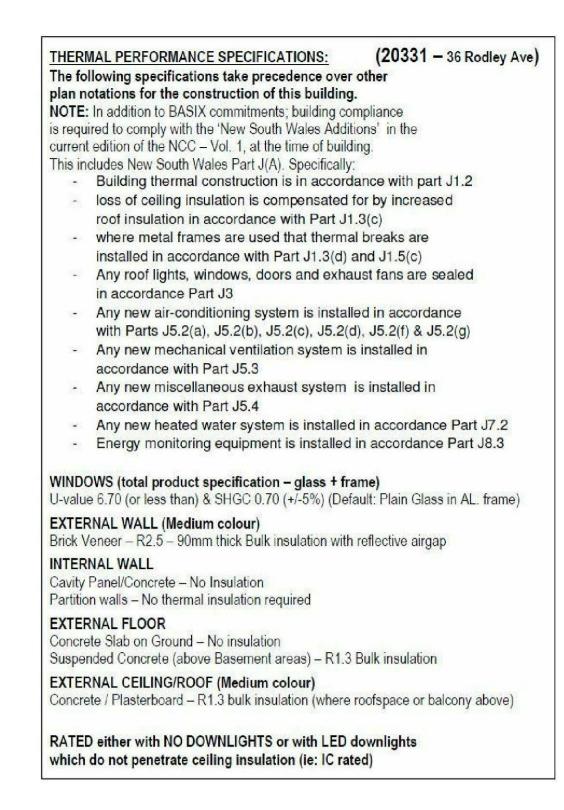
(20331 - 36 Rodley Ave) THERMAL PERFORMANCE SPECIFICATIONS: The following specifications take precedence over other plan notations for the construction of this building. NOTE: In addition to BASIX commitments; building compliance is required to comply with the 'New South Wales Additions' in the current edition of the NCC – Vol. 1, at the time of building. This includes New South Wales Part J(A). Specifically: - Building thermal construction is in accordance with part J1.2 - loss of ceiling insulation is compensated for by increased roof insulation in accordance with Part J1.3(c) where metal frames are used that thermal breaks are installed in accordance with Part J1.3(d) and J1.5(c) - Any roof lights, windows, doors and exhaust fans are sealed in accordance Part J3 - Any new air-conditioning system is installed in accordance with Parts J5.2(a), J5.2(b), J5.2(c), J5.2(d), J5.2(f) & J5.2(g) Any new mechanical ventilation system is installed in accordance with Part J5.3 - Any new miscellaneous exhaust system is installed in accordance with Part J5.4 Any new heated water system is installed in accordance Part J7.2 Energy monitoring equipment is installed in accordance Part J8.3 WINDOWS (total product specification – glass + frame)
U-value 6.70 (or less than) & SHGC 0.70 (+/-5%) (Default: Plain Glass in AL. frame) EXTERNAL WALL (Medium colour)
Brick Veneer – R2.5 – 90mm thick Bulk insulation with reflective airgap INTERNAL WALL Cavity Panel/Concrete - No Insulation Partition walls - No thermal insulation required EXTERNAL FLOOR Concrete Slab on Ground - No insulation Suspended Concrete (above Basement areas) - R1.3 Bulk insulation EXTERNAL CEILING/ROOF (Medium colour) Concrete / Plasterboard – R1.3 bulk insulation (where roofspace or balcony above) RATED either with NO DOWNLIGHTS or with LED downlights which do not penetrate ceiling insulation (ie: IC rated)



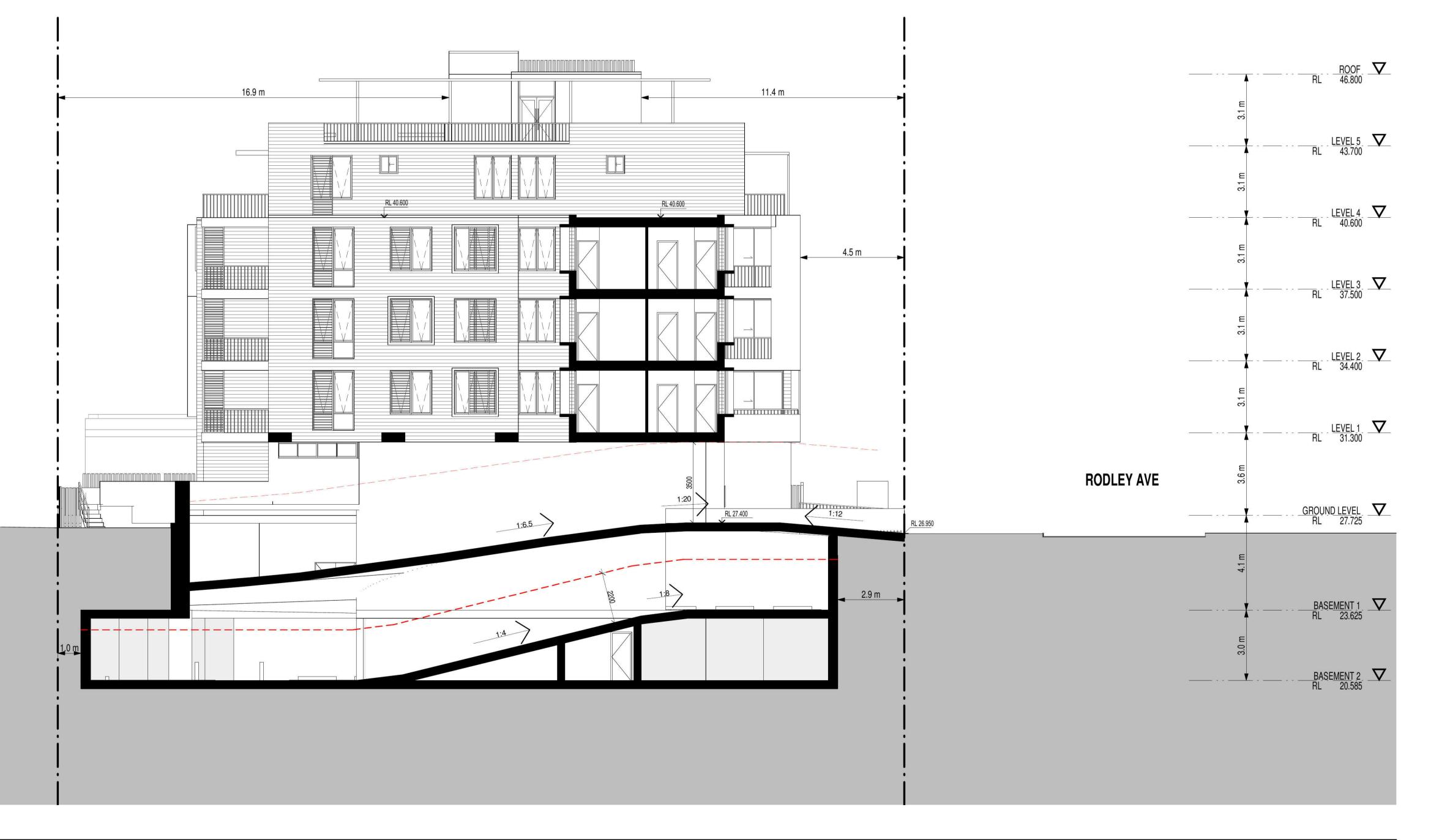
ISSUE DATE	AMENDMENT			PROJEC					BAJE
A 04-09-2018	DA SUBMISSION			PROPOSED RESIDENTIAL FLAT BUILDING		NOMINATED ARCHITECT - P F MORSON REGISTRATION NUMBER 8 100		SHEET ELEVATION EAST	DRAWING NUMBER DA17
B 19-03-2019	DA SUBMISSION			PHOPOSED RESIDENTIAL I LAT BOILDING		MORSON NOMINATED ARCHITECT - P F MORSON REGISTRATION NUMBER 8100 ACN 159 480 056, ABN 41 159 480 056 www.morsongroup.com (02) 9380 4946 (02) 9580 470, Potts Point, NSW 1335	SHEET SIZE: A1 DAT	NAME LLL VAIION LAOI	
C 21-05-2019	DA SUBMISSION	0 1 2 3 4 5 7 10m		ADDRESS		GPOUP (02) 9380 4946	SCALE E		IOULTNO
D 31-07-2019	DA SUBMISSION	0 1 2 3 4 3 7 10111		36-38 Rodley Avenue, Penrith, NSW, 2750	CLIENT	PO Box 170, Potts Point, NSW 1335	1 · 100		ISSUE NO.
E 22-08-2019	DA SUBMISSION	SCALE BAR	NORTH POINT		inglow investments two		1.100		



