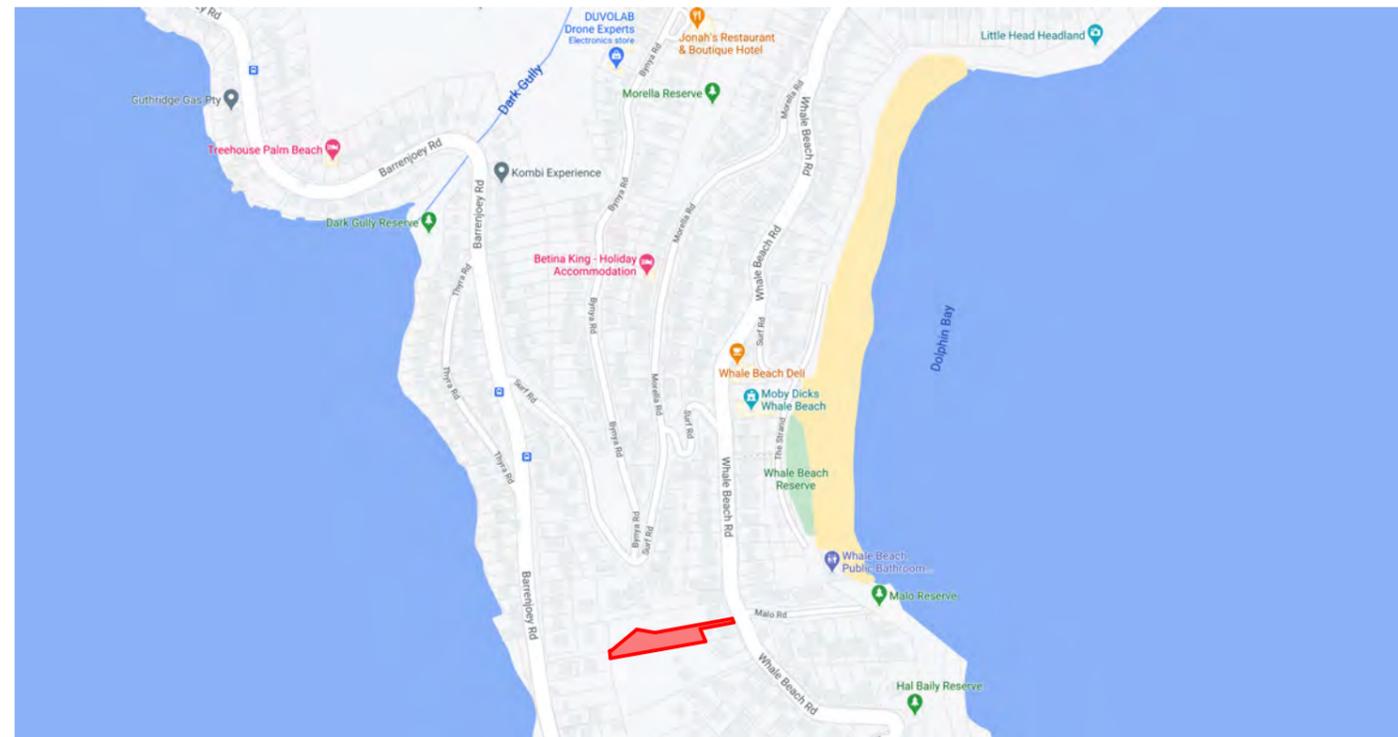


## LIST OF ABBREVIATION

|      |   |
|------|---|
| AFFL | ABOVE FINISHED FLOOR LEVEL                  |
| AG   | AGRICULTURAL PIPE - SLOTTED PVC PIPE        |
| AS   | ADJUSTABLE SHELVES                          |
| AW   | AWNING WINDOW                               |
| BS   | BATH SPOUT                                  |
| BSN  | BASIN                                       |
| CFC  | COMPRESSED FIBRE CEMENT WALL CLADDING       |
| CL   | CENTRE LINE                                 |
| CB   | CONCRETE BLOCKWORK                          |
| CBF  | CONCRETE BROOM FINISH                       |
| CST  | CONCRETE STEEL TROWEL FINISH                |
| CJ   | CONTROL JOINT                               |
| COL  | COLUMN                                      |
| COS  | CHECK ON SITE                               |
| CPT  | CARPET                                      |
| CR   | CEMENT RENDER                               |
| CRW  | CEMENT RENDER WATERPROOF                    |
| CT   | CERAMIC TILING                              |
| D    | DOUBLE GLAZED                               |
| DCW  | DINCEL CONCRETE WALL SYSTEM                 |
| DP   | DOWNPIPE                                    |
| DPC  | DAMP PROOF COURSE                           |
| DPM  | DAMP PROOF MEMBRANE                         |
| DR   | DRYER                                       |
| EDB  | ELECTRICAL DISTRIBUTION BOARD               |
| EGL  | EXISTING GROUND LEVEL                       |
| EJ   | EXPRESSED JOINT                             |
| EL   | EXHAUST LOUVRE                              |
| EX   | EXISTING                                    |
| FC   | FIBROUS CEMENT                              |
| FCP  | FIBROUS CEMENT PANEL                        |
| FFL  | FINISHED FLOOR LEVEL                        |
| FGL  | FINISHED GROUND LEVEL                       |
| FG   | FIXED GLAZING                               |
| FSS  | FRAMELESS SHOWER SCREEN                     |
| FT   | FLOOR TILE                                  |
| FW   | FLOOR WASTE                                 |
| GB   | GLASS BALUSTRADE                            |
| GD   | GARAGE DOOR                                 |
| GL   | GLAZING                                     |
| GM   | GALVANISED MESH GRATE                       |
| GP   | GRATED PIT                                  |
| GPO  | GENERAL PURPOSE OUTLET                      |
| GU   | GUTTER                                      |
| HC   | HOSE COCK                                   |
| HR   | HAND RAIL                                   |
| HTF  | HEATED FLOOR                                |
| HTR  | HEATED TOWEL RAIL                           |
| HYD  | HYDRANT                                     |
| LD   | LINEAR DRAIN                                |
| LS   | LOUVRE SCREEN                               |
| LVR  | LOUVRED ROOF                                |
| LV   | LOUVRE WINDOW                               |
| M    | MIRROR                                      |
| MB   | METAL BALUSTRADE                            |
| MC   | METAL CAPPING                               |
| MD   | MIXER DIVERTER                              |
| MX   | MIXER 850 AFFL                              |
| MR   | METAL ROOFING                               |
| MS   | METAL SCREEN                                |
| MT1  | MOZAIC TILE TYPE 1                          |
| MW   | MASONRY WALL                                |
| MW   | METAL WALL CLADDING                         |
| OF   | OVERFLOW SPITTER                            |
| OFC  | OFF FORM CONCRETE                           |
| OP   | OPAQUE / OBSCURE GLAZING                    |
| PB   | PLASTERBOARD                                |
| PBM  | PLASTERBOARD MOISTURE RESISTANT             |
| PFC  | PARALLEL FLANGE CHANNEL                     |
| PD   | PLANTER DRAIN - SLOTTED UPVC / ACCESS RISER |
| PL   | PLANTER                                     |
| P    | PAINTED                                     |
| PV   | PAVING CONCRETE                             |
| R    | ROBE  |
| RH   | RANGEHOOD                                   |
| RHS  | RECTANGULAR HOLLOW SECTION                  |
| RWH  | RAINWATER HEAD                              |
| RWO  | RAINWATER OUTLET - UPVC SEWER GRADE         |
| RWS  | RAINWATER SPREADER                          |
| ST   | STONE                                       |
| SDH  | SMOKE DETECTOR                              |
| SFL  | SASHLESS DOUBLE HUNG WINDOW                 |
| SHR  | STRUCTURAL FLOOR LEVEL                      |
| SJ   | SHOWER HEAD 2000 AFFL UNO                   |
| SK   | SILICONE JOINT                              |
| SKL  | SKIRTING                                    |
| SKL  | SKYLIGHT                                    |
| SHS  | SQUARE HOLLOW STEEL SECTION                 |
| SLD  | SLIDING DOOR / WINDOW                       |
| SRP  | SETOUT REFERENCE POINT                      |
| SS   | STEEL STAINLESS                             |
| S    | STEEL                                       |
| SF   | STEEL FRAME                                 |
| SSW  | SASHLESS SLIDING WINDOW                     |
| STD  | STRIP DRAIN                                 |
| STP  | STORMWATER PIPE                             |
| SW   | SANDSTONE WALL                              |
| SWP  | STORMWATER PIT                              |
| TB   | TIMBER FLOOR BOARDS                         |
| TBL  | TIMBER LINING BOARDS                        |
| TDB  | TIMBER DECKING BOARDS                       |
| TW   | TIMBER WALL CLADDING                        |
| TPH  | TOILET PAPER HOLDER 500 AFFL                |
| TR   | TOWEL RAIL 850 AFFL UNO                     |
| TV   | TIMBER VENEER                               |
| TW   | TIMBER WALL CLADDING                        |
| UB   | UNIVERSAL STEEL BEAM                        |
| UC   | UNIVERSAL STEEL COLUMN                      |
| UNO  | UNLESS NOTED OTHERWISE                      |
| US   | UNDERSIDE                                   |
| VB   | VILLABOARD                                  |
| VP   | VENT PIPE                                   |
| WA   | WINDOW AWNING                               |
| WB   | WEATHERBOARDS                               |
| WC   | WATER CLOSET                                |
| WM   | WASHING MACHINE                             |
| WPC  | WALL PANEL CLADDING                         |
| WPM  | WATER PROOF MEMBRANE                        |
| WT   | WALL TILE                                   |
| WOW  | WALL OVEN                                   |

## LOCATION PLAN



## BASIX COMMITMENTS

| 168 Whale Beach Road Whale Beach  |  |                                  |               |
|---|--|----------------------------------|---------------|
| SUMMARY OF BASIX COMMITMENTS  |  |                                  |               |
| This is a summary of the BASIX Commitments as detailed in the BASIX Certificate. Refer to the CURRENT BASIX Certificate for Complete details. For definitions refer to basix.nsw.gov.au |  |                                  |               |
| WATER COMMITMENTS   |  |                                  |               |
| Fixtures  |  |                                  |               |
| 3 Star Shower Heads   | Yes  |                                  |               |
| 5 Star Kitchen / Basin Taps   | Yes  | 4 Star Toilet                    | Yes           |
| Alternative Water   |  |                                  |               |
| Minimum Tank Size (L)   | 5000   | Collected from Roof Area (m2)    | 160           |
| Tank Connected To:  |  |                                  |               |
| All Toilets   | Yes  | Laundry WM Cold Tap              | Yes           |
| One Outdoor Tap   | Yes  |                                  |               |
| THERMAL COMFORT COMMITMENTS - Refer to TPA Specification on plans   |  |                                  |               |
| ENERGY COMMITMENTS  |  |                                  |               |
| Hot Water   | Gas Instantaneous  | 6 Star                           |               |
| Cooling System  | Living   | Ceiling fans + 3 Phase A/C Zoned | EER 3.0 - 3.5 |
|   | Bedrooms   | Ceiling fans + 3 Phase A/C Zoned | EER 3.0 - 3.5 |
| Heating System  | Living   | 3 Phase A/C Zoned                | EER 3.0 - 3.5 |
|   | Bedrooms   | 3 Phase A/C Zoned                | EER 3.0 - 3.5 |
| Ventilation   | 1 x Bathroom   | Fan ducted to exterior           | Manual on/off |
|   | Kitchen  | Fan ducted to exterior           | Manual on/off |
|   | Laundry  | Natural ventilation              | N/A           |
| Natural Lighting  | Window/Skylight in Kitchen   | No                               | 4             |
|   | Window/Skylight in Bathrooms/Toilets                               | Yes to                           | 4             |
| Artificial Lighting (rooms to be primarily lit by fluorescent or LED lights)  | Number of bedrooms   | All Dedicated                    | Yes           |
|   | Number of Living/Dining rooms                                      | All Dedicated                    | Yes           |
|   | Kitchen  | Yes Dedicated                    | Yes           |
|   | All Bathrooms/Toilets  | Yes Dedicated                    | Yes           |
| Fluorescent or LED lights   | Laundry  | Yes Dedicated                    | Yes           |
|   | All Hallways   | Yes Dedicated                    | Yes           |
|   |  |                                  |               |
| OTHER COMMITMENTS   |  |                                  |               |
| Outdoor clothes line  | Yes  | Ventilated refrigerator space    | Yes           |
| Stove/Oven  | Induction cooktop & electric oven                                  |                                  |               |
| Alternative Energy  | Photovoltaic System: 2.8kW   |                                  |               |
| Pool  | Max Vol: 72 kL, gas heating (or none), pump with timer, pool cover |                                  |               |

| March 2021   |   | BSA Reference: 16803              |
|--|---|-----------------------------------|
| Building Sustainability Assessments  |   | Ph: (02) 4962 3439                |
| enquiries@buildingsustainability.net.au  |   | www.buildingsustainability.net.au |
| Important Note   |   |                                   |
| The following specification was used to achieve the thermal performance values indicated on the Assessor Certificate and takes precedence over any other specification. If different construction elements are applied then the Assessor Certificate is no longer valid. |   |                                   |
| Thermal Performance Specifications (does not apply to garage)  |   |                                   |
| External Wall Construction   | Added Insulation                          |                                   |
| Cavity Masonry   | R2.0                                      |                                   |
| Internal Wall Construction   | Added Insulation                          |                                   |
| Plasterboard on studs  | None                                      |                                   |
| Masonry  | R2.0 to walls adjacent to garage          |                                   |
| Ceiling Construction   | Added Insulation                          |                                   |
| Plasterboard   | R3.0 to ceilings adjacent to roof space   |                                   |
| Roof Construction  | Colour                                    | Added Insulation                  |
| Concrete   | Any                                       | None                              |
| Floor Construction   | Covering                                  | Added Insulation                  |
| Concrete   | As drawn                                  | R1.0 to floors where open below   |
| Concrete   | As drawn                                  | R1.0 to floors adjacent to garage |
| Windows  | Glass and frame type                      | U Value SHGC Range Area sq m      |
| Performance glazing Type A   | 4.50 0.42 - 0.52                          | To louvres                        |
| ALS-070-04   | 2.54 0.38                                 | To hinged doors                   |
| Performance glazing Type A   | 3.10 0.35 - 0.43                          | All other UNO                     |
| Performance glazing Type B   | 3.10 0.44 - 0.54                          | All other UNO                     |
| Type A windows are awning windows, billboards, casements, lift 'n' turn windows, entry doors, french doors   |   |                                   |
| Type B windows are double hung windows, sliding windows & doors, fixed windows, stacker doors, louvres   |   |                                   |
| Skylights  | Glass and frame type                      | U Value SHGC Area sq m            |
| Double glazed in aluminium frames  | As drawn                                  |                                   |
| U and SHGC values are according to AFRC. Alternate products may be used if the U value is lower and the SHGC is within the range specified   |   |                                   |
| External Window Shading  | (eaves, verandahs, pergolas, awnings etc) |                                   |
| All shade elements modelled as drawn   |   |                                   |
| Ceiling Penetrations   | (downlights, exhaust fans, flues etc)     |                                   |
| No adjustment has been made for losses to insulation arising from ceiling penetrations.  |   |                                   |
| Ceiling Fans used in the Modelling and to be installed in the following areas  |   |                                   |
| Living areas = None, Bedrooms = None   |   |                                   |

## DA DRAWING LIST

|      |                                 |
|------|---------------------------------|
| DA01 | COVER SHEET                     |
| DA02 | SURVEY                          |
| DA03 | SITE ANALYSIS                   |
| DA04 | SITE & ROOF PLAN                |
| DA05 | DRIVEWAY PLAN                   |
| DA06 | LEVEL 1 - GARAGE PLAN           |
| DA07 | LEVEL 2 - KIDS BEDROOMS         |
| DA08 | LEVEL 3 - MAIN & GUEST BEDROOMS |
| DA09 | LEVEL 4 - MAIN LIVING AREA      |
| DA10 | ROOF PLAN                       |
| DA11 | SECTION AA                      |
| DA12 | SECTION BB                      |
| DA13 | SECTION CC                      |
| DA14 | SECTION DD                      |
| DA15 | SECTION EE                      |
| DA16 | SECTION FF                      |
| DA17 | SECTION GG                      |
| DA18 | SECTION HH                      |
| DA19 | SECTION II                      |
| DA20 | ELEVATION - NORTH               |
| DA21 | ELEVATION - EAST                |
| DA22 | ELEVATION - SOUTH               |
| DA23 | ELEVATION - WEST                |
| DA24 | AREA CALCULATIONS               |
| DA25 | SHADOW DIAGRAM @ 9AM            |
| DA26 | SHADOW DIAGRAM @ 12PM           |
| DA27 | SHADOW DIAGRAM @ 3PM            |
| DA28 | EXCAVATION & FILL DIAGRAM       |
| DA29 | IMAGE 1                         |
| DA30 | IMAGE 2                         |
| DA31 | IMAGE 3                         |
| DA32 | IMAGE 4                         |
| DA33 | IMAGE 5                         |
| DA34 | IMAGE 6                         |
| DA35 | IMAGE 7                         |
| DA36 | IMAGE 8                         |

# DEVELOPMENT APPLICATION ISSUE - G March 2021

FOR

## NEW RESIDENCE

AT

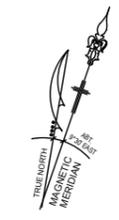
# 168 WHALE BEACH ROAD WHALE BEACH NSW 2107

FOR

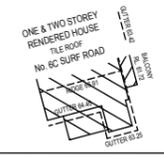
## MARCUS & LIDIA AYRES



REGISTERED ARCHITECT: MARK KORGUL REGISTRATION NUMBER: 6221  
PHONE: 9977 1076 FAX: 02 9976 0625 EMAIL: INFO@WATERSHEDDESIGN.COM.AU  
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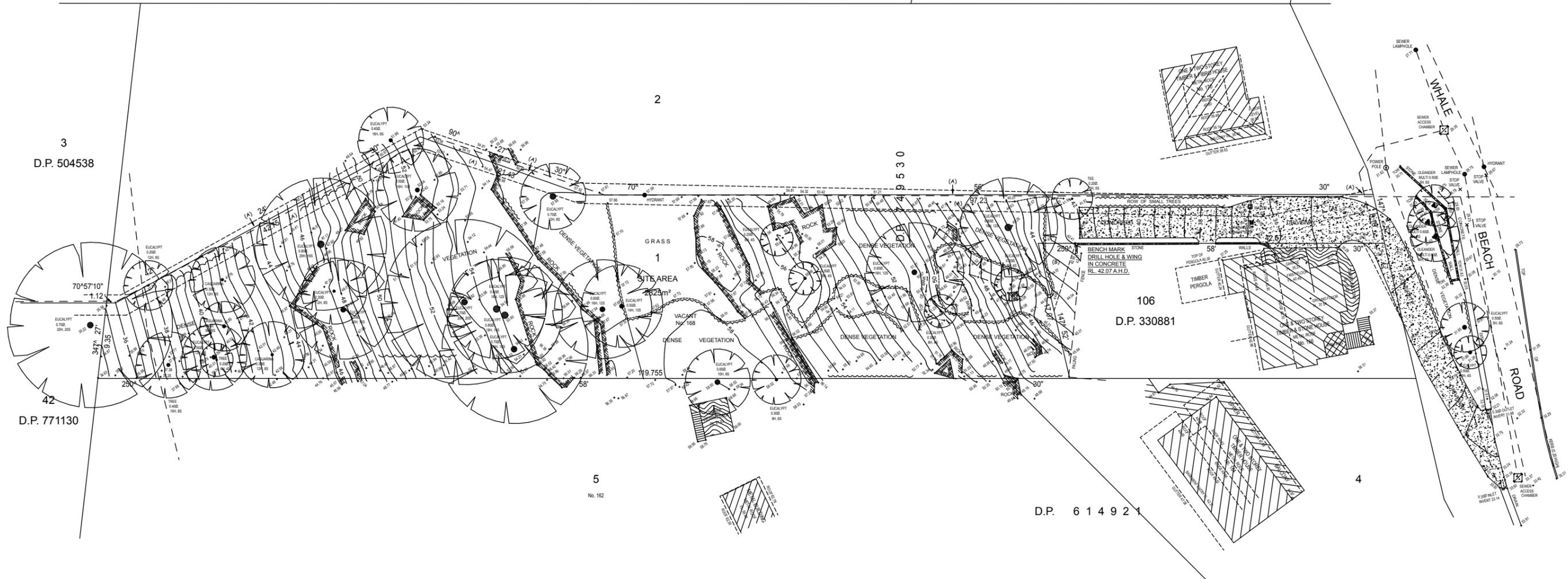


2  
D.P. 1155764



3  
D.P. 335515

3  
D.P. 504538



42  
D.P. 771130

D.P. 614921

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| G        | Issue to Development    | 19/3/21    |

**WATERSHED DESIGN** architecture interiors landscapes

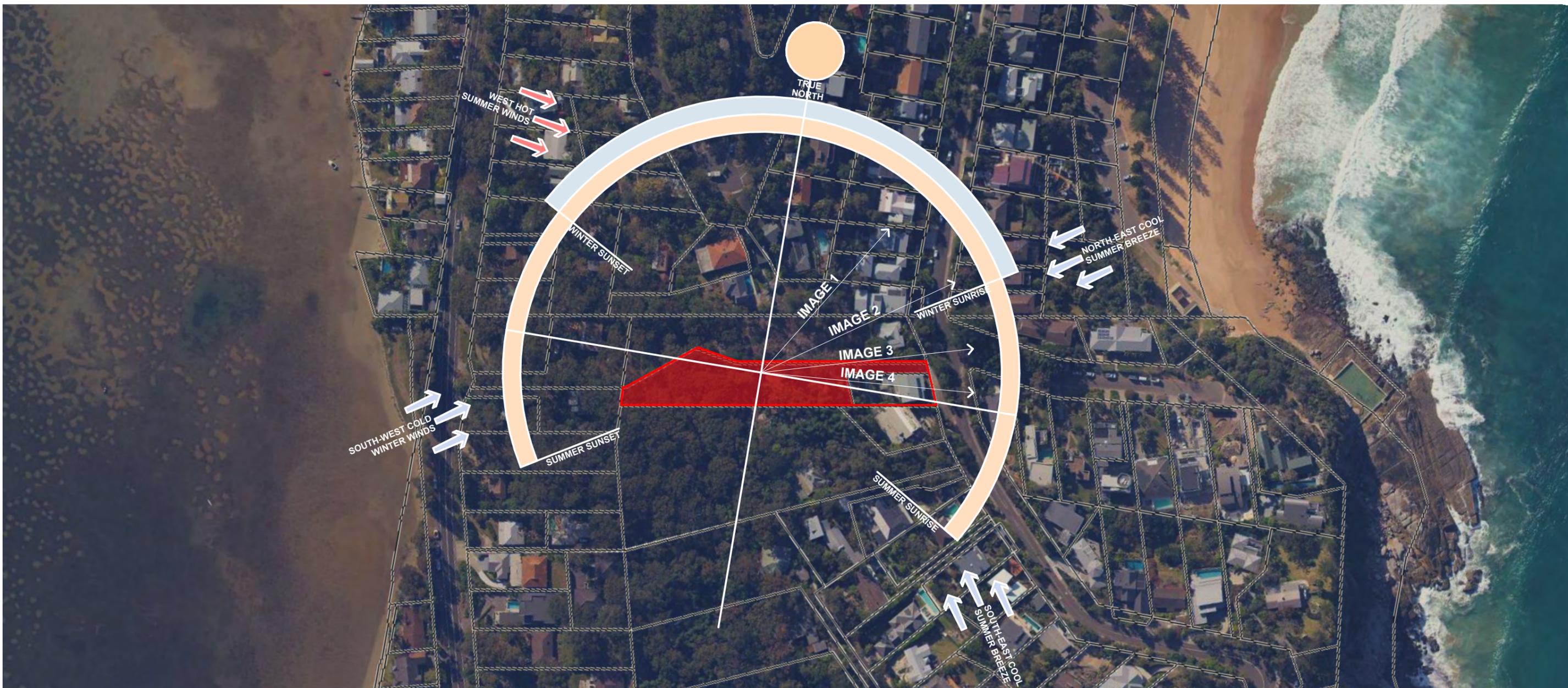
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CLIENT: MARCUS & LIDIA AYRES  
 PROJECT: AYRES HOUSE

ADDRESS: 168 WHALE BEACH ROAD WHALE BEACH NSW 2107  
 DRAWING: SURVEY

JOB NO: 200731  
 DRAWN: MC  
 CHECKED: MK  
 SCALE: 1:500

DRAWING NO: DA02  
 ISSUE: G



1



2



3



4

**LEGEND**

- 1 VIEWS OF LITTLE HEAD
- 2 VIEW OF DOLPHIN BAY
- 3 OVERLOOKING NO. 166 WHALE BEACH ROAD
- 4 OVERLOOKING NO. 164 WHALE BEACH ROAD

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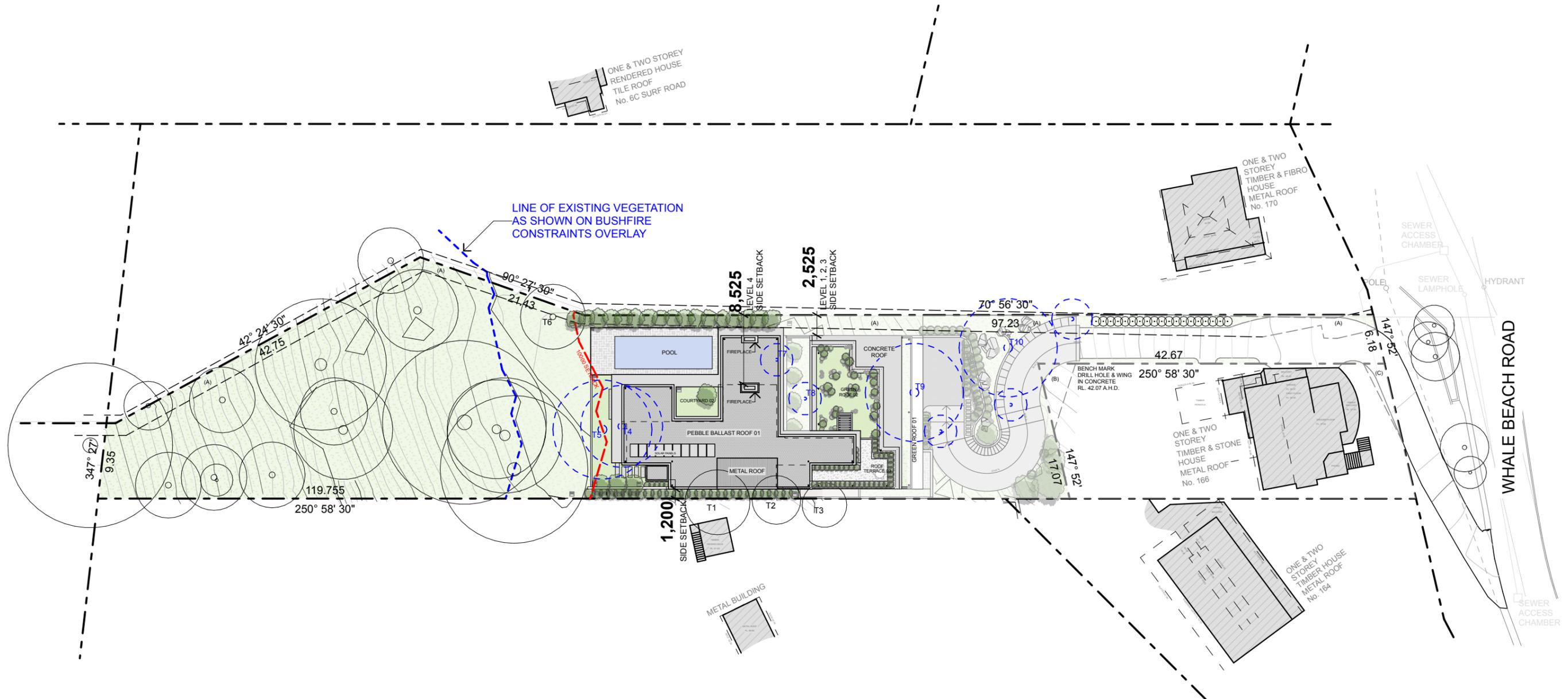
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| CLIENT:  | MARCUS & LIDIA AYRES | ADDRESS: | 168 WHALE BEACH ROAD WHALE BEACH NSW 2107 | JOB NO:  | 200731 | DRAWING NO: | DA03 |
| PROJECT: | AYRES HOUSE          | DRAWING: | SITE ANALYSIS                             | DRAWN:   | MC     | ISSUE:      | G    |
|          |                      |          |   | CHECKED: | MK     |             |      |
|          |                      |          |   | SCALE:   | 1:2000 |             |      |

# LANDSCAPE AREA

01 EXISTING SITE AREA 2,825.00  
 02 PROPOSED LANDSCAPE 1,762.93

**LEGEND**  
 \*REFER TO ARBORIST REPORT FOR FULL DETAILS



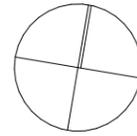
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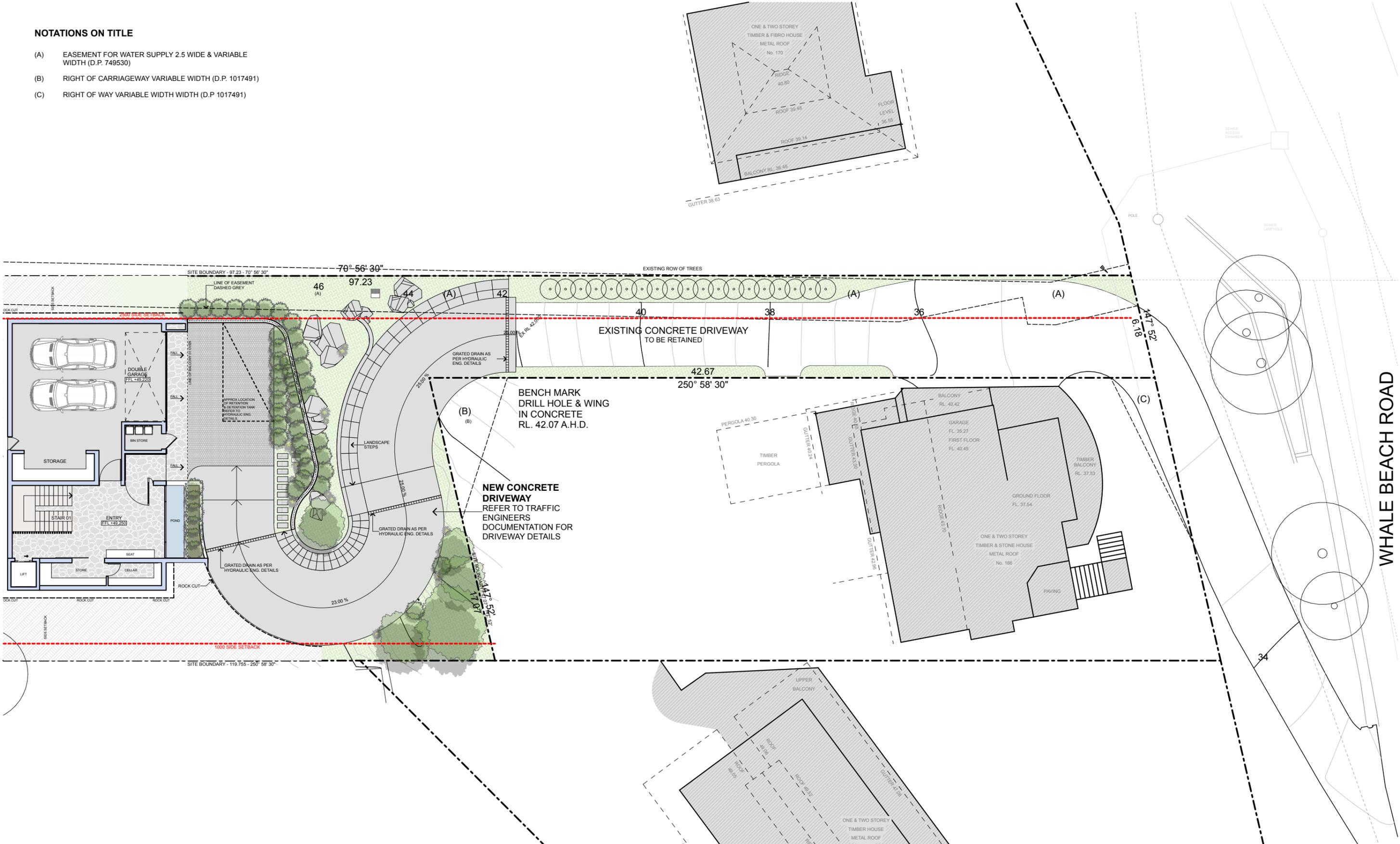
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| CLIENT:  | MARCUS & LIDIA AYRES | ADDRESS: | 168 WHALE BEACH ROAD WHALE BEACH NSW 2107 | JOB NO:  | 200731     | DRAWING NO: | DA04 |
| PROJECT: | AYRES HOUSE          | DRAWING: | <b>SITE &amp; ROOF PLAN</b>               | DRAWN:   | MC         | ISSUE:      | G    |
|          |                      |          |   | CHECKED: | MK         |             |      |
|          |                      |          |   | SCALE:   | 1:500, 1:1 |             |      |

**NOTATIONS ON TITLE**

- (A) EASEMENT FOR WATER SUPPLY 2.5 WIDE & VARIABLE WIDTH (D.P. 749530)
- (B) RIGHT OF CARRIAGEWAY VARIABLE WIDTH (D.P. 1017491)
- (C) RIGHT OF WAY VARIABLE WIDTH WIDTH (D.P. 1017491)



**NOTES:**

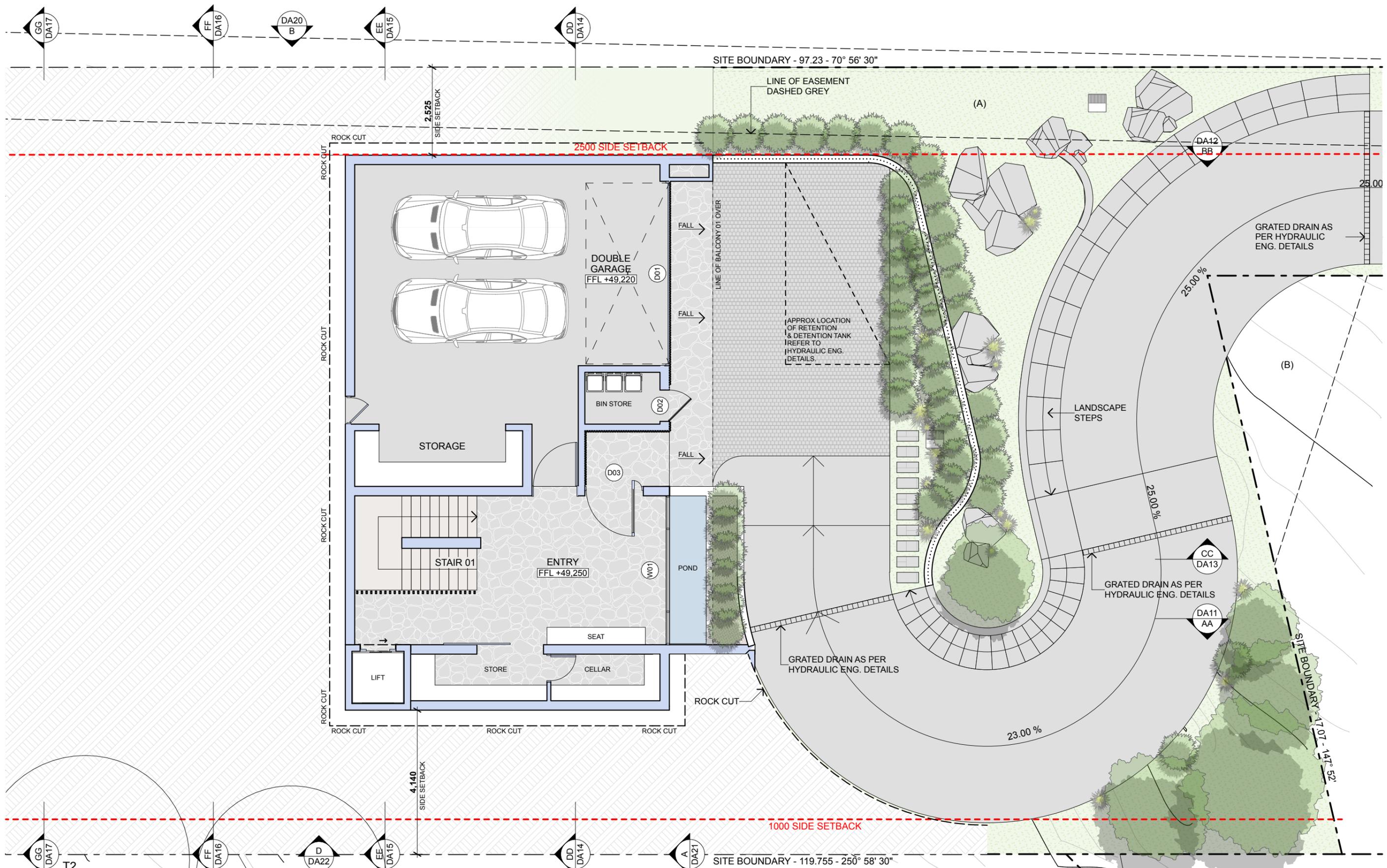
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**WATERSHED DESIGN** architecture interiors landscapes

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| CLIENT:  | MARCUS & LIDIA AYRES | ADDRESS: | 168 WHALE BEACH ROAD WHALE BEACH NSW 2107 | JOB NO:  | 200731 | DRAWING NO: | DA05 |
| PROJECT: | AYRES HOUSE          | DRAWING: | DRIVEWAY PLAN                             | DRAWN:   | MC     | ISSUE:      | G    |
|          |                      |          |   | CHECKED: | MK     |             |      |
|          |                      |          |   | SCALE:   | 1:200  |             |      |



**NOTES:**

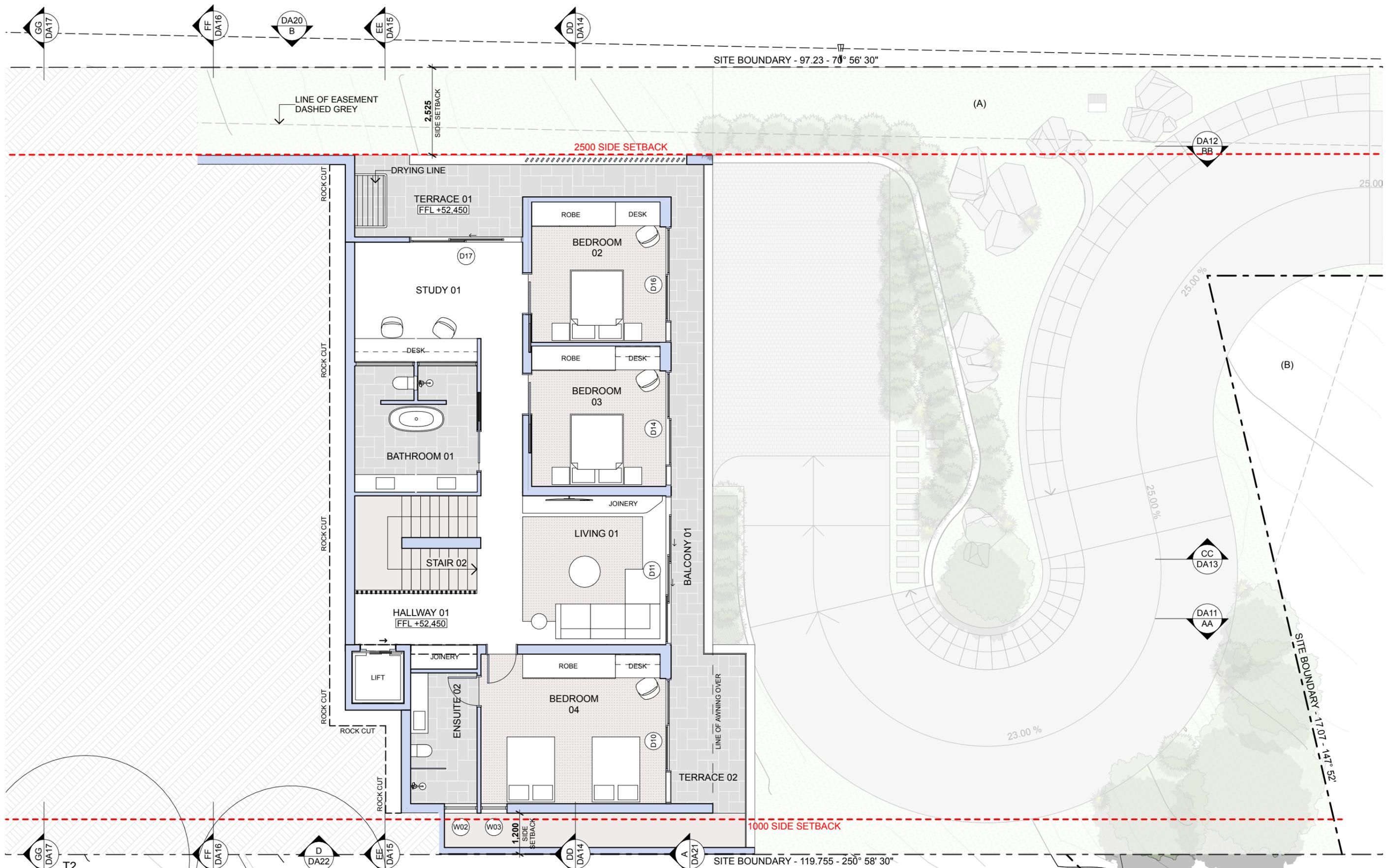
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|----------|-------------------------|------------|
| A        | Issue to Consultants    | 10/11/20   |
| B        | Issue to for Pre DA     | 12/11/20   |
| C        | Issue to Consultants    | 12/2/21    |
| D        | Issue For BASIX         | 23/2/21    |
| E        | Issue to Eng.           | 2/3/21     |
| F        | Issue to Hydraulic Eng. | 12/3/21    |
| G        | Issue to Development    | 19/3/21    |

**W W WATERSHED DESIGN** architecture interiors landscapes

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 ADDRESS: LEVEL 1, 167 PITTWATER ROAD MANLY NSW 2095 AUSTRALIA

|          |                      |          |   |          |        |             |      |
|----------|----------------------|----------|---|----------|--------|-------------|------|
| CLIENT:  | MARCUS & LIDIA AYRES | ADDRESS: | 168 WHALE BEACH ROAD WHALE BEACH NSW 2107 | JOB NO:  | 200731 | DRAWING NO: | DA06 |
| PROJECT: | AYRES HOUSE          | DRAWING: | LEVEL 1 - GARAGE PLAN                     | DRAWN:   | MC     | ISSUE:      | G    |
|          |                      |          |   | CHECKED: | MK     |             |      |
|          |                      |          |   | SCALE:   | 1:100  |             |      |



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| D        | Issue For BASIX         | 23/2/21    |
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| F        | Issue to Hydraulic Eng. | 12/3/21    |
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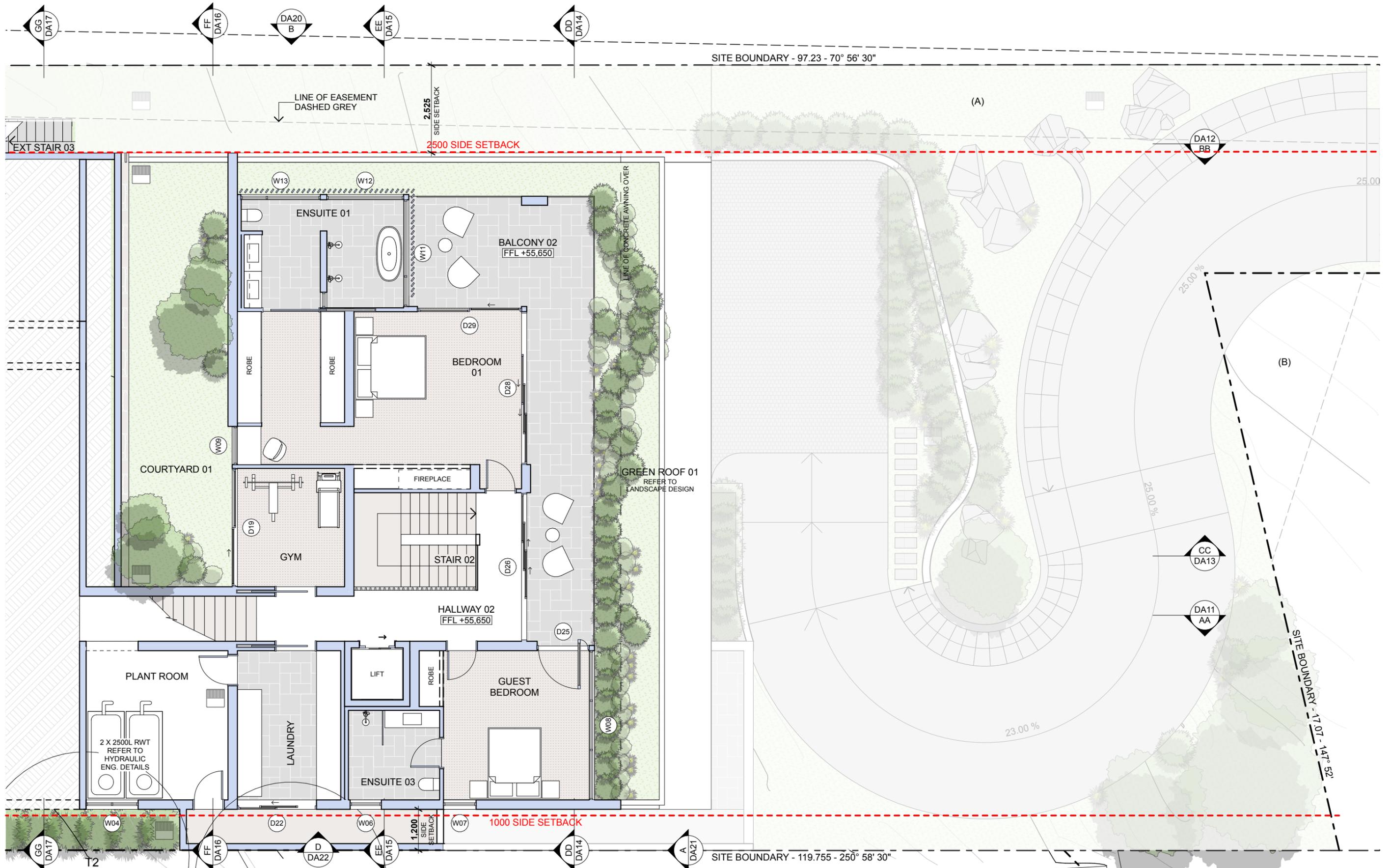


CLIENT: MARCUS & LIDIA AYRES  
 PROJECT: AYRES HOUSE

ADDRESS: 168 WHALE BEACH ROAD WHALE BEACH NSW 2107  
 DRAWING: LEVEL 2 - KIDS BEDROOMS

JOB NO: 200731  
 DRAWN: MC  
 CHECKED: MK  
 SCALE: 1:100

DRAWING NO: DA07  
 ISSUE: G



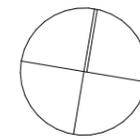
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| C        | Issue to Consultants    | 12/2/21    |
| D        | Issue For BASIX         | 23/2/21    |
| E        | Issue to Eng.           | 2/3/21     |
| F        | Issue to Hydraulic Eng. | 12/3/21    |
| G        | Issue to Development    | 19/3/21    |



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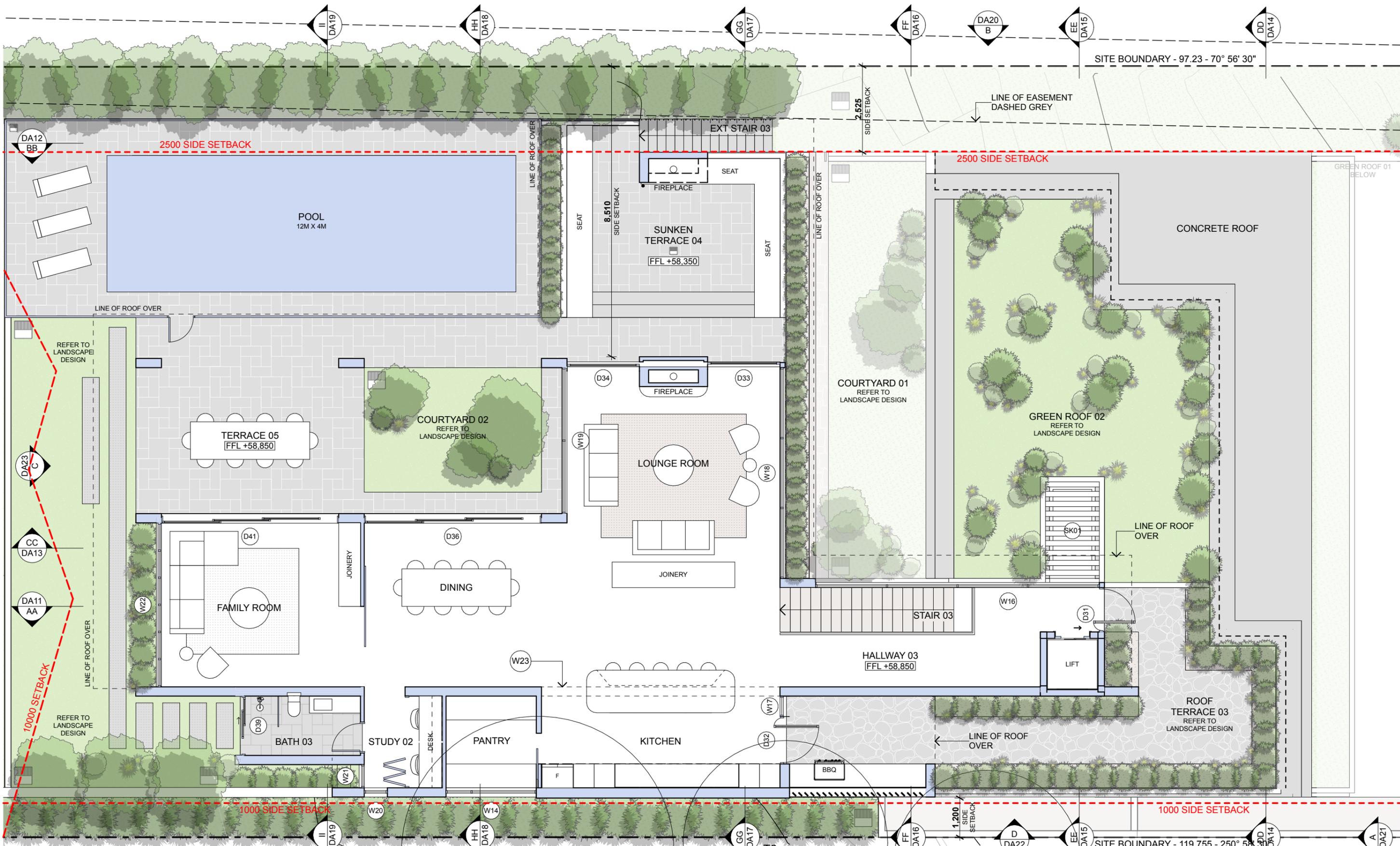


CLIENT: MARCUS & LIDIA AYRES  
 PROJECT: AYRES HOUSE

ADDRESS: 168 WHALE BEACH ROAD WHALE BEACH NSW 2107  
 DRAWING: LEVEL 3 - MAIN & GUEST BEDROOMS

JOB NO: 200731  
 DRAWN: MC  
 CHECKED: MK  
 SCALE: 1:100

DRAWING NO: DA08  
 ISSUE: G



**NOTES:**

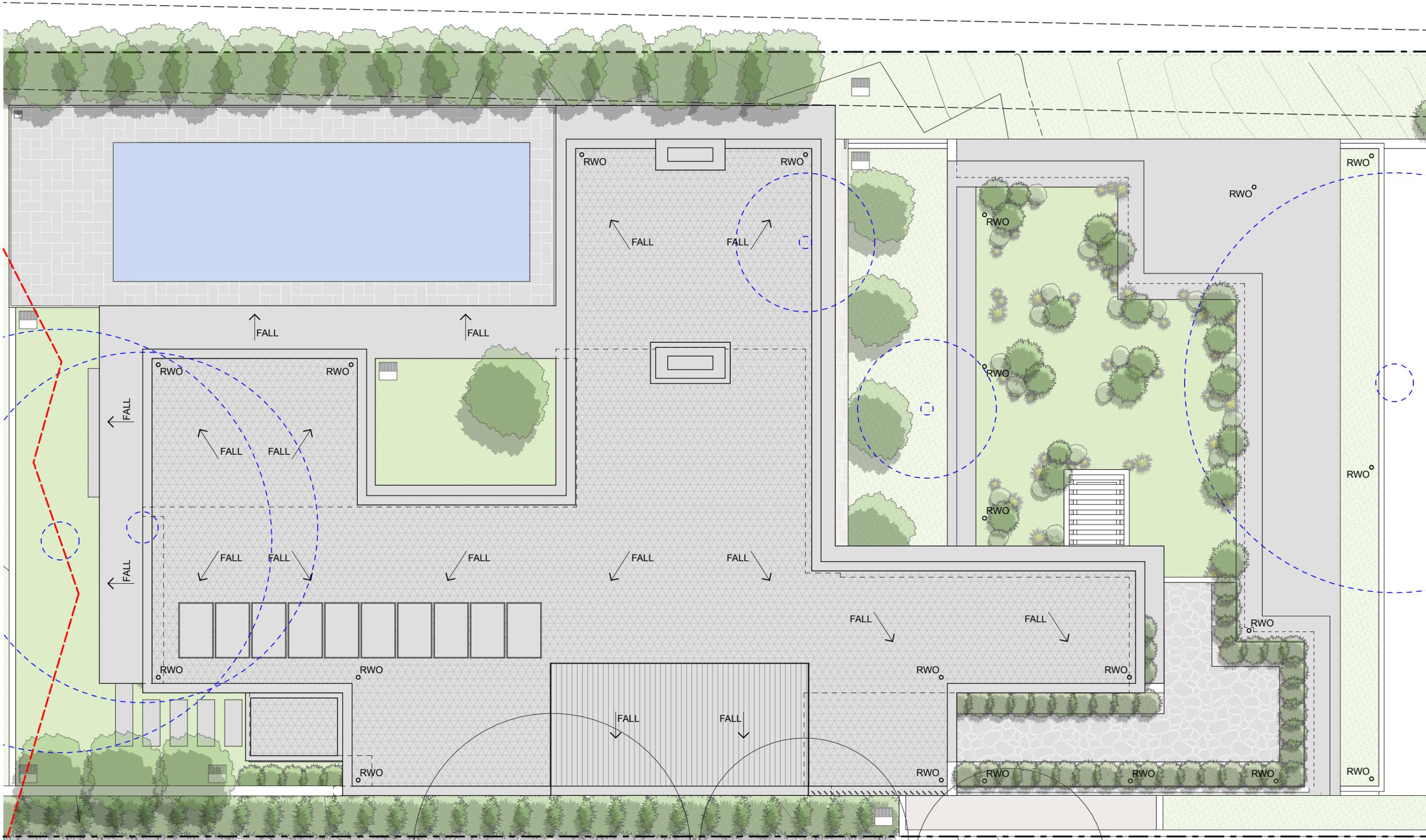
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| C        | Issue to Consultants    | 12/2/21    |
| D        | Issue For BASIX         | 23/2/21    |
| E        | Issue to Eng.           | 2/3/21     |
| F        | Issue to Hydraulic Eng. | 12/3/21    |
| G        | Issue to Development    | 19/3/21    |

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| CLIENT:  | MARCUS & LIDIA AYRES | ADDRESS: | 168 WHALE BEACH ROAD WHALE BEACH NSW 2107 | JOB NO:  | 200731 | DRAWING NO: | DA09  |
| PROJECT: | AYRES HOUSE          | DRAWING: | LEVEL 4 - MAIN LIVING AREA                | DRAWN:   | MC     | ISSUE:      | G     |
|          |                      |          |   | CHECKED: | MK     | SCALE:      | 1:100 |



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|----------|-------------------------|------------|
| E        | Issue to Eng.           | 2/3/21     |
| F        | Issue to Hydraulic Eng. | 12/3/21    |
| G        | Issue to Development    | 19/3/21    |
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## WATERSHED DESIGN

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landscapes



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CLIENT: MARCUS & LIDIA AYRES

PROJECT: AYRES HOUSE

ADDRESS: 168 WHALE BEACH ROAD WHALE BEACH NSW 2107

DRAWING: **ROOF PLAN**

JOB NO: 200731

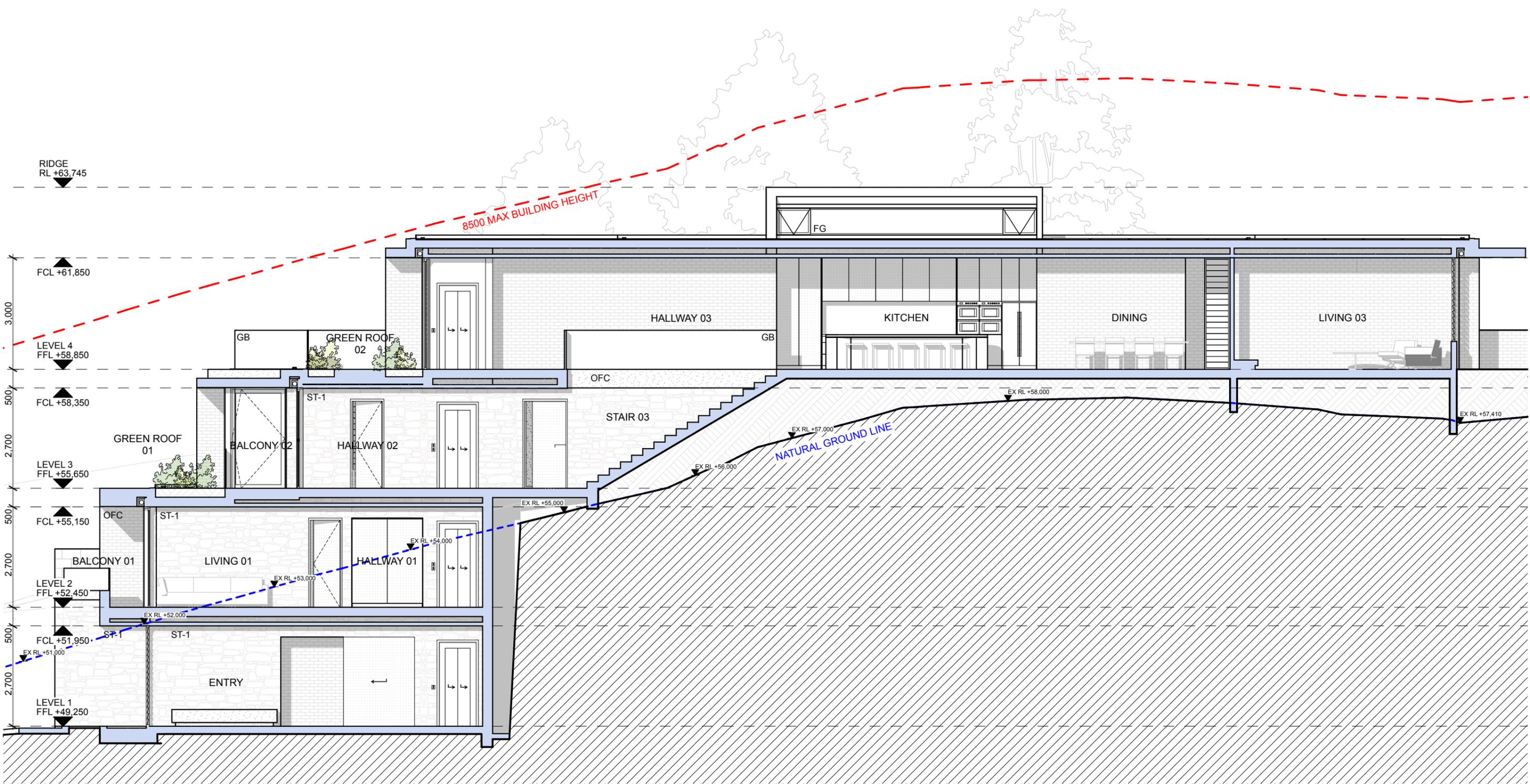
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CHECKED: MK

SCALE: 1:100

DRAWING NO: **DA10**

ISSUE: **G**



**NOTES:**

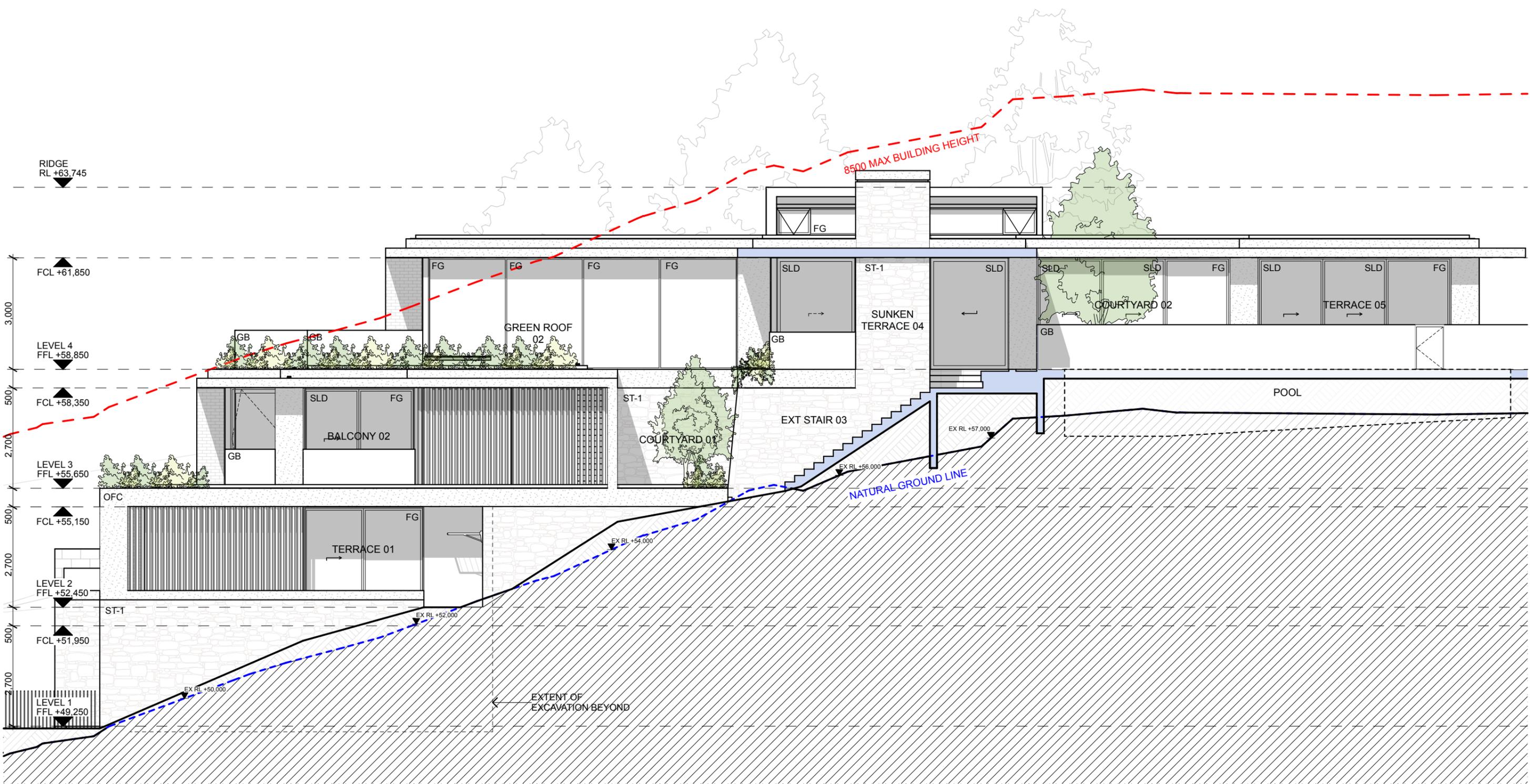
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| PROJECT: | AYRES HOUSE          | DRAWING: | <b>SECTION AA</b>                         | DRAWN:   | MC     | ISSUE:      | G    |
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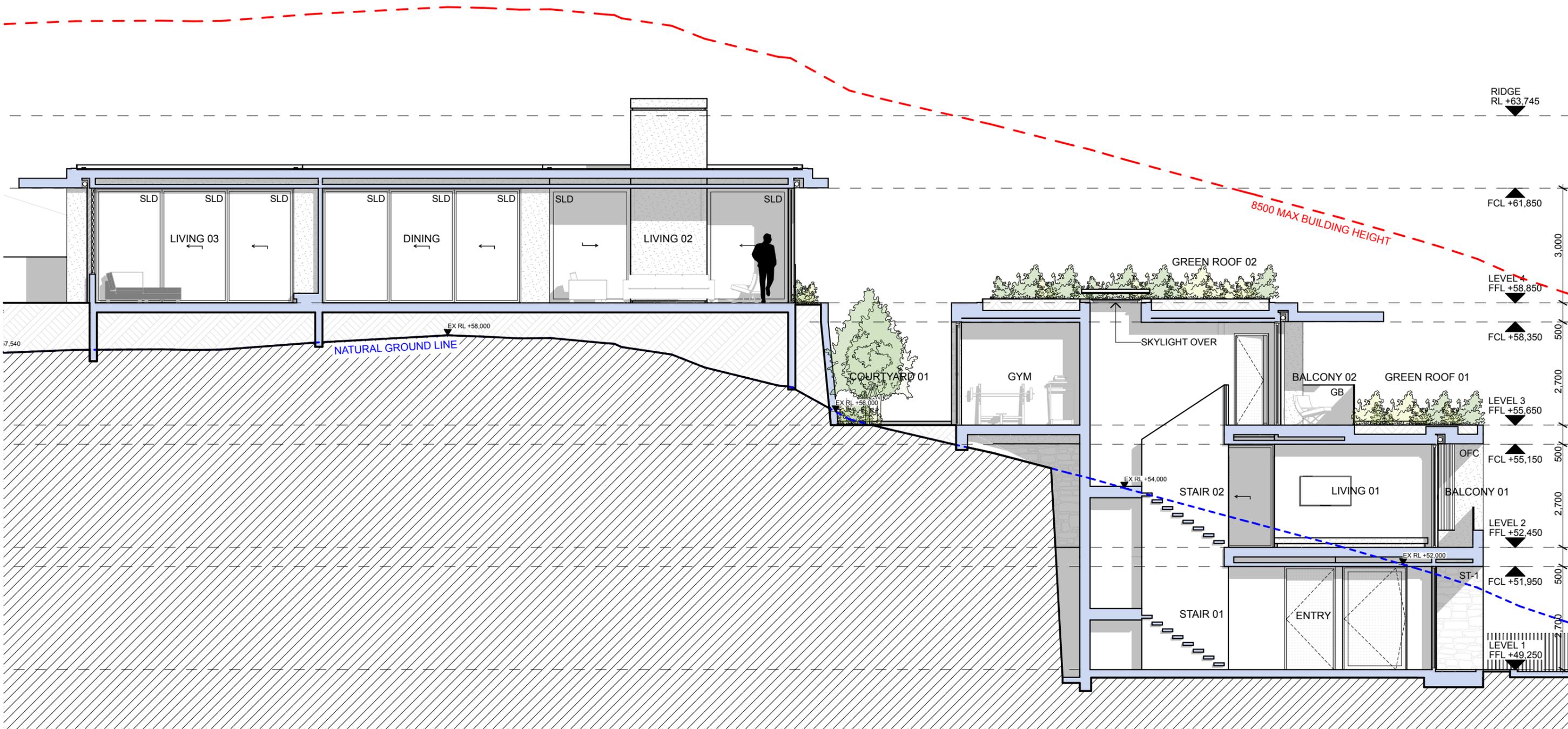
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interiors  
landscapes

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| PROJECT: | AYRES HOUSE          | DRAWING: | <b>SECTION BB</b>                         | DRAWN:   | MC     | ISSUE:      | G    |
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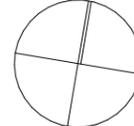
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CLIENT: MARCUS & LIDIA AYRES

PROJECT: AYRES HOUSE

ADDRESS: 168 WHALE BEACH ROAD WHALE BEACH NSW 2107

DRAWING: SECTION CC

JOB NO: 200731

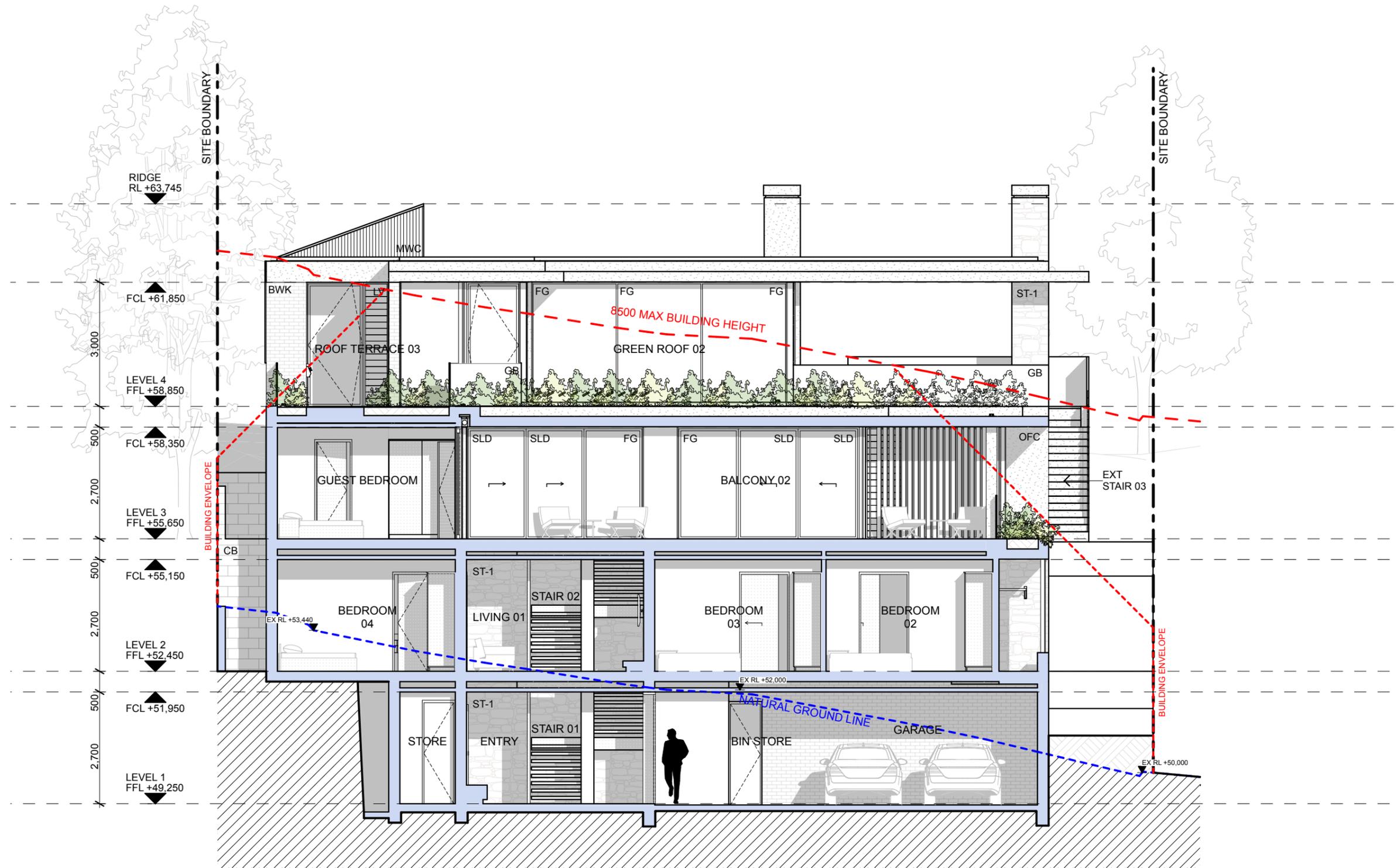
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DRAWING NO: DA13

ISSUE: G



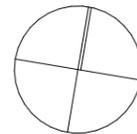
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 interiors  
 landscapes



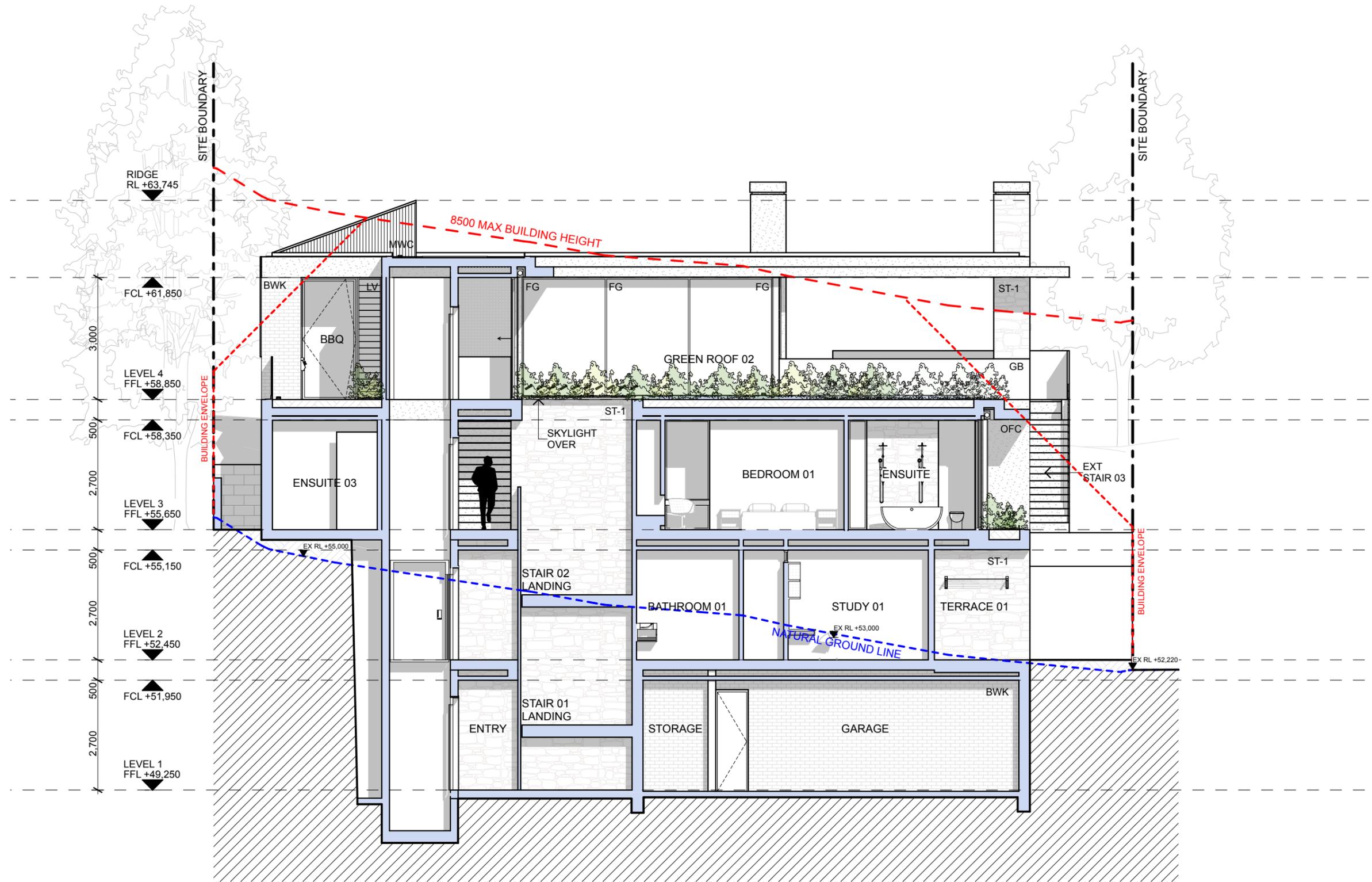
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CLIENT: MARCUS & LIDIA AYRES  
 PROJECT: AYRES HOUSE

ADDRESS: 168 WHALE BEACH ROAD WHALE BEACH NSW 2107  
 DRAWING: SECTION DD

JOB NO: 200731  
 DRAWN: MC  
 CHECKED: MK  
 SCALE: 1:100

DRAWING NO: DA14  
 ISSUE: G



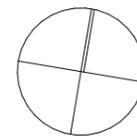
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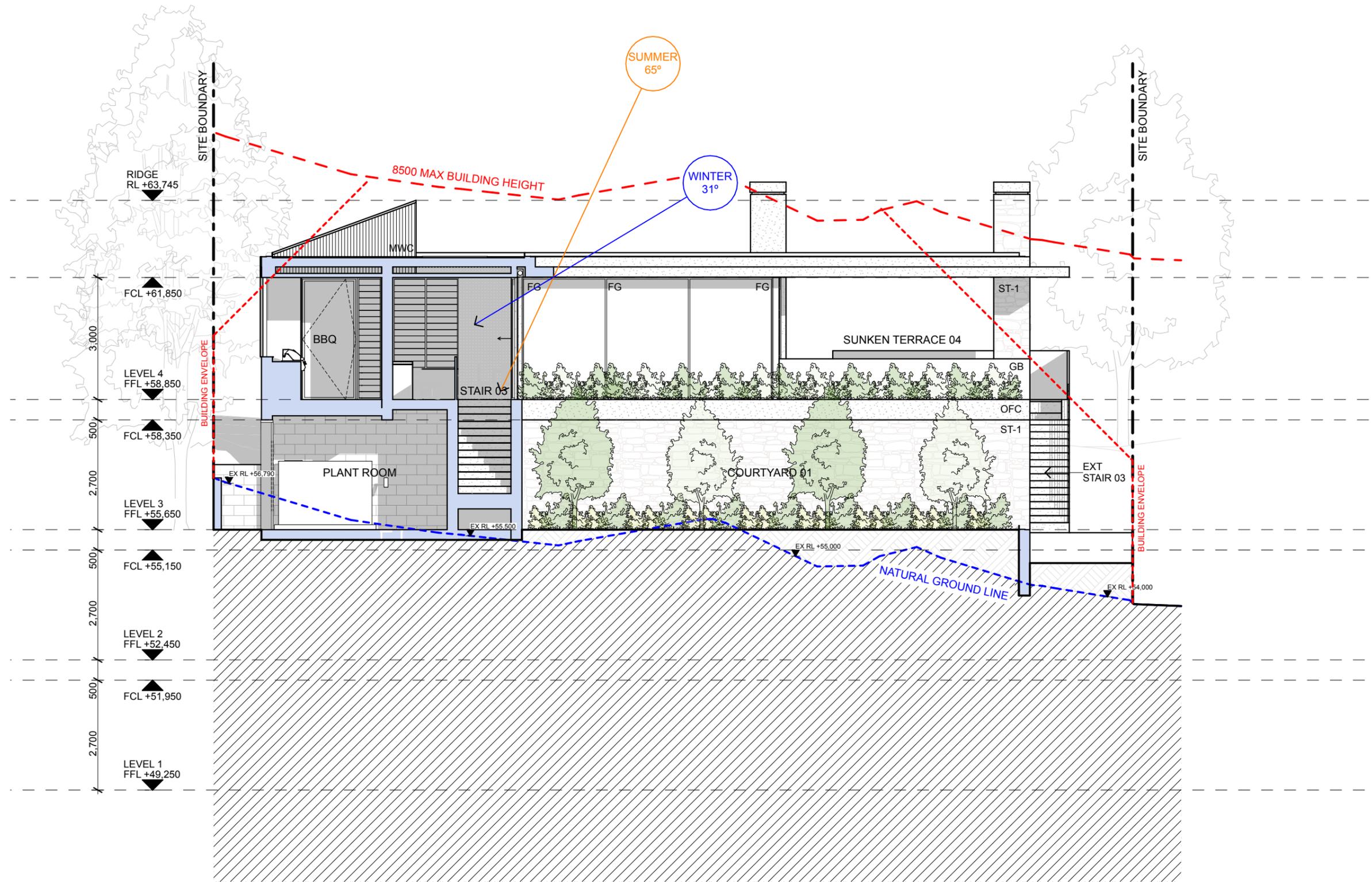


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 PROJECT: AYRES HOUSE

ADDRESS: 168 WHALE BEACH ROAD WHALE BEACH NSW 2107  
 DRAWING: SECTION EE

JOB NO: 200731  
 DRAWN: MC  
 CHECKED: MK  
 SCALE: 1:100

DRAWING NO: DA15  
 ISSUE: G



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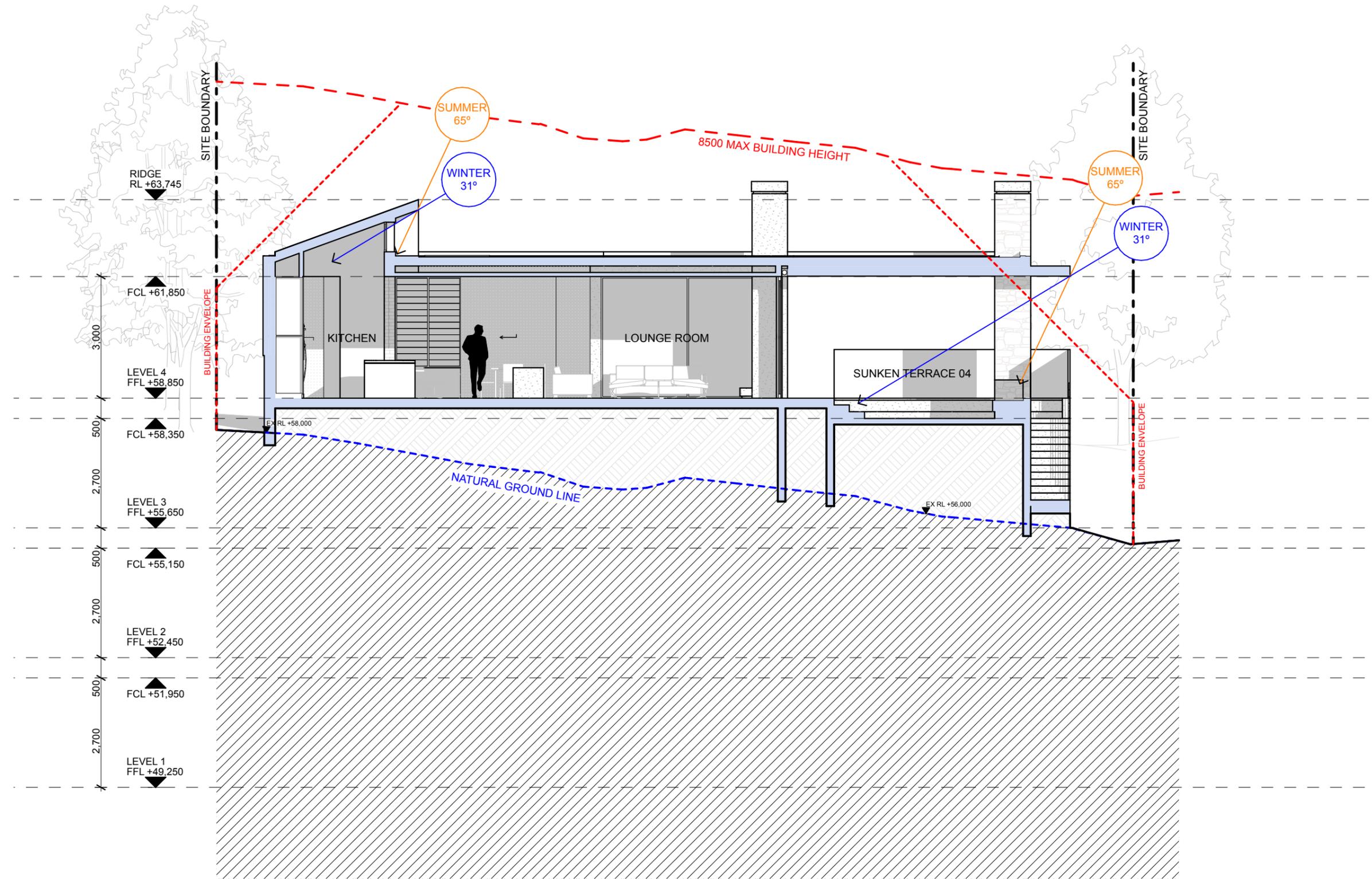
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| Issue ID | Issue Name              | Issue Date |
|----------|-------------------------|------------|
| A        | Issue to Consultants    | 10/11/20   |
| B        | Issue to for Pre DA     | 12/11/20   |
| C        | Issue to Consultants    | 12/2/21    |
| E        | Issue to Eng.           | 2/3/21     |
| F        | Issue to Hydraulic Eng. | 12/3/21    |
| G        | Issue to Development    | 19/3/21    |


**WATERSHED DESIGN** architecture interiors landscapes

REGISTERED ARCHITECT: MARK KORGUL      REGISTRATION NUMBER: 6221  
 PHONE: 9977 1076      FAX: 02 9976 0625      EMAIL: INFO@WATERSHEDDESIGN.COM.AU  
 ADDRESS: LEVEL 1, 167 PITTWATER ROAD MANLY NSW 2095 AUSTRALIA

|          |                      |          |   |          |        |             |      |
|----------|----------------------|----------|---|----------|--------|-------------|------|
| CLIENT:  | MARCUS & LIDIA AYRES | ADDRESS: | 168 WHALE BEACH ROAD WHALE BEACH NSW 2107 | JOB NO:  | 200731 | DRAWING NO: | DA16 |
| PROJECT: | AYRES HOUSE          | DRAWING: | SECTION FF                                | DRAWN:   | MC     | ISSUE:      | G    |
|          |                      |          |   | CHECKED: | MK     |             |      |
|          |                      |          |   | SCALE:   | 1:100  |             |      |



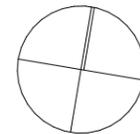
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**WATERSHED DESIGN**  
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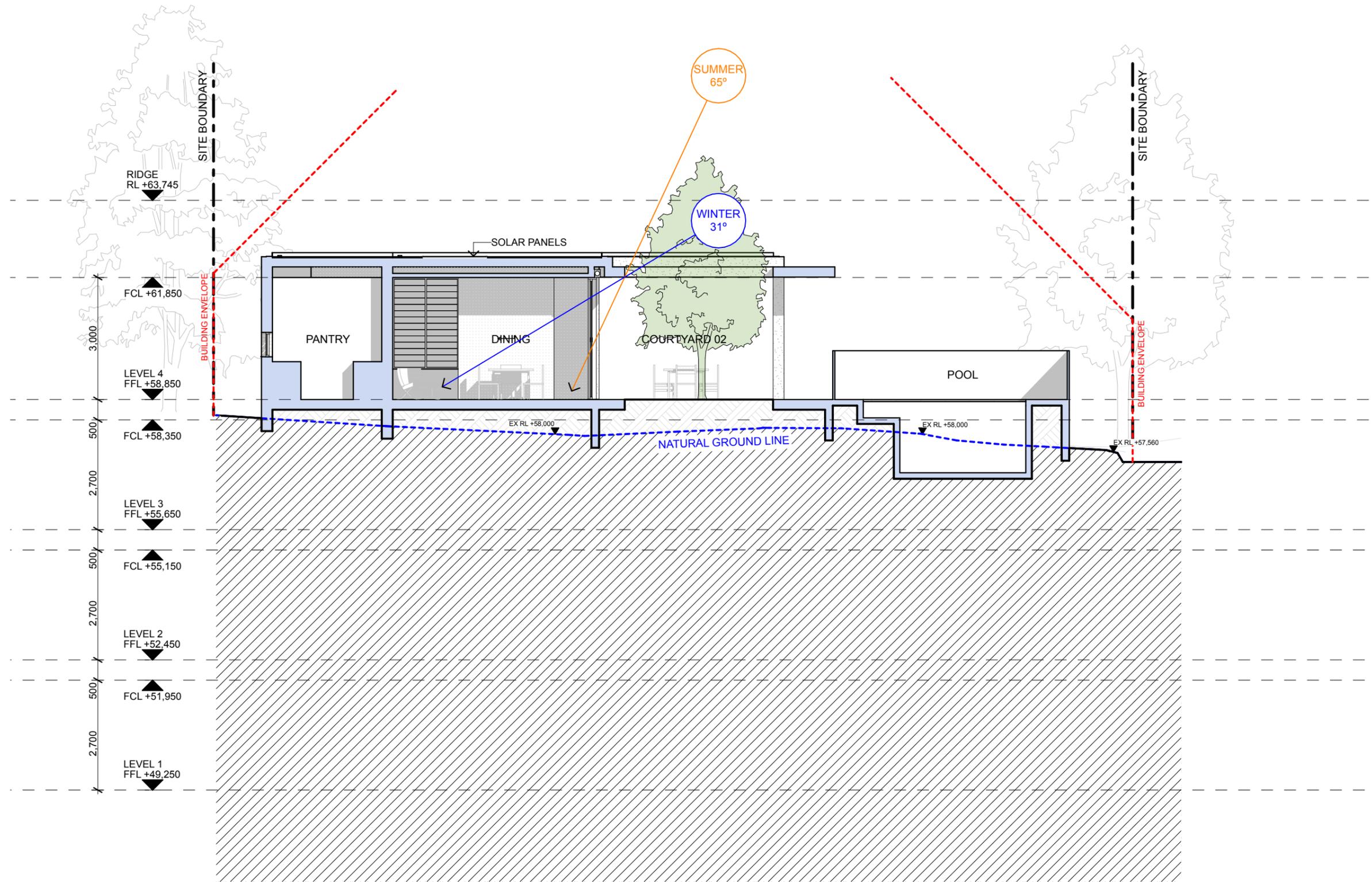
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CLIENT: MARCUS & LIDIA AYRES  
 PROJECT: AYRES HOUSE

ADDRESS: 168 WHALE BEACH ROAD WHALE BEACH NSW 2107  
 DRAWING: SECTION GG

JOB NO: 200731  
 DRAWN: MC  
 CHECKED: MK  
 SCALE: 1:100

DRAWING NO: DA17  
 ISSUE: G



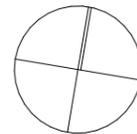
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| E        | Issue to Eng.           | 2/3/21     |
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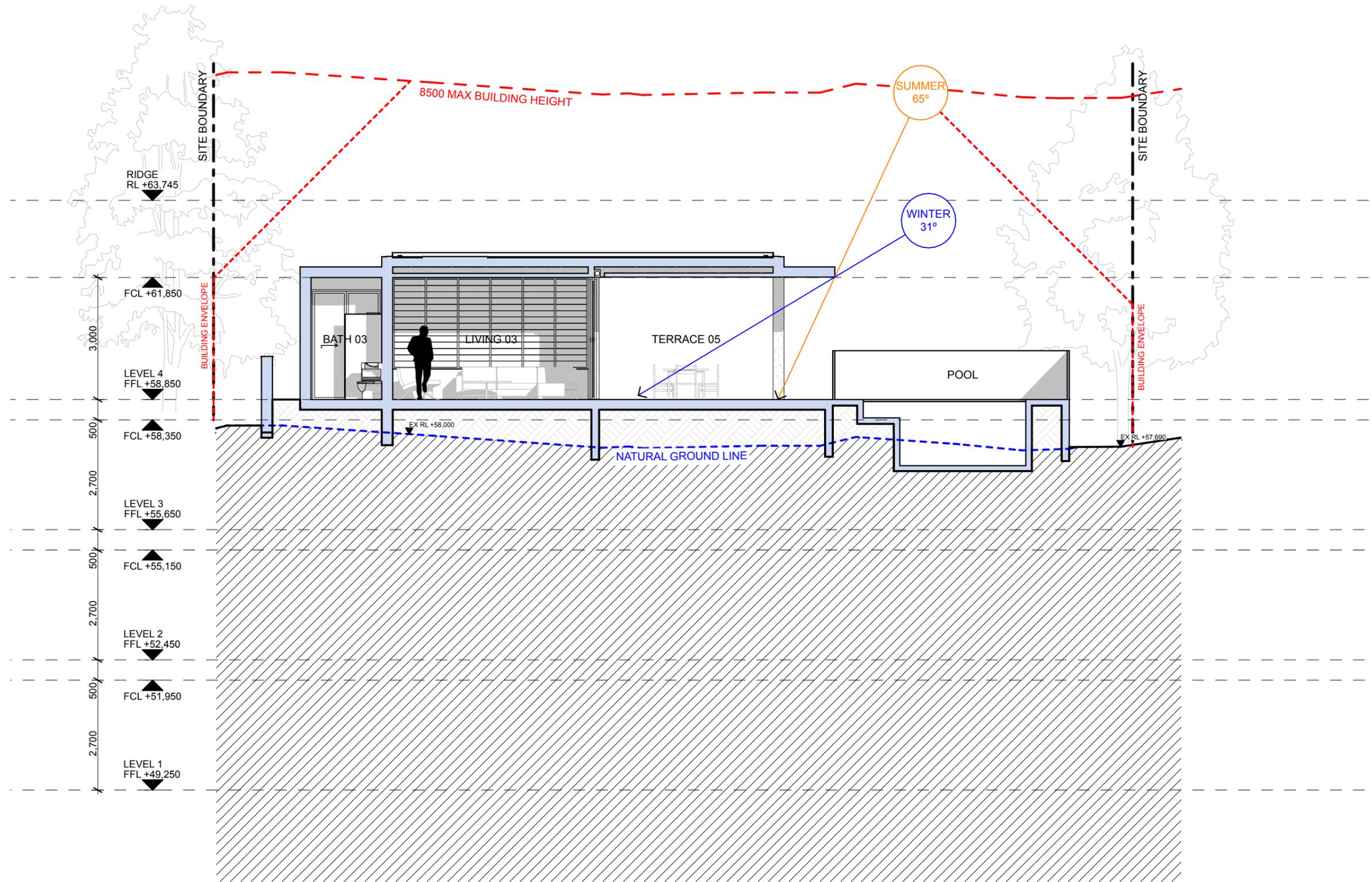
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ADDRESS: LEVEL 1, 167 PITTWATER ROAD MANLY NSW 2095 AUSTRALIA

CLIENT: MARCUS & LIDIA AYRES  
PROJECT: AYRES HOUSE

ADDRESS: 168 WHALE BEACH ROAD WHALE BEACH NSW 2107  
DRAWING: SECTION HH

JOB NO: 200731  
DRAWN: MC  
CHECKED: MK  
SCALE: 1:100

DRAWING NO: DA18  
ISSUE: G



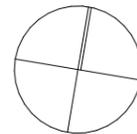
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| C        | Issue to Consultants    | 12/2/21    |
| E        | Issue to Eng.           | 2/3/21     |
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 ADDRESS: LEVEL 1, 167 PITTWATER ROAD MANLY NSW 2095 AUSTRALIA

CLIENT: MARCUS & LIDIA AYRES  
 PROJECT: AYRES HOUSE

ADDRESS: 168 WHALE BEACH ROAD WHALE BEACH NSW 2107  
 DRAWING: SECTION II

JOB NO: 200731  
 DRAWN: MC  
 CHECKED: MK  
 SCALE: 1:100

DRAWING NO: DA19  
 ISSUE: G



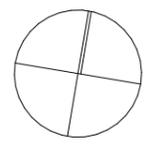
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| C        | Issue to Consultants    | 12/2/21    |
| E        | Issue to Eng.           | 2/3/21     |
| F        | Issue to Hydraulic Eng. | 12/3/21    |
| G        | Issue to Development    | 19/3/21    |
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|          |                      |          |   |          |        |             |      |
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| CLIENT:  | MARCUS & LIDIA AYRES | ADDRESS: | 168 WHALE BEACH ROAD WHALE BEACH NSW 2107 | JOB NO:  | 200731 | DRAWING NO: | DA20 |
| PROJECT: | AYRES HOUSE          | DRAWING: | ELEVATION - NORTH                         | DRAWN:   | MC     | ISSUE:      | G    |
|          |                      |          |   | CHECKED: | MK     |             |      |
|          |                      |          |   | SCALE:   | 1:100  |             |      |



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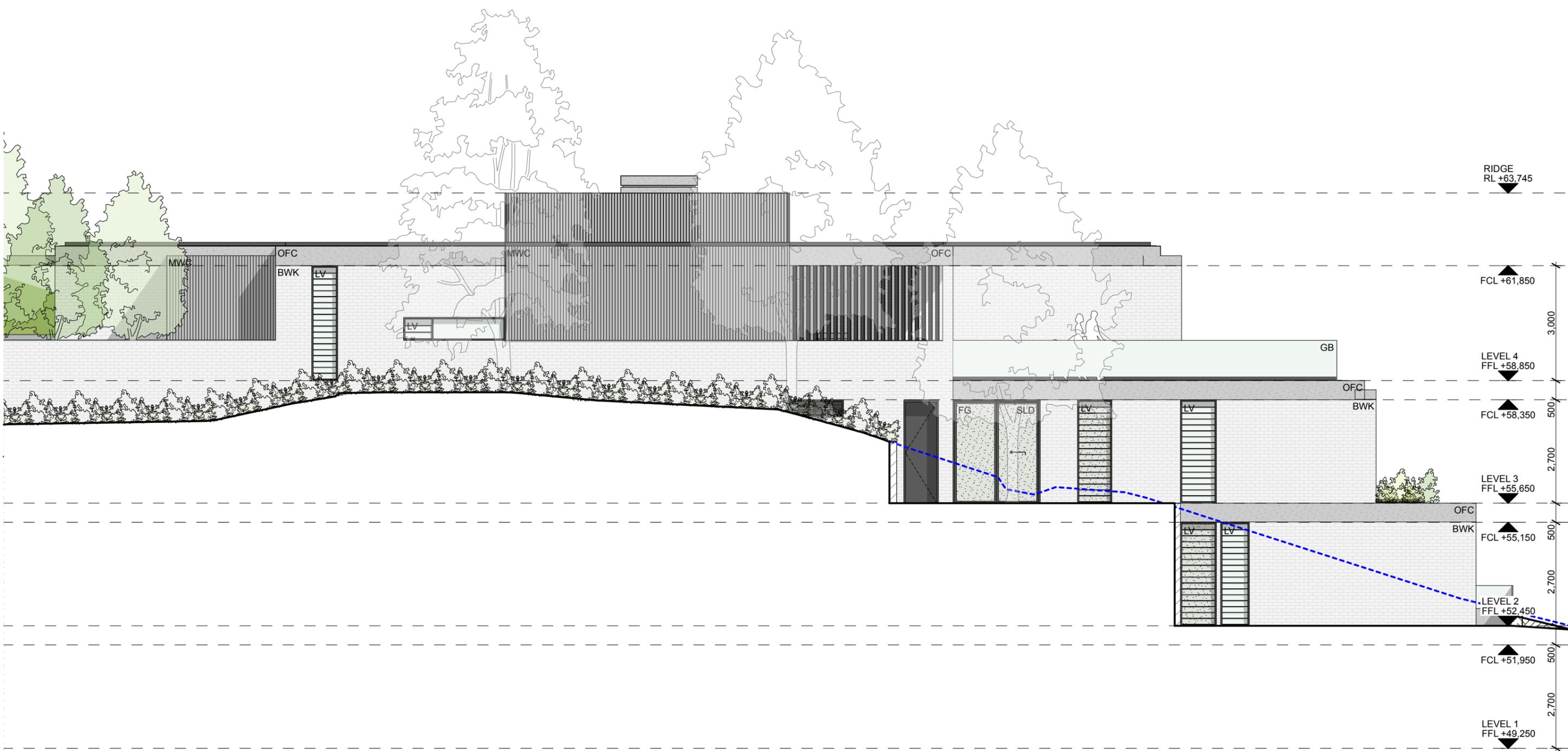


CLIENT: MARCUS & LIDIA AYRES  
 PROJECT: AYRES HOUSE

ADDRESS: 168 WHALE BEACH ROAD WHALE BEACH NSW 2107  
 DRAWING: ELEVATION - EAST

JOB NO: 200731  
 DRAWN: MC  
 CHECKED: MK  
 SCALE: 1:100

DRAWING NO: DA21  
 ISSUE: G



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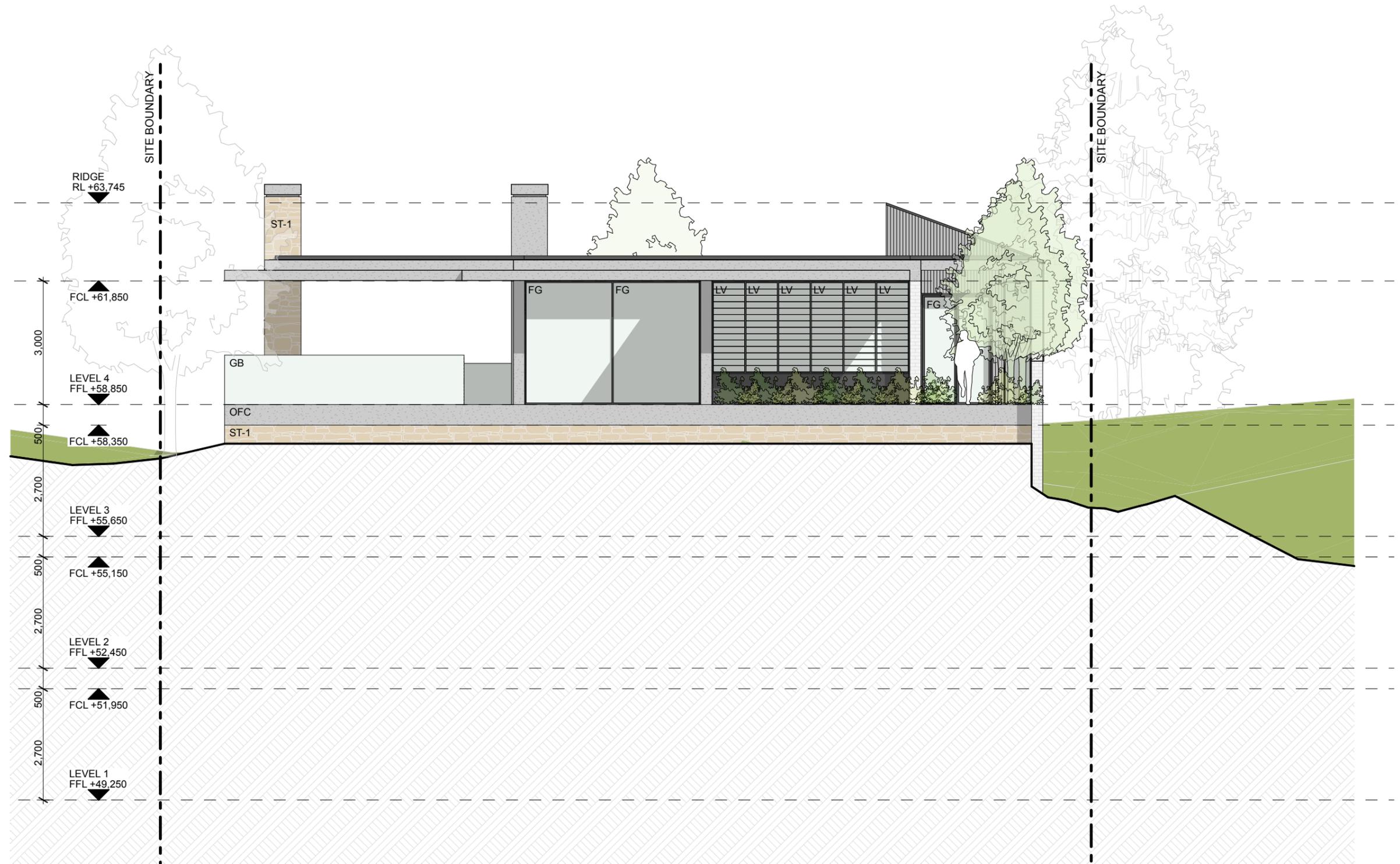
| Issue ID | Issue Name              | Issue Date |
|----------|-------------------------|------------|
| C        | Issue to Consultants    | 12/2/21    |
| E        | Issue to Eng.           | 2/3/21     |
| F        | Issue to Hydraulic Eng. | 12/3/21    |
| G        | Issue to Development    | 19/3/21    |
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| CLIENT:  | MARCUS & LIDIA AYRES | ADDRESS: | 168 WHALE BEACH ROAD WHALE BEACH NSW 2107 | JOB NO:  | 200731 | DRAWING NO: | DA22 |
| PROJECT: | AYRES HOUSE          | DRAWING: | ELEVATION - SOUTH                         | DRAWN:   | MC     | ISSUE:      | G    |
|          |                      |          |   | CHECKED: | MK     |             |      |
|          |                      |          |   | SCALE:   | 1:100  |             |      |



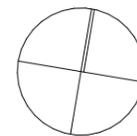
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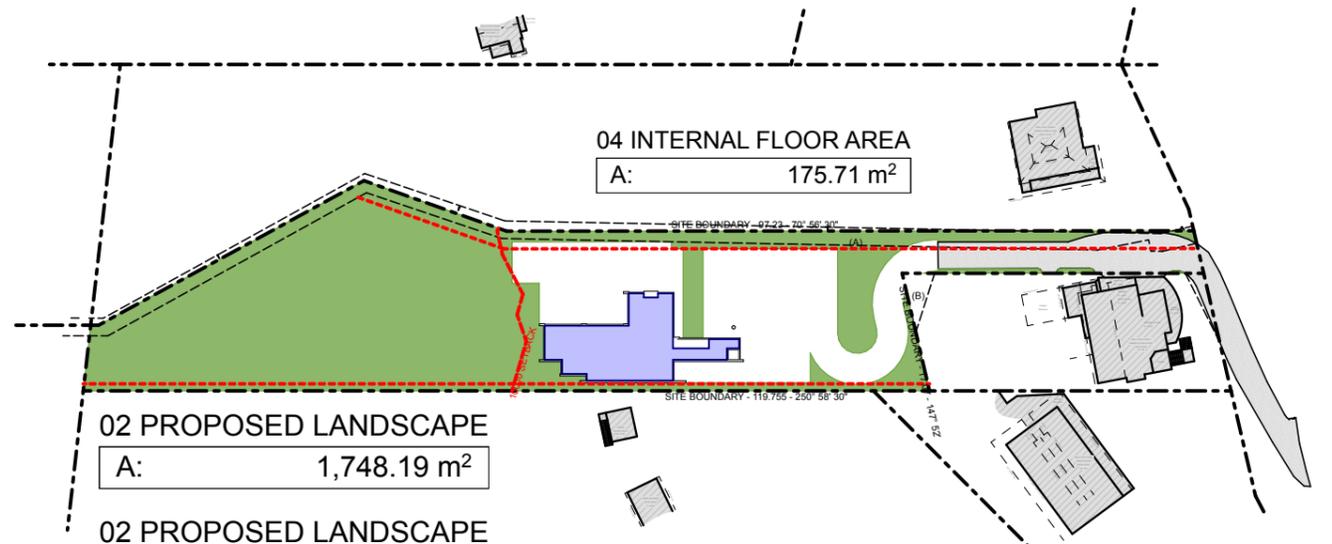
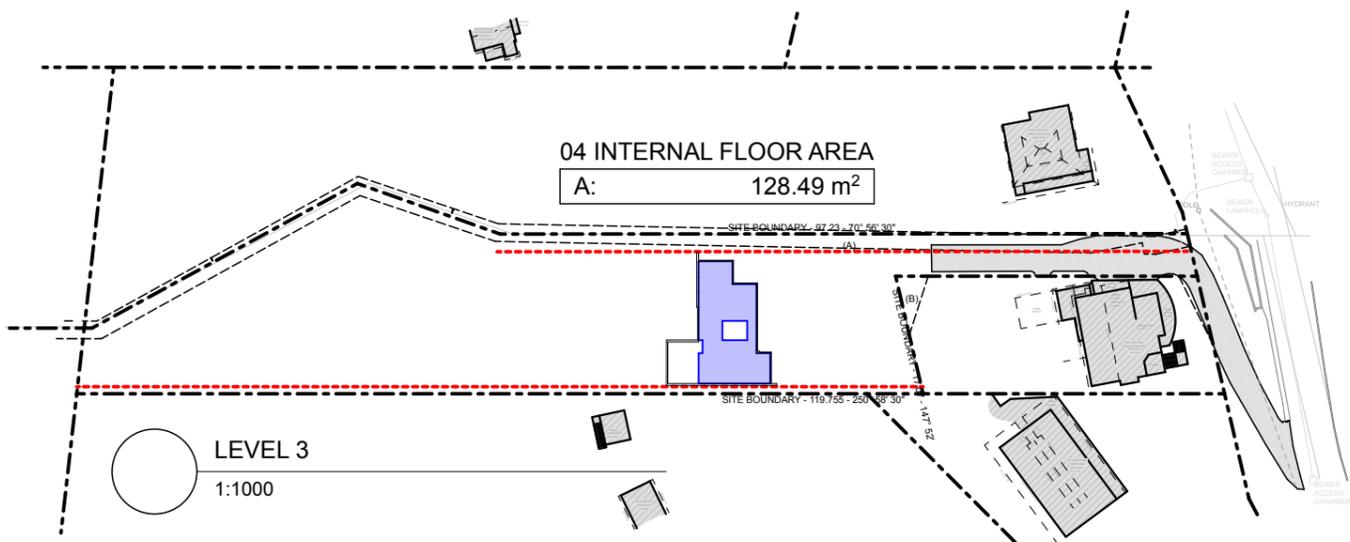
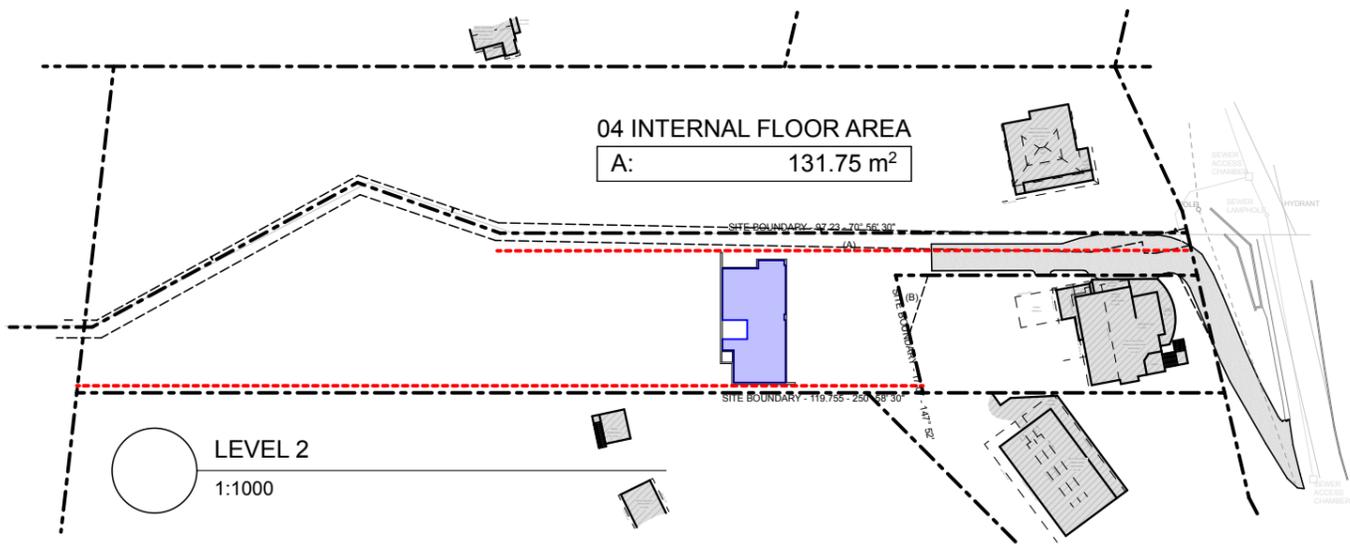
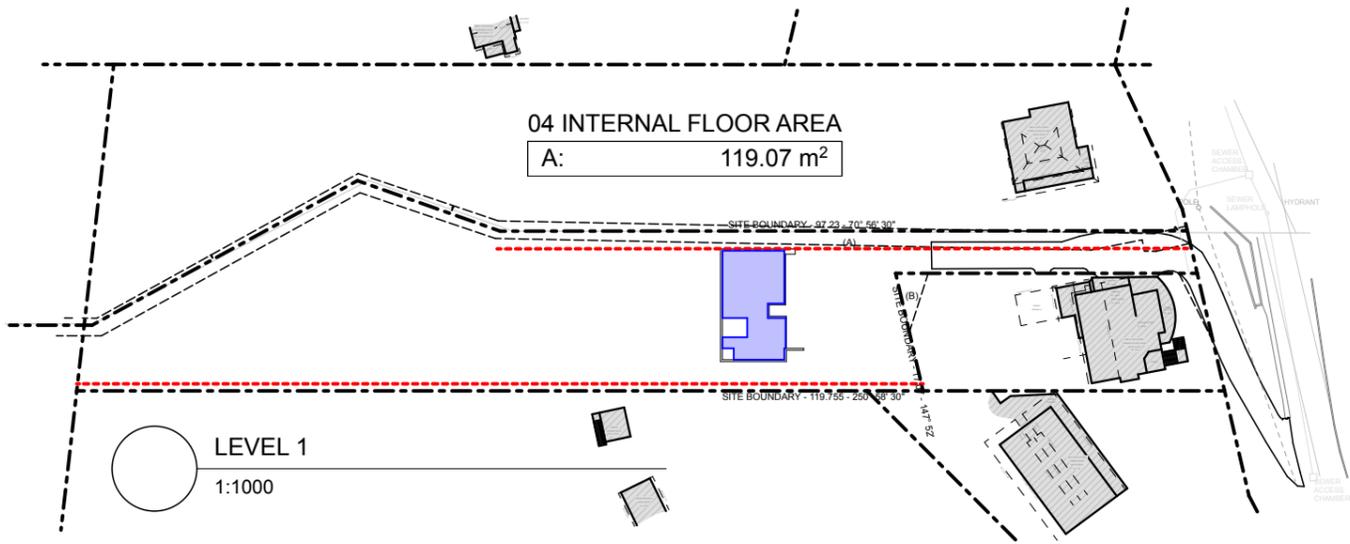
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 ADDRESS: LEVEL 1, 167 PITTWATER ROAD MANLY NSW 2095 AUSTRALIA

CLIENT: MARCUS & LIDIA AYRES  
 PROJECT: AYRES HOUSE

ADDRESS: 168 WHALE BEACH ROAD WHALE BEACH NSW 2107  
 DRAWING: ELEVATION - WEST

JOB NO: 200731  
 DRAWN: MC  
 CHECKED: MK  
 SCALE: 1:100

DRAWING NO:  
**DA23**  
 ISSUE:  
**G**



## LANDSCAPE AREA

|                       |          |
|-----------------------|----------|
| 01 EXISTING SITE AREA | 2,825.00 |
| 02 PROPOSED LANDSCAPE | 1,762.93 |

THE TOTAL LANDSCAPED AREA ON LAND ZONED R2 LOW DENSITY RESIDENTIAL OR E4 ENVIRONMENTAL LIVING SHALL BE 60% OF THE SITE AREA.

TOTAL LANDSCAPE PROVIDED: 62.4%

## FLOOR SPACE RATIO

|                        |          |
|------------------------|----------|
| 01 EXISTING SITE AREA  | 2,825.00 |
| 04 INTERNAL FLOOR AREA | 555.02   |

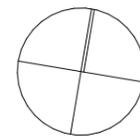
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CLIENT: MARCUS & LIDIA AYRES  
PROJECT: AYRES HOUSE

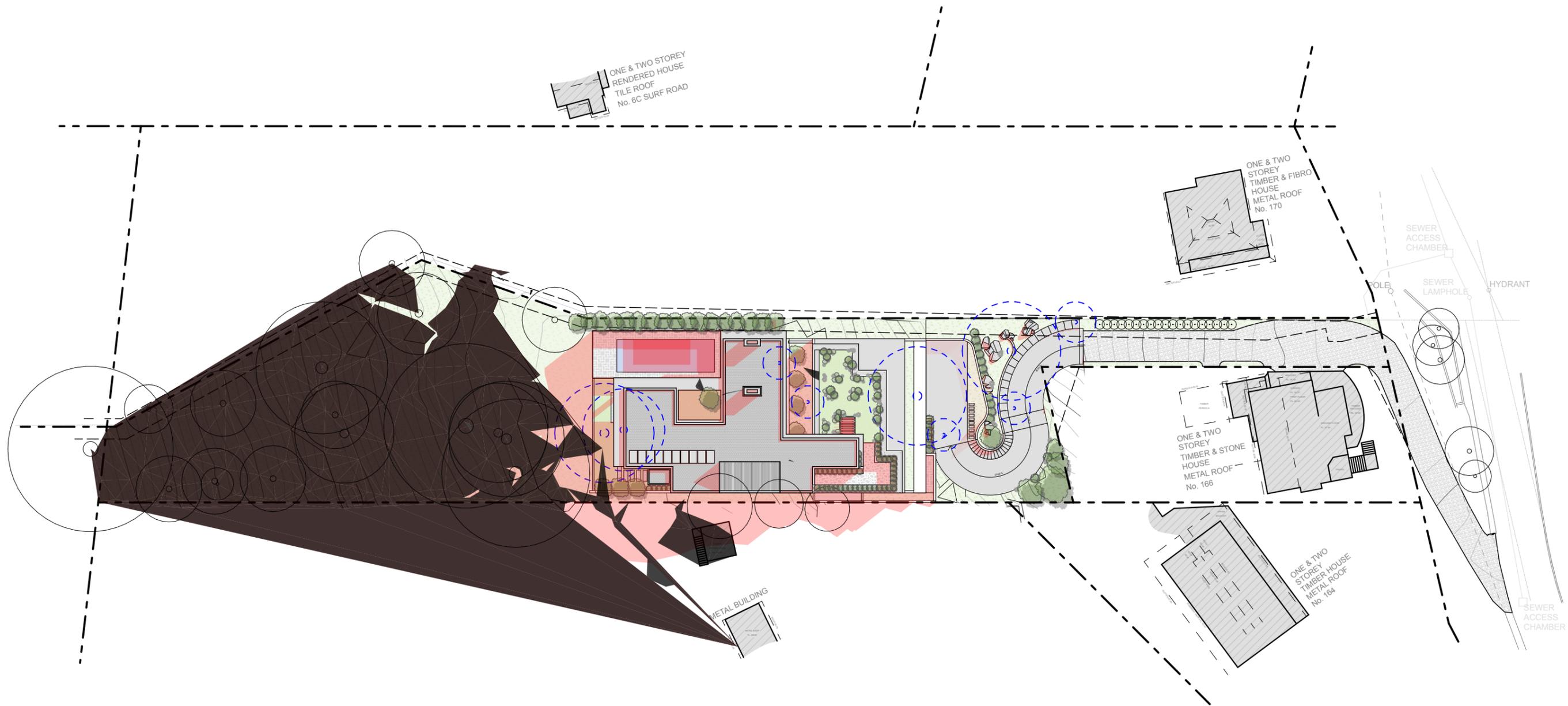
ADDRESS: 168 WHALE BEACH ROAD WHALE BEACH NSW 2107  
DRAWING: AREA CALCULATIONS

JOB NO: 200731  
DRAWN: MC  
CHECKED: MK  
SCALE: 1:1000, 1:1

DRAWING NO: DA24  
ISSUE: G

**LEGEND**

- EXISTING SHADOWS
- ADDITIONAL OVERSHADOWING



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|----------|-------------------------|------------|
| E        | Issue to Eng.           | 2/3/21     |
| F        | Issue to Hydraulic Eng. | 12/3/21    |
| G        | Issue to Development    | 19/3/21    |
|          |                         |            |
|          |                         |            |
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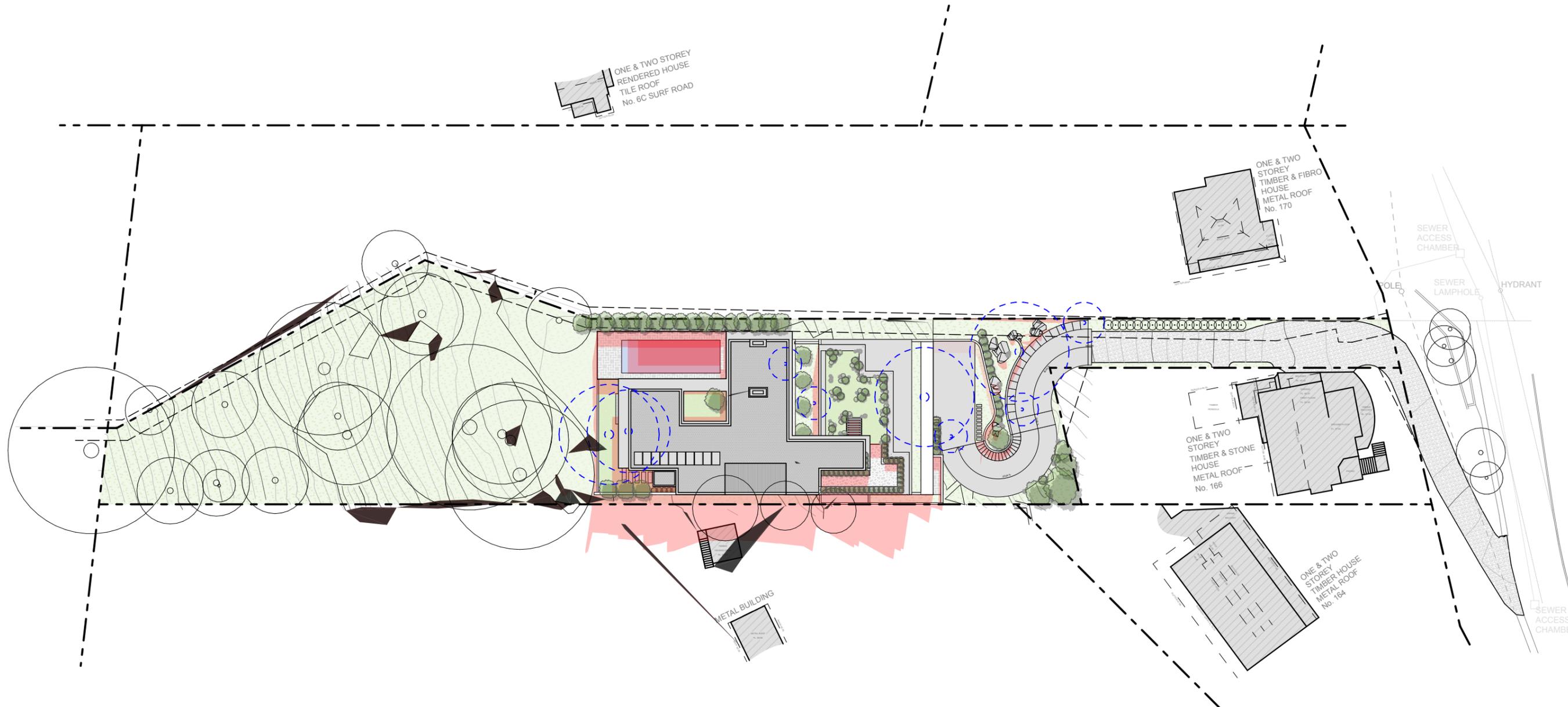
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|          |                      |          |   |          |        |             |      |
|----------|----------------------|----------|---|----------|--------|-------------|------|
| CLIENT:  | MARCUS & LIDIA AYRES | ADDRESS: | 168 WHALE BEACH ROAD WHALE BEACH NSW 2107 | JOB NO:  | 200731 | DRAWING NO: | DA25 |
| PROJECT: | AYRES HOUSE          | DRAWING: | SHADOW DIAGRAM @ 9AM                      | DRAWN:   | MC     | ISSUE:      | G    |
|          |                      |          |   | CHECKED: | MK     |             |      |
|          |                      |          |   | SCALE:   | 1:500  |             |      |

**LEGEND**

- EXISTING SHADOWS
- ADDITIONAL OVERSHADOWING



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| E        | Issue to Eng.           | 2/3/21     |
| F        | Issue to Hydraulic Eng. | 12/3/21    |
| G        | Issue to Development    | 19/3/21    |
|          |                         |            |
|          |                         |            |
|          |                         |            |
|          |                         |            |

**W**  
**W**

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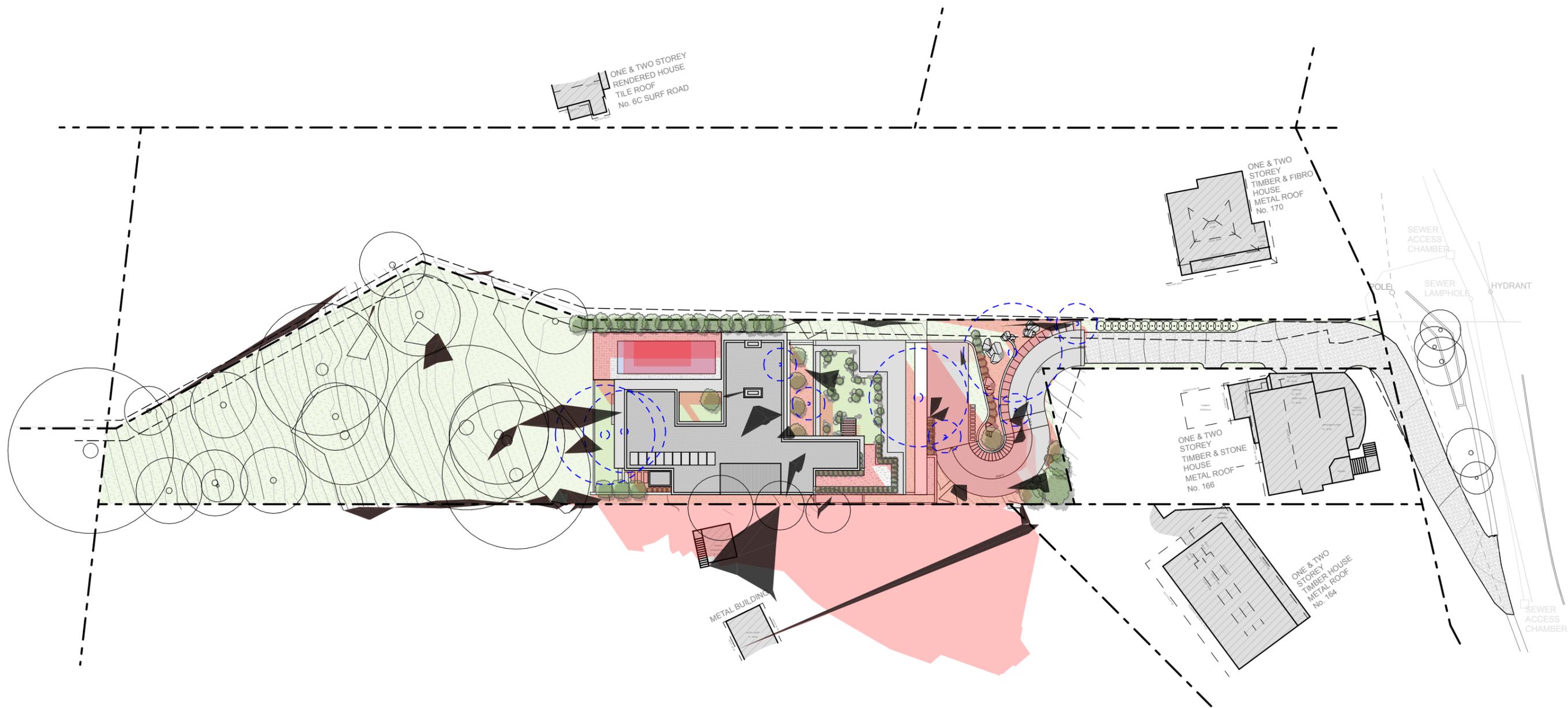
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| CLIENT:  | MARCUS & LIDIA AYRES | ADDRESS: | 168 WHALE BEACH ROAD WHALE BEACH NSW 2107 | JOB NO:  | 200731 | DRAWING NO: | DA26 |
| PROJECT: | AYRES HOUSE          | DRAWING: | <b>SHADOW DIAGRAM @ 12PM</b>              | DRAWN:   | MC     | ISSUE:      | G    |
|          |                      |          |   | CHECKED: | MK     |             |      |
|          |                      |          |   | SCALE:   | 1:500  |             |      |

**LEGEND**

- EXISTING SHADOWS
- ADDITIONAL OVERSHADOWING



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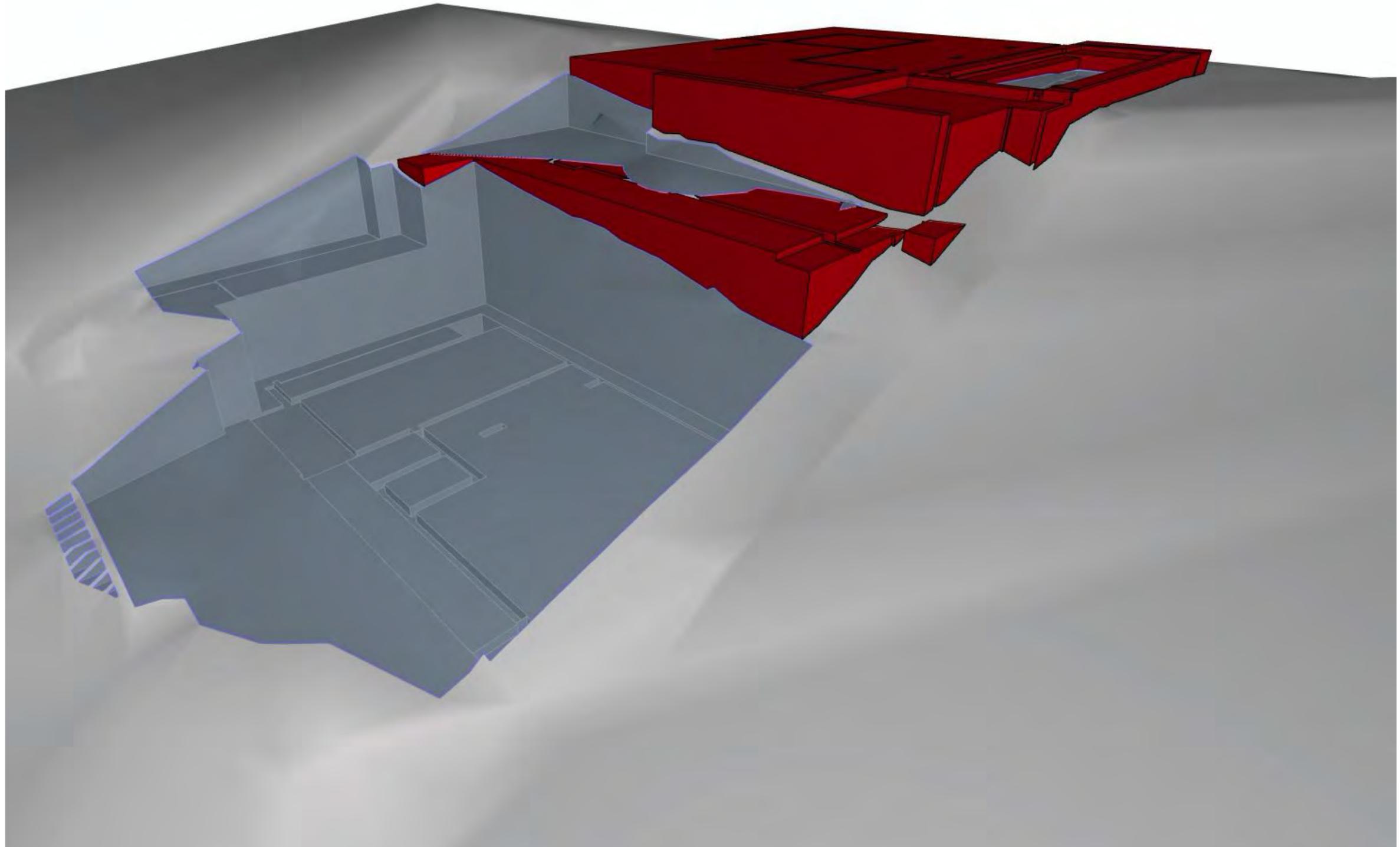
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| PROJECT: | AYRES HOUSE             | DRAWING: | <b>SHADOW DIAGRAM<br/>@ 3PM</b>                 | DRAWN:   | MC     | ISSUE:      | G    |
|          |                         |          |   | CHECKED: | MK     |             |      |
|          |                         |          |   | SCALE:   | 1:500  |             |      |

# EXCAVATION & FILL DIAGRAM

- EXISTING SITE
- PROPOSED EXCAVATION  
835.72m<sup>3</sup>
- PROPOSED FILL  
383.46m<sup>3</sup>



## NOTES:

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| PROJECT: | AYRES HOUSE          | DRAWING: | <b>EXCAVATION &amp; FILL DIAGRAM</b>      | DRAWN:   | MC       | ISSUE:      | <b>G</b>    |
|          |                      |          |   | CHECKED: | MK       |             |             |
|          |                      |          |   | SCALE:   | 1:164.83 |             |             |



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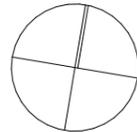
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| PROJECT: | AYRES HOUSE          | DRAWING: | IMAGE 1                                   | DRAWN:   | MC     | ISSUE:      | G    |
|          |                      |          |   | CHECKED: | MK     |             |      |
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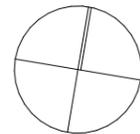
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CLIENT: MARCUS & LIDIA  
AYRES

PROJECT: AYRES HOUSE

ADDRESS: 168 WHALE BEACH  
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BEACH NSW 2107

DRAWING: **IMAGE 2**

JOB NO: 200731

DRAWN: MC

CHECKED: MK

SCALE:

DRAWING NO:

**DA30**

ISSUE:

**G**



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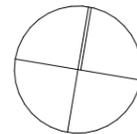
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CLIENT: MARCUS & LIDIA AYRES  
PROJECT: AYRES HOUSE

ADDRESS: 168 WHALE BEACH ROAD WHALE BEACH NSW 2107  
DRAWING: **IMAGE 3**

JOB NO: 200731  
DRAWN: MC  
CHECKED: MK  
SCALE:

DRAWING NO: **DA31**  
ISSUE: **G**



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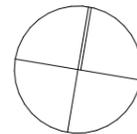
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| PROJECT: | AYRES HOUSE             | DRAWING: | IMAGE 4   | DRAWN:   | MC     | ISSUE:      | G    |
|          |                         |          |   | CHECKED: | MK     |             |      |
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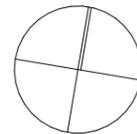
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| PROJECT: | AYRES HOUSE             | DRAWING: | IMAGE 5   | DRAWN:   | MC     | ISSUE:      | G    |
|          |                         |          |   | CHECKED: | MK     |             |      |
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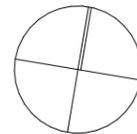
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| PROJECT: | AYRES HOUSE             | DRAWING: | IMAGE 6   | DRAWN:   | MC     | ISSUE:      | G    |
|          |                         |          |   | CHECKED: | MK     |             |      |
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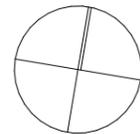
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| PROJECT: | AYRES HOUSE          | DRAWING: | IMAGE 7                                   | DRAWN:   | MC     | ISSUE:      | G    |
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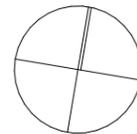
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- BUILDER TO EXAMINE SITE AND VERIFY CONDITIONS AND DIMENSIONS.
- THIS DRAWING REMAINS THE PROPERTY OF THE ARCHITECTS.
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| Issue ID | Issue Name              | Issue Date |
|----------|-------------------------|------------|
| A        | Issue to Consultants    | 10/11/20   |
| B        | Issue to for Pre DA     | 12/11/20   |
| E        | Issue to Eng.           | 2/3/21     |
| F        | Issue to Hydraulic Eng. | 12/3/21    |
| G        | Issue to Development    | 19/3/21    |



**WATERSHED  
DESIGN** architecture  
interiors  
landscapes



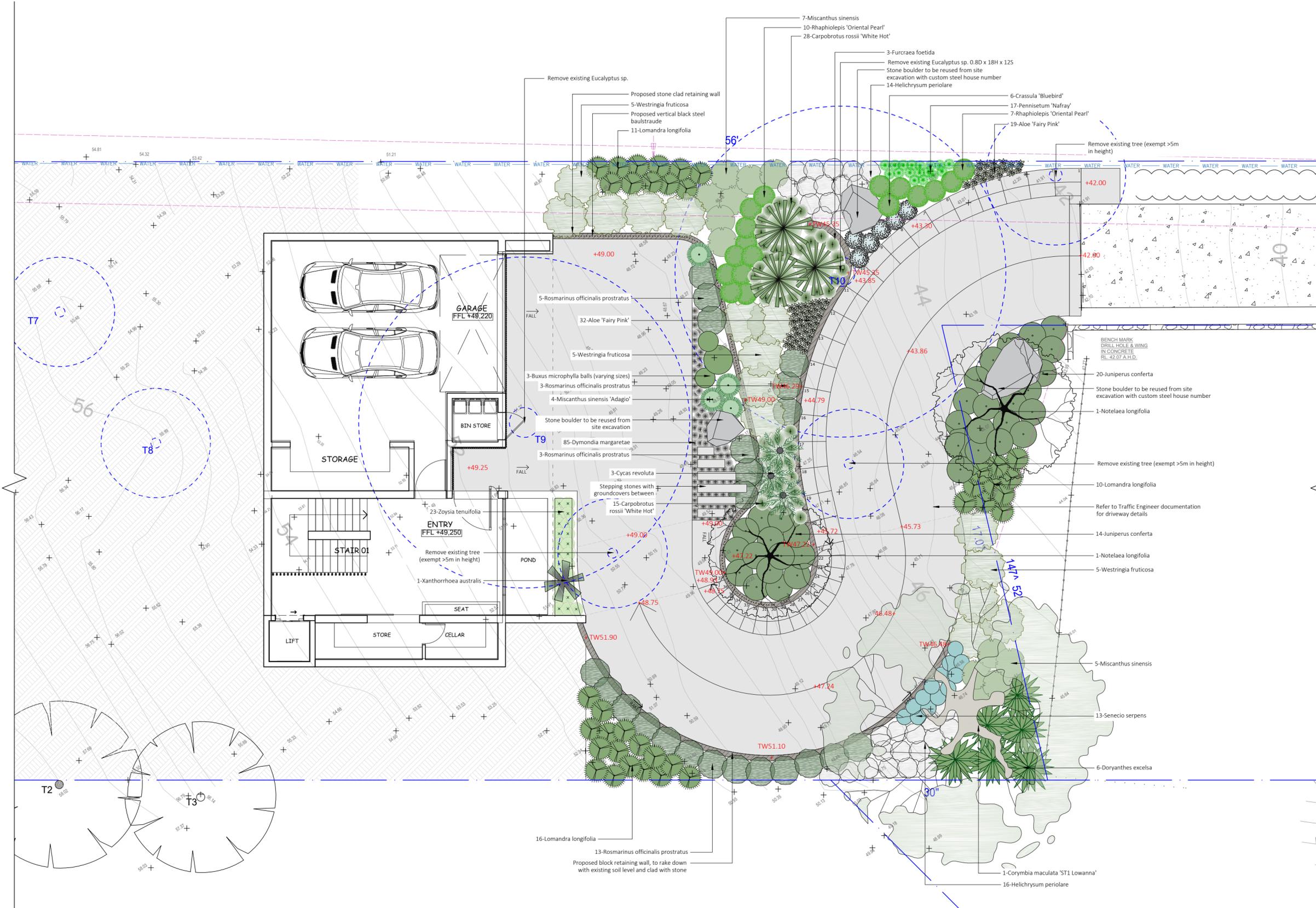
REGISTERED ARCHITECT: MARK KORGUL REGISTRATION NUMBER: 6221  
PHONE: 9977 1076 FAX: 02 9976 0625 EMAIL: INFO@WATERSHEDDESIGN.COM.AU  
ADDRESS: LEVEL 1, 167 PITTWATER ROAD MANLY NSW 2095 AUSTRALIA

CLIENT: MARCUS & LIDIA  
AYRES  
PROJECT: AYRES HOUSE

ADDRESS: 168 WHALE BEACH  
ROAD WHALE  
BEACH NSW 2107  
DRAWING: **IMAGE 8**

JOB NO: 200731  
DRAWN: MC  
CHECKED: MK  
SCALE:

DRAWING NO:  
**DA36**  
ISSUE:  
**G**



**NOTES:**

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| Point | Existing | Proposed | Difference |
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**BASIC COMMITMENTS INCLUDE:**

- Maximum capacity 72,000 litres
- Swimming pool must have a cover
- A pool pump timer must be installed
- Heating system is gas

**LEGEND:**

- EXISTING SPOT LEVEL / PROPOSED SPOT LEVEL
- BOUNDARY LINE (APPROX LOCATION)
- LINE OF ROOF OVER
- LINE OF WALL UNDER
- STORMWATER
- POOL SAFETY FENCING (NOM 1200MM HIGH)
- POOL SAFETY FENCING (NOM 1800MM HIGH)
- PROPOSED BAULLSTRAUIDE
- LINE OF EASEMENT
- PROPOSED MASONRY WALLING (TW= TOP OF WALL)
- PROPOSED PAVED / CONCRETE AREA
- PROPOSED CRAZY PAVING
- LAWN AREA
- POOL WATER
- PROPOSED STEPPING STONES
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE RETAINED

|      |                   |     |          |
|------|-------------------|-----|----------|
| A    | For DA submission | KB  | 01/03/21 |
| REV: | DESCRIPTION:      | BY: | DATE:    |

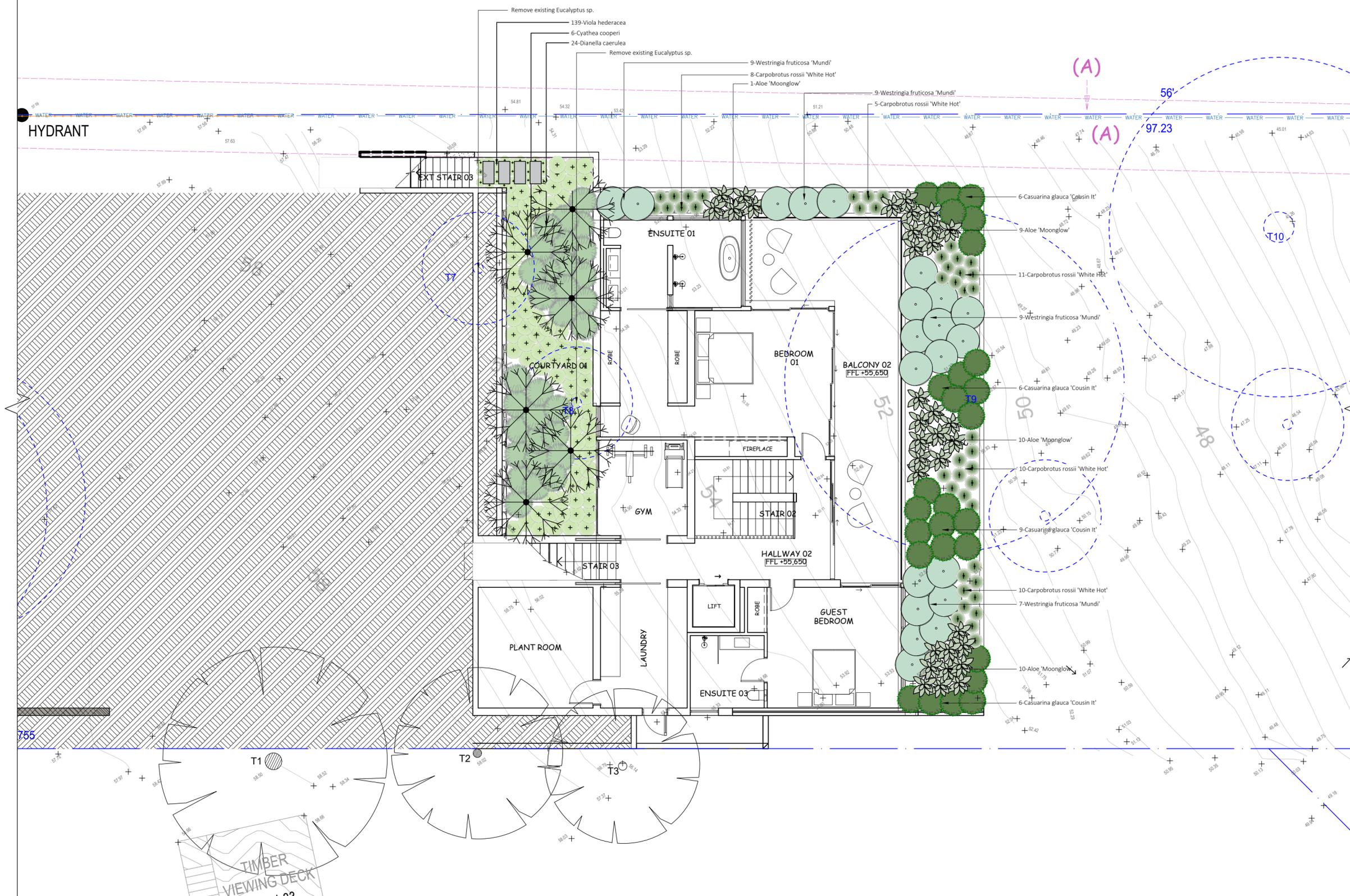
**For Development Application**

**Harrison's Landscaping**  
 9/19 Rodborough Road  
 Frenchs Forest, NSW, 2086  
 02 9451 2633  
 www.harrisonslandscaping.com.au

|               |  |                |        |             |  |
|---------------|--|----------------|--------|-------------|--|
| CLIENT NAME:  | Marcus & Lidia Ayres                         |                |        |             |  |
| SITE ADDRESS: | 168 Whale Beach Road, Whale Beach, NSW, 2107 |                |        |             |  |
| LOT NO.:      | 1  | DP NO.:        | 749530 |             |  |
| DRAWING NAME: | Landscape Master Plan - Level 1              |                |        |             |  |
| SCALE:        | 1:100 @ A2                                   | PROJECT NORTH: |        | TRUE NORTH: |  |
| DATE:         | 24/02/2021                                   | DRAWN:         | KB     |             |  |

**EXISTING TREE SCHEDULE**

| Tree No | Species               | Retain / Remove |
|---------|-----------------------|-----------------|
| 1       | Eucalyptus botryoides | Retain          |
| 2       | Acacia implexa        | Retain          |
| 3       | Eucalyptus botryoides | Retain          |
| 4       | Eucalyptus botryoides | Remove          |
| 5       | Eucalyptus botryoides | Remove          |
| 6       | Eucalyptus botryoides | Retain          |
| 7       | Banksia integrifolia  | Remove          |
| 8       | Eucalyptus botryoides | Remove          |
| 9       | Eucalyptus botryoides | Remove          |
| 10      | Eucalyptus botryoides | Remove          |



**NOTES:**

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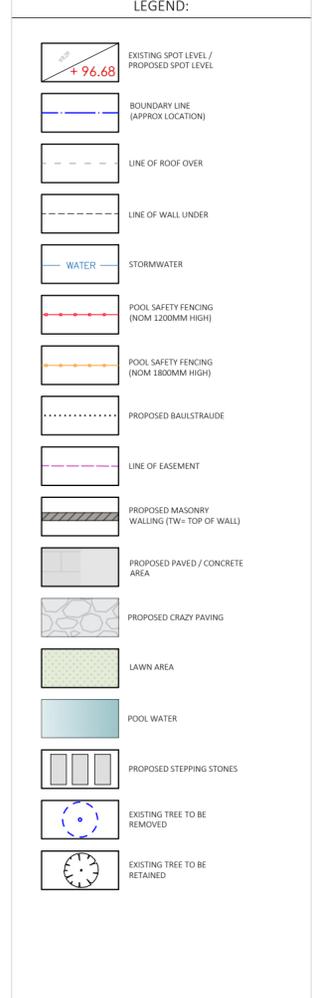
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| C     | 57.57    | 58.85    | + 1.28     |
| D     | 58.18    | 58.85    | + 0.67     |

BASIC COMMITMENTS INCLUDE:  
 • Maximum capacity 73,000 litres  
 • Swimming pool must have a cover  
 • A pool pump timer must be installed  
 • Heating system is gas



| REV | DESCRIPTION       | BY | DATE     |
|-----|-------------------|----|----------|
| A   | For DA submission | KB | 01/03/21 |

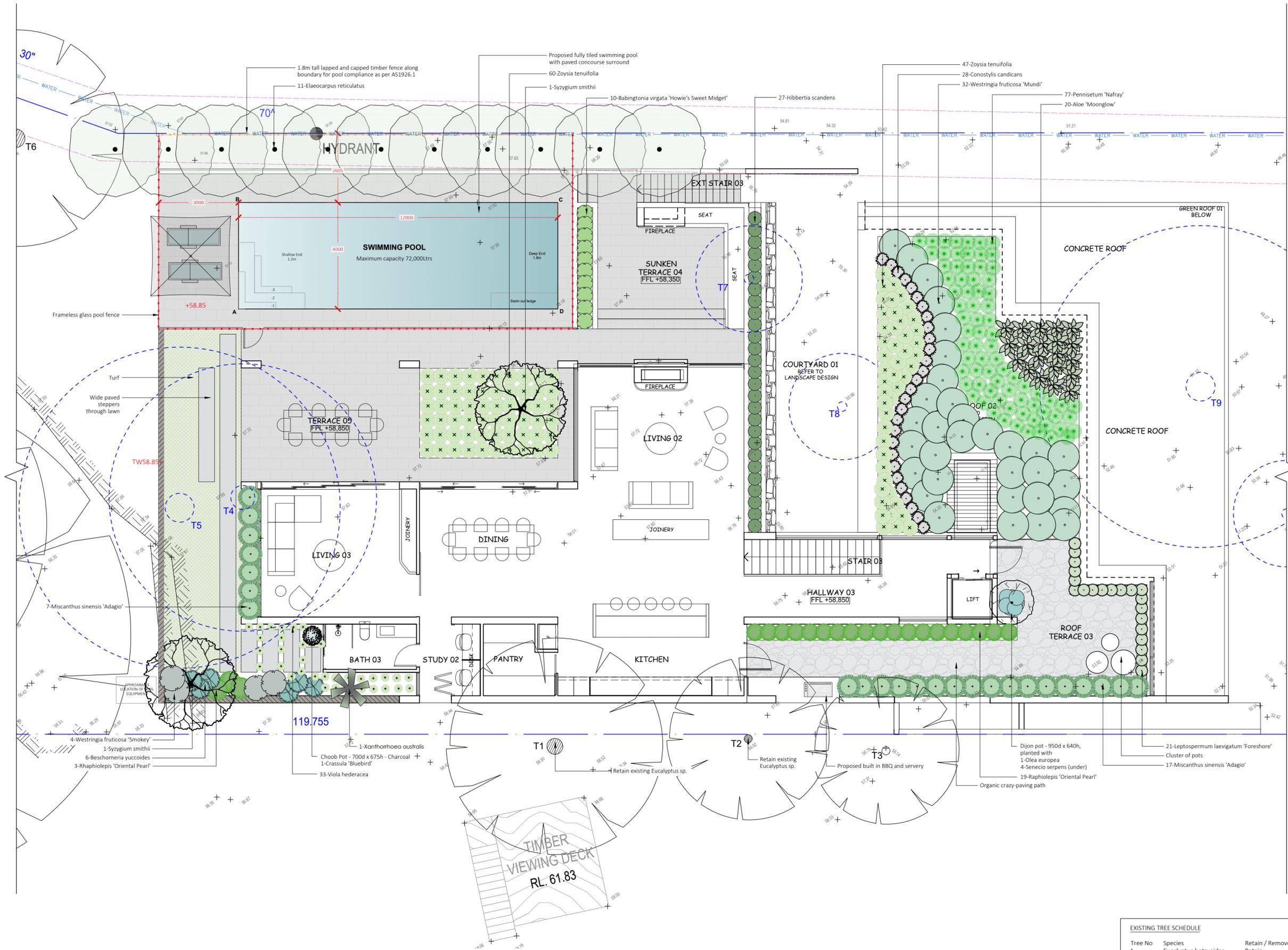
For Development Application

**Harrison's Landscaping**  
 9/19 Rodborough Road  
 Frenchs Forest, NSW, 2086  
 02 9451 2633  
 www.harrisonslandscaping.com.au

CLIENT NAME: Marcus & Lidia Ayres  
 SITE ADDRESS: 168 Whale Beach Road, Whale Beach, NSW, 2107  
 LOT NO: 1      DP NO: 749530  
 DRAWING NAME: Landscape Master Plan - Level 3  
 SCALE: 1:100 @ A2      PROJECT NORTH: TRUE NORTH  
 DATE: 24/02/2021  
 DRAWN: KB

**EXISTING TREE SCHEDULE**

| Tree No | Species               | Retain / Remove |
|---------|-----------------------|-----------------|
| 1       | Eucalyptus botryoides | Retain          |
| 2       | Acacia implexa        | Retain          |
| 3       | Eucalyptus botryoides | Retain          |
| 4       | Eucalyptus botryoides | Remove          |
| 5       | Eucalyptus botryoides | Remove          |
| 6       | Eucalyptus botryoides | Retain          |
| 7       | Banksia integrifolia  | Remove          |
| 8       | Eucalyptus botryoides | Remove          |
| 9       | Eucalyptus botryoides | Remove          |
| 10      | Eucalyptus botryoides | Remove          |



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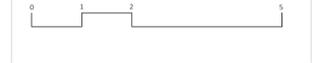
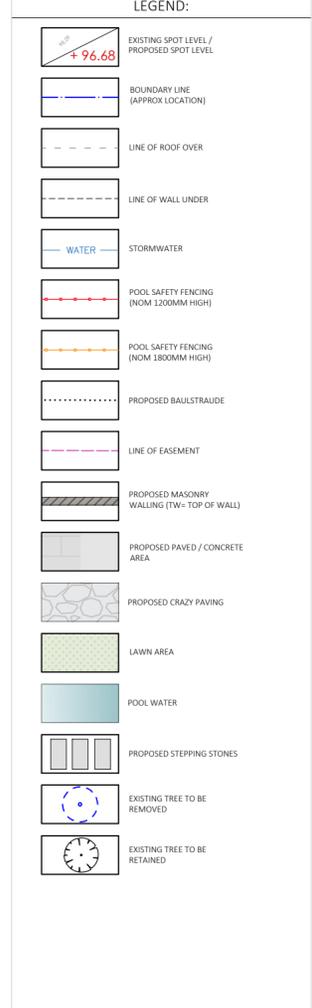
**Comparative levels**

Approx height of pool surrounds relative to existing ground levels at points A - D are as follows:

| Point | Existing | Proposed | Difference |
|-------|----------|----------|------------|
| A     | 57.76    | 58.85    | +1.10      |
| B     | 57.68    | 58.85    | +1.17      |
| C     | 57.57    | 58.85    | +1.28      |
| D     | 58.18    | 58.85    | +0.67      |

**BASIC COMMITMENTS INCLUDE:**

- Maximum capacity 72,000 litres
- Swimming pool must have a cover
- A pool pump timer must be installed
- Heating system is gas



| REV | DESCRIPTION       | DATE     |
|-----|-------------------|----------|
| A   | For DA submission | 01/03/21 |

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02 9451 2633  
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CLIENT NAME: Marcus & Lidia Ayres

SITE ADDRESS: 168 Whale Beach Road, Whale Beach, NSW, 2107

LOT NO: 1      DP NO: 749530

DRAWING NAME: Landscape Master Plan - Level 4

SCALE: 1:100 @ A2      PROJECT NORTH: TRUE NORTH

DATE: 24/02/2021

DRAWN: KB

**EXISTING TREE SCHEDULE**

| Tree No | Species               | Retain / Remove |
|---------|-----------------------|-----------------|
| 1       | Eucalyptus botryoides | Retain          |
| 2       | Acacia implexa        | Retain          |
| 3       | Eucalyptus botryoides | Retain          |
| 4       | Eucalyptus botryoides | Remove          |
| 5       | Eucalyptus botryoides | Remove          |
| 6       | Eucalyptus botryoides | Retain          |
| 7       | Banksia integrifolia  | Remove          |
| 8       | Eucalyptus botryoides | Remove          |
| 9       | Eucalyptus botryoides | Remove          |
| 10      | Eucalyptus botryoides | Remove          |

# LANDSCAPE PLANT SCHEDULE

| Botanical Name                             | Common Name            | Pot Size | Quantity |         |         | Native / Exotic | Mature Height |
|--|------------------------|----------|----------|---------|---------|-----------------|---------------|
|  |                        |          | Level 1  | Level 3 | Level 4 |                 |               |
| Aloe 'Fairy Pink'                          | Aloe                   | 140mm    | 51       |         |         | E               | 0.2m          |
| Aloe 'Moonglow'                            | Aloe                   | 200mm    |          | 34      | 20      | E               | 0.8m          |
| Babingtonia virgata 'Howie's Sweet Midget' | Heath Myrtle           | 200mm    |          |         | 10      | N               | 0.5m          |
| Beschomeria yuccoides                      | Mexican Lily           | 200mm    |          |         | 6       | E               | 1m            |
| Buxus microphylla -balls                   | Japanese box           | varies   | 3        |         |         | E               | 2m            |
| Carpobrotus rossii 'White Hot'             | Pigface                | 140mm    | 47       | 44      |         | LN              | 0.1m          |
| Casuarina glauca 'Cousin It'               | Casuarina              | 200mm    |          | 27      |         | LN              | 0.2m          |
| Conostylis candidans                       | Cotton Heads           | 140mm    |          |         | 28      | N               | 0.2m          |
| Corymbia maculata 'ST1' Lowanna            | Spotted Gum            | 100Ltr   | 1        |         |         | LN              | 10m           |
| Crassula 'Bluebird'                        | Bluebird               | 300mm    | 7        |         | 1       | E               | 0.8m          |
| Cycas revoluta                             | Japanese Sago Palm     | 400mm    | 3        |         |         | E               | 3m            |
| Cyathea cooperi                            | Coin Spot Fern         | 75Ltr    |          | 6       |         | N               | 5-15m         |
| Dianella caerulea 'Lucia'                  | Blue Flax Lily         | 200mm    |          | 24      |         | LN              | 0.4m          |
| Doryanthes excelsa                         | Gynea Lily             | 400mm    | 6        |         |         | N               | 4m            |
| Dymondia margaretae                        | Silver Carpet          | 100mm    | 85       |         |         | E               | 0.05m         |
| Elaeocarpus reticulatus                    | Blueberry Ash          | 45Ltr    |          |         | 11      | LN              | 3-15m         |
| Furcraea foedita                           | Mautitius Hemp         | 400mm    | 3        |         |         | E               | 1.5m          |
| Helichrysum petiolare                      | Licorice Plant         | 140mm    | 30       |         |         | E               | 0.6m          |
| Hibbertia scandens                         | Snake Vine             | 140mm    |          |         | 27      | LN              | 3m            |
| Juniperus conferta                         | Shore Juniper          | 200mm    | 34       |         |         | E               | 0.25m         |
| Leptospermum laevigatum 'Foreshore'        | Coastal Tea Tree       | 200mm    |          |         | 21      | LN              | 0.5m          |
| Lomandra longifolia                        | Basket Grass           | 140mm    | 37       |         |         | LN              | 1m            |
| Miscanthus sinensis                        | Chinese Silver Grass   | 140mm    | 12       |         |         | E               | 1.5-2m        |
| Miscanthus sinensis 'Adagio'               | Adagio Miscanthus      | 200mm    | 4        |         | 24      | E               | 1m            |
| Notelaea longifolia                        | Mock Olive             | 300mm    | 2        |         |         | LN              | 8m            |
| Olea europea                               | Olive                  | 100Ltr   |          |         | 1       | E               | 7m            |
| Pennisetum 'Nafray'                        | Chinese Fountain Grass | 140mm    | 17       |         | 77      | E               | 0.7m          |
| Raphiolepis 'Oriental Pearl'               | Indian Hawthorn        | 300mm    | 16       |         | 22      | E               | 0.8m          |
| Rosmarinus officinalis prostratus          | Prostrate Rosemary     | 200mm    | 22       |         |         | E               | 0.4m          |
| Senecio serpens                            | Blue Chalksticks       | 140mm    | 13       |         | 4       | E               | 0.3m          |
| Syzygium smithii                           | Common Lilly pilly     | 300mm    |          |         | 2       | LN              | 15-20m        |
| Viola hederacea                            | Native Violet          | 100mm    |          | 139     | 33      | LN              | 0.15m         |
| Westringia fruticosa                       | Coastal Rosemary       | 200mm    | 15       |         |         | LN              | 1.5-2m        |
| Westringia fruticosa 'Mundi'               | Coastal Rosemary       | 200mm    |          | 21      | 32      | LN              | 0.5m          |
| Westringia fruticosa 'Smokey'              | Westringia Smokey      | 200mm    |          |         | 5       | LN              | 1m            |
| Xanthorrhoea australis                     | Grass Tree             | 400mm    | 1        |         |         | LN              | 4m            |
| Zoysia tenuifolia                          | Zoysia                 | 100mm    | 23       |         | 107     | N               | 0.2m          |

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## NATIVE SPECIES SUMMARY

|                            | No. of species | Total plants |
|----------------------------|----------------|--------------|
| Locally Native Plants (LN) | 15             | 489          |
| Native Plants (N)          | 4              | 180          |
| Exotic Plants (E)          | 17             | 489          |

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| REV. | DESCRIPTION:      | BY: | DATE:    |
|------|-------------------|-----|----------|
| A    | For DA submission | KB  | 01/03/21 |

## For Development Application

**H** Harrison's Landscaping  
 9/19 Rodborough Road  
 Frenchs Forest, NSW, 2086  
 02 9451 2633  
 www.harrisonslandscaping.com.au

CLIENT NAME: Marcus & Lidia Ayres

SITE ADDRESS: 168 Whale Beach Road,  
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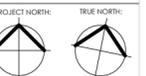
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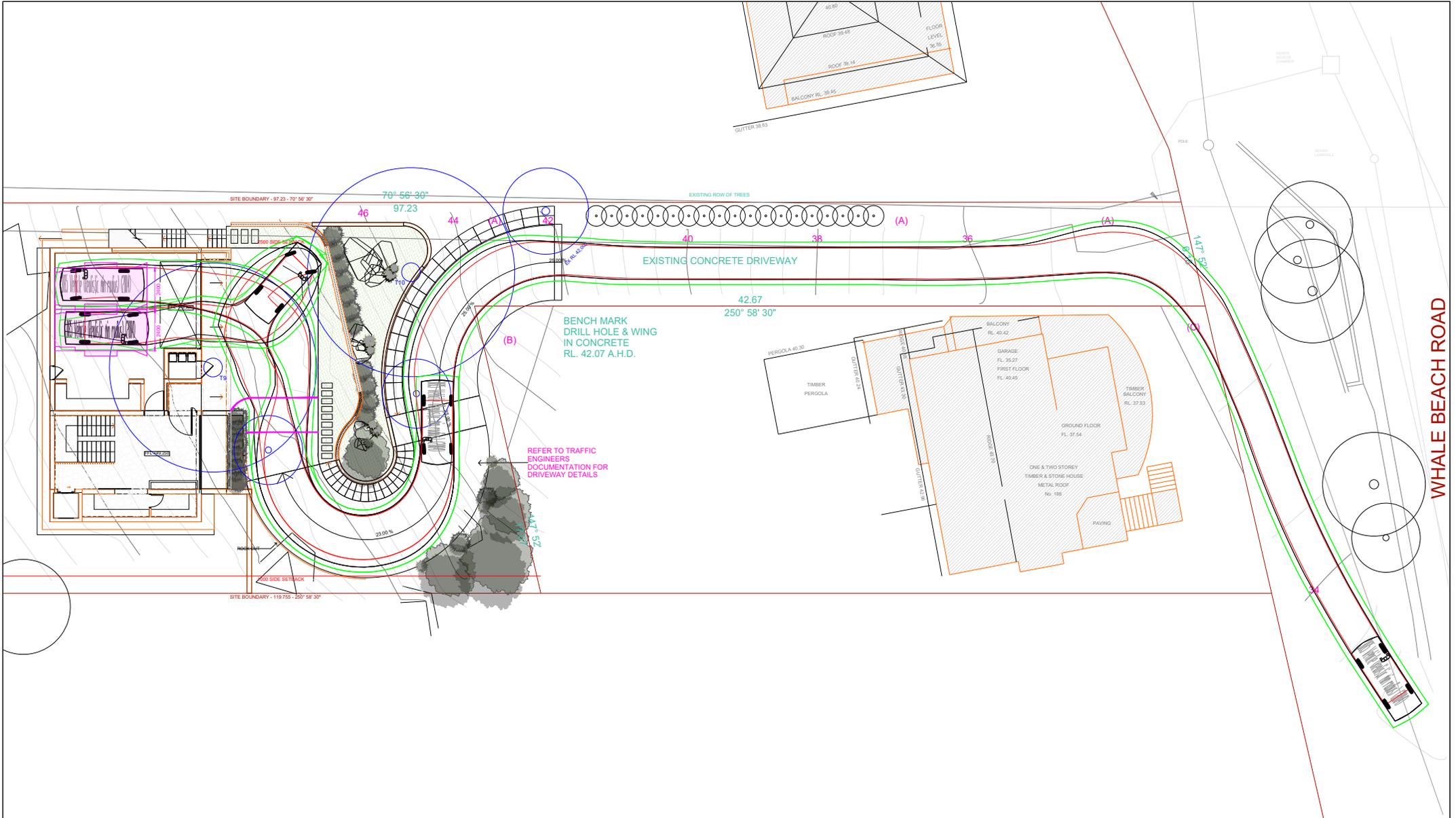
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Landscape Plant Schedule

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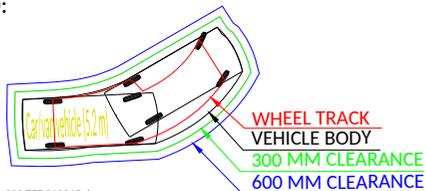
DATE: 24/02/2021

DRAWN: KB





LEGEND:



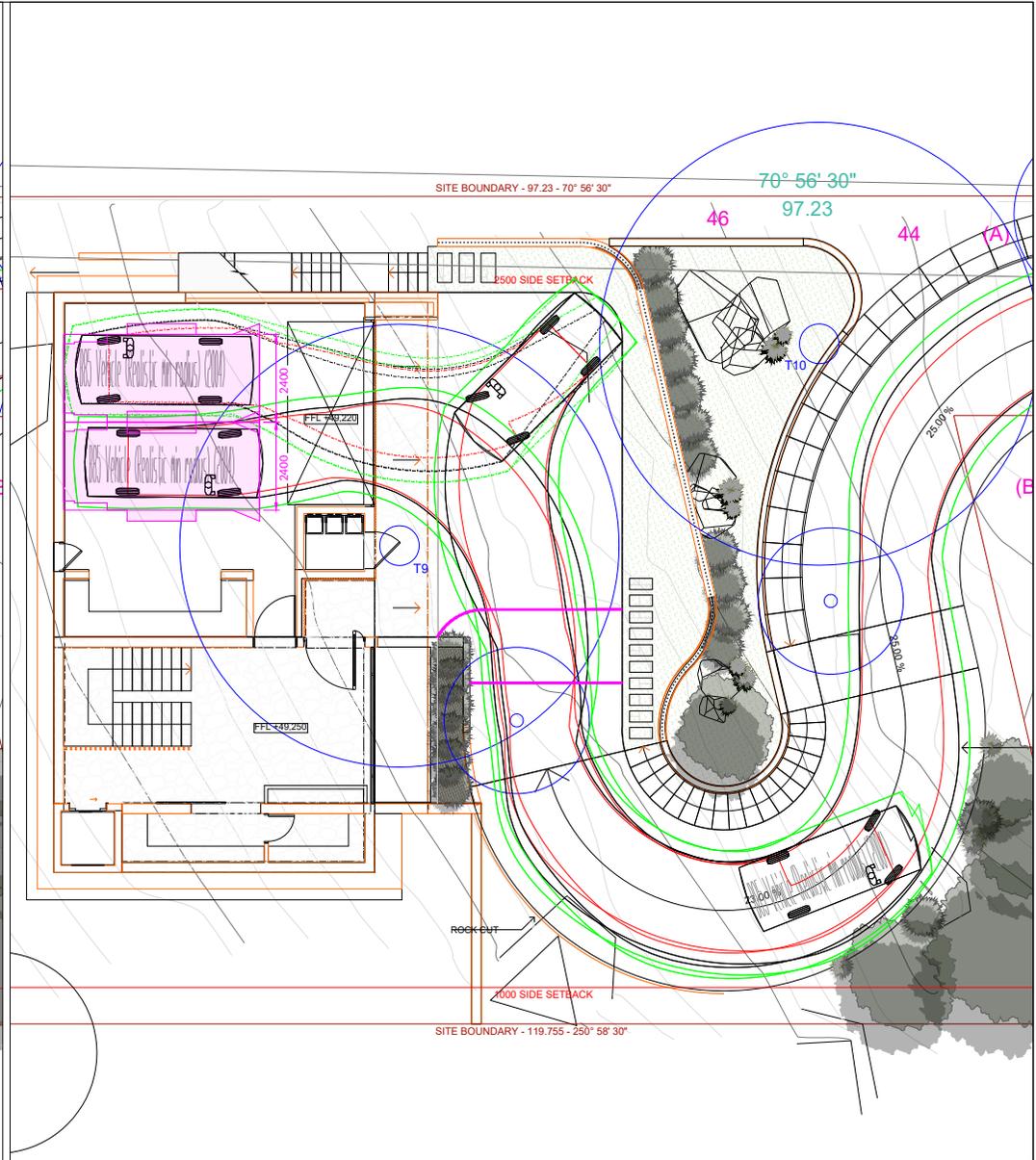
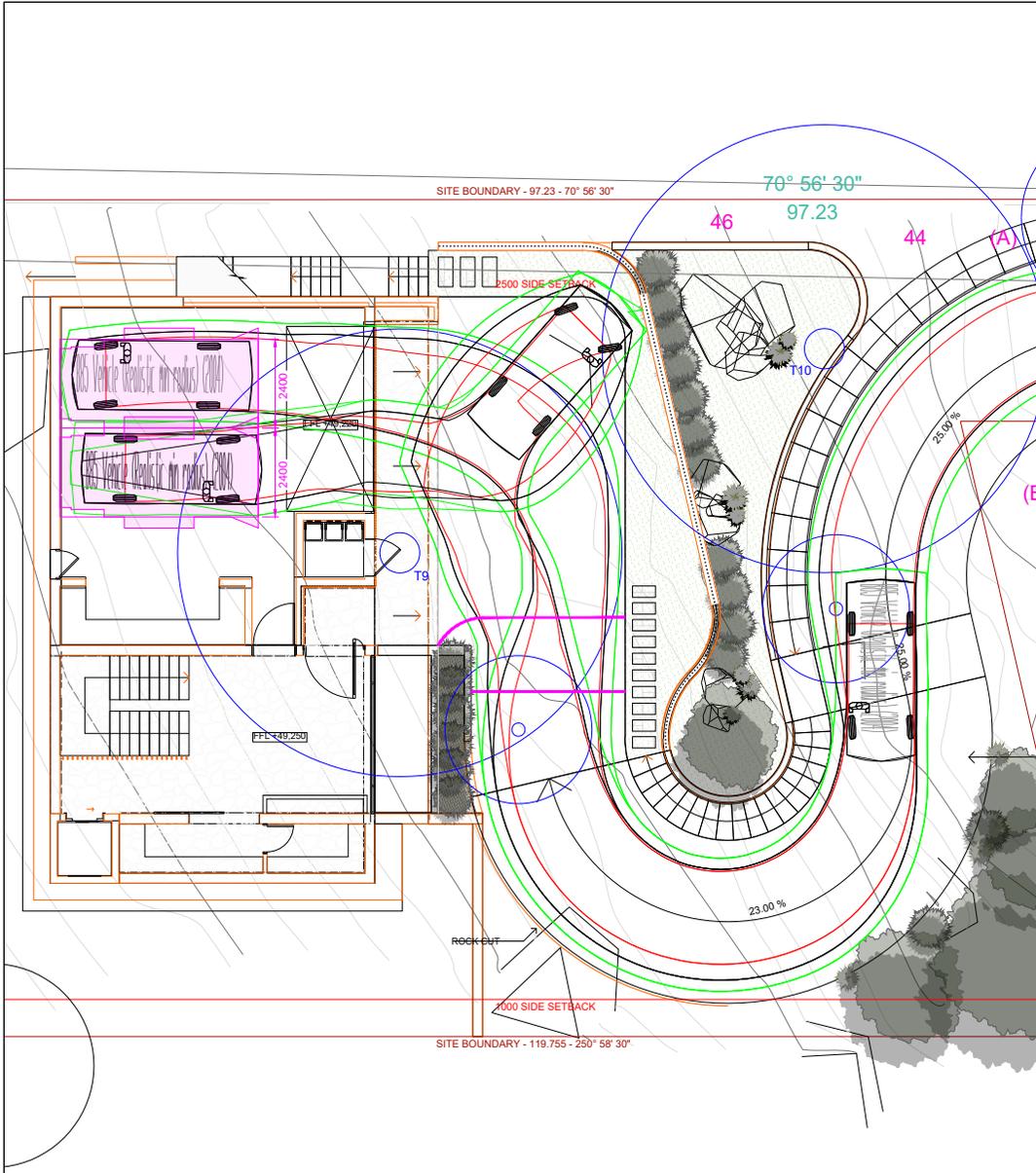
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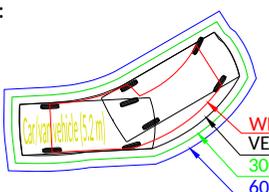
Dwg No 20097/01 | Rev. B | 01/03/2021

Client:  
Watershed Design

Proposed car park layout  
Design checks as per AS/NZS 2890 series



LEGEND:



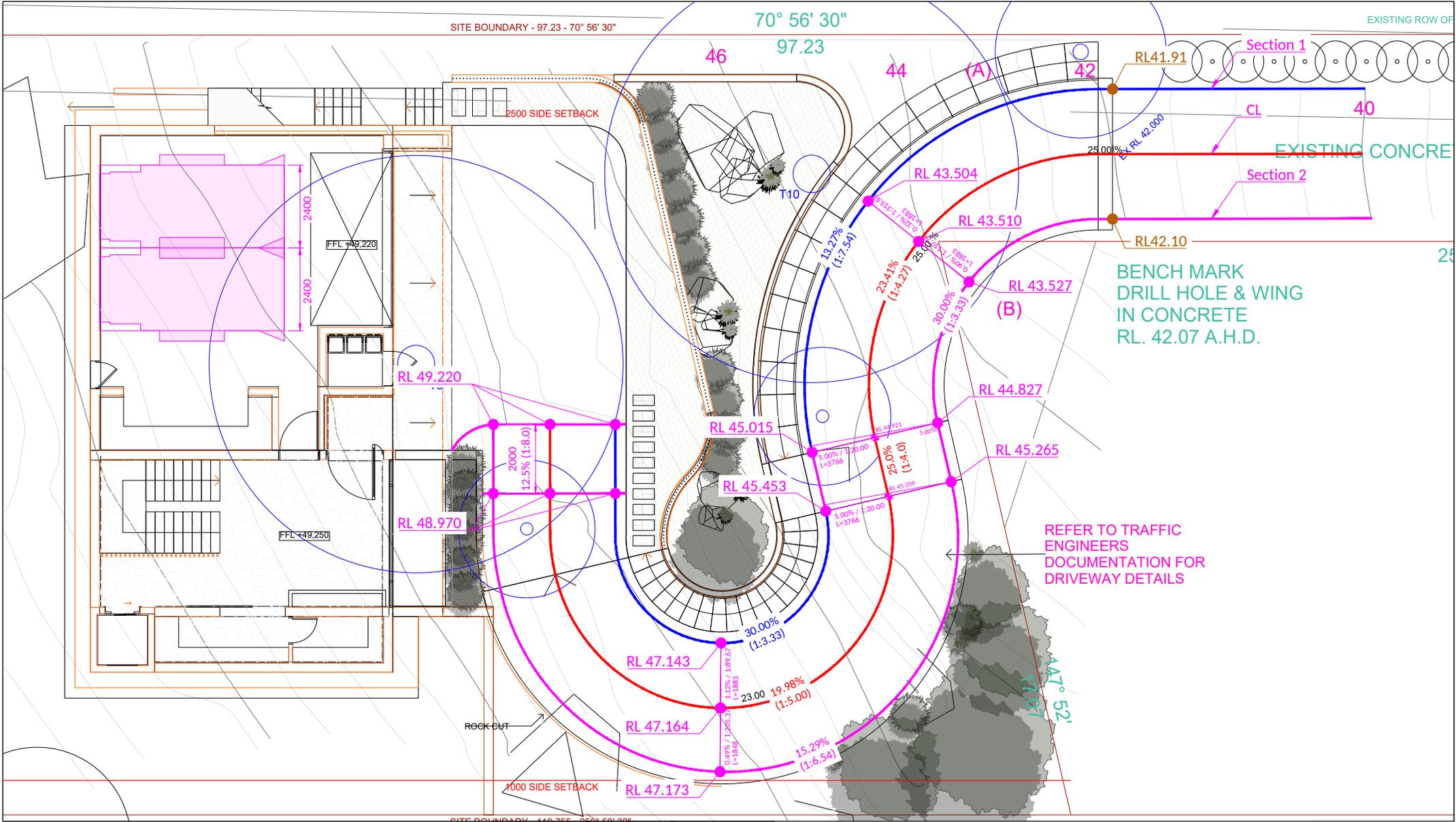
Dwg No 20097/02 | Rev. B | 01/03/2021

Client:  
Watershed Design

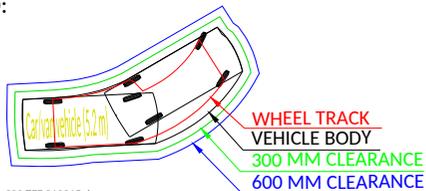
168 Whale Beach Road, Whale Beach NSW 2107

SCALE 1:200@A4

Proposed car park layout  
Design checks as per AS/NZS 2890 series



LEGEND:

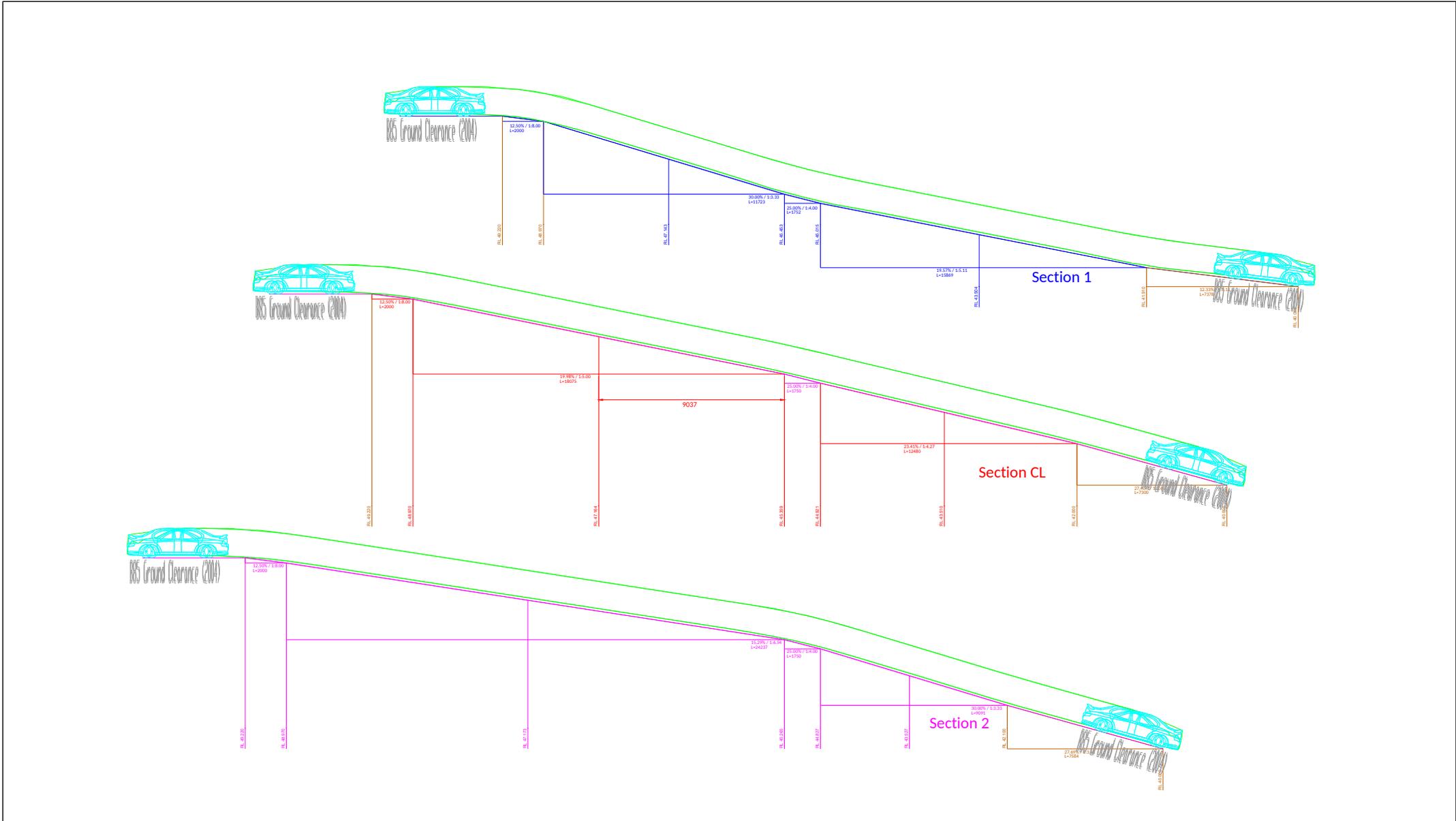


Dwg No 20097/03 | Rev. B | 01/03/2021  
 Client: Watershed Design

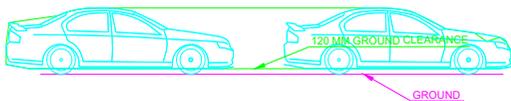
168 Whale Beach Road, Whale Beach NSW 2107

SCALE 1:150@A4

Proposed car park layout  
 Design checks as per AS/NZS 2890 series



LEGEND:



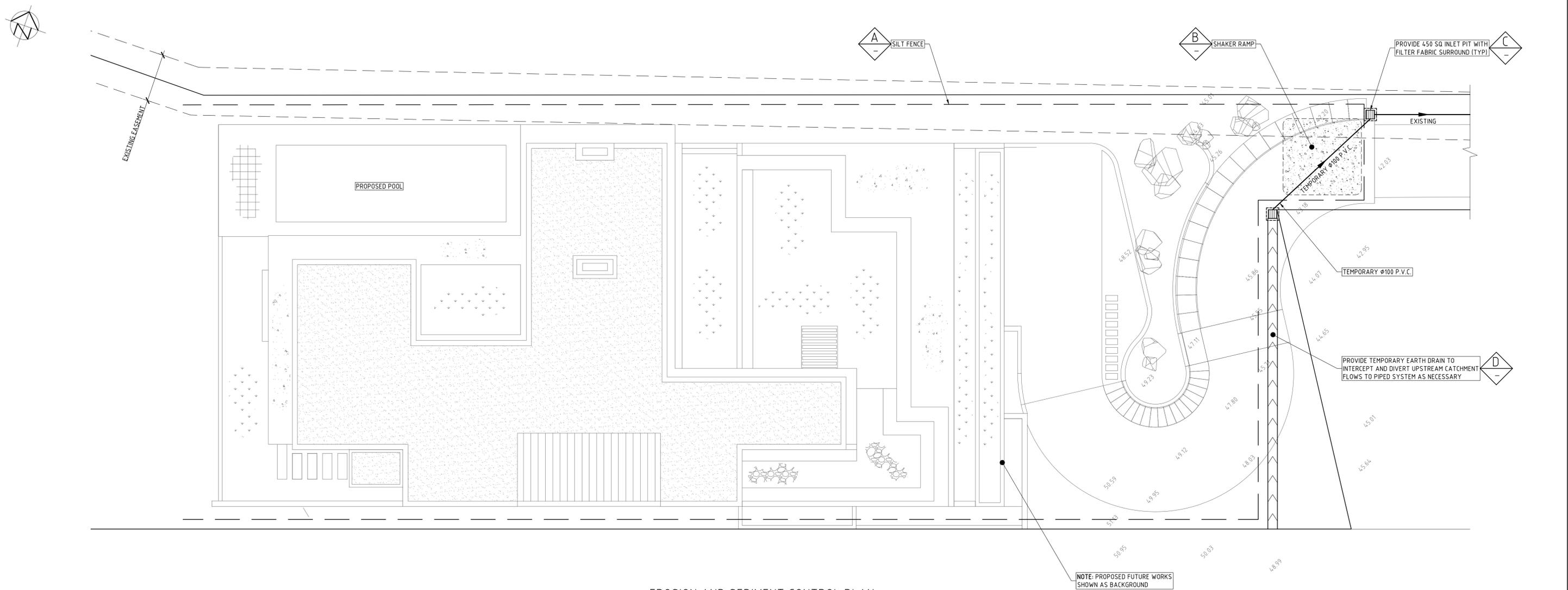
Dwg No 20097/04 | Rev. B | 01/03/2021

Client:  
Watershed Design

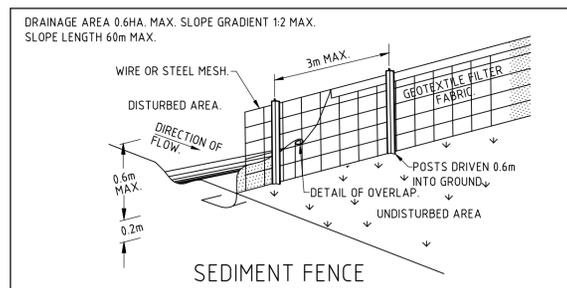
168 Whale Beach Road, Whale Beach NSW 2107

Proposed car park layout  
Design checks as per AS/NZS 2890 series

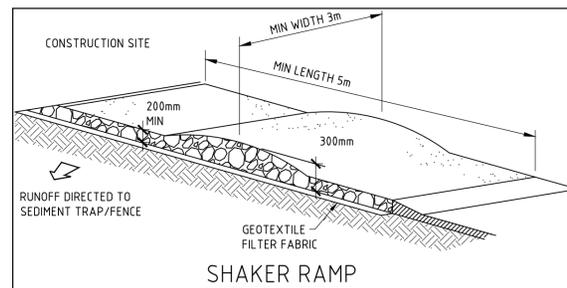
SCALE 1:250@A4



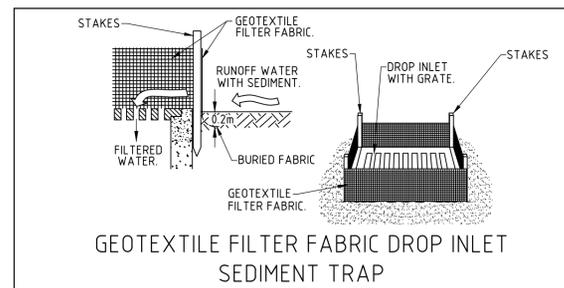
**EROSION AND SEDIMENT CONTROL PLAN**  
SCALE 1:100



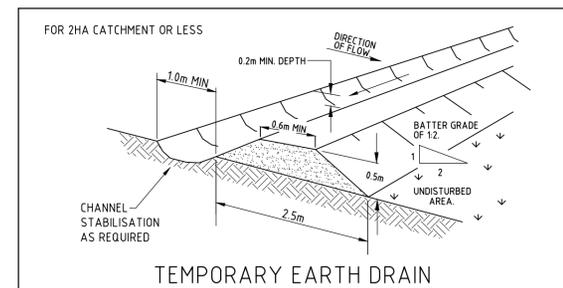
DETAIL **A**  
NOT TO SCALE



DETAIL **B**  
NOT TO SCALE



DETAIL **C**  
NOT TO SCALE



DETAIL **D**  
NOT TO SCALE

**SCHEDULE OF WORKS**

PLAN TO BE READ IN CONJUNCTION WITH DWG SHEET-1/A SITE STORMWATER MANAGEMENT PLAN

**DESCRIPTION**  
THE PROJECT IS THE PROVISION OF A NEW RESIDENTIAL DWELLING. THE TOTAL DISTURBED AREA IS APPROXIMATELY 0.11 Ha.

**EROSION**  
NO AREA IS TO BE DISTURBED OTHER THAN THAT DIRECTLY AFFECTED BY ACCESS, SITE REGRADING, SERVING, ROAD WORKS AND DRAINAGE WORKS. FOR ALL OTHER AREAS ENTRY IS PROHIBITED AND IS TO BE CLEARLY DEFINED WITH THE INSTALLATION OF BARRIER FENCING UPSTREAM WATER IS TO BE DIRECTED AROUND THE SITE WITHOUT CONTAMINATION.

**SEDIMENT CONTROL**  
CONTROL WILL BE VIA THE INSTALLATION OF SILT FENCES AS SHOWN ON PLAN. STOCK PILES ARE TO BE LOCATED IN AREAS SHOWN ON THE PLAN (CLEAR OF SERVING, WATERCOURSES, ROAD AND DRAINAGE WORKS) AND PROVIDED WITH SILT FENCES ON THEIR DOWNSTREAM SIDE.

**PHASING OF WORKS**

1. INSTALL ALL BARRIER AND SILT FENCING. BARRIER FENCING MAY BE ERECTED AND REMOVED AS NECESSARY TO SUIT STAGING OF WORKS.
2. INSTALL ALL TEMPORARY DRAINAGE STRUCTURES AS NECESSARY.
3. STRIP & STOCKPILE TOPSOIL.
4. UNDERTAKE SITE DEVELOPMENT.
5. AS EARTHWORKS ARE COMPLETED THESE AREAS ARE TO BE TOP-SOILED, SEEDED AND MULCHED OR PAVED WITHIN 20 WORKING DAYS.
6. ONLY AT THE COMPLETION OF WORKS AND STABILIZATION OF AREAS UPSTREAM ANY CONTROL DEVICES TO BE REMOVED.

| ISSUE DATE | REVISION |
|------------|----------|
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|---|-----------------------|--|---------------------|
| TITLE<br><b>EROSION AND SEDIMENT CONTROL PLAN</b><br><b>168 WHALE BEACH ROAD, WHALE BEACH</b> |                       |  |                     |
| DRAWN<br>MDB  | DATE<br>19 MARCH 2021 | CHECKED<br><i>[Signature]</i><br>BE Civil (Hons) MIE Aust. | SCALE @ A1<br>1:100 |

**TAYLOR CONSULTING**  
CIVIL & STRUCTURAL ENGINEERS

SHEET - 3