# GENERAL HOUSING DEVELOPMENT 47-49 Close St, PARKES

Lots 437 and 438 of DP7501079

55151 65145		<b>—</b> •				
DEVELOPME	NI DA	ΛA				
JOB REFERENCE	BGZQQ					
LOCALITY / SUBURB	PARKES					
STREET ADDRESS	47-49 Close Street					
LOT NUMBER & DEPOSITED PLAN	Lots 437 and 438 in DP 750179					
SITE AREA (sqm)	2,023 m2 – sourced from Survey					
NUMBER OF EXISTING LOTS	2					
PROPOSED GFA (sqm)	587m2					
NUMBER OF DWELLINGS	9 dwellings (4 x 1 bed + 5 x 2bed					
DWELLINGS	UNIT NO.	TYPE	NO. OF BEDROOMS	Internal Area	POS required	POS proposed
				sqm	sqm	sqm
	1	Adaptable	2	73m <sup>2</sup>	15m <sup>2</sup>	20m <sup>2</sup>
	2	Gold Livable	2	72m <sup>2</sup>	15m <sup>2</sup>	24m <sup>2</sup>
	3	Gold Livable	1	52m <sup>2</sup>	15m <sup>2</sup>	24m <sup>2</sup>
	4	Gold Livable	2	72m <sup>2</sup>	15m <sup>2</sup>	52m <sup>2</sup>
	5	Gold Livable	1	52m <sup>2</sup>	15m <sup>2</sup>	28m <sup>2</sup>
	6	Gold Livable	1	52m <sup>2</sup>	15m <sup>2</sup>	26m <sup>2</sup>
	7	Gold Livable	2	72m <sup>2</sup>	15m <sup>2</sup>	44m <sup>2</sup>
	8	Gold Livable	1	52m <sup>2</sup>	15m <sup>2</sup>	26m <sup>2</sup>
	9	Gold Livable	2	72m <sup>2</sup>	15m <sup>2</sup>	48m <sup>2</sup>
	TOTAL			569		292
	CONTROL		REQUIREMENT		PROPOSED	
BUILDING HEIGHT	Housing SEPP Division 6-42(1)(b)		9m		5.5m at highest point	
	Parkes Shire DCP (part C3.6)		9m			

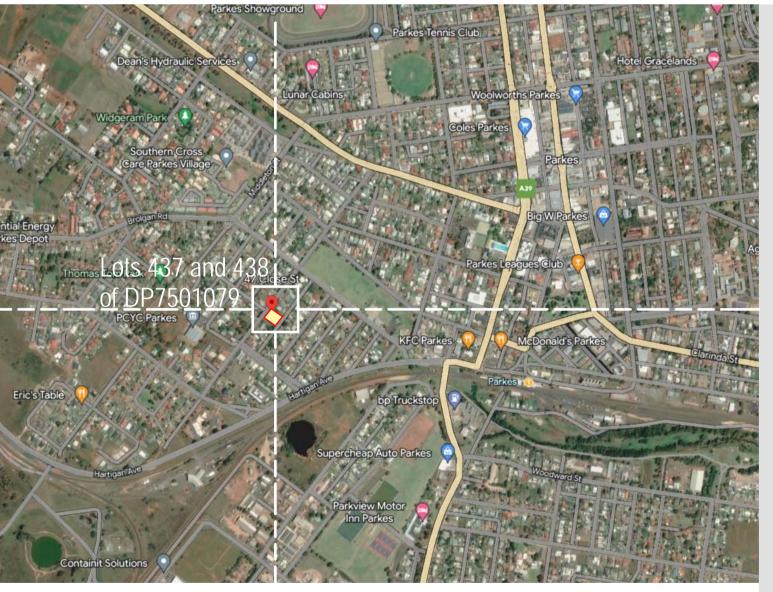
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	Parkes Shire	DCP (part C3.6) 9m			
PARKING General	Housing SEPI (Division 6-42 (1) (e)		0.5 parking spaces 1 parking spaces	7 carspaces	
Adaptable	None	None	·	1 carspace to AS2890.6	
FSR	Parkes Shire	DCP (part C3.6) not n	oted	0.34:1	
FRONT SETBACK	Parkes Shire DCP (part C3.5/ C3.8)		orimary street aneway/ or if 50m2 then min 3m wide	6m Close Street 3m Laneway	
SIDE SETBACKS	Parkes Shire	DCP 0.9m		0.9m	
REAR SETBACKS	(part C3.5/ C3.8)			3.05m	
DEEP SOIL ZONE	SLUDG (HSEPP 43(1)(d)	(303.		421m <sup>2</sup>	
			at rear (197.2m²) 3m DIMENSION	210m <sup>2</sup>	
LANDSCAPE	LAHC Design (HSEPP 43 (1)(f)	Guidelines 35 sc (315r	ım PER DWELLING n <sup>2)</sup>	681m <sup>2</sup>	
SOLAR COMPLIANCE  LAHC Design Gu (HSEPP 43 (1)(f)		hours 9am	70% of dwellings have 3 hours sunlight between 9am and 3pm in mid-Winter i. Living Rooms 89% / 8 units (1009 with skylight and ra ceiling)		
		ii. Pri	vate open space	100% / 9 units	

	NatHERS The	ermal Performance Specific	cation - Parkes	
		External Walls		
Wall Type	Insulation	Colour	Comments	
		Light - SA < 0.475		
Brick Veneer	R2.5	Dark - SA > 0.70	Throughout, as per elevations	
Weatherboard cladding	R2.5	Dark - SA > 0.70	Throughout, as per elevations	
		SA - Solar Absorptance		
		Internal Walls		
Wall Type	Insulation		Comments	
Plasterboard stud	None	Internally inside units		
Cavity Brick	None	Party walls between units (Throughout except as below)		
Cavity Brick	R0.7	Party walls between units (Units: 1 & 2)		
		Floors		
Floor Type	Insulation	Comments		
Concrete slab on ground	None	Throughout		
		Ceilings		
Ceiling Type	Insulation	Insulation Comments		
Plasterboard	R3.5	Roof/air above		
Insulation loss due to downlights h	as heen modelled in this assess	ment A socied expense for		
modulion root due to downing no m			has been included in every kitchen, bathroom, laundry and ensuite.	
		Roof		
Roof Type	Insulation	Roof Colour	nas been included in every kitchen, bathroom, laundry and ensuite.  Comments	
		<b>Roof Colour</b> Light - SA < 0.475		
Roof Type	Insulation	Roof Colour	Comments	
Roof Type	Insulation	<b>Roof Colour</b> Light - SA < 0.475	Comments	
Roof Type	Insulation	Roof Colour Light - SA < 0.475 SA - Solar Absorptance	Comments	
Roof Type  Metal  Opening type	Insulation R1.3 foil-faced blanket	Roof Colour Light - SA < 0.475 SA - Solar Absorptance Glazing	Comments  Throughout (Unventilated roof space)	
Roof Type  Metal  Opening type  Sliding + Fixed (Throughout)	Insulation R1.3 foil-faced blanket  U-Value	Roof Colour Light - SA < 0.475 SA - Solar Absorptance Glazing SHGC	Comments  Throughout (Unventilated roof space)  Glazing & Frame Type	
Roof Type  Metal  Opening type  Sliding + Fixed (Throughout)  Awning (Throughout)	Insulation R1.3 foil-faced blanket  U-Value 4.3 4.8	Roof Colour Light - SA < 0.475 SA - Solar Absorptance Glazing SHGC 0.53 0.51	Comments  Throughout (Unventilated roof space)  Glazing & Frame Type  e.g. Single glazed High performing Low E clear Aluminium frame e.g. Single glazed High performing Low E clear Aluminium frame	
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Roof Type  Metal  Opening type  Sliding + Fixed (Throughout)  Awning (Throughout)  U and SHGC values are based on the AFRC L	Insulation R1.3 foil-faced blanket  U-Value 4.3 4.8 Default Windows Set. Glazing sy	Roof Colour Light - SA < 0.475 SA - Solar Absorptance Glazing SHGC 0.53 0.51 stems to be installed must he values. Skylights	Comments  Throughout (Unventilated roof space)  Glazing & Frame Type  e.g. Single glazed High performing Low E clear Aluminium frame e.g. Single glazed High performing Low E clear Aluminium frame	
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BASIX Commitments Summary				
WATER				
Rainwater Tank	6000L central tank			
Rainwater-Re-use	Rainwater used for garden irrigation on common landscaped area			
Star Rating	3 star toilet suite, 4 star taps throughout, 4 star showerheads with flowrate >4.5 but <=6L/min			
Planting	Indigenous or low water use species of vegetation min 384.3m <sup>2</sup>			
ENERGY				
Lighting	Provide dedicated energy efficient lighting (fluoros, compact fluoros & LEDs) throughout			
Ceiling Fans	Ceiling fans required in each living room and bedrooms			
Appliances	Electric cooktop & electric oven			
Mechanical Ventilation	Bathroom/ Kitchen/ Laundry - individual fan, ducted to facade or roof. Manual switch on/ off. A/C			
Clothes Lines	Private outdoor or unsheltered clothes drying line			
Hot Water System	Electric Heat Pump, 15 to 20 STCs			
Alternative Energy Source	Photovolatic System - rated electrical output min 0.4 peak kW for each dwelling			







LOCATION PLAN. PARKES NSW AUSTRALIA

	DRAWING LIST
A000	COVER PAGE AND DRAWING LIST
A101	SITE ANALYSIS
A102	CONTEXT BLOCK ANALYSIS
A103	DEMOLITION PLAN
A104	CUT AND FILL PLAN
A105	erosion and sediment control plan
A106	SITE AREA CALCULATIONS
A201	SITE PLAN
A202	GROUND FLOOR PLAN
A203	ROOF PLAN
A301	elevation - street/ west
A302	elevation - south/east
A303	elevation - internal views
A304	SECTIONS
A401	VIEW FROM THE SUN STUDY
A402	SHADOW DIAGRAMS
A403	AERIAL PERSPECTIVE
A404	schedule of finishes
NP01	NOTIFICATION COVER PAGE







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NPO2 SITE/LANDSCAPE PLAN

NPO5 SCHEDULE OF FINISHES

NPO3 DEVELOPMENT DATA

NPO6 SHADOW DIAGRAMS

NP04 ELEVATIONS





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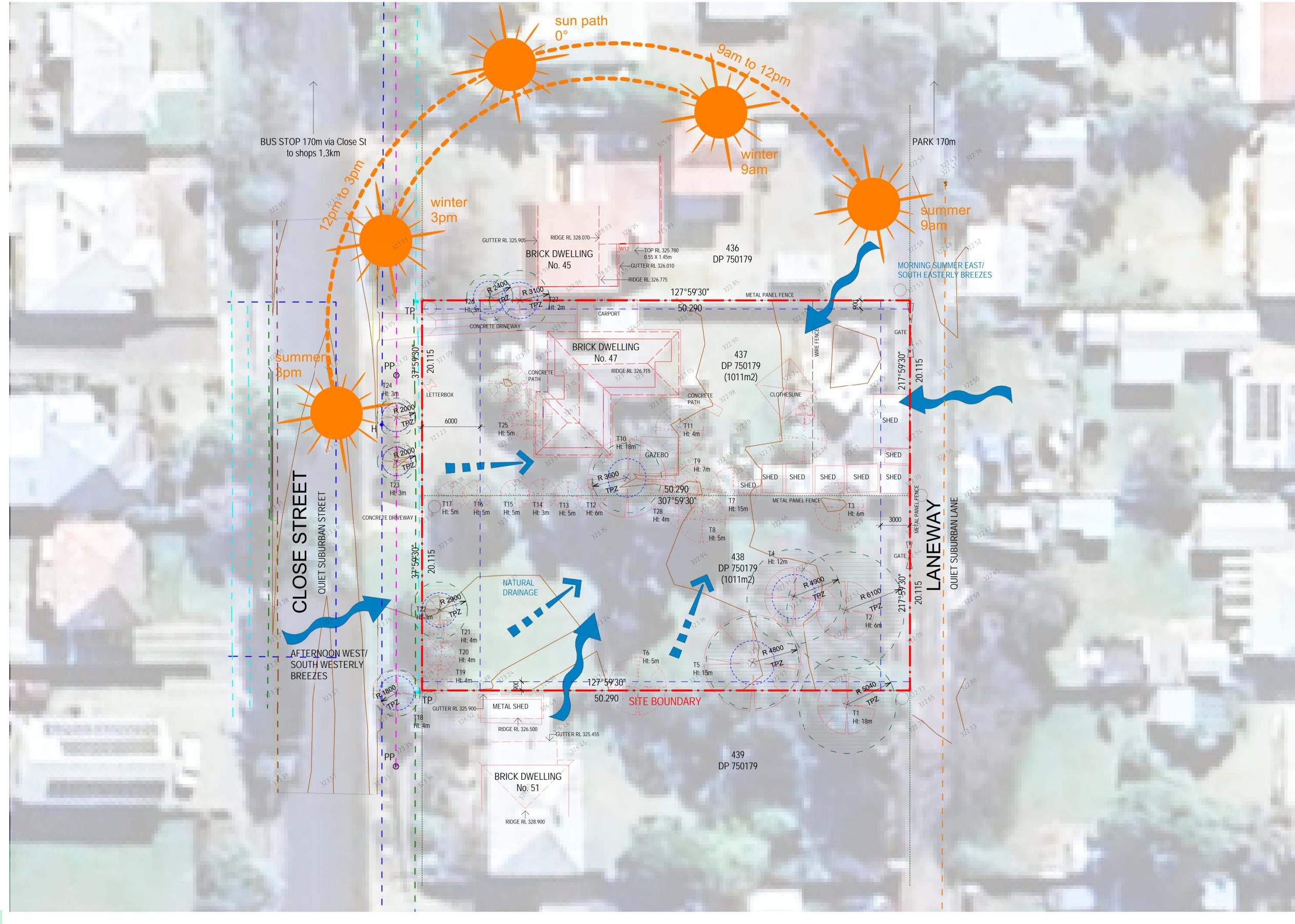
Solar Orientation\* - % with min. 3 hours of direct sunlight into living areas and private open space

AREA\* - Dwelling floor area includes internal walls but excludes external walls

POS\* - Private Open Space - In compliance with SLUDG

Type\* - E.g. Universal / Non-Universal

EC\* - Entry Corridor





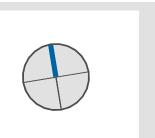
13.10.2023 Stage B

08.11.2023 Stage C 17.11.2023 Stage C

29.11.2023 Stage C

1 SITE ANALYSIS 1:200







Robert McNam

Date: Scale
29.11.2023

Drawn: Project No.
Author BGZQQ

Checked Revision
Checker c
Authorised Drawing No.

Approver

















LEGEND: **Predominant Block and Lot Patterns** Rectangular - North to South. 1. PROJECT SITE

# Block and lot pattern change over time The block has preserved its original lot

configurations, characterized by predominantly single-storey buildings and consistent setback distances.

Typical Lot Size, Shape, Orientation Rectangular. North West to South East. Rough average of 1000m2 Lot size.

# Which Lots better for Intensification and which are not

As the lots are symmetrical, boundaries can easily be combined into larger rectangle to be amalgamated into unit / town house development. The selected lots for this development offer the advantage of access from both Close St and the Lane Way. This strategic choice not only enhances accessibility but also opens up various design and functional possibilities.

# Is amalgamation necessary to support future development.

Amalgamation is required for densification for low rise unit and townhouse developments, as none currently exists in the surrounding area.

## Are better Sites Available

The proposed site is the most appropriate site for this development. It is on a relatively flat streetscape with northerly aspects. It has access from two streets, is close to neighbourhood park and shops and has various existing trees that can be retained.



47 - 49 Close Street | Proposed Development



33 Close Street | Single Storey



12 Sydney Street | Single Storey



83 Hill Street | Single Storey



2. PARK

3. CHURCH

6. BUS STOP

9. HOSPITAL

17.11.2023 Stage C 29.11.2023 Stage C

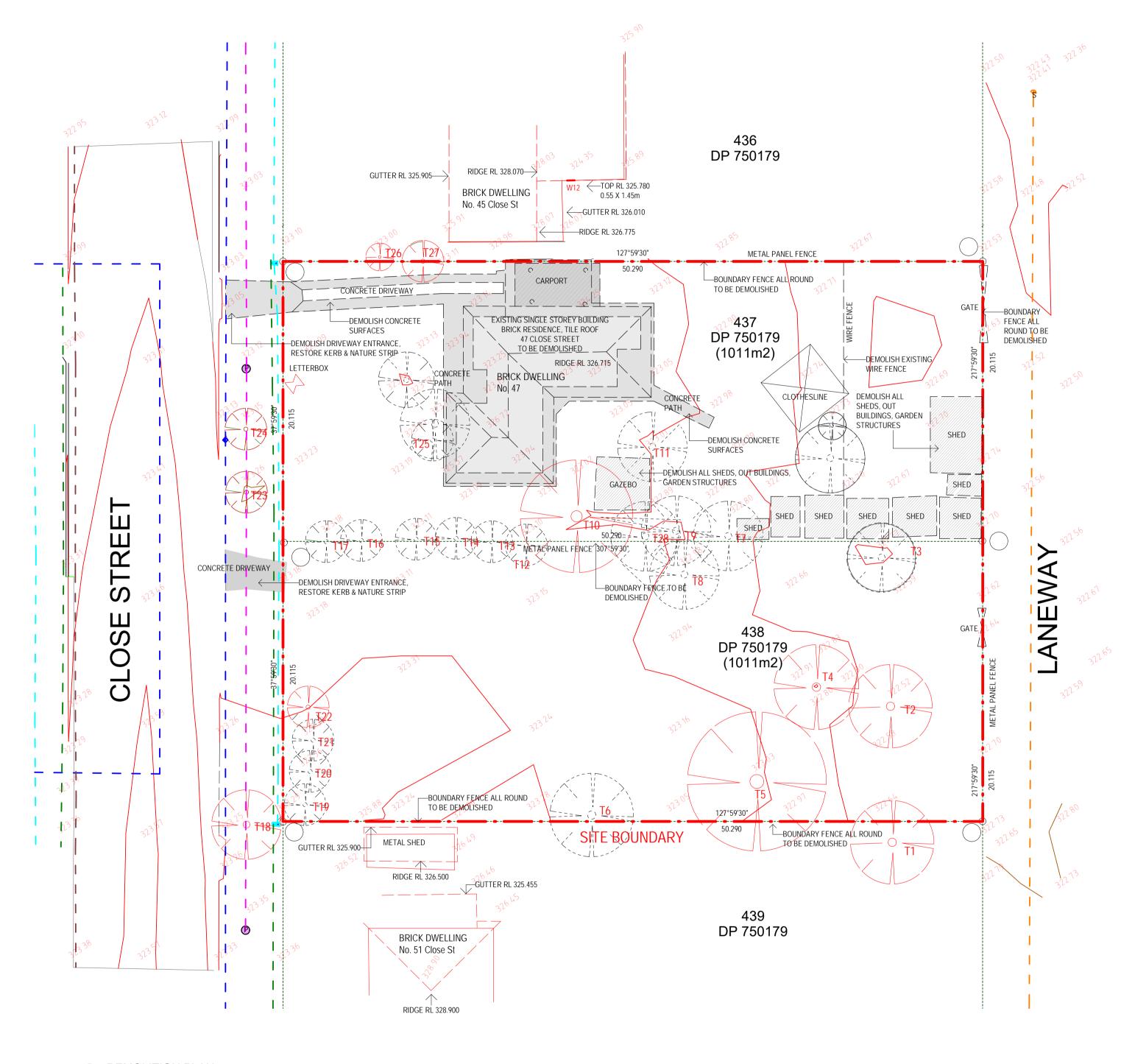
7. POST OFFICE

4. PETROL STATION

8. SHOPPING CENTRE

5. TRAIN STATION





1 DEMOLITION PLAN 1:200







TO BE DEMOLISHED

STORMWATER PITS EXISTING HYDRANT SEWER MANHOLE SEWER INSPECTION POIN TELSTRA PIT GARDEN TAP

LIGHT BOLLARD

POWER POLE



EXISTING TREES TO BE REMOVED

EXISTING TREES TO BE RETAINED

**DEMOLITION NOTES** 

DEMOLITION WORKS TO BE CONDUCTED IN ACCORDANCE WITH AS2601

REMOVE EXISTING TREES, SHRUBS AND THE LIKE WHERE INDICATED ON THE DRAWINGS TO BE REMOVED AND AS NECESSARY TO CONSTRUCT THE WORKS, INCLUING THE GRUBBING OUT OF THE TREE STUMPS

REMOVAL OF EXISTING PAVING, ACCESS PATHWAYS, STAIRS, CONCRETE SLABS, ASPHALTIC SURFACES, FOOTINGS, CONCRETE KERB SURROUNDS, FENCING, RETAINING WALLS, GARDEN BEDS, CHAIN WIRE BARRIERS, AND ASSOCIATED

REMOVE ALL EXISTING BOUNDARY FENCING OR WALLING TO PROPERTY

ALL REDUNDANT INGROUND SERVICES AND ALL EXISTING FOOTINGS FROM REMOVED STRUCTURES TO BE REMOVED

THE CONTRACTOR SHALL ARRANGE FOR A QUALIFIED HYGIENIST TO INSPECT, REPORT AND CERTIFY CLEARANCE OF ALL MATERIAL REMOVED FROM SITE PRIOR TO DEMOLITION AND TO PROVIDE A CLEARANCE CERTIFICATE AFTER DEMOLITION IS COMPLETED

O MINIMSE UNDUE LOSS OF AMENITY, HOURS OF WORK FOR DEMOLITION/ EXCAVATIN/ CONSTRUCTION ARE TO BE RESTRICTED ABSOLUTELY TO THE HOURS INDICATED IN THE CONDITIONS OF CONSENT

TO LIMIT DISTURBANCE TO THE SITE AND TRACKING OF MATERIAL ONTO THE STREET, ALL VEHICLES AND PLANT EQUIPMENT WILL USE A SINGLE ENTRY / EXIT

A SEDIMENT CONTROL DEVICE IS TO BE PLAED AT THE SIE ACCESS POINT TO PREVENT SEDIMENT DEPOSITION ON ADIOINING ROADS THE CONTRACTOR IS RESPONSIBLE TO REMOVE ANY MATERAIL DEPOSITED OFFSITE AS A RESULT OF SPILLAGE OR VEHINCLE MOVEMENT. RESTORE AREA TO PREVIOUS STANDARD OR EQUAL. FORM VEHICLE CROSSING FROM 150X50 HARDWOOD PLANKS, CHAMFERED AT

DISPOSAL OF CONTAMINANTS AND HAZARDOUS MATERIALS THE MANAGEMENT AND DISPOSAL OF CONTAMINANTS AND HAZARDOUS

MATERIALS, INCLUDING ASBESTOS, CHEMICALS, OILS SHALL BE IN ACCORDANCE WITH THE CURRENT RELEVANT LEGISLATION INCLUDING:

ENDS. LAY OVER 150mm ROAD BASE. TIE WITH HOOP IRON STRAPS AT 600C/C.

WORK HEALTH AND SAFETY ACT 2011 WORK HEALT AND SAFETY REGULATION 2011 PROTECTION OF ENVIRONMENT OPERATIONS ACT 1997 PROTECTION OF ENVIRONMENT OPERATIONS (WASTE) REGULATION 1997 **ENVIRONMENTALLY HAZARDOUS CHEMICALS ACT 1985** AS2601 CLAUSE 1.6.2

THESE PROPERTIES WERE BUILT BEFORE 31.12.1987 AND IS LIKELY TO HAVE CONTAINING MATERIAL. IF DEMOLITION INVOLVES THE DEMOLITION OF BUILDINGS

DOCUMENTING THE EXTENT OF ASBESTOS REMOVAL REQUIRED AND CONFIRMING

THAT THE REMOVAL WILL BE UNDERTAKEN IN ACCORDANCE WITH WORKCOVER

OR PART OF A BUILDING THAT MAY CONTAIN ASBESTOS, A HAZMAT REPORT

NSW REQUIREMENTS MUST BE PROVIDED - ROOFING AND CLADDING MATERIALS MUST BE CHECKED FOR THE PRESENCE OF ASBESTOS BEFORE ANY SUCH MATERIAL IS DISTURBED OR REPLACED. ALL WORK. WHICH INVOLVES THE REMOVAL OF PRODUCTS CONTAINING ASBESTOS OR BRINGS PERSONS INTO CONTACT WITH ASBESTOS. MUST ONLY BE PERFORMED BY PERSONS LICENSED BY AND HOLDING A PERMIT ISSUED BY WORKCOVER

AUTHORITY UNDER WORK HEALTH AND SAFETY REGULATION 2011. A COPY OF LICENCE MUST BE SUBMITTED TO THE SUPERINTENDENT/AUTHORISED PERSON PRIOR TO COMMENCEMENT OF THIS WORK. IF ASBESTOS MATERIALS ARE ENCOUNTERED (I.I IN THE GROUND) DURING CONSTRUCTION WORKS. THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE SUPERINTENDANT / AUTHOURISED PERSON AND SEEK

**REMOVAL** - TAKE POSSESSION OF DEMOLISHED MATERIALS AND REMOVE THEM FROM THE SITE EXCEPT FOR ITEMS TO BE RECOVERED FOR RE-USE. BURNING OR BURYING DEMOLISHED MATERIALS ARE STRICTLY PROHIBITED ON THE SITE. PREVENT SPILLAGE OF DEMOLISHED MATERIALS IN TRANSI

**RECYCLE** - DISMANTLE BUILDING COMPONENTS FOR OFF-SITE RECYCLING

REMOVE CLEARED AND GRUBBED MATERIAL FROM THE SITE AND DISPOSE OF

GIVE AT LEAST 5 WORKING DAYS' NOTICE OF COMPLETION OF DEMOLITION SO THAT ADJACENT STRUCTURES MAY BE INSPECTION FOLLOWING COMPLETION OF DEMOLITION

PROTECT EXISTING TREES AS SPECIFIED AND NOTED IN ARBORIST REPORT - TREE PROTECTION ZONE (TPZ) IN ACCORDANCE WITH AS4970 SECTION 3 - TREE PROTECTIVE MEASURES TO BE CONDUCTED IN ACCORDANCE WITH AS4970

HARMFUL MATERIALS - KEEP AREA WITHIN DRIPLINE FREE OF SHDES AND PATHAS, CONSTRUCTION MATERIAL AND DEBRIS HAND METHODS - USE HAND METHODS TO LOCATE, EXPOSE AND CLEANLY REMOVE THE ROOTS ON THE LINE OF EXCAVATION WORK UNDER TREES - DO NOT REMOVE TOPSOIL FROM, OR ADD TOPSIOL TO, AREAS WITHIN DRIPLINE OF TREES



50-100mm layer of aggregate or mulch within TPZ fence

Install Tree Protection Fence where shown. Fence to comply with AS 4970 Trees on Development Sites. Refer to Arborists report. No cut, fill or machine excavation within TPP.

### PROTECTION OF TREES ON DEVELOPMENT SITES

#### PROTECTION OF TRESS ON DEVELOPMENT SITES

THIS TREE PROTECTION PLAN RECOMMENDS; TREES TO BE RETAINED LOCATED WITHIN THE SITE, NEIGHBOURING PROPERTIES AND ON THE ROAD RESERVE ARE TO BE PROTECTED FOR THE DURATION OF DEVELOPMENT CONSENT. THE SECTION OF THE DEVELOPMENT WITHIN THE TPZ OF THESE SPECIMENS IS TO BE CONSTRUCTED USING TREE SENSITIVE CONSTRUCTION TECHNIQUES COMPLY WITH AS4970 2009 PROTECTION OF TREES ON DEVELOPMENT SITES SUCH AS PIER AND BEAM CONSTRUCTION OR PERMEABLE DECK ABOVE EXISTING NATURAL GROUND LEVELS. WITH EXCAVATION FOR PIERS TO BE DUG BY HAND WITH NON-MOTORISED MACHINERY TO FURTHER ASSIST IN ITS PROTECTION.

#### PRUNING STANDARDS

ANY PRUNING RECOMMENDED IN THIS REPORT IS TO BE TO THE AUSTRALIAN STANDARD® AS4373 PRUNING OF AMENITY TREES, AND CONDUCTED IN ACCORDANCE WITH THE NSW WORK COVER AUTHORITY CODE OF PRACTICE, TREE WORK, 2007.

- ALL PRUNING OR REMOVAL WORKS ARE TO BE IN ACCORDANCE WITH THE APPROPRIATE TREE MANAGEMENT POLICY WHERE APPLICABLE, OR TREE MANAGEMENT ORDER (TMO), OR TREE PRESERVATION ORDER (TPO).