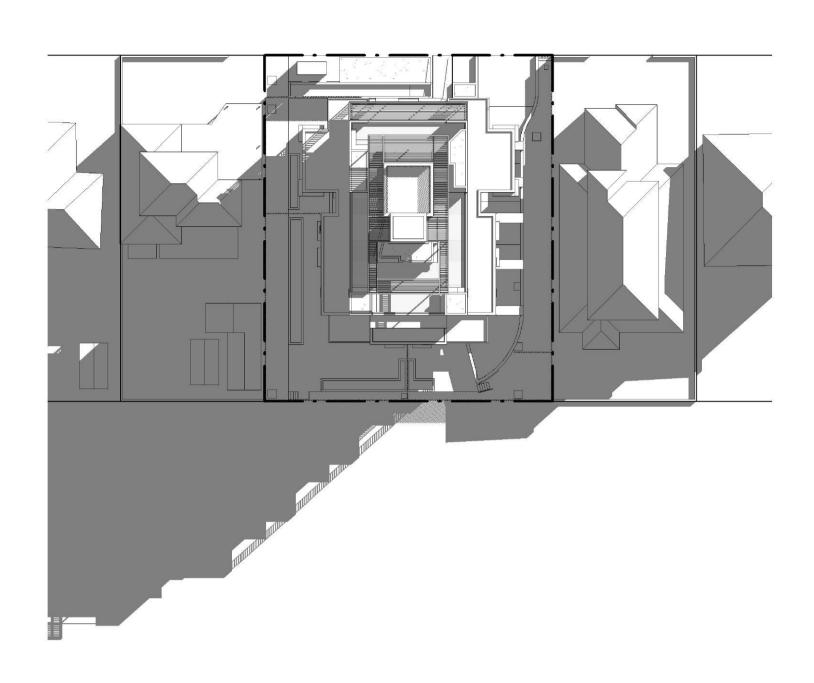


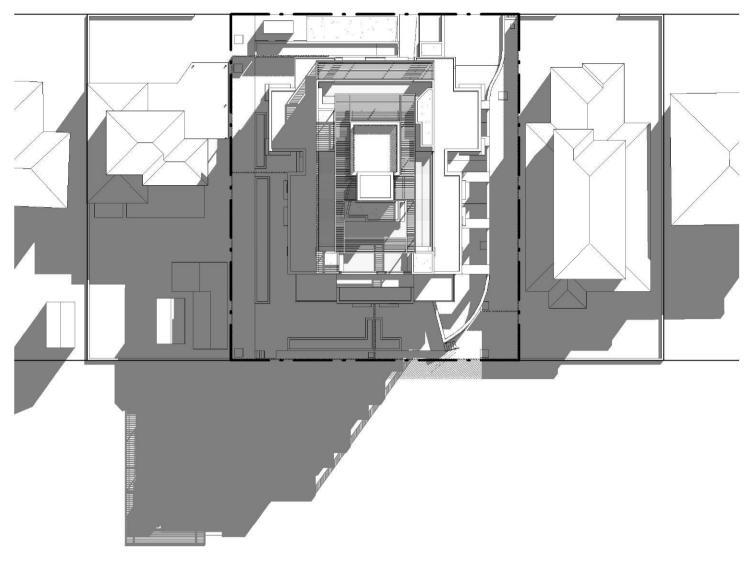


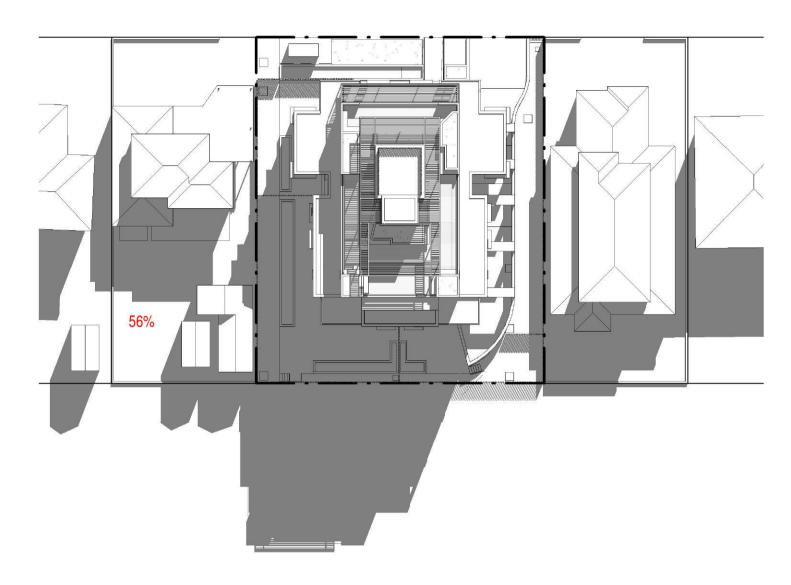
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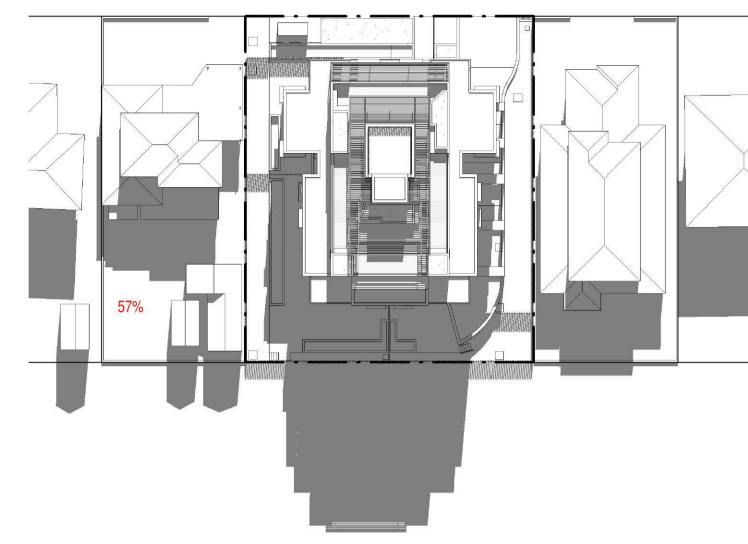


| ISSUE | DATE | A 04-09-2018 | B 31-07-2019 | C 22-08-2019 | **AMENDMENT** DRAWING NUMBER DA20 MORSON GROUP: SHEET SECTION 3 DA SUBMISSION PROPOSED RESIDENTIAL FLAT BUILDING DA SUBMISSION SHEET SIZE: A1 DAT DA SUBMISSION SCALE 1:100 ADDRESS 36-38 Rodley Avenue, Penrith, NSW, 2750 0 1 2 3 4 5 10m CLIENT Inglow Investments Two ISSUE NO.

