



# ACTION PLANS

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## DEVELOPMENT APPLICATION:REV A

SHEET NUMBER	SHEET NAME	DATE PUBLISHED
DA00	COVER	7/09/2020
DA01	SITE ANALYSIS	7/09/2020
DA02	SITE / ROOF / SEDIMENT EROSION / WASTE MANAGEMENT / STORMWATER CONCEPT PLAN	7/09/2020
DA03	EXISTING GROUND FLOOR PLAN	7/09/2020
DA04	PROPOSED GROUND FLOOR PLAN	7/09/2020
DA05	NORTH / EAST ELEVATION	7/09/2020
DA06	SOUTH / WEST ELEVATION	7/09/2020
DA07	LONG / CROSS SECTION	7/09/2020
DA08	AREA CALCULATIONS / SAMPLE BOARD	7/09/2020
DA09	WINTER SOLSTICE 9 AM	7/09/2020
DA10	WINTER SOLSTICE 12 PM	7/09/2020
DA11	WINTER SOLSTICE 3 PM	7/09/2020
DA12	BASIX COMMITMENTS	7/09/2020

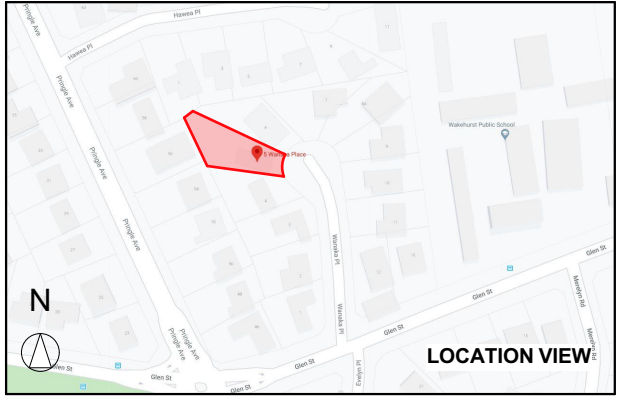
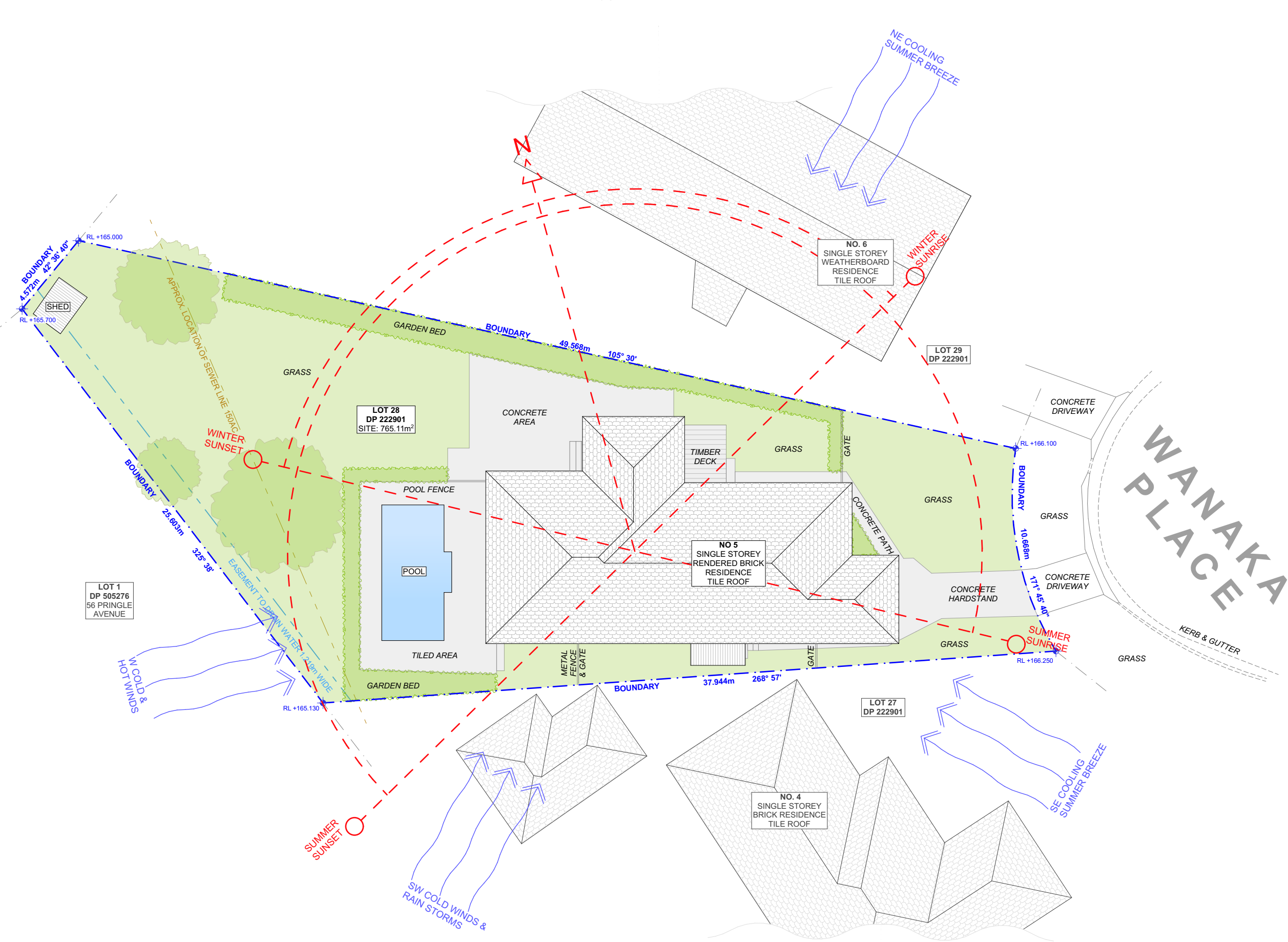
ITEM DETAILS	DEVELOPMENT APPLICATION			
ADDRESS	5 WANAKA PLACE, BELROSE NSW 2085			
LOT & DP/SP	LOT 28 DP 222901			
COUNCIL	NORTHERN BEACHES COUNCIL (WARRINGAH)			
SITE AREA	765.11m <sup>2</sup>			
FRONTAGE	CURVED 10.668m			
CONTROLS	PERMISSIBLE / REQUIRED	EXISTING	PROPOSED	COMPLIANCE
	m / m <sup>2</sup> / %	m / m <sup>2</sup> / %	m / m <sup>2</sup> / %	
LEP				
LAND ZONING	R2 – LOW DENSITY RESIDENTIAL	R2	R2	YES
MINIMUM LOT SIZE	600m <sup>2</sup>	765.11m <sup>2</sup>	UNCHANGED	YES
FLOOR SPACE RATIO	NOT IDENTIFEID	N/A	N/A	N/A
MAXIMUM BUILDING HEIGHT	8.5m	5.705m	UNCHANGED	YES
HAZARDS				
DEVELOPMENT ON SLOPING LAND	AREA A = SLOPE LESS THAN 5 DEGREES			PLEASE READ IN CONJUNCTION WITH STATEMENT OF ENVIRONMENTAL EFFECTS
DCP				
WALL HEIGHT	7.2m	3.318m	UNCHANGED	YES
NUMBER OF STOREYS	NOT IDENTIFEID	1	UNCHANGED	YES
SIDE BOUNDARY ENVELOPE	4m		UNCHANGED	YES
SIDE BOUNDARY SETBACKS	0.9m	N: 2.746m S: 0.749m	UNCHANGED	YES NO (EXISTING)
FRONT BOUNDARY SETBACK	6.5m	6.702m	UNCHANGED	YES
REAR BOUNDARY SETBACK	6.0m	9.310m	UNCHANGED	YES
LANDSCAPE OPEN SPACE	40% (306.04m <sup>2</sup> )	54.17% (414.49m <sup>2</sup> )	53.70% (410.9m <sup>2</sup> )	YES
PRIVATE OPEN SPACE	60m <sup>2</sup>	60m <sup>2</sup>	UNCHANGED	YES

## 5 Wanaka Place, Belrose NSW 2085



### NCC & AS COMPLIANCES SPECIFICATIONS

- EARTHWORKS - PART 3.1.1 OF NCC
- EARTH RETAINING STRUCTURES - PART 3.1.2 OF NCC
- DRAINAGE - PART 3.1.3 OF NCC
- TERMITE-RISK MANAGEMENT - PART 3.1.4 OF NCC
- FOOTINGS & SLAB - PART 3.2 OF NCC INCLUDING AS 2870-2011
- MASONRY - PART 3.3 OF NCC INCLUDING AS 3700:2018
- FRAMING - PART 3.4 OF NCC
- SUB FLOOR VENTILATION - PART 3.4.1 OF NCC
- ROOF CLADDING AND WALL-CLADDING - PART 3.5 OF NCC
- GLAZING - PART 3.6 OF NCC INCLUDING AS 1288
- FIRE SAFETY - PART 3.7 OF NCC
- FIRE SEPARATION OF EXTERNAL WALLS - PART 3.7.2 OF NCC
- FIRE PROTECTION OF SEPARATING WALLS AND FLOORS- PART 3.7.3 OF NCC
- SMOKE ALARMS - PART 3.7.5 OF NCC
- WET AREAS AND EXTERNAL WATERPROOFING - PART 3.8.1 OF NCC
- ROOM HEIGHTS - PART 3.8.2 OF NCC
- FACILITIES - PART 3.8.3 OF NCC
- LIGHT - PART 3.8.4 OF NCC
- VENTILATION - PART 3.8.5 OF NCC
- SOUND INSULATION - PART 3.8.6 OF NCC
- STAIRWAY AND RAMP CONSTRUCTION - PART 3.9.1 OF NCC
- BARRIERS AND HANDRAILS - PART 3.9.2 OF NCC
- SWIMMING POOLS - PART 3.10.1 OF NCC
- CONSTRUCTION IN BUSHFIRE PRONE AREAS - PART 3.10.5 OF NCC
- FENCING & OTHER PROVISIONS - REGS & AS1926.1 2012
- DEMOLITION WORKS - AS2601-2001 THE DEMOLITION OF STRUCTURES.
- WATERPROOFING OF WET AREAS TO COMPLY WITH AS 3740-2010
- ALL PLUMBING & DRAINAGE WORK TO COMPLY WITH AS 3500:2018
- ALL PLASTERBOARD WORK TO COMPLY WITH AS 2588:2018
- ALL STRUCTURAL STEEL WORK TO COMPLY WITH AS 4100-1992 & AS 1554
- ALL CONCRETE WORK TO COMPLY WITH AS 3600:2018
- ALL ROOF SHEETING WORK TO COMPLY WITH AS 1562.1-2018
- ALL SKYLIGHTS TO COMPLY WITH AS 4285-2019
- ALL CERAMIC TILING TO COMPLY WITH AS 3958.1-2007 & 3958.2-1992
- ALL GLAZING ASSEMBLIES TO COMPLY WITH AS 2047-2014 & 1288
- ALL TIMBER RETAINING WALLS ARE TO COMPLY WITH AS 1720.1-2010, AS 1720.2-2006, AS 1720.4-2006, AS 1170.1-2002 & AS 1170.4-2007
- ALL RETAINING WALLS ARE TO COMPLY WITH 3700:2018 & AS 3600:2018
- ALL CONSTRUCTION TO COMPLY WITH AS 3959:2018





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B	07/09/2020	REV A	RNA	

**LEGEND**

- SOFT LANDSCAPE
- HARD LANDSCAPE
- PROPOSED
- EXISTING
- DEMOLISHED

**EX. DP.** EXISTING DOWNPIPE

**PROP. DP.** PROPOSED DOWNPIPE

**CLIENT**

Liz Harmer

**PROJECT ADDRESS**

5 Wanaka Place, Belrose NSW 2085

**DRAWING NO.**

DA01

**DATE**

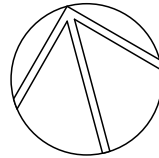
Monday, 7 September 2020

**DRAWING NAME**

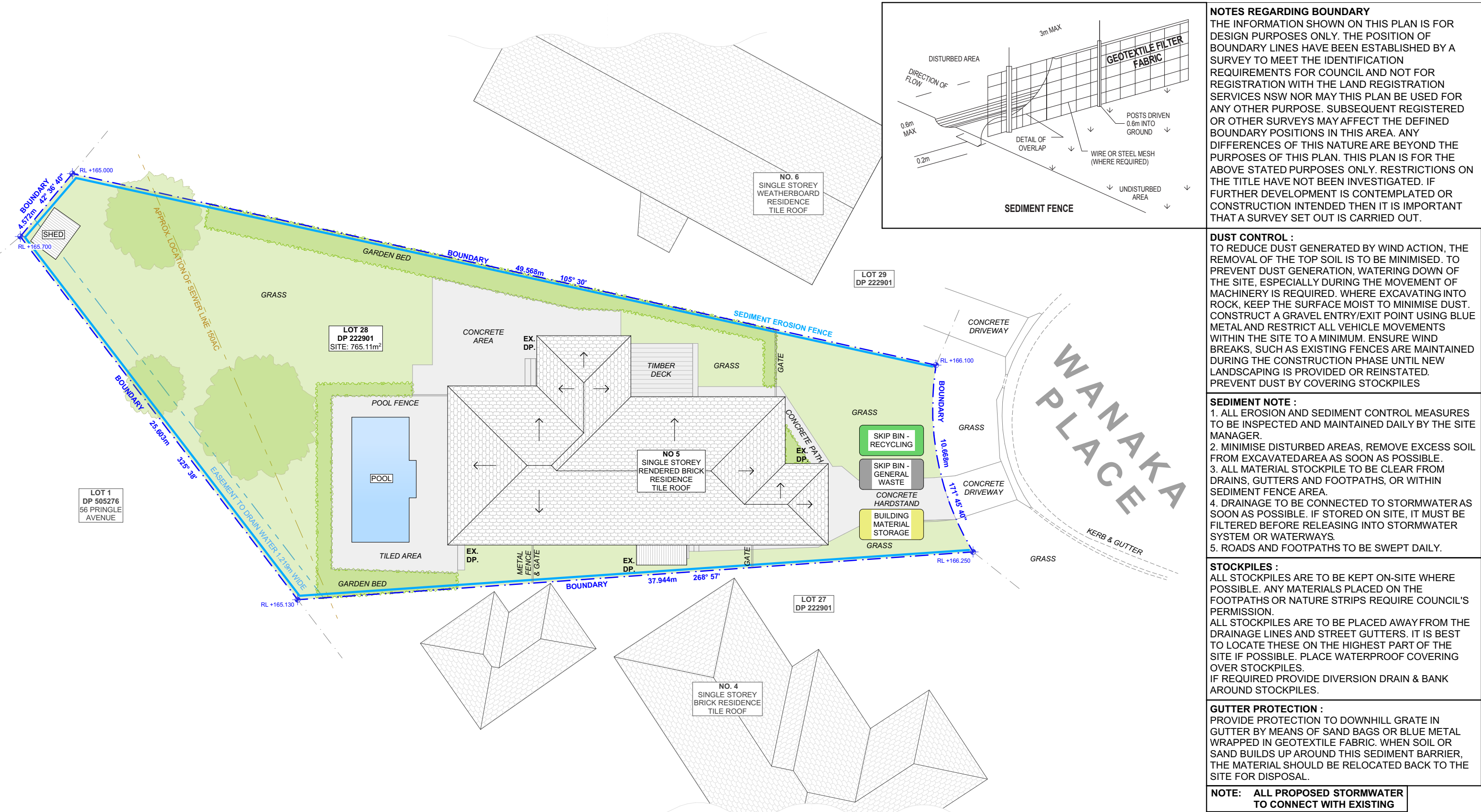
SITE ANALYSIS

**SCALE**

1:200 @A3







**NOTES REGARDING BOUNDARY**  
THE INFORMATION SHOWN ON THIS PLAN IS FOR DESIGN PURPOSES ONLY. THE POSITION OF BOUNDARY LINES HAVE BEEN ESTABLISHED BY A SURVEY TO MEET THE IDENTIFICATION REQUIREMENTS FOR COUNCIL AND NOT FOR REGISTRATION WITH THE LAND REGISTRATION SERVICES NSW NOR MAY THIS PLAN BE USED FOR ANY OTHER PURPOSE. SUBSEQUENT REGISTERED OR OTHER SURVEYS MAY AFFECT THE DEFINED BOUNDARY POSITIONS IN THIS AREA. ANY DIFFERENCES OF THIS NATURE ARE BEYOND THE PURPOSES OF THIS PLAN. THIS PLAN IS FOR THE ABOVE STATED PURPOSES ONLY. RESTRICTIONS ON THE TITLE HAVE NOT BEEN INVESTIGATED. IF FURTHER DEVELOPMENT IS CONTEMPLATED OR CONSTRUCTION INTENDED THEN IT IS IMPORTANT THAT A SURVEY SET OUT IS CARRIED OUT.

**DUST CONTROL :**  
TO REDUCE DUST GENERATED BY WIND ACTION, THE REMOVAL OF THE TOP SOIL IS TO BE MINIMISED. TO PREVENT DUST GENERATION, WATERING DOWN OF THE SITE, ESPECIALLY DURING THE MOVEMENT OF MACHINERY IS REQUIRED. WHERE EXCAVATING INTO ROCK, KEEP THE SURFACE MOIST TO MINIMISE DUST. CONSTRUCT A GRAVEL ENTRY/EXIT POINT USING BLUE METAL AND RESTRICT ALL VEHICLE MOVEMENTS WITHIN THE SITE TO A MINIMUM. ENSURE WIND BREAKS, SUCH AS EXISTING FENCES ARE MAINTAINED DURING THE CONSTRUCTION PHASE UNTIL NEW LANDSCAPING IS PROVIDED OR REINSTATED. PREVENT DUST BY COVERING STOCKPILES


**SEDIMENT NOTE :**  
1. ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE INSPECTED AND MAINTAINED DAILY BY THE SITE MANAGER.  
2. MINIMISE DISTURBED AREAS, REMOVE EXCESS SOIL FROM EXCAVATED AREA AS SOON AS POSSIBLE.  
3. ALL MATERIAL STOCKPILE TO BE CLEAR FROM DRAINS, GUTTERS AND FOOTPATHS, OR WITHIN SEDIMENT FENCE AREA.  
4. DRAINAGE TO BE CONNECTED TO STORMWATER AS SOON AS POSSIBLE. IF STORED ON SITE, IT MUST BE FILTERED BEFORE RELEASING INTO STORMWATER SYSTEM OR WATERWAYS.  
5. ROADS AND FOOTPATHS TO BE SWEEPED DAILY.

**STOCKPILES :**  
ALL STOCKPILES ARE TO BE KEPT ON-SITE WHERE POSSIBLE. ANY MATERIALS PLACED ON THE FOOTPATHS OR NATURE STRIPS REQUIRE COUNCIL'S PERMISSION.  
ALL STOCKPILES ARE TO BE PLACED AWAY FROM THE DRAINAGE LINES AND STREET GUTTERS. IT IS BEST TO LOCATE THESE ON THE HIGHEST PART OF THE SITE IF POSSIBLE. PLACE WATERPROOF COVERING OVER STOCKPILES.  
IF REQUIRED PROVIDE DIVERSION DRAIN & BANK AROUND STOCKPILES.

**GUTTER PROTECTION :**  
PROVIDE PROTECTION TO DOWNHILL GRATE IN GUTTER BY MEANS OF SAND BAGS OR BLUE METAL WRAPPED IN GEOTEXTILE FABRIC. WHEN SOIL OR SAND BUILDS UP AROUND THIS SEDIMENT BARRIER, THE MATERIAL SHOULD BE RELOCATED BACK TO THE SITE FOR DISPOSAL.

**NOTE:** ALL PROPOSED STORMWATER TO CONNECT WITH EXISTING

1 SITE / ROOF / SEDIMENT EROSION / WASTE MANAGEMENT / STORMWATER CONCEPT PLAN 1:200



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B	07/09/2020	REV A	RNA	

**LEGEND**

	SOFT LANDSCAPE		EXISTING DOWNPIPE
	HARD LANDSCAPE		PROPOSED DOWNPIPE
	PROPOSED		
	EXISTING		
	DEMOLISHED		

**CLIENT**  
Liz Harmer

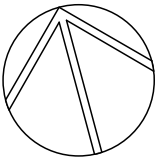
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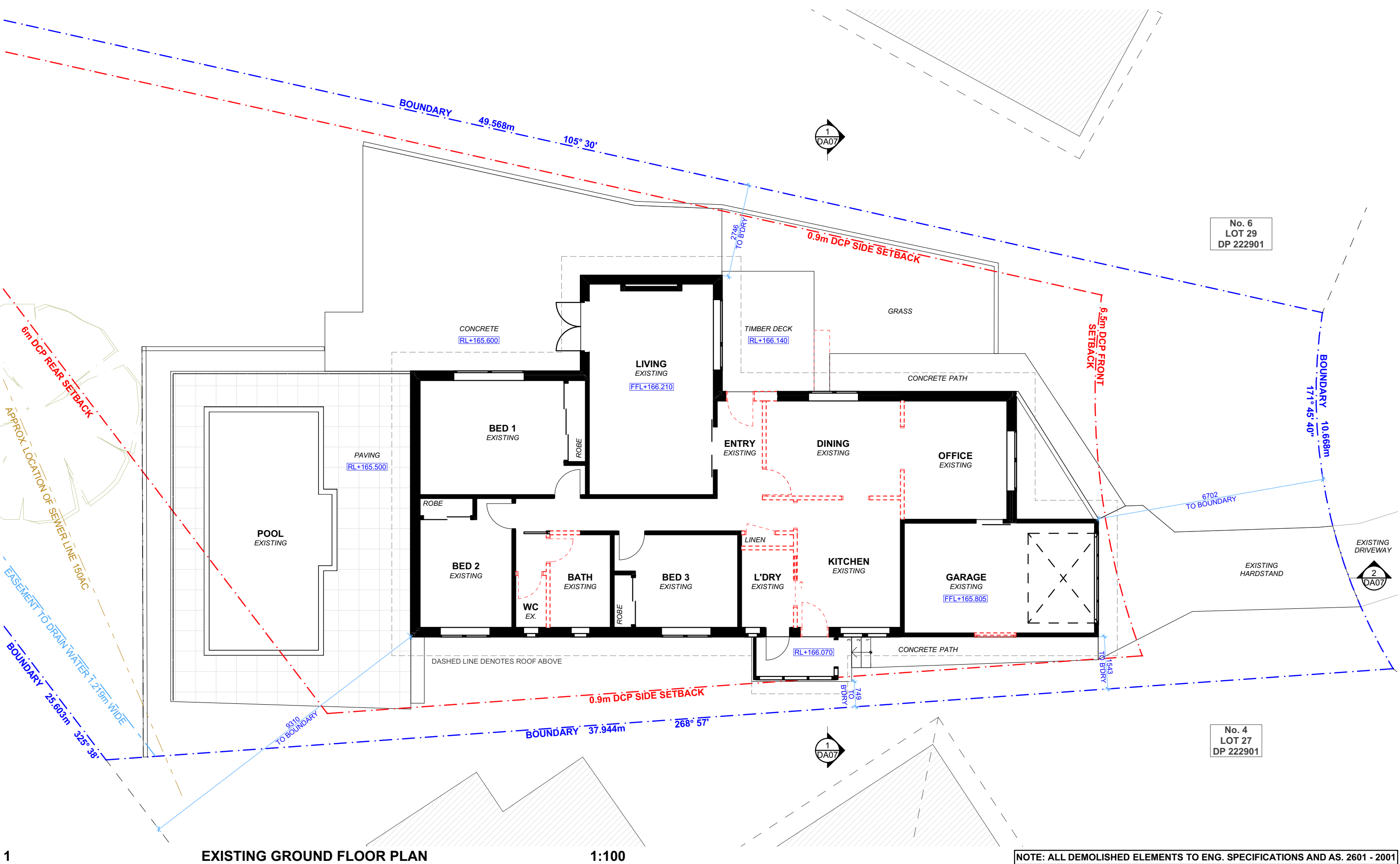
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DA02

**DATE**  
Monday, 7 September 2020

**DRAWING NAME**  
SITE / ROOF / SEDIMENT EROSION / WASTE MANAGEMENT / STORMWATER CONCEPT PLAN

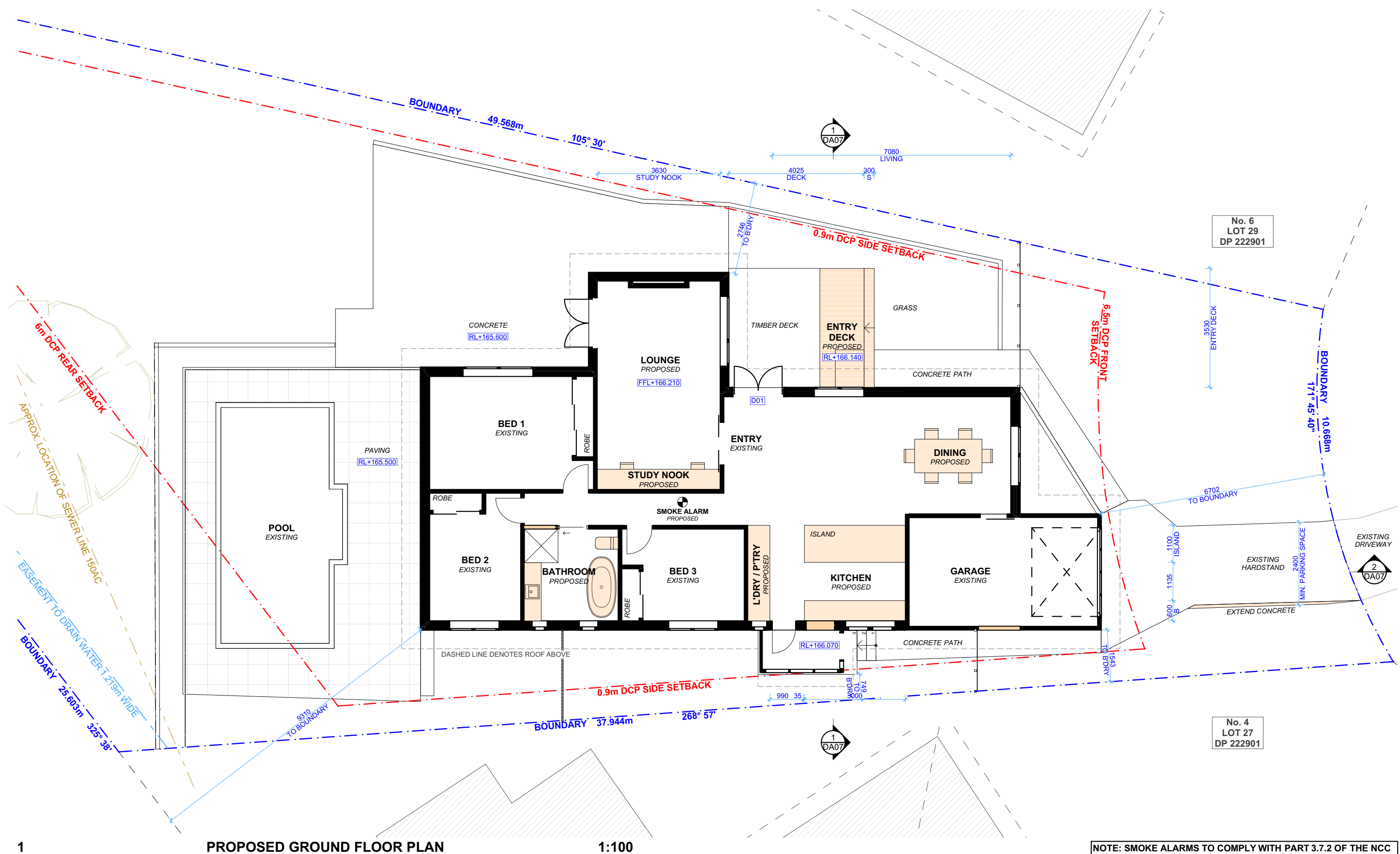
**SCALE**  
1:200 @A3





1 EXISTING GROUND FLOOR PLAN 1:100

NOTE: ALL DEMOLISHED ELEMENTS TO ENG. SPECIFICATIONS AND AS. 2601 - 2001



1

PROPOSED GROUND FLOOR PLAN

1:100

NOTE: SMOKE ALARMS TO COMPLY WITH PART 3.7.2 OF THE NCC



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B	07/09/2020	REV A	RNA	

LEGEND

EXISTING

PROPOSED

DEMOLISHED

CLIENT

Liz Harmer

PROJECT ADDRESS

5 Wanaka Place, Belrose  
NSW 2085

DRAWING NO.

DA04

DATE

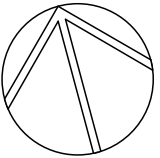
Monday, 7 September  
2020

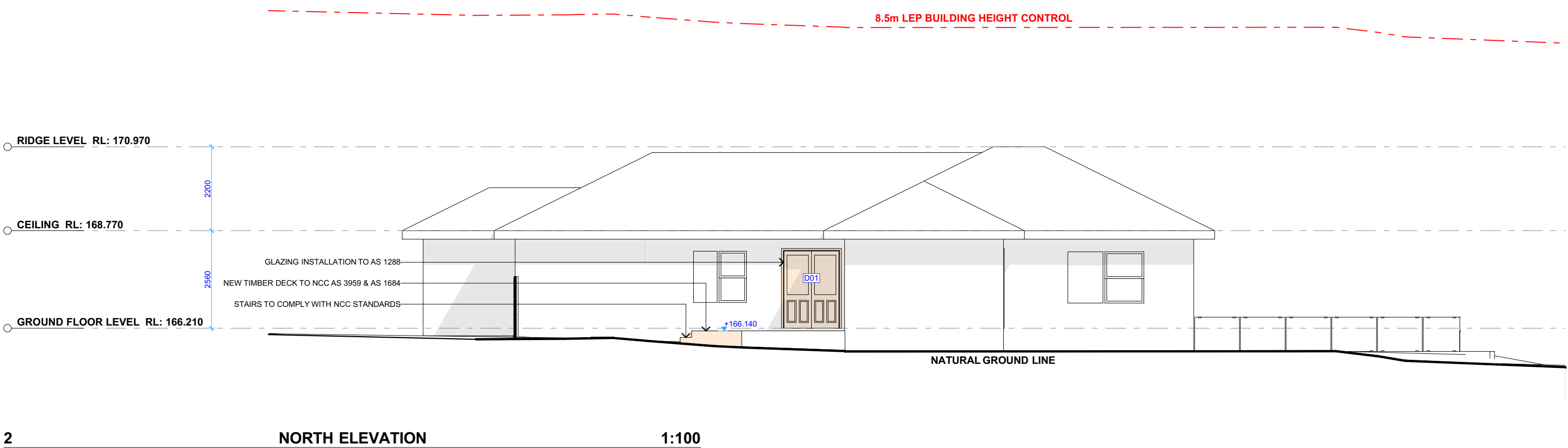
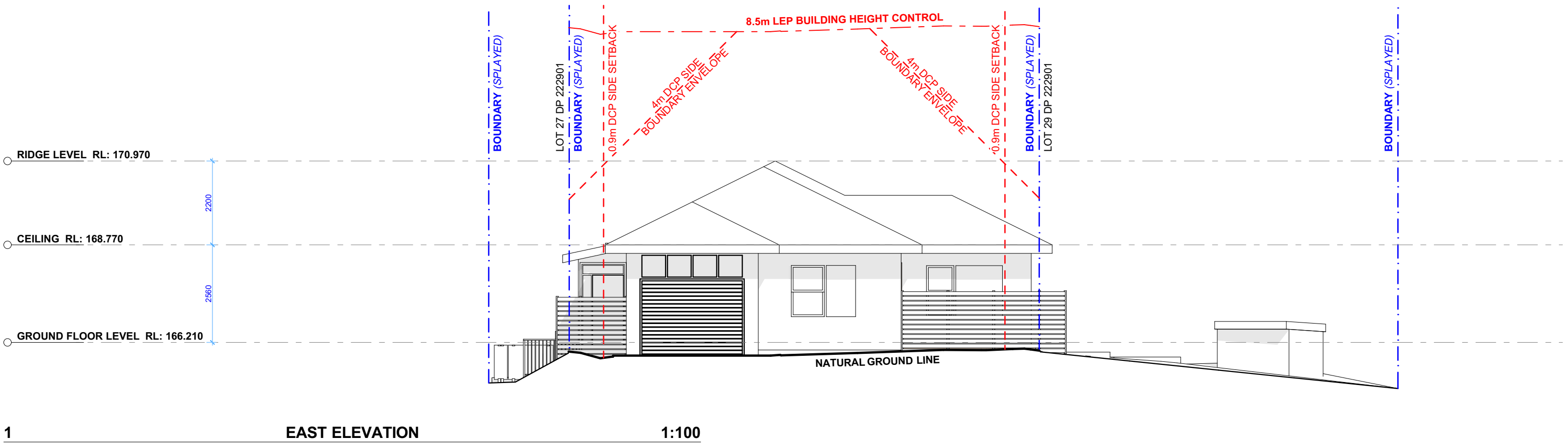
DRAWING NAME

PROPOSED GROUND FLOOR PLAN

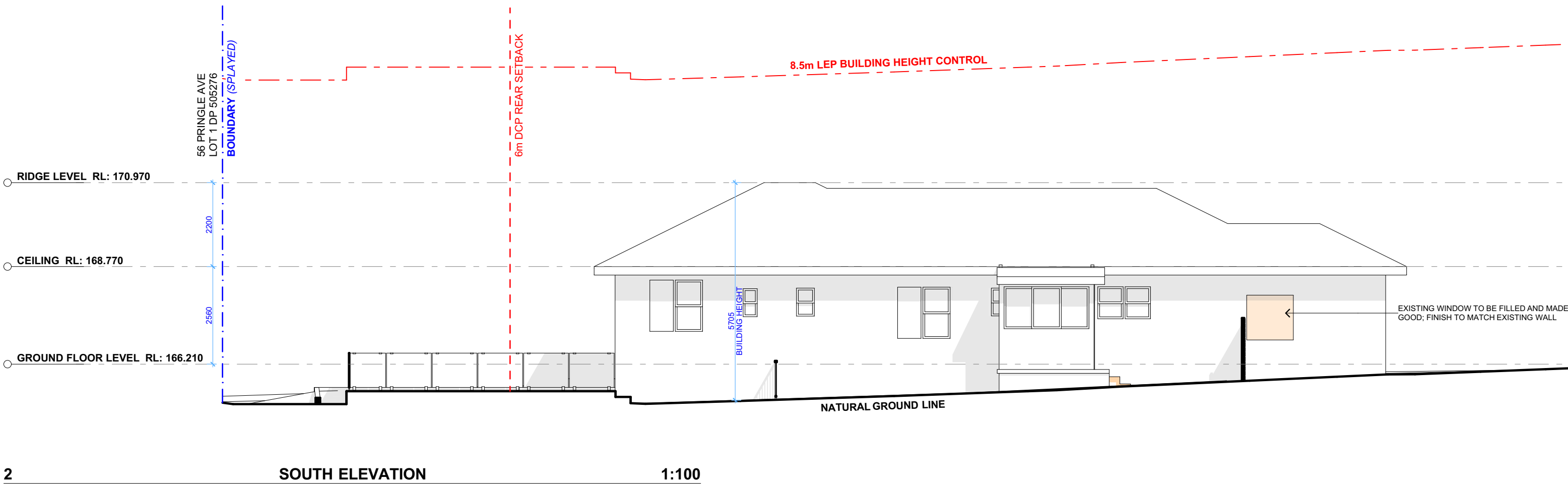
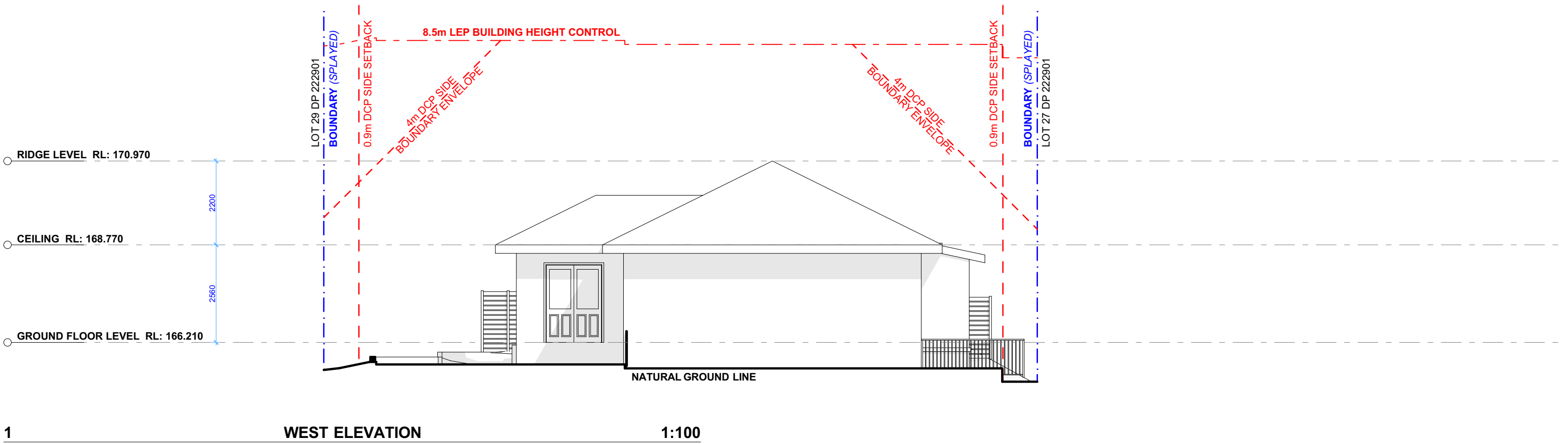
SCALE

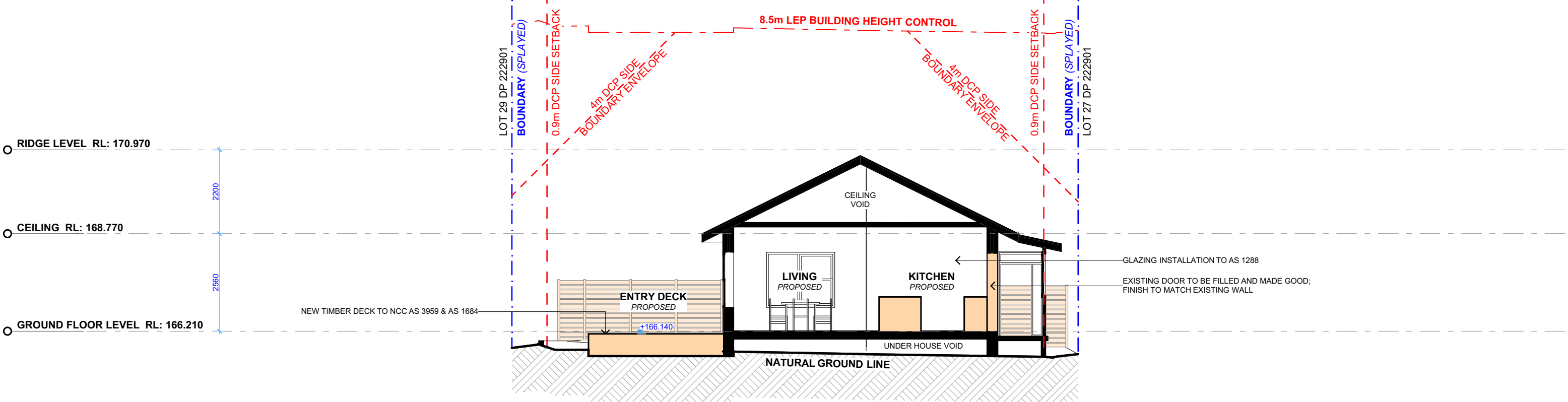
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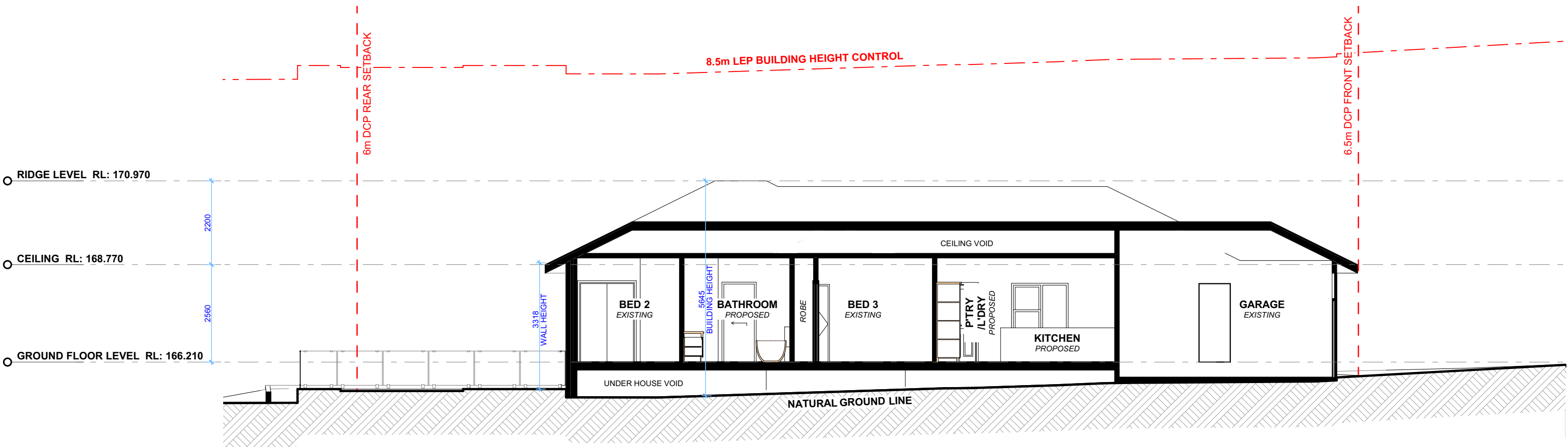








1 CROSS SECTION 1:100

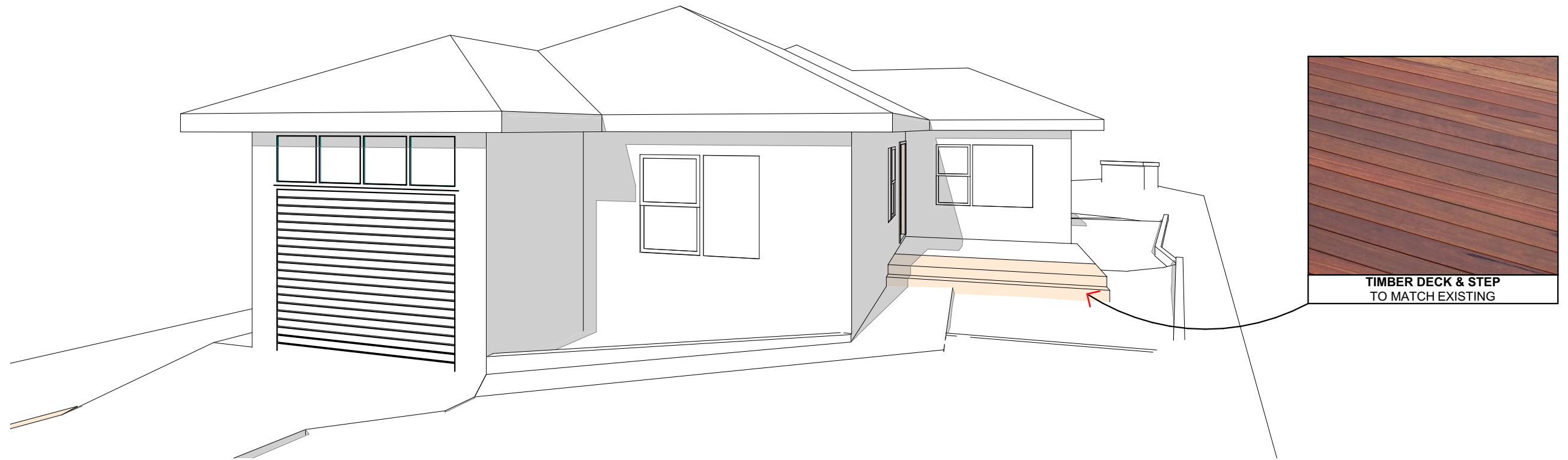


2 LONG SECTION 2:100



1

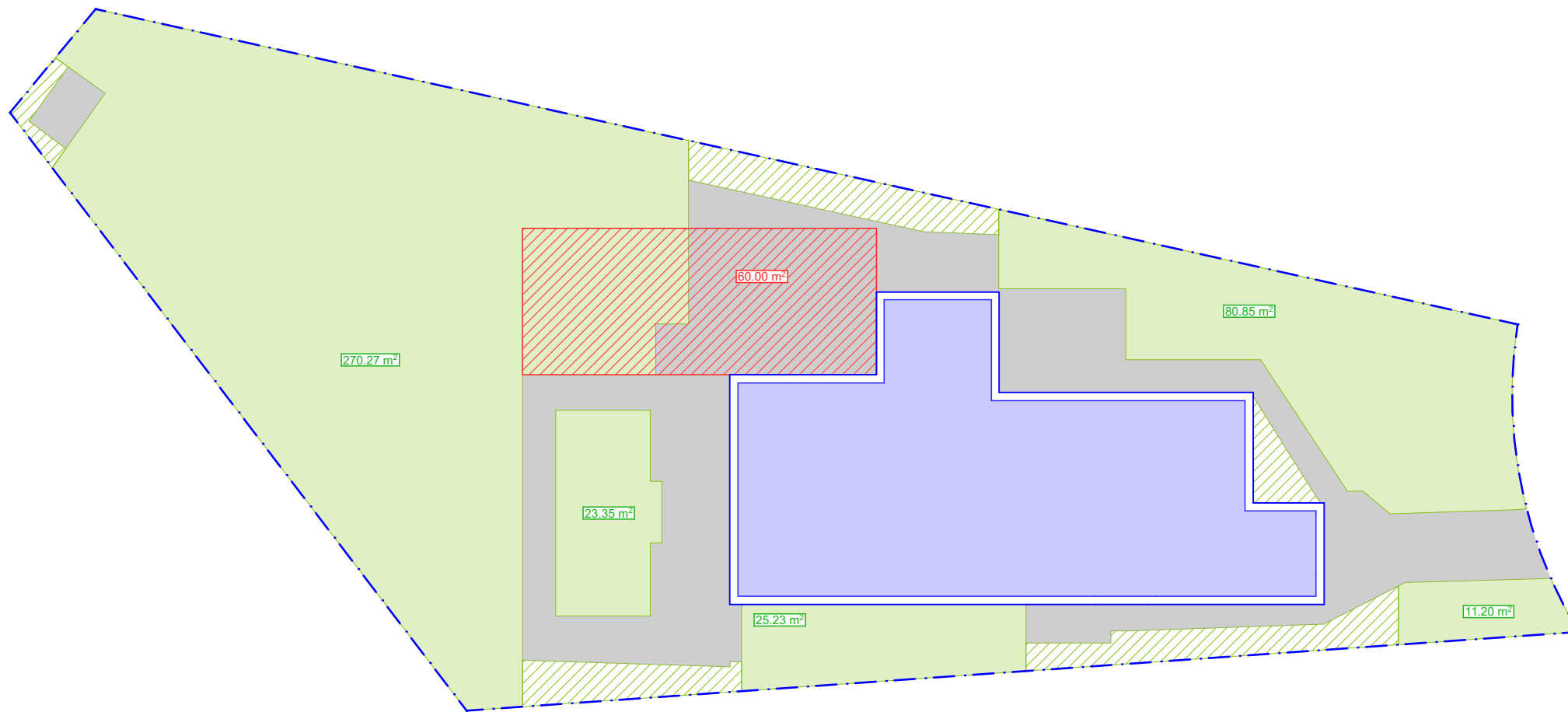
SAMPLE BOARD



2

PROPOSED AREA CALCULATIONS

1:200



CONTROL AREA CALCULATIONS



**SITE AREA**  
SIZE: 765.11m<sup>2</sup>



**LANDSCAPED AREA**  
REQUIRED: 40% (306.04m<sup>2</sup>)

EXISTING: 54.17% (414.49m<sup>2</sup>)  
PROPOSED: 53.70% (410.90m<sup>2</sup>)



**PRIVATE OPEN SPACE**  
REQUIRED: 60m<sup>2</sup>

EXISTING: 60m<sup>2</sup>  
PROPOSED: UNCHANGED



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**LEGEND**

**CLIENT**  
Liz Harmer

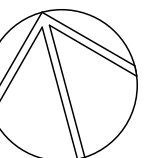
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NSW 2085

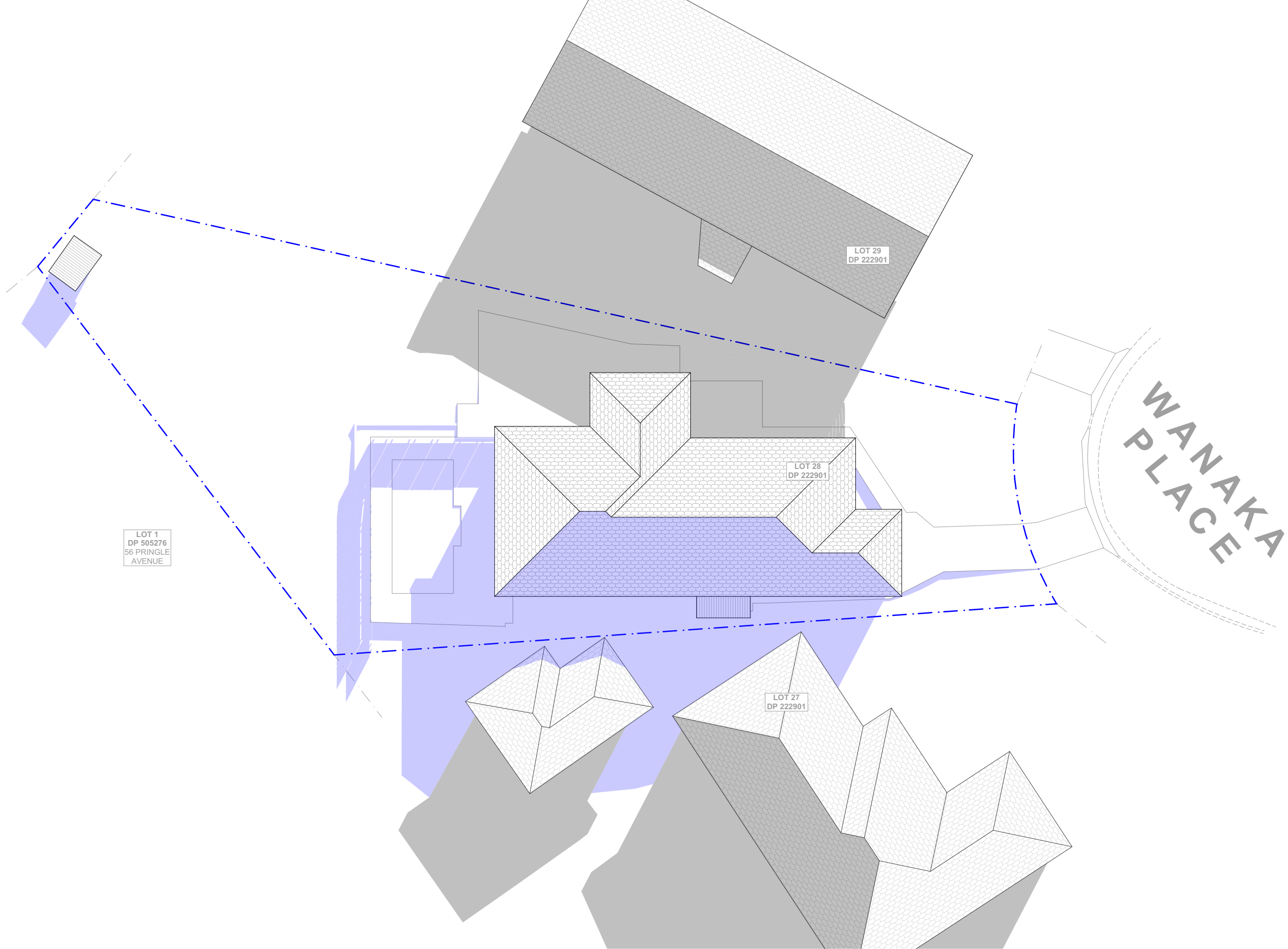
**DRAWING NO.**  
**DA08**

**DATE**  
Monday, 7 September  
2020

**DRAWING NAME**  
AREA CALCULATIONS /  
SAMPLE BOARD

**SCALE**  
1:200 @A3





1

WINTER SOLSTICE 9AM

1:200



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LEGEND	
	EXISTING SHADOWS
	PROPOSED SHADOWS
	NEIGHBOURING SHADOWS

**CLIENT**  
Liz Harmer

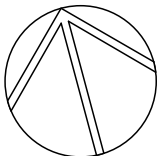
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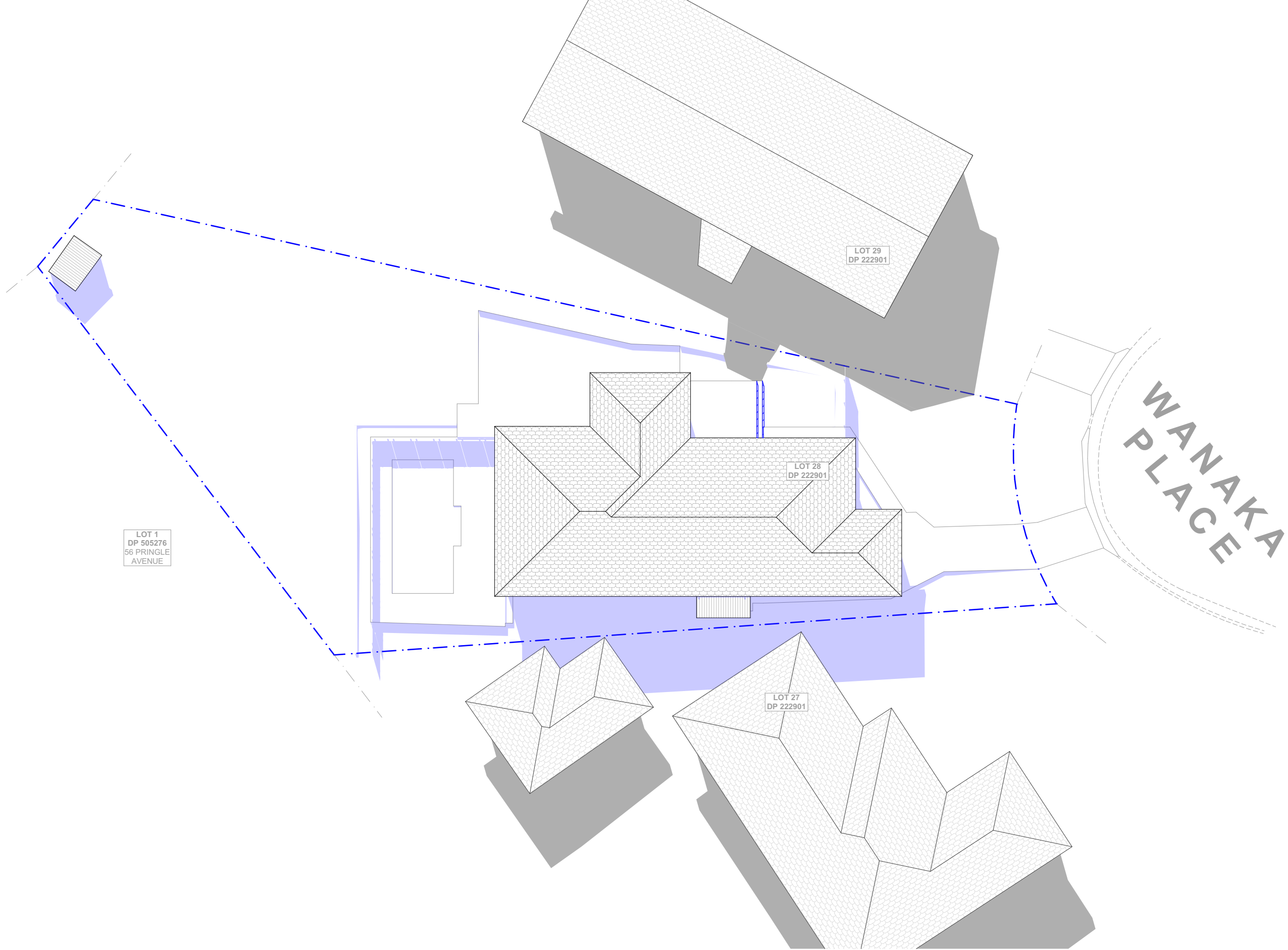
**DRAWING NO.**  
DA09

**DATE**  
Monday, 7 September  
2020

**DRAWING NAME**  
WINTER SOLSTICE 9 AM

**SCALE**  
1:200 @A3





1

WINTER SOLSTICE 12PM




1:200



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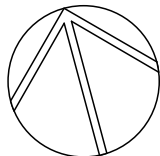
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LEGEND	
	EXISTING SHADOWS
	PROPOSED SHADOWS
	NEIGHBOURING SHADOWS

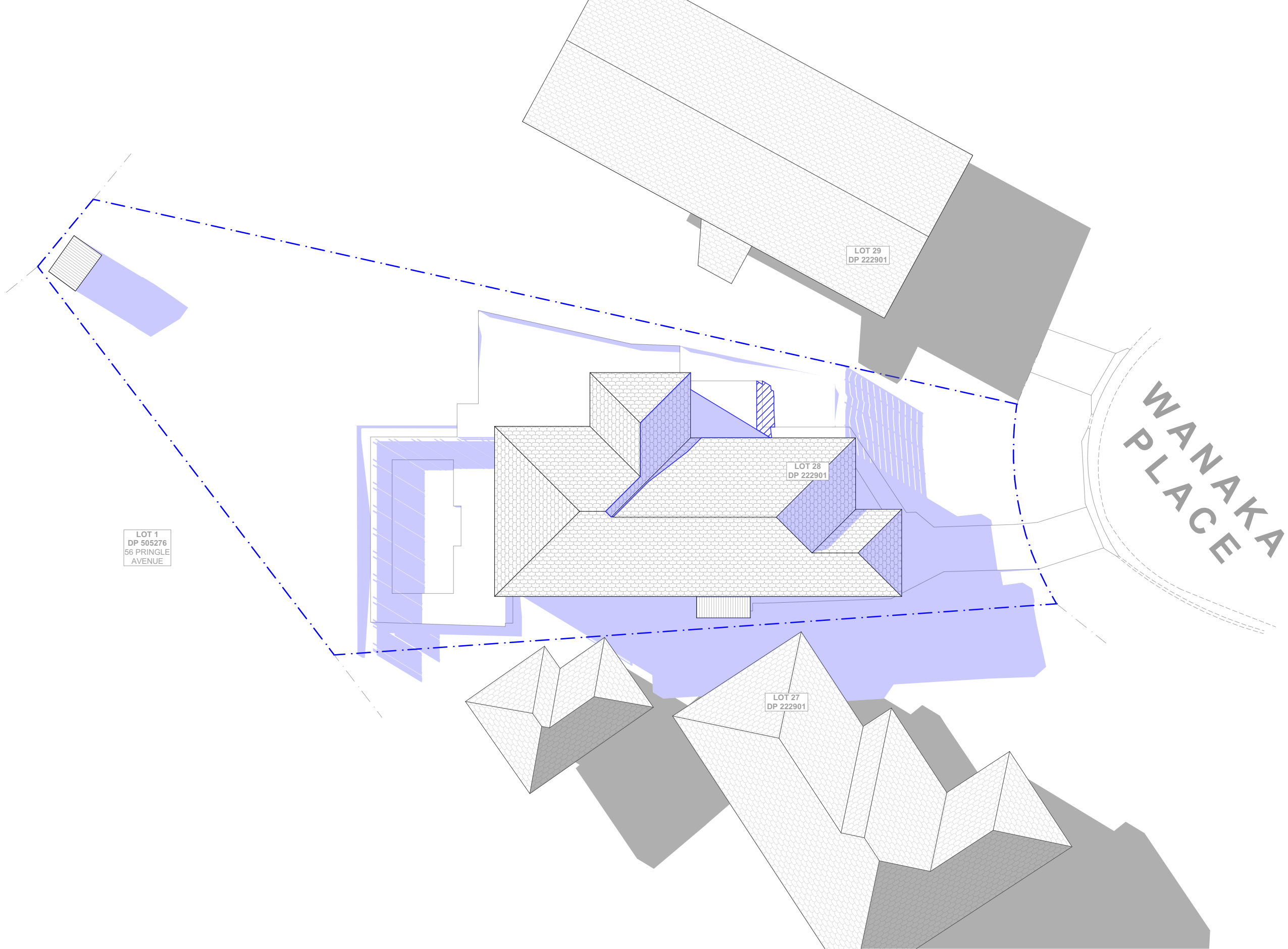
**CLIENT**  
Liz Harmer  
  
**PROJECT ADDRESS**  
5 Wanaka Place, Belrose  
NSW 2085

**DRAWING NO.**  
**DA10**  
  
**DATE**  
Monday, 7 September  
2020

**DRAWING NAME**  
WINTER SOLSTICE 12 PM  
  
**SCALE**  
1:200 @A3







1

WINTER SOLSTICE 3PM




1:200



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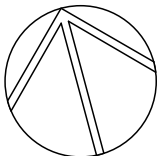
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LEGEND
 EXISTING SHADOWS
 PROPOSED SHADOWS
 NEIGHBOURING SHADOWS

**CLIENT**  
Liz Harmer  
  
**PROJECT ADDRESS**  
5 Wanaka Place, Belrose  
NSW 2085

**DRAWING NO.**  
**DA11**  
  
**DATE**  
Monday, 7 September  
2020

**DRAWING NAME**  
WINTER SOLSTICE 3 PM  
  
**SCALE**  
1:200 @A3



Alterations and Additions

Certificate number: A382300

This certificate confirms that the proposed development will meet the NSW government's requirements for sustainability, if it is built in accordance with the commitments set out below. Terms used in this certificate, or in the commitments, have the meaning given by the document entitled "BASIX Alterations and Additions Definitions" dated 06/10/2017 published by the Department. This document is available at www.basix.nsw.gov.au

Secretary  
Date of issue: Monday, 06, July 2020  
To be valid, this certificate must be lodged within 3 months of the date of issue.



Description of project

Project address	
Project name	5 Wanaka Place Belrose
Street address	5 Wanaka Place Belrose 2085
Local Government Area	Northern Beaches Council
Plan type and number	Deposited Plan 222901
Lot number	28
Section number	
Project type	
Dwelling type	Separate dwelling house
Type of alteration and addition	My renovation work is valued at \$50,000 or more, and does not include a pool (and/or spa).

<b>Certificate Prepared by</b> (please complete before submitting to Council or PCA)
Name / Company Name: Action Plans
ABN (if applicable): 17118297587

Fixtures and systems	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Lighting		✓	✓
The applicant must ensure a minimum of 40% of new or altered light fixtures are fitted with fluorescent, compact fluorescent, or light-emitting-diode (LED) lamps.			
Fixtures		✓	✓
The applicant must ensure new or altered showerheads have a flow rate no greater than 9 litres per minute or a 3 star water rating.			
The applicant must ensure new or altered toilets have a flow rate no greater than 4 litres per average flush or a minimum 3 star water rating.			
The applicant must ensure new or altered taps have a flow rate no greater than 9 litres per minute or minimum 3 star water rating.			

Construction	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Insulation requirements		✓	✓
The applicant must construct the new or altered construction (floor(s), walls, and ceilings/roofs) in accordance with the specifications listed in the table below, except that a) additional insulation is not required where the area of new construction is less than 2m2, b) insulation specified is not required for parts of altered construction where insulation already exists.			
Construction	Additional insulation required (R-value)	Other specifications	
floor above existing dwelling or building.	nil		

Glazing requirements	Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check			
Windows and glazed doors						
<p>The applicant must install the windows, glazed doors and shading devices, in accordance with the specifications listed in the table below. Relevant overshadowing specifications must be satisfied for each window and glazed door.</p> <p>The following requirements must also be satisfied in relation to each window and glazed door:</p> <p>Each window or glazed door with standard aluminium or timber frames and single clear or toned glass may either match the description, or, have a U-value and a Solar Heat Gain Coefficient (SHGC) no greater than that listed in the table below. Total system U-values and SHGCs must be calculated in accordance with National Fenestration Rating Council (NFRC) conditions.</p> <p>For projections described in millimetres, the leading edge of each eave, pergola, verandah, balcony or awning must be no more than 500 mm above the head of the window or glazed door and no more than 2400 mm above the sill.</p> <p>Pergolas with polycarbonate roof or similar translucent material must have a shading coefficient of less than 0.35.</p> <p>Pergolas with fixed battens must have battens parallel to the window or glazed door above which they are situated, unless the pergola also shades a perpendicular window. The spacing between battens must not be more than 50 mm.</p>	<div>✓</div>	<div>✓</div> <div>✓</div> <div>✓</div>	<div>✓</div> <div>✓</div> <div>✓</div>			
<b>Windows and glazed doors glazing requirements</b>						
Window / door no.	Orientation	Area of glass inc. frame (m2)	Overshadowing		Shading device	Frame and glass type
			Height (m)	Distance (m)		
D1	N	1.67	0	0	eave/verandah/pergola/balcony >=600 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)
W1	E	2.16	0	0	eave/verandah/pergola/balcony >=600 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)

Legend
In these commitments, "applicant" means the person carrying out the development.
Commitments identified with a "✓" in the "Show on DA plans" column must be shown on the plans accompanying the development application for the proposed development (if a development application is to be lodged for the proposed development).
Commitments identified with a "✓" in the "Show on CC/CDC plans & specs" column must be shown in the plans and specifications accompanying the application for a construction certificate / complying development certificate for the proposed development.
Commitments identified with a "✓" in the "Certifier check" column must be certified by a certifying authority as having been fulfilled, before a final occupation certificate for the development may be issued.