

| Application | for |
|-------------|-----|

Office Use Only

Application No.:

## **Planning Permit**

Planning Enquiries Phone:

Web: http://www.hume.vic.gov.au

If you need help to complete this form, read How to Complete the Application for Planning Permit form.

Any material submitted with this application, including plans and personal information, will be made available for public viewing, including electronically, and copies may be made for interested parties for the purpose of enabling consideration and review as part of a planning process under the Planning and Environment Act 1987. If you have any concerns, please contact Council's planning department.

/

Date Lodged:

A Questions marked with an asterisk (\*) are mandatory and must be completed.

A If the space provided on the form is insufficient, attach a separate sheet.

#### The Land

(1) Address of the land. Complete the Street Address and one of the Formal Land Descriptions. Street Address \*

Formal Land Description \* Complete either A or B.



This information can be found on the certificate of title.

| U  | nit No.:          | St. No.: 13  | St. Na     | me: WA\                | /ERLEY ST      |             |
|----|-------------------|--------------|------------|------------------------|----------------|-------------|
| S  | uburb/Locality: B | ROADMEADOWS  |            |                        | Pos            | stcode:3047 |
| Α  | Lot No.: 243      | OLodged Plan | Title Plan | <ul><li>Plan</li></ul> | of Subdivision | No.: 058948 |
| OR |                   |              |            |                        |                |             |
| В  | Crown Allotmen    | t No.:       |            |                        | Section No.:   |             |
|    | Parish/Townshi    | p Name:      |            |                        |                |             |

### The Proposal

delay your application.

For what use, development or other matter do you require a permit? \*

If you need help about the proposal, read: How to Complete the Application for Planning Permit Form

Estimated cost of development for which the permit is required \*

**DUAL OCCUPANCY** CONSTRUCTION OF A NEW DOUBLE STOREY DWELLING TO THE REAR OF EXISTING DWELLING ON SITE



Provide additional information on the proposal, including: plans and elevations; any information required by the planning scheme, requested by Council or outlined in a Council planning permit checklist; and if required, a description of the likely effect of the proposal.

Cost \$356K You may be required to verify this estimate. Insert '0' if no development is proposed (eg. change of use, subdivision, removal of covenant, liquor licence)

#### Existing Conditions

Describe how the land is used and developed now \*

> eg. vacant, three dwellings, medical centre with two practitioners, licensed restaurant with 80 seats, grazing.

| SINGLE D |
|----------|
|----------|

A You must give full details of your proposal and attach the information required to assess the application. Insufficient or unclear information will

Provide a plan of the existing conditions. Photos are also helpful.

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#### Encumbrances on title \* Does the proposal breach, in any way, an encumbrance on title such as a restrictrive covenant, section 173 agreement or other obligation such as an easement or building envelope? If you need help about the title, read: Yes. (If 'yes' contact Council for advice on how to proceed before continuing with this application.) How to Complete the O No Application for Planning Permit Form Not applicable (no such encumbrance applies). Provide a full, current copy of the title for each individual parcel of land forming the subject site. (The title includes: the covering 'register search statement', the title diagram and the associated title documents, known as 'instruments', eg. restrictive covenants.) **Applicant and Owner Details** Provide details of the applicant and the owner of the land. Applicant \* Name: First Name: CHINH Title: Mr Surname: MAI The person who wants the permit. Organisation (if applicable): PLANNING & DESIGN Postal Address: If it is a P.O. Box, enter the details here: Unit No.: St. No.: 31 St. Name: ENFIELD AVE Suburb/Locality: PRESTON Postcode: 3072 State: VIC Where the preferred contact Contact person's details \* person for the application is Same as applicant (if so, go to 'contact information') different from the applicant, Name: provide the details of that Title: Mr First Name: CHINH Surname: MAI person. Organisation (if applicable): PLANNING & DESIGN Postal Address: If it is a P.O. Box, enter the details here: Unit No.: St. No.: 31 St. Name: ENFIELD AVE Suburb/Locality: PRESTON State: VIC Postcode:3072 Please provide at least one **Contact information** contact phone number \* Business Phone: 0390181529 Email: ADMIN@PLANNINGANDDESIGN.COM.AU Mobile Phone: 0411758381 Fax: rpose inning

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Title Information

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### DECLARATION FOR AMENDMENT TO A PLANNING PERMIT APPLICATION



| • | PLANNING PERMIT NO: |
|---|---------------------|
|   | Office Use Only:    |
|   | DATE RECEIVED:      |
|   | FEE PAID: \$        |

Planning and Environment Act 1987 Sections 50 & 50A & 57A. Planning and Environment Regulations, Regulation 16. Council is collecting the information on this form so that it may consider your application in accordance with Part IV of the Planning and Environment Act 1987. Council must make a copy of this application available for any person to inspect free of charge in accordance with Section 51 of the Act.

Please print clearly. Please read the notes on the back before completing this form.

| THE AF | PPLICANT: Who is making this amendment |  |
|--------|--|--|
| Name:  | CHINH MAI                              |  |
| Tel.:  | 0390181529                             |  |
| Addres | s: 31 ENFIELD AVE, PRESTON, VIC        |  |
|        |  |  |

THE LAND: Give the address and title particulars of the land.

13 WAVERLEY ST, BROADMEADOWS VIC 3047

**PROPOSED AMENDMENTS:** what changes are being requested since lodging the original application for planning permit (attach letter if required)

| promise promise (animos)                        |
|---|
| FLOOR LEVEL RAISED                              |
| CHANGES AS REQUESTED IN RFI. REFER COVER LETTER |
|   |
|   |

|   | This form must be signed. Please complete A   | , B or C             |  |
|---|---|----------------------|--|
| A | I declare that I am the Applicant and Owner of this land that all information given is true and correct             |                      |  |
|   |   | Date:                |  |
| В | I am the Owner of the land. I have seen this application  | Owner Signature:     |  |
|   |   | Date:                |  |
|   | I/We the Applicant declare that all information given is true and correct   | Applicant Signature: |  |
|   |   | Date:                |  |
| С | I/We the Applicant declare that I/We have notified about this application and that all information given is correct |                      |  |

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#### How to Amend an Application for a Planning Permit

#### Section 50. Amendment to application at request of applicant before notice

- (1) An applicant may ask the responsible authority to amend an application before notice of the application is first given under section 52.
- (2) An amendment to an application may include—
  - (a) an amendment to the use or development mentioned in the application; and
  - (b) an amendment to the description of land to which the application applies; and
  - (c) an amendment to any plans and other documents forming part of or accompanying the application.
- (3) A request under this section must—
  - (a) be accompanied by the prescribed fee (if any); and
  - (b) be accompanied by any information or document referred to in section 47(1)(c) to 47(1)(e) that relates to the proposed amendment to the application and that was not provided with the original application; and
  - if the applicant is not the owner of the land to which the application applies, be signed by the owner or include a declaration by the applicant, that the applicant has notified the owner about the request.
- (4) Subject to subsection (5), the responsible authority must amend the application in accordance with the request.
- 5) The responsible authority may refuse to amend the application if it considers that the amendment is so substantial that a new application for a permit should be made.
- (6) The responsible authority must make a note in the register if any amendment is made to an application under this section.
- (7) On the amendment of an application under this section, the amended application is to be taken—
  - (a) to be the application for the purposes of this Act; and
  - (b) to have been received on the day that the request for amendment was received by the responsible authority.

#### 50A. Amendment of application by responsible authority before notice

- (1) With the agreement of the applicant and after giving notice to the owner, the responsible authority may make any amendments to an application that it thinks necessary before notice of the application is first given under section 52.
- (2) An amendment to an application may include—
  - (a) an amendment to the use or development mentioned in the application; and
  - (b) an amendment to the description of land to which the application applies; and
  - (c) an amendment to any plans and other documents forming part of or accompanying the application.
- (3) The responsible authority may require the applicant—
  - (a) to notify the owner under subsection (1); and
  - (b) to make a declaration that that notice has been given.
- (4) The responsible authority must make a note in the register if any amendment is made to an application under this section.
- (5) On the amendment of an application under this section, the amended application is to be taken—
  - (a) to be the application for the purposes of this Act; and
  - (b) to have been received on the day that the applicant agreed to the amendment.

#### 57A. Amendments to application after notice of application is given

- (1) An applicant may ask the responsible authority to amend an application after notice of the application is given under section 52.
- (2) An amendment to an application may include—
  - (a) an amendment to the use or development mentioned in the application; and
  - (b) an amendment to the description of land to which the application applies; and
  - (c) an amendment to any plans and other documents forming part of or accompanying the application.
- (3) A request under this section must-
  - (a) be accompanied by the prescribed fee (if any); and
  - (b) be accompanied by any information or document referred to in section 47(1)(c) to 47(1)(e) that relates to the proposed amendment to the application and that was not provided with the original application; and
  - (c) if the applicant is not the owner of the land to which the application applies, be signed by the owner or include a declaration by the applicant that the applicant has notified the owner about the request.
- (4) Subject to subsection (5), the responsible authority must amend the application in accordance with the request.
- (5) The responsible authority may refuse to amend the application if it considers that the amendment is so substantial that a new application for a permit should be made.
- (6) The responsible authority must make a note in the register if any amendment is made to an application under this section.
- (7) On the amendment of an application under this section—
  - (a) the amended application is to be taken-
    - (i) to be the application for the purposes of this Act; and
    - (ii) to have been received on the day that the request for amendment was received by the responsible authority;
  - (b) all objections made in relation to the original application are to be taken to be objections to the amended application.
- (8) Nothing in this section affects any right a person may have to make a request under section 87 or 89 in respect of anything done or not done in relation to the original application.
- (9) Sections 52 and 55 do not apply to an amended application.

Send your completed form and all documents to the Responsible Authority:

HUME CITY COUNCTIONS TO THE SOLD PURPOSE THE SOLD PURPOSE POBOX 119, DALLAS 3047 - 10/79 11 PARE TO THE TOTAL FOR TH

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### REGISTER SEARCH STATEMENT (Title Search) Transfer of Land Act 1958

Page 1 of 1

VOLUME 08868 FOLIO 471

Security no: 124099327532U Produced 01/08/2022 10:31 AM

#### LAND DESCRIPTION

Lot 243 on Plan of Subdivision 058948.

PARENT TITLES:

Volume 08744 Folio 066 Volume 08833 Folio 419

Created by instrument A078333 21/12/1970

#### REGISTERED PROPRIETOR



#### ENCUMBRANCES, CAVEATS AND NOTICES

Any encumbrances created by Section 98 Transfer of Land Act 1958 or Section 24 Subdivision Act 1988 and any other encumbrances shown or entered on the plan or imaged folio set out under DIAGRAM LOCATION below.

#### DIAGRAM LOCATION

SEE LP058948 FOR FURTHER DETAILS AND BOUNDARIES

#### ACTIVITY IN THE LAST 125 DAYS

NIL
-----END OF REGISTER SEARCH STATEMENT----Additional information: (not part of the Register Search Statement)
Street Address: 13 WAVERLEY STREET BROADMEADOWS VIC 3047

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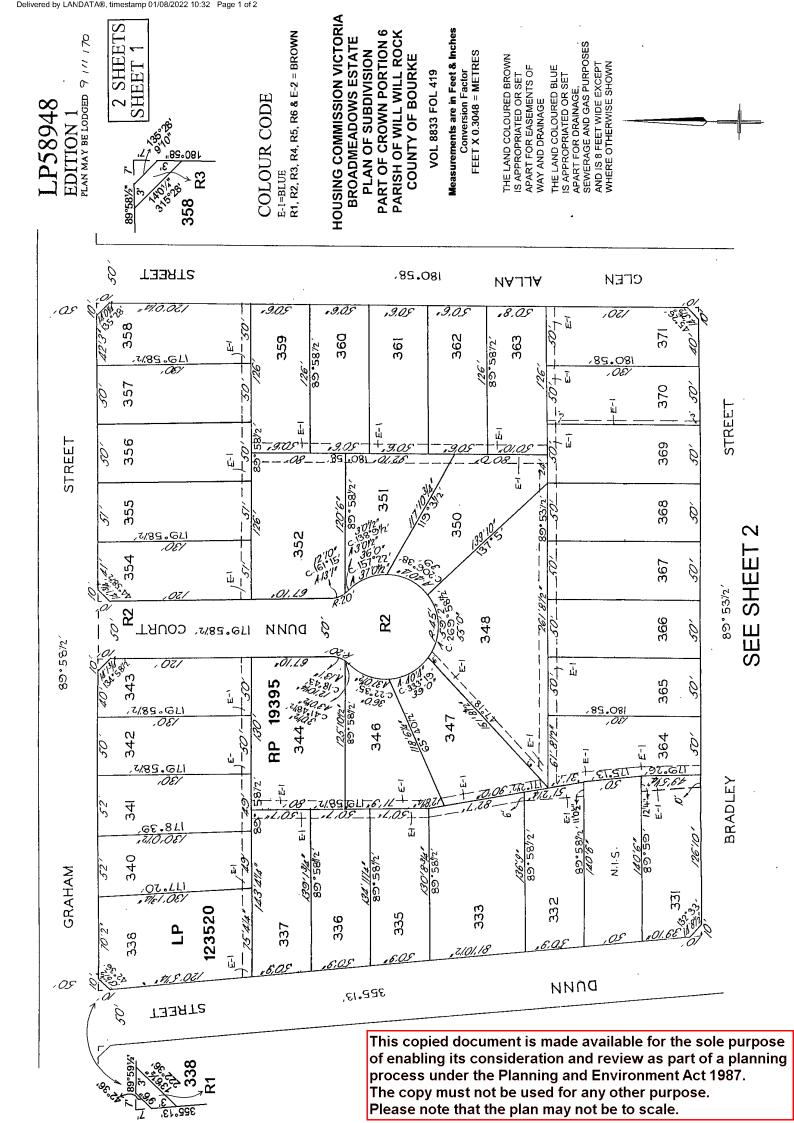
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#### PLANNING AND DESIGN

31 Enfield Avenue Preston VIC 3072

T: 03 9018 1529

E: admin@planninganddesign.com.au

#### PLANNING REPORT ASSESSMENT

13 Waverley Street, Broadmeadows

Proposed development of one dwelling to the rear of an existing

Municipality: Hume City Council

Planning Application Number: to be

confirmed

Applicant: Planning & Design P/L

Dated: 17 August 2022

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# **01** | Proposal

The proposal involves the development of one dwelling to the rear of an existing dwelling in a General Residential Zone (GRZ1). Key features of the development are summarized below:

#### **Dwelling Layout**

- Proposed one double storey dwelling (unit 2) is sited to the rear of an existing single storey dwelling (unit 1).
- Unit 1 is renovated to have two bedrooms.
- Unit 2 is designed with traditional living configurations featuring one bedroom on the ground level, and three bedrooms on the first level.

#### Vehicle access and car parking

- The existing crossover is to be retained for vehicle access to both dwellings.
- Unit 1 is provided with a single car space.
- Unit 2 is provided with a single garage and single carport.

#### Landscaping

- Existing vegetation on site will be removed.
- Comprehensive landscaping will be introduced with new plantings.
- All dwellings will have direct access to secluded private open space from the living/meals area.

#### Setbacks & Building Heights

- Front setback remains the same, approximately 7.7m from the street.
- The overall height of the proposed dwelling is 7.4m to the top of the roof ridge.

#### Other features

• No front fence is proposed for this development.

#### **Planning Permit Trigger**

Planning permit is required under Clause 32.08-6 of the Hume Planning Scheme to construct two or more dwellings on a lot in a General Residential Zone. The development must meet the requirements of Clause 55.

# **02** | Site and Surrounds

#### **Subject Site**

The subject site is located on the south side of Waverley Street. The site has a total area of 603.9sqm, with a front and rear boundary of 15.24m and two side boundaries of 39.62m. The site has a fall of approximately 0.6m from north to south. An easement is present along the rear boundary of the site.



The current site contains a detached single storey rendered dwelling with pitched tile roof. The house has a setback of approximately 7.7m from Waverley Street. The front yard is low maintenance, with a 0.5m high front fence of brick piers and metal infill. A wooden ramp is present to the side of the dwelling, connecting to the dwelling entrance. A garage is located to the rear of the dwelling, abutting the eastern boundary. The existing dwelling is to be retained and all other structures, including the rear extension of the dwelling and the wooden ramp are to be demolished to accommodate the proposed development.

No relevant features such as a street tree or power pole are present in the nature strip fronting the site. Vehicle access is available via a crossover located to the east end of the street frontage, this will be retained for the proposed development.



#### **Surrounding Properties**

The Neighbourhood and Site Description Plan provides details on the site and surrounding context. The immediate interfaces to the subject site are illustrated below:

#### To the north of the site:

#### 10 Waverley Street

The house is a single storey rendered dwelling with pitched tile roof. It is setback approximately 10.9m from the street. The property is screened by a row of tall trees planted behind the timber front fence. A garage is situated to the rear of the property. Vehicle access is provided via a driveway located along the western boundary.



#### To the east of the site:

#### 11 Waverley Street

The property is occupied by a single storey weatherboard dwelling with pitched tile roof. It is setback approximately 9.7m from the street. The front yard is low maintenance, brick fencing of 0.6m high is present along the street frontage. A garage is located to the rear of the property, connecting to the street via a crossover located to the west end of the street frontage.



#### To the south of the site:

#### 10 Bicknell Court

The house is a single storey brick dwelling with pitched tile roof. The front setback contains a leafy garden, with a row of shrubs planted behind the wired front fence. A carport is located to the side of the dwelling, connecting to the street via a crossover located to the west end of the street frontage.



#### To the west of the site:

#### 15 Waverley Street

The site is currently vacant, the original dwelling on this property has recently been demolished. A planning permit for the development of three double storey dwellings and the subdivision of 3 lots has been approved for this site.



#### **Neighbourhood Context**

The surrounding area is an established residential area, consists predominantly of post war period dwellings and newer developments. Houses around the neighbourhood are mostly detached one to two storey tall brick dwellings with pitched tile roofs. Infill developments are emerging in the area. They are generally detached or semi-detached townhouse developments, diverse in architectural style and form.

Garages and carports are commonly recessive in the streetscape, situated to the side or rear of the dwellings. Front fences when present, are generally of varying styles and heights. Front gardens of adjoining properties are a combination of low maintenance and fully established, consisting of lawn cover and various sized native or indigenous trees and shrubs. High canopy trees are frequently present along the nature strips and inside the garden of properties.

The subdivision pattern of the area is similar in size and shape, block sizes approximately range from 600-900sqm. The setbacks of the dwellings along Waverley Street in proximity to the subject site range from approximately 5-11m.

Multi-dwelling developments in the neighbourhood includes:









#### The Locality

Waverley is a local street connecting to Glen Allan Street (east) and Electric Street (west). The site is located within convenient proximity to various community services and facilities.

#### **Public Transport services**

- Bus service 538 Somerset Estate Broadmeadows runs nearby on Walsh Street.
- Jacana Station is approximately 500m west (1min drive).

#### Public open space, sport and recreation facilities

- Anderson Reserve is approximately 200m east (1min drive).
- ATC Cook Reserve is approximately 1km south (2min drive).
- Rupert Wallace Reserve is approximately 1.6km east (3min drive).
- Jack Roper Reserve is approximately 1.7km east (4min drive).
- Johnstone Street Reserve is approximately 1.9km west (4min drive).
- Broadmeadows Town Park is approximately 2.2km north (5min drive).
- Broadmeadows Aquatic and Leisure Centre is approximately 2.2km north (5min drive).

#### **Education services**

- Meadows Primary School is approximately 1.6m east (4min drive).
- Glenroy Secondary College is approximately 2.5km south (6min drive).
- Penola Catholic College is approximately 650m north (2min drive).
- St Dominic's School is approximately 1.1km north (3min drive).
- Glenroy Private is approximately 1.8km east (4min drive).

#### Retail services

- Olsen Place shopping area is approximately 1km east (3min drive).
- Glenroy shopping precinct is approximately 2.1km south (6min drive).
- Broadmeadows Central is approximately 2.3km north (6min drive).
- Dallas shopping area is approximately 2.9km north (6min drive).

#### Religious services

• The Uniting Church in Australia is approximately 1.1km north (3min drive).

#### Health services

- Broadmeadows Medical Centre is approximately 1.6km east (4min drive).
- Broadmeadows Hospital is approximately 1.7km north (4min drive).

#### Community services

- Broadmeadows Community Hub is approximately 950m east (2min drive).
- Broadmeadows Library is approximately 2.2km north (6min drive).

#### Emergency and government services

- Australia Post is approximately 1km east (3min drive).
- Centrelink and Medicare is approximately 2.3km north (6min drive).
- Hume City Council is approximately 2.3km north (6min drive).

#### **Site Opportunities & Constraints**

Site opportunities and constraints has been identified through an assessment of the site and context. The proposed development has been designed to respond positively to these matters.

#### Opportunities

- The site is located within close proximity to numerous services and facilities including public transport, shops, schools and public open space.
- The natural slope of the site will have minimum effect on the development.

#### Constraints

- An easement is present along the rear boundary.
- The properties to the east, south and west contains secluded open space areas in proximity to the common boundary. Overlooking, overshadowing and visual bulk impacts on these areas need to be carefully managed.

# **03** | Planning Policies and Controls

#### **Planning Policy Framework**

The Planning Policy Framework (PPF) provides the broad guiding principles to facilitate appropriate land use and development. The following key themes and policies are of particular relevance to this application:

#### Clause 11 Settlement, including:

- Clause 11.01-1S Settlement
   To promote the sustainable growth and development of Victoria and deliver choice and opportunity for all Victorians through a network of settlements.
- Clause 11.01-1R Settlement Metropolitan Melbourne
- Clause 11.02-1S Supply of urban land
   To ensure a sufficient supply of land is available for residential, commercial, retail, industrial, recreational, institutional and other community uses.

#### Clause 15 Built Environment and Heritage, including:

- Clause 15.01-1S Urban design
   To create urban environments that are safe, healthy, functional and enjoyable and that contribute to a sense of place and cultural identity.
- Clause 15.01-1S Urban design Metropolitan Melbourne
   To create a distinctive and liveable city with quality design and amenity.
- Clause 15.01-2S Building design
   To achieve building design outcomes that contribute positively to the local context and enhance the public realm.

- Clause 15.01-3S Subdivision design
   To ensure the design of subdivisions achieves attractive, safe, accessible, diverse and sustainable neighbourhoods.
- Clause 15.01-4S Healthy neighbourhoods
   To achieve neighbourhoods that foster healthy and active living and community wellbeing.
- Clause 15.01-4R Healthy neighbourhoods Metropolitan Melbourne
- Clause 15.01-5S Neighbourhood character
   To recognise, support and protect neighbourhood character, cultural identity, and sense of place.
- Clause 15.02-1S Energy and resource efficiency
   To encourage land use and development that is energy and resource efficient, supports a cooler environment and minimises greenhouse gas emissions.

#### Clause 16 Housing, including:

- Clause 16.01-1S Housing supply
   To facilitate well-located, integrated and diverse housing that meets community needs.
- Clause 16.01-1R Housing supply Metropolitan Melbourne
- Clause 16.01-2S Housing affordability
   To deliver more affordable housing closer to jobs, transport and services.

#### Clause 18 Transport, including:

Clause 18.01-1S Land use and transport planning
 To create a safe and sustainable transport system by integrating land use and transport.

#### **Local Planning Policy Framework**

The Municipal Strategic Statement (MSS) and Local Planning Policies outline key objectives and strategies of a given municipality and provide specific guidelines for planning, land use and development. The proposal accords with the following key municipal strategies and local policies:

#### Clause 21.01 Municipal Profile:

Hume City is one of Melbourne's seven growth area municipalities. It also forms a part of Melbourne's Northern Growth Corridor, which plays a vital role in meeting demands of the growing population. The municipal is a key gateway to the north of Melbourne with great accessibility to the Melbourne CBD, Melbourne Airport and the Port of Melbourne.

#### Clause 21.02 Urban Structure and Settlement:

Clause 21.02-1 Managing Growth and Increasing Choice focuses on the diversity and mix use of land for the growing population. Key objectives and strategies of relevance include:

Objective 1 To facilitate large scale change that meets the needs of Hume's growing population and provides choice and equitable access to a range of housing, employment, transport, services and facilities.

| Strategy 1.2 | Identify strategic development sites with good access to public transport that can accommodate increased dwelling densities and provide for smaller |
|--------------|---|
|              | housing products.   |
| Strategy 1.3 | Facilitate high density residential development within and around activity centres and train stations.  |
| Objective 2  | To ensure that the planning for growth in Hume minimises the impact on the environment and heritage.  |
| Strategy 2.1 | Ensure biodiversity, landscape, heritage and waterway values are appropriately considered during the planning process.                              |
| Strategy 2.2 | Ensure new development maximises the retention of biodiversity, including scattered trees.  |

#### Clause 21.03 Liveable Neighbourhoods and Housing:

Clause 21.03-2 Housing focuses on housing diversity and the increasing demand for smaller dwellings to accommodate the ageing population. Key objectives and strategies of relevance include:

| Objective 4  | To increase the diversity of housing in Hume.                                |
|--------------|--|
| Strategy 4.1 | Encourage well designed infill residential development that provides smaller |
|              | housing product.   |
| Strategy 4.2 | Encourage the development of one and two bedroom dwellings.                  |
| Strategy 4.3 | Encourage housing that is able to be adapted for different life stages or is |
|              | suitable for the needs of an ageing household.                               |

#### Clause 21.04 Built Environment and Heritage:

Clause 21.04-1 Urban Design focuses on the appearance, layout and function of the built environment. Key objectives and strategies of relevance include:

| Objective 1  | To improve the image and appearance of Hume Corridor's established areas and deliver high quality development in new growth areas across Hume.  |
|--------------|---|
| Strategy 1.3 | Ensure development addresses the street and provides an active interface to the public realm, including open space and creek corridors.   |
| Objective 3  | To enable well designed medium and higher density residential development that protects the amenity of existing residents and sensitively responds to identified preferred neighbourhood character. |
| Strategy 3.6 | Encourage and support well designed infill residential development in areas characterised by single and double storey detached dwellings.   |
| Strategy 3.8 | Encourage front fencing that is low and/or permeable.   |

Clause 21.04-2 Environmentally Sustainable Design and Development focuses on the sustainability of new developments to be more resilient to the impacts of climate change and more resource, energy and water efficient. Key objectives and strategies of relevance include:

| Objective 7  | To encourage environmentally sustainable design and development.            |
|--------------|---|
| Strategy 7.3 | Ensure the design of new subdivisions and the siting of buildings maximises |
|              | passive solar design principles.  |
| Objective 8  | To minimise the contribution of new development to the Urban Heat Island    |
|              | effect.   |
| Strategy 8.1 | Encourage development to maximise the use of permeable surfaces.            |

#### Clause 21.07 Transport Connectivity and Infrastructure:

Clause 21.07-1 Connectivity and Choice focuses on transport connectivity and variety in transport modes. Key objectives and strategies of relevance include:

Objective 4 To design high quality, well-connected neighbourhoods which promote

sustainable modes of transport.

Strategy 4.1 Ensure the design of subdivisions provides a permeable and legible street

network which allows safe and direct pedestrian and cycle access to local

destinations and the major road network.

#### **Statutory Planning Controls**

#### Zone

The land is in a General Residential Zone – Schedule 1. The purpose of this Zone includes

- To implement the Municipal Planning Strategy and the Planning Policy Framework.
- To encourage development that respects the neighbourhood character of the area.
- To encourage a diversity of housing types and housing growth particularly in locations offering good access to services and transport.
- To allow educational, recreational, religious, community and a limited range of other non-residential uses to serve local community needs in appropriate locations.

#### Minimum Garden Area requirement

Clause 32.08-4 applies to the construction or extension of a dwelling or residential building. Table below sets out the requirement for the minimum percentage of a lot set aside as garden area:

 400-500sqm
 25%

 Above 500-650sqm
 30%

 Above 650sqm
 35%

#### Varied Requirements of Clause 55

There are no varied Clause 55/ResCode requirements in Schedule 1 to the General Residential Zone.

#### Overlay

The land is not affected by any planning overlays.

#### Permit Trigger

As identified earlier in this report, a planning permit is required under Clause 32.08-6 of the Hume Planning Scheme to construct two or more dwellings on a lot in a General Residential Zone. The development must meet the requirements of Clause 55.

#### Particular Provisions

The following particular provisions are relevant to the consideration of the application:

#### Clause 52.06 Car Parking

The clause applies for the provision of car parking. Purpose of this clause is:

- To ensure that car parking is provided in accordance with the Municipal Planning Strategy and the Planning Policy Framework.
- To ensure the provision of an appropriate number of car parking spaces having regard to the demand likely to be generated, the activities on the land and the nature of the locality.

- To support sustainable transport alternatives to the motor car.
- To promote the efficient use of car parking spaces through the consolidation of car parking facilities.
- To ensure that car parking does not adversely affect the amenity of the locality.
- To ensure that the design and location of car parking is of a high standard, creates a safe environment for users and enables easy and efficient use.

#### Clause 53.18 Stormwater Management in Urban Development

The clause applies to an application to construct a building. Purpose of this clause is:

 To ensure that stormwater in urban development, including retention and reuse, is managed to mitigate the impacts of stormwater on the environment, property and public safety, and to provide cooling, local habitat and amenity benefits.

#### Clause 55 Two or More Dwellings on a Lot and Residential Buildings

The Clause (ResCode) applies as a standard guideline to the proposal. Purpose of this clause is:

- To implement the Municipal Planning Strategy and the Planning Policy Framework.
- To achieve residential development that respects the existing neighbourhood character or which contributes to a preferred neighbourhood character.
- To encourage residential development that provides reasonable standards of amenity for existing and new residents.
- To encourage residential development that is responsive to the site and the neighbourhood.

#### **General Provisions**

Clause 65 Decision Guidelines establishes a list of considerations prior to deciding on an application or approval of a plan. Relevant matters include:

- The matters set out in section 60 of the Act.
- Any significant effects the environment, including the contamination of land, may have on the use or development.
- The Municipal Planning Strategy and the Planning Policy Framework.
- The purpose of the zone, overlay or other provision. Any matter required to be considered in the zone, overlay or other provision.
- The orderly planning of the area.
- The effect on the environment, human health and amenity of the area.
- The proximity of the land to any public land.
- Factors likely to cause or contribute to land degradation, salinity or reduce water quality.
- Whether the proposed development is designed to maintain or improve the quality of stormwater within and exiting the site.
- The extent and character of native vegetation and the likelihood of its destruction.
- Whether native vegetation is to be or can be protected, planted or allowed to regenerate.
- The degree of flood, erosion or fire hazard associated with the location of the land and the use, development or management of the land so as to minimise any such hazard.
- The adequacy of loading and unloading facilities and any associated amenity, traffic flow and road safety impacts.

# **04** | Planning Assessment

#### **Planning Policy Considerations**

The proposal is in accordance with the overarching objectives within the Planning Policy Framework and Local Planning Policy Framework, including the Municipal Strategic Statement. The findings are as follows:

#### Urban consolidation

The subject site is situated in an established and highly accessible area, achieving urban consolidation for the efficient use of existing infrastructures and services. It is located within the Principal Public Transport Network Area, with walking distance to public transportation. Furthermore, it has excellent proximity to activity centres, schools, recreation facilities and other social infrastructure. The high accessibility of the site will encourage residents to use sustainable transport modes such as walking, cycling and public transport. As sought by Clause 11, 18, 21.02 and 21.07 of the planning scheme.

#### Housing supply, diversity and affordability

The proposed development has been designed to comply with the managing of change and growth in the residential areas of Hume. The proposal brings an additional dwelling to the area, this will vary in size and layout compared to the existing dwelling. Thus, greater housing choice and diversity to the neighbourhood is supported. Housing affordability is also encouraged as multi-unit developments are relatively more affordable in comparison to low density developments (single dwelling on a similar sized land). As sought by Clause 16 and 21.03 of the planning scheme.

#### Neighbourhood character

The proposed development sensitively responds to the interfaces to Waverley Street and its wider surrounding, making a positive contribution to the locality. The dwelling is a modern, contemporary interpretation of the traditional built form in the area to distinguish the old from the new. Exterior building materials proposed for the dwelling are selected to complement the architectural style and enhance the neighbourhood and streetscape character of the area. Recession of upper floor level footprint from the ground floor envelope is adopted to reduce visual bulk and to create a more gradual transition between the single and double storey built form of the area. The existing landscape character of the area will be enhanced by ensuring sufficient open space is provided to allow for the planting of canopy trees. No front fence is proposed for this development to reinforce the open streetscape character and to allow views to the front yards. As sought by Clause 15 and 21.04 of the planning scheme.

#### **Zoning and Overlay Considerations**

#### General Residential Zone

The proposed development meets the purpose of the General Residential Zone in respecting the neighbourhood character of the area and contributing to the diversity of housing types in a location offering good access to services and transport. The design also complies with the minimum garden area requirement by providing 39.4% of garden area for a block 500-650sqm in size.

#### **ResCode Considerations**

The proposal demonstrates a high level of compliance with the objectives and standards of Clause 55/ResCode as detailed in the assessment in Appendix 1.

#### **Access and Car Parking Considerations**

Dwellings will meet the requirements of Clause 52.06-5 of the planning scheme in the provision of one car space for one or two bedroom units and two car space for three or more bedroom units. The existing dwelling is provided with a single car space and the proposed dwelling is provided with a single garage and single carport.

The proposed parking meets the design standard for the safe and efficient movement of vehicles and pedestrians. The existing crossover located to the east end of the street frontage is to be retained for vehicle access to both dwellings. Please refer to Appendix 2 for a detailed assessment of the objectives and standards in Clause 52.06-9 of the planning scheme.

#### **Stormwater Considerations**

The proposed development provides an appropriate stormwater management system on site to mitigate the impacts of stormwater on the environment, property and public safety.

### **05** Conclusion

In summary, the proposed development of one new dwelling to the rear of an existing dwelling accords with the state and local policies in the Planning Scheme. It is an appropriate form of infill development for the site based on existing dwellings in the immediate and surrounding area. Therefore, the proposal is deemed worthy of Council support and it is requested that a planning permit be granted.

# **06** Appendices

#### Appendix 1 - ResCode (Clause 55) Assessment

The proposal demonstrates a high level of compliance with the ResCode standards and meets the objectives of Clause 55 of the Planning Scheme as per the assessment below.

#### Neighbourhood character Clause 55.02-1 Standard B1

#### Complies with standard and objective.

The proposed development is appropriate to the neighbourhood and the site. Refer to the Neighbourhood and Site Description Plan and Design Response.

The existing single storey dwelling on site will be retained and a new double storey dwelling is proposed to be built to the rear. This respects the preferred single and double storey character of the area and will bring minimum impact to the existing streetscape.

The proposed dwelling is a modern, contemporary interpretation of the traditional built form in the area to distinguish the old from the new. It will maintain the predominant built form in the area.

The building materials proposed for the dwelling have the dual purpose of softening the appearance of the development whilst providing different textures that complement the existing architectural style and enhance the neighbourhood and streetscape character of the area.

No front fence is proposed for this development to retain the open streetscape character. A spacious front setback is provided to allow for planting of canopy trees and shrubs that contribute to the streetscape.

# Residential policy Clause 55.02-2 Standard B2

#### Complies with standard and objective.

The proposed development meets the objectives in aspects such as affordable housing and providing for the needs of residents at various stages of life.

The quality of the design, site layout, side and rear setbacks, provision of car parking and open space allocation will ensure that the development provides a good standard of amenity for future residents and good standard for future development in the area.

The subject site is within close proximity of a number of community facilities and services including open space facilities, schools and shopping facilities are all within proximity of the site. The proposed development supports medium density in an area that can take advantage of public transport and community infrastructure and services.

The proposed development complies with the State Government's initiatives of urban consolidation and will not cause detriment to the amenity of adjoining properties and will not be out of character with the area.

# Dwelling diversity

#### Not applicable.

Clause 55.02-3 Standard B3 The development does not meet or exceed ten dwellings.

|   | ,  |  |  |
|---|--|--|--|
| Infrastructure                                      | Complies with standard and objective.  |  |  |
| Clause 55.02-4<br>Standard B4                       | The dwelling is proposed in an established area with appropriate utility services and infrastructure.  |  |  |
| Standard D4   | innastructure.   |  |  |
|   | It should also not represent any unreasonable burden on existing services and facilities.  |  |  |
| Integration with                                    | Complies with standard and objective.  |  |  |
| the street<br>Clause 55.02-5<br>Standard B5         | Existing dwelling will have direct integration with Waverley Street and proposed dwelling will have indirect integration with Waverley Street.   |  |  |
| Street setback                                      | Not applicable.  |  |  |
| Clause 55.03-1<br>Standard B6                       | Front setback remains unchanged. The existing dwelling is setback 7.7m from the street.  |  |  |
| Building height                                     | Complies with standard and objective.  |  |  |
| Clause 55.03-2<br>Standard B7                       | The overall total height of the proposed development is 7.4m to the top of the roof ridge. This is less than the limit of 9m as specified to the zone.   |  |  |
|   | The development will have minimal visual impact on adjoining properties or when viewed from the street.  |  |  |
| Site coverage                                       | Complies with standard and objective.  |  |  |
| Clause 55.03-3<br>Standard B8                       | The proposed site coverage is 43.3%, which is less than the maximum 60%.   |  |  |
| Permeability  | Complies with standard and objective.  |  |  |
| Clause 55.03-4<br>Standard B9                       | The proposed site permeability is 39.5%, which is well above the minimum 20%. Hard surfaces have been reduced as much as possible to allow for more permeable areas and for landscaping opportunities. |  |  |
|   | The proposed development will provide good onsite stormwater infiltration and to reduce the impact of increased storm water runoff.  |  |  |
| Energy  | Complies with standard and objective.  |  |  |
| efficiency<br>Clause 55.03-5<br>Standard B10        | The proposal is deemed to achieve a minimum rating of 6 stars as part of the building permit stage.  |  |  |
| Standard B10  | The proposed dwelling is sited, oriented, and designed to ensure that the energy efficiency of the existing dwellings on abutting properties is not unreasonably reduced.                              |  |  |
| <b>Open space</b><br>Clause 55.03-6<br>Standard B11 | Not applicable. The development is not located adjacent to any public and communal open space.   |  |  |
| Safety  | Complies with standard and objective.  |  |  |
| Clause 55.03-7                                      | The entrances are not obscured or isolated from the street. They will enable casual  |  |  |
| Standard B12  | surveillance of visitors and the street.   |  |  |
|   | The private open space for each dwelling will be appropriately designed and sited with the protection of side and rear fences so that it is not used as a public                                       |  |  |
|   | man are protection of side and real reflects so that it is not used as a public  |  |  |

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| Landscaping<br>Clause 55.03-8<br>Standard B13                        | Complies with standard and objective.  Generous landscaping opportunities for the planting of canopy trees, shrubs and groundcovers are provided in the front setback, along of the accessways and in the secluded private open space of each unit.  |  |  |
|--|--|--|--|
| Access<br>Clause 55.03-9<br>Standard B14                             | Complies with standard and objective. The existing single crossover on will be retained.  The width of the accessway does not exceed 40% of the street frontage for a site with a street frontage less than 20m.   |  |  |
| Parking location<br>Clause 55.03-10<br>Standard B15                  | Complies with standard and objective.  New vehicle storages are close and convenient to each dwelling.  Garages are also well ventilated.  |  |  |
| Side and rear<br>setbacks<br>Clause 55.04-1<br>Standard B17          | Complies with standard and objective.  The proposed development complies with the side and rear setback as outlined in the standard: 1m, plus 0.3m for every metre of height over 3.6m up to 6.9m, plus 1m for every metre of height over 6.9m.  |  |  |
| Walls on<br>boundaries<br>Clause 55.04-2<br>Standard B18             | Complies with standard and objective.  A wall is proposed to be built along the eastern boundary of the site.  The length of the new wall does not exceed 10m plus 25 per cent of the remaining length of the boundary of an adjoining lot as suggested by the standard.  The height of the boundary wall does not exceed an average of 3.2m as suggested by the standard. |  |  |
| Daylight to<br>existing<br>windows<br>Clause 55.04-3<br>Standard B19 | Complies with standard and objective.  The proposed dwelling is sited with sufficient distance from existing windows of adjoining properties. Habitable room windows of adjoining dwellings will still maintain direct access to daylight.  All windows will maintain a light court with a minimum area of 3sqm and minimum dimension of 1m clear to the sky.              |  |  |
| North-facing<br>windows<br>Clause 55.04-4<br>Standard B20            | Not applicable.  No existing north-facing windows are present within 3m of a boundary.   |  |  |
| Overshadowing<br>open space<br>Clause 55.04-5<br>Standard B21        | Complies with standard and objective. Refer to the proposed Shadow Diagram.  Overshadowing to the secluded private open space of the surrounding dwellings due to the proposed dwelling will be minimal and not substantially greater than the extent of shadows cast by the existing boundary fences and outbuildings.  |  |  |
| Overlooking<br>Clause 55.04-6<br>Standard B22                        | Complies with standard and objective.  Windows have been designed to limit overlooking into habitable room windows and secluded open space of adjacent properties.  This copied document is made available for the sol   |  |  |

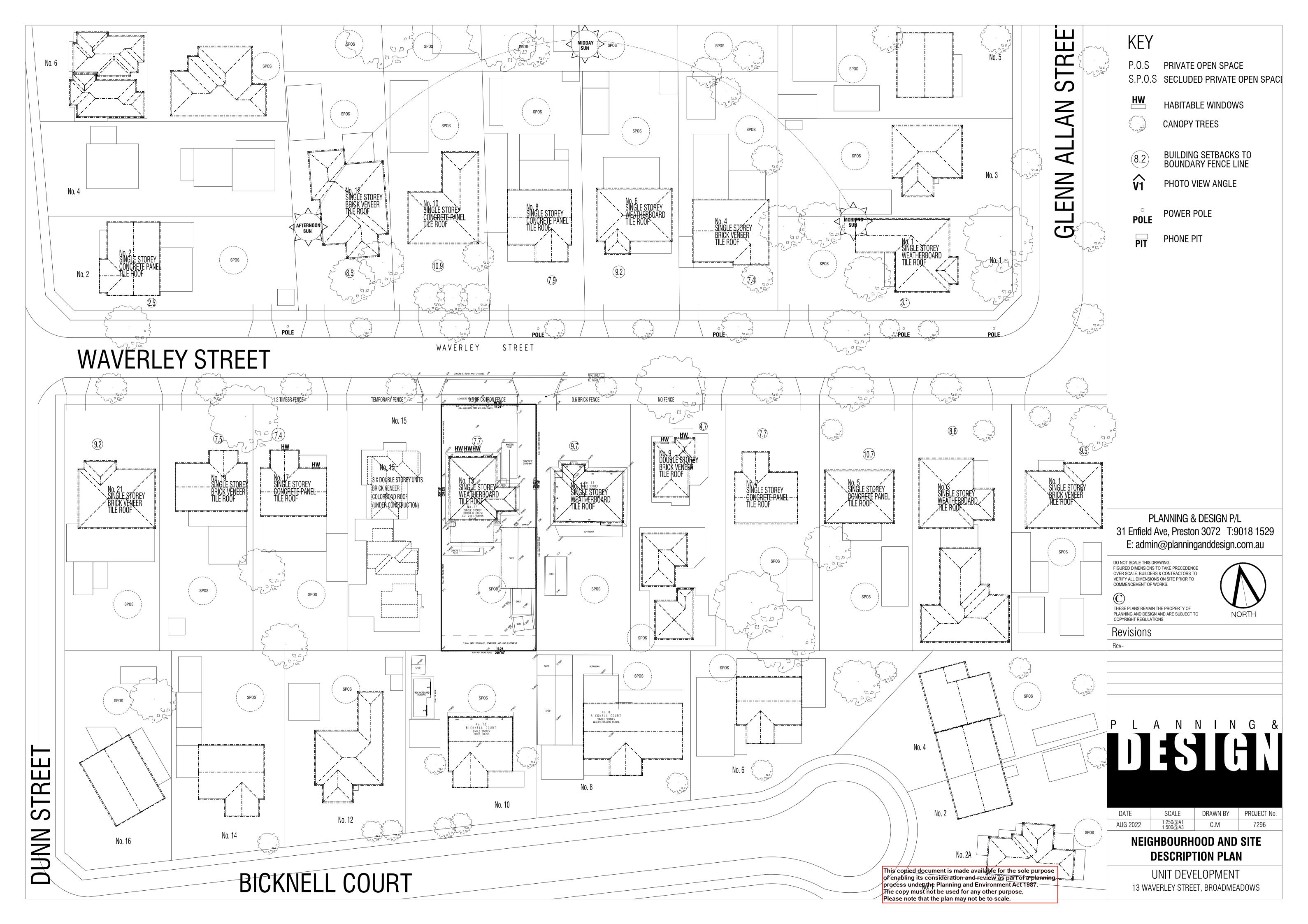
|   | Views from living areas are orientated towards the private open space where possible.  |
|---|--|
| Internal views<br>Clause 55.04-7<br>Standard B23                | Complies with standard and objective.  The proposed dwelling has been designed to limit views into the secluded private open space and habitable room windows of other dwellings within the development.   |
| Noise impacts<br>Clause 55.04-8<br>Standard B24                 | Complies with standard and objective.  The proposed development has been designed to contain noise sources within the development and to protect residents from external noise.  |
|   | There are no mechanical plants proposed adjacent to or located near bedrooms of immediately adjacent existing dwellings. Noise sensitive rooms and secluded private open space of the new dwelling have been designed and sited to take into consideration noise sources on immediately adjacent properties. |
| Accessibility<br>Clause 55.05-1<br>Standard B25                 | Complies with standard and objective.  The proposed dwelling has been designed to take into consideration people with limited mobility. The internal layout and configuration of the proposed dwelling can be altered to accommodate people with limited mobility.   |
|   | Each dwelling has access to the entrance from the pedestrian links and accessways.   |
| Dwelling entry<br>Clause 55.05-2<br>Standard B26                | Complies with standard and objective.  Each dwelling will have its own sense of identity and address.  |
|   | The entrances for the dwellings are appropriately oriented to front onto Waverley Street and the internal accessway.   |
| Daylight to new<br>windows<br>Clause 55.05-3<br>Standard B27    | Complies with standard and objective.  The proposed development has been designed to provide adequate daylight into new habitable room windows.  |
|   | All windows have a light court with a minimum area of 3sqm and minimum dimension of 1m clear to the sky.   |
| Private open<br>space<br>Clause 55.05-4<br>Standard B28         | Complies with standard and objective.  Open space on site for each dwelling is distributed to the rear and throughout the site. The development will provide sufficient private open space for the reasonable recreation, service and storage needs of residents.  |
|   | The proposed design meets the requirement of minimum 40sqm of private open space (POS) and minimum 25sqm of secluded private open space (SPOS) with a minimum dimension of 3m.   |
|   | The private open space for the dwellings is located off living areas, in the rear or side of the dwellings.  |
| Solar access to<br>open space<br>Clause 55.05-5<br>Standard B29 | Complies with standard and objective.  The design has sought to orientate the open space areas to capitalize on the northern aspect as far as applicable.  |
|   |  |

