

Our Ref: NW30025/L001:PDT
Contact: Doug Treloar

29 June 2020

50 Wolseley Road

Point Piper NSW 2027

Attention: Mr Chris Trotta – Associate, Stafford Architecture

Dear Sirs,

50 WOLSELEY ROAD, POINT PIPER

Introduction

Acting upon your instructions, we have reviewed the Woollahra Council Excel Estuary Planning Levels records and Coastal Zone Management Plan wave climate data base prepared by Cardno for this site at 50 Wolseley Road, Point Piper, for the purpose of the development project described below. **Figure 1** shows this site on the western side of Point Piper.

Annexure A provides a site survey and plans for proposed modifications to convert this property from a single residence to three residential units. **Annexure B** provides site photographs, including ones of the existing sandstone block seawall. No changes are proposed for this wall. It appears to sit on a concrete/rock base and to be in sound condition. Its crest level (TOW on the survey), is 2.9m AHD – see the survey presented in **Annexure A**, with slightly lower grassed levels landward of this wall. There are no habitable areas on the lowest ground level – pool and garden area.

This report addresses RFI requests made by Woollahra Municipal Council in terms of its Estuary Planning Level (EPL) and Coastal Zone Management Plan (CZMP) requirements.

Estuary Planning Level

Adopting the 100-years average recurrence interval (ARI), 2100 scenario for design, together with a freeboard of 0.3m (non-habitable areas), we have determined that the estuary planning level is 2.62m AHD – this includes 0.9m of projected sea level rise (SLR). Hence at 2100, the 100-years ARI design water level would not affect the grounds or the existing or modified residence(s) – below the seawall top of level 2.9m AHD. This still water level would not cause any inundation of the property – all levels at or above 2.8m AHD; noting the finished floor level of Unit 1 is 7.25m AHD – lowest unit.

Coastal Zone Management Plan

Wave Overtopping

Cardno's (2015) CZMP addresses wave run-up and overtopping at this site for 2100 with the projected SLR. Because the site is on the western side of Point Piper, the peak EPL, likely caused by a very severe east coast low (ECL) storm in the Tasman Sea. Will be associated with easterly to southerly winds. Hence there would likely be no incident waves on the seawall under those conditions. At other times peak wave conditions at 100-years average recurrence interval may be about 0.7m – with lower water levels.

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203 Pacific Highway
St Leonards 2065
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www.cardno.com

Hence there will likely be no green water wave overtopping of the seawall now or at 2100, other than some white-water spray. Therefore the finished floor levels presented in **Annexure A** are acceptable.

Seawall Condition

Cardno has not undertaken a condition assessment of the site seawall, but the recent photographs presented in **Annexure B** show that it appears quite sound and stands on a solid base – no visible cracks or tilting.

No changes to the seawall are proposed, hence there will be no changes in the effects of the seawall on the narrow low tide beach that stands seaward of this wall.

Summary

Based on these site specific EPL and CZMP investigations, there are no implications for this site at 2100, provided that the seawall is maintained.

