



# ATTACHMENTS

## LOCAL PLANNING PANEL MEETING

Thursday 31 August 2023  
at 4:00pm



## TABLE OF CONTENTS

### LOCAL PLANNING PANEL

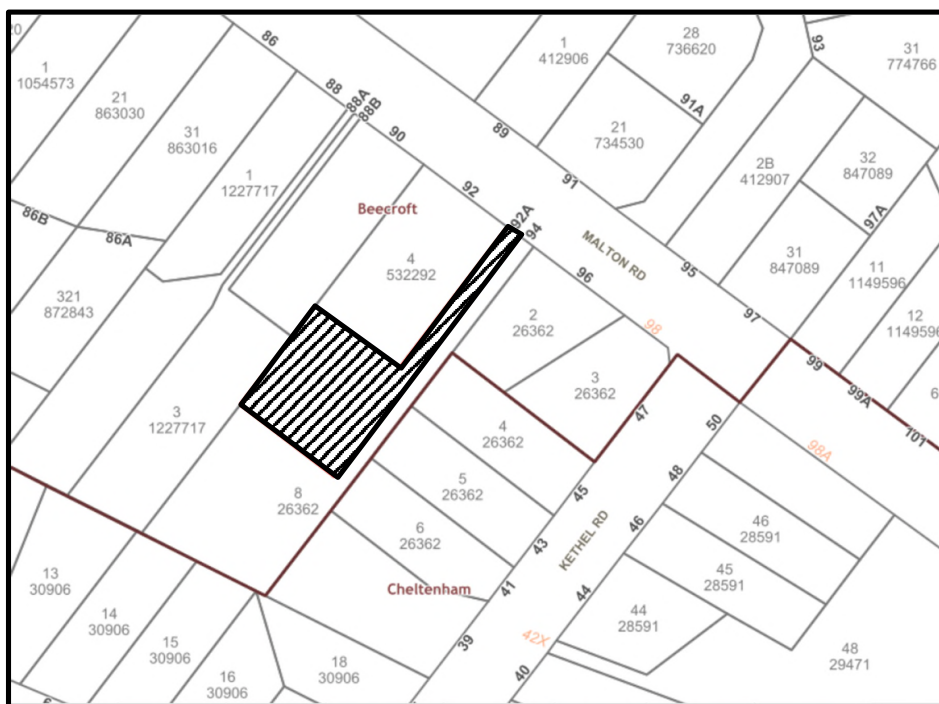
<b>1</b>	<b>LPP31/23</b>	<b>DA/531/2023 - Construction of a Swimming Pool and Covered Deck - 92A Malton Road, Beecroft</b>	
	<b>Attachment 1:</b>	Locality Plan.....	2
	<b>Attachment 2:</b>	Architectural Plans .....	3
	<b>Attachment 3:</b>	Arborist Report v2 .....	12

**ATTACHMENT/S**

**REPORT NO. LPP31/23**

**ITEM 1**

- 1. LOCALITY PLAN**
- 2. ARCHITECTURAL PLANS**
- 3. ARBORIST REPORT V2**



**LOCALITY PLAN**

**DA/531/2023**

**No. 92A Malton Road, Beecroft**

**ATTACHMENT 1 - ITEM 1**







NOTE

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	B	ADDITIONAL INFO FOR DA	08.08.23	
	A	DEVELOPMENT APPLICATION	02.05.23	
	ISSUE	DESCRIPTION	DATE	