TREE MAINTENANCE WORK IS SPECIALISED AND IN ORDER TO BE UNDERTAKEN SAFELY TO ENSURE THE WORKS CARRIED OUT ARE NOT DETRIMENTAL TO THE SURVIVAL OF A TREE BEING RETAINED. AND TO ASSIST IN THE SAFE REMOVAL OF ANY TREE. SHOULD BE LINDERTAKEN BY A OLIALIFIED. ARBORICULTURIST WITH APPROPRIATE COMPETENCIES RECOGNISED WITHIN THE AUSTRALIAN QUALIFICATION FRAMEWORK, WITH A MINIMUM OF 5 YEARS OF CONTINUAL EXPERIENCE WITHIN THE INDUSTRY OF OPERATIONAL AMENITY ARBORICULTURE, AND COVERED BY APPROPRIATE AND CURRENT TYPES OF INSURANCE TO UNDERTAKE SUCH WORKS.

## GENERAL – TREE PROTECTION WORKS – PRIOR TO DEMOLITION

- MILESTONE - PRIOR TO DEMOLITION WORKS, A SITE ARBORIST SHALL BE APPOINTED TO SUPERVISE ALL TREE PROTECTION PROCEDURES DETAILED IN THIS SPECIFICATION. THE SITE ARBORIST SHALL HAVE A MINIMUM LEVEL 5 AQF QUALIFICATION IN ARBORICULTURE. MILESTONES ARE TO BE ADHERED TO THROUGHOUT THE DURATION OF THIS DEVELOPMENT AND ALL RELEVANT DOCUMENTATION IS TO BE SUBMITTED TO THE LOCAL AUTHORITY

THE TREE PROTECTION ZONE FOR EACH TREE/S IS TO BE INCORPORATED INTO THE CONSTRUCTION WORKS FOR THE SITE AND THE PROTECTION FENCING OR WORKS TO BE SITUATED AS INDICATED ON THE APPENDIX F - TREE PROTECTION PLAN. THE SETBACKS FROM BUILDING WORKS ON THE SIDE CLOSEST TO EACH TREE ARE TO BE CARRIED OUT AS INDICATED IN TABLE 2.0. AND TREE PROTECTION ZONES BE CONSTRUCTED AS DESCRIBED HERE AND DETAILED IN APPENDIX D. THE TREES WILL BE SUSTAINED WITHIN THE CONSTRAINTS OF THE MODIFICATIONS TO THE SITE BY THE PROPOSED DEVELOPMENT WORKS.

TREES TO BE RETAINED ARE TO BE PROTECTED AND INCORPORATED INTO THE LANDSCAPE WORKS. FOR THE SITE, AND TREE PROTECTION ZONE FENCING TO BE MARKED ACCORDINGLY ON THE LANDSCAPE PLAN, WHERE APPROPRIATE AND INSTALLED PRIOR TO ANY DEMOLITION OR CONSTRUCTION

- GROUND PROTECTION - IF TEMPORARY ACCESS FOR MACHINERY IS REQUIRED WITHIN THE TPZ GROUND PROTECTION MEASURES WILL BE REQUIRED. THE PURPOSE OF GROUND PROTECTION IS TO PREVENT ROOT DAMAGE AND SOIL COMPACTION WITHIN THE TPZ. MEASURES MAY INCLUDE A PERMEABLE MEMBRANE SUCH AS GEOTEXTILE FABRIC BENEATH A LAYER OF MULCH OR CRUSHED ROCK BELOW RUMBLE BOARDS. THESE MEASURES MAY BE APPLIED TO ROOT ZONES BEYOND THE

WHERE APPLICABLE, ANY EXCAVATION FOR THE ESTABLISHMENT OF A BATTER SLOPE OR BENCHING FOR REASONS OF SAFETY AND TO COMPLY WITH WORK COVER AUTHORITY SAFETY REGULATIONS SHOULD BE RESTRICTED AS EAR AS IS SAFELY POSSIBLE NEAR TO TREES TO BE RETAINED TO PREVENT ROOT DAMAGE. IF THE EXCAVATIONS CANNOT BE UNDERTAKEN NEAR VERTICALLY THE STABILITY OF THESE TREES AND THEIR LONG-TERM VIABILITY MAY BE COMPROMISED AND THEIR RETENTION IN A SAFE AND HEALTHY CONDITION JEOPARDIZED AND THEY MAY NEED TO BE REVISED AND POSSIBLY REMOVED.

### SPECIFIC - TREE PROTECTION WORKS - PRIOR TO DEMOLITION AND TREE REMOVAL

ALL OTHER TREES/SHRUBS; PRIOR TO DEMOLITION AND TREE REMOVAL WORKS THESE TREE/S ARE TO BE PLACED WITHIN A TREE PROTECTION ZONE WITH PROTECTIVE FENCING AND MAINTAINED AND RETAINED UNTIL THE COMPLETION OF ALL BUILDING WORKS. PROTECTIVE FENCING IS TO BE INSTALLED AS SHOWN IN APPENDIX F - TREE PROTECTION PLAN

- THE PROTECTIVE FENCING WHERE REQUIRED MAY DELINEATE THE TREE PROTECTION ZONE (TPZ) AND SHOULD BE SITUATED AS DETERMINED BY THE PROJECT ARBORIST IN ACCORDANCE WITH AS4970 PROTECTION OF TREES ON DEVELOPMENT SITES, SECTION 4, 4.3, "FENCING SHOULD BE ERECTED BEFORE ANY MACHINERY OR MATERIALS ARE BROUGHT ONTO THE SITE AND BEFORE TH COMMENCEMENT OF WORKS INCLUDING DEMOLITION. ONCE ERECTED, PROTECTIVE FENCING MUST NOT BE REMOVED OR ALTERED WITHOUT APPROVAL BY THE PROJECT ARBORIST. THE TPZ MUST BE SECURED TO RESTRICT ACCESS. AS4687 TEMPORARY FENCING AND HOARDINGS SPECIFIES APPLICABLE FENCING REQUIREMENTS. SHADE CLOTH OR SIMILAR SHOULD BE ATTACHED TO REDUCE THE TRANSPORT OF DUST, OTHER PARTICULATE MATTER AND LIQUIDS INTO THE PROTECTED AREA. FENCE POSTS AND SUPPORTS SHOULD HAVE A DIAMETER GREATER THAN 20 MM AND BE LOCATED. CLEAR OF ROOTS. EXISTING PERIMETER FENCING AND OTHER STRUCTURES MAY BE SUITABLE AS PART OF THE PROTECTIVE FENCING" OR SIMILAR.

TREE PROTECTION SIGNAGE IS TO BE ATTACHED TO EACH TPZ AND DISPLAYED FROM WITHIN THE DEVELOPMENT SITE IN ACCORDANCE WITH AS4970 2009 PROTECTION OF TREES ON DEVELOPMENT

THE AREA OF THE TREE PROTECTION ZONE TO BE MULCHED TO A DEPTH OF 100 MM WITH ORGANIC MATERIAL BEING 75% LEAF LITTER AND 25% WOOD, AND THIS BEING COMPOSTED MATERIAL PREFERABLY FROM THE SAME GENUS AND SPECIES OF TREE AS THAT TO WHERE THE MULCH IS TO BE APPLIED. LE. SPECIES-SPECIFIC MULCH WHERE POSSIBLE. THE DEPTH OF MULCH AND TYPE AS INDICATED, TO BE MAINTAINED FOR THE DURATION OF THE PROJECT. WHERE DEEP EXCAVATION WILL EXPOSE THE SOIL PROFILE TO DRYING OUT THE ROOT PLATE IS TO BE PROTECTED BY PEGGING JUTE MATTING ACROSS THE GROUND SURFACE 2 M BACK FROM THE EDGE OF THE PROFILE AND 2 M DOWN THE FACE OF THE PROFILE AND IS TO BE IN ONE CONTINUOUS SHEET OR LAYERS UP TO 5 MM THICK AND OVERLAPPED 300 MM AND PEGGED. PEGS ARE TO BE A MINIMUM LENGTH OF 200 MM AND SPACED AT 500 MM INCREMENTS IN A GRID PATTERN. ONCE INSTALLED MULCH IS TO BE PLACED ON TOP OF THE JUTE MATTING PREVIOUSLY DESCRIBED

- THERE IS TO BE NO STORAGE OF MATERIALS, RUBBISH, SOIL, EQUIPMENT, STRUCTURES, OR GOODS OF ANY TYPE TO BE KEPT OR PLACED WITHIN 5 METRES FROM THE TRUNK OR WITHIN THE DRIPLINE OF ANY TREE FOR THE DURATION OF THE DEVELOPMENT. THIS WILL ENSURE PROTECTION OF THE TREE/S TO BE RETAINED ON OR ADJACENT TO SITE

- MILESTONE - PROJECT/SITE ARBORIST IS TO INSPECT/ASSESS ALL RETAINED SPECIMENS PRIOR TO DEMOLITION TO INSPECT TREE PROTECTION MEASURES TO MONITOR THAT THEY HAVE BEEN CARRIED OUT AS PER THE APPROVED D/A CONDITIONS FOR THE SITE. DOCUMENTATION IS TO BE SUBMITTED TO THE CONSENTING AUTHORITY AFTER EACH INSPECTION

## DEMOLITION AND TREE REMOVAL/S

- REMOVAL OF A TREE WITHIN 6 M OF A TREE TO BE RETAINED SHOULD BE UNDERTAKEN ONLY BY CUTTING DOWN SLICH A TREE WITHOUT DAMAGING THE TREES TO BE RETAINED, AND BY GRINDING OUT ITS STUMP. WHERE POSSIBLE THE STRUCTURAL ROOTS OF 20 MM DIAMETER OR GREATER OF THE TREE TO BE CUT DOWN SHOULD NOT BE REMOVED, TO MINIMISE SOIL DISTURBANCE AND TO REDUCE THE IMPACT ON THE ROOTS OF ANY TREE TO BE RETAINED NEARBY, WHERE STRUCTURAL ROOTS ARE TO BE REMOVED THIS SHOULD BE UNDERTAKEN MANUALLY BY THE USE OF NON-MOTORISED HAND TOOLS AFTER THE STUMP HAS BEEN GROUND OUT WHEN SUCH ROOTS ARE OFTEN EASIER TO LOCATE FROM THE SITE OF THE STUMP FROM WHICH THEY HAVE BEEN SEVERED. GROUND PROTECTION IN ACCORDANCE WITH AS4970 SECTION 4, 4.5.3 MAY REQUIRE STEEL PLATES TO PROTECT THE GROUND SURFACE FROM COMPACTION TO PROTECT ROOTS BETWEEN THE STAGES OF DEMOLITION AND CONSTRUCTION.

## SPECIFIC - TREE PROTECTION WORKS - DURING DEMOLITION

- DEMOLITION OF EXISTING BUILDINGS SHOULD BE UNDERTAKEN WITH ACCESS RESTRICTED TO THE DRIVEWAY AND THE BUILDING PLATFORM FOR EACH OF THE EXISTING BUILDINGS, OR TO AREAS OF THE LAND WHERE NO TREES ARE GROWING WITHIN 6M OF ANY TREE TO BE RETAINED. WHERE ACCESS OR SPACE FOR A SAFE WORKING ENVIRONMENT IS RESTRICTED, OR WHERE THE AREA OF THE 6M SET BACK MUST BE COMPROMISED. A 100 MM LAYER OF WOOD MULCH MUST BE LAID OVER THE AREA OF ENCROACHMENT. WHERE VEHICULAR ACCESS IS REQUIRED ACROSS THE MULCH LAYER FURTHER ROOT PROTECTION SHOULD BE PROVIDED BY LAYING A TEMPORARY PATHWAY OVER THE MULCH. THE TEMPORARY PATHWAY SHOULD BE CONSTRUCTED OF A GRATED STEEL MATERIAL CAPABLE OF SUPPORTING THE VEHICLES USED DURING DEMOLITION E.G., LIKE RAMPS USED TO LOAD VEHICLES ONTO THE BACKS OF TRUCKS. TRUNKS OF TREES MAY REQUIRE PROTECTION FROM VEHICULAR DAMAGE.

DEMOLITION OF LANDSCAPE STRUCTURES: THE DEMOLITION OF WALLS, DRIVEWAYS RETAINING WALLS, PATHS, AND POOLS ETC. WITHIN 6 M OF A TREE TO BE RETAINED SHOULD BE UNDERTAKEN MANUALLY USING HAND TOOLS. WHERE A DRIVEWAY IS TO BE DEMOLISHED BEING OF CONCRETE STRIP OR SLAB TYPE CONSTRUCTION, IT SHOULD BE UNDERTAKEN BY WORKING FROM THE END OF THE DRIVEWAY CLOSEST TO THE BUILDING BACK TOWARDS THE STREET BY UTILISING THE DRIVEWAY AS A STABLE PLATFORM TO PREVENT SOIL COMPACTION. WHERE A CONCRETE SLAB DRIVEWAY PASSES LESS THAN 1 M FROM THE BASE OF A TREE AND THE AREA BENEATH THE DRIVEWAY IS TO BE UNDISTURBED AND INCORPORATED INTO THE LANDSCAPE WORKS FOR THE SITE, THE VOLUME OF SPACE PREVIOUSLY OCCUPIED BY THE DRIVEWAY MUST BE REPLACED WITH LOCAL  $^{\dagger}$  TOP SOIL FROM THE SITE OR OTHERWISE A LOAMY SAND. TO REPLACE THE MASS OF THE CONCRETE ON THE ROOT PLATE WHICH MAY BE CRITICAL TO THE BALLAST AND CENTRE OF MASS FOR THE STABILITY OF THE TREE. IF THE TREE BECOMES UNSTABLE IMMEDIATELY CONTACT THE PROJECT ARBORIST

## PROTECTION OF TREES ON DEVELOPMENT SITES SPECIFIC - TREE PROTECTION WORKS - POST DEMOLITION AND PRIOR TO CONSTRUCTION

- MILESTONE - PROJECT/SITE ARBORIST IS TO INSPECT/ASSESS ALL RETAINED SPECIMENS PRIOR TO CONSTRUCTION IN RELATION TO TREE PROTECTION MEASURES TO MONITOR THAT THEY HAVE BEEN CARRIED OUT AS PER THE APPROVED D/A CONDITIONS FOR THE SITE. DOCUMENTATION IS TO BE SUBMITTED TO THE CONSENTING AUTHORITY AFTER EACH

- LOCATION OF UNDERGROUND UTILITIES WITHIN A TREE PROTECTION ZONE OF A RETAINED SPECIMEN. ANY UTILITY SERVICES TO BE SITUATED UNDERGROUND WITHIN THE TPZ ARE TO BE UNDERTAKEN UTILISING EXCAVATION TECHNIQUES THAT PREVENT OR MINIMISE DAMAGE TO STRUCTURAL ROOTS (ROOTS GREATER THAN >20 MM DIAMETER). TO PREVENT SOIL COMPACTION AND ROOT DAMAGE THESE WORKS SHOULD BE CONDUCTED WITH NON-MOTORISED HAND TOOLS, AIR KNIFE OR DIRECTIONAL DRILLING.

- RE-GRADING OF SITE NEAR RETAINED TREES; GRADING &/OR RE-GRADING OF SITES/SLOPES WITHIN TREE PROTECTION ZONES OR NEAR RETAINED SPECIMENS IS TO BE UNDERTAKEN ONLY IF AT ALL, AFTER CONSULTATION WITH THE PROJECT ARBORIST, THIS IS TO PROTECT ALL STRUCTURAL ROOTS SYSTEMS FROM DAMAGE OR COMPACTION FROM

- PLACEMENT OF RELOCATABLE BUILDINGS; CONSIDERATION SHOULD BE GIVEN TO TREE SENSITIVITY SUCH AS THE BUILDINGS BEING PLACED ON PIER AND BEAM OR SKIDS CONSTRUCTION AS THEY ARE TO BE POSITIONED ON THEIR DRIPLINES WITHIN THE TREE PROTECTION ZONE (TPZ). THE AREA OF THE TREE PROTECTION ZONE UNDER THE BUILDINGS IS TO BE MULCHED TO A DEPTH OF 200 MM (IF INSTALLED ON SKIDS) WITH ORGANIC MATERIAL TO FURTHER REDUCE COMPACTION. THE MULCH IS TO BE COMPOSTEI MATERIAL, I.E. SPECIES-SPECIFIC MULCH. ALTERNATIVELY, IF INSTALLED ON A PIER & BEAN CONSTRUCTION, PIERS ARE TO BE UNDERTAKEN MANUALLY BY USING NON-MOTORISED HAND TOOLS TO DETERMINE THE LOCATION OF FIRST ORDER AND LOWER ORDER STRUCTURAL ROOTS WITH A DIAMETER OF 20 MM (STRUCTURAL WOODY ROOTS) OR GREATER, WITHOUT DAMAGING THEM.

#### SPECIFIC - TREE PROTECTION WORKS - DURING CONSTRUCTION

- MILESTONE - PROJECT/SITE ARBORIST IS TO INSPECT/ASSESS ALL RETAINED SPECIMENS DURING CONSTRUCTION IN RELATION TO TREE PROTECTION MEASURES TO MONITOR THAT THEY HAVE BEEN CARRIED OUT AS PER THE APPROVED D/A CONDITIONS FOR THE SITE. DOCUMENTATION IS TO BE SUBMITTED TO THE CONSENTING AUTHORITY AFTER EACH INSPECTION.

- WHERE ANY STRUCTURAL ROOTS (ROOTS WITH A DIAMETER OF GREATER THAN >20 MM) ENCOUNTERED BY EXCAVATION ARE TO BE PRUNED AND IT IS TO BE UNDERTAKEN WITH CLEAN SHARP PRUNING TOOLS, WITH A FINAL CUT TO UNDAMAGED WOOD TO PREVENT INFESTATION BY PATHOGENS AND ASSIST CONTINUED ROOT GROWTH AND UNDERTAKEN IN CONSULTATION WITH THE CONSULTING ARBORICULTURIST. TREE PROTECTION ZONE FENCES ARE TO BE MAINTAINED DURING THESE WORKS. GROUND PROTECTION IN ACCORDANCE WITH AS4970 SECTION 4, 4.5.3 MAY REQUIRE STEEL PLATES TO PROTECT THE GROUND SURFACE FROM COMPACTION TO PROTECT ROOTS BETWEEN THE STAGES OF DEMOLITION AND CONSTRUCTION OF THE NEW PAVEMENT

- ALL TREE PROTECTION ZONES OF RETAINED TREES ARE TO BE MONITORED FOR THE DURATION OF THE CONSTRUCTION PHASE OF THE DEVELOPMENT. THE THREE MAIN AREAS REQUIRING MONITORING ARE: MUI CHING - MUI CH MUST BE MAINTAINED TO A DEPTH OF 50-100 MM USING MATERIAL THAT COMPLIES WITH AS 4454. WHERE THE EXISTING LANDSCAPE WITHIN THE TPZ IS TO REMAIN UNALTERED (E.G. GARDEN BEDS OR TURF) MULCH MAY NOT BE REQUIRED, WATERING - SOIL MOISTURE LEVELS SHOULD BE REGULARLY MONITORED BY THE PROJECT ARBORIST. TEMPORARY IRRIGATION OR WATERING MAY BE REQUIRED WITHIN THE TPZ. AN ABOVE-GROUND IRRIGATION SYSTEM COULD BE INSTALLED AND MAINTAINED BY A COMPETENT INDIVIDUAL AND WEEDING -WEEDS SHOULD BE REMOVED BY HAND WITHOUT DISTURBING SOIL OR SHOULD BE CONTROLLED WITH WEEDICIDE.

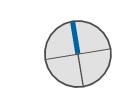
- TREES TO BE REMOVED ARE TO BE REPLACED WITH ADVANCED SPECIMENS BEING MINDFUL OF THE SPACE LIMITATIONS OF THE NEW USE OF THE SITE. THE ADVANCED TREES SHOULD BE SITUATED IN AREAS ALONG THE BOUNDARIES OF THE SITE. THE PLANTING IN THESE LOCATIONS WILL PROVIDE THE MAXIMUM BENEFIT TO THE SURROUNDING PROPERTIES BY SCREENING VIEWS TO AND FROM THE SITE AND THE PLANTINGS INCLUDED IN THE PROPOSED LANDSCAPE PLAN. THE REPLACEMENT TREES WILL BE SITUATED IN POSITIONS WHERE THEY MAY GROW TO MATURITY UNHINDERED AND WILL NOT CONFLICT WITH BUILT STRUCTURES OR LITILITY SERVICES AND IN GREATER NUMBERS THAN THE TREES REMOVED SHOULD PROVIDE A NET INCREASE IN THE LOCAL AMENITY.

#### SPECIFIC - TREE PROTECTION WORKS - POST CONSTRUCTION

MILESTONE - AT COMPLETION OF CONSTRUCTION WORK THE SITE/PROJECT ARBORIST SHOULD CARRY OUT AN ASSESSMENT OF ALL TREES RETAINED &/OR AFFECTED BY WORKS THIS ASSESSMENT IS TO DOCUMENT ANY REQUIRED ON-GOING REMEDIAL CARE NEEDED TO ENSURE VIABLE RETENTION OF TREES AFFECTED. DOCUMENTATION IS TO BE SUBMITTED TO THE CONSENTING AUTHORITY

NOTE: REFER TO ARBORIST REPORT



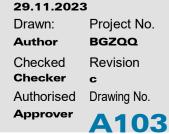




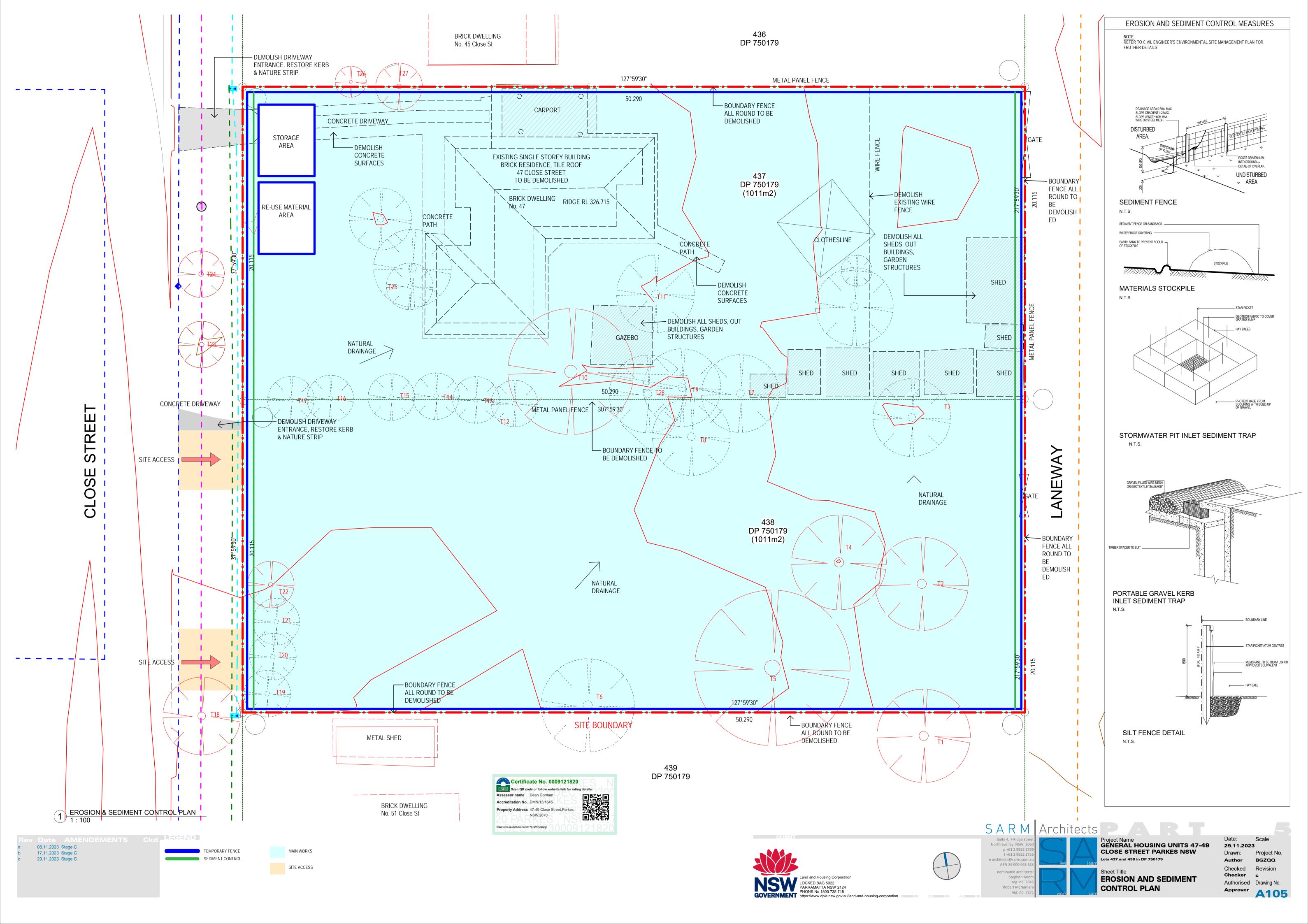


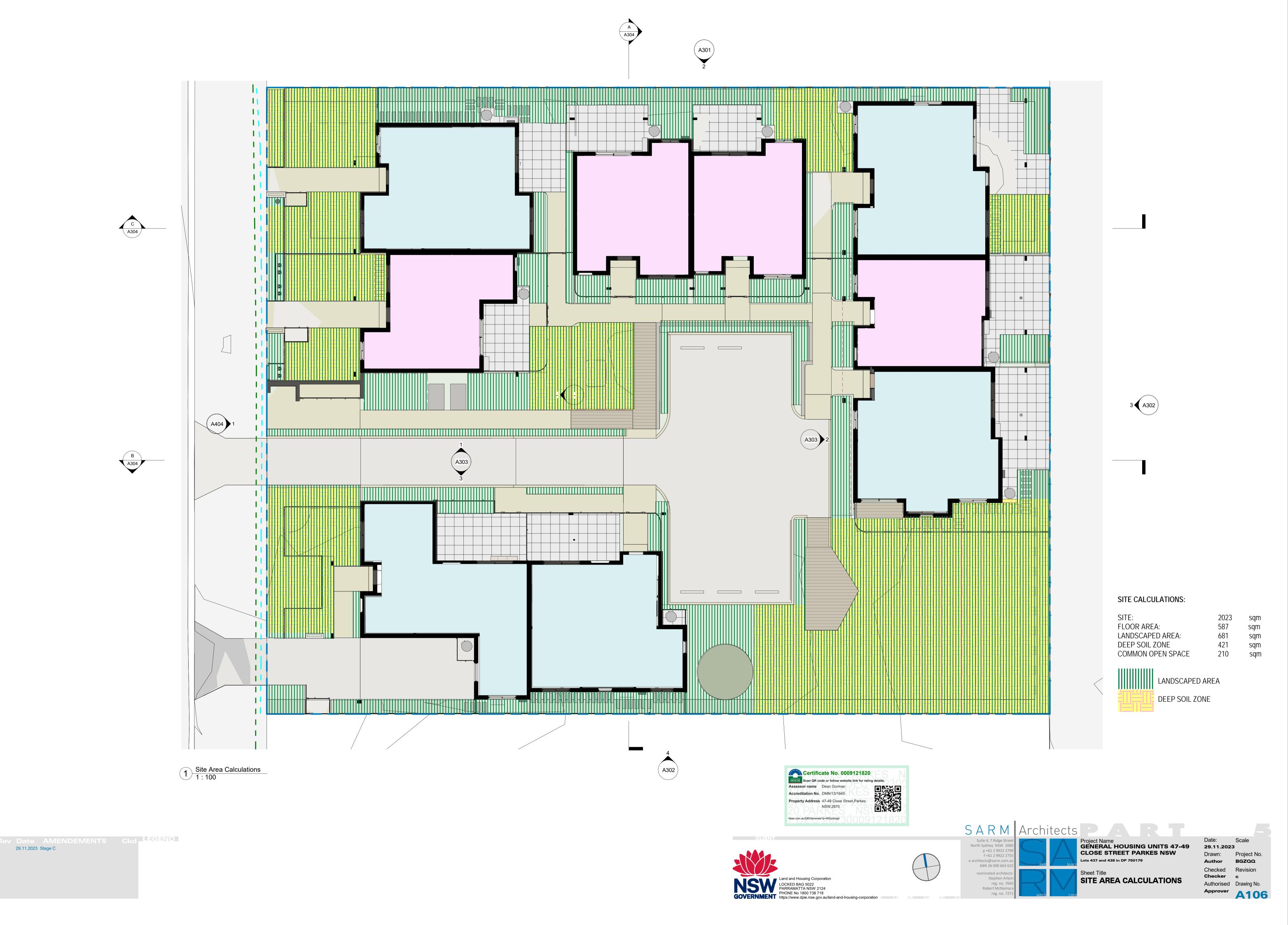


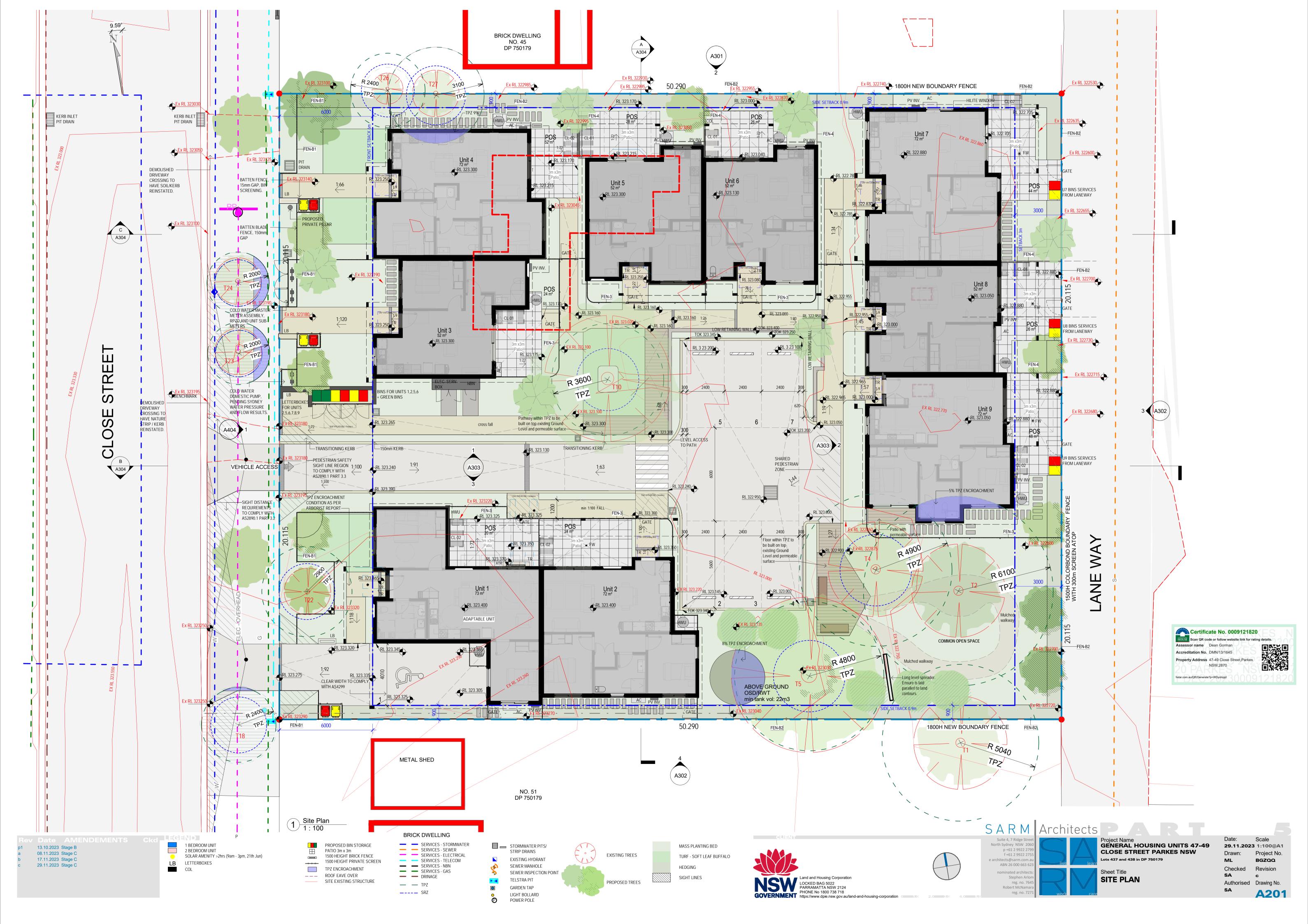
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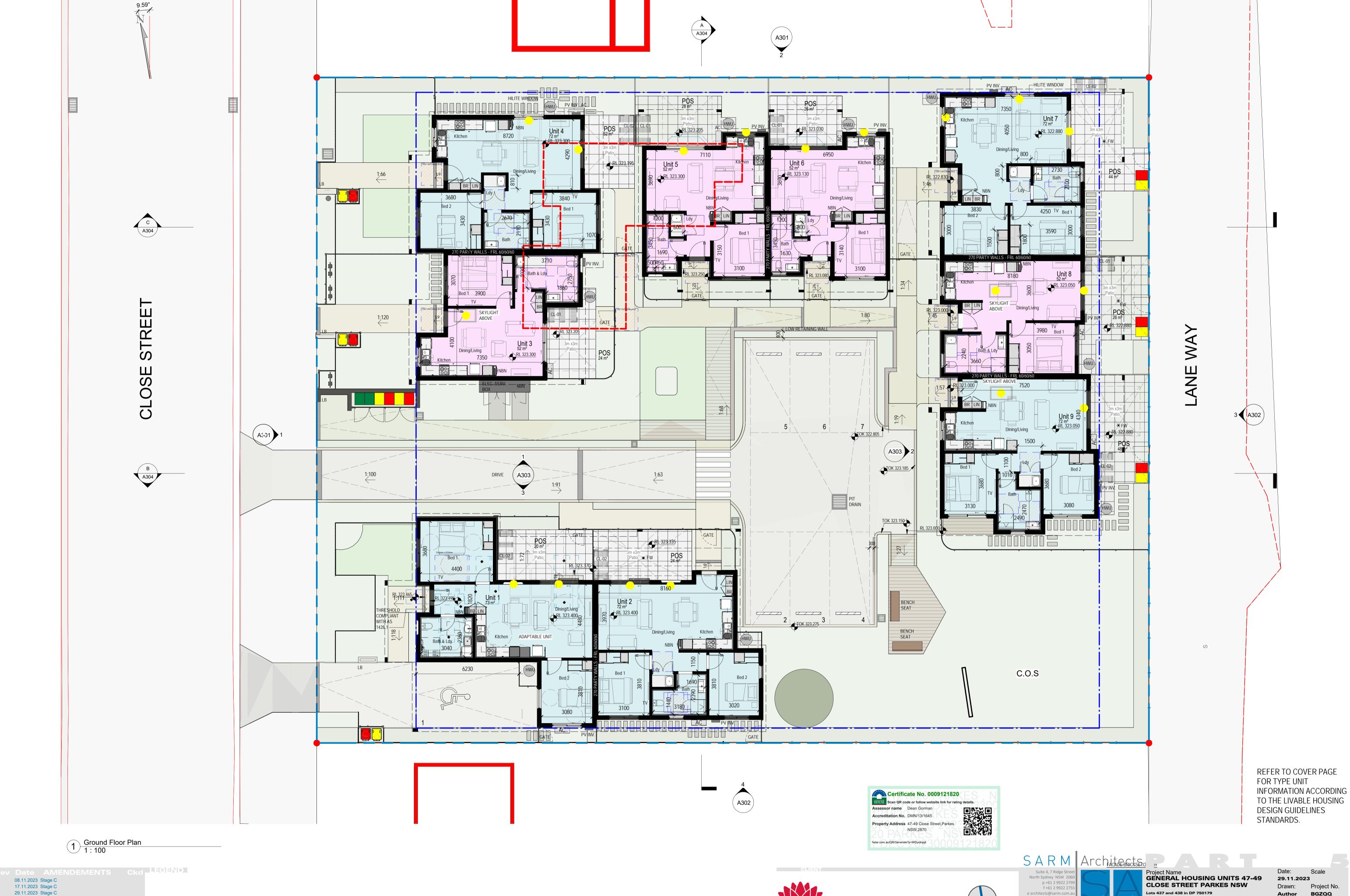




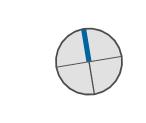








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PARRAMATTA NSW 2124
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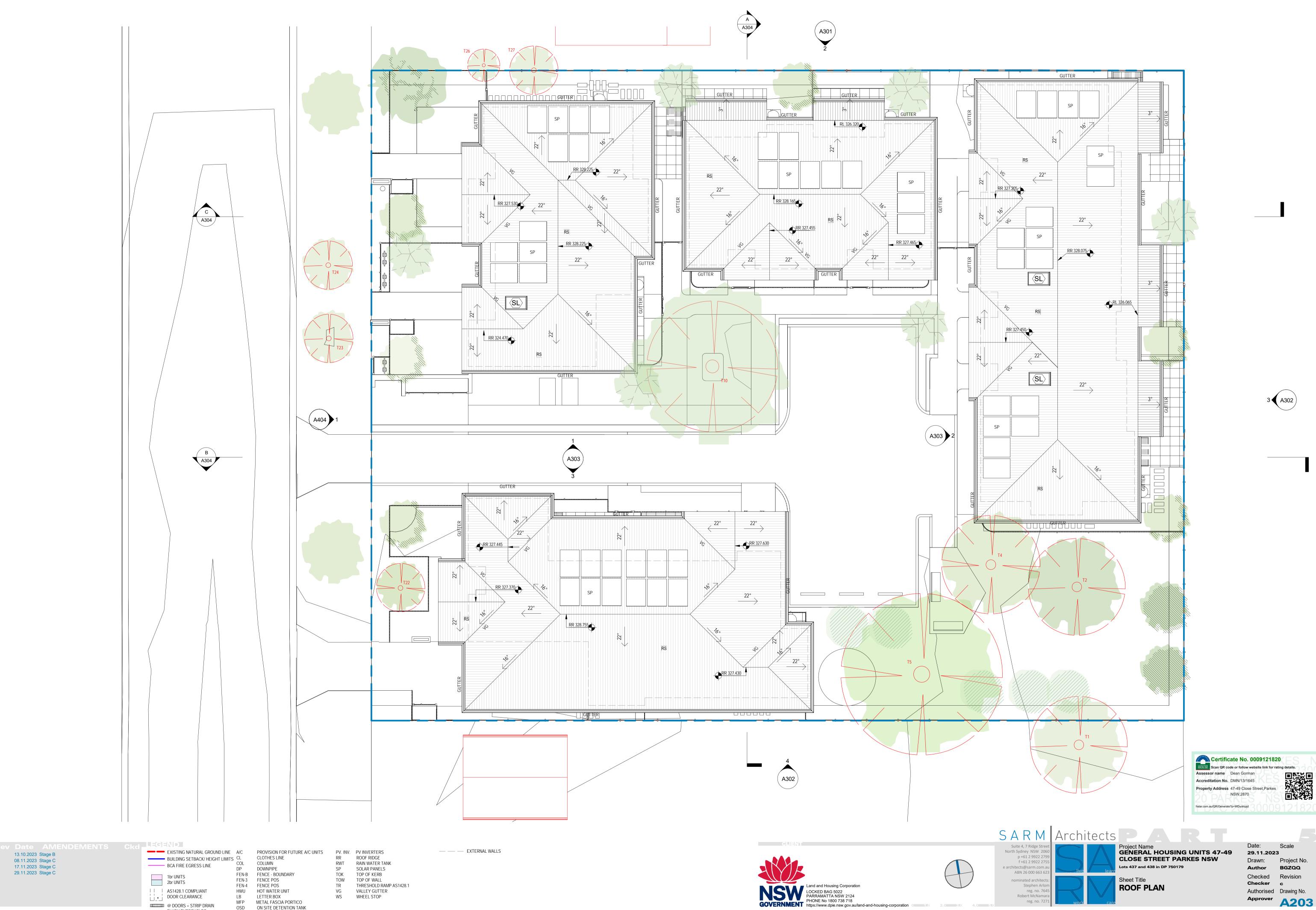
p +61 2 9922 279 f +61 2 9922 275 e architects@sarm.com.a ABN 26 000 663 62 Stephen Arlo reg. no. 7645 Robert McNamara



Lots 437 and 438 in DP 750179

GROUND FLOOR PLAN

Checked Revision Checker c Authorised Drawing No. Approver A202



13.10.2023 Stage B

08.11.2023 Stage C

17.11.2023 Stage C

29.11.2023 Stage C

WHEEL STOP

MFP METAL FASCIA PORTICO

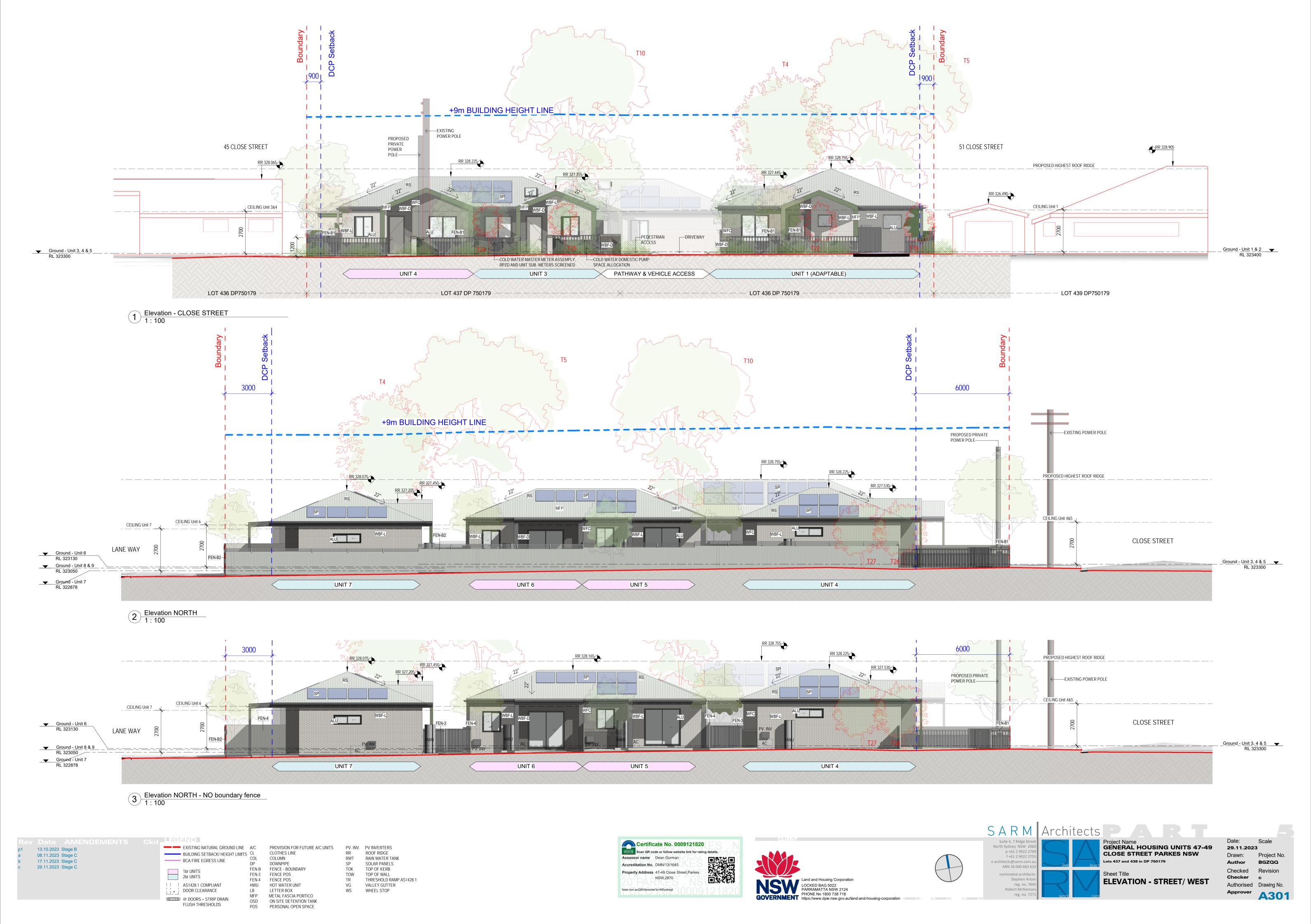
POS PERSONAL OPEN SPACE

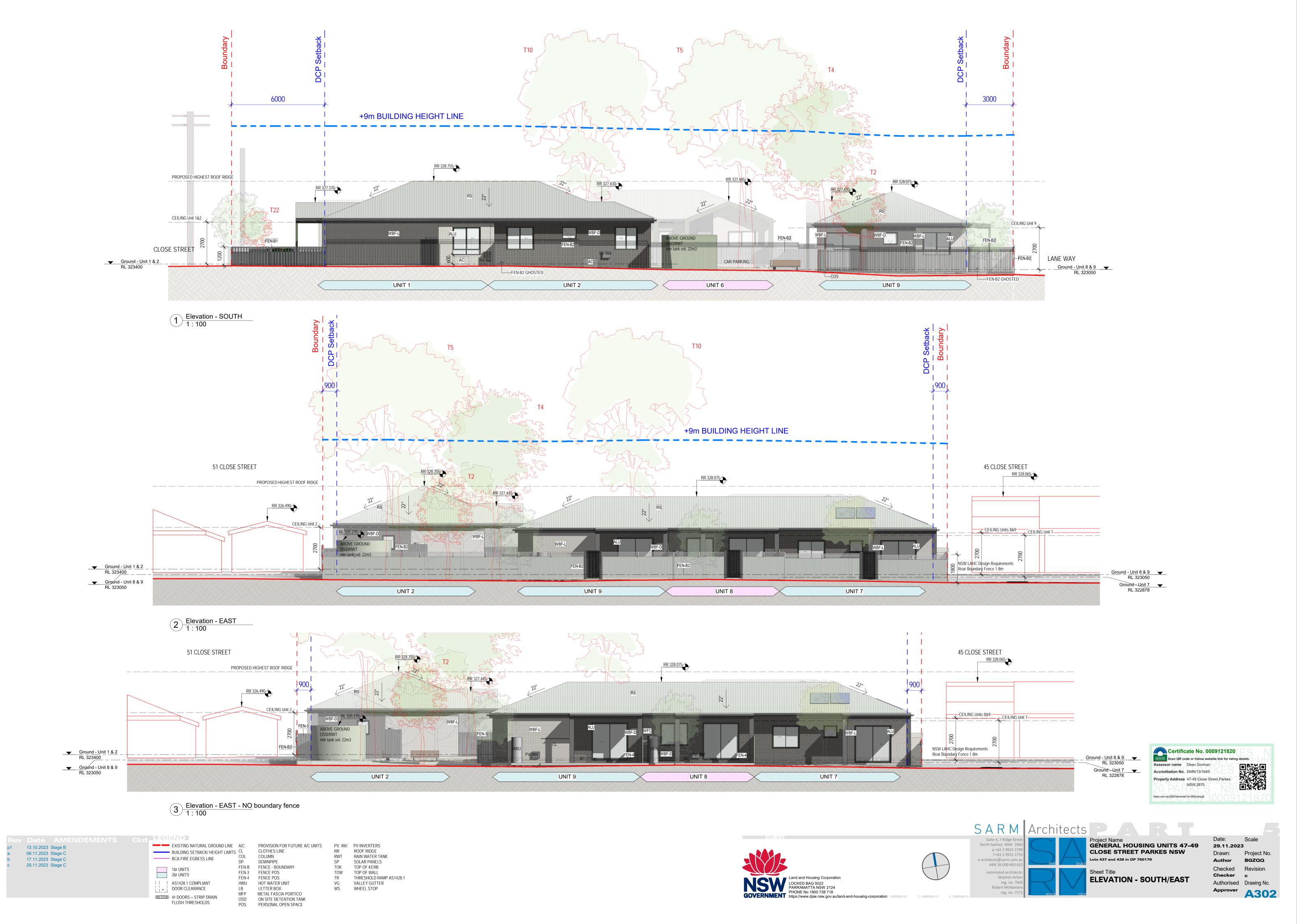
OSD ON SITE DETENTION TANK

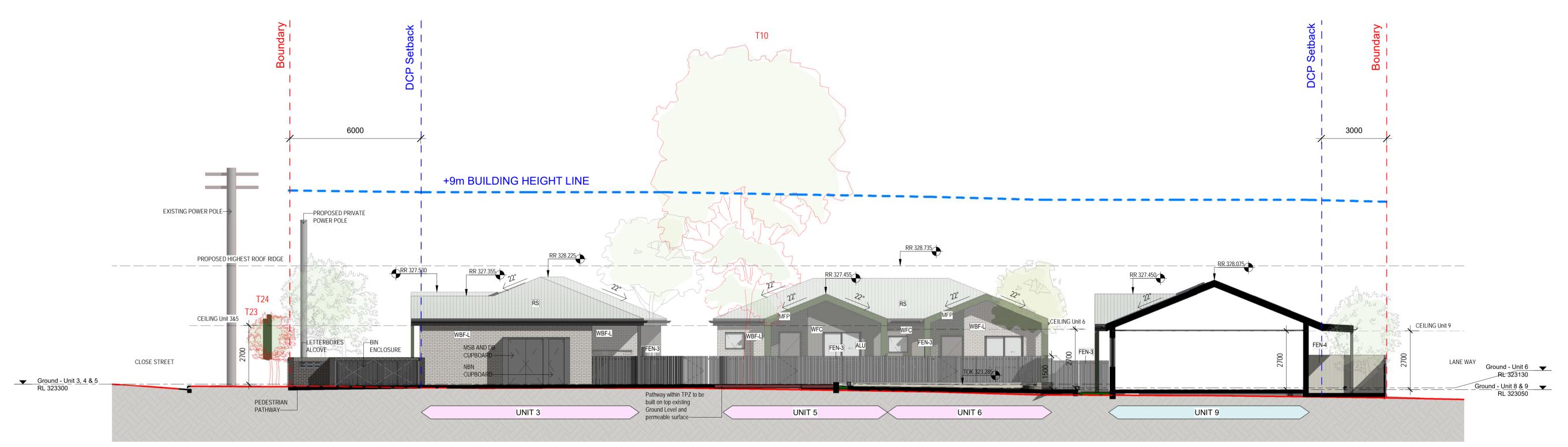
@ DOORS = STRIP DRAIN

FLUSH THRESHOLDS

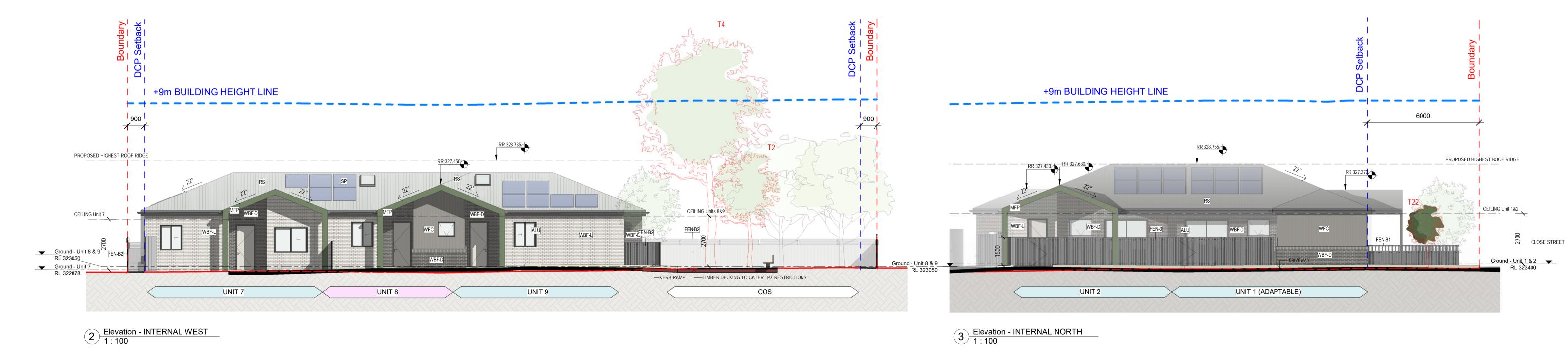
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1 Elevation - INTERNAL SOUTH 1: 100



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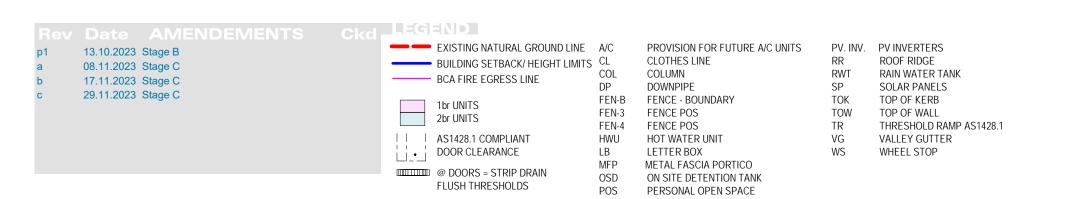
FOUTE Scan QR code or follow website link for rating details.

Assessor name Dean Gorman

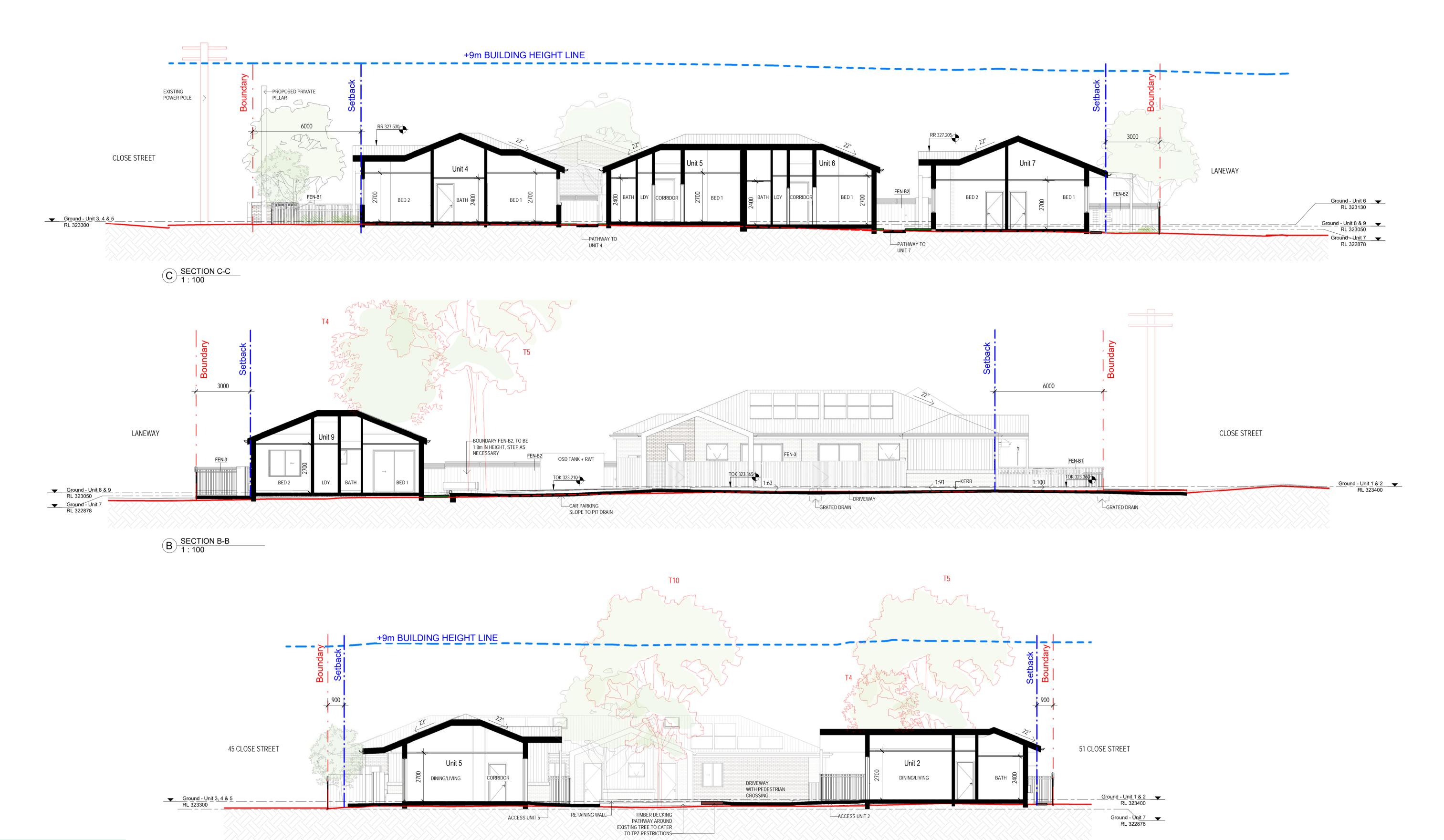
Accreditation No. DMN/13/1645

Property Address 47-49 Close Street, Parkes NSW, 2870

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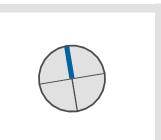






A SECTION A-A 1: 100









Date: Scale
29.11.2023
Drawn: Project No.
Author BGZQQ
Checked Revision
Checker c
Authorised Drawing No.
Approver
A304

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 Date
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 Ckd

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 13.10.2023
 Stage B

 a
 08.11.2023
 Stage C

 b
 17.11.2023
 Stage C

 c
 29.11.2023
 Stage C



1:30pm 2pm



2:30pm 3pm

Suite 4, 7 Ridge Street North Sydney NSW 2060 p +61 2 9922 279 f +61 2 9922 275 e architects@sarm.com.a ABN 26 000 663 62 Stephen Arlo reg. no. 7645 Robert McNam

✓ COMPLIANT

NON - COMPLIANT



Checked Revision Authorised Drawing No.