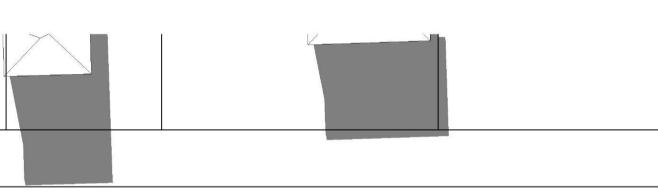




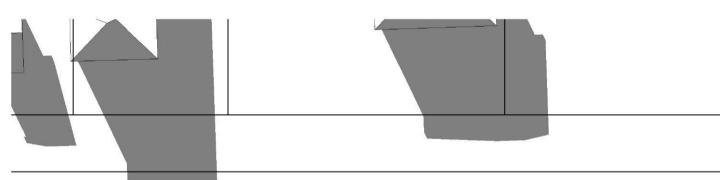




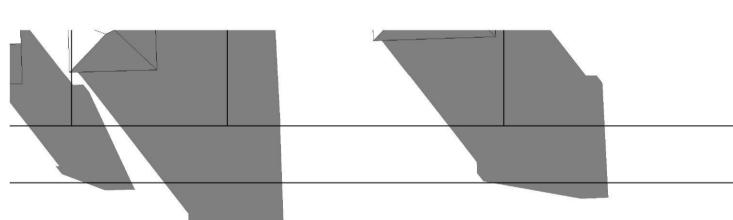




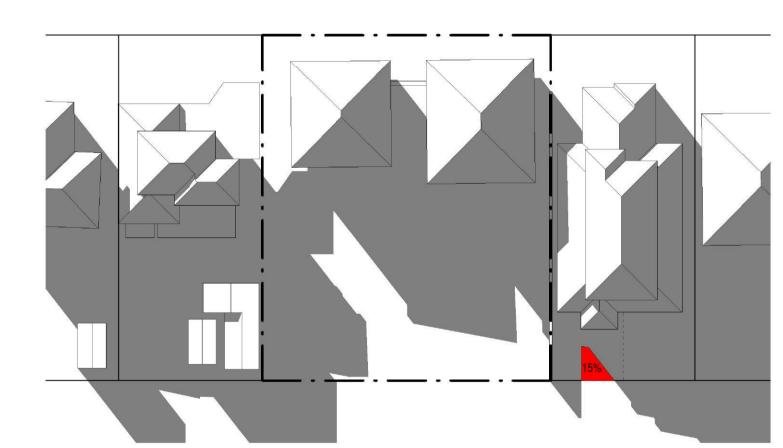


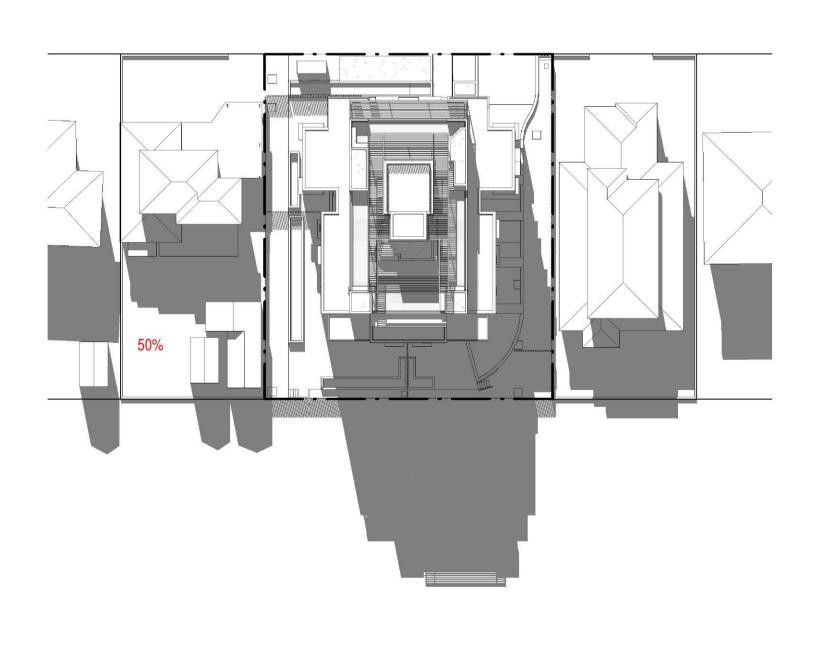


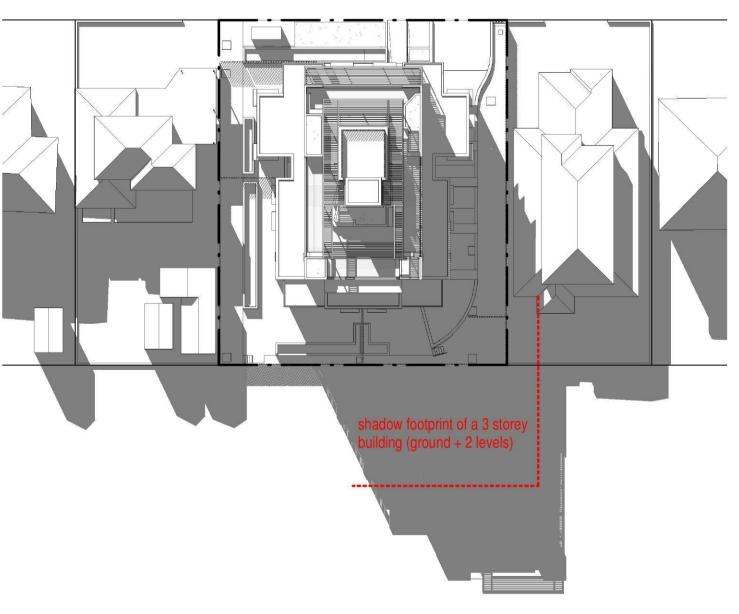














SHADOWS - JUNE 21st 14PM Existing
1:400



SHADOWS - JUNE 21st 13PM

1:400



$\overline{7}$	SHADOWS - JUNE 21st 15P
DA14	1:400

SHADOWS - JUNE 21st 15PM Existing

1:400

ISSUE DATE	AMENDMENT			PROJEC					D 4 0 4
A 04-09-2018	DA SUBMISSION			PROPOSED RESIDENTIAL FLAT BUILDING		MODSON NOMINATED ARCHITECT - PF MORSON REGISTRATION NUMBER 8 100		SHEET SHADOW DIAGRAMS	DRAWING NUMBER DA21
B 19-02-2019	DA SUBMISSION	NORTH	RTH)	THOI COLD REGIDENTIAL FEAT BOILDING		MORSON REGISTRATION NUMBER 8100 ACN 159 480 056, ABN 41 159 480 056 GROUPS (02) 9380 4946 PO Box 170, Potts Point, NSW 1335	SHEET SIZE: A1 DAT	NAME OTTADOTT DIAGITATIO	
C 21-05-2019	DA SUBMISSION			ADDRESS	0.1515	(92) 9380 4946	SCALE E		ISSUE NO.
D 31-07-2019	DA SUBMISSION			36-38 Rodley Avenue, Penrith, NSW, 2750	Inglow Investments Two	PO Box 170, Potits Point, NSW 1335	1:400		1350E NO.
E 22-08-2019	DA SUBMISSION	SCALE BAR NORTH	RTH POINT	,	inglow investments two		1.0.000		









ISSUE DATE	AMENDMENT	PROJEC		D.100
A 04-09-2018	DA SUBMISSION	PROPOSED RESIDENTIAL FLAT BUILDING	MORSON NOMINATED ARCHITECT - P. F. MORSON REGISTRATION NUMBER 8100 SHEET NAME VIEWS	DA22
B 19-02-2019	DA SUBMISSION	PHOPOSED RESIDENTIAL FEAT BOILDING	CLIENT NOMINATED ARCHITECT - P F MORSON REGISTRATION NUMBER 8100 ACN 159 480 056, ABN 41 159 480 056 Www.morsongroup.com (02) 9380 4946 PO Box 170, Polts Point, NSW 1335 NOMINATED ARCHITECT - P F MORSON REGISTRATION NUMBER 8100 ACN 159 480 056, ABN 41 159 480 056 SHEET SIZE: A1 DAT SCALE SHEET SIZE: A1 DAT SCALE	Unli
C 31-07-2019	DA SUBMISSION	ADDRESS	GROUPE (02) 9380 4946 SCALE E	ICCUIT NO.
D 22-08-2019	DA SUBMISSION	36-38 Rodley Avenue, Penrith, NSW, 2750	CLIENT PO Box 170, Potts Point, NSW 1335	ISSUE NO.



AB-Bricks-Whitsunday Brampton 230x76-110-240-NAT

Level 1-4



Dulux Eternity Titanium Pearl Satin 90087728

Louvres and Window Frames



Render Painted Finish Dulux Chanson Grey

Ground level and level 5



Render Painted Finish
Dulux Charcoal Essence 88590

Balconies and Awnings

ISSUE	DATE	AMENDMENT
Α	19-02-2019	DA SUBMISSION
В	31-07-2019	DA SUBMISSION

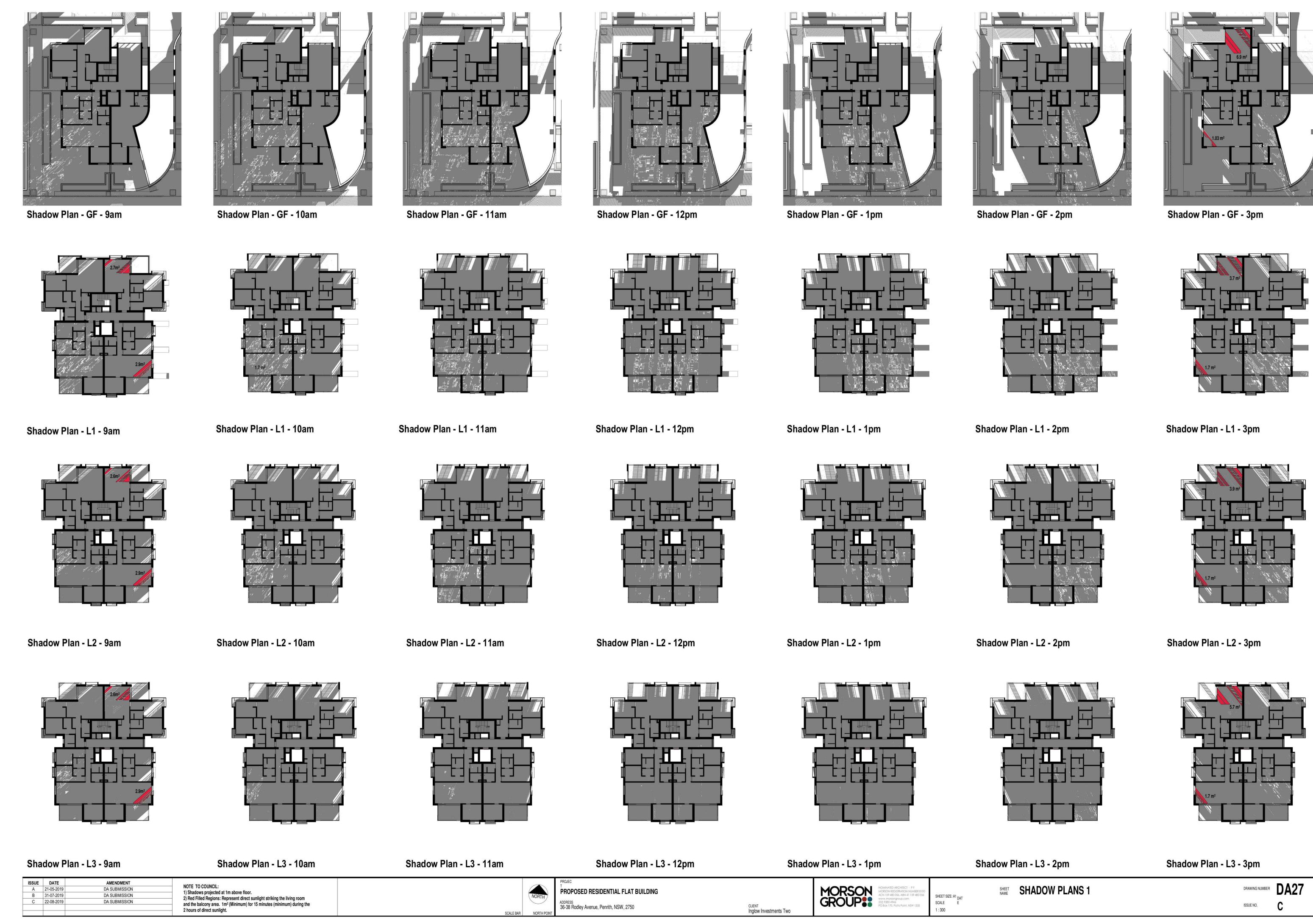
PROPOSED RESIDENTIAL FLAT BUILDING

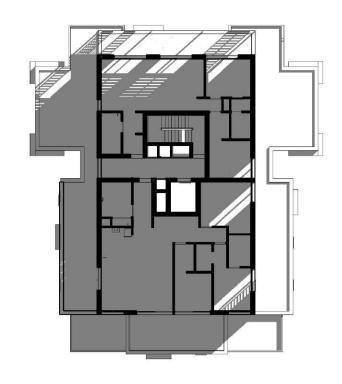
ADDRESS
36-38 Rodley Avenue, Penrith, NSW, 2750

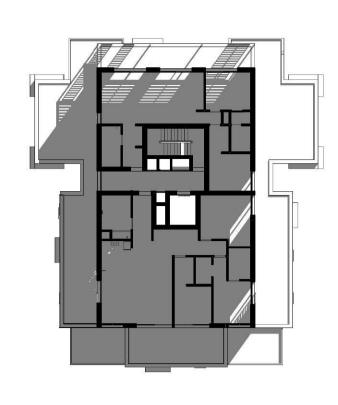
MORSON MORSO ACN 15 GROUP (22) 938 PO Box

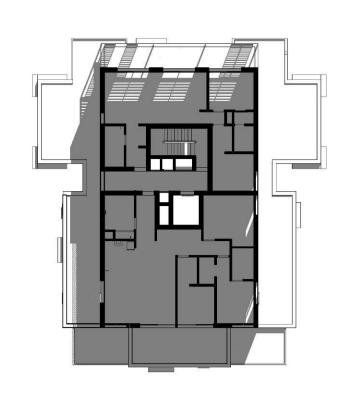
CLIENT Inglow Investments Two SHEET MATERIAL SCHEDULE

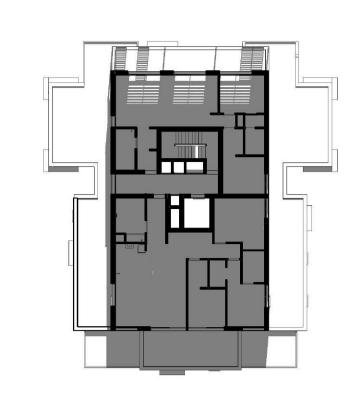
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ISSUE NO. B

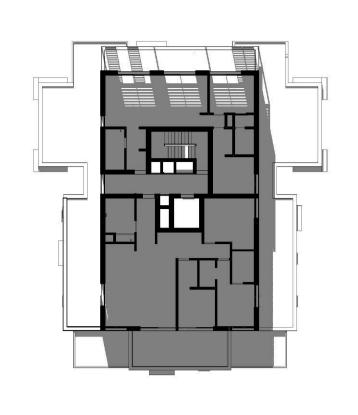


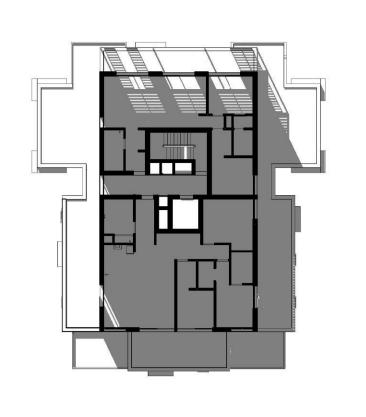


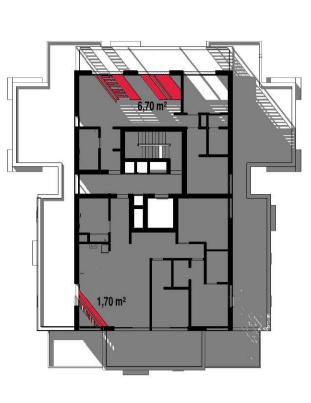












Shadow Plan - L4 - 9am

Shadow Plan - L4 - 10am

Shadow Plan - L4 - 11am

Shadow Plan - L4 - 12pm

Shadow Plan - L4 - 1pm

Shadow Plan - L4 - 2pm

Shadow Plan - L4 - 3pm

 ISSUE
 DATE
 AMENDMENT

 A
 21-05-2019
 DA SUBMISSION

 B
 31-07-2019
 DA SUBMISSION

 C
 22-08-2019
 DA SUBMISSION

NOTE TO COUNCIL:

1) Shadows projected at 1m above floor.

2) Red Filled Regions: Represent direct sunlight striking the living room and the balcony area. 1m² (Minimum) for 15 minutes (minimum) during the 2 hours of direct sunlight.



PROPOSED RESIDENTIAL FLAT BUILDING

ADDRESS
36-38 Rodley Avenue, Penrith, NSW, 2750



CLIENT Inglow Investments Two

NOMINATED ARCHITECT - P F
MORSON REGISTRATION NUMBER 8100
ACN 159 480 056, ABN 41 159 480 056
www.morsongroup.com
(02) 9380 4946
PO Box 170, Potts Point, NSW 1335

1:300

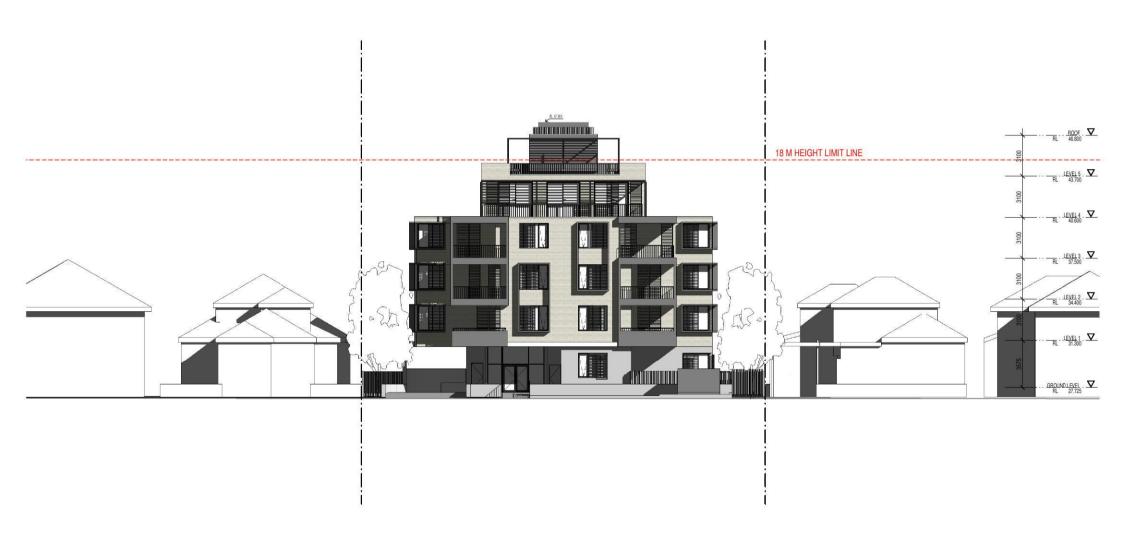
SHADOW PLANS 2

DRAWING NUMBER DAS

36-38 Rodley Avenue, Penrith, NSW, 2750



| MORE |



ISSUE	DATE	AMENDMENT			PROJEC		2012/3 5 50		NOTIFICATION BLAN, MORTH ELEVATION	D.4.0.4
A	22-08-2019	9 DA SUBMISSION			PROPOSED RESIDENTIAL FLAT BUILDING		MORSON	EHEET SIZE AT DATE	NOTIFICATION PLAN - NORTH ELEVATION	DRAWNS NAMEER DA31
=		0			ACOPERS 36-38 Rodley Avenue, Pernith, NSW, 2750		GROUP	BCALE E		ISSUENO.
Docum	nent	r Set ID: 8825504	SCHEBA	NORTH POINT	36-38 Rodley Avenue, Pernith, NSW, 2750	CUENT Inglow Investments Two	GROUP COAL DE AMERICAN CONTENT	1:100		



ISS	UE DA	DATE AMENDMENT		7	PROJEC		12122 S (2)			-	2400
	A 22-05	08-2019 DA SUBMISSION			PROPOSED RESIDENTIAL FLAT BUILDING		MORSON	autor part to	NOTIFICATION PLAN - SOUTH ELEVATION	DRAWING NUMBER	DA32
	8				ADDRESS 36.38 Bodley Avenue Perrith NSW 2750	CLIENT	MORSON GROUP:	BCALE E		ISSUENO.	Δ
Doc	ume	ent Set ID: 8825504	SCALE BAR	NORTH POINT	00 00 11000) 110100 11011 1011 1010	Inglow investments Two		1:100			Att [



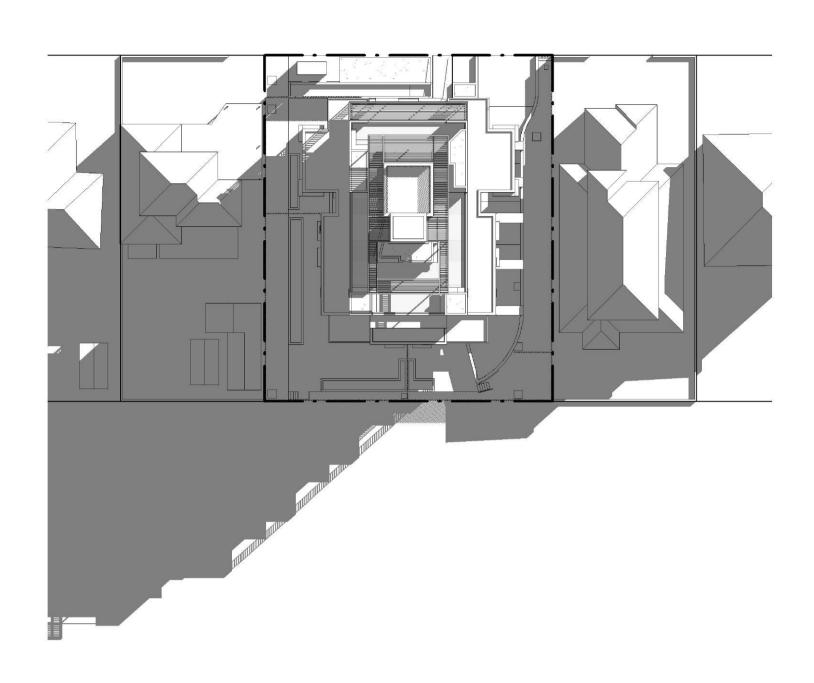
IS	UE DAT	E AMENDMENT		PROJEC		121212 5 121				D 400
	22:08:	2019 DA SUBMISSION		PROPOSED RESIDENTIAL FLAT BUILDING		MORSON GROUP##	many part as	NOTIFICATION PLAN - EAST ELEVATION	DRAWING NUMBER	■ DA33
	- 8			ACCHESS		GROUP	BCALE E			A
Doc	ıma	nt Set ID: 8825504	SCALEBAR NORTH POINT	36-38 Rodley Avenue, Pernith, NSW, 2750	Inglow Investments Two	CALCOLI CO POLICIONE LA CALCADA	1:100		ISSUE NO.	А

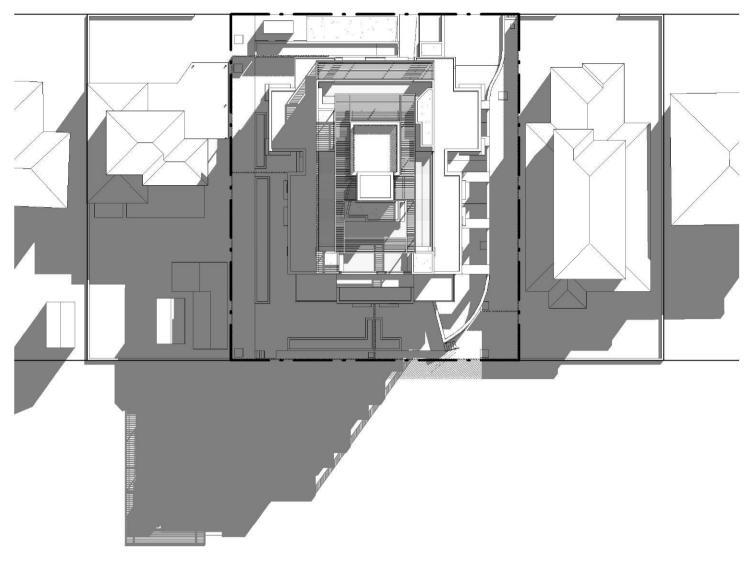


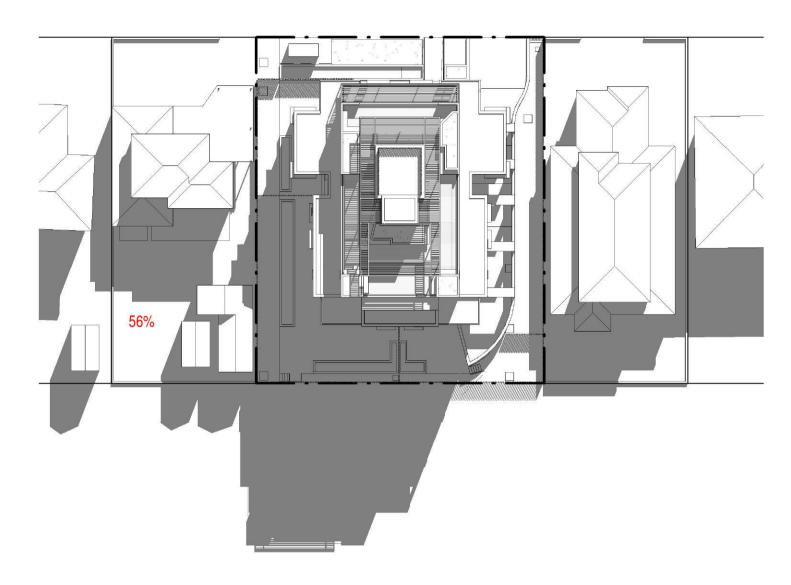
WASCONDING OF THE PROPOSED RESIDENTIAL FLAT BUILDING

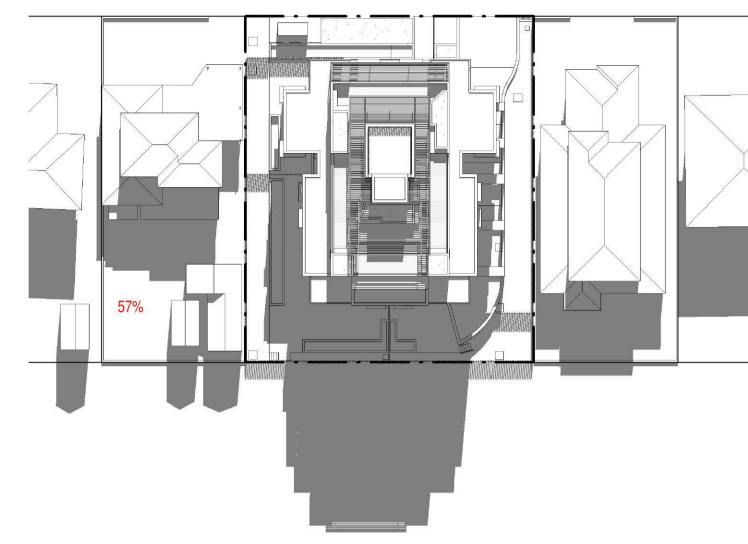
DOCUMENT Set 1D: 8825504

DOCUMENT SET 1D:

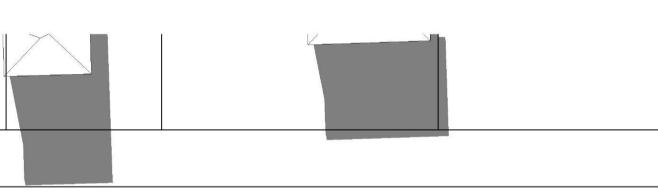




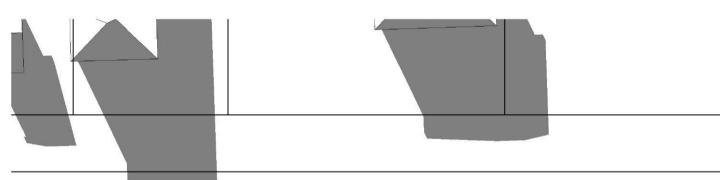




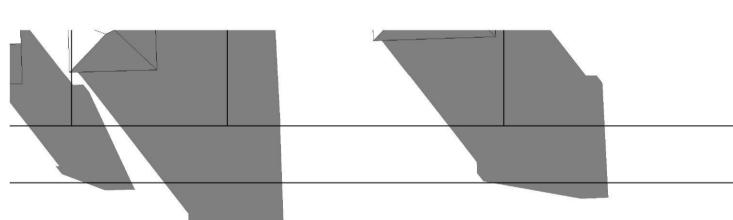




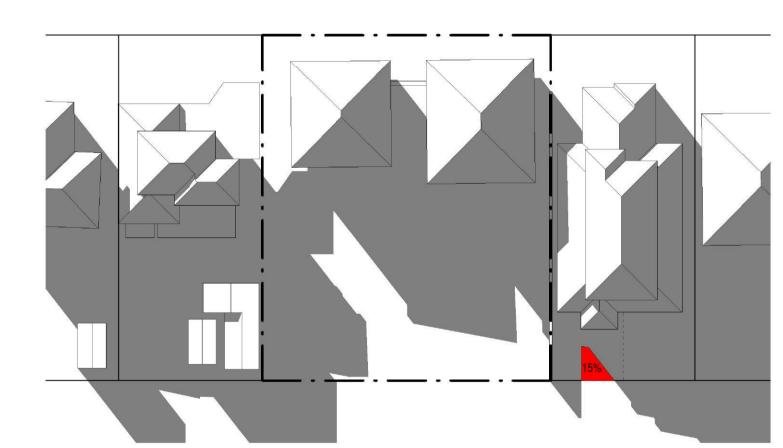


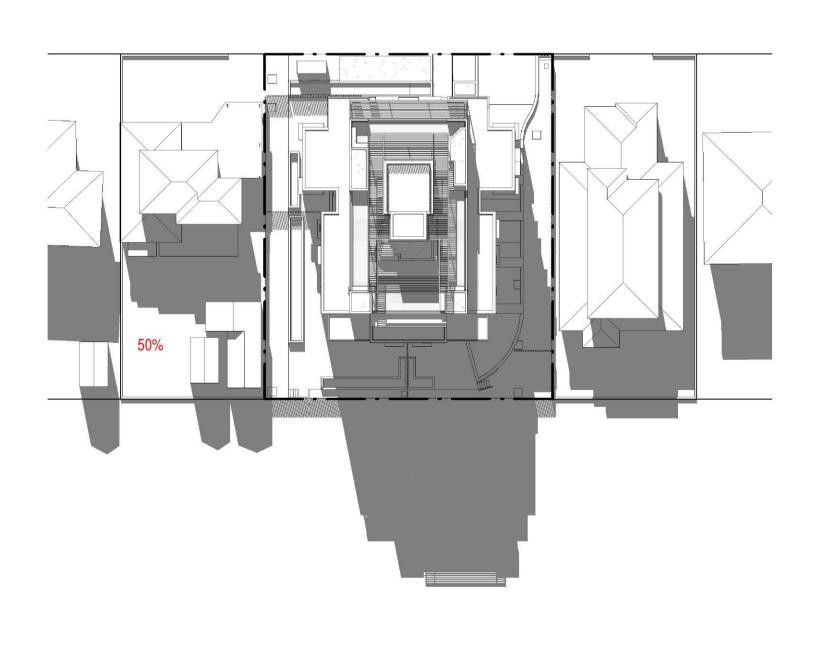


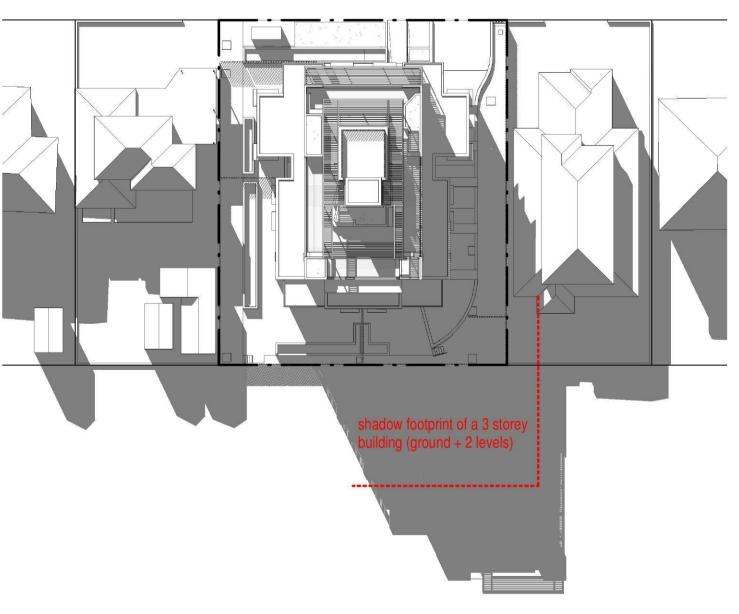














SHADOWS - JUNE 21st 14PM Existing
1:400



SHADOWS - JUNE 21st 13PM

1:400



$\overline{7}$	SHADOWS - JUNE 21st 15P
DA14	1:400

SHADOWS - JUNE 21st 15PM Existing

1:400

ISSUE DATE	AMENDMENT			PROJEC					D 4 0 4
A 04-09-2018	DA SUBMISSION			PROPOSED RESIDENTIAL FLAT BUILDING		MODSON NOMINATED ARCHITECT - PF MORSON REGISTRATION NUMBER 8 100		SHEET SHADOW DIAGRAMS	DRAWING NUMBER DA21
B 19-02-2019	DA SUBMISSION	NORTH	RTH)	THOI COLD REGIDENTIAL FEAT BOILDING		MORSON REGISTRATION NUMBER 8100 ACN 159 480 056, ABN 41 159 480 056 GROUPS (02) 9380 4946 PO Box 170, Potts Point, NSW 1335	SHEET SIZE: A1 DAT	NAME OTTADOTT DIAGITATIO	
C 21-05-2019	DA SUBMISSION			ADDRESS	0.1515	(92) 9380 4946	SCALE E		ISSUE NO.
D 31-07-2019	DA SUBMISSION			36-38 Rodley Avenue, Penrith, NSW, 2750	Inglow Investments Two	PO Box 170, Potits Point, NSW 1335	1:400		1350E NO.
E 22-08-2019	DA SUBMISSION	SCALE BAR NORTH	RTH POINT	,	inglow investments two		1.0.000		

SW100

RESIDENTIAL DEVELOPMENT 36-38 RODLEY AVENUE, PENRITH STORMWATER CONCEPT DESIGN



		DRAWINGS LIST	
SHEET No.	DWG No.	TITLE	REV
1	SW100	COVER SHEET	С
2	SW200	STORMWATER CONCEPT DESIGN - BASEMENT PLAN	C
3	SW201	STORMWATER CONCEPT DESIGN - GROUND FLOOR PLAN	С
4	SW202	STORMWATER CONCEPT DESIGN - ROOF PLAN	С
5	SW300	STORMWATER CONCEPT DESIGN - DETAILS SHEET - SHEET 1 OF 2	С
6	SW301	STORMWATER CONCEPT DESIGN - DETAILS SHEET - SHEET 2 OF 2	С
7	SW400	EROSION AND SEDIMENT CONTROL - PLAN AND DETAILS	С
8	SW500	STORMWATER CONCEPT DESIGN - MUSIC CATCHMENT PLAN	С

LOCALITY PLAN NOT TO SCALE COPYRIGHT OF SIX MAPS



PREPARED BY: SGC Consulting Engineers Suite 5.03, Level 5 156 Pacific Highway St. Leonards, NSW 2065 T: +61 2 8883 4239 Email: office@sgce.com.au Web: www.sgce.com.au

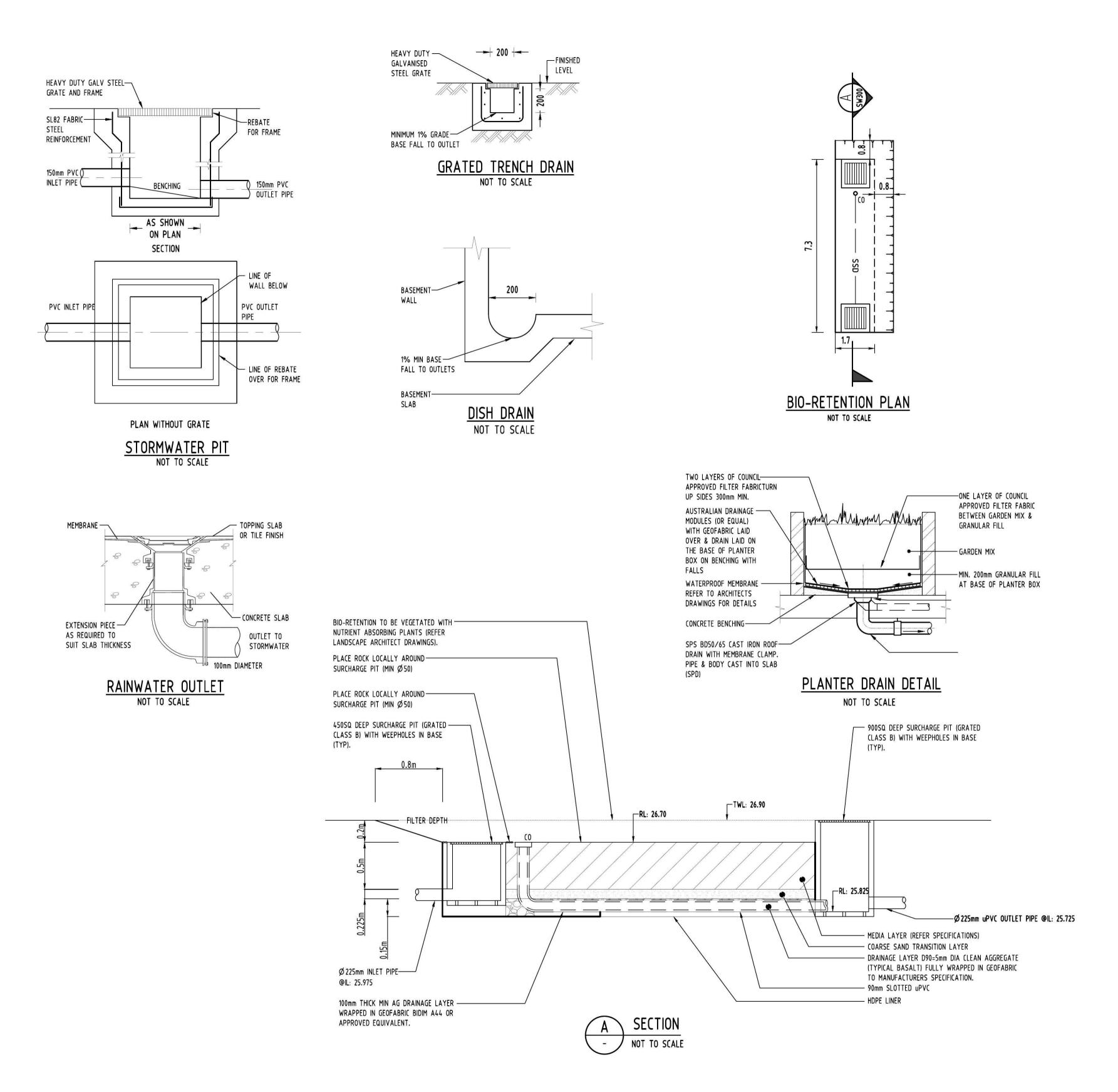
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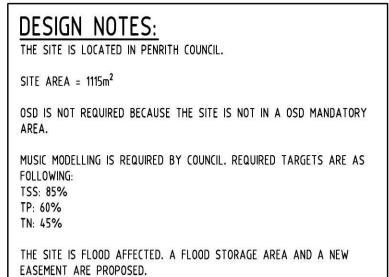


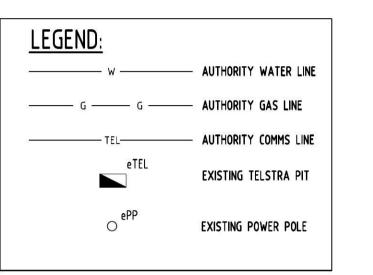
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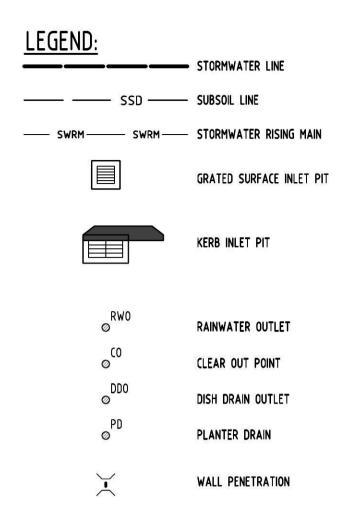
INGLOW INVESTMENT TWO PTY LTD



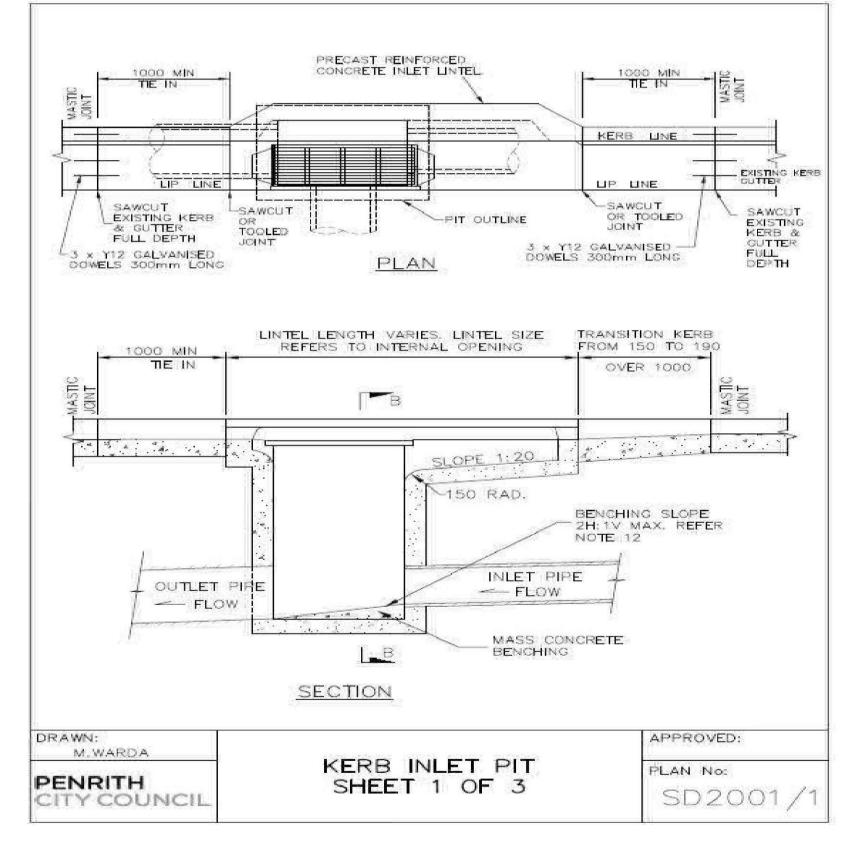








SERVICES SHOWN ON PLAN ARE INDICATIVE, EXACT DEPTH AND LOCATION TO BE CONFIRMED ONSITE. CONTRACTOR TO CARRY OUT DIAL BEFORE YOU DIG APPLICATION AND ENGAGE A REGISTERED SURVEYOR TO PEG OUT ALL EXISTING SERVICES PRIOR TO ANY WORK COMMENCING ONSITE.



