Reference: DA20240013

## **Statement of Environmental Effects**

Accompanying a development application for development of a replacement dwelling house

At

570/-/DP1306000

### 18 HENDY ROAD, BURONGA



#### 1. Introduction

This statement of environmental effects has been prepared to accompany a development application for construction of a replacement dwelling house at 18 Hendy Road Buronga.

The proposal has been designed to achieve the relevant provisions of Wentworth Local Environmental Plan 2011, and Clause 4.15 of the Environmental Planning and Assessment Act 1979 (as amended). This application seeks approval for the construction of a replacement dwelling house on the land.

#### 2. Site description and analysis

#### 2.1 Location and property description

The subject site is located towards the end of Hendy Road and adjoins Murray River along its southern boundary. It is relatively rectangular in shape and has an area of approximately 6350m<sup>2</sup>.

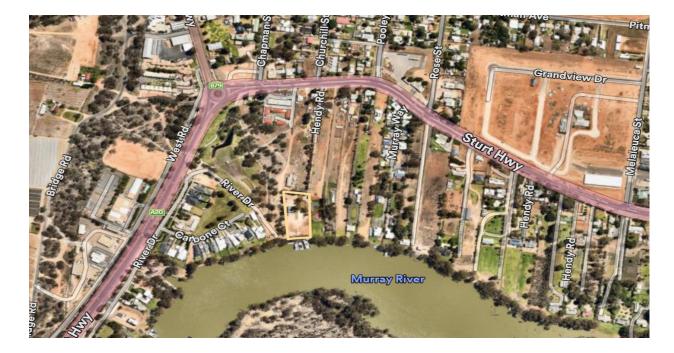


#### 2.2 Site characteristics

The site currently contains a couple of sheds that were used in association with the existing dwelling on the land. The existing dwelling house on the land has been demolished to facilitate the construction of a new dwelling house. The site is relatively clear in terms of vegetation with the provision of some native vegetation in the northern half of the property.

#### 2.3 Surrounding development

Immediate surrounding areas to the north, east and west comprise varied size allotments having dwellings with associated infrastructure. The rear boundary of the site adjoins W2- Recreational Waterways comprising Murray River. The land immediately to the west is zoned RE1 - Public Recreation comprising native vegetation.



#### 3. Details of proposal

#### 3.1 Proposed works

The proposal is to construct a replacement dwelling house on the land. The dwelling house will have an overall area of 2071.56m<sup>2</sup>. It will comprise a cellar door and storage area at the lower ground level. The ground floor will comprise an entertainment area, garage, living, kitchen, dining, theatre, gym, study, bedroom with ensuite, three bathrooms, parents retreat area and a laundry. The first floor will comprise three bedrooms with ensuites, a retreat area, powder room and store area. The dwelling house will be constructed using variety of colours and materials and their details have been shown on the plans.

#### 4 Clause 4.15 - Matters for consideration

The following provides an assessment of the proposal against the provisions of Clause 4.15 of the Environmental Planning and Assessment Act (as amended).

#### **State Environmental Planning Policies**

The following State Environmental Policies apply to this land:

- State Environmental Planning Policy (Biodiversity and Conservation) 2021: Excluded (pub. 21 -10-2022)
- State Environmental Planning Policy (Biodiversity and Conservation) 2021: Land Application (pub. 2-12-2021)
- State Environmental Planning Policy (Exempt and Complying Development Codes) 2008: Land Application (pub. 12-12-2008)
- State Environmental Planning Policy (Housing) 2021: Land Application (pub. 26-11-2021)
- State Environmental Planning Policy (Industry and Employment) 2021: Land Application (pub. 2-12-2021)
- State Environmental Planning Policy (Planning Systems) 2021: Land Application (pub. 2-12- 2021)
- State Environmental Planning Policy (Primary Production) 2021: Land Application (pub. 2-12- 2021)
- State Environmental Planning Policy (Resilience and Hazards) 2021: Land Application (pub. 2 -12-2021)

#### Statement of Environmental Effects Hendy Road, Buronga, NSW

- State Environmental Planning Policy (Resources and Energy) 2021: Land Application (pub. 2-12-2021)
- State Environmental Planning Policy (Sustainable Buildings) 2022: Land Application (pub. 29- 8-2022)
- State Environmental Planning Policy (Transport and Infrastructure) 2021: Land Application (pub. 2-12-2021)

The proposal will not contravene any of the above policies as the scale of the development is small. No vegetation has been proposed for removal as the new dwelling house will be setback reasonably from the vegetation on the land.

### Local Environmental Plan

The subject site is zoned RU5- Village and the zone has the following objectives:

- To provide for a range of land uses, services and facilities that are associated with a rural village.
- To promote development in existing towns and villages in a manner that is compatible with their urban function.
- To encourage well-serviced sustainable development.
- To ensure there are opportunities for economic development.
- To deliver new residential and employment growth in Buronga and Gol Gol.
- To ensure business and retail land uses are grouped within and around existing activity centres.