ViewfromtheSUN - June 3pm





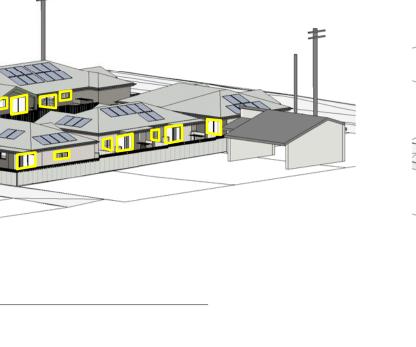
9 ViewfromtheSUN - June 1pm



5 ViewfromtheSUN - June 11am



1 ViewfromtheSUN - June 9am



ViewfromtheSUN - June 130pm

Unit 1 Unit 2 Unit 3

Unit 4 Unit 5 Unit 6

Unit 7

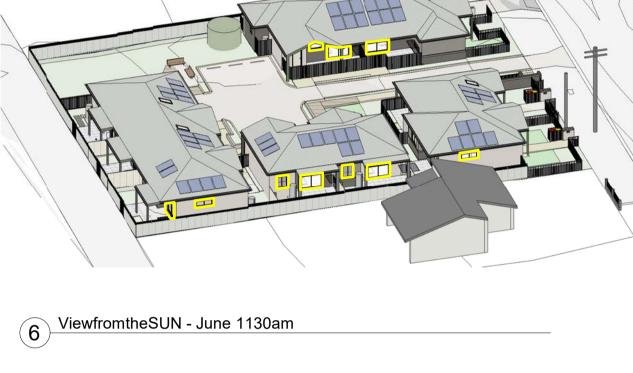
Unit 8

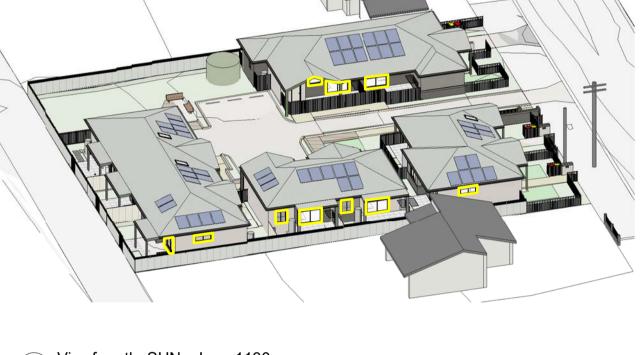
Unit 9

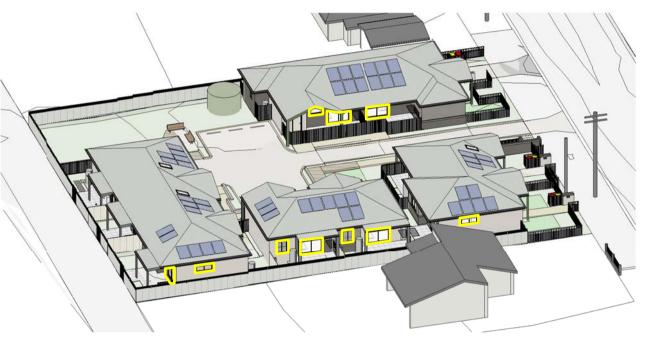
View From Sun Study Table 1:1

2 ViewfromtheSUN - June 930am











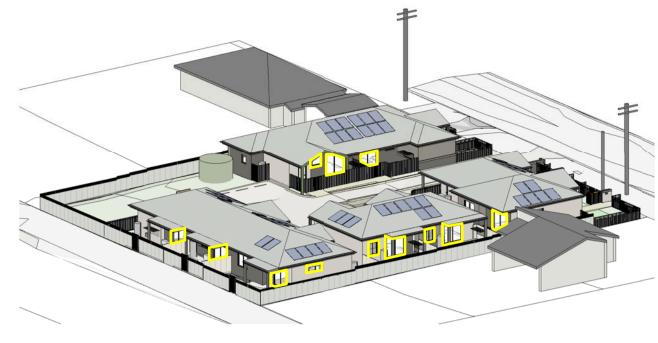
3 ViewfromtheSUN - June 10am

7 ViewfromtheSUN - June 12pm

11 ViewfromtheSUN - June 2pm

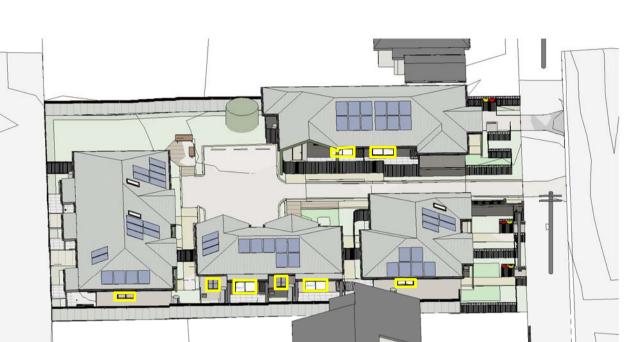
12:30pm 1pm

10am 10:30am 11am 11:30am 12pm



4 ViewfromtheSUN - June 1030am





8 ViewfromtheSUN - June 1230pm

Assessor name Dean Gorman

12 ViewfromtheSUN - June 230pm

Certificate No. 0009121820

Scan QR code or follow website link for rating details. Property Address 47-49 Close Street, Parkes NSW,2870

hstar.com.au/QR/Generate?p=WDyoInpjd

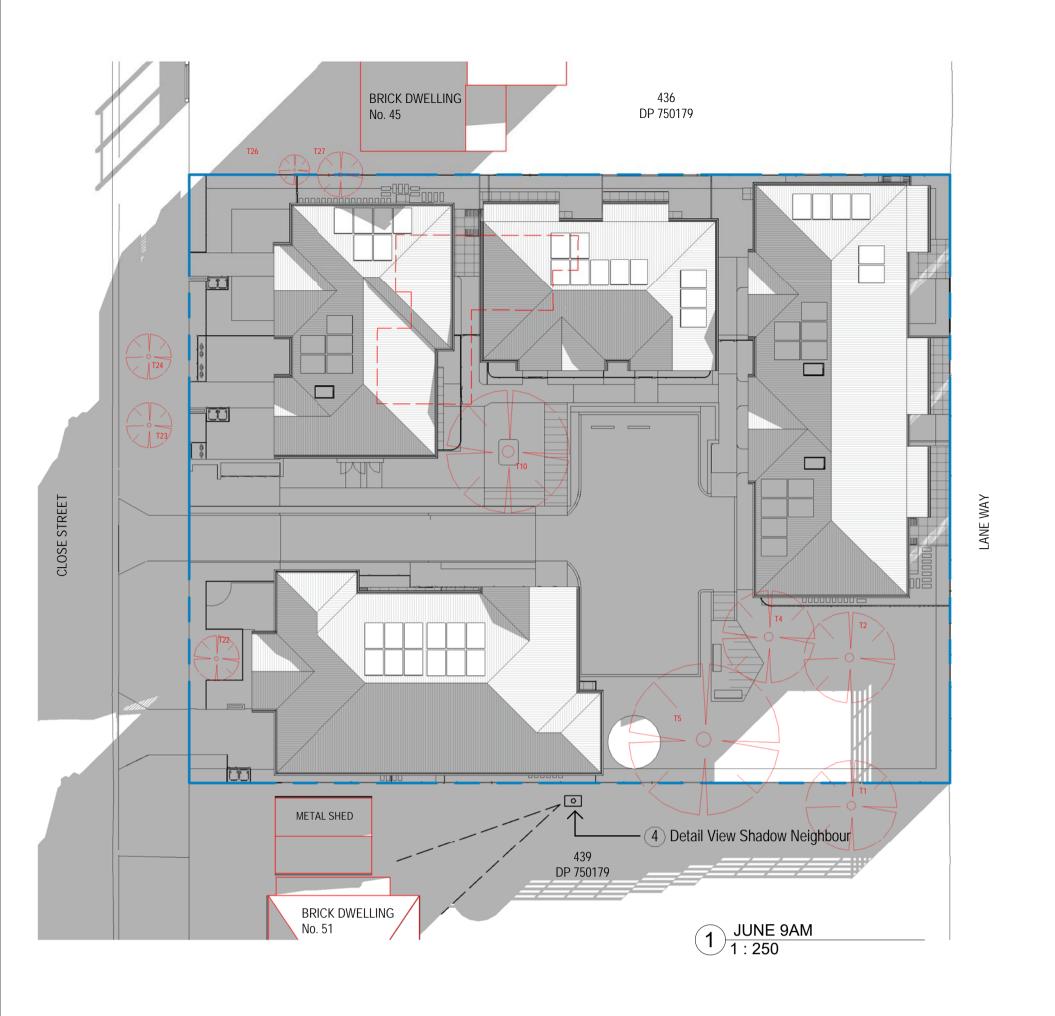
Sunlight Access to Living rooms/ POSs in accordance with LAHC Deemed to Satisfy Compliance Part B4.2a

70% ACHIEVED = COMPLIANCE ACHIEVED

Project Name
GENERAL HOUSING UNITS 47-49
CLOSE STREET PARKES NSW

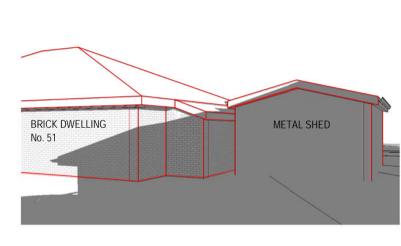
✓ COMPLIANT WITH SKYLIGHT \*U3/U8/U9 Raked ceiling to let direct sunlight in.

**A401** 

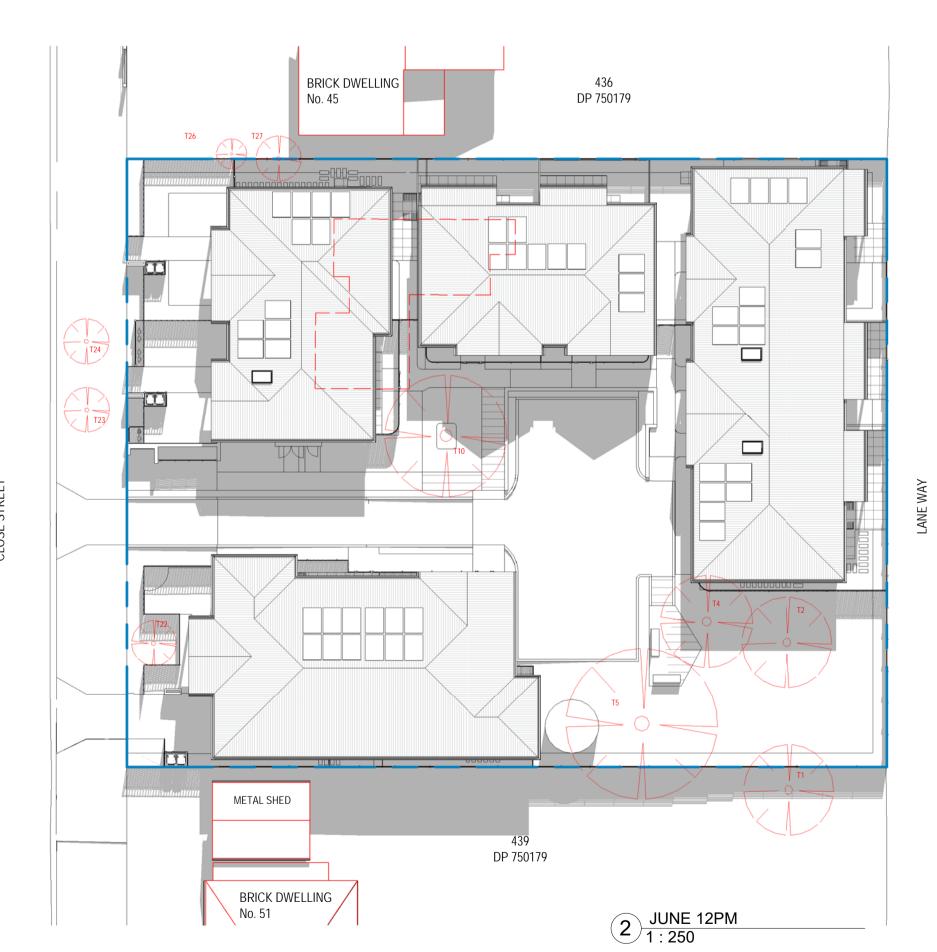


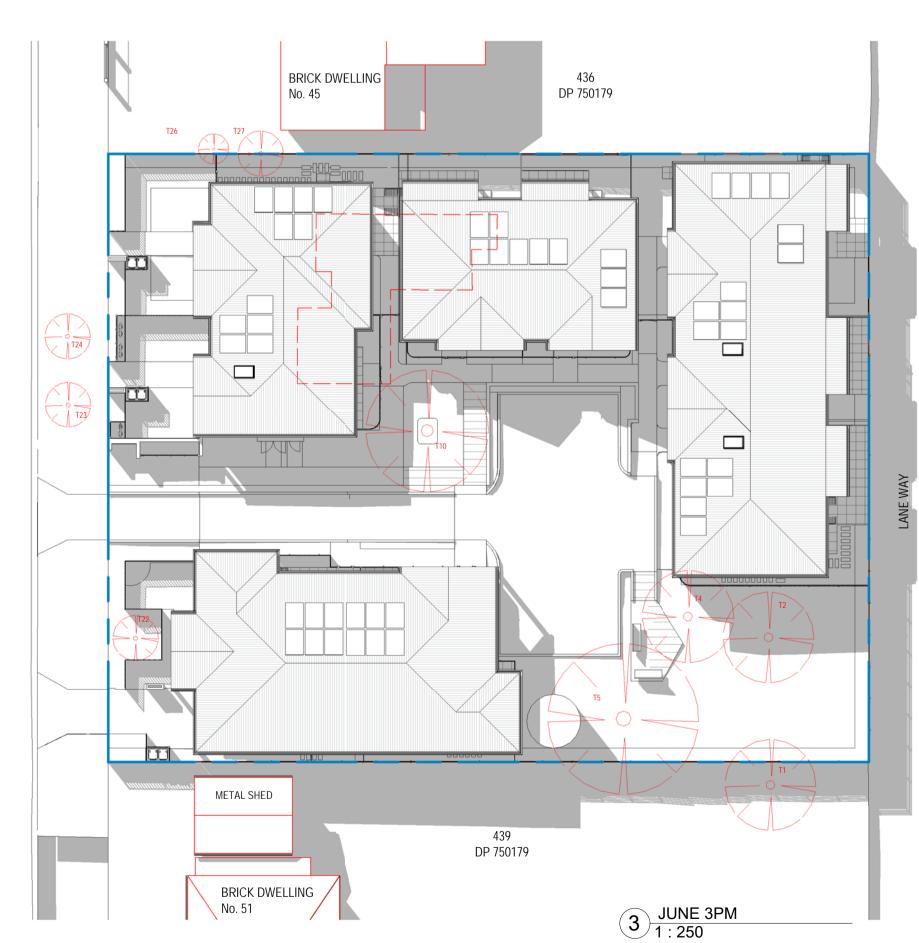






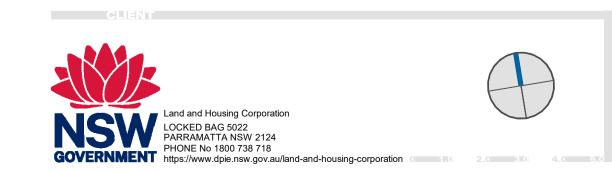
Detail View - 9am Shadow No. 51 Neighbour