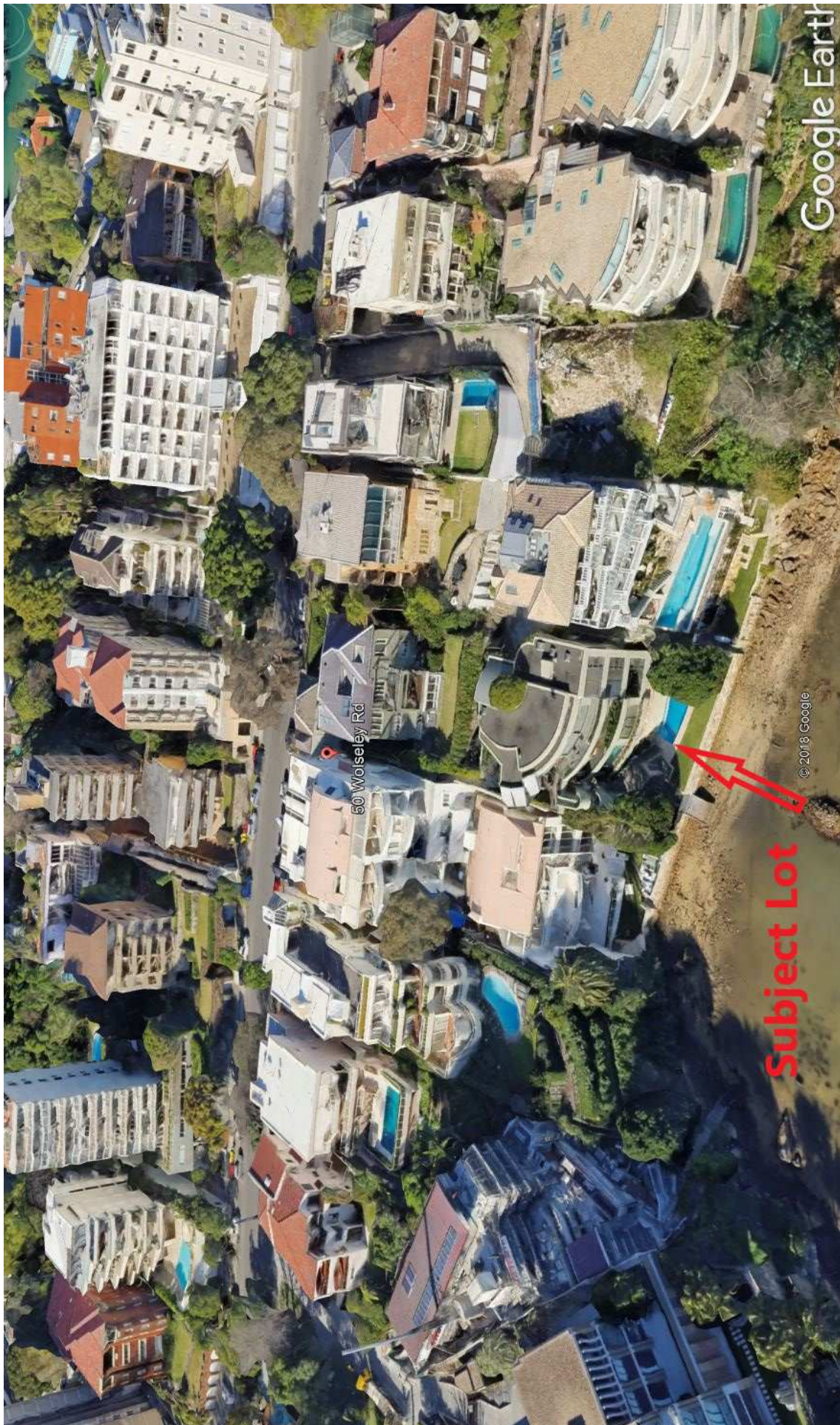
Should you have any questions regarding this correspondence, please do not hesitate to contact me by telephone (9496 7823), or by email (doug.treloar@cardno.com.au).

Yours faithfully,



Doug Treloar
Senior Principal Coastal Engineering
for Cardno
Direct Line: +61 2 9496 7823
Email: Doug.Treloar@cardno.com.au

Cardno (2015): Woollahra Coastal Zone Management Plan, Stage 1. Report LJ3011/R2771 prepared for Woollahra Municipal Council.



Annexure A
Site Survey and Plans

KEY

- BOUNDARY
- SETBACKS
- DEMOLITION OF EXISTING

MATERIALS

- EXISTING
- BRICK
- OFC / CONC - CONCRETE
- GL - GLASS (F) FIXED (O) OPERABLE
- MT - METAL
- ST - STONE
- TM - TIMBER
- R+P(D) - RENDER & PAINT DARK
- R+P(L) - RENDER & PAINT LIGHT

REMOVE EXISTING TREES

RETAIN EXISTING TREE

RETAIN EXISTING SEAWALL STRUCTURE

1
DA321

SYDNEY HARBOUR

RETAIN EXISTING TREE

REMOVE EXISTING TREES

M.H.W.M.

LAWN

EXISTING SWIMMING POOL

COMMUNAL POOL DECK

EXISTING SEWER LINE

RETAIN EXISTING BOUNDARY WALL

NEW SCREENED BIN ENCLOSURE

4/5 STOREY BRICK RESIDENCE
(TILE ROOF)
NO.44A

SHARED DRIVEWAY

3 STOREY RENDERED RESIDENCE
(METAL ROOF)
NO.52-54

5 STOREY RENDERED RESIDENCE
(METAL ROOF)
NO. 52/52B/54

EXISTING MASONRY BOUNDARY WALL TO REMAIN

BOUNDARY 54.885

EXISTING SITE SETBACK

1
DA301

REMOVE EXISTING TREE

BOUNDARY 30.785

3 STOREY BRICK RESIDENCE
(TILE ROOF)
NO.48

1
DA302

SOLAR HOT WATER PANELS
TO BASIX REQUIREMENTS

REMOVE EXISTING TREE

MID GREY ROOF FINISH

SETBACK TO MATCH EXISTING

BOUNDARY 13.045

SETBACK TO MATCH EXISTING

EXISTING SHARED DRIVEWAY TO REMAIN
NO PROPOSED WORKS

BOUNDARY 3.05

2
DA302

WOLSELEY ROAD

LOT 20
DP 843341
SITE AREA 833.30m²

FFL 17330

FFL 2710

FFL 5050

RL 20230

RL 17330

SK.05

SK.02

SK.03

SK.04

1
DA303

EXISTING TURNTABLE

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DEVELOPMENT APPLICATION
SITE PLAN / ROOF PLAN



GENERAL NOTES

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PROJECT

50 WOLSELEY ROAD POINT PIPER

DRAWING

SITE PLAN / ROOF PLAN

PROJECT NO. STAGE DWG NO. REV

181 DA101 A

Drawn: JM Scale: 1:200 @A3
Checked: CT/BS Date: 2020/05/29

BASIX NOTES

Spa:

- Max. 9.15 kL capacity with spa cover and pump timer
- Solar gas-boosted heating only

Rainwater Tank:

- Min. 4331L on site collecting runoff from min. 129SM of roof area
- Must connect rainwater tank to a tap located min. 10m from edge of pool

Hot Water:

- Solar gas-boosted.

Insulation Requirements:

- Flat concrete roof with plasterboard ceiling, medium colour (solar absorptance 0.475-0.70), with min. R1.58 in ceiling and foil backed blanket (55mm) in roof

Windows & Doors:

- W.03, W.04, W.05, W.06, W.07, W.09, W.10, D.17 - Improved aluminium frame with single low-e glass or equivalent (U-value: 4.48; SHGC: 0.46)
- All other new windows and glazed doors - Improved aluminium frame with double glazing or equivalent (U-value: 4.09; SHGC: 0.47)

Skylights:

- Minimum glass U-value: 2.5; SHGC: 0.456

KEY

- BOUNDARY
- - - DEMOLITION OF EXISTING
- UNIT 1
- UNIT 2
- UNIT 3

MATERIALS

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DEVELOPMENT APPLICATION
UNIT 1