KERB INLET PIT DETAILS

NOT TO SCALE



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ARE TO BE CHECKED PRIOR TO COMMENCEMENT OF WORK, REPORT ANY DISCREPANCIES TO THE CONSULTING ENGINEER FOR DECISION/CLARIFLATION BEFORE PROCEEDING WITH THE WORK, THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND OTHER CONSULTANTS'

DRAWINGS.

CHECKED

CHECKED

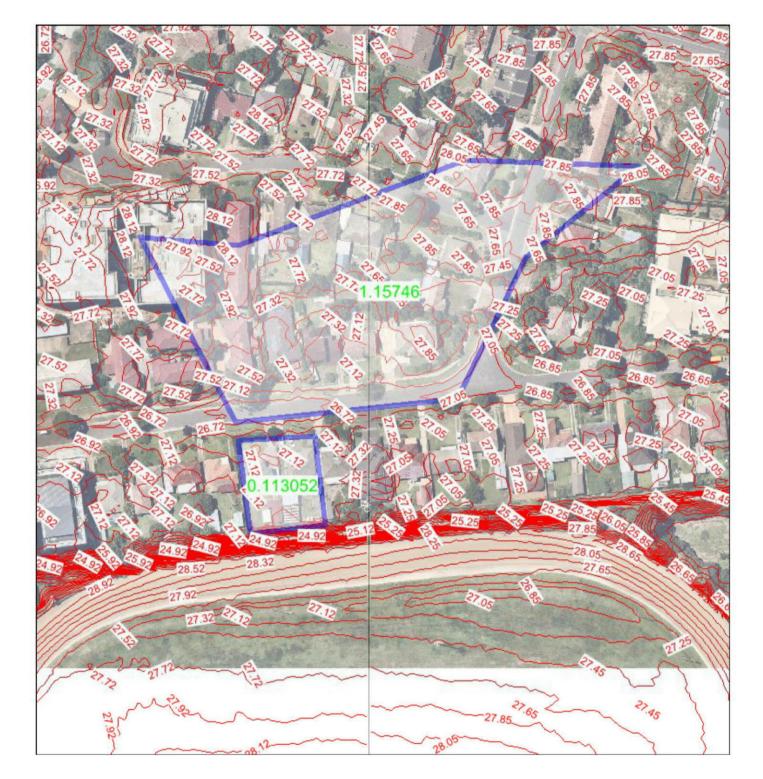
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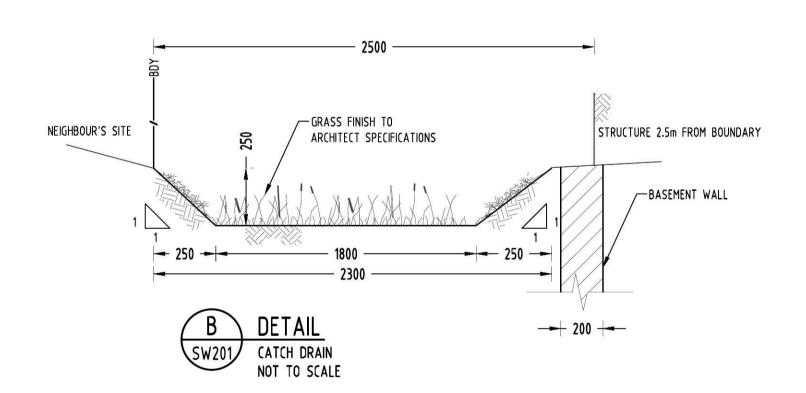
DESIGNED

VERIFIED

VERIFIED DATE AMENDED TO SUIT ARCHITECTURAL PLAN T: +61 2 8883 4239 FZ 12.07.2019 1 MECH FZ 01.02.2019 2 ELEC AMENDED TO SUIT ARCHITECTURAL PLAN DETAILS SHEET 36-38 RODLEY AVENUE Email: office@sgce.com.au SCALE 1:100 ON ORIGINAL SIZE FOR DA SUBMISSION DATE SHEET 1 OF 2 LN 24.08.2018 2 HYD Web: www.sgce.com.au PENRITH by Date Status FIRE Issue Last revision title DATE Issuer internal sequence and revision history LANDS Datum Scale (at original size) Engineering Value CIVIL 2-development application APPROVED DATE 3-construction certificate A.H.D. 5 OF 8 1:100 @ A1 A.B.N. 21 118 222 530 4-tender 5-construction 6-other SURVEY







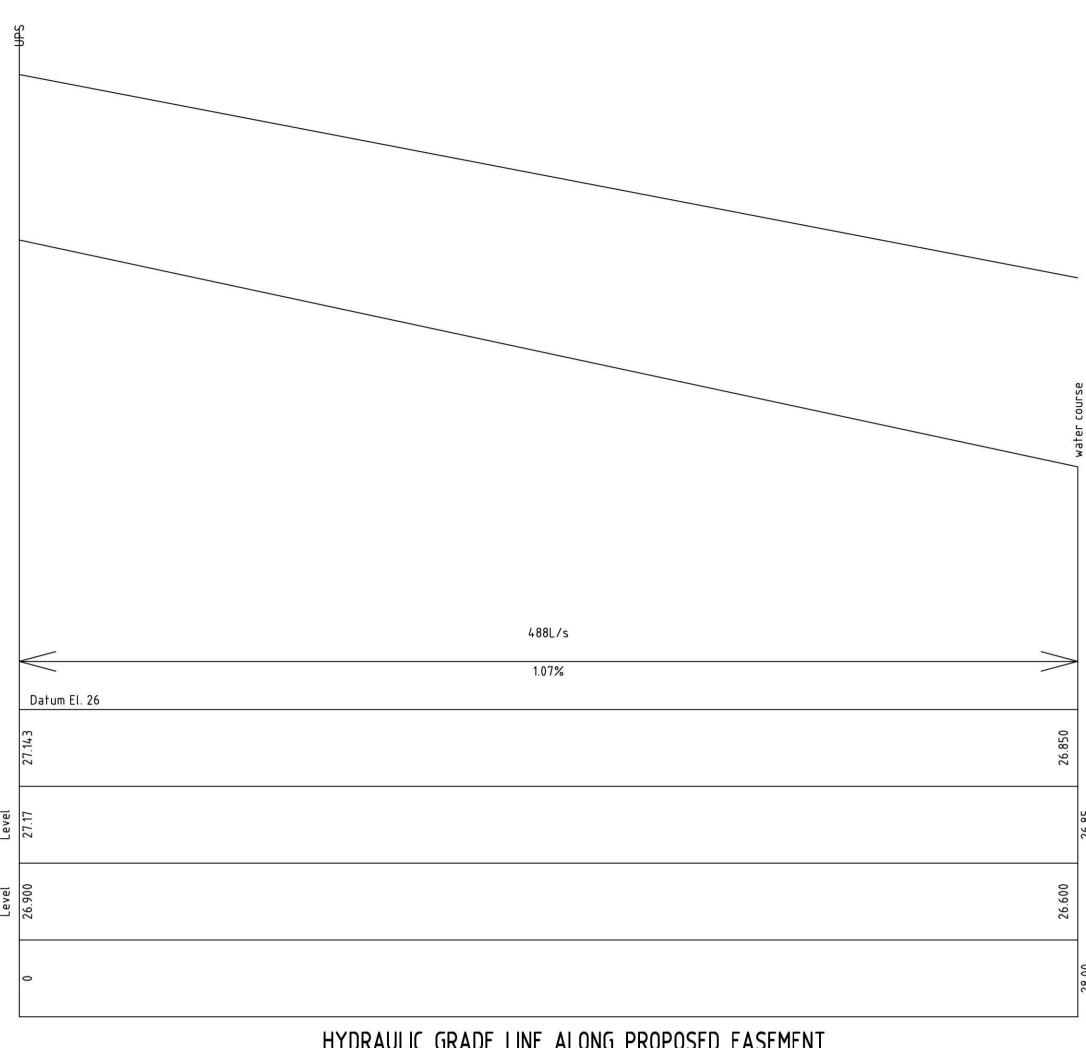
CATCHMENTS RUNOFF CALCULATIONS

UPSTREAM CATCHMENT AREA = 1.15746ha

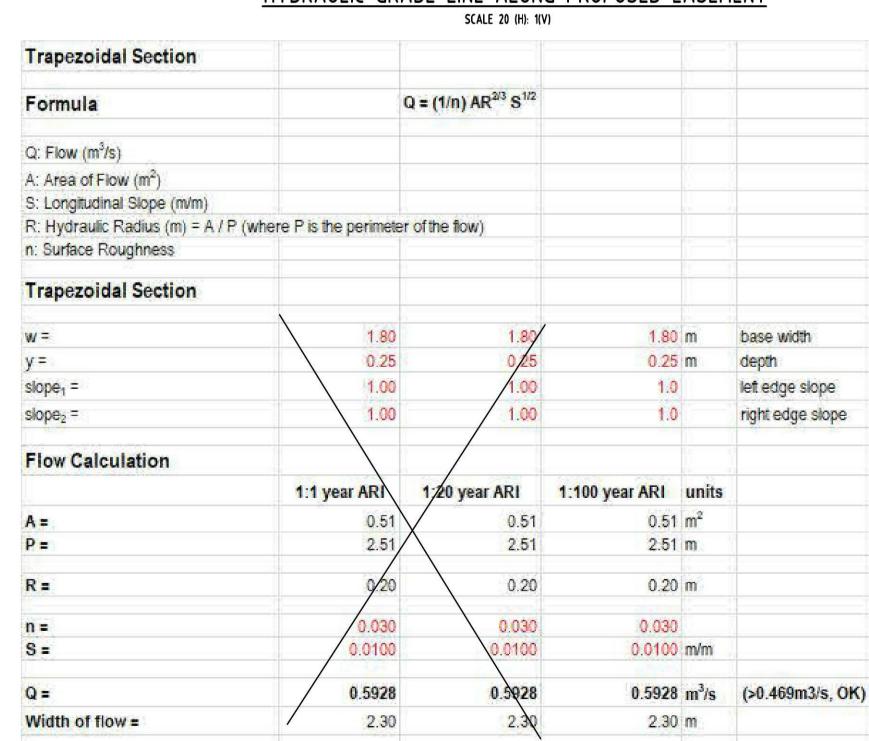
SLOPE = 0.0089m/m n = 0.08 (NORMAL RESIDENTIAL) L = 150m (LONGEST DISTANCE OF TRAVEL) Tc = 15mins 1₁₀₀15 = 164mm/hr

f = 0.72 (72% IMPERVIOUS - OLDER RESIDENTIAL LOT ONLY) c_{10} = 0.74 c_{100} = 0.89

 $a_{100} = 0.89 \times 197 \times 19557 / 3600 = 0.469 \text{m}^3 / \text{s}$



HYDRAULIC GRADE LINE ALONG PROPOSED EASEMENT



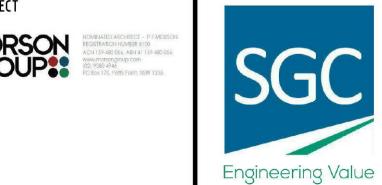
CATCH DRAIN CAPACITY CALCULATION NOT TO SCALE



			9								
			Reference Coordination Drawing				ENGINEERS	QUALITY CONTROL		WARNING: THE DESIGNS, DRAWINGS, SPECIFICATIONS AND THE COPYRIGHT HEREIN REMAIN THE SOLE INTELLECTUAL PROPERTY OF SAG CONSULTANTS PTY LTD AND MUST NOT BE USED.	Sco
ļ			Discipline	Drawing Title and Number	Date	Rev.	AUSTRALIA Chartered Professional Engineer MEMBER	DRAWN	DATE	COPIED, ALTERED OR REPRODUCED WHOLLY OR IN PART IN ANY FORM WITHOUT THE WRITTEN CONSENT OF S&G CONSULTANTS	
1	C FOR DA RESUBMISSION FZ 30.07	07 2010 2	ARCH							PTY LTD	
	P3 AMENDED TO SUIT ARCHITECTURAL PLAN FZ 12.07	07 2019 1	ARCH STRUCT		E 5		DIMENSIONS NOT SHOWN TO BE CHECKED ON SITE.	CHECKED	DATE		
	P2 AMENDED TO SUIT ARCHITECTURAL PLAN FZ 12.07	07 2010 1	MECH				DO NOT SCALE OF THIS DRAWING, POSITIONS OF AUTHORITIES MAINS AND/OR EXISTING SERVICES				
22		02 2010 2	FLEC				ARE TO BE CHECKED PRIOR TO COMMENCEMENT OF WORK, REPORT ANY DISCREPANCIES TO THE	DESIGNED	DATE		
AR.	A FINAL ISSUE LN 24.08	J8.2018 2	HYD								
	Issue Last revision title by Da	Date Status	FIRE				CONSULTING ENGINEER FOR DECISION/CLARIFICATION BEFORE PROCEEDING WITH THE WORK. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE	VERIFIED	DATE		
**	Issuer internal sequence and revision history	LANDS			SPECIFICATIONS AND OTHER CONSULTANTS' DRAWINGS.						
∄	1-preliminary 2-development application 3-construction certificate			CIVIL				APPROVED DATE			
8	4-tender 5-construction 6-other	Į.	SURVEY								

SCALE 1:100 ON ORIGINAL SIZE

ARCHITECT INGLOW INVESTMENT MORSON GROUP\$\$ TWO PTY LTD



Suite 5.03, Level 5, 156 PACIFIC HIGHWAY, Web: www.sgce.com.au

A.B.N. 21 118 222 530

PROJECT PROPOSED RESIDENTIAL ST. LEONARDS, NSW 2065
T: +61 2 8883 4239
Email: office@sgce.com.au

DEVELOPMENT
36-38 RODLEY AVENUE **PENRITH**

Datum

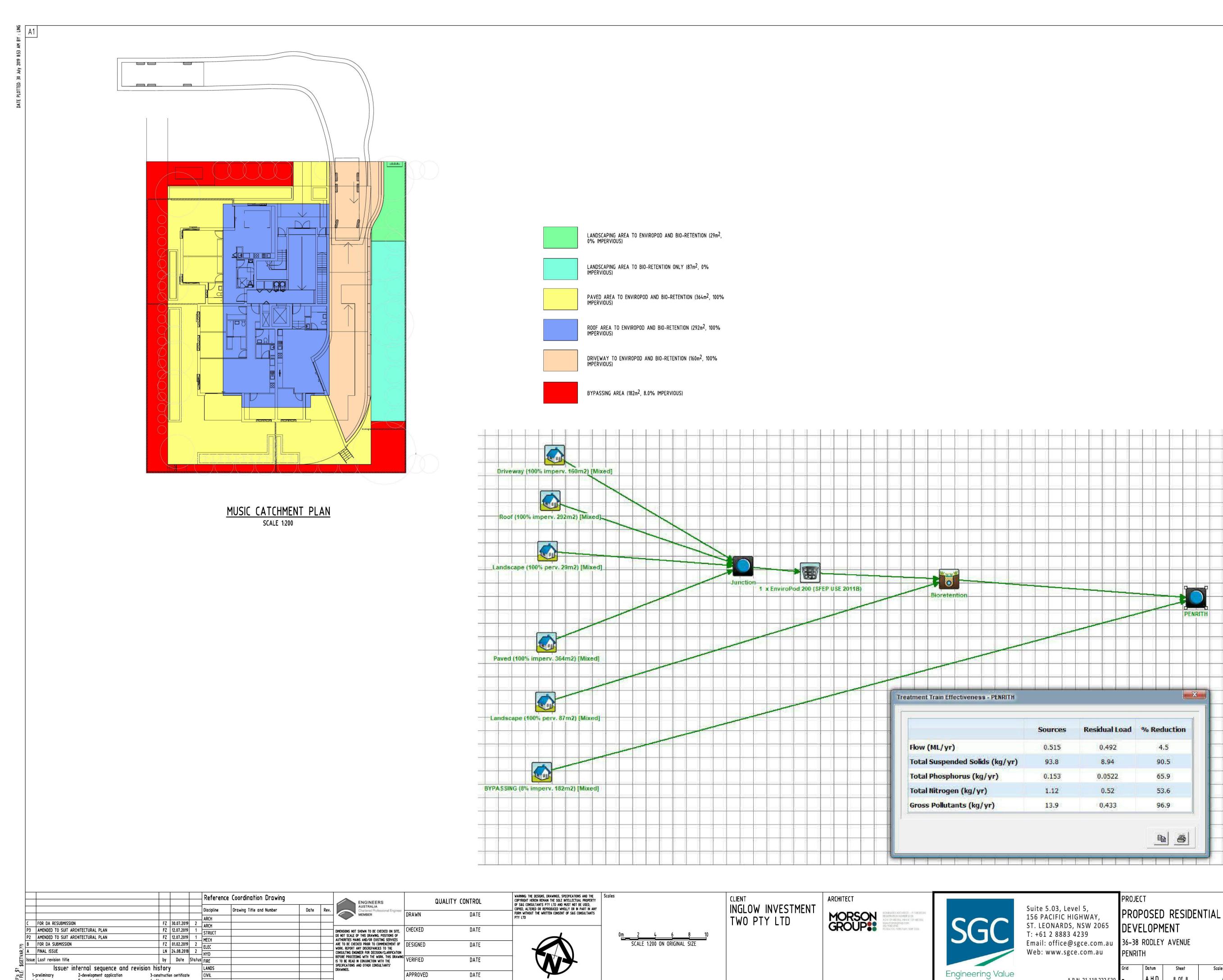
A.H.D.

6 OF 8

1:100 @ A1

FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES STORMWATER CONCEPT DESIGN DETAILS SHEET SHEET 2 OF 2

Drawing No Scale (at original size) 20180061 SW301



Document Set ID: 8825504 Version: 1, Version Date: 26/08/2019

5-construction

6-other

SURVEY

4-tender

Scale (at original size) AS SHOWN

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION PURPOSES

STORMWATER CONCEPT DESIGN

MUSIC CATCHMENT PLAN

4.5

90.5

65.9

53.6

96.9

A.H.D.

A.B.N. 21 118 222 530

8 OF 8