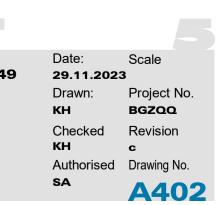


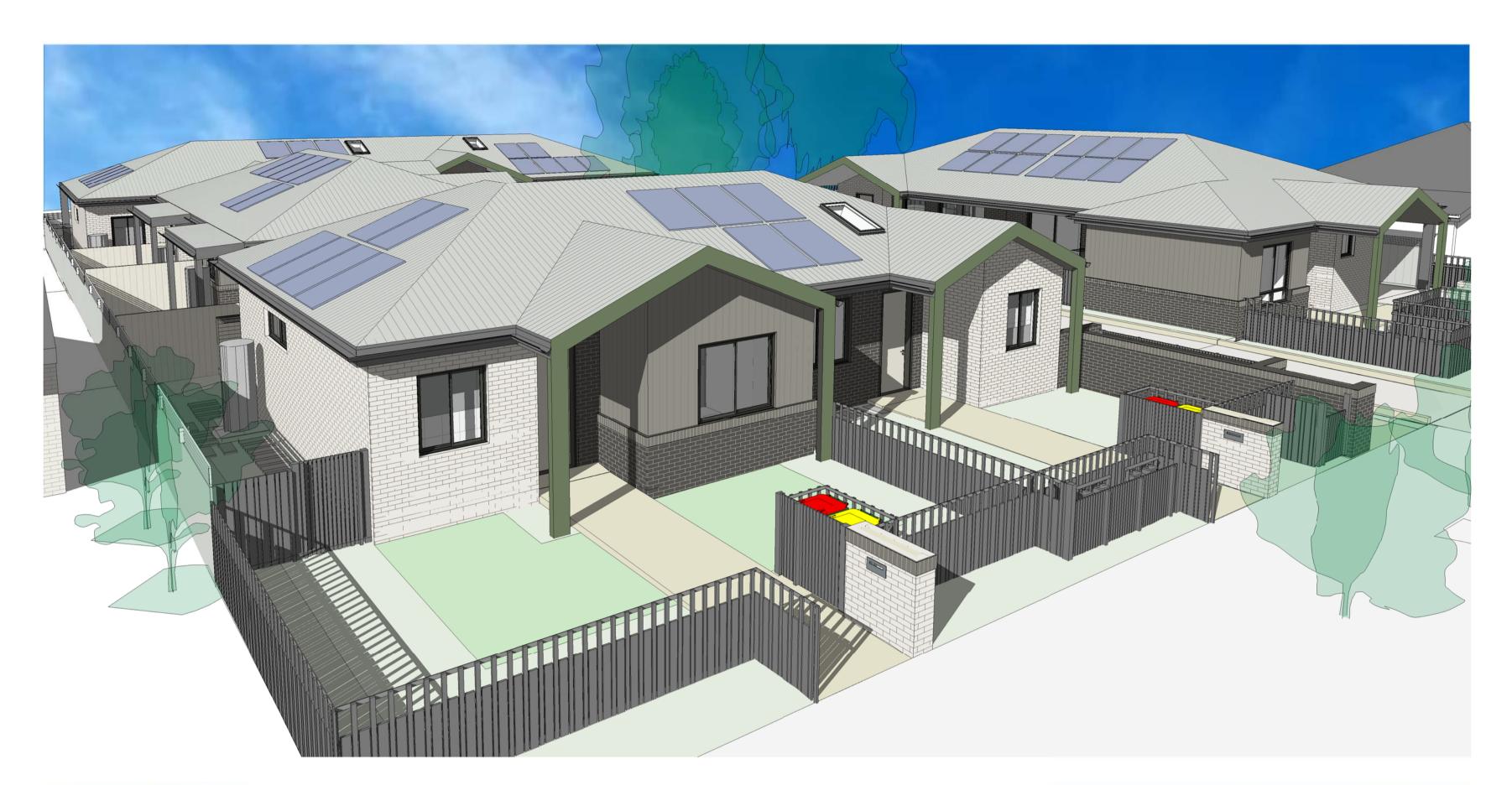




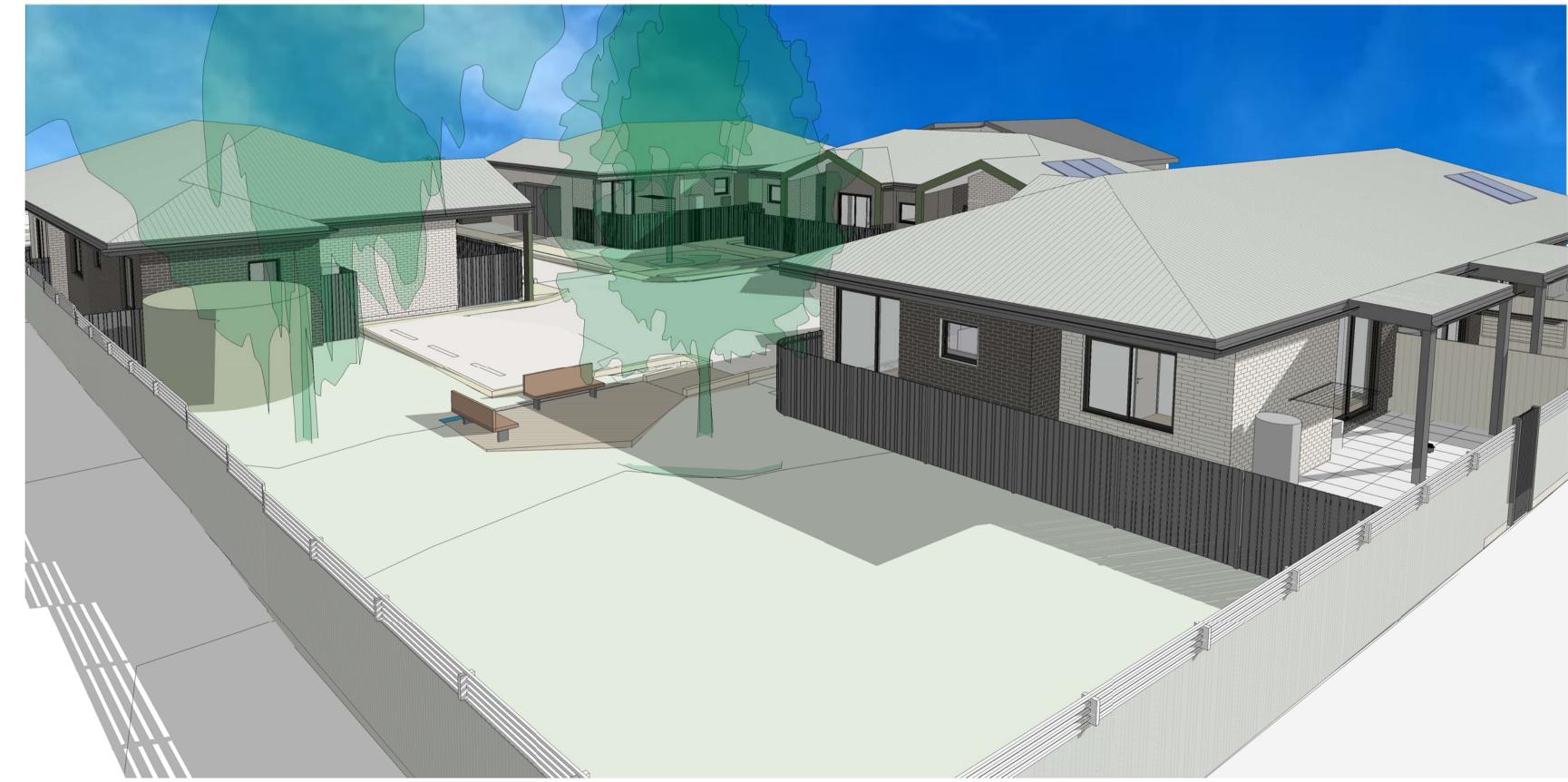






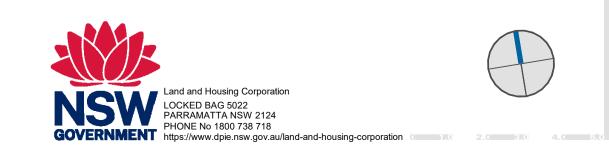


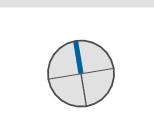
Aerial View from Lane Way









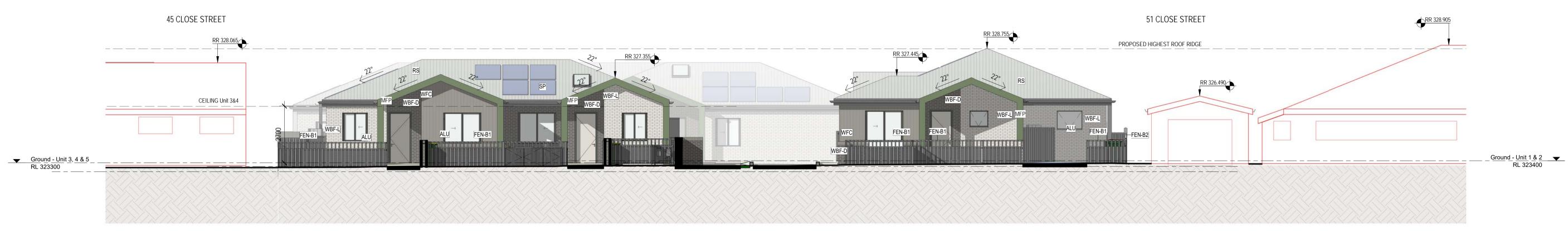




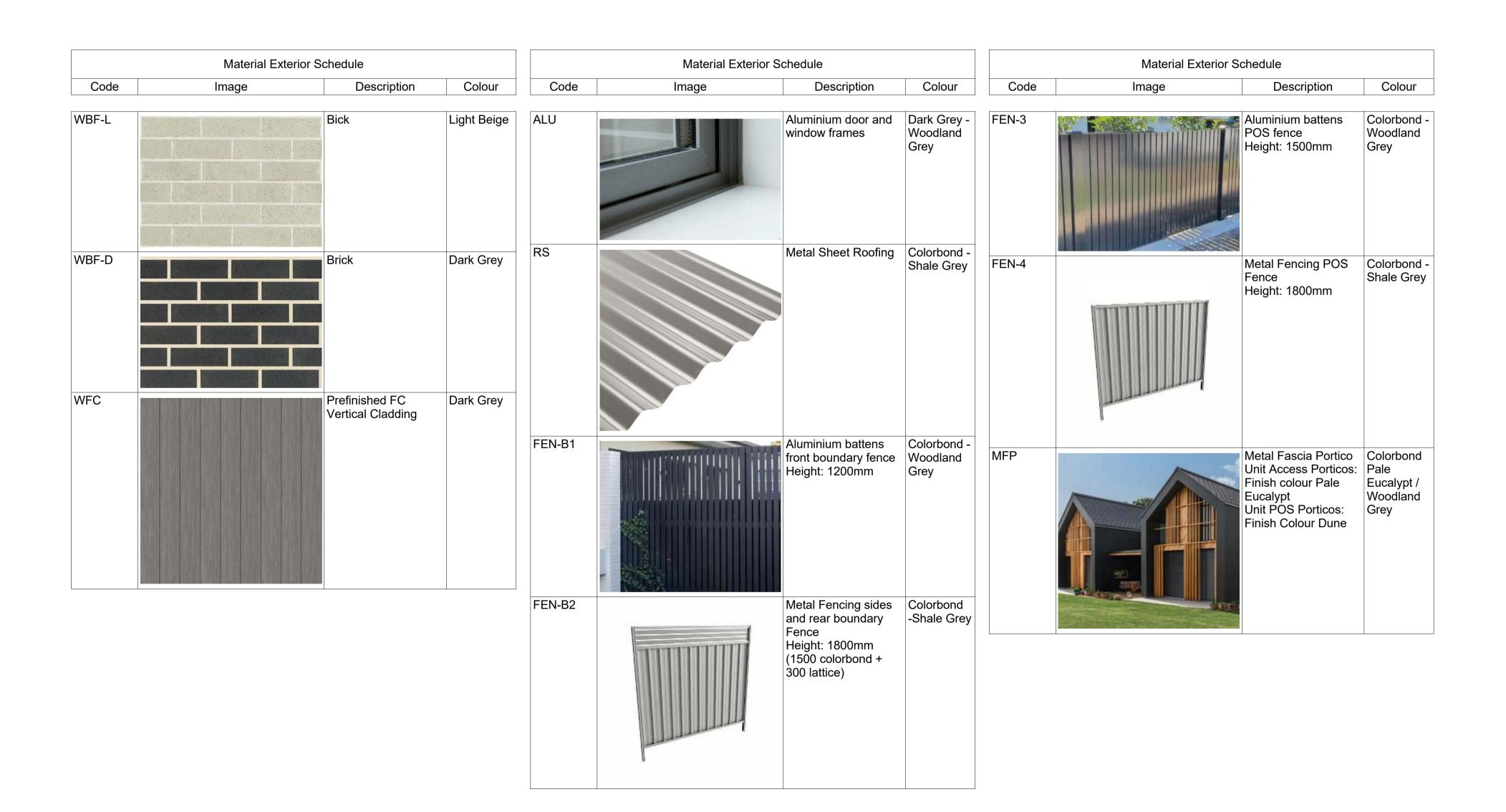
Stephen Arlom reg. no. 7645 Robert McNamara



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1 Elevation CLOSE STREET 1: 100





13.10.2023 Stage B

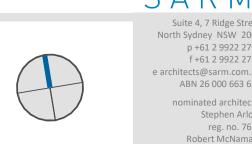
08.11.2023 Stage C

17.11.2023 Stage C

29.11.2023 Stage C

ev Date AMENDEMENTS Ckd LEGEND









29.11.2023 Drawn: Project No. Author BGZQQ Checked Revision Checker c Authorised Drawing No. Approver A404