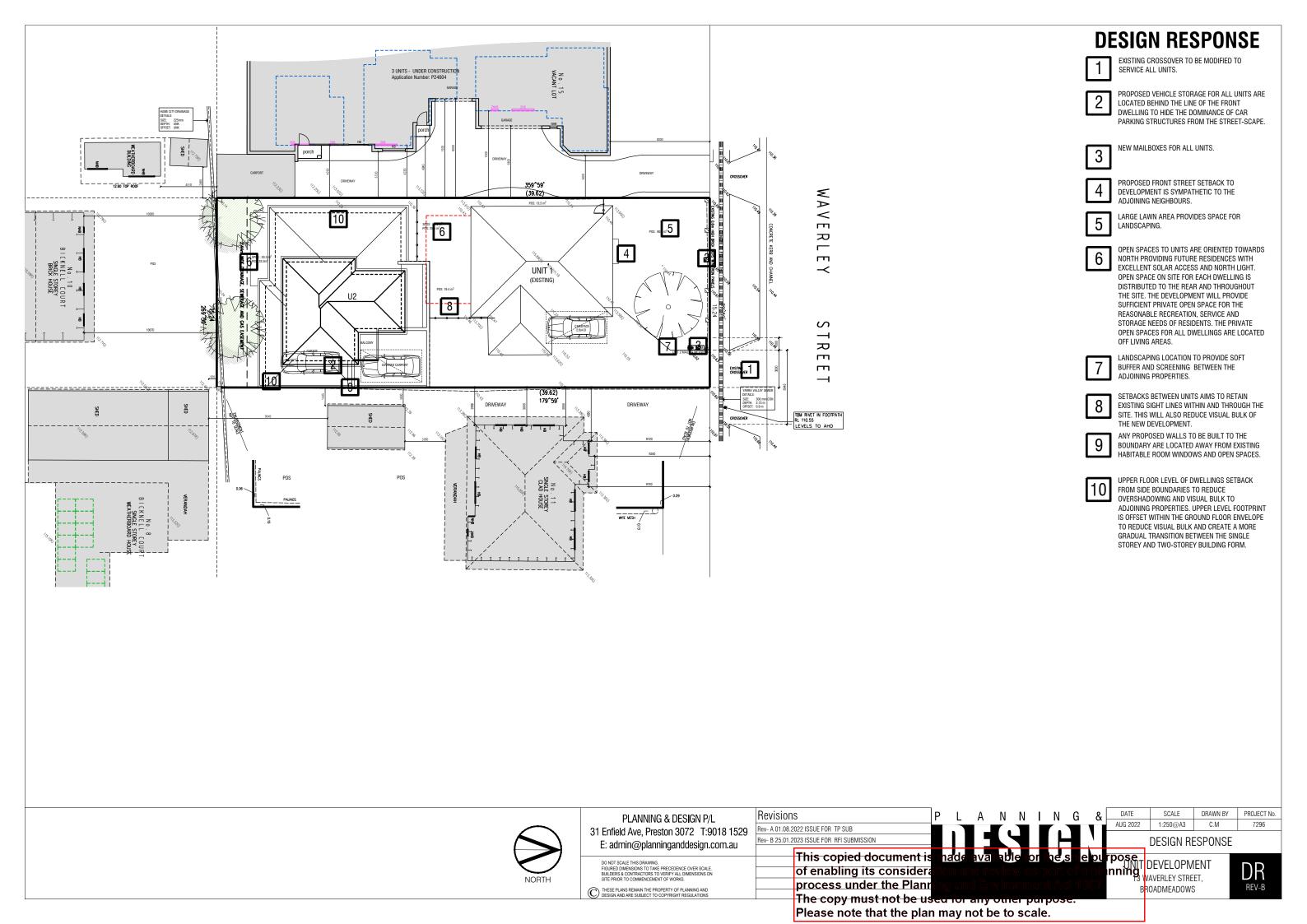
|  | The southern boundary of secluded private open space is set back from any wall on the north of the space at least 2 + 0.9h.  |  |  |
|--|--|--|--|
| Storage<br>Clause 55.05-6<br>Standard B30              | Complies with standard and objective.  Each dwelling has convenient access to 6 cubic metres of externally accessible, secure storage space.   |  |  |
|  | The storage facilities will not be visible from the street.  |  |  |
| <b>Design detail</b><br>Clause 55.06-1<br>Standard B31 | Complies with standard and objective.  Design detail such as façade articulation, window and door proportions, roof forms, verandahs, eaves and exterior finishes are designed to both enhance and integrate with the streetscape. |  |  |
|  | Visual bulk is reduced through articulation, recessed walls, spacing and the variety of materials and colours selected for the dwelling.   |  |  |
|  | The garage is designed to be visually compatible with neighbourhood characteristics and form an integral part of the dwelling.   |  |  |
| Front fences<br>Clause 55.06-2<br>Standard B32         | Not applicable.  No front fence is proposed for this development.  |  |  |
| Common<br>property<br>Clause 55.06-3<br>Standard B33   | Complies with standard and objective.  The proposed development avoids future management difficulties in areas of common ownership, as the subject site can be functionally subdivided into separate allotments.                   |  |  |
|  | Vehicle accessways to the dwellings will be functional and capable of efficient management.  |  |  |
|  | Car parking, access areas and site facilities are practical, attractive and easily maintained.   |  |  |
| Site services<br>Clause 55.06-4<br>Standard B34        | Complies with standard and objective.  Adequate and accessible site facilitates will be provided to each dwelling, including mailboxes and bins enclosures.  |  |  |

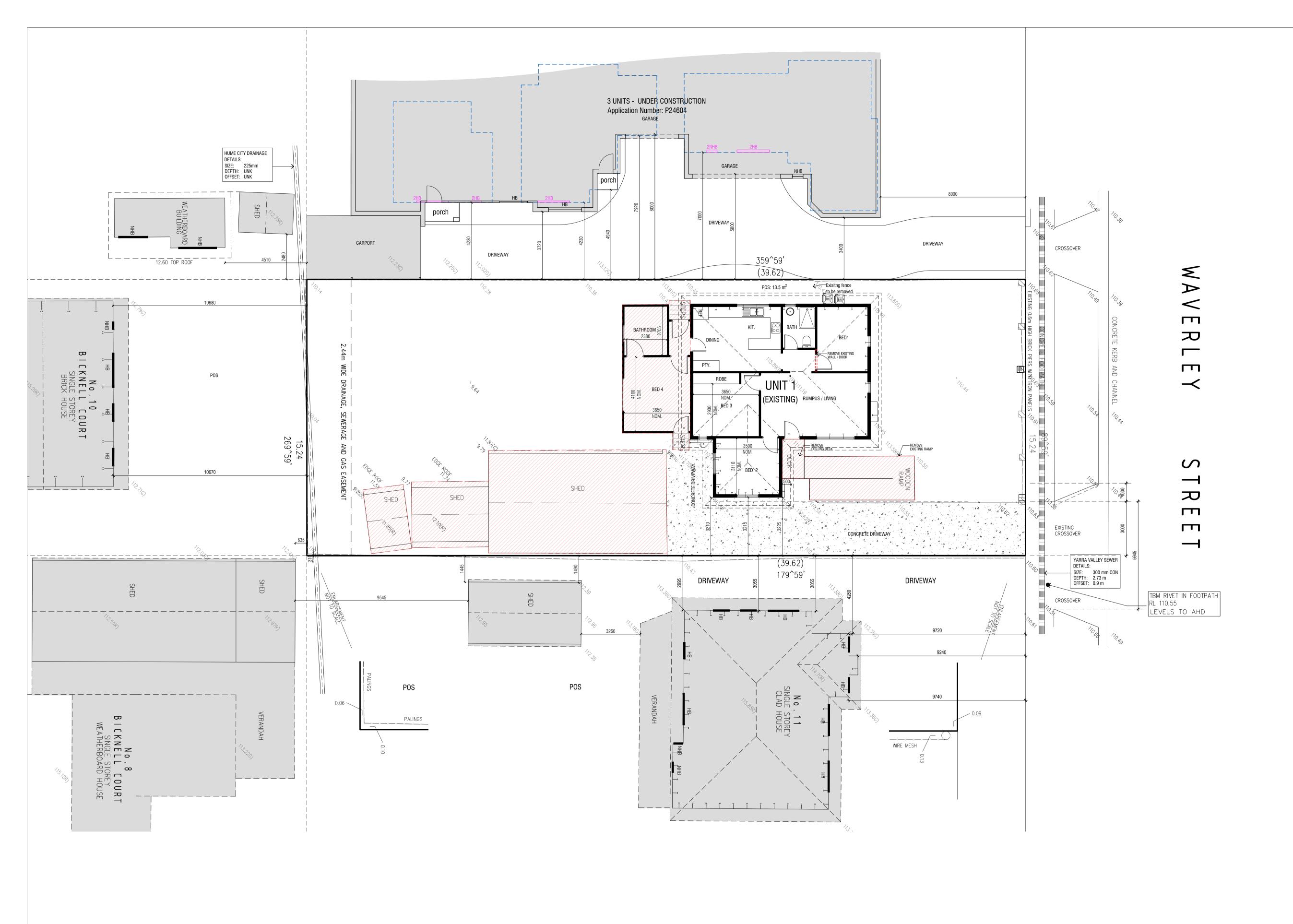
#### **Appendix 2 – Car Parking Assessment**

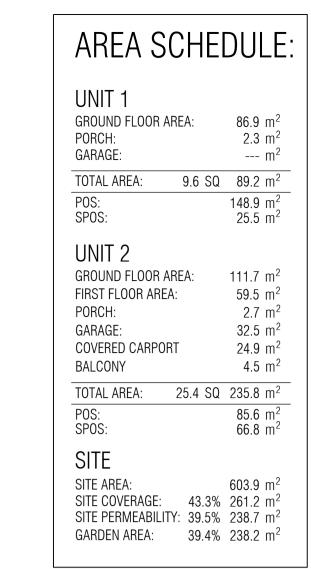
The proposal satisfies the design standards for car parking in Clause 52.06-9 of the Planning Scheme as per the assessment below.

| Accessways Design standard 1 | Complies with standard.  The accessways are functional, with a minimum width of 3m, and corner visibility  |  |  |
|------------------------------|--|--|--|
| Design standard 1            | splays.  |  |  |
| Car parking spaces           | Complies with standard.  |  |  |
| Design standard 2            | A single car space is at least 4.9 m long and 2.6m wide and a single garage/carport is at least 6m long and 3.5m wide.   |  |  |
| Gradients                    | Not applicable.  |  |  |
| Design standard 3            | The accessway serves three dwellings or less.  |  |  |
| Mechanical parking           | Not applicable.  |  |  |
| Design standard 4            |  |  |  |
| Urban design                 | Complies with standard.  |  |  |
| Design standard 5            | The garages are designed to be visually compatible with neighbourhood characteristics and form an integral part of the dwelling.                                 |  |  |
| Safety                       | Complies with standard.  |  |  |
| Design standard 6            | The design of the car parks/accessway provides adequate natural surveillance and pedestrian visibility.  |  |  |
| Landscaping                  | Complies with standard.  |  |  |
| Design standard 7            | The proposed landscaping at the front of the site as well as along the accessways will assist in reducing its visual dominance and in softening the development. |  |  |









| LEGEND |                                  |
|--------|----------------------------------|
|        | EXISTING AREA TO BE DEMOLISHED   |
| НВ     | HABITABLE WINDOW                 |
| NHB    | NON-HABITABLE WINDOW             |
| 2HB    | FIRST FLOOR HABITABLE WINDOW     |
| 2NHB   | FIRST FLOOR NON-HABITABLE WINDOW |
|        |                                  |

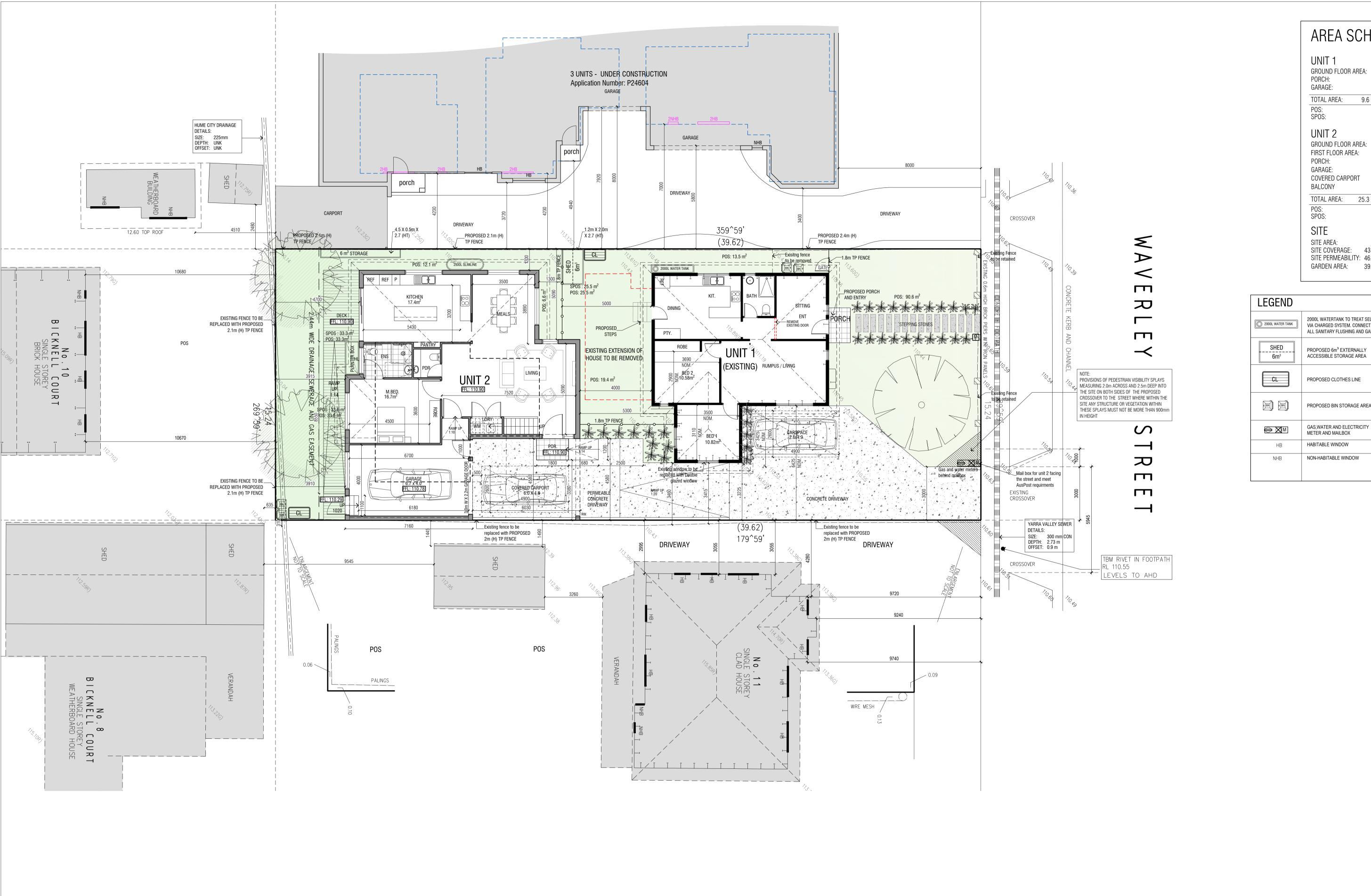
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 EXISTING GROUND FLOOR PLAN