GENERAL NOTES

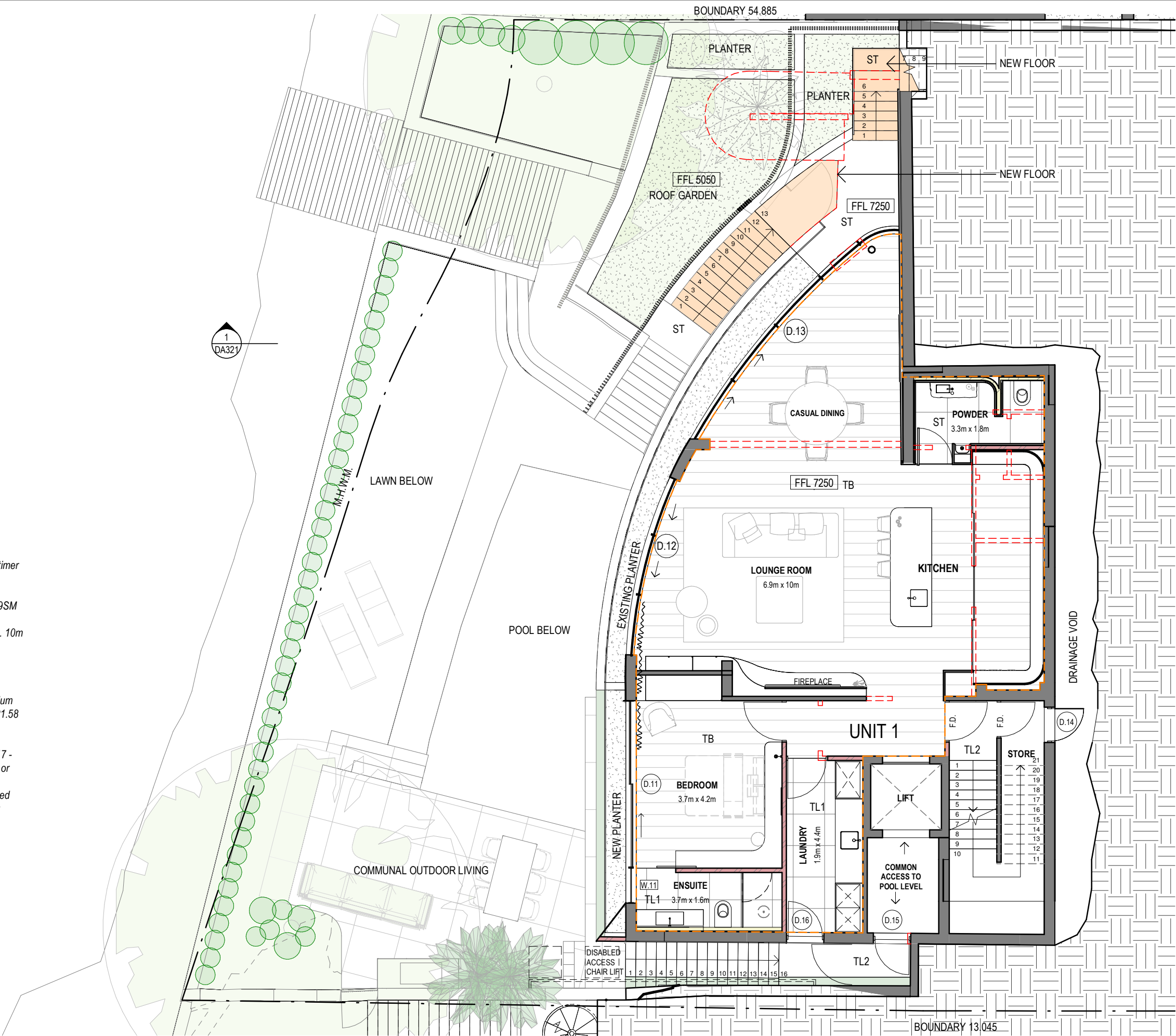
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PROJECT
50 WOLSELEY ROAD POINT PIPER

DRAWING
UNIT 1

PROJECT NO. STAGE DWG NO. REV
181 DA202 A

Drawn: JM Scale: 1:100 @A3
Checked: CT/BS Date: 2020/05/29



KEY

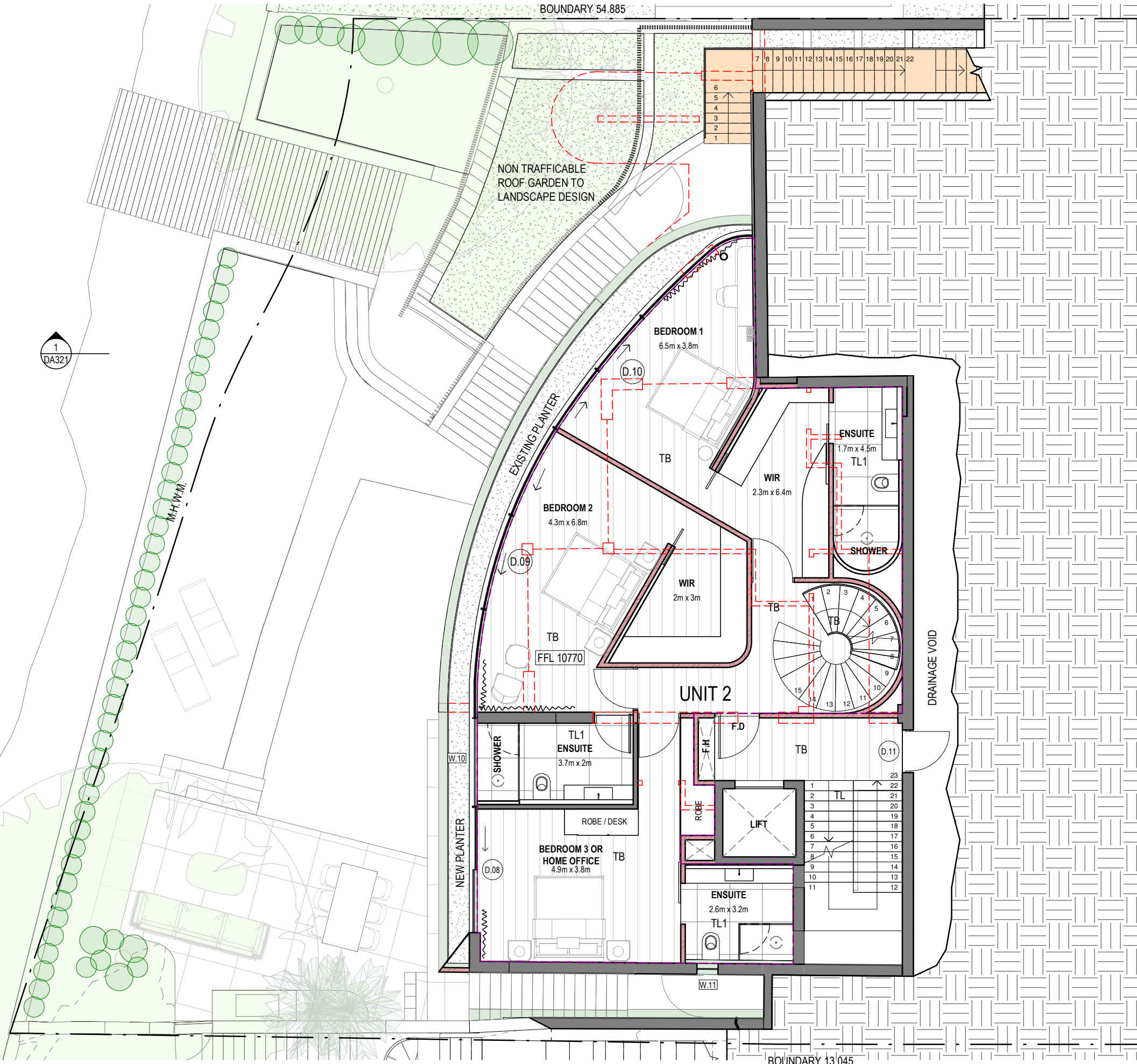
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- - - UNIT 2
- - - UNIT 3

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DEVELOPMENT APPLICATION
UNIT 2 - LOWER LEVEL



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PROJECT

50 WOLSELEY ROAD POINT PIPER

DRAWING

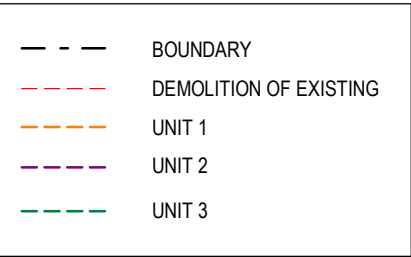
UNIT 2 - LOWER LEVEL

PROJECT NO. STAGE DWG NO. REV

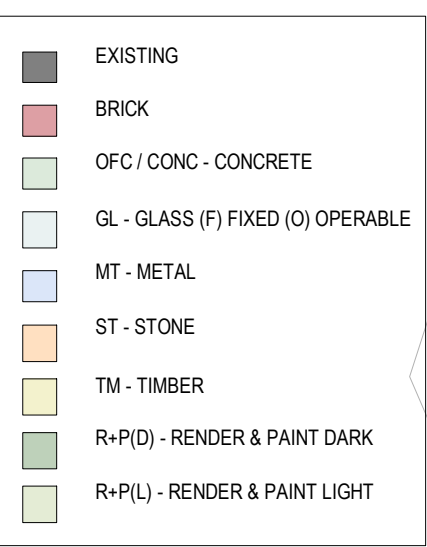
181 DA203 A

Drawn: JM Scale: 1:100 @A3
Checked: CT/BS Date: 2020/05/29

KEY



MATERIALS



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DEVELOPMENT APPLICATION
UNIT 2 - UPPER LEVEL

GENERAL NOTES

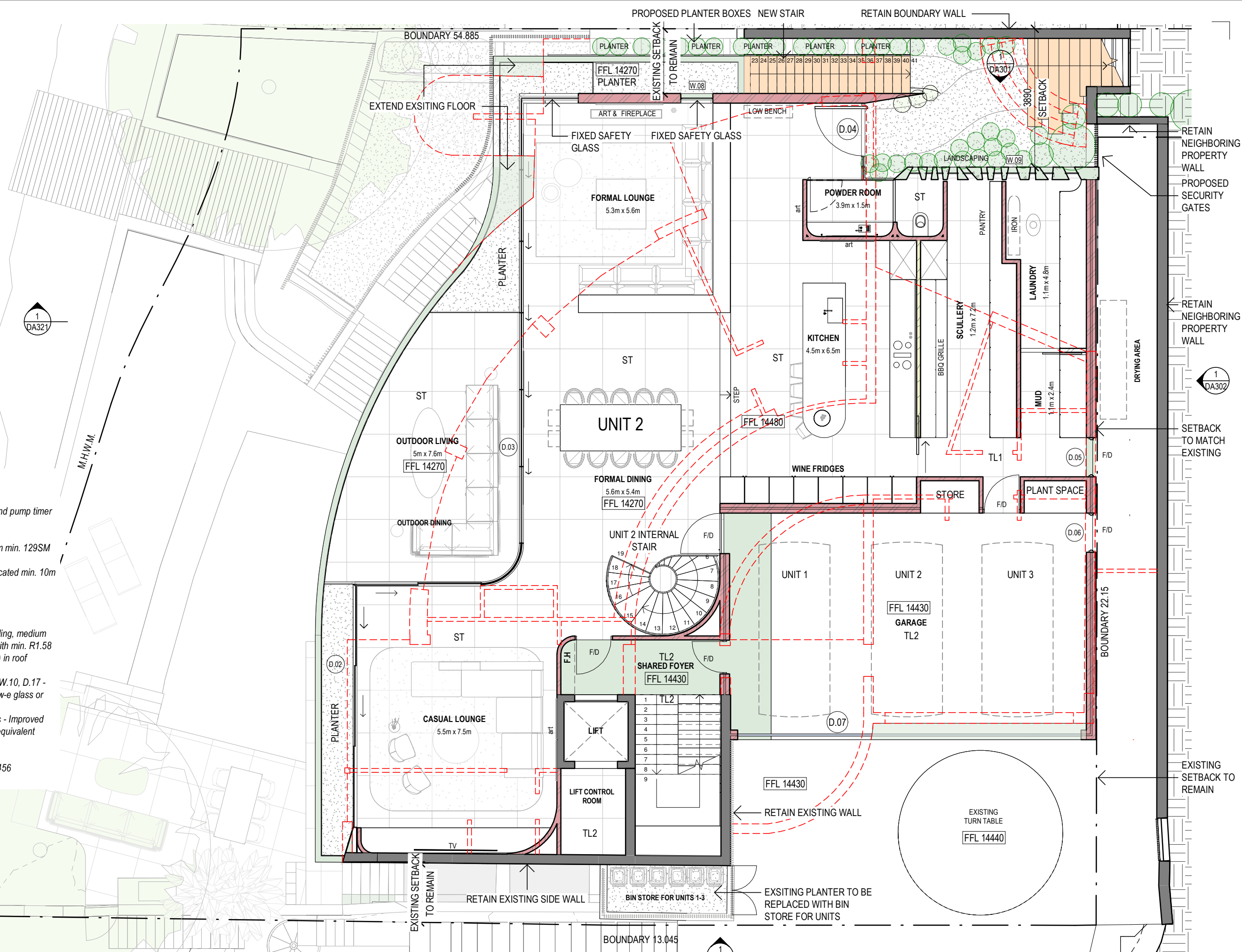
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PROJECT
50 WOLSELEY ROAD POINT PIPER

DRAWING
UNIT 2 - UPPER LEVEL

PROJECT NO. STAGE DWG NO. REV
181 DA204 A

Drawn: JM Scale: 1:100 @A3
Checked: CT/BS Date: 2020/05/29



KEY

- BOUNDARY
- - - DEMOLITION OF EXISTING
- - - UNIT 1
- - - UNIT 2
- - - UNIT 3

MATERIALS

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DEVELOPMENT APPLICATION
UNIT 3



