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C/o

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27th March 2025

Re: Ecologist letter regarding the s4.55 Modification of DA2023/1505 for Demolition works and construction of a dwelling house including landscaping works, at 30 Rayner Road, Whale Beach

Impact to Biodiversity as a result of the proposed changes to the Application

Background Chronology

- 1. Flora and Fauna Report was finalised on 13/10/2023 and submitted as part of DA2023/1505 on the 25/10/2023.
- 2. Council's Natural Environment Referral Response Biodiversity on 15/11/2023 concluded that the proposal is supported.
- 3. DA2023/1505 was approved on 10/05/2024.
- 4. The applicant now seeks to submit a modification to DA2023/1505.
- 5. This letter provides an ecological review of the plans with regard to determining if any additional impact will occur as a result of the changes to the plans.

Biodiversity Values on the Property and Immediately Adjacent

The Biodiversity values present at this site are;

- the adjacent downslope marine environment and rocky foreshore,
- microbat breeding colony with several threatened species, including the Little and Large Bent-winged Bats, nearby in St Michael's Cave in the sea cliff approximately 720m away,
- low vegetation which is habitat for reptiles,
- natural rock features on the cliff face providing habitat for native reptiles, mammals, birds and invertebrates including several threatened flora and fauna species,
- low dense remnant native heathland which is habitat for small mammals such as bandicoots, ring-tailed possums and pygmy possums,
- an east to west wildlife corridor connecting remnant cliff top bushland to Careel Headland Reserve, and
- the presence of the Plant Community Type, Coastal Headland Clay Heath (PCT 1817).

The site has a high proportion of weeds with twice as many weed species as there are native plant species.

The proposed modifications are shown in red on the plans dated 06/03/2025 in the Modification Application and are also provided in Appendix A. In summary the changes since the October 2023 Flora and Fauna report are:

- 1. Canopy over stair 2 (no negative biodiversity impact)
- 2. Continuation of lift 1 to level 1 (no negative biodiversity impact)
- 3. Continuation of stair 2 to level 2 (no negative biodiversity impact)
- 4. Extension of services under the padel court (no negative biodiversity impact)
- 5. Addition of outdoor lighting to padel court (increase in outdoor lighting, small negative biodiversity impact)
- 6. Extension of bin storage (slight reduction in Landscaped area, small negative biodiversity impact)

Impact of Proposed Modifications on Biodiversity Values

The changes shown on the plans are an improvement and will have a slight increase to biodiversity. The negatives impacts to biodiversity include:

- Increased disturbance to native wildlife at night time and increased risk of predation to native fauna by red foxes and feral cats due to the additional of outdoor lighting; and
- A slight reduction in the Landscaped area due to the extension of the bin storage area.

In conclusion, the changes proposed in the s4.55 modification will have a slightly increased negative impact to native flora and fauna, however, they are insignificant and do not change the conclusions of the Flora and Fauna report. The recommendations made in the October 2023 Flora and Fauna report still apply. In addition, it is recommend that a Condition of Consent that controls the intensity of the proposed outdoor lights.

If you would like any further clarification, please contact us on (02) 9939 5129 or 0419 438 672.

Yours sincerely,

Nicholas Skelton - BSc. (Hons) (USyd), M. App. Sc. (UNSW), ECANSW, ESA, MRZS

Director - GIS Environmental Consultants

Attachment A - Changes since DA Site Plans

S4.55 MODIFICATION DRAWING LIST					
NO.	DRAWING NAME	REVISION			
MOD00	COVER PAGE	1			
MOD01	SITE ANALYSIS PLAN	1			
MOD02	ROOF PLAN	1			
MOD03	LEVEL 4 PLAN	1			
MOD04	LEVEL 2 PLAN	1			
MOD05	LEVEL 1 PLAN	1			
MOD06	NORTH ELEVATION	1			
MOD07	EAST ELEVATION	1			
MOD08	SOUTH ELEVATION	1			
MOD09	WEST ELEVATION	1			
MOD10	SECTION AA	1			
MOD11	CUT + FILL DIAGRAM	1			
MOD12	NUMERIC COMPLIANCE SCHEDULE	1			
MOD13	FINISHES AND MATERIALS SCHEDULE (NO CHANGE)	1			

S4.55 - SCHEDULE OF MODIFICATION

- 1. Proposed extension canopy over stair 2
- 2. Continue lift to level 1
- 3. Continue stair 2 down to level 2
- 4. Extend services under padel court
- 5. Addition of outdoor lighting to padel court
- 6. Proposed extension to bin storage

FINISHES CODES

BASIX SUMMARY NOTES

CF2

(CB)	COBBLE STONE COLOUR: MEDIUM	(PB1)	PEBBLES 1 COLOUR: MEDIUM
(CF1)	CONCRETE FINISH COLOUR: LIGHT	PB2	PEBBLES 2 COLOUR: MEDIUN

CONCRETE FINISH COLOUR: LIGHT PAV PAVING

GLAZED BALUSTRADE SANDSTONE CLADDING FIXED GLAZING FRAME COLOUR: LIGHT GL2 TRAVERTINE CLADDING

SLIDING GLAZED DOORS FRAME COLOUR: LIGHT TIMBER FLOOR BOARD

SKYLIGHT FRAME COLOUR: LIGHT

TIMBER PRIVACY SCREEN COLOUR: MEDIUM SASHLESS DOUBLE HUNG WINDOW FRAME COLOUR: LIGHT (WD1)

S4.55 MODIFICATION APPLICATION

New Dwelling

to

30 Rayner Road Whale Beach NSW 2107

for

J GROUP PROJECTS



INDICATIVE AERIAL IMAGE

ABBREVIATION LEGEND

COS Check on Site CT Cooktop DP Downpipe EX Existing

FFL Finished Floor Level FR Fridge

FW Floor Waste - Tile Insert

FΖ Freezer GL Ground Leve

GPO **General Power Outlet**

LFW Linear Floor Waste - Tile Insert

LTG Linear Grated Drain NGL Natural Ground Level

OV Oven

RD Roller/Panel-Lift Door RL Relative Level **RWT** Rainwater Tank SHWR Shower Rose/Rail TG **Grated Drain**

Top of Wall Level

GENERAL LEGEND

TOW

outline of approved DA2023/1505 existing

proposed

extents of proposed modification

BASIX SUMMARY NOTES

<u>Landscape</u> -Plant 200m2 of indigenous or low water use species of vegetation

Fixtures -Install showerheads with a minimum rating of 4 star(>6 but <=7.5L/min plus spray force and/or coverage tests) in all showers
-Install a toilet flushing system with a minimum rating of 4 stars in each toilet
-Install basin taps with a minimum rating of 5 stars in each bathroom

Alternative water Rainwater tank

- Install a rainwater tank of at least 2500 litres on the site. This tank must be installed in - Runoff to be configured from at least 43m2 of the roof area (excluding the area of the

roof that drains to any stormwater tank or private dam)

- Must be configured so overflow is diverted to a stormwater tank

 Connect this water supply to the cold water tap that supplies each clothes washer
 Connect this water supply to at least one outdoor tap (not fit for human consumption) Stormwater tank

-Install a stormwater tank of at least 2500 litres on the site. This tank must be installed

in accordance with the requirements of all regulatory authorities
- Stormwater tank must be configured to collect overflow from the rainwater tank
- The stormwater tank must be configured to collect runoff from at least 200m2 of

- The stormwater tank must be connected to a sub-surface or non-aerosol irrigation system, or if the stormwater has been appropriately treat in accordance with the applicable regulatory requirements, to at least one outdoor tap (NSW hHealth does not recommend stormwater to be used ion edible plants that are to be eaten raw)

Hot water - Install a electric heat pump with a performance of 26 to 30 STCs or better

Cooling system
- Cooling system to be installed with a higher energy rating in at least 1 living area: 1phase air-conditioning; EER 3.5-4
- Cooling system to be installed with a higher energy rating in at least 1 bedroom area:

1-phase air-conditioning; EER >4

Heating system
- Heating system to be installed with a higher energy rating in at least 1 living area: 1-phase air-conditioning; EER >4
- Heating system to be installed with a higher energy rating in at least 1 bedroom area: 1-phase air-conditioning; EER >4

Ventilation Install the following exhaust systems:

- At least 1 bathroom; individual fan; ducted to facade or roof; operation control: manual on/timer off

- Kitchen; individual fan; ducted to facade or roof; operation control: manual on/timer off
 - Laundry; individual fan; ducted to facade or roof; operation control: manual on/timer off

FOR APPROVALS NOT FOR CONSTRUCTION

Natural lighting
- Install a window and/or skylight in the kitchen
- Install a window and/or skylight in 2 bathroom(s)/toilet(s)

Other - Install an induction cooktop and electric oven in the kitchen of the dwelling

Install a fixed indoor or sheltered clothes drving line

COMPONENT	CDECIFICATION	
COMPONENT	SPECIFICATION	
Roof	• Concrete	
• "	Colour: Medium	
Ceiling	R4.0 insulation in all ceilings Rigid insulation growths installed at the Republic of the the country installed at the Republic of the theory installed at the Republic of the Republic	
	Rigid insulation must be installed where R-value of batts cannot be installed without being compressed.	
M/- II -	without being compressed External	
Walls	Stone clad, 190mm concrete block, cavity brick, plasterboard internally, R1.0	
	PIR to cavity	
	Rendered, 190mm concrete block, cavity brick, plasterboard internally, R1.0	
	PIR to cavity	
	190mm Concrete block, cavity brick, plasterboard internally, R1.0 PIR to	
	cavity (Retaining)	
	190mm Concrete block, cavity brick, R1.0 PIR to cavity (Garage)	
	Colour: light (stone + render)	
	Internal	
	190mm Concrete block, 28mm furring channels & plasterboard, R1.0 PIR to	
	furring channel cavities	
Floors	• CSOG	
	Suspended concrete slab in between floors	
	Where suspended slab has external adjacency, insulate ceiling lining with	
	R4.0 (i.e. Kit/Liv/Din and Bed 1 overhang over Terrace)	
	Coverings: Timber and tiles as indicated on plans	
Windows &	Aluminium framed double glazed low-E glass or equivalent with a minimum U-	
Glazed Doors	Value _w and SHGC _w of:	
	Hinged Door: U-Value _w ≤ 4.3; SHGC _w 0.47 (±10%)	
	Sliding/Double Hung: U-Value _w ≤ 4.3; SHGC _w 0.53 (±10%)	
	Skylights: U-Value _w ≤ 2.66; SHGC _w 0.24 (±10%)	
Lighting	Surface Mounted throughout	
	Should recessed lighting be added specify IC-4 rated i.e. can be completely	
	covered and abutted with insulation	
Building	All external windows and doors to habitable/conditioned rooms are to be	
Sealing	fitted with seals to restrict air infiltration	
	Self-closing dampers to all exhaust fans	
	Seal any air infiltration paths with particular attention to ceiling, floor and wall install and parameterizes in the building any along.	
	junctions and penetrations in the building envelope	
BASIX SPECI	FICATION	
Water	200 m² of landscaping to be native endemic or low water use planting	
	Install 2,500 litre rainwater tank with 43 m² roof catchment and connected to	
	garden tap and clothes washer	
	Install 2,500 litre stormwater tank with 200 m² of impervious catchment and	
	connected to sub-surface irrigation system	

Water	•	200 m ² of landscaping to be native endemic or low water use planting
	•	Install 2,500 litre rainwater tank with 43 m² roof catchment and connected to
		garden tap and clothes washer
	•	Install 2,500 litre stormwater tank with 200 m ² of impervious catchment and
		connected to sub-surface irrigation system
Hot Water	ot Water • Install electric heat pump hot water systen with 26-30 STC	
PV System	•	Install 1 KW PV system

S4.55

MODIFICATION APPLICATION

Project Details Revision Printed Revision Note Project Address Project 30 Rayner Road Whale Beach NSW 2107 6/3/2025 S4 55 Modification JG30 Client Name J Group Projects

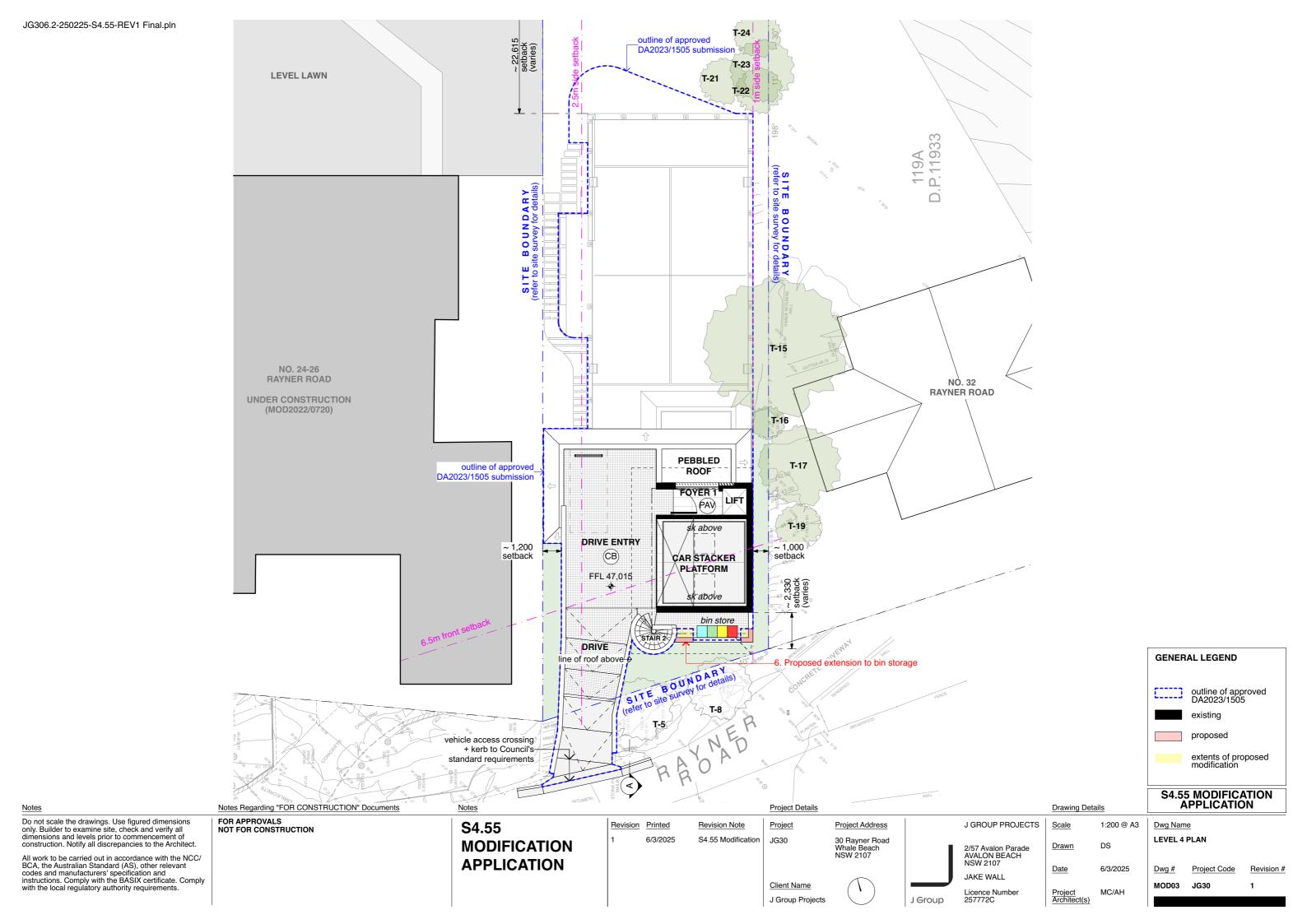
J GROUP PROJECTS 2/57 Avalon Parade AVALON BEACH JAKE WALL Licence Number 257772C J Group

Drawing Details Scale NTS @ A3 DS Drawn 6/3/2025 Date Project Architect(s) MC/AH

S4.55 MODIFICATION APPLICATION Dwg Name **COVER PAGE** Dwg # Project Code Revision # MOD00

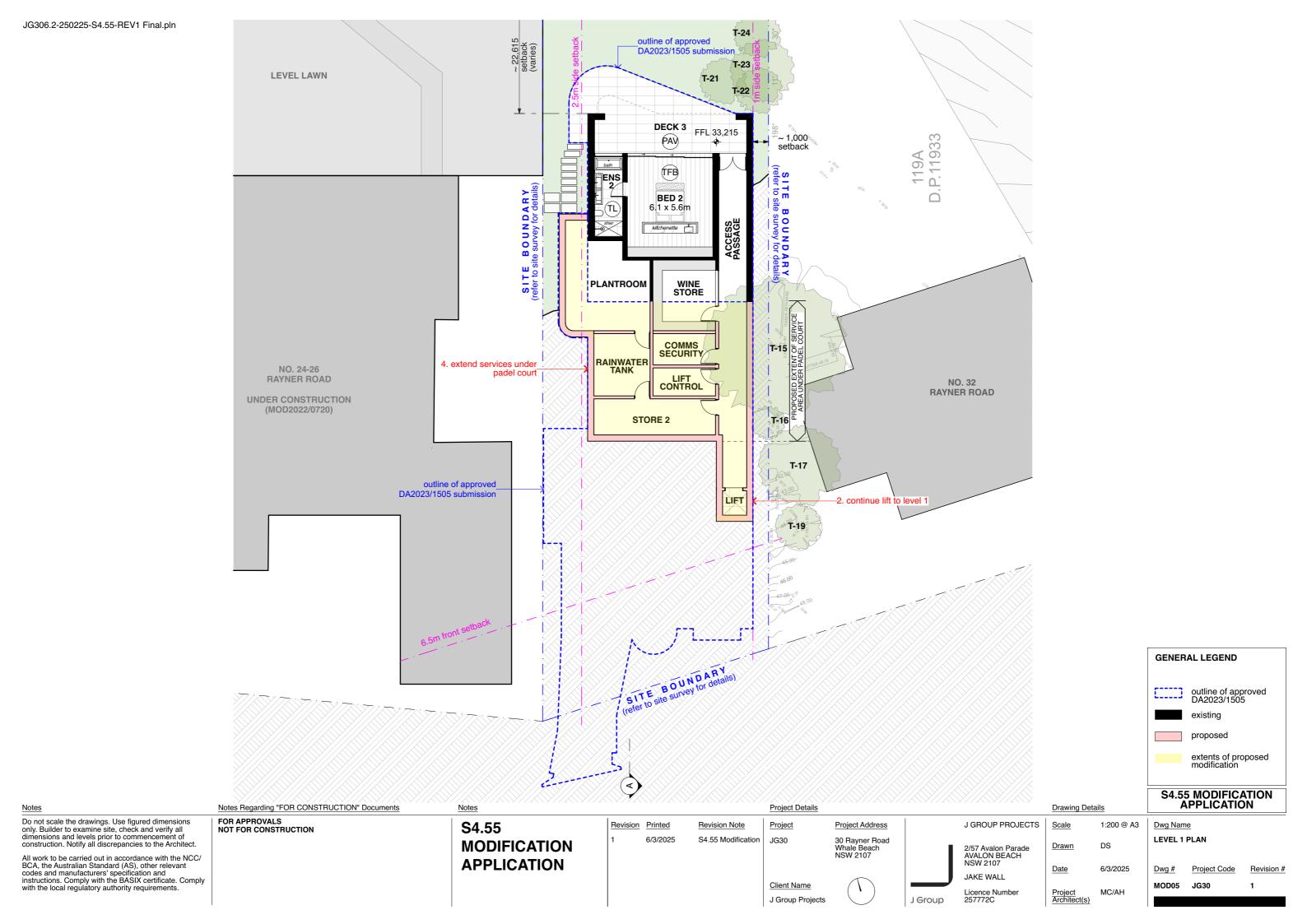
Do not scale the drawings. Use figured dimensions only. Builder to examine site, check and verify all dimensions and levels prior to commencement of construction. Notify all discrepancies to the Architect

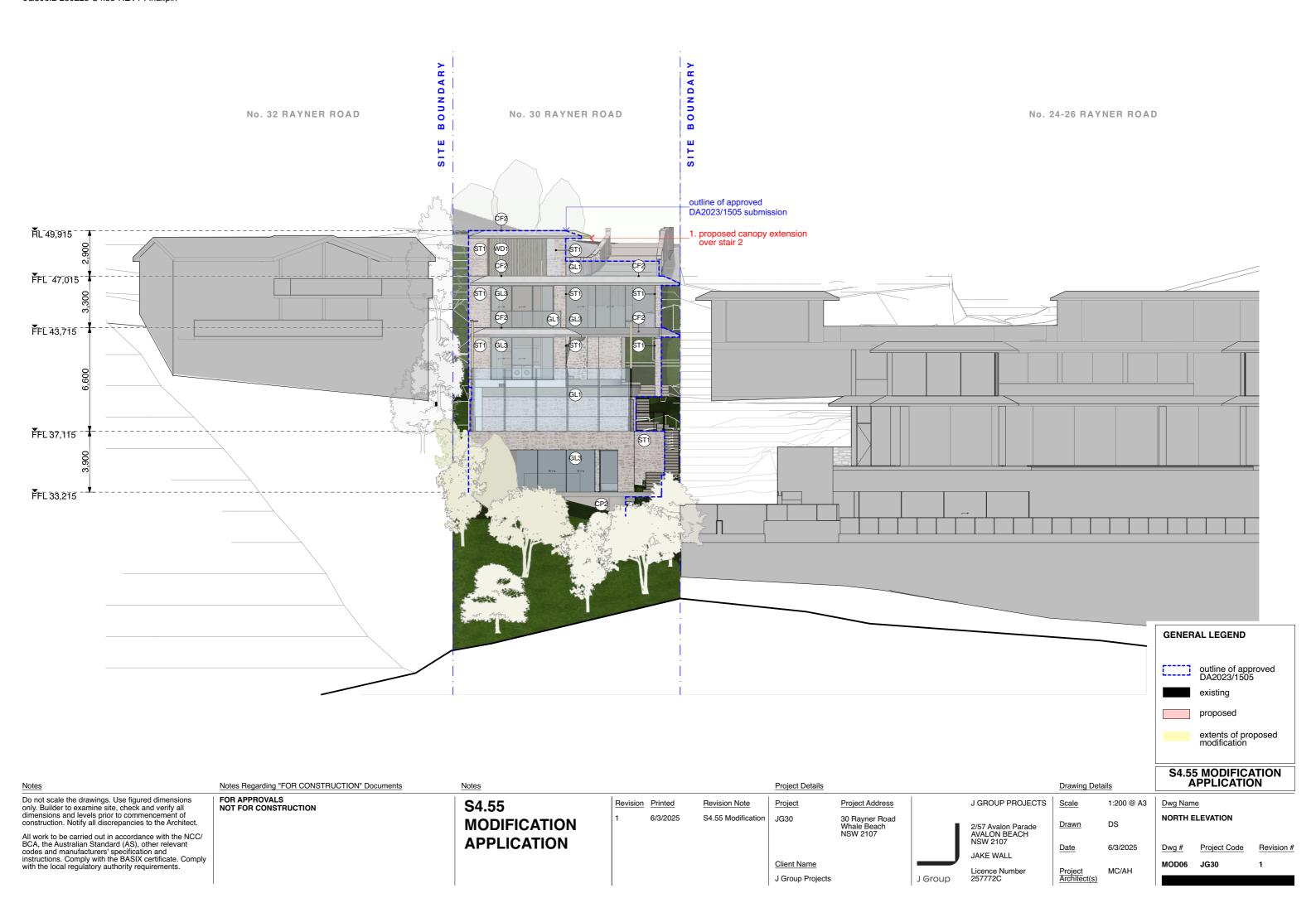
All work to be carried out in accordance with the NCC/ BCA, the Australian Standard (AS), other relevant codes and manufacturers' specification and instructions. Comply with the BASIX certificate. Comply with the local regulatory authority requirements. Notes Regarding "FOR CONSTRUCTION" Documents

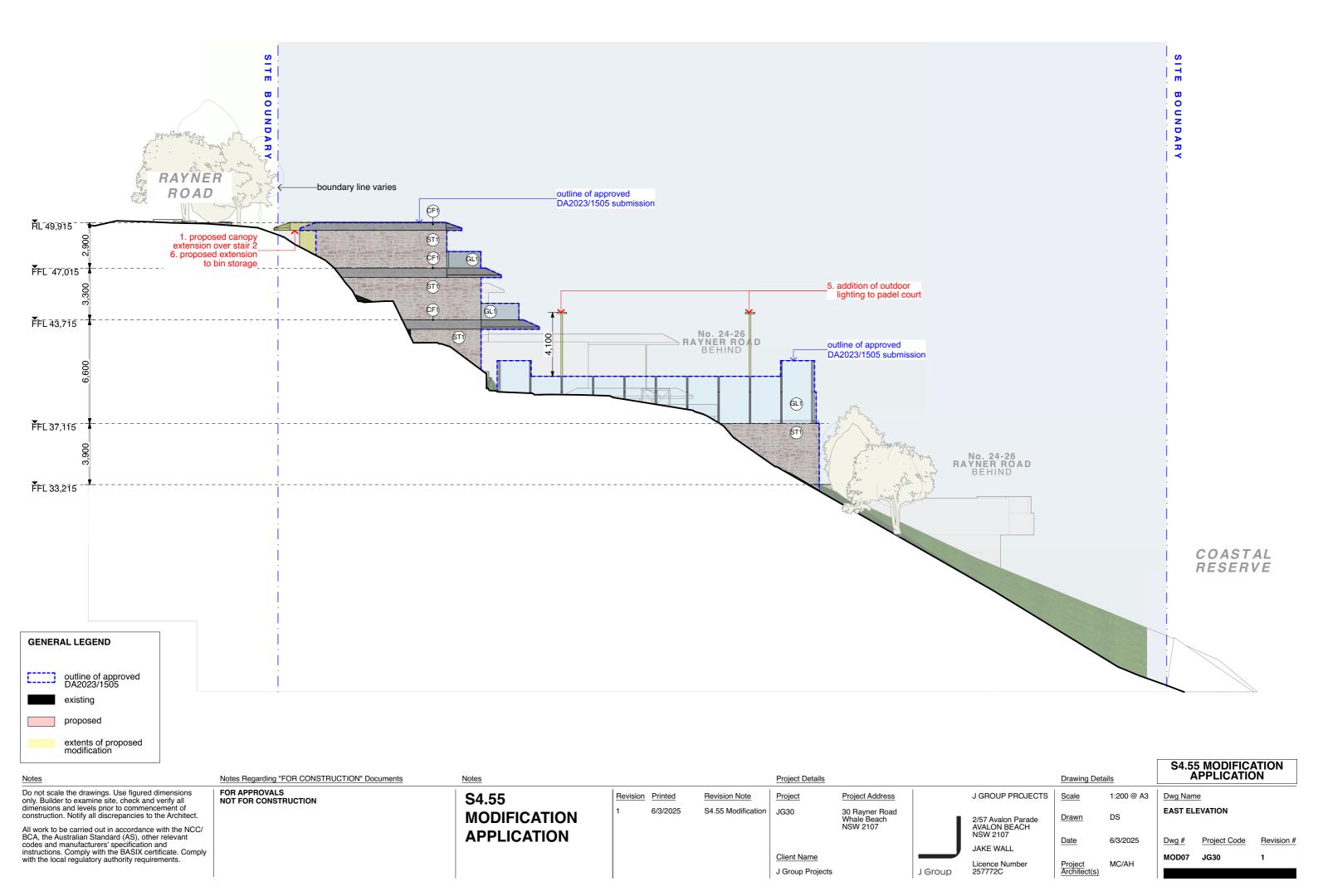


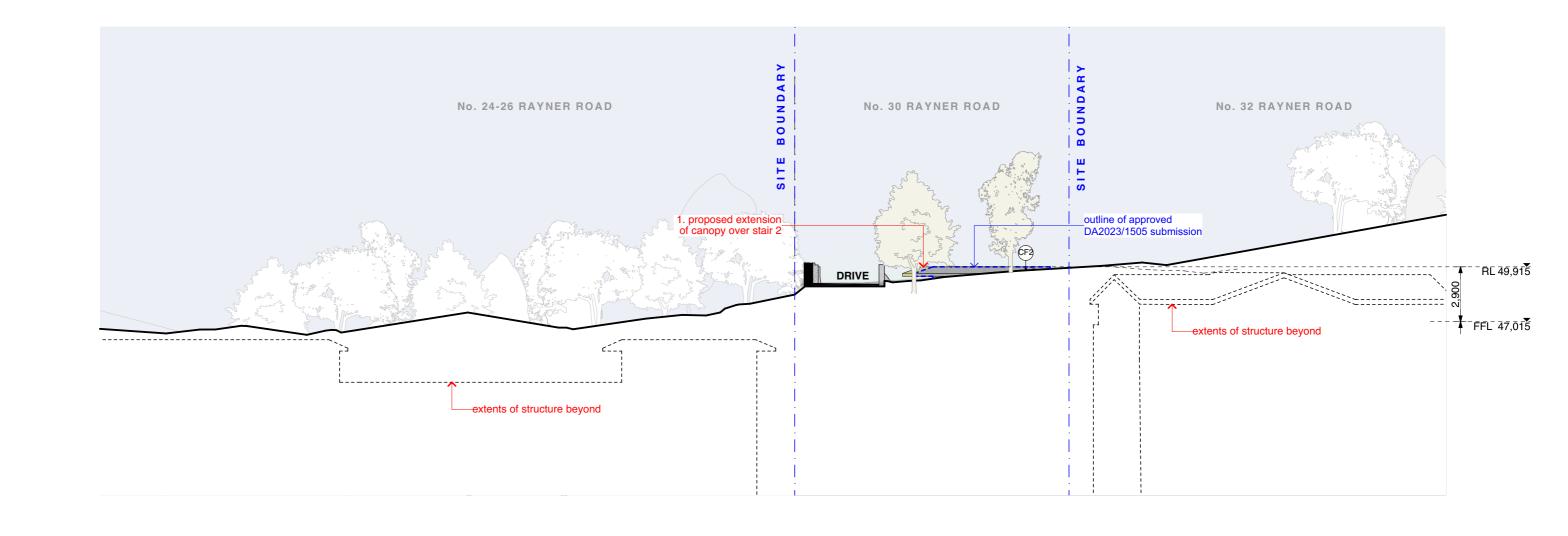
J Group Projects

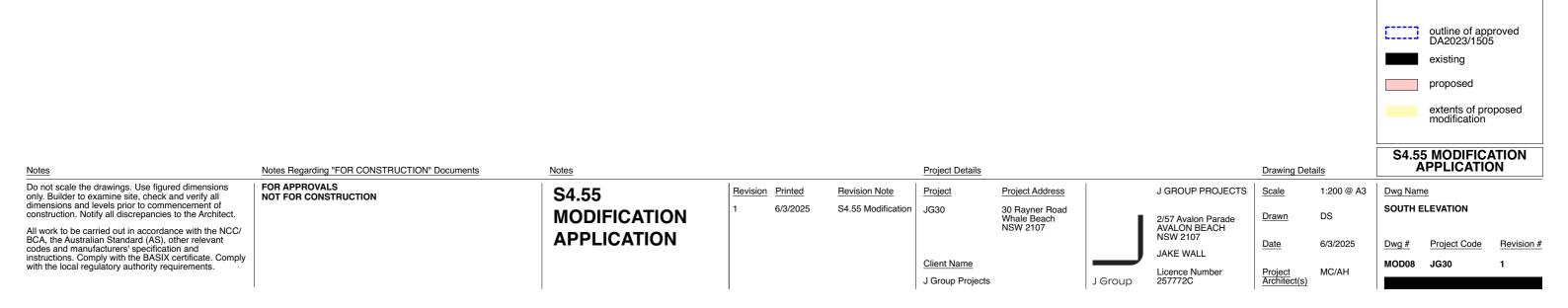
J Group



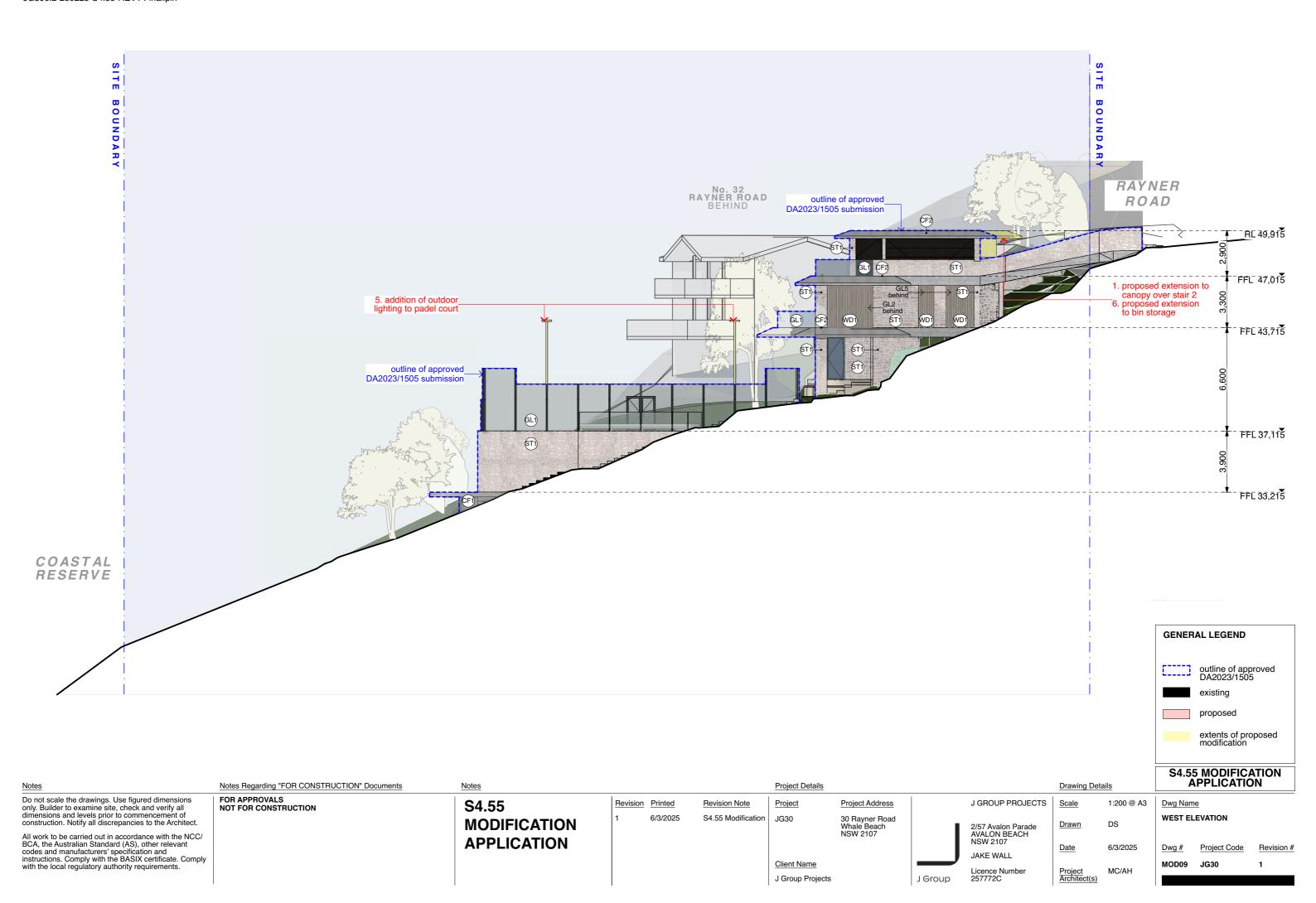


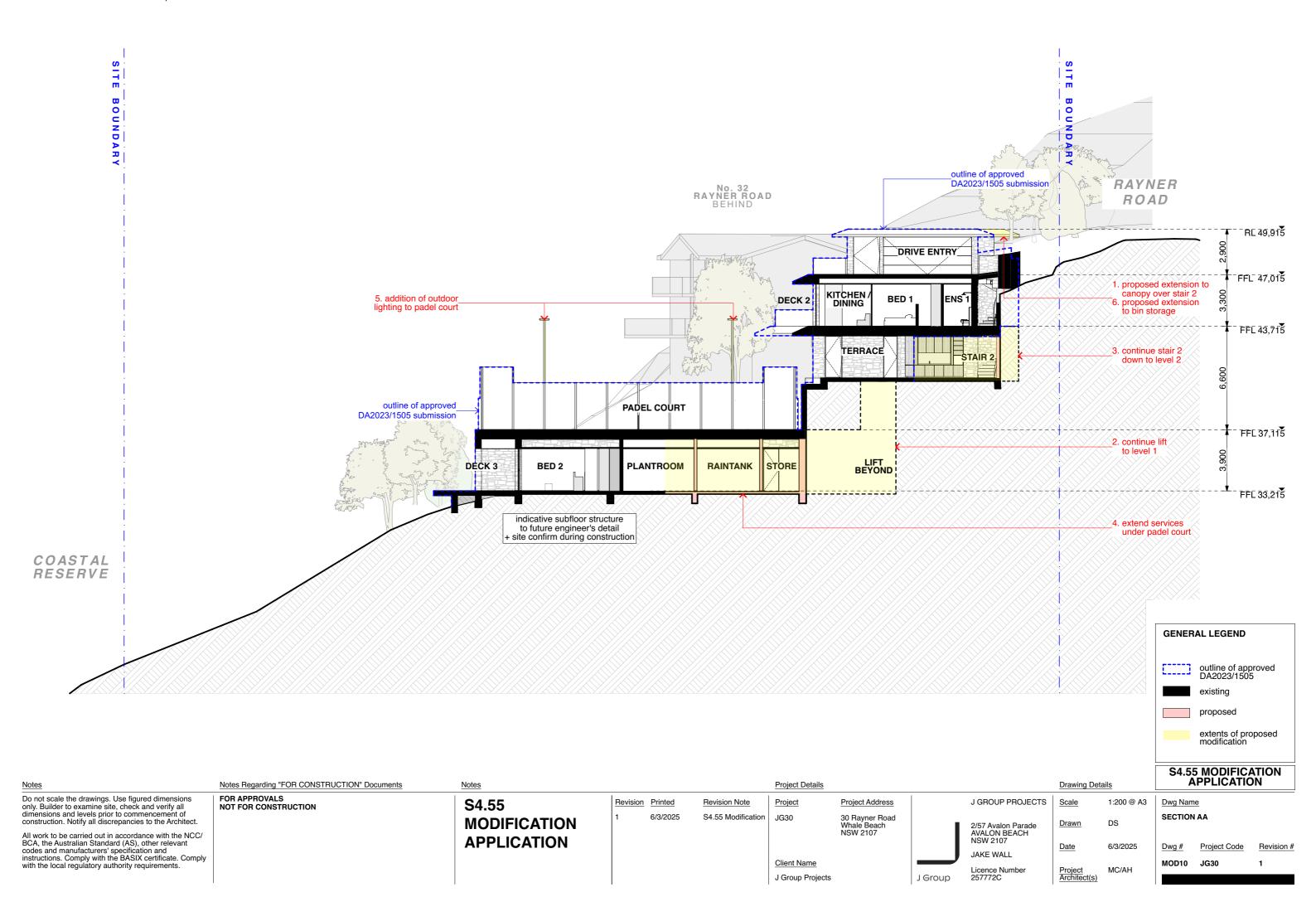


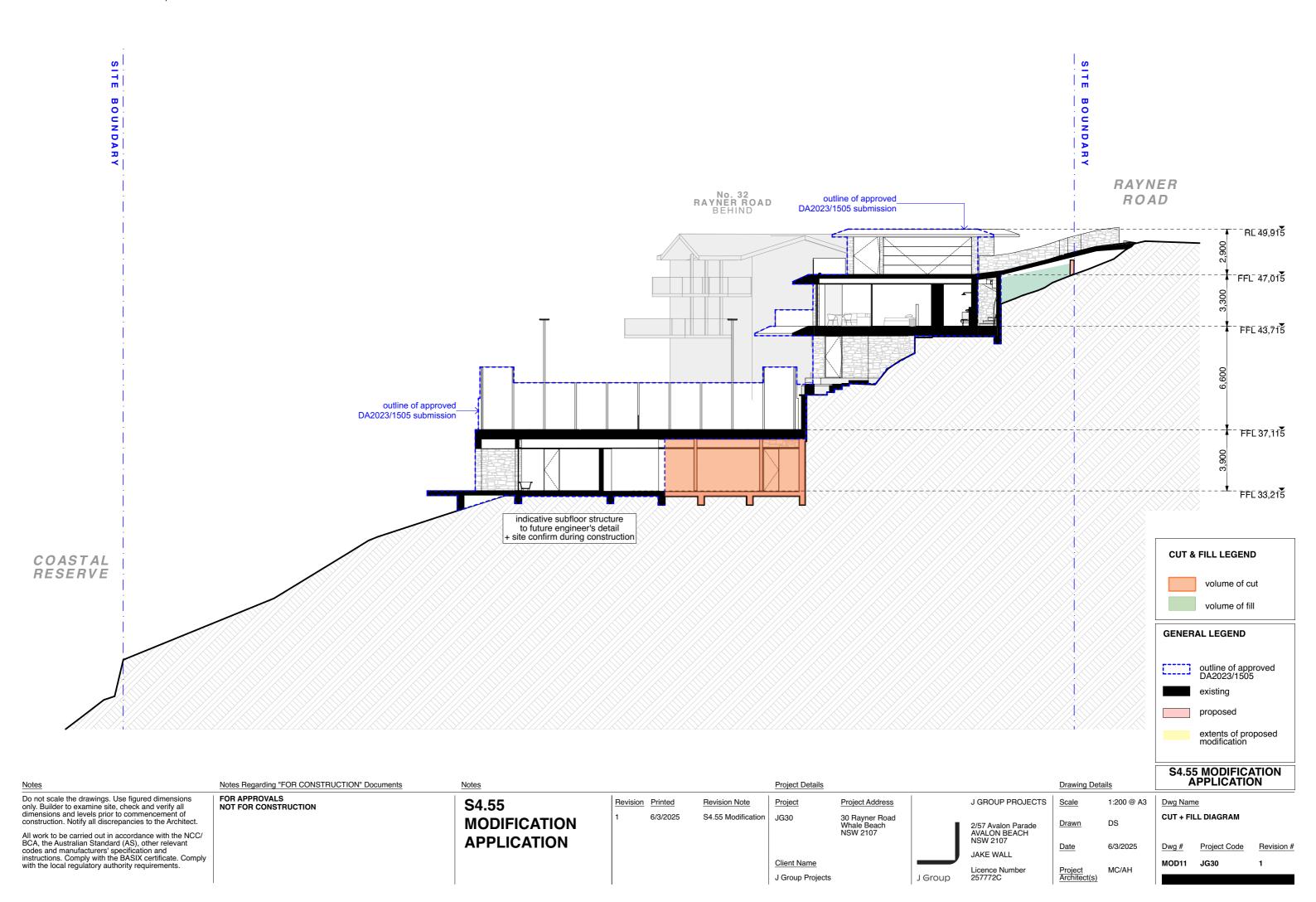


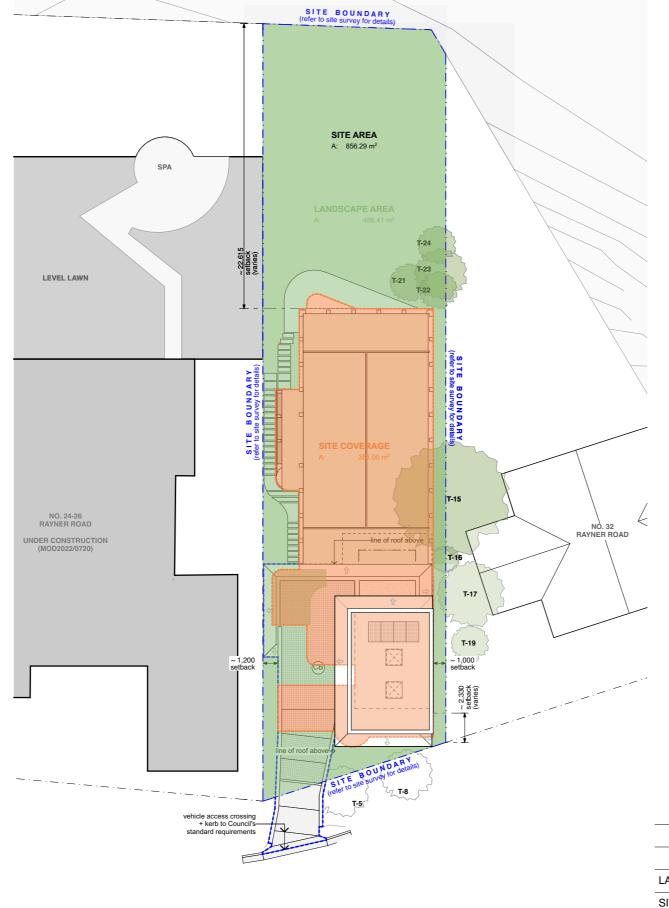


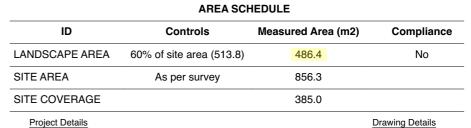
GENERAL LEGEND











NUMERIC COMPLIANCE LEGEND site coverage landscape area

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Notes Regarding "FOR CONSTRUCTION" Documents

FOR APPROVALS NOT FOR CONSTRUCTION

S4.55 MODIFICATION APPLICATION

Notes

Revision Printed Revision Note 6/3/2025 S4.55 Modification

Project Project Address 30 Rayner Road Whale Beach NSW 2107 JG30

Project Details

Client Name

J Group Projects

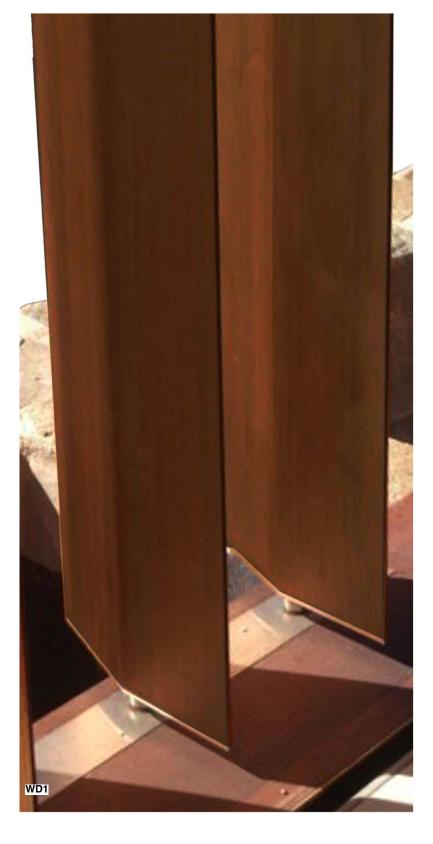
J GROUP PROJECTS Scale 1:300 @ A3 DS 2/57 Avalon Parade AVALON BEACH NSW 2107 Drawn Date 6/3/2025 JAKE WALL Licence Number 257772C Project Architect(s) MC/AH J Group

S4.55 MODIFICATION APPLICATION

Dwg Name NUMERIC COMPLIANCE SCHEDULE Project Code Revision # Dwg #

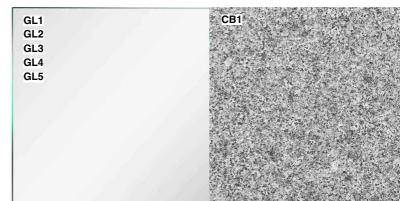
JG30

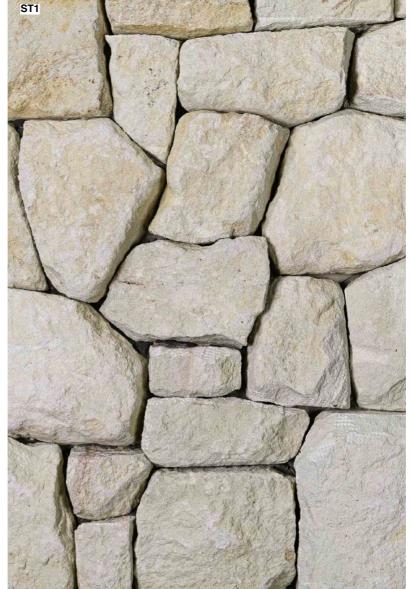
MOD12











J Group Projects

J Group

FINISHES CODES

- COBBLE STONE COLOUR: MEDIUM
- CONCRETE FINISH COLOUR: LIGHT
- CONCRETE FINISH COLOUR: LIGHT
- GL1) GLAZED BALUSTRADE
- GL2 FIXED GLAZING FRAME COLOUR: LIGHT
- SLIDING GLAZED DOORS FRAME COLOUR: LIGHT GL3
- GL4 SKYLIGHT FRAME COLOUR: LIGHT
- SASHLESS DOUBLE HUNG WINDOW FRAME COLOUR: LIGHT GL5
- PEBBLES 1 COLOUR: MEDIUM
- PEBBLES 2 COLOUR: MEDIUM (PB2)
- PAV PAVING
- (\$T1) SANDSTONE CLADDING
- (\$T2) TRAVERTINE CLADDING
- (FB) TIMBER FLOOR BOARD
- (TL) TILES
- WD1) TIMBER PRIVACY SCREEN COLOUR: MEDIUM

S4.55 MODIFICATION APPLICATION Notes Regarding "FOR CONSTRUCTION" Documents Notes Project Details **Drawing Details** Do not scale the drawings. Use figured dimensions only. Builder to examine site, check and verify all dimensions and levels prior to commencement of construction. Notify all discrepancies to the Architect. FOR APPROVALS NOT FOR CONSTRUCTION J GROUP PROJECTS **S4.55** Revision Printed Revision Note Project Project Address Scale NTS @ A3 Dwg Name FINISHES AND MATERIALS SCHEDULE (NO CHANGE) 30 Rayner Road Whale Beach NSW 2107 6/3/2025 S4.55 Modification JG30 **MODIFICATION** DS 2/57 Avalon Parade AVALON BEACH NSW 2107 Drawn All work to be carried out in accordance with the NCC/BCA, the Australian Standard (AS), other relevant codes and manufacturers' specification and **APPLICATION** Date 6/3/2025 Dwg # Project Code Revision # JAKE WALL instructions. Comply with the BASIX certificate. Comply with the local regulatory authority requirements. Client Name MOD13 JG30 Licence Number 257772C Project Architect(s) MC/AH