GROUND FLOOR AREA:

86.9 m<sup>2</sup>  $2.3 \text{ m}^2$ 

9.6 SQ 89.2 m<sup>2</sup> 148.9 m<sup>2</sup> 25.5 m<sup>2</sup>

GROUND FLOOR AREA: 111.7 m<sup>2</sup> FIRST FLOOR AREA: 59.5 m<sup>2</sup>  $2.2 \, \text{m}^2$  $32.5 \text{ m}^2$ COVERED CARPORT  $24.9 \text{ m}^2$  $4.5 \text{ m}^2$ 

25.3 SQ 235.3 m<sup>2</sup> 85.6 m<sup>2</sup> 66.8 m<sup>2</sup>

603.9 m<sup>2</sup> SITE COVERAGE: 43.2% 260.7 m<sup>2</sup> SITE PERMEABILITY: 46.3% 279.6 m<sup>2</sup> 39.8% 240.6 m<sup>2</sup> GARDEN AREA:

2000L WATERTANK TO TREAT SELECTED ROOF AREA VIA CHARGED SYSTEM. CONNECT WATER TANK TO ALL SANITARY FLUSHING AND GARDEN IRRIGATION.

PROPOSED BIN STORAGE AREA

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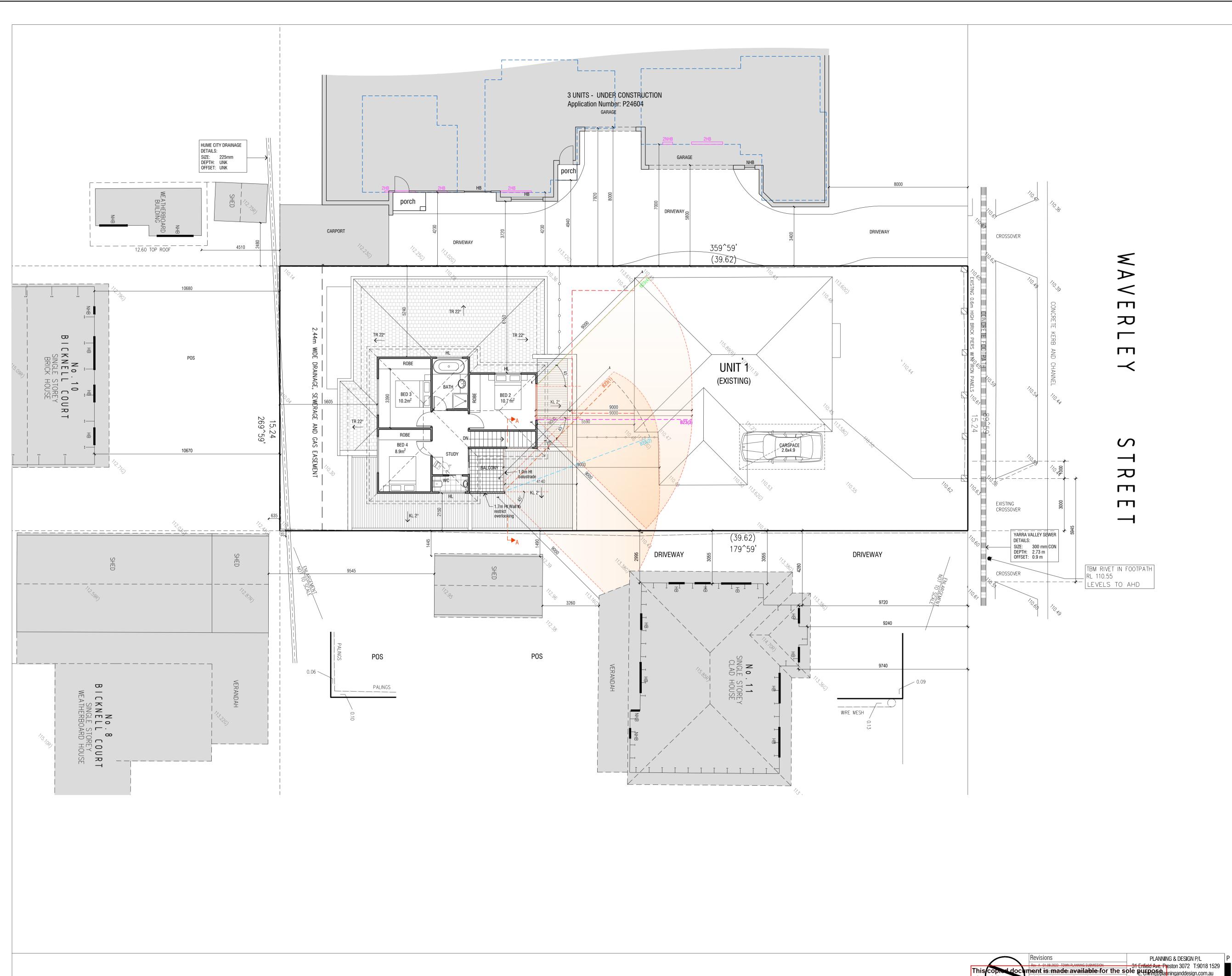
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JULY 2022 1:100@A1 H.S. C.M 7296 GROUND FLOOR PLAN





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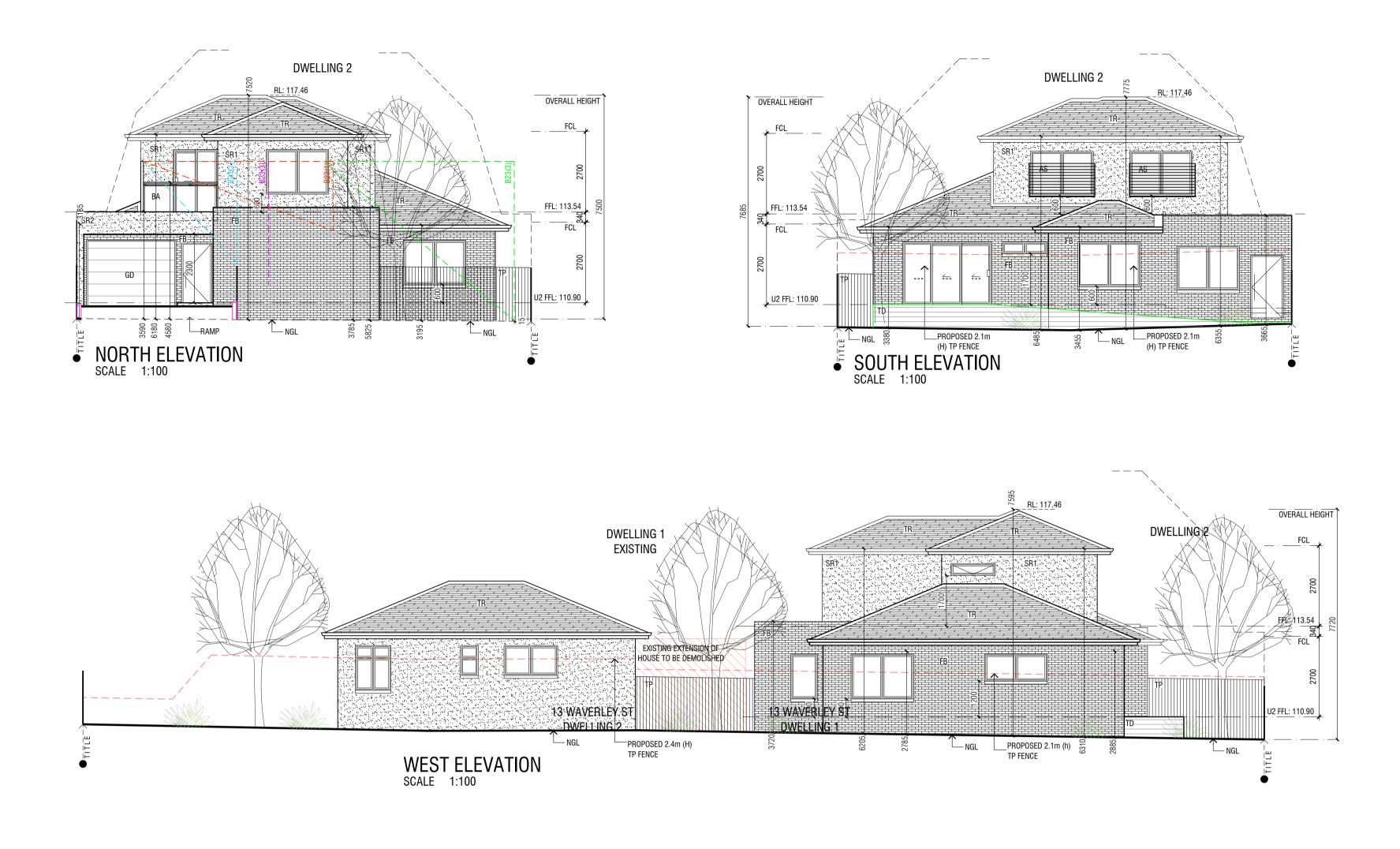
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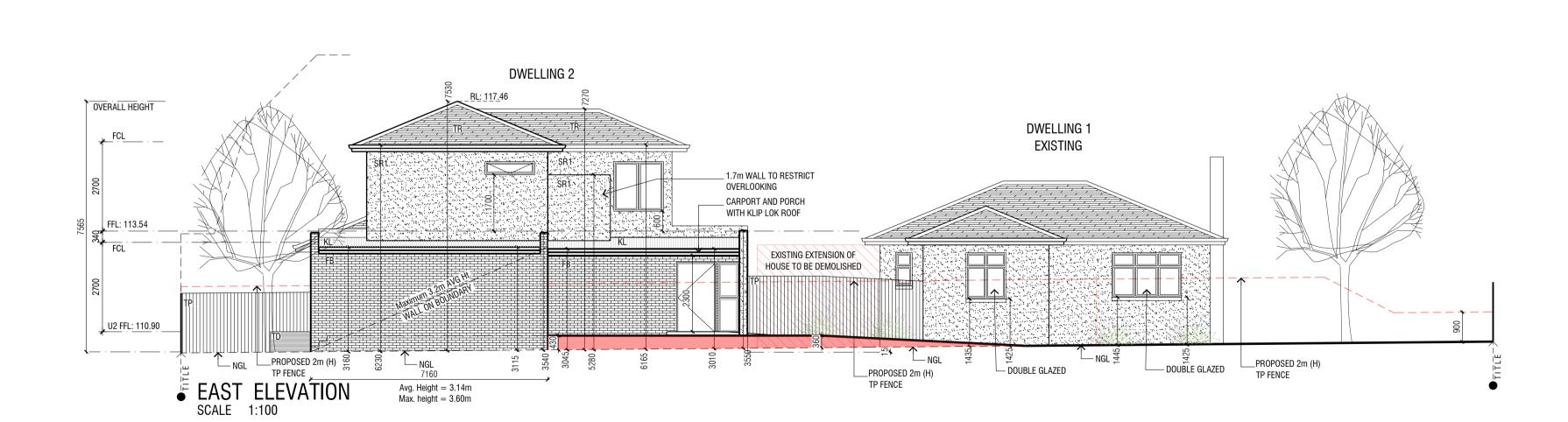
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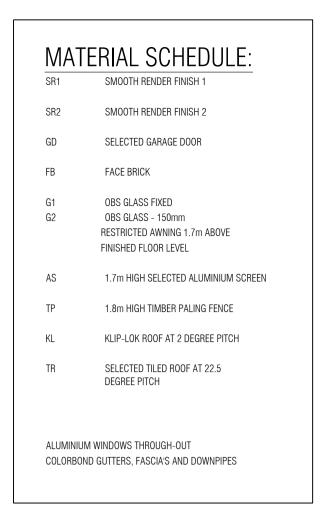
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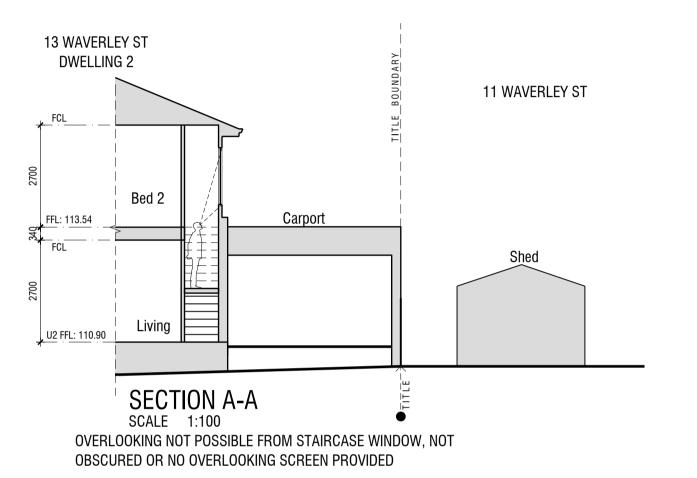
FIRST FLOOR PLAN