The proposal does not contravene the zone in any way and is consistent with the development on surrounding properties. Such development is anticipated in the zone in this area to for residential purposes. The proposal involves replacement of the existing dwelling and will result in new residential development within Buronga.

### **Flood Planning**

The objectives of this Clause are as follows:

- To minimise the flood risk to life and property associated with the use of land,
- To allow development on land that is compatible with the flood function and behaviour on the land, taking into account projected changes as a result of climate change,
- To avoid adverse or cumulative impacts on flood behaviour and the environment,
- To enable the safe occupation and efficient evacuation of people in the event of a flood.

The proposal will have no detrimental effect on the natural flood carrying capacity of nearby waterways and any damage from flooding will be minimal. It will be referred to the relevant flood management authority and works will be carried out in accordance with the requirements of the authority.

### Wentworth Development control plan 2011

The proposal in general complies with the Development Control Plan. The site is marked as flood-affected land and the following provisions within the Development Control Plan are relevant:

#### Flood Report

Where land has been identified as being subject to flooding a flood study is to be prepared in accordance with Council's requirements addressing the impacts of flooding and any measures to mitigate these

#### Statement of Environmental Effects Hendy Road, Buronga, NSW

impacts. A Flood Planning Area Map is included with the Wentworth Local Environmental Plan 2011 for the area of shire affected by this DCP. The Map shows the extent of flooding with the floodway traverses much of the River Murray and areas immediately adjoining the River Murray northern banks plus tributaries such as Tucker Creek, part Darling River and part of Darling Anabranch, and flood storage areas of both low and high hazard adjoining the floodway.

Flood reports will not be required for the proposal as the proposal involves replacement of an existing dwelling house.

#### Flood Affected Land

#### <u>Controls</u>

Flood Planning Level (FPL) is defined as land at or below a one percent annual Exceedance probability flood level plus 750mm (0.75m).

Flood Planning Area is defined as the area of land below the Flood Planning Level and thus subject to flood related controls.

For developments at or below the FPL

• Applicants must have regard to the provisions of Wentworth Local Environmental Plan specific to clauses on flood liable land.

The proposal in general complies with the provisions of Wentworth Local Environmental Plan in relation to flooding.

• Construction – pier and beam construction or suspended reinforced concrete slabs must be used, as these minimise the requirement for cut and fill and allow floodwaters to flow under the building.

Complies as the dwelling house will be constructed in accordance with this requirement.

• Cut and Fill – cut and fill on flood affected land should be minimised. Filling can result in a reduction in flood storage or change flow patterns and is not permitted unless it can be demonstrated that there is no decrease in storage capacity on the property and that flow characteristics will not significantly be changed. Cutting can result in an increase in flood depths and potentially, an increase in flood hazard and/or extent of inundation, and is not permitted unless it can be demonstrated that flood behaviour will not be altered.

The proposal does involve cut and fill however it will not result in decrease in storage capacity on the property or alteration of the flow characteristics for the flooding. It will also not result in an increase in flood hazard and/or extent of inundation.

The proposal will have no detrimental effect on the natural flood carrying capacity of nearby waterways and any damage from flooding will be minimal as it will not obstruct the passage of floodwater. The

#### Statement of Environmental Effects Hendy Road, Buronga, NSW

site is wholly covered by Flood Planning Area and therefore works cannot be located outside the mapping area. As part of the application process, the proposal will be referred to the relevant flood management authority and works will be carried out in accordance with the advice of the flood management authority to ensure that the works do not impede the flow of floodwater. It is important to mention that land was developed with a dwelling house and the proposal is to replace the existing dwelling house.

The proposal will not result in any unreasonable impact on the landscape and on the adjoining properties as it will not be visible from the road given it will be located within the rear half of the property.

#### **Residential Development Control**

#### Site Context and Analysis

The site plan and associated plans have been prepared to show compliance with this requirement. The plans show orientation of the land, the topography, existing vegetation, views, size and dimensions and the location of neighbouring buildings.

#### **Streetscape**

As discussed above the dwelling house will be setback reasonably from the front boundary. Therefore, the streetscape character of the development will not be changed significantly. The dwelling will respond to specific site conditions and will complement adjoining homes. Landscaping has been proposed to soften the overall appearance of the dwelling house. The articulation will have regard to adjoining and surrounding development. The garage of the dwelling will not dominate the streetscape as it will be constructed from materials and colours which are compatible with the dwelling character. The width of the garage will not exceed 50% of the frontage of the dwelling. The dwelling house will have an interface to the Murray River, and it has been designed to provide an attractive interface to the river. The frontage to the Murray River for the dwelling will have verandah, living area etc. