

FERN GULLY HOUSE

ALTERATIONS AND ADDITIONS

Matthew and Emma Smith  
87 Wallumatta Road  
NEWPORT NSW 2106

Lot 15 DP 13746

DEVELOPMENT APPLICATION SUBMISSION

Submission to Northern Beaches Council  
05/06/2020

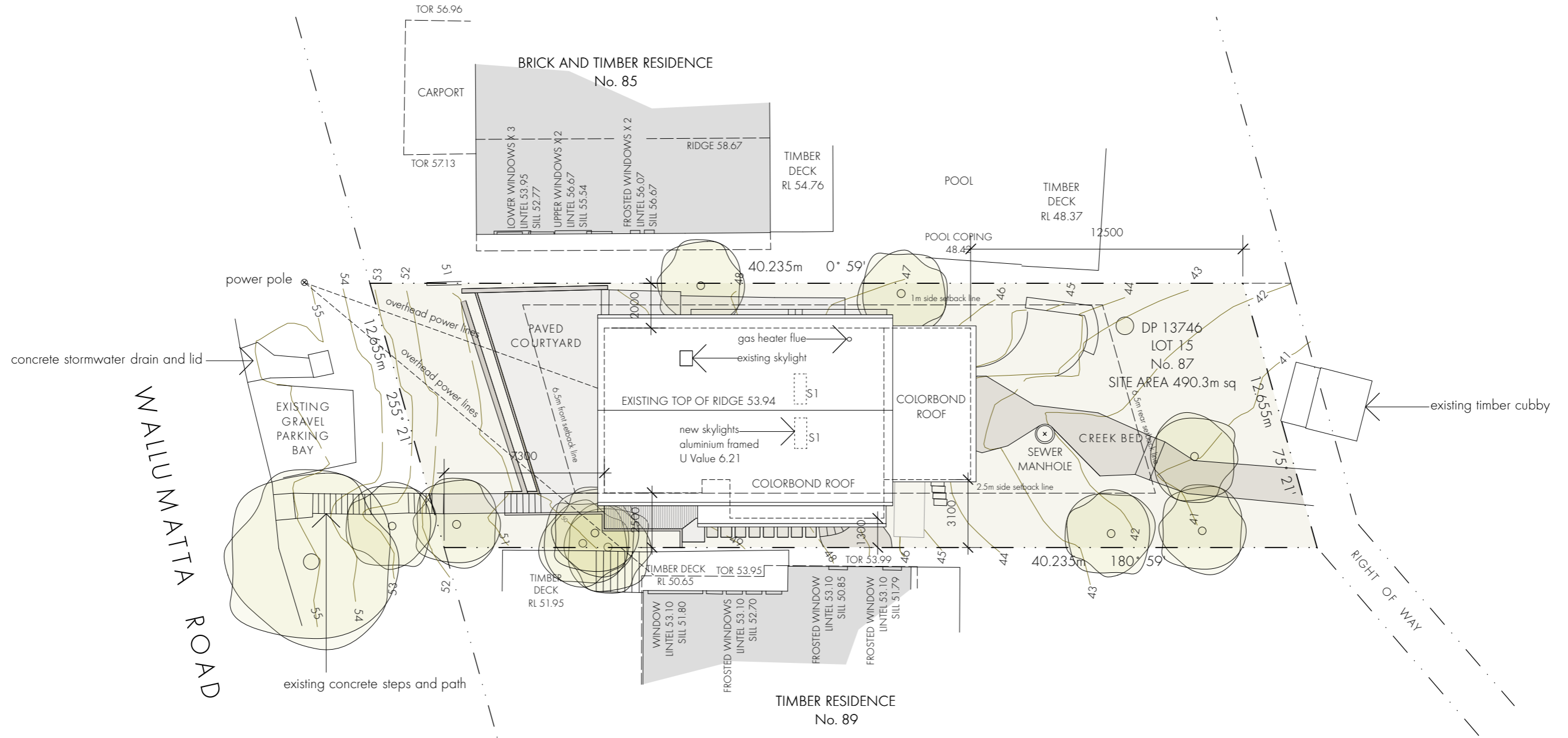
MASTER SET

FG01-DA	Site Plan	1:200
FG02-DA	Site Analysis Plan	1:200
FG03-DA	Existing Floor Plan	1:100
FG04-DA	Proposed Floor Plan	1:100
FG05-DA	Footing Plan	1:100
FG06-DA	Section AA	1:100
FG07-DA	Section BB	1:100
FG08-DA	Elevation - West	1:100
FG09-DA	Elevation - East	1:100
FG10-DA	Elevation - South	1:100
FG11-DA	Elevation - North	1:100
FG12-DA	Demolition Plan	1:200
FG13-DA	Waste Management Site Plan	1:200
FG14-DA	Solar Access Diagrams - 9am June 21	1:400
FG15-DA	Solar Access Diagrams - 12pm June 21	1:400
FG16-DA	Solar Access Diagrams - 3pm June 21	1:400
FG17-DA	Materials Schedule	

DRAWINGS PREPARED BY

MARIKA JARV - B.ARCHITECTURE (Honours)  
PO Box 489 Avalon Beach NSW 2107  
0410 621 473  
mj@marikajarv.com.au  
www.marikajarv.com.au





#### HARD SURFACE/ IMPERVIOUS AREAS

Existing hard surface area	123m sq
Hard surface area to be retained	123m sq
Proposed hard surface area	151m sq
Total site surface area	490.3m sq
Existing landscaped area %	75%
Proposed landscaped area %	69%
Impervious area to be retained %	25%

**marika  
jarv.**

MARIKA JARV - B.ARCH (Honours)  
PO Box 489 Avalon Beach NSW 2107  
0410 621 473  
mj@marikajarv.com.au  
www.marikajarv.com.au

#### FERN GULLY HOUSE | DEVELOPMENT APPLICATION

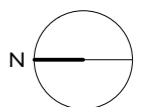
Alterations and Additions to Existing Residence  
Matt & Emma Smith  
87 Wallumatta Road  
NEWPORT NSW 2106

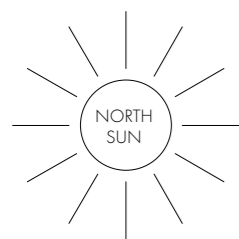
0 1 2 5 10m

© Copyright Marika Jarv

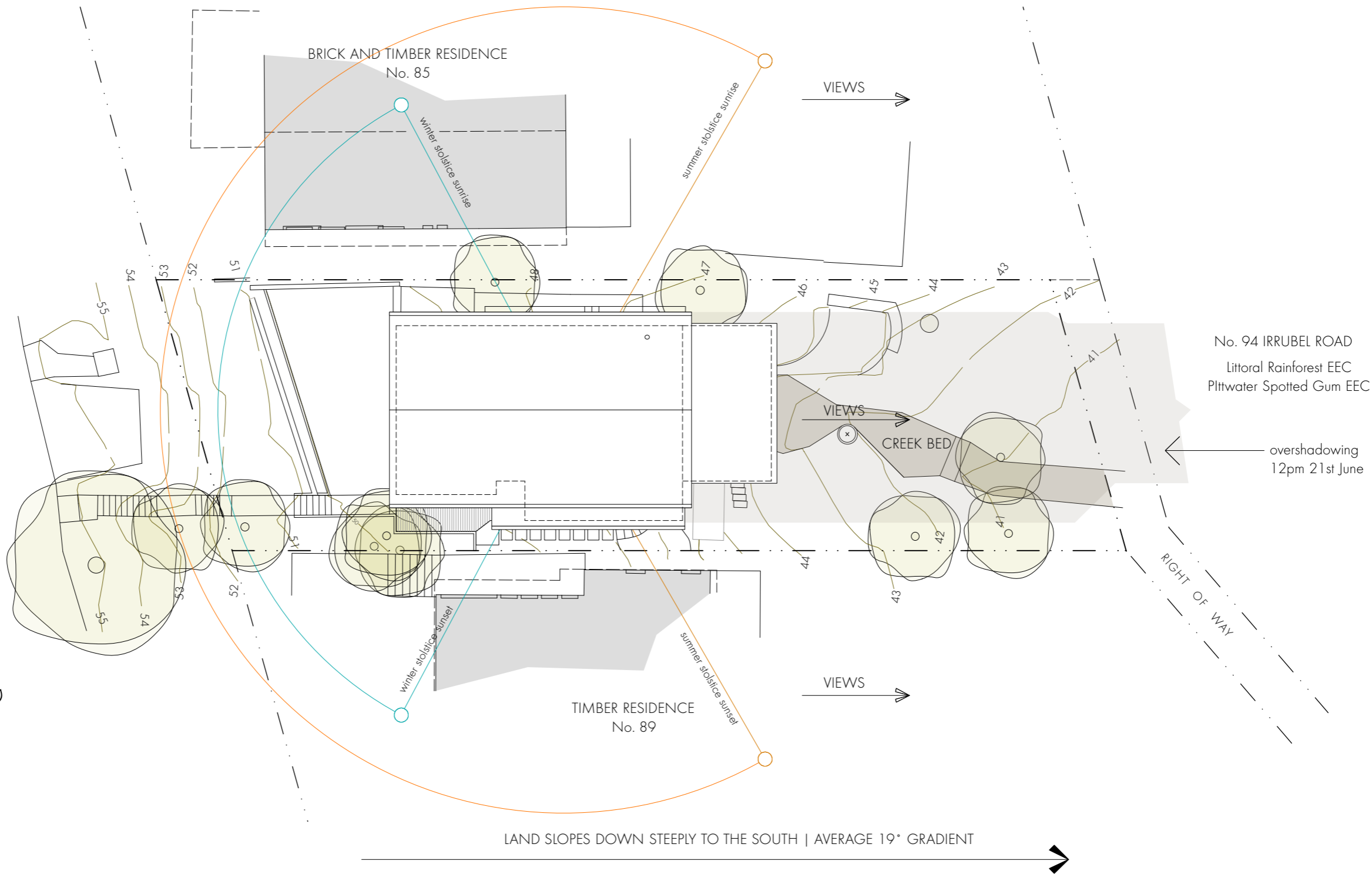
DWG FG01-DA  
DATE 05/06/2020  
ISSUE DA  
JOB # 39  
SCALE 1:200 @ A3

#### SITE PLAN





WALLUMATTA ROAD



**marika jarv.**

MARIKA JARV - B.ARCH (Honours)  
PO Box 489 Avalon Beach NSW 2107  
0410 621 473  
mj@marikajarv.com.au  
www.marikajarv.com.au

## FERN GULLY HOUSE | DEVELOPMENT APPLICATION

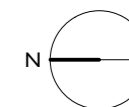
Alterations and Additions to Existing Residence  
Matt & Emma Smith  
87 Wallumatta Road  
NEWPORT NSW 2106

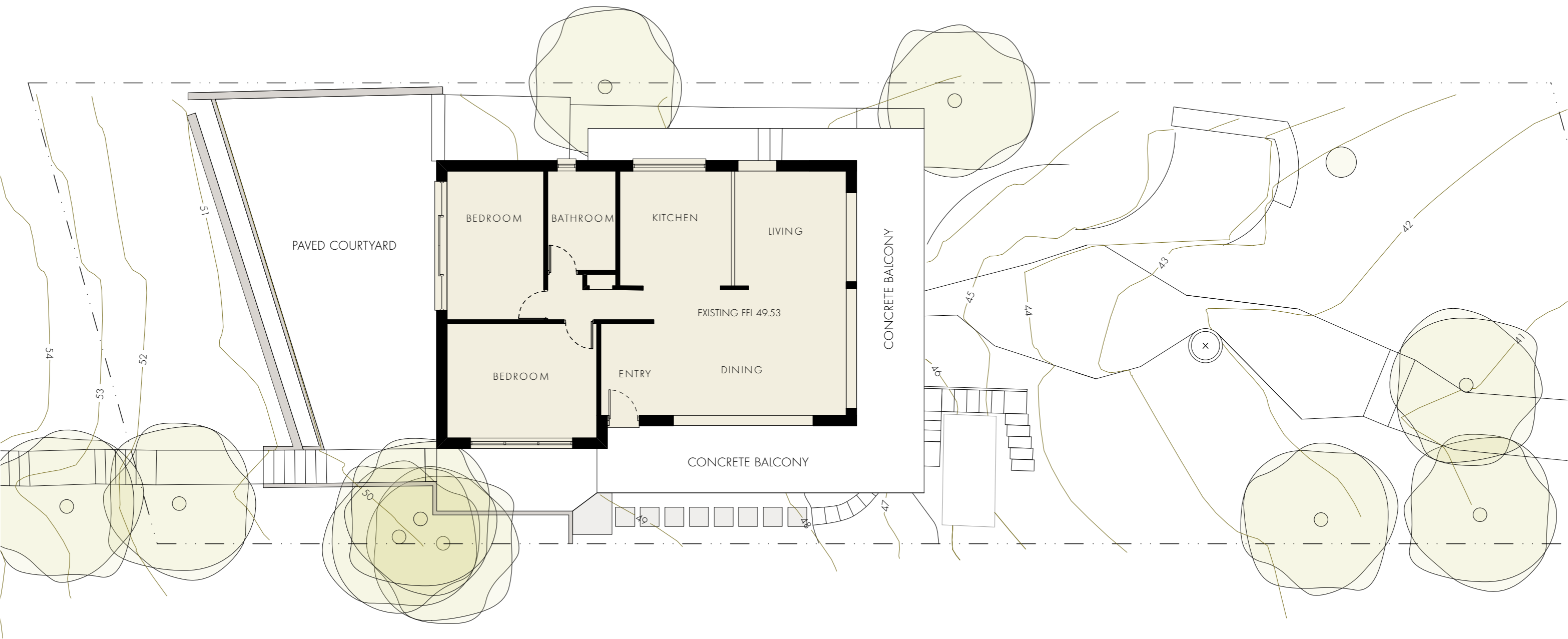
0 1 2 5 10m

© Copyright Marika Jarv

DWG FG02-DA  
DATE 05/06/2020  
ISSUE DA  
JOB # 39  
SCALE 1:200 @ A3

## SITE ANALYSIS PLAN





**marika  
jarv.**

MARIKA JARV - B.ARCH (Honours)  
PO Box 489 Avalon Beach NSW 2107  
0410 621 473  
mj@marikajarv.com.au  
www.marikajarv.com.au

**FERN GULLY HOUSE | DEVELOPMENT APPLICATION**

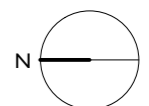
Alterations and Additions to Existing Residence  
Matt & Emma Smith  
87 Wallumatta Road  
NEWPORT NSW 2106

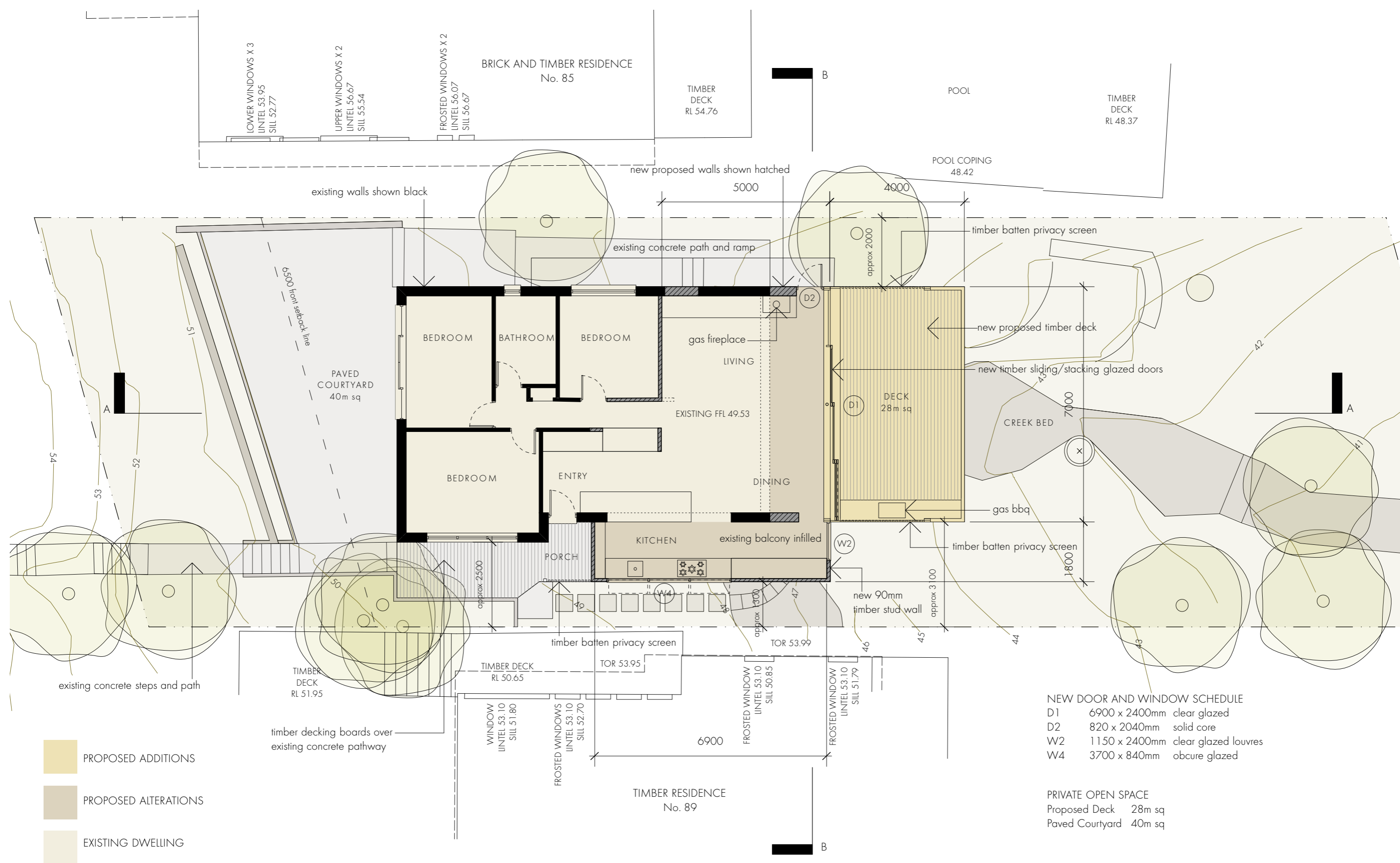
0 1 2 3 4 5m

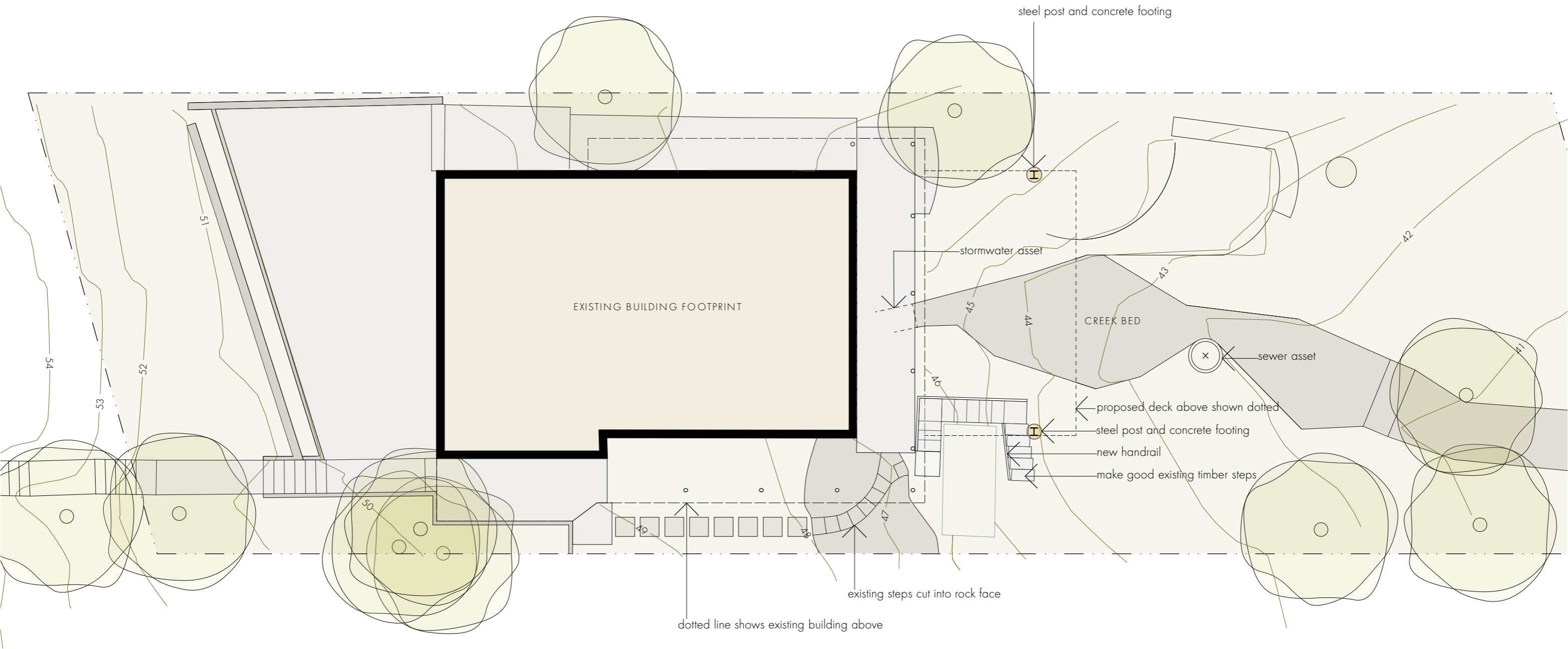
© Copyright Marika Jarv

DWG	FG03-DA
DATE	05/06/2020
ISSUE	DA
JOB #	39
SCALE	1:100 @ A3

**EXISTING FLOOR PLAN**







**marika  
jarv.**

**FERN GULLY HOUSE | DEVELOPMENT APPLICATION**

MARIKA JARV - B.ARCH (Honours)  
PO Box 489 Avalon Beach NSW 2107  
0410 621 473  
mj@marikajarv.com.au  
www.marikajarv.com.au

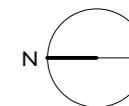
Alterations and Additions to Existing Residence  
Matt & Emma Smith  
87 Wallumatta Road  
NEWPORT NSW 2106

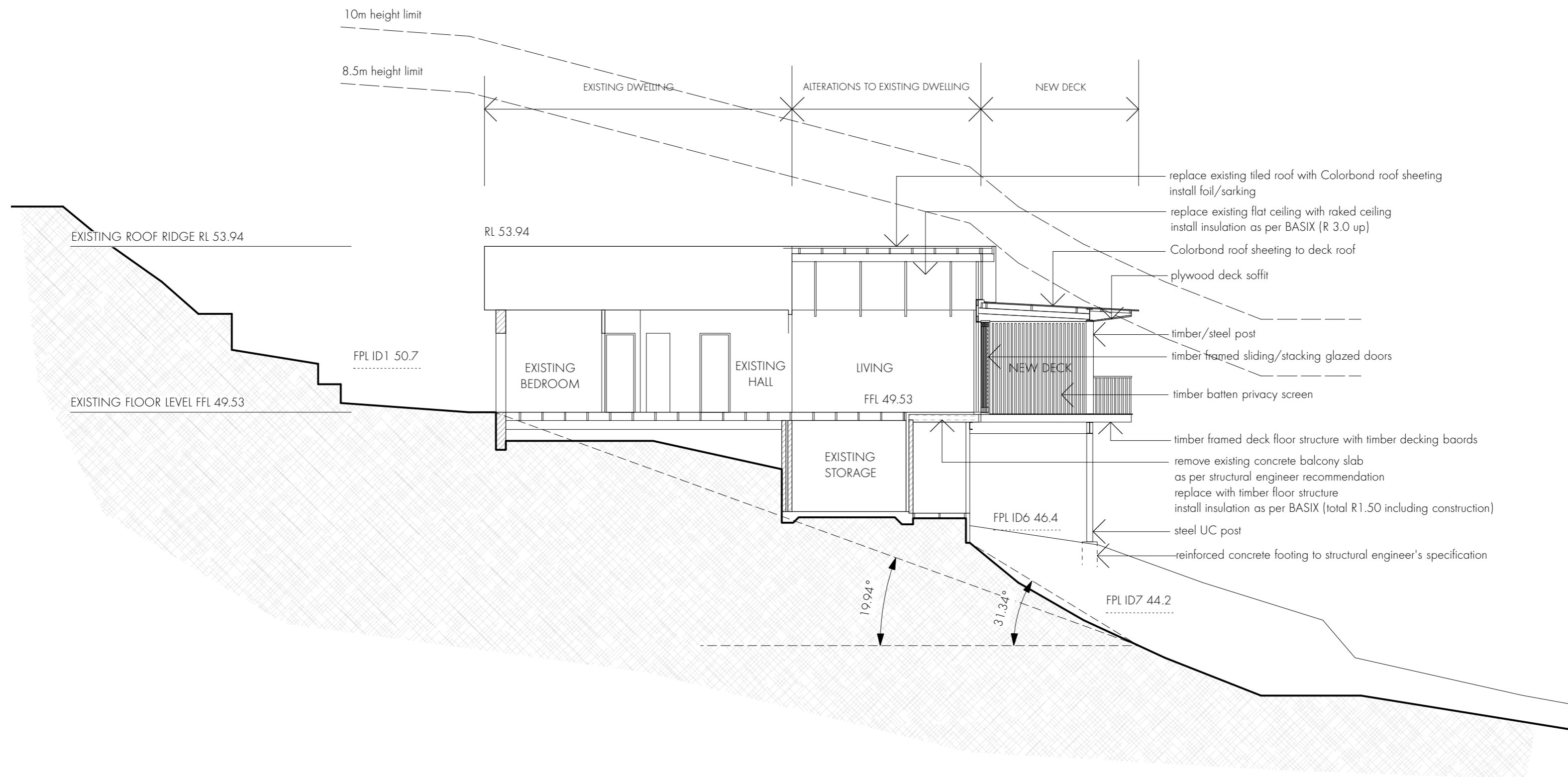
0 1 2 3 4 5m

© Copyright Marika Jarv

DWG FG05-DA  
DATE 05/06/2020  
ISSUE DA  
JOB # 39  
SCALE 1:100 @A3

**PROPOSED FOOTING PLAN**





**marika  
jarv.**

MARIKA JARV - B.ARCH (Honours)  
PO Box 489 Avalon Beach NSW 2107  
0410 621 473  
mj@marikajarv.com.au  
www.marikajarv.com.au

**FERN GULLY HOUSE** | DEVELOPMENT APPLICATION

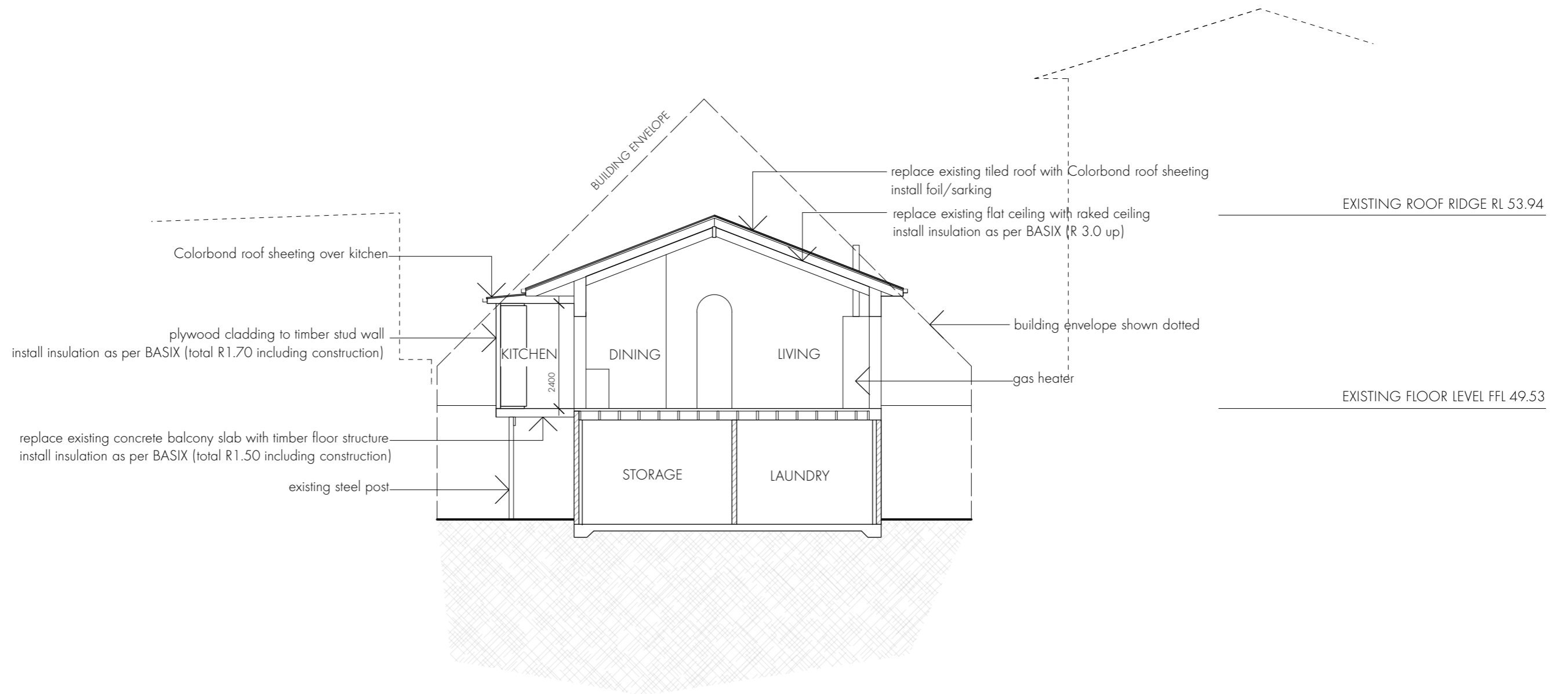
Alterations and Additions to Existing Residence  
Matt & Emma Smith  
87 Wallumatta Road  
NEWPORT NSW 2106

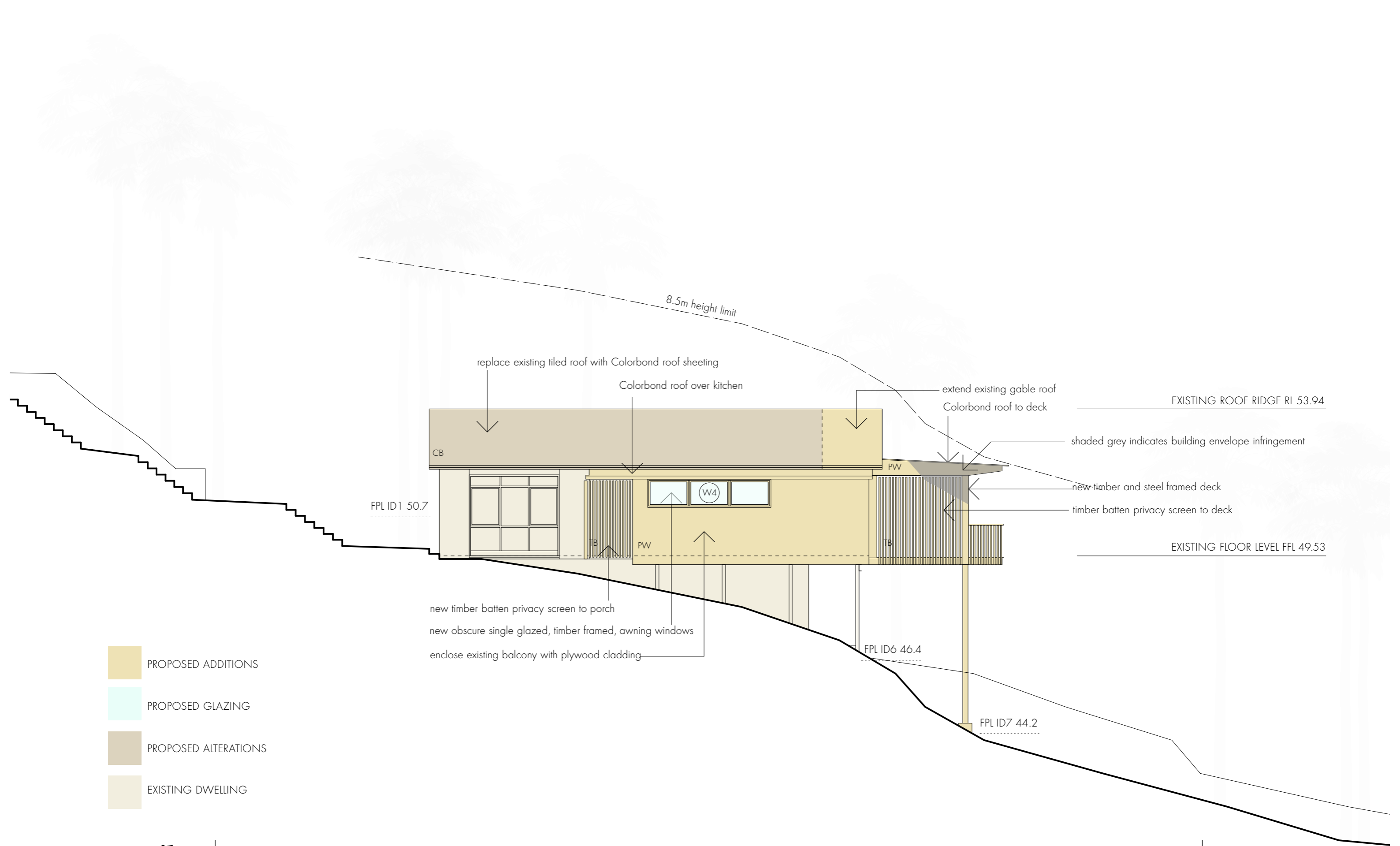
0 1 2 3 4 5m

© Copyright Marika Jarv

DWG FG06-DA  
DATE 05/06/2020  
ISSUE DA  
JOB # 39  
SCALE 1:100 @A3

**SECTION AA**





**marika  
jarv.**

**FERN GULLY HOUSE | DEVELOPMENT APPLICATION**

MARIKA JARV - B.Arch (Honours)  
PO Box 489 Avalon Beach NSW 2107  
0410 621 473  
mj@marikajarv.com.au  
www.marikajarv.com.au

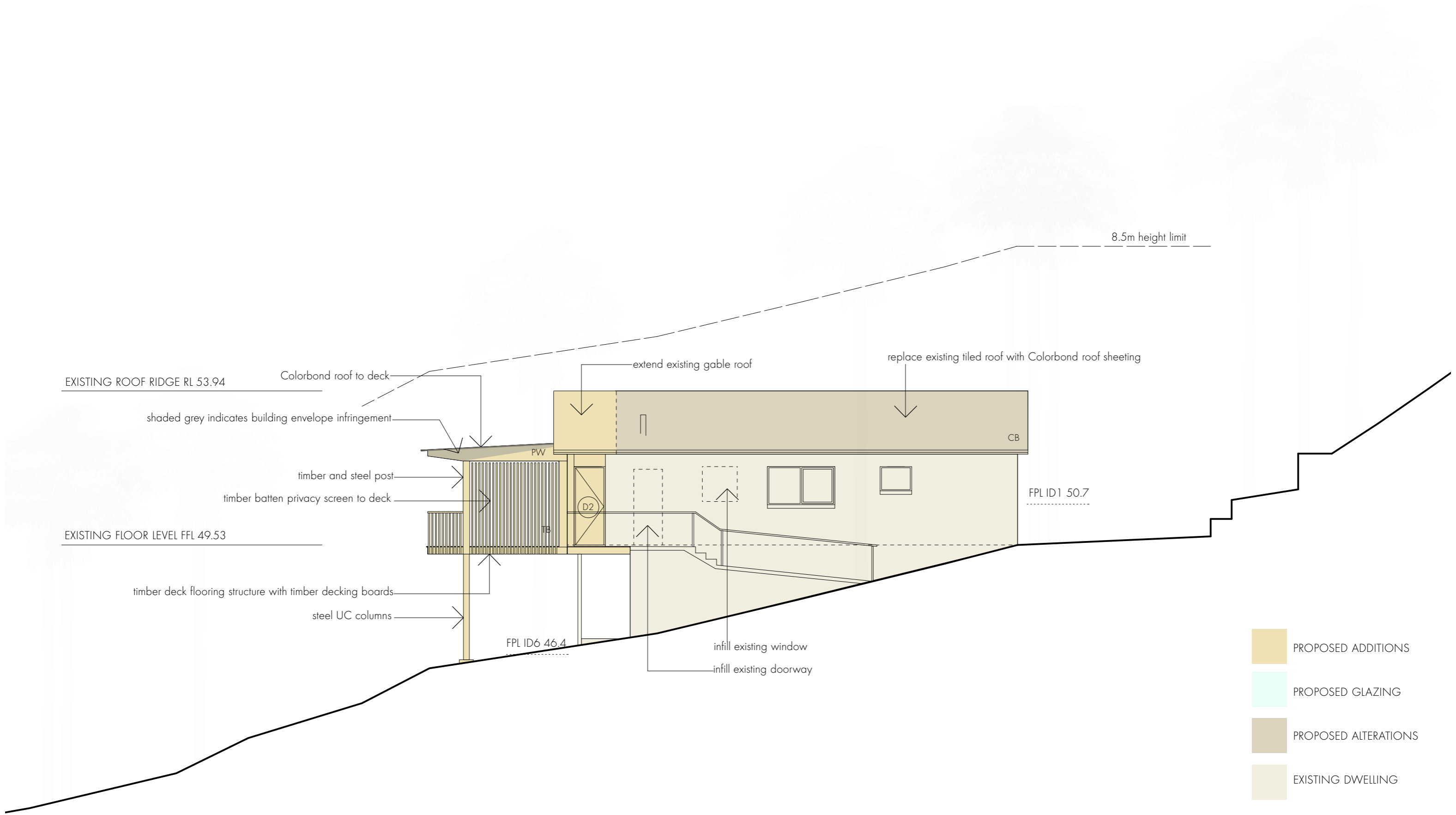
Alterations and Additions to Existing Residence  
Matt & Emma Smith  
87 Wallumatta Road  
NEWPORT NSW 2106

0 1 2 3 4 5m

© Copyright Marika Jarv

DWG FG08-DA  
DATE 05/06/2020  
ISSUE DA  
JOB # 39  
SCALE 1:100 @ A3

**ELEVATION - WEST**



**marika  
jarv.**

MARIKA JARV - B.ARCH (Honours)  
PO Box 489 Avalon Beach NSW 2107  
0410 621 473  
mj@marikajarv.com.au  
www.marikajarv.com.au

**FERN GULLY HOUSE** | DEVELOPMENT APPLICATION

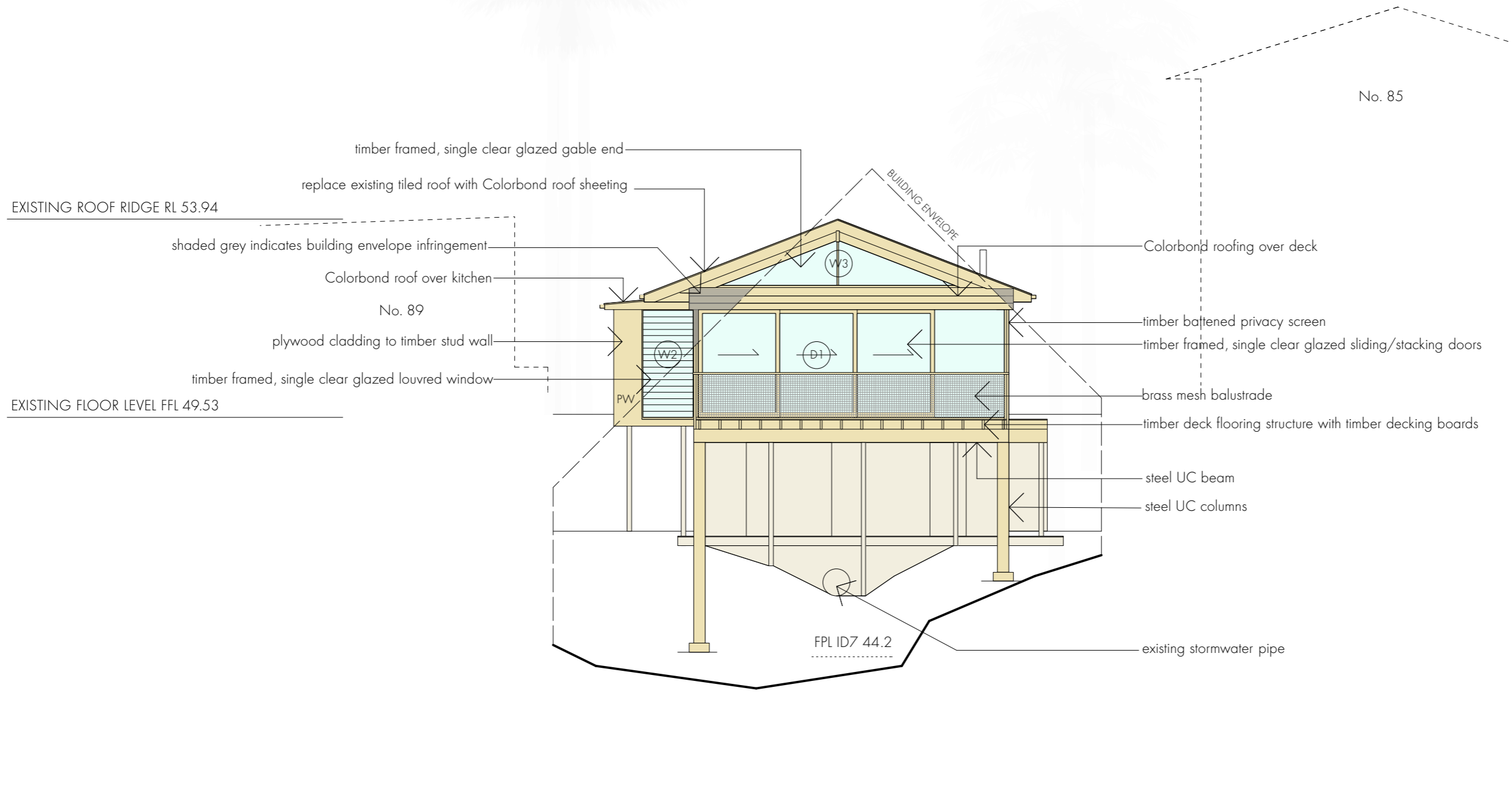
Alterations and Additions to Existing Residence  
Matt & Emma Smith  
87 Wallumatta Road  
NEWPORT NSW 2106

0 1 2 3 4 5m

© Copyright Marika Jarv

DWG FG09-DA  
DATE 05/06/2020  
ISSUE DA  
JOB # 39  
SCALE 1:100 @ A3

**ELEVATION - EAST**



**marika  
jarv.**

**FERN GULLY HOUSE** | DEVELOPMENT APPLICATION

MARIKA JARV - B.ARCH (Honours)  
PO Box 489 Avalon Beach NSW 2107  
0410 621 473  
mj@marikajarv.com.au  
www.marikajarv.com.au

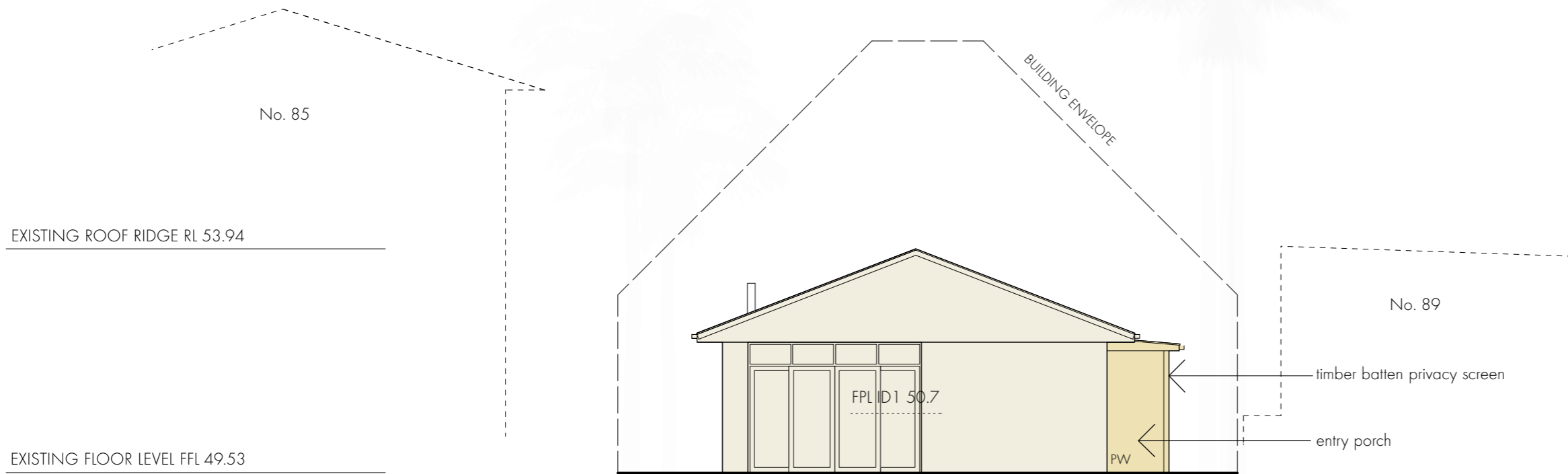
Alterations and Additions to Existing Residence  
Matt & Emma Smith  
87 Wallumatta Road  
NEWPORT NSW 2106

0 1 2 3 4 5m

© Copyright Marika Jarv

DWG FG10-DA  
DATE 05/06/2020  
ISSUE DA  
JOB # 39  
SCALE 1:100 @ A3

**ELEVATION - SOUTH**



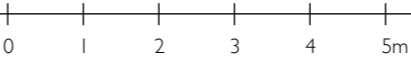
- PROPOSED ADDITIONS
- PROPOSED GLAZING
- PROPOSED ALTERATIONS
- EXISTING DWELLING

marika  
jarv.

MARIKA JARV - B.ARCH (Honours)  
PO Box 489 Avalon Beach NSW 2107  
0410 621 473  
mj@marikajarv.com.au  
www.marikajarv.com.au

FERN GULLY HOUSE | DEVELOPMENT APPLICATION

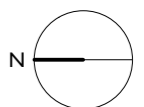
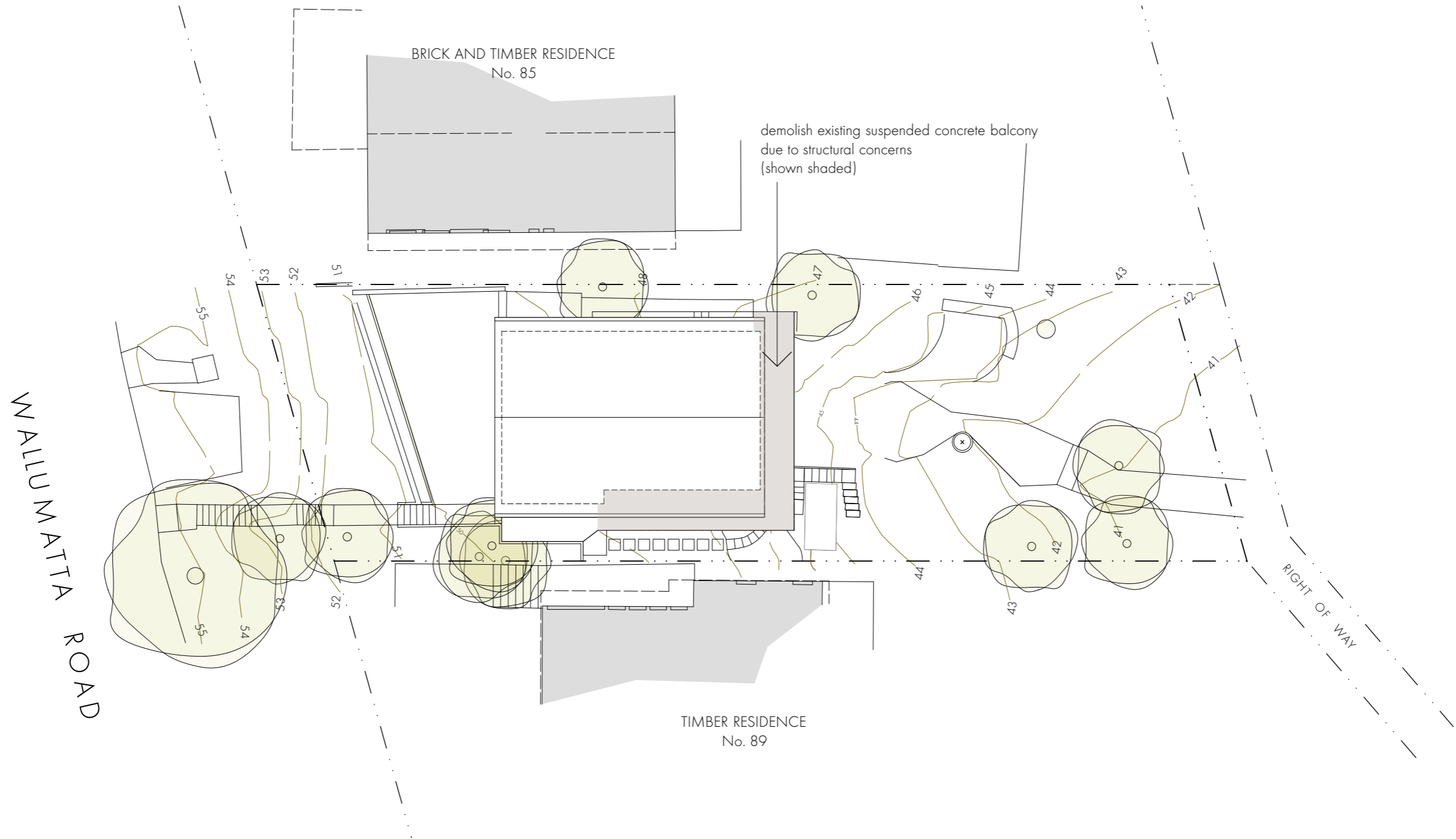
Alterations and Additions to Existing Residence  
Matt & Emma Smith  
87 Wallumatta Road  
NEWPORT NSW 2106

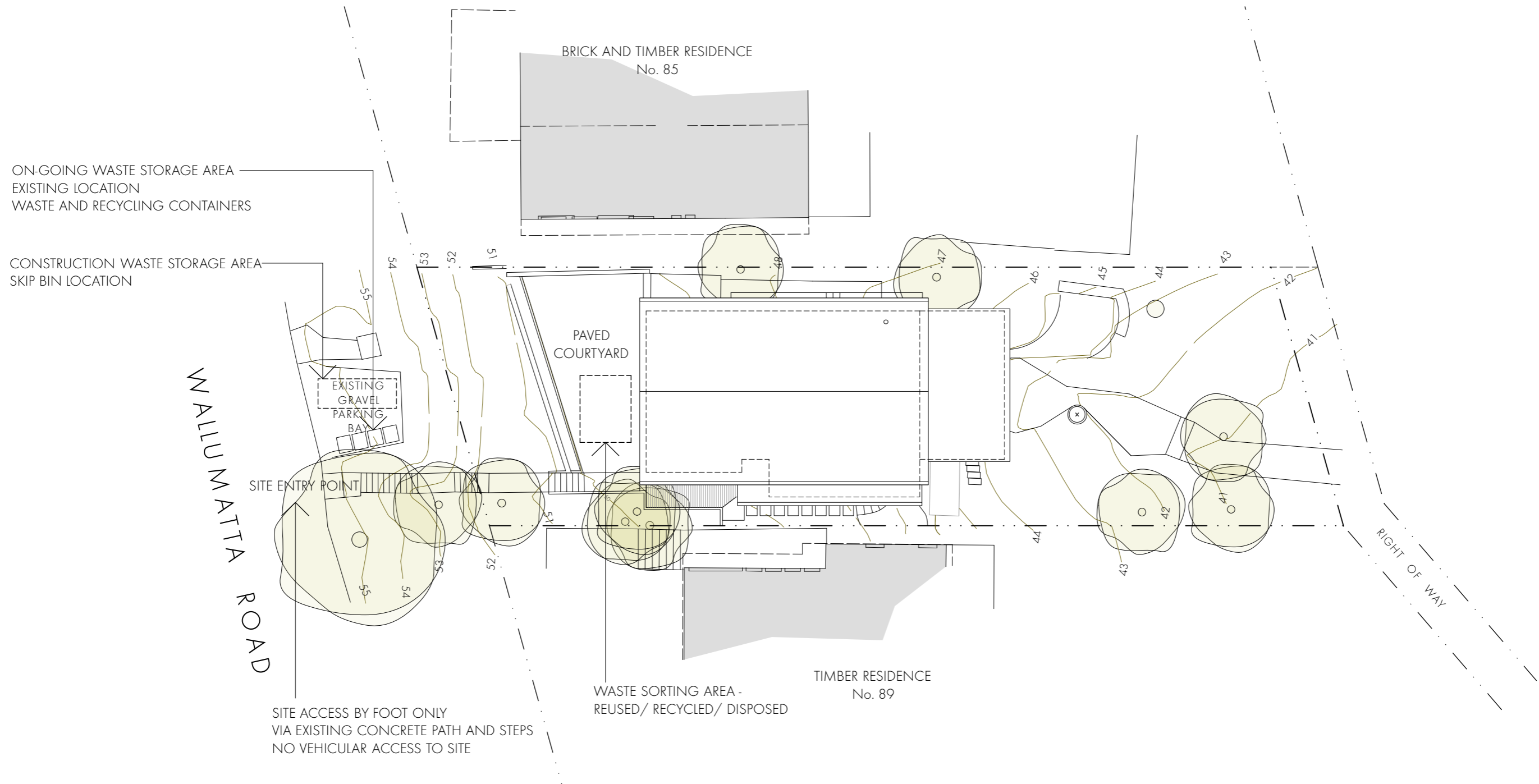


© Copyright Marika Jarv

DWG	FG11-DA
DATE	05/06/2020
ISSUE	DA
JOB #	39
SCALE	1:100 @A3

ELEVATION - NORTH





**marika  
jarv.**

MARIKA JARV - B.ARCH (Honours)  
PO Box 489 Avalon Beach NSW 2107  
0410 621 473  
mj@marikajarv.com.au  
www.marikajarv.com.au

## FERN GULLY HOUSE | DEVELOPMENT APPLICATION

Alterations and Additions to Existing Residence  
Matt & Emma Smith  
87 Wallumatta Road  
NEWPORT NSW 2106

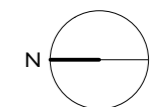
0 1 2 5 10m

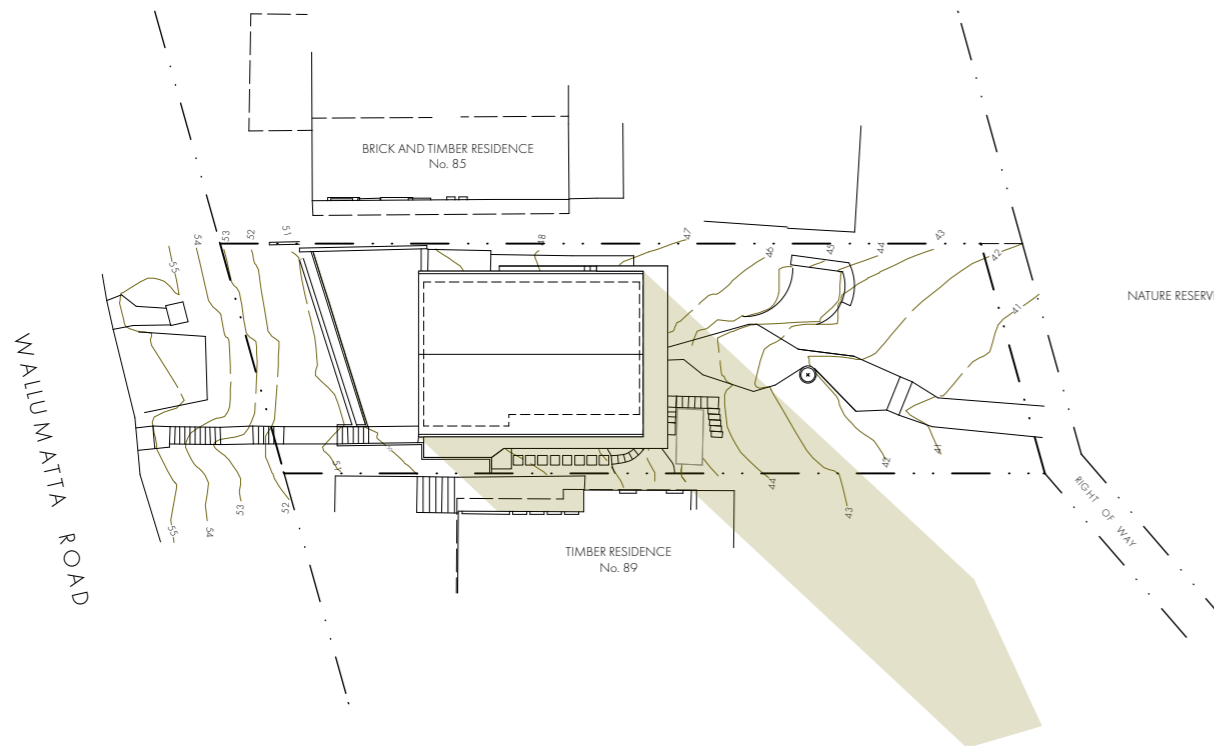
© Copyright Marika Jarv

DWG FG13-DA  
DATE 05/06/2020  
ISSUE DA  
JOB # 39  
SCALE 1:200 @ A3

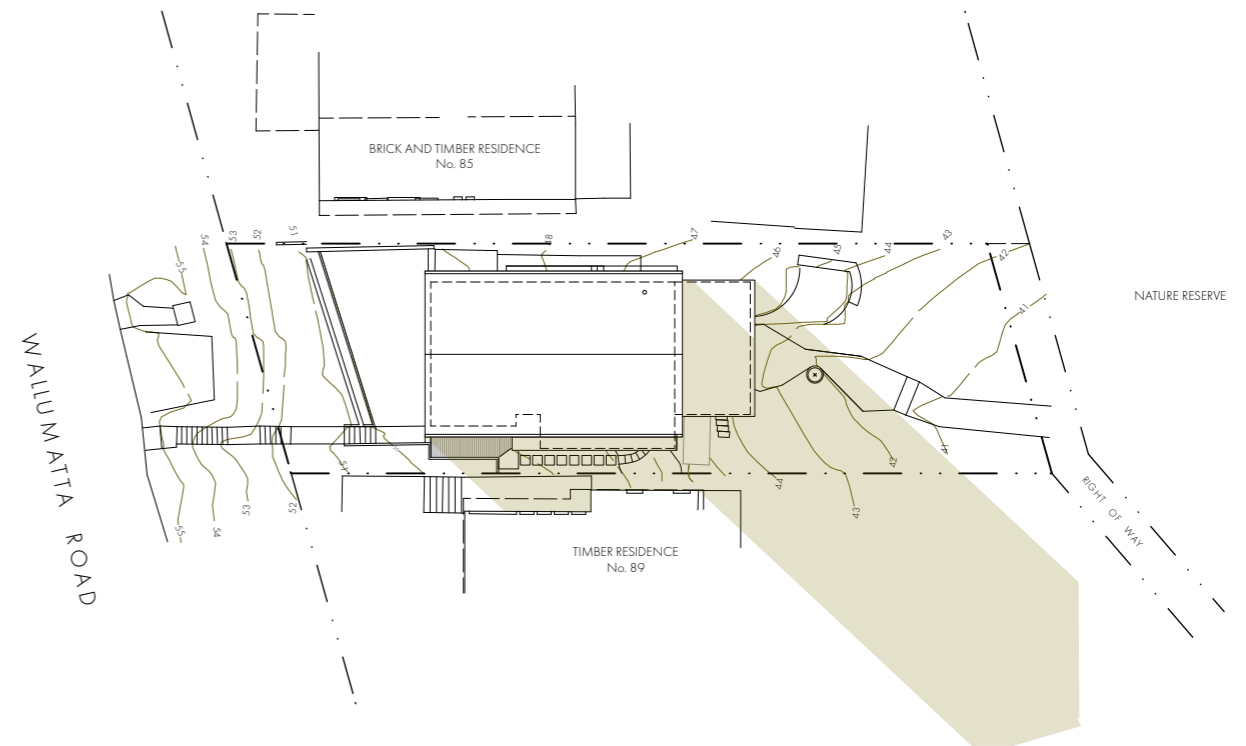
## WASTE MANAGEMENT

### SITE PLAN





EXISTING 9AM JUNE 21<sup>st</sup>



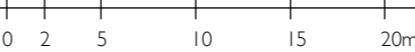
PROPOSED 9AM JUNE 21<sup>st</sup>

**marika  
jarv.**

MARIKA JARV - B.ARCH (Honours)  
PO Box 489 Avalon Beach NSW 2107  
0410 621 473  
mj@marikajarv.com.au  
www.marikajarv.com.au

**FERN GULLY HOUSE** | DEVELOPMENT APPLICATION

Alterations and Additions to Existing Residence  
Matt & Emma Smith  
87 Wallumatta Road  
NEWPORT NSW 2106

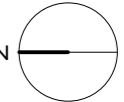


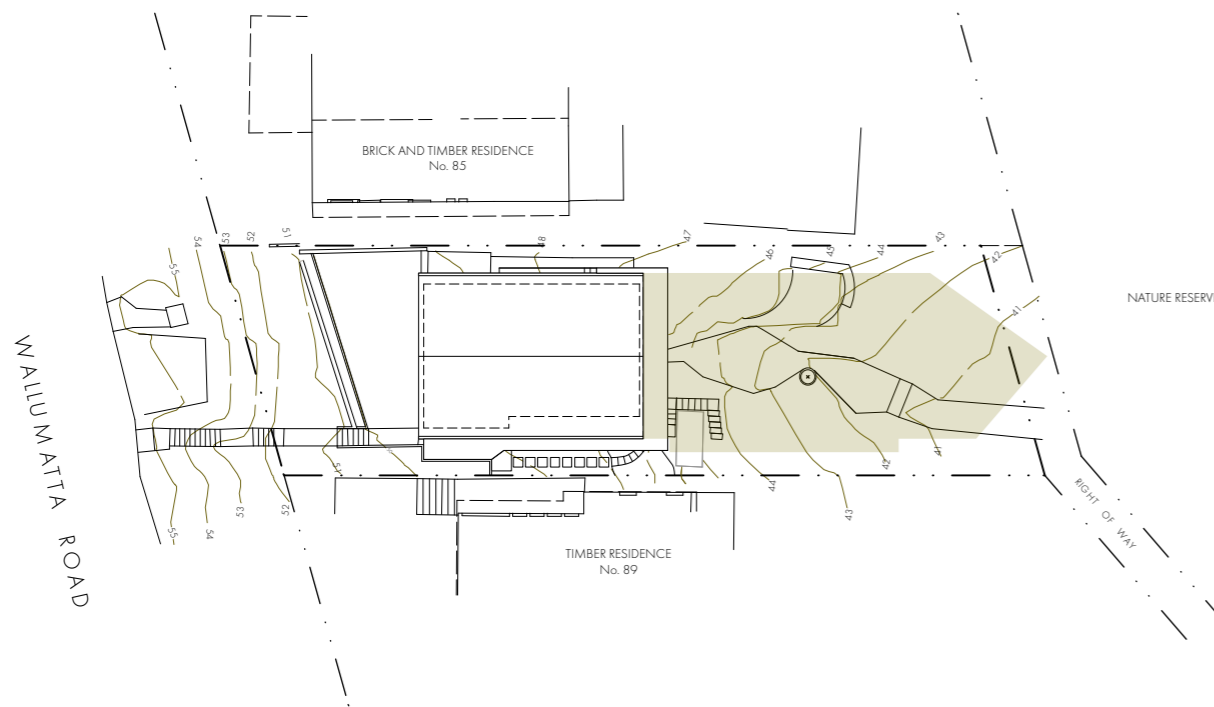
© Copyright Marika Jarv

DWG	FG14-DA
DATE	05/06/2020
ISSUE	DA
JOB #	39
SCALE	1:400 @ A3

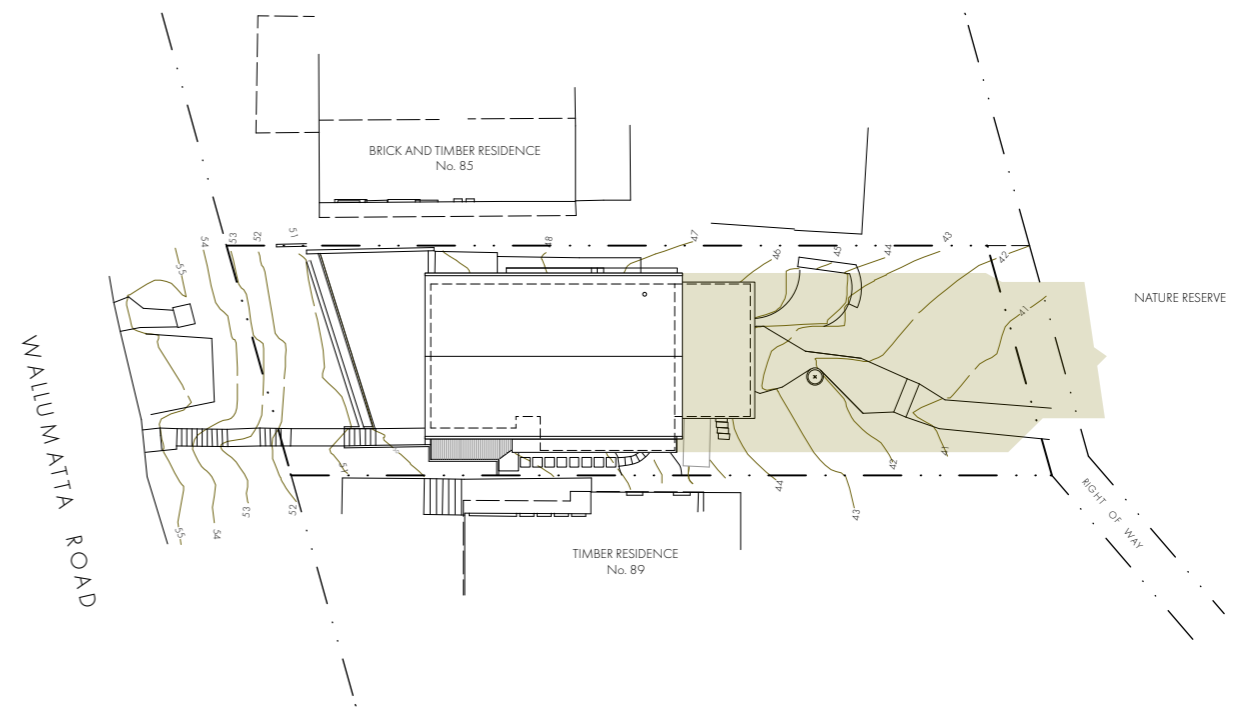
**SHADOW DIAGRAMS**

**9am 21<sup>st</sup> JUNE**





EXISTING 12PM JUNE 21<sup>st</sup>



PROPOSED 12PM JUNE 21<sup>st</sup>

**marika  
jarv.**

MARIKA JARV - B.ARCH (Honours)  
PO Box 489 Avalon Beach NSW 2107  
0410 621 473  
mj@marikajarv.com.au  
www.marikajarv.com.au

## FERN GULLY HOUSE | DEVELOPMENT APPLICATION

Alterations and Additions to Existing Residence  
Matt & Emma Smith  
87 Wallumatta Road  
NEWPORT NSW 2106

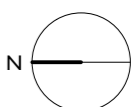
0 2 5 10 15 20m

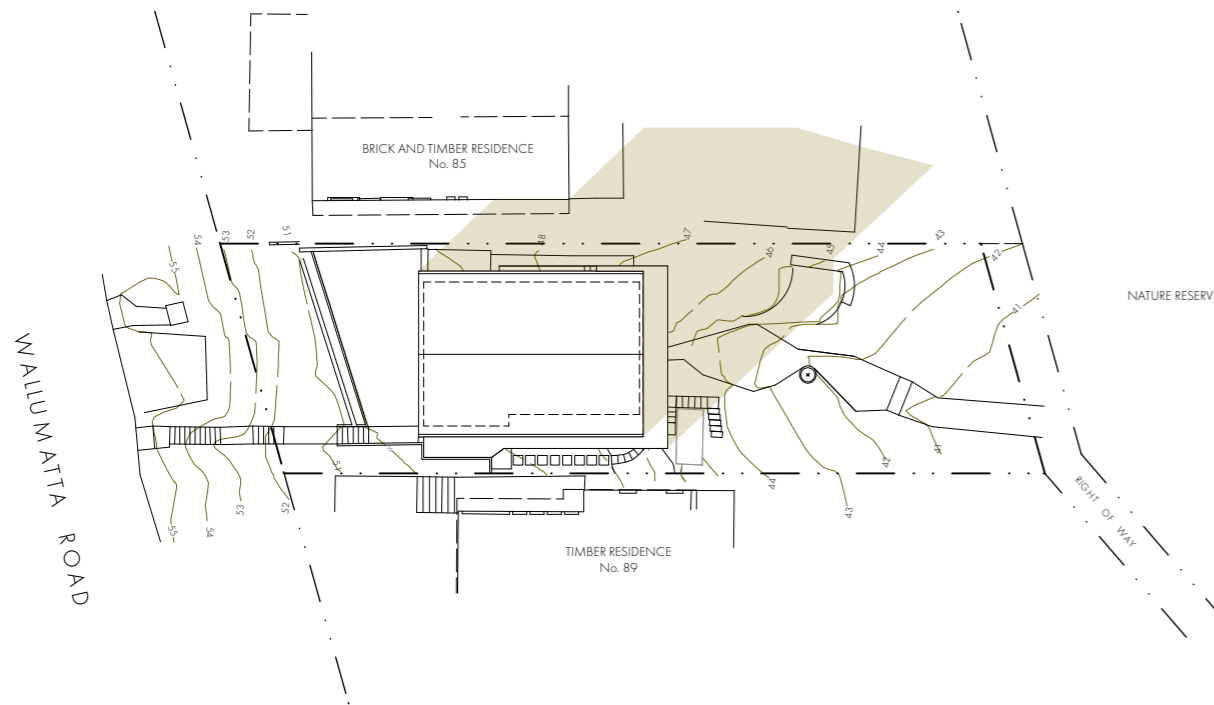
© Copyright Marika Jarv

DWG FG15-DA  
DATE 05/06/2020  
ISSUE DA  
JOB # 39  
SCALE 1:400 @ A3

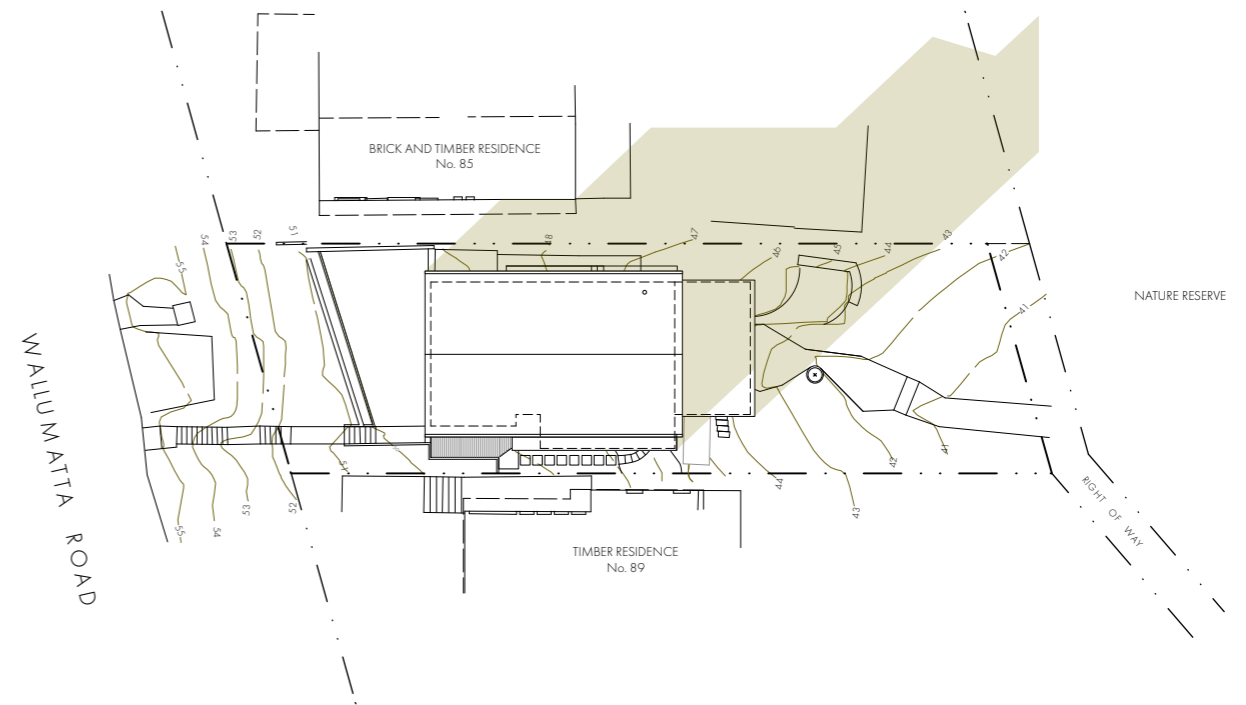
## SHADOW DIAGRAMS

12pm 21<sup>st</sup> JUNE





EXISTING 3PM JUNE 21<sup>st</sup>



PROPOSED 3PM JUNE 21

**marika  
jarv.**

MARIKA JARV - B.ARCH (Honours)  
PO Box 489 Avalon Beach NSW 2107  
0410 621 473  
mj@marikajarv.com.au  
www.marikajarv.com.au

## FERN GULLY HOUSE | DEVELOPMENT APPLICATION

Alterations and Additions to Existing Residence  
Matt & Emma Smith  
87 Wallumatta Road  
NEWPORT NSW 2106

0 2 5 10 15 20m

© Copyright Marika Jarv

DWG FGI6-DA  
DATE 05/06/2020  
ISSUE DA  
JOB # 39  
SCALE 1:400 @ A3

## SOLAR ACCESS DIAGRAMS

3pm 21<sup>st</sup> JUNE





Roofing: dark grey Colorbond



External walls: black painted brick



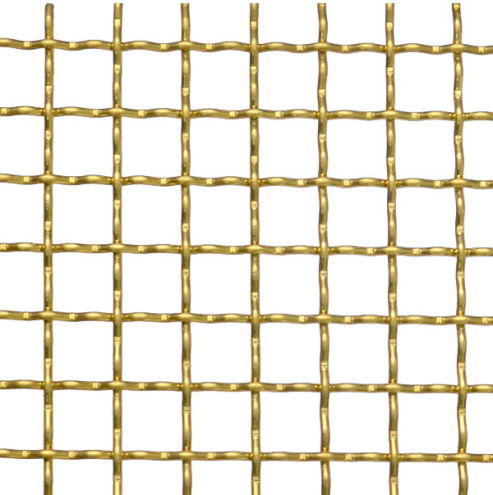
External walls: plywood cladding



Deck/door window frames/privacy screens:  
timber



Glazing: clear glass



Balustrading: brass mesh

GENERAL REQUIREMENTS

THE FOLLOWING EROSION AND SEDIMENT CONTROL PLAN (ESCP) HAS BEEN DEVELOPED IN GENERAL ACCORDANCE WITH LANDCOM (2004) – MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION, OTHERWISE KNOWN AS "THE BLUE BOOK". THIS PLAN SHOULD ALSO BE READ IN CONJUNCTION WITH MANAGING URBAN STORMWATER – SOILS AND CONSTRUCTION (VOLUME 2A INSTALLATION OF SERVICES).

SITE ESTABLISHMENT

PRIOR TO THE COMMENCEMENT OF EARTHWORKS ON THE SITE THE FOLLOWING SHALL BE UNDERTAKEN AS A MINIMUM:

1. ERECT SAFETY FENCING WITH SIGNAGE CLEARLY INDICATING THAT THE SITE IS A CONSTRUCTION ZONE AND ACCESS IS RESTRICTED AS DEEMED NECESSARY.
2. ERECT CLEARLY VISIBLE BARRIER FENCING AT LOCATIONS SHOWN OR IF NOT SHOWN AT THE DISCRETION OF THE SITE SUPERINTENDENT TO ENSURE TRAFFIC IS CONTROLLED AND TO PROHIBIT UNNECESSARY SITE DISTURBANCE.
3. WHERE REQUIRED AT THE DISCRETION OF THE SITE SUPERINTENDENT, INSTALL STABILISED SITE ACCESS AT SITE ACCESS POINT TO PREVENT CONSTRUCTION EQUIPMENT FROM CARRYING SEDIMENT OFF THE SITE ONTO SURROUNDING ROADS.
4. PROVIDE GERNI PRESSURE CLEANER AT SITE EXIT POINT FOR TYRE WASH DOWN AT THE DISCRETION OF THE SITE SUPERINTENDENT.
5. INSTALL SEDIMENT AND EROSION CONTROL DEVICES IN ACCORDANCE WITH THE CONSTRUCTION DETAILS SPECIFIED IN THIS DRAWING SET AND/OR THE REQUIREMENTS OF THE 'BLUE BOOK'.

CONSTRUCTION

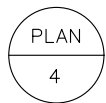
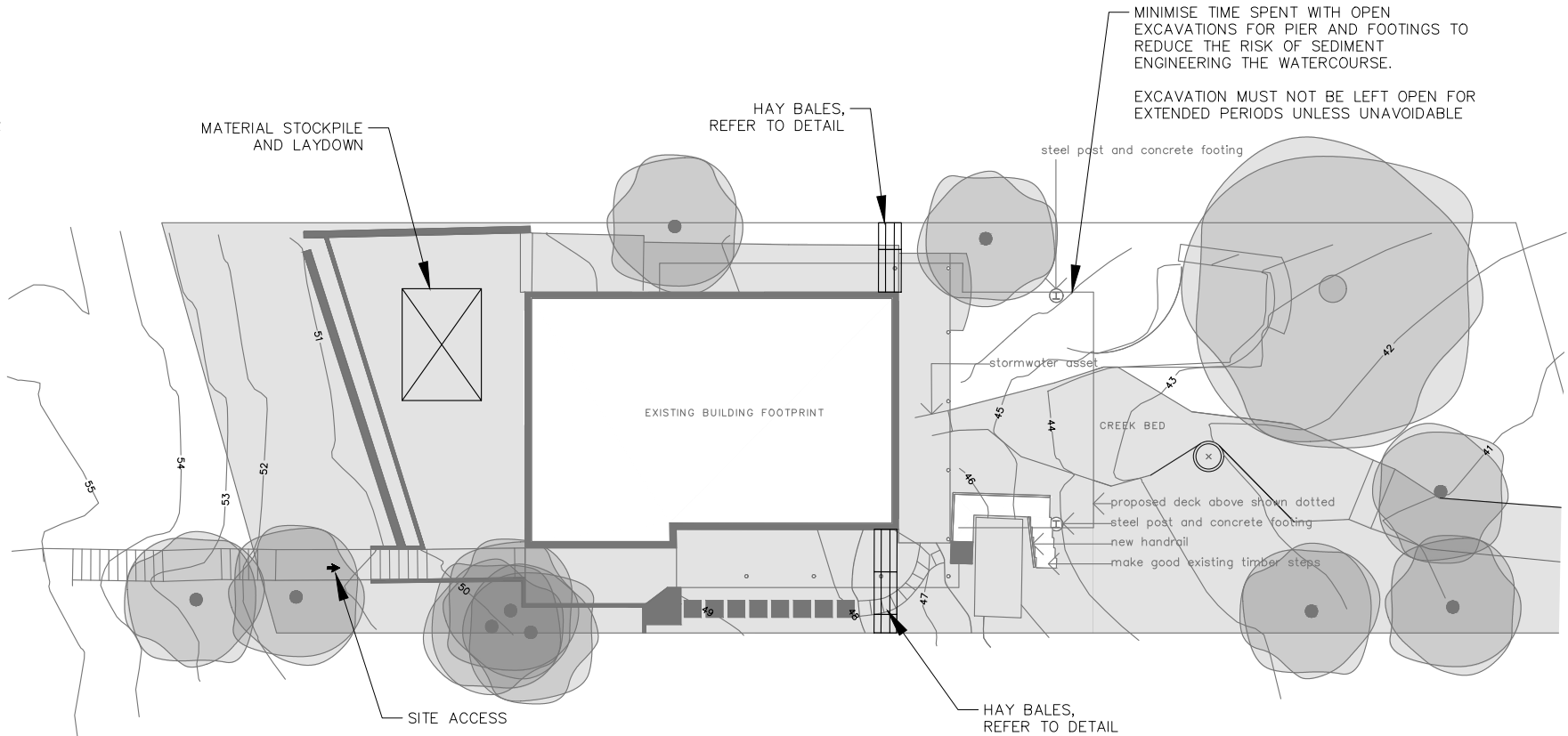
6. THE SITE WILL REMAIN PREDOMINANTLY UNCHANGED THROUGHOUT CONSTRUCTION. HOWEVER, EROSION AND SEDIMENT CONTROLS MAY BE ADJUSTED AS EXCAVATION AND WORKS OCCUR AT THE DISCRETION OF THE SITE SUPERINTENDENT.
7. USE SANDBAGS, HAY BALES AND/OR GRAVEL FILLED GEOTEXTILE SOCKS TO FILTER AND CONVEY STORMWATER RUNOFF WITHIN THE SITE.
8. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILISED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
9. INLET FILTERS SHALL BE INSTALLED WHERE SHOWN TO PREVENT WATER FROM DIRECTLY ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE. IF THE LOCATION OF INLET FILTERS ARE NOT SHOWN ON THE PLAN THEIR LOCATION SHALL BE AT THE DISCRETION OF THE SUPERINTENDENT.

10. STAGE WORK AND PROGRAMMING OF CONSTRUCTION ACTIVITIES TO MINIMISE THE EXTENT AND DURATION OF OPEN EXCAVATION. AVOID OPENING TRENCHES WHENEVER THE RISKS OF STORMS ARE HIGH.
11. DIVERT SURFACE WATER AWAY FROM EXCAVATION AREAS WITH SANDBAGS OR EQUIVALENT.
12. FOR DEWATERING OF EXCAVATION AREAS SET UP TEMPORARY DEWATERING PUMP OUT SYSTEM AS REQUIRED AND ENSURE FLOCCULATION IS USED IF WATER IS NOT CLEAR (i.e. SEDIMENT > 50mg/L). FOR RATES AND AGENTS REFER APPENDIX E NSW DEPARTMENT OF HOUSING "MANAGING URBAN STORMWATER SOILS & CONSTRUCTION". DISCHARGE SHALL BE DIRECTLY TO COUNCIL'S PIPED DRAINAGE SYSTEM WHERE POSSIBLE.
13. STOCKPILES SHALL BE LOCATED NO CLOSER THAN 2m (PREFERABLY 5m) FROM CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS. PROTECT STOCKPILES FROM EROSION BY RAIN AND SURFACE FLOWS.
14. ENSURE CHEMICAL AND FUELS ARE STORED WITHIN BUNDED AREAS AND ELEVATED ABOVE POTENTIAL FLOW PATHS.

MAINTENANCE

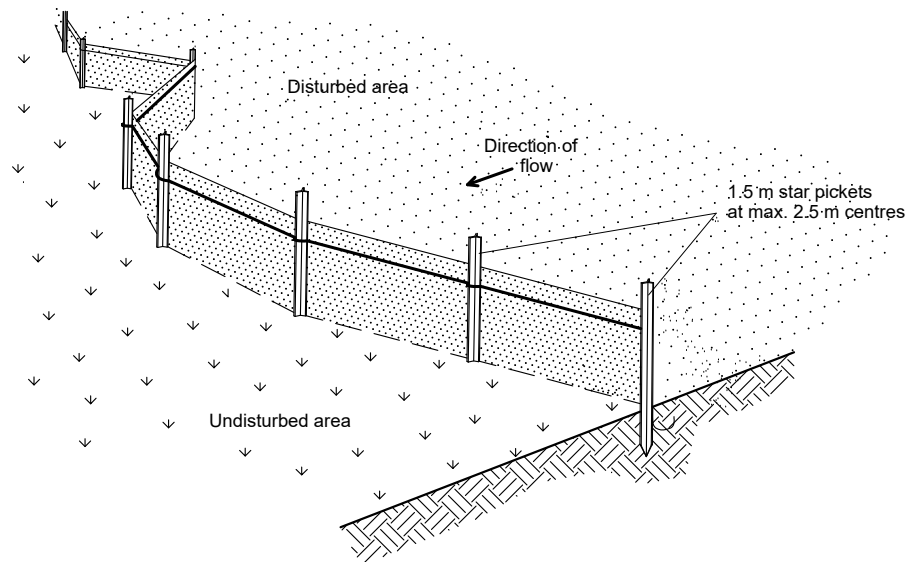
15. ALL DEDICATED SEDIMENT STORAGE ZONES WITHIN TRAPS SHALL BE CLEANED WHEN A MAXIMUM OF 60% FULL OF SOLID MATERIALS AND DISPOSED OF IN A MANNER THAT PREVENTS FURTHER POLLUTION OF THE SITE.
16. TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES WILL BE RETAINED UNTIL EARTHWORK ACTIVITIES ARE COMPLETED AND THE SITE IS STABILISED.

17. THE CONTRACTOR SHALL INSPECT THE SITE AT LEAST WEEKLY AND AFTER ANY STORM EVENT AND WILL:
  - 17.1. ENSURE THAT DRAINS OPERATE PROPERLY AND TO EFFECT ANY NECESSARY REPAIRS;
  - 17.2. REMOVE SPILLED SAND OR OTHER MATERIALS FROM AREAS OF LIKELY CONCENTRATED OR HIGH VELOCITY FLOWS (ESPECIALLY DRAINS AND TEMPORARY FLOW PATHS)
  - 17.3. REMOVE TRAPPED SEDIMENT WHENEVER LESS THAN DESIGN CAPACITY REMAINS WITHIN THE STRUCTURE;
  - 17.4. CONSTRUCT ADDITIONAL EROSION AND/OR SEDIMENT CONTROL WORKS AS REQUIRED;
  - 17.5. MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN A FULLY FUNCTIONING CONDITION UNTIL ALL EARTHWORK ACTIVITIES ARE COMPLETED AND THE SITE IS STABILISED; AND REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL STRUCTURES AS THE LAST ACTIVITY IN THE CONSTRUCTION PROGRAM.
  - 17.6.



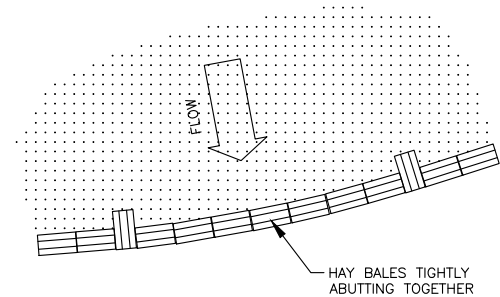
EROSION & SEDIMENT CONTROL PLAN

1: 200



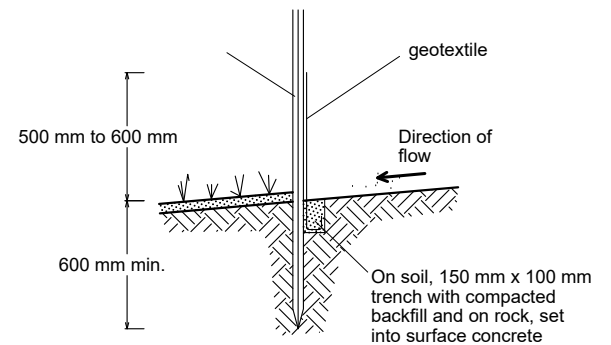
SEDIMENT CONTROL FENCE

NTS



SEDIMENT TRAP – HAY BALE

NTS



SECTION DETAIL

NTS

REVISIONS				
No.	BY	DATE	DESCRIPTION	APPD
0	SHA	16/06/2020	APPROVED FOR DA SUBMISSION	LES

Scale	
AS NOTED	
DO NOT SCALE. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED	

THE SIGNING OF THIS TITLE BLOCK CONFIRMS THE DESIGN AND DRAFTING OF THIS PROJECT HAVE BEEN PREPARED AND CHECKED IN ACCORDANCE WITH THE STELLEN QUALITY ASSURANCE SYSTEM			
DESIGNED	SHA	CHECKED	LES
DRAWN	SHA	CHECKED	LES
APPROVED	LES	DATE	16/06/2020



Stellen Consulting ABN 61 149 095 189

87 WALLUMATTA ROAD, NEWPORT			
EROSION & SEDIMENT CONTROL PLAN			
Size	Status	Drwg No.	Rev.
A3	APPROVED FOR DA SUBMISSION	SD-100	0