PROJECT ADDRESS: 92A MALTON ROAD, BEECROFT

APPLICANT: C & R CONROY

STAGE: DEVELOPMENT APPLICATION

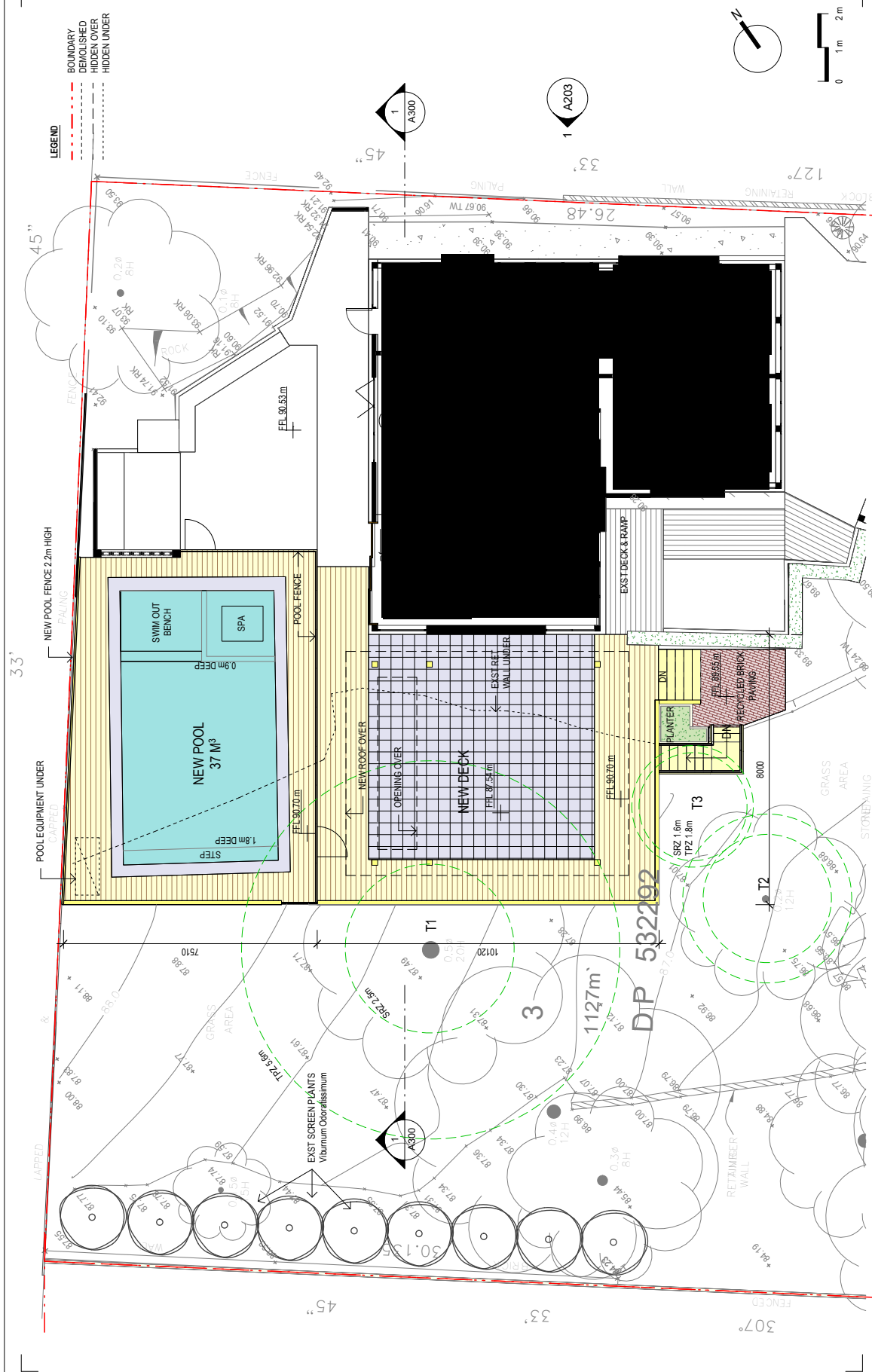
PROJ No: -

SCALE: 1 : 200

TITLE: NEW SITE AND ROOF PLAN

DRAWING No: **A101** ISSUE: **B**

# ATTACHMENT 2 - ITEM 1



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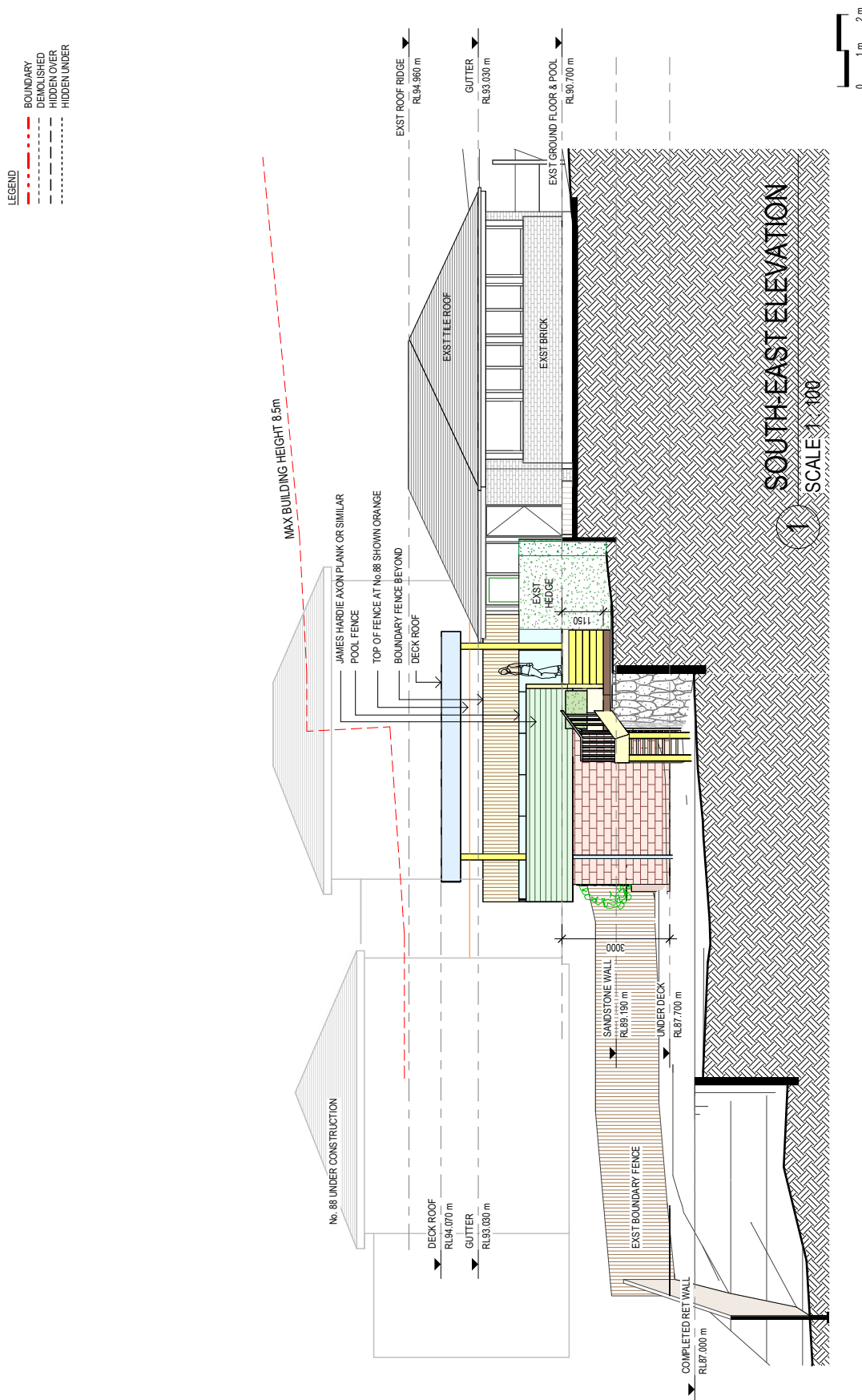
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**PROJECT ADDRESS:** 92A MALTON ROAD, BEECROFT  
**APPLICANT:** C & R CONROY  
**STAGE:** DEVELOPMENT APPLICATION  
**PROJ No:** A103  
**ISSUE:** B  
**DRAWING No:** A103  
**ISSUE:** B  
**SCALE:** 1:100