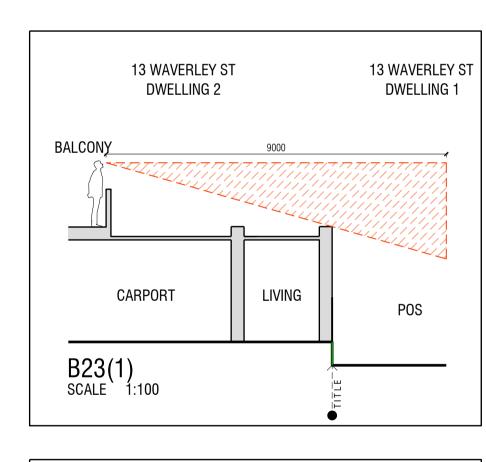
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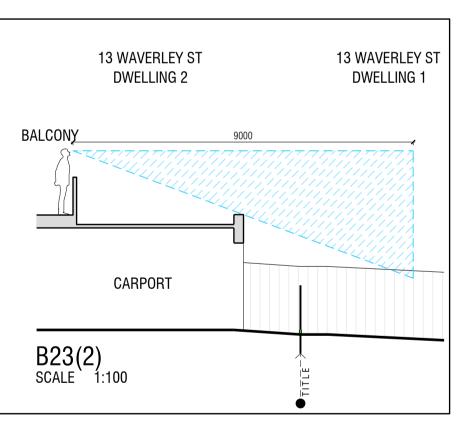


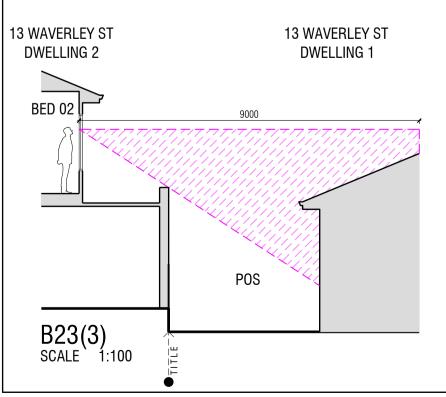


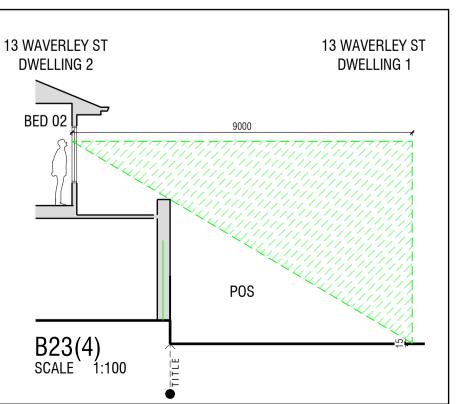


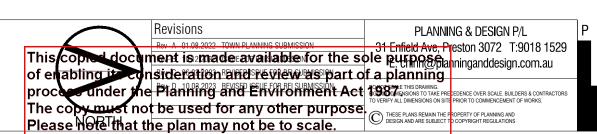








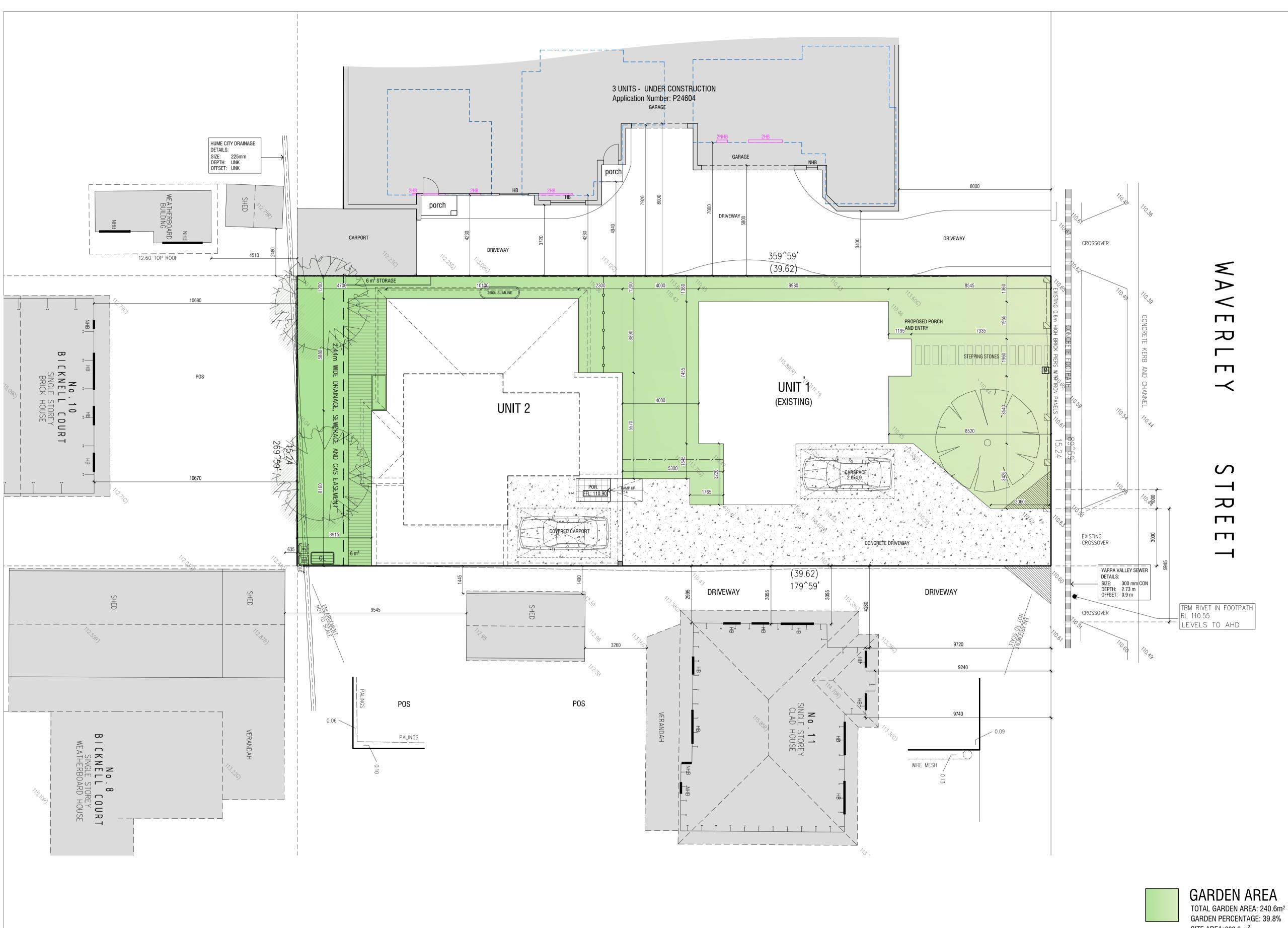


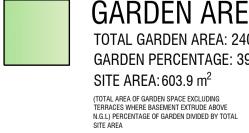


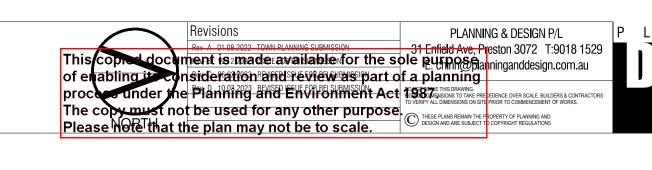










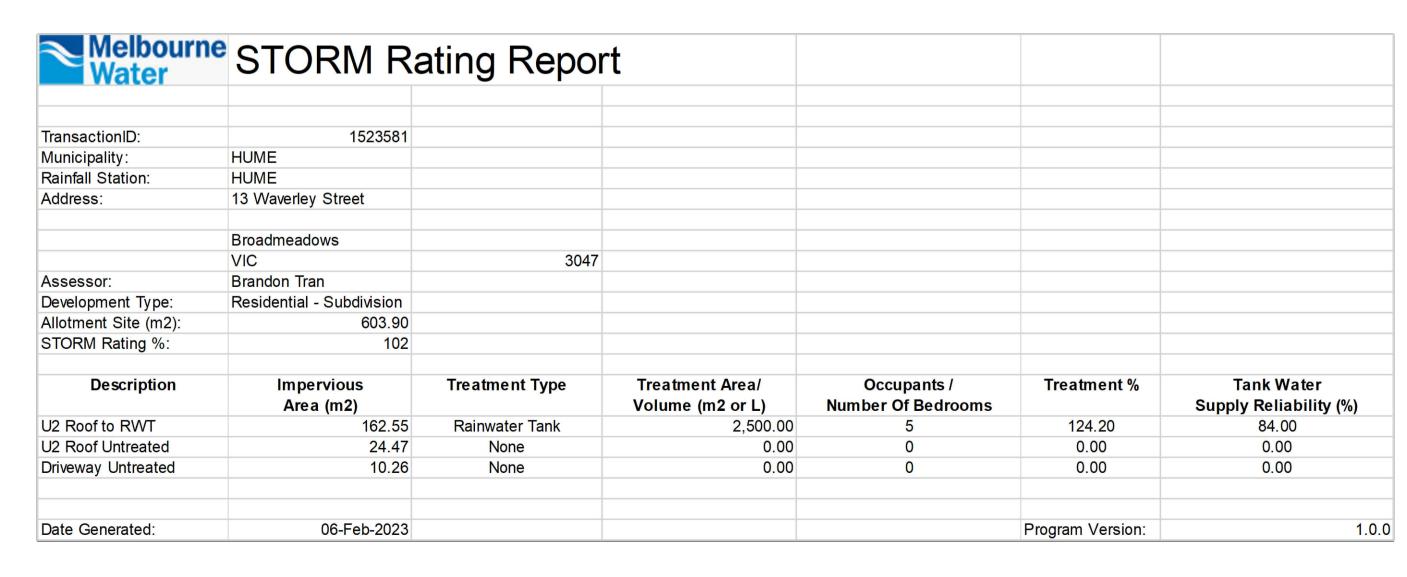




THE RAINWATER FROM ROOF AREAS 162.55m2 TO BE COLLECTED AND DISCHARGED VIA A FULLY CHARGED SYSTEM INTO 2500L CAPACITY TANKS WHICH ARE TO BE CONNECTED TO ALL TOILETS FOR TOILET FLUSHING 2500L SLIMLINE 2000L WATER TANK TR 22° TR 22° UNIT 1 (EXISTING) CONCRETE DRIVEWAY BALCONY DRIVEWAY UNTREATED 10.26M<sup>2</sup> ROOF AREA UNTREATED 24.47M<sup>2</sup> TO BE DISCHARGED IN TO LPOD TO BE DISCHARGED IN TO LPOD

### PERMEABLE PAVER DETAILS

REFER TO HYDROSTON FOR SPECS AND INSTALLATION DETAILS



| HydroSTON pavers                             | 1-3mm crushed no<br>fines aggregate (for<br>traffic applications) | Bedding course<br>2-5mm or 5mm<br>single size crushed<br>no fines aggregate  | <b>I</b>                         | TION OR SPALLING. |
|--|---|--|----------------------------------|-------------------|
| 1  |   | Unwoven geotextile loptional   |                                  |                   |
|  |   | Base course<br>5-20mm crushed<br>no fines aggregate  |                                  |                   |
|  |   | Sub-base 20-40mm<br>crushed no fines<br>aggregate<br>[optional/variable]   |                                  |                   |
| Trim and compact subgrade                    |   | Impermeable liner<br> for stormwater<br> harvesting or clay<br>  subgrade conditions   |                                  |                   |
| 100mm slotted drainage pipe through sub-base | Storage   | Waterway   |                                  |                   |
|  |   | 4mm joints filled with 1-3   | 3mm basalt                       |                   |
|  |   | The state of the s | draulic conductivity > 3600mm/hr |                   |
|  |   | Trim and compact subgro  |                                  |                   |

Joints 4mm av. with

### WATER SENSITIVE URBAN DESIGN NOTES:

REQUIREMENTS.

LEGEND

PERMEABLE PAVER MAINTENANCE

VISUALLY INSPECT PERVIOUS PAVEMENT

AVOID SEALING OR REPAVING WITH IMPERVIOUS MATERIALS. IN PARTICULAR, NEVER USE ASPHALT OR OTHER TAR-TYPE SEALERS ON PERVIOUS CONCRETE.

• MAINTAIN UPLAND AND ADJACENT GRASSY AREAS.

SEDIMENT BY BLOWING, SWEEPING OR VACUUMING.

• EXCESSIVE WATER FLOW CARRYING DEBRIS TOWARD

INSPECT THE PERVIOUS PAVEMENT SURFACE FOR

SEED UPLAND AND ADJACENT BARE AREAS.KEEP THE PERVIOUS PAVEMENT SURFACE FREE OF

THE PAVEMENT SHOULD BE DIVERTED.

ACTIVITY SCHEDULE

AREA TO ENSURE THAT IT:
• IS CLEAN OF DEBRIS

DE-WATERS BETWEEN STORMSIS CLEAN OF SEDIMENTS

CONCRETE SURFACE

ROOF AREA UNTREATED

PERMEABLE SURFACE

AND LAUNDRY USAGE.

ROOF AREA TO RAINWATER TANK

PROPOSED DOWNPIPE LOCATION

WATERTANK TO TREAT SELECTED

ROOF AREA. CONNECT WATER

PROPOSED SITE AREA: 267.59m<sup>2</sup>

TANK TO ALL SANITARY FLUSHING

ALL DRAINAGE TO BE DESIGNED AND CERTIFIED BY AUTHORIZED DRAINAGE ENGINEER

EACH RAINWATER TANK IS TO BE CONNECTED TO ALL TOILETS IN EACH DWELLING

GRAVITY FED OR FULLY CHARGED SYSTEM IS NECESSARY TO ACHIEVE THE MINIMUM ROOF CATCHMENT AREA IN ACCORDANCE WITH STORM

THE OVERFLOW SYSTEMS FOR ALL RAINWATER TANKS MUST BE GRAVITY FED TO THE LEGAL POINT OF DISCHARGE AND NOT SERVICED BY OVERFLOW PUMPS

THE TANKS MUST BE USED ONLY FOR REUSE WITHIN THE DWELLINGS, AND ARE COMPLETELY INDEPENDENT OF ANY DETENTION REQUIREMENTS (THROUGH THE LEGAL POINT OF DISCHARGE PROCESS)

IN NO CASE WILL RAINWATER PIPES BE CHARGED UNDER THE SLAB

GRAVITY FED SYSTEM TO BE USED WHEN HARVESTING STORMWATER FROM ROOF TO RAINGARDENS.

RAINGARDENS TO BE BUILT MINIMUM 300MM FROM ADJOINING FOOTINGS

BUILD THE RAINGARDEN CLOSE TO THE WATER SOURCE. THIS WILL HELP MINIMISE THE ADDITIONAL PLUMBING NEEDED TO BRING WATER TO THE RAINGARDEN.

RAINGARDEN MUST BE FULLY LINED AND HAVE OVERFLOW PLUMBED INTO THE STORMWATER SYSTEM.

FOR EXCAVATION AND CLEARANCE REFER TO BUILDING A RAINGARDEN INSTRUCTION SHEET, RAINGARDENS MUST BE BUILT TO MELBOURNE WATER REQUIREMENTS

MAINTENANCE OF RAINGARDENS ARE THE RESPONSIBILITY OF THE PROPERTY OWNER

THE FINAL DESIGN OF THE STORMWATER SYSTEM WILL MEET COUNCIL DRAINAGE ENGINEERS' REQUIREMENTS. THE DESIGNED SYSTEM COMPLIES WITH MELBOURNE WATER STORM REQUIREMENTS THAT MEETS VICTORIAN BEST PRACTICE STORMWATER GUIDELINES

### MAINTENANCE GUIDELINES (EVERY 3-6 MONTHS)

RAINWATER TO BE INSPECTED, INLET TO BE CLEANED REGULARLY.

TANKS: IF SLUDGE IS PRESENT, TANKS MUST BE DRAINED BY PROFESSIONAL PLUMBER AND CLEANED

GUTTERS AND DOWNPIPES:

TO BE INSPECTED AND CLEANED REGULARLY.

FIRST FLUSH DEVICES:

N/A

MONTHLY

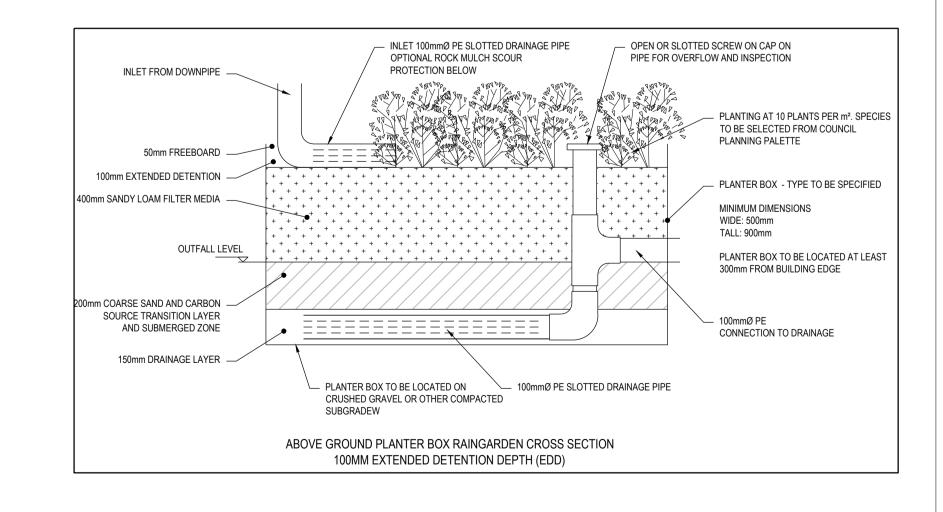
AS NEEDED

ANNUALLY

IF APPLICABLE, TO BE INSPECTED AND CLEANED REGULARLY.

### RAINGARDEN MAINTENANCE

| NAINGANDEN WAINTENANGE  |   |
|---|---|
| <ul> <li>WATER TO PROMOTE PLANT GROWTH AND SURVIVAL,<br/>ESPECIALLY DURING THE FIRST TWO YEARS AND DURING DRY<br/>SPELLS.</li> <li>INSPECT SITE FOLLOWING RAINFALL EVENTS. ADD/REPLACE<br/>VEGETATION IN ANY ERODED AREAS.</li> </ul>   | AS NEEDED<br>(FOLLOWING CONSTRUCTION)           |
| <ul> <li>PRUNE AND WEED SWALE TO MAINTAIN APPEARANCE.</li> <li>REMOVE ACCUMULATED TRASH AND DEBRIS.</li> <li>REPLACE MULCH AS NEEDED.</li> </ul>  | REGULARLY<br>(MONTHLY)                          |
| <ul> <li>- INSPECT INFLOW AREA FOR SEDIMENT ACCUMULATION. REMOVE ANY ACCUMULATED SEDIMENT OR DEBRIS.</li> <li>- INSPECT SITE FOR EROSION AS WELL AS SEDIMENT AND MULCH WHICH HAVE BEEN MOVED AROUND IN THE GARDEN. ADD/REPLACE VEGETATION IN ANY ERODED AREAS.</li> <li>- INSPECT RAIN GARDEN FOR DEAD OR DYING VEGETATION. REPLACE VEGETATION AS NEEDED.</li> <li>- TEST PLANTING BED FOR PH. IF THE PH IS BELOW 5.2, LIMESTONE SHOULD BE APPLIED. IF THE PH IS ABOVE 8.0, IRON SULFATE AND SULFUR SHOULD BE APPLIED.</li> </ul> | ANNUALLY<br>(SEMI-ANUALLY DURING<br>FIRST YEAR) |
| - REMOVE AND REPLACE MULCH.   | EVERY 2 TO 3 YEARS                              |



Revisions

PLANNING & DESIGN P/L

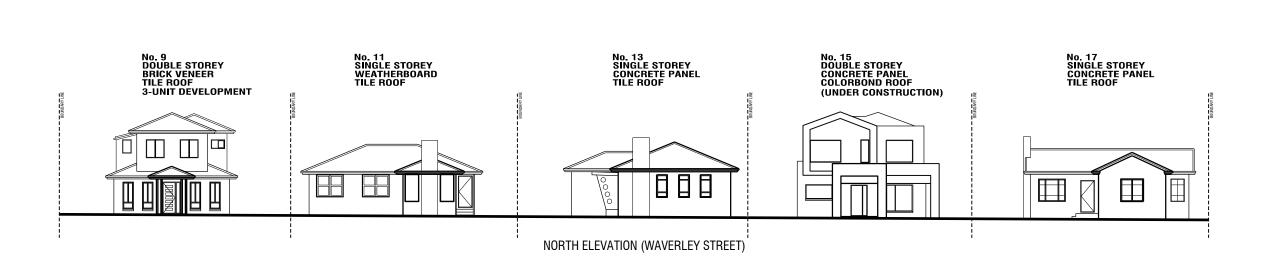
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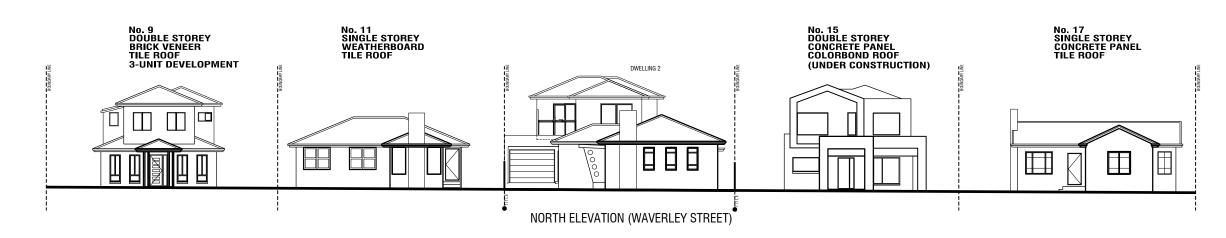
P L A N N I N G & GARAGE

N G & DATE SCALE DRAWN BY CHECKED BY PROJUCE 1:100@A1 H.S. C.M WSUD





#### **EXISTING ELEVATIONS**



#### **PROPOSED ELEVATIONS**