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PROJECT

50 WOLSELEY ROAD POINT PIPER

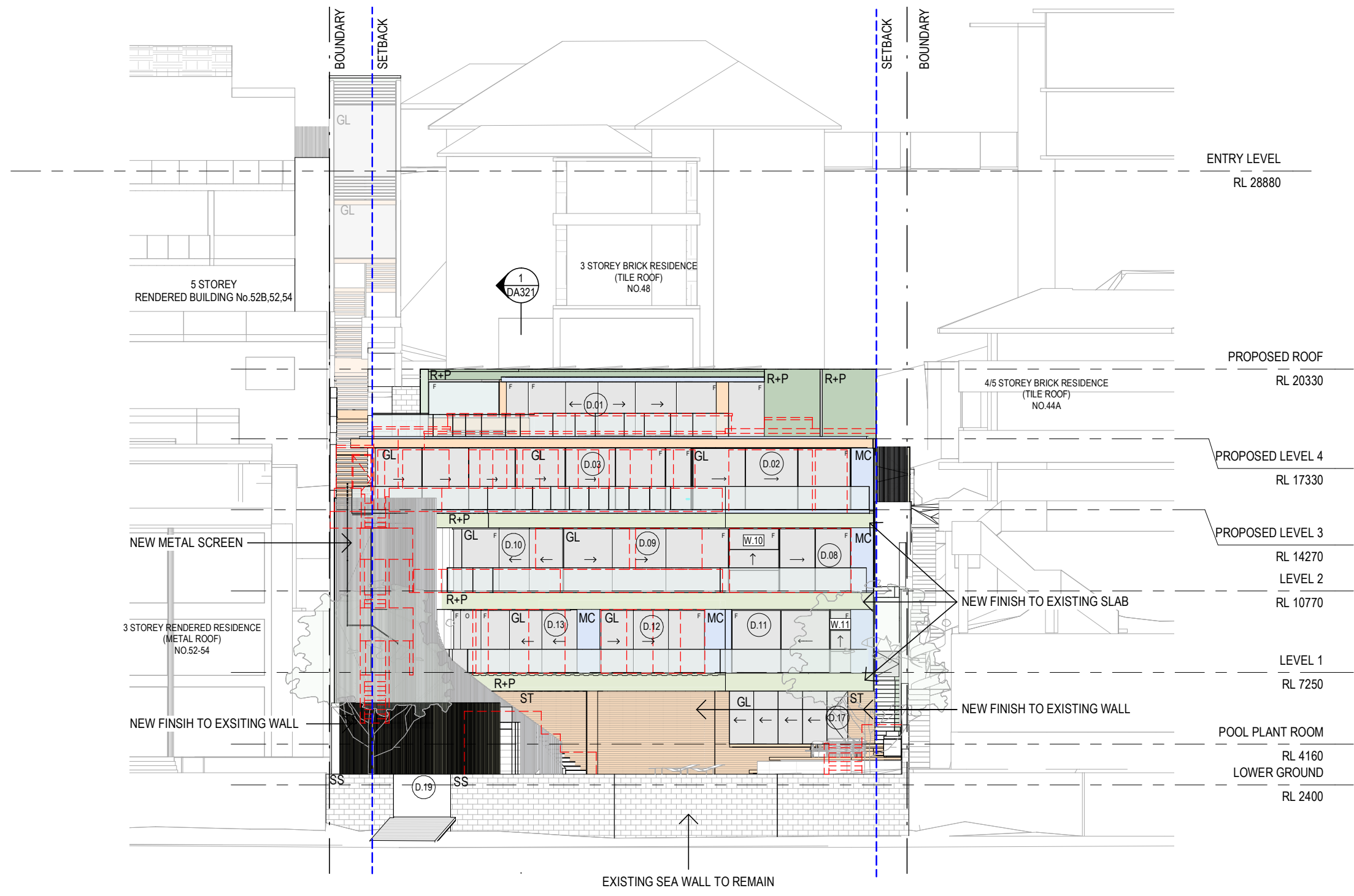
DRAWING

UNIT 3

PROJECT NO. STAGE DWG NO. REV

181 DA205 A

Drawn: JM Scale: 1:100 @A3
Checked: CT/BS Date: 2020/05/29



1 WEST ELEVATION
1:200

KEY

- BOUNDARY
- SETBACKS
- DEMOLITION OF EXISTING

MATERIALS

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DEVELOPMENT APPLICATION
WEST ELEVATION