ISSUE	DESCRIPTION	DATE
B	ADDITIONAL INFO FOR DA	08.08.23
A	DEVELOPMENT APPLICATION	02.05.23

ATTACHMENT 2 - ITEM 1





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	A	DEVELOPMENT APPLICATION	02-05-23
	ISSUE	DESCRIPTION	DATE

PROJECT ADDRESS: 92A MALTON ROAD, BEECROFT

APPLICANT: C & R CONROY

STAGE: DEVELOPMENT APPLICATION

PROJ No: -

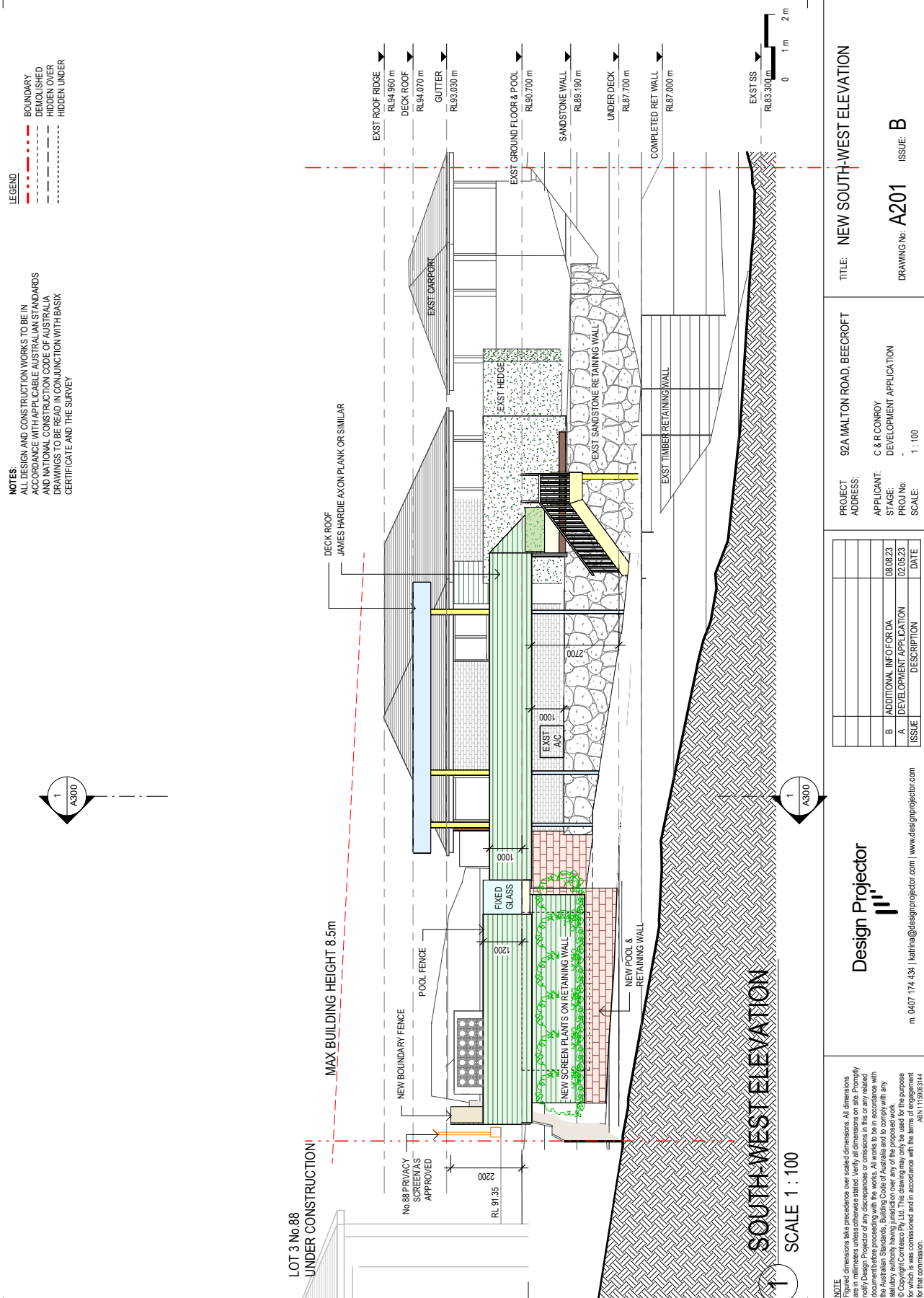
SCALE: 1 : 100

TITLE: NEW SOUTH-EAST ELEVATION

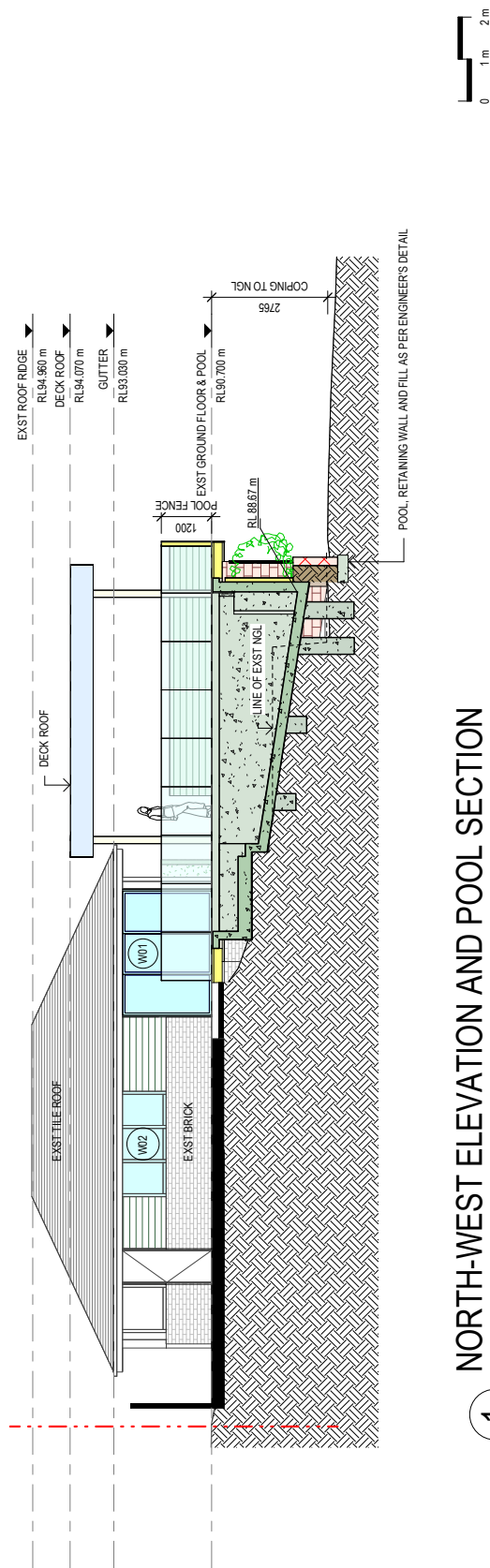
DRAWING No: **A200** ISSUE: **B**

# ATTACHMENT 2 - ITEM 1





# ATTACHMENT 2 - ITEM 1



NORTH-WEST ELEVATION AND POOL SECTION

SCALE 1 : 100

	B	ADDITIONAL INFO FOR DA	08.08.23
	A	DEVELOPMENT APPLICATION	02.05.23
	ISSUE	DESCRIPTION	DATE

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TITLE: NEW NORTH-WEST ELEVATION AND  
POOL SECTION

DRAWING No: **A202** ISSUE: **B**

PROJECT ADDRESS:  
92A MALTON ROAD, BEECROFT

APPLICANT: C & R CONROY  
STAGE: DEVELOPMENT APPLICATION

SCALE: 1 : 100

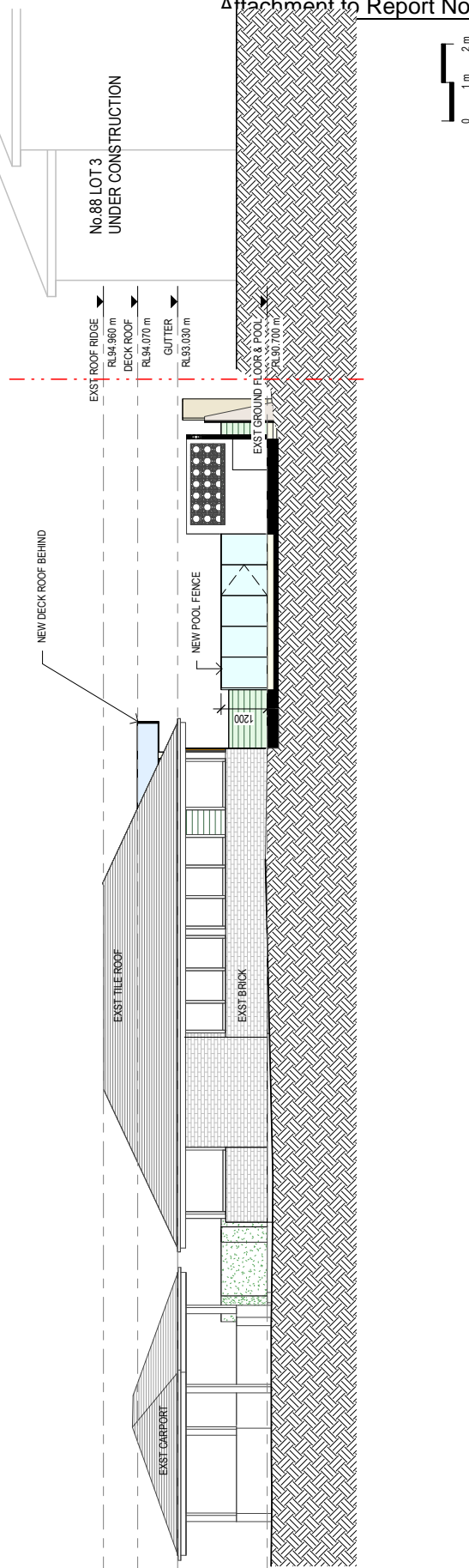


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TITLE: NEW NORTH-EAST ELEVATION

DRAWING No: **A203** ISSUE: **B**

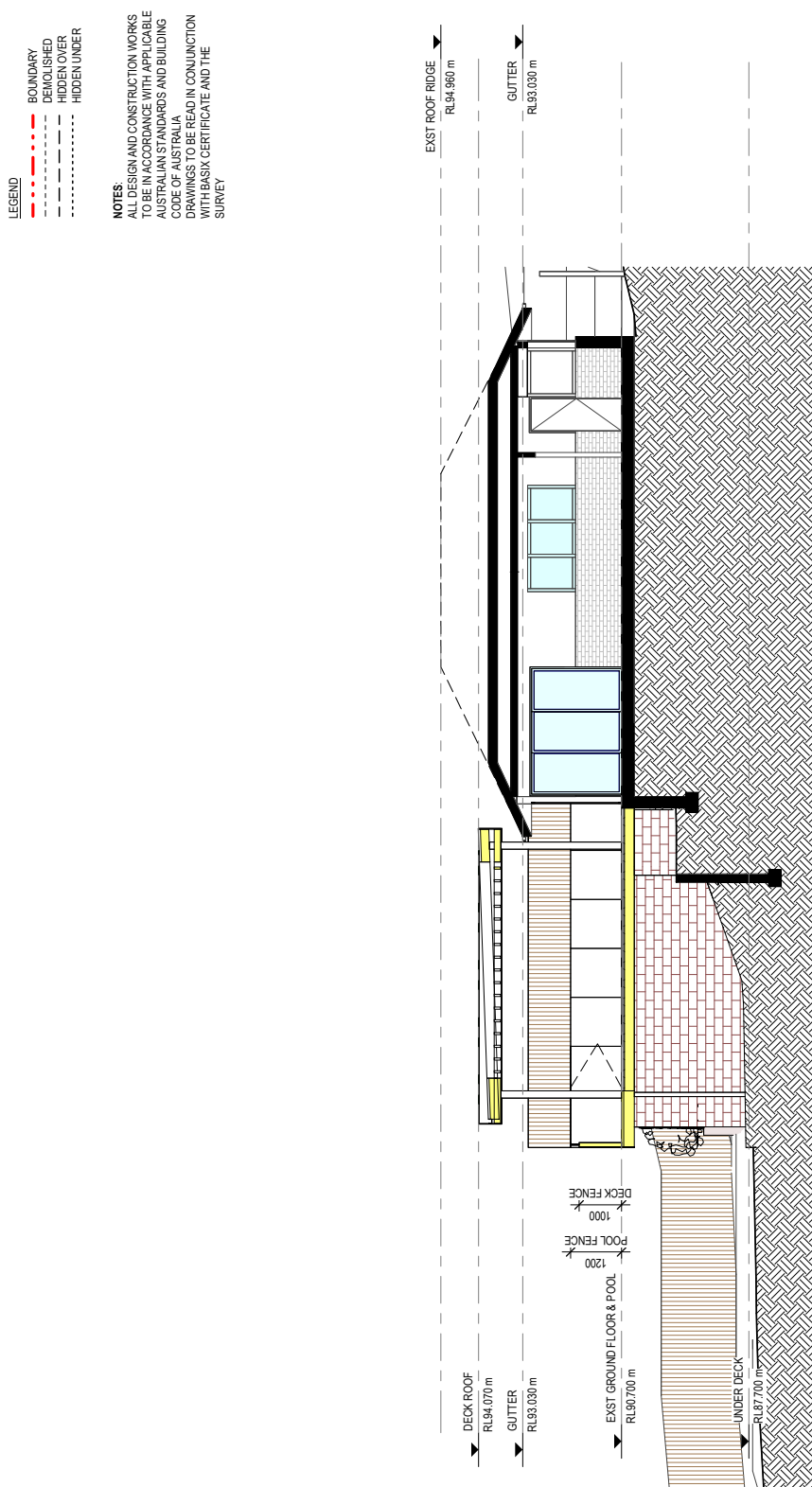
PROJECT ADDRESS: 92A MALTON ROAD, BEECROFT

APPLICANT: C & R CONROY  
STAGE: DEVELOPMENT APPLICATION

1:100

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# ATTACHMENT 2 - ITEM 1



Section 1  
SCALE 1 : 100

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	ISSUE	DESCRIPTION	DATE



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PROJECT ADDRESS: 92A MALTON ROAD, BEECROFT

APPLICANT: C & R CONROY

STAGE: DEVELOPMENT APPLICATION

PROJ No: -

SCALE: 1 : 100

TITLE: SECTION

DRAWING No: **A300** ISSUE: **B**

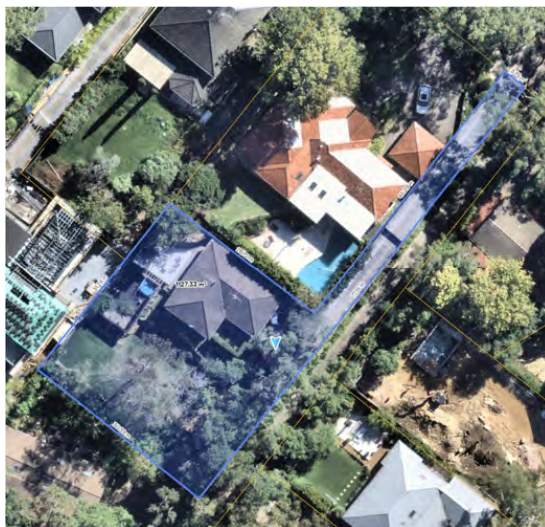


## ARBORICULTURAL IMPACT ASSESSMENT REPORT

Prepared For: Mr. & Mrs. Conroy

Site Address: 92A Malton Road,  
BEECROFT, NSW, 2119

Inspection Dates: 16<sup>th</sup> June 2023  
Report Date: 21<sup>st</sup> June 2023  
Amended Date: 9<sup>th</sup> August 2023 (Version 2)



*Image 1: The site as visible via Aerial Imagery (NearMap)*

Prepared by Gordon Blues  
Diploma (Arboriculture) AQF5  
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[GORDON@BLUESBROS.COM.AU](mailto:GORDON@BLUESBROS.COM.AU)



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

<b>1</b>	<b>Contents</b>	
1	Introduction .....	1
1.1	Background .....	1
1.2	Definitions & Abbreviations: .....	2
1.3	Change log: .....	2
1.4	Disclaimers: .....	2
2	Methodology .....	3
2.1	Visual Tree Assessment .....	3
3	Results .....	4
3.1	Desktop Research .....	4
3.2	The Site .....	5
3.3	The Development .....	5
3.4	The Trees .....	6
3.5	Construction impacts to the trees: .....	7
4	Conclusion .....	8
5	Recommendations: .....	9
5.1	Trees for removal .....	9
5.2	Trees for retention: .....	9
5.3	Construction Recommendations: .....	10
6	Tree Protection Plan: .....	11
6.1	Protective Fencing: .....	13
6.2	Trunk Armouring .....	14
6.3	Signage .....	15
6.4	Ground Protection .....	15
	Appendix 1 – Tree Data Summary .....	16
	Appendix 2 - Tree identification and incursion potentials .....	17
p		



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

## 1 Introduction

### 1.1 Background

- 1.1.1 Blues Brothers Arboriculture has been engaged by the owners to inspect and report trees for development purposes. Alterations and additions are proposed.
- 1.1.2 The scope of works includes the assessment or identification of thirteen trees, located within the vicinity of proposed development.
- 1.1.3 Information supplied and relied upon in the preparation of this report included:
  - Architectural suite of plans produced by Design Projector; Issue B, Dated 08/08/2023 inclusive:
    - Integrated detail survey of unknown author or date.
    - Floor Plans,
    - Elevations,
    - Sections.
  - Dial Before You Dig (DBYD); Job 34455925, Requested 21/06/2023.
  - Planning portal property report, Accessed 21/06/2023.
- 1.1.4 The use of these documents / sources is acknowledged with thanks.
- 1.1.5 The NSW Rural Fire Service online tool for determining eligibility under the '10/50' legislation was interrogated for the purposes of this report. As at the date of this report, the property is eligible under the code of practice, but is noted to contain exclusions and restrictions. Any use of the 10/50 Code is subject to further approvals.



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

## 1.2 Definitions & Abbreviations:

- 1.2.1 **The Standard** refers to the Australian Standard AS4970:2009 – *Protection of trees on development sites*.
- 1.2.2 **The site** refers to the land within the proposed development site.
- 1.2.3 An **Exempt Tree** is a tree that is exempt from planning controls due to meeting Council's definition of exempt vegetation or trees. Exempt Trees may be removed irrespective of development and at any time without Council approval.
- 1.2.4 A **significant root** is defined as any woody root with a diameter of 25mm or larger.
- 1.2.5 **AGL** – Above Ground Level
- 1.2.6 **LGA** – Local Government Area.
- 1.2.7 **DBH** – Diameter at Breast Height; Approximately 1.4 metres above ground level measured in metres.
- 1.2.8 **DGL** – Diameter at Ground Level; Measured above the root flare / collar measured in metres.
- 1.2.9 **TPZ** – Tree Protection Zone. Calculated per the standard:  
$$TPZ\ radius = 12 \times DBH$$
- 1.2.10 **SRZ** – Structural Root Zone. Calculated per the standard:  
$$SRZ\ radius = (DGL \times 50)^{0.42} \times 0.64$$
- 1.2.11 **FFL** – Finished Floor Level.
- 1.2.12 **RL** – Reduced Level.
- 1.2.13 **SEPP** – State Environmental Planning Policy.
- 1.2.14 **BYDA** – Before You Dig Australia (formerly Dial Before You Dig)

## 1.3 Change log:

- 1.3.1 Version 1 – Original.
- 1.3.2 Version 2 – Updated Plans following Council RFI / Commentary.

## 1.4 Disclaimers:

- 1.4.1 This report is considered limited to what could reasonably be seen from ground level only and expresses no commentary on changes which may have, or will, impact the trees or their environment outside the scope of works.



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

## 2 Methodology

### 2.1 Visual Tree Assessment

- 2.1.1 Trees were visually inspected from ground level only in accordance with VTA (Visual Tree Assessment); a methodology derived by Mattheck and Breloer (1994).
- 2.1.2 Canopy Assessment included foliage condition (volume and colour); the presence of pests and diseases, dieback, deadwood and epicormic growth.
- 2.1.3 Tree condition included assessment of structural stability, previous pruning and any damage/disturbance which may have occurred.
- 2.1.4 No destructive or aerial investigations occurred to the tree.
- 2.1.5 Hollows, where found or suspected, were probed to ascertain their size and extent to assist in calculating ratios of notional cavity size and useful life expectancy.
- 2.1.6 Access to neighbouring properties was not sought.
- 2.1.7 A rudimentary tree numbering schedule was hand-drawn on hardcopies of supplied architectural plans. Existing numbering was adopted with remaining trees assigned numbers for reference within this report. Tree tagging did not occur.
- 2.1.8 Tree data is displayed in Appendix 1.
- 2.1.9 Appendix 2 – Arboricultural mark-up including Tree identification, TPZ and SRZ zones and the degree of encroachment proposed by the development.
- 2.1.10 Tree height and canopy width were estimated with the assistance of a Leica Disto X4 (Laser Distometer).
- 2.1.11 A forestry Diameter tape was utilised in the measuring of trunk diameters of accessible high significance trees.
- 2.1.12 Tree significance values were derived from the IACA S.T.A.R.S Methodology for determining tree significance.





AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

### 3 Results

#### 3.1 Desktop Research

3.1.1 Research from the NSW Planning portal revealed the following information for the properties:

- Zoning: R2 – Low Density Residential.
- Heritage: “Beecroft, Cheltenham Heritage Conservation Area” of Local significance.

3.1.2 In accordance with published directives – Hornsby Council<sup>1</sup> a protected tree is defined as:

- a long-lived woody perennial plant with one or relatively few main stems with the potential to grow to a height greater than 3 metres.

3.1.3 Exempt works include:

- Removal of dangerous trees as deemed by Council.
- Tree works where the stem of the tree at ground level is within 3 metres of the foundation of an approved building (excluding detached garages, carports, and other buildings ancillary to a dwelling house).
- The removal of species listed under the NSW Biosecurity Act 2015.

3.1.4 The above exemptions do not apply to:

- All lands mapped as Biodiversity within the Terrestrial Biodiversity map.
- Threatened species or land that contains native vegetation which is habitat for threatened species.
- Any work to a tree that forms part of a heritage item or heritage conservation area.

3.1.5 The Beecroft area is known to contain vegetation forming part of the Critically Endangered Ecological Community (CEEC) known as “Sydney Turpentine Ironback Forest” (STIF).

According to the NSW office of Environment & Heritage (OEH), STIF is heavily fragmented with only 0.5% of its original extent remaining intact.

STIF is known to typically contain tree species including, but not limited to:

- |                                |                   |
|--------------------------------|-------------------|
| • <i>Syncarpia glomulifera</i> | Sydney Turpentine |
| • <i>Eucalyptus punctata</i>   | Grey Gum          |
| • <i>Eucalyptus saligna</i>    | Sydney Blue Gum   |
| • <i>Pittosporum undulatum</i> | Sweet Pittosporum |

<sup>1</sup> Source: Hornsby Council DCP 2013 – Accessed 21/06/2023:

<https://www.hornsby.nsw.gov.au/environment/flora-and-fauna/tree-management/private-trees/faqs/private-trees>



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

### 3.2 The Site

- 3.2.1 Located in the Eastern extents of Beecroft, the previously developed battle-axe site presented with a terraced westerly aspect in a locality presenting with a moderate-to-strong southerly aspect.
- 3.2.2 A single dwelling was located east of the the site. Private outdoor spaces were found to the rear of the property including areas of open lawn.
- 3.2.3 Landscaping on the site was limited to the rear garden. Retained areas of Lawn occupied much of the ground coverage and featured interspersed shrubs & smaller trees. Larger trees were found around the lower site perimeter.
- 3.2.4 Vegetation generally appeared in good health and condition. The vegetation was seen with varying states of landscape significance.
- 3.2.5 The site presents access restrictions for heavy plant & goods vehicles accessing the site due to existing structures and trees.

### 3.3 The Development

- 3.3.1 The scope of development includes alterations and additions to the existing dwelling including new:
  - Partially in-ground pool,
  - Covered decking with FFL proposed at RL90.70
  - Stairs linking the main living area to the lower yard, proposed of lightweight construction.
  - Associated retaining walls.
- 3.3.2 Sections provided indicate much of the proposed development will be undertaken above existing grade with excavation limited to that required for edge beam footings.
- 3.3.3 No trees are proposed for removal on the supplied plans.



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

### 3.4 The Trees

- 3.4.1 Thirteen trees were assessed as part of the scope of works due to their location with respect to the proposed development. All trees were located within the site perimeter.
- 3.4.2 Many of the trees were of a species commonly found in the STIF CEEC. Despite state government mapping indicating the site is not within the STIF footprint, the Arborist deems the site contains many STIF-significant trees worthy of retention.
- 3.4.3 Tree 1 was a Grey Gum standing with moderate health and condition. This tree was observed in a state of retrenchment featuring a sparse canopy, cambium injuries to the basal flare and trunk along with signs of longicorn impact.
- The tree appears to have been the subject of a termite attack at some point, evidenced by various flight cuts around the trunk to a height of 3m.
- Weed-matting (or other plastic-based fabric) was noted to be constricting the base of the tree.
- At the time of assessment, the Arborist considered this tree a candidate for removal irrespective of the development due to poor health.
- 3.4.4 Tree 2, an Illawarra Flame, appeared in good health despite an unusual lack of canopy development to the north of the tree. Foliage on this tree was somewhat chlorotic, but still considered healthy.
- It is likely that the tree's canopy development has resulted from crown-shyness with the canopy of another tree during juvenile life.
- 3.4.5 Trees 4 & 6 were seen in a nearly deceased state. The Pittosporum & Mulberry respectively, were sighted with approximately 90% of the canopy appearing dead. Both were considered as candidates for removal irrespective of the development as it is unlikely the trees will recover.
- 3.4.6 Tree 13 was noted to contain signs of kino staining of the lower trunk to approximately 2 metres above ground level. The tree, with trunk lean slightly to the west, appeared to be mostly stable despite evidence of root cuts at the base of the tree & a reduced soil volume for future growth.
- 3.4.7 Other trees on the site, detailed within appendices 1 and 2, appeared healthy and true to form. These trees did not warrant specific commentary with regard to the development.



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

### 3.5 Construction impacts to the trees:

- 3.5.1 Despite the development proposal within the TPZ and SRZ of the tree, constituting *Major Encroachment*, the proposed scope of construction is located entirely above existing grade.

Actual incursion of the TPZ and SRZ area is limited to that required for the construction of up to 6 isolated footings resulting in **low impacts**.

The tree is not considered to form a constraint on the development despite its existence in the STIF profile due to the observations of declining health.

- 3.5.2 *Major encroachment* of the TPZ (and SRZ) area of Tree 3 is proposed on plan view. Similar to Tree 1, actual incursion of the TPZ and SRZ area is limited to isolated footings for the stairs with **low impact** likely. This tree should not form a constraint on the development.
- 3.5.3 Trees 12 & 13, whilst not within an area of proposed development, are located such that **minor impacts** from development are possible due to the passage of workers, machinery & construction materials associated with the development.
- 3.5.4 Trees otherwise located on the site are unlikely to be impacted by the development due to respective locations to construction and existing retaining walls.
- 3.5.5 Other impacts pertaining to the development (such as drainage services) has not been assessed as information pertaining to these features was not available to the Arborist. Such features should be located outside of the TPZ areas of trees to be retained to minimise impacts. Where this is not possible, Arboricultural addendums may be required.



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

#### 4 Conclusion

- 4.1.1 Thirteen trees were assessed or identified as part of the scope of works, with all seen to be in mostly good health.
- 4.1.2 The proposed development will impact up to four of the assessed trees to a least minor degree. The supplied design appears to be sympathetic of trees to be retained due to the small scale of development.
- 4.1.3 Trees assessed outside the site perimeter are unlikely to be impacted to any discernible level other than indicated.
- 4.1.4 Two trees in poor health should be considered for removal irrespective of the development.
- 4.1.5 The Arborist supports the proposed development from an Arboricultural perspective.



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

## 5 Recommendations:

Refer to section 3.5 for further discussion relating to development impacts.

### 5.1 Trees for removal

- 5.1.1 It is recommended that Tree 1 is removed as part of the development application due to the poor health of the tree. As assessed, this tree is a candidate for removal irrespective of the development.
- 5.1.2 It is recommended that Trees 4 and 6 are removed due to poor scores of health and the assessment that the trees are unlikely to recover from their senescent state.
- 5.1.3 The Arborist notes that there is no obligation to remove any of the above trees approved for removal in the Conditions of Consent. The Arborist does not accept any liability resulting from development impacts for a tree recommended for removal.

### 5.2 Trees for retention:

- 5.2.1 All remaining trees not mentioned above are recommended for retention and protection throughout the development.
- 5.2.2 Following from Council correspondence regarding Tree 3, a pruning allowance of up to 25% of the trees canopy should be permissible as a once-off pruning allowance for the purposes of formative pruning and the provision for construction, and later pedestrian clearance.



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

### 5.3 Construction Recommendations:

- 5.3.1 It is recommended that that construction of isolated piers be excavated by manual or hydraulic (vacuum truck) excavation. This is to reduce the likelihood of root damage.

Where significant roots are found, footings must be relocated to preserve the root(s).

- 5.3.2 It is recommended that associated landscaping for the project includes a replacement planting strategy of species commonly found within the STIF CEEC. It is recommended that replacement planting should occur on *at least* a one-for-one basis for trees approved for removal.

- 5.3.3 It is recommended that the construction management plan considers likely paths of access to the site for tradespersons, building materials, and waste products. These paths should avoid TPZ areas where possible.

The tree protection plan provides an 'arborist preferred' approach for site access should the neighbouring driveway be used for site access. In such case where this option is utilised, tree protection measures must be established and maintained for the life of the project in this area.

- 5.3.4 It is recommended that as no point shall any area of the site be utilised for the washing down of equipment, concreting plant, etc other than in an approved, fully bunded receptacle for offsite treatment. Soil contamination from these products is likely to cause significant impacts to trees within the vicinity if it allowed to enter the ground.

- 5.3.5 It is recommended that works within the TPZ area of all trees to be retained are cautious of *significant roots (1.2.4)* which may exist below ground. These roots shall be protected as much as possible in accordance with the standard (1.2.1) and advice from an AQF5 Arborist.

- 5.3.6 It is recommended that the tree protection plan (next section) is implemented prior to the commencement of works (demolition or otherwise).





AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

## 6 Tree Protection Plan:

6.1.1 A Tree Protection Plan (TPP) is recommended for this project.

6.1.2 The appointment of a project arborist is not required for this project.

6.1.3 The following table summarises the most appropriate tree protection devices required for the life of the project where trees are retained:

Tree ID	Fencing Required	Trunk Armouring Required	Ground Protection Required	Signage Required
1	Yes, 3m radius (at least)	If not fenced	No	Yes
2	No	Yes, 2.5m	Preferred	Yes
3	No	Yes, 2m	No	No
5	Preferred, TPZ offset	If not fenced (2m above upper level)	No	Yes
7-11	Yes, as indicated	No	No	Yes
12	Yes, as indicated	Preferred: exposed flank at carport level	No	Yes
13	Preferred, Edge of existing driveway	If not fenced, 2.5m above ground	No	Yes



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

- 6.1.4 Protective fencing for trees 7-12 is to be installed in a manner which creates an exclusion zone around these trees as indicated. The installation of fencing must be executed as indicated due to the high significance values of STIF trees.
- 6.1.5 Scope is provided to accommodate the use of a neighbouring driveway in the event of its use. The straw-hatched 'access-road' is proposed between the TPZ areas of Trees 11 & 12 with a width of 2.5m.
- Should this road be used, ground protection (detailed below) shall be installed and maintained for the life of the project. The reconfiguration of Tree Protective Fencing is permitted as part of this process as indicated.
- 6.1.6 Where landscaping works (or otherwise) are required within the TPZ area, landscaping should occur by manual methods following consultation with an AQF5 qualified Arborist.
- 6.1.7 Where ambiguity or questions present regarding Tree Protection, a Project Arborist (or otherwise suitably qualified person) must be contacted in the first instance for advice. This clause is not a recommendation for the appointment of a project arborist.
- 6.1.8 Recommendations provided above are the minimum specification required for compliance. Additional protection zones should be afforded to the trees where possible.
- 6.1.9 Tree protection is a vitally important part of the development. Damage that occurs during construction is, in most cases, permanent. Consideration of living with unsightly scarring should occur before any works commence.
- 6.1.10 **Tree protection devices must be installed prior to demolition** and maintained throughout the life of the project.
- 6.1.11 Refer to the following sections for details of the implementation of tree protection.

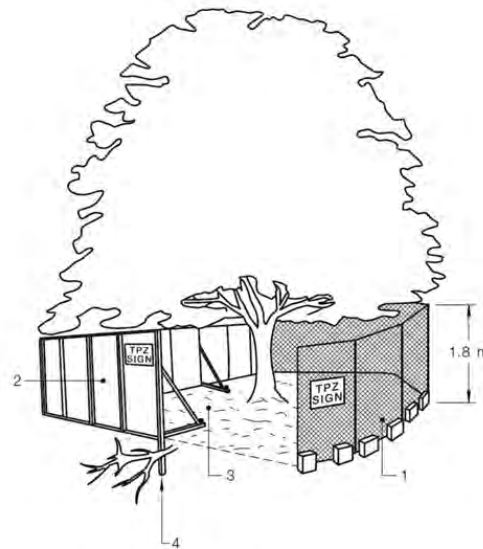


AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

## 6.1 Protective Fencing:

- 6.1.1 Protective fencing shall consist of standard temporary fencing panels enclosing all soft areas (turfed /exposed soil etc) beneath the canopies of trees to be retained. A radial offset from trunk centre may be stipulated for specific trees; however, Fencing shall ideally be located at the edge of the TPZ unless otherwise advised by the site arborist.
- 6.1.2 Fencing shall be erected in a manner that prevents worker or plant access during all phases of construction and demolition. Fencing may integrate with existing fences on the site. Protective fencing may also be the site perimeter fencing.
- 6.1.3 Signage (referred below) shall be affixed to the outer faces of the fence to maintain worker awareness.
- 6.1.4 The project arborist shall be contacted prior to any contractor entering the restricted area or upon discovery of unauthorised entry / interference. No exceptions to this clause are permitted.



### LEGEND:

- 1 Chain wire mesh panels with shade cloth (if required) attached, held in place with concrete feet.
- 2 Alternative plywood or wooden piling fence panels. This fencing material also prevents building materials or soil entering the TPZ.
- 3 Mulch installation across surface of TPZ (at the discretion of the project arborist). No excavation, construction activity, grade changes, surface treatment or storage of materials of any kind is permitted within the TPZ.
- 4 Bracing is permissible within the TPZ. Installation of supports should avoid damaging roots.

FIGURE 3 PROTECTIVE FENCING

*Figure 1: An example of Tree Protective Fencing. Diagram Copyright of Standards Australia (AS4970:2009 - Protection of Trees on Development Sites.)*

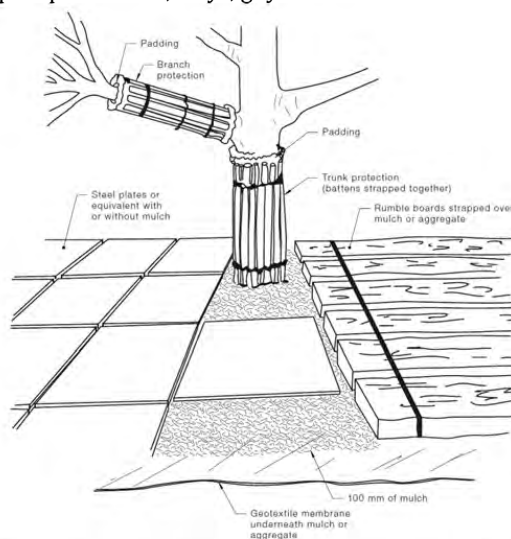


AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

## 6.2 Trunk Armouring

- 6.2.1 Trunk armouring is the temporary affixing of battens around a tree's trunk (including root flare) and or branches. Trunk armouring requires three main components:
- Porous, readily draining materials such as hessian or Geo-Textile fabric shall be used for padding limbs to be armoured. Duct tape or gaffer's tape can be used to temporarily affix padding during installation.
  - Timber battens with a minimum size of 40x80mm are to be arranged around the trunk & branches to be protected. Battens shall be spaced no further than 100mm apart.
  - Battens and padding can be secured using either galvanised builders strapping (preferred) or nylon tie-down straps (both ratchetting, and cam-buckle styles are acceptable).
- 6.2.2 Nylon straps may be beneficial in temporarily supporting timber battens during installation.
- 6.2.3 The use of 25mm (or thicker) plywood board may be used in conjunction with cushioning and battens around the root flare of trees to be protected.
- 6.2.4 Under no circumstance may the tree be physically harmed during the installation of trunk armouring. This means the tree shall not be drilled, nailed, or otherwise used to support powerlines, stays, guys etc.



### NOTES:

- 1 For trunk and branch protection use boards and padding that will prevent damage to bark. Boards are to be strapped to trees, not nailed or screwed.
- 2 Rumble boards should be of a suitable thickness to prevent soil compaction and root damage.

FIGURE 4 EXAMPLES OF TRUNK, BRANCH AND GROUND PROTECTION

Figure 2: An example of trunk armouring and ground protection. Diagram Copyright of Standards Australia (AS4970:2009 - Protection of Trees on Development sites.)



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

### 6.3 Signage

- 6.3.1 Fenced areas shall be appropriately signposted prominently with the appointed project arborist's contact details and the wording:

*"TREE PROTECTION ZONE  
NO ACCESS WITHOUT PRIOR APPROVAL OF THE PROJECT ARBORIST"*

- 6.3.2 Trunk armouring devices shall be appropriately signposted with the appointed project arborist's contact details and the wording:

*"TREE PROTECTION DEVICE  
DO NOT INTERFERE WITHOUT PRIOR APPROVAL OF THE PROJECT ARBORIST"*

### 6.4 Ground Protection

- 6.4.1 Ground protection is the installation of devices which reduce soil compaction and root damage.
- 6.4.2 Ground protection shall consist of a woodchip mulch layer distributed evenly over the indicated areas having a minimum thickness of 100mm.
- 6.4.3 The mulched area is then covered with commercially available load distribution boards, road plates or plywood sheeting (with a minimum thickness of 25mm.)
- 6.4.4 Areas indicated for ground protection shall not be utilised for the stockpiling of materials or vehicular parking throughout the life of the project. Likewise, these areas must not be used for washing down or cleaning of any equipment or plant due to the risk of soil contamination and tree impact.



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

## Appendix 1 – Tree Data Summary

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16

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# ATTACHMENT 3 - ITEM 1

Tree Data Summary - 92A Malton Rd, Beecroft - Assessed 16/06/2023																		
Tree ID	Species	Height (m)	Canopy dims n/s in metres	DBH (cm)	DGL (cm)	Foliage condition	Maturity	Trunk type	Trunk lean	Canopy Balanced	Past Pruning	Stability	Vigour	Canopy deadwood	Significance value	Notes	TPZ (M) Radius	SRZ (M) Radius
T1	<i>Eucalyptus punctata</i> (Grey Gum)	18	15	47	52	Moderate	Mature	Single	Upright	Balanced	Lower Limbs	Mostly Stable	Moderate	5-10%	Moderate	Longicorn impacts	5.6	2.5
T2	<i>Brachyditton acerifolius</i> (Illawarra Flame)	14	6	21	26	Good	Mature	Single	Upright	Balanced	Minor throughout	Appears Stable	Good	0-5%	Low	Tree presents with unusual canopy development with a distinct lack of branching to the northern flank. Foliage sighted appearing slightly chlorotic, but still within the realms of "good health" for the season.	2.5	1.9
T3	<i>Banksia integrifolia</i> (Coastal Banksia)	6	4	15	18	Good	Mature	Single	Upright	Balanced	Not evident	Appears Stable	Good	0-5%	Low	Tree plotted by arborist. Located within planter box with limited soil volume.	1.8	1.6
T4	<i>Pittosporum undulatum</i> (Sweet Pittosporum)			0		Poor	Mature	Single	Bias west						Very Low	Tree appearing 90% dead. Consider removal irrespective of development	0.0	0.0
T5	<i>Pittosporum undulatum</i> (Sweet Pittosporum)	5	4	17	21	Moderate	Mature	Single	Upright	Yes	Not evident	Appears Stable	Moderate	0-5%	Low		2.0	1.7
T6	<i>Morus sp.</i> (Mulberry)			0		Poor									Very Low	Tree appearing 90% dead. Consider removal irrespective of development	0.0	0.0
T7	<i>Eucalyptus pilularis</i> (Blackbutt)	16	12	35	40	Good	Mature	Single	Bias WSW	Bias WSW	Not evident	Appears Stable	Good	0-5%	High	Tree appearing true to form, unlikely to be impacted by development.	4.2	2.3
T8	<i>Angophora costata</i> (Smooth Bark Apple)	15	11	31	37	Good	Mature	Single	Bias WNW	Bias WNW	Not evident	Appears Stable	Good	0-5%	High	Tree appearing true to form, unlikely to be impacted by development.	3.7	2.2
T9	<i>Syncarpia glomulifera</i> (Sydney Turpentine)	18	8	54	75	Good	Mature	Twin	Upright	Yes	Not evident	Appears Stable	Good	0-5%	High	Tree appearing true to form, unlikely to be impacted by development.	6.5	2.9
T10	<i>Syncarpia glomulifera</i> (Sydney Turpentine)	15	11	37	42	Good	Mature	Single	Upright	Yes	Not evident	Appears Stable	Good	0-5%	High	Two trees with similar attributes. TPZ & SRZ shown in Appendix 2 represents each tree (not aggregated). Both trees appearing true to form.	4.4	2.3
T11	<i>Pittosporum undulatum</i> (Sweet Pittosporum)	6	12	33	125	Good	Mature	Triple	Spreading (Mallee)	Yes	Not evident	Appears Stable	Good	0-5%	Low	Likely to have fused trunks below grade. Tree in surprisingly good health compared with other specimens in vicinity	4.0	3.6
T12	<i>Corymbia citriodora</i> (Lemon-scented Gum)	20	20	50	60	Good	Mature	Single	Upright	Yes	Lower Limbs (Historical)	Appears Stable	Good	0-5%	High	Limited access to undertake DBH/DGL measurements. Tree exists in-situ of carport with ample clearance.	6.0	2.7
T13	<i>Banksia integrifolia</i> (Coastal Banksia)	7	8	45	55	Good	Mature	Single	Bias West	Yes	Lower Limbs	Mostly Stable*	Good	0-5%	Moderate	Kino staining of trunk noted to 1.8m AGL. Evidence of previous root cuts(*) & pavement over roots. Tree exists in area of reduced soil volume.	5.4	2.6

# ATTACHMENT 3 - ITEM 1





AIA REPORT

92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023VERSION: 2 – 9<sup>TH</sup> AUGUST 2023**Appendix 2 - Tree identification and incursion potentials**

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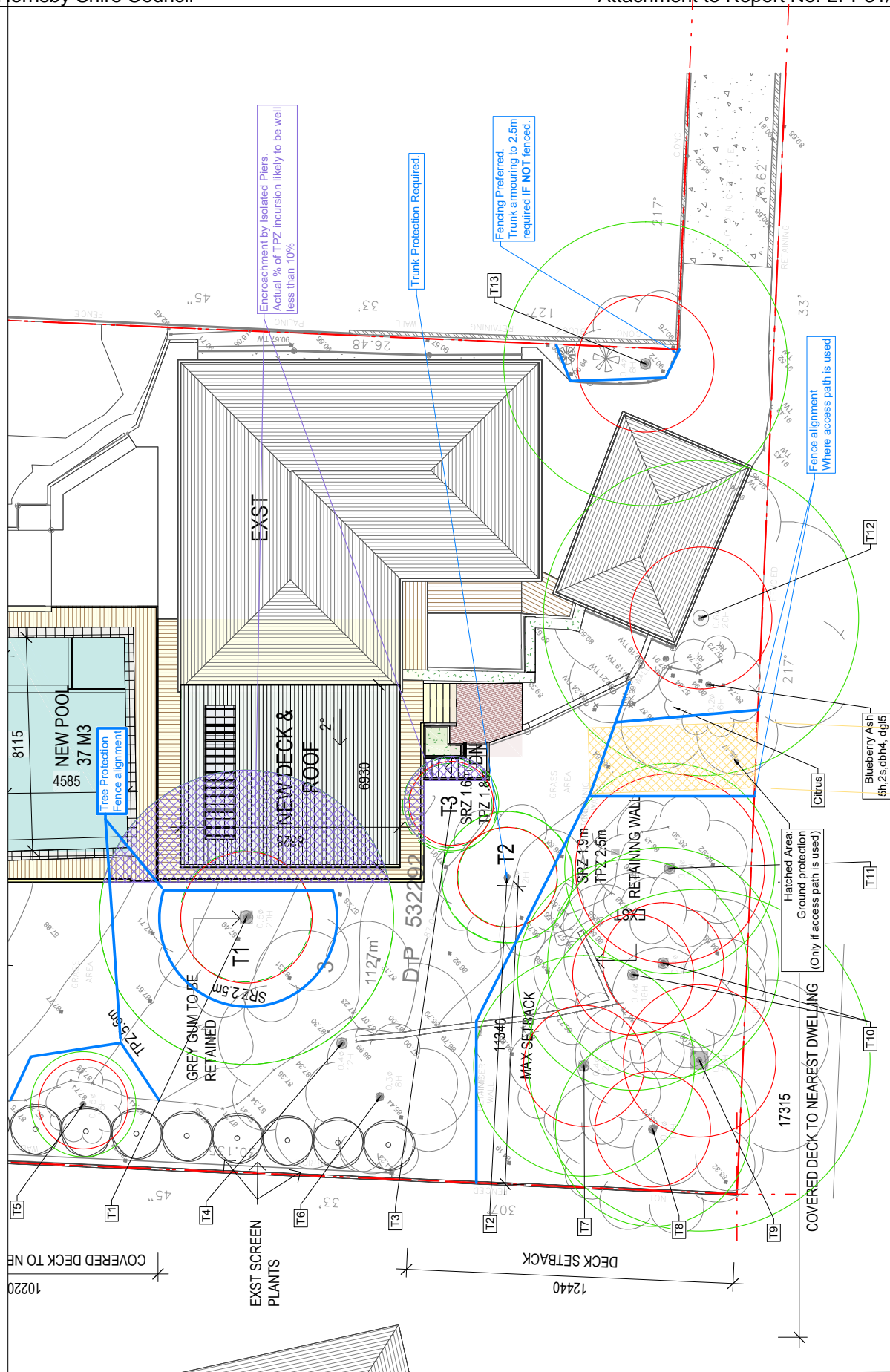
17


# ATTACHMENT 3 - ITEM 1



 <b>Blues Brothers Arboriculture</b> PO BOX 4, TERREY HILLS, NSW, 2084	Blues Brothers Arboriculture PO BOX 4, TERREY HILLS, NSW, 2084	<b>Title:</b> Tree Identification	<b>Revision:</b> 01	<b>Rev:</b> <div> <div>Tree Protection Zone (TPZ)</div> <div>Structural Root Zone (SRZ)</div> <div>Canopy Spread</div> <div>Encroachment Area</div> </div>
	0439991122 <a href="http://www.bluesbros.com.au">www.bluesbros.com.au</a> <a href="mailto:gordon@bluesbros.com.au">gordon@bluesbros.com.au</a>	<b>Project:</b> 92A Mallon Rd Beecroft.dwg	<b>Date:</b> 09/08/2023	

# ATTACHMENT 3 - ITEM 1



 <b>Blues Bros</b> ARBORICULTURE	Blues Brothers Arboriculture PO BOX 4, TERREY HILLS, NSW, 2084	TITLES: Tree Protection PROJECT: 92A Mallon Rd Beecroft.dwg	REVISION: 01 DATE: 09/08/2023	KEY: <div> <div>Tree Protection Zone (TPZ)</div> <div>Structural Root Zone (SRZ)</div> <div>Canopy Spread</div> <div>Encroachment Area</div> </div>
	Project Name:			Scale:

# ATTACHMENT 3 - ITEM 1



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023

### Appendix 3 – Photographs



*Image 2: The rear yard of the site as seen. Tree 1 featured [centre].*



*Image 3: Flight cuts and cambium injury to Tree 1.*

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18

ATTACHMENT 3 - ITEM 1





AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023



*Image 4: The base of Tree 1 as seen with constriction.*



*Image 5: Existing features of the site. Tree 2 [right], Tree 3 [Front, Centre-right], Tree 12 [centre-rear].*

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19

# ATTACHMENT 3 - ITEM 1



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023



*Image 6: Trees 2 & 7-11, located in the southern corner of the site.*

# ATTACHMENT 3 - ITEM 1



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023



*Image 7: Tree 12 as seen from the rear yard. No impacts are likely to occur throughout construction.*

# ATTACHMENT 3 - ITEM 1



AIA REPORT  
92A MALTON RD, BEECROFT

REPORT DATE: 21<sup>ST</sup> JUNE 2023  
VERSION: 2 – 9<sup>TH</sup> AUGUST 2023



*Image 8: Tree 13 as seen. The protection of this tree may prove to be a challenge.*

# ATTACHMENT 3 - ITEM 1