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PROJECT

50 WOLSELEY ROAD POINT PIPER

DRAWING

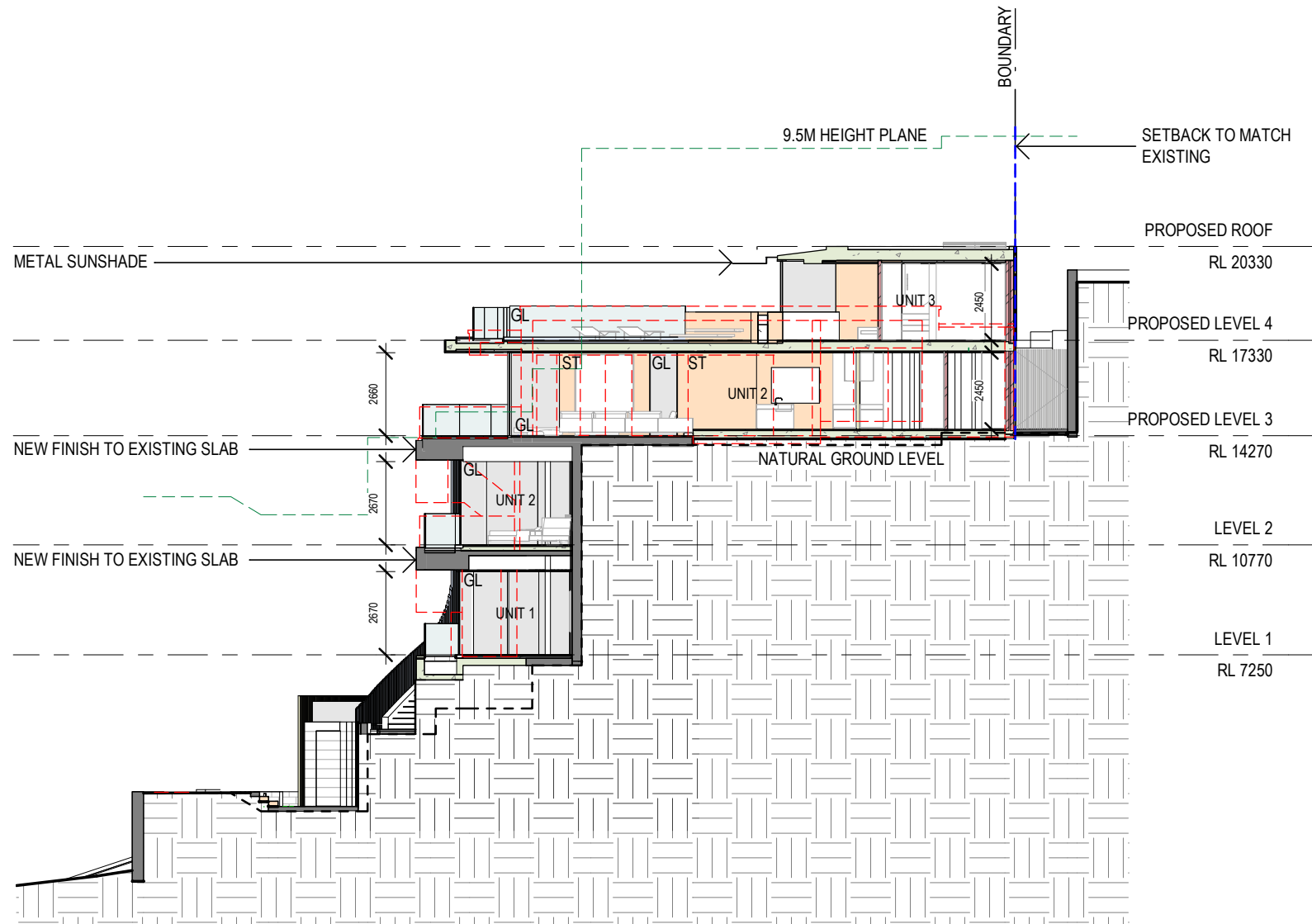
WEST ELEVATION

PROJECT NO. STAGE DWG NO. REV

181 DA304 A

Drawn: JM Scale: 1:200 @A3

Checked: CT/BS Date: 2020/05/29



1 SECTION AA
1 : 200

KEY

---	BUILDING ENVELOPE
---	DEMOLITION OF EXISTING
---	LEP HEIGHT PLANE
---	NATURAL GROUND LEVEL
---	BOUNDARY

MATERIALS

■	EXISTING
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DEVELOPMENT APPLICATION SECTION - AA

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PROJECT

50 WOLSELEY ROAD POINT PIPER

DRAWING

SECTION - AA

PROJECT NO. STAGE DWG NO. REV

181 DA321 A

Drawn: JM Scale: 1:200 @A3
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Annexure B

Site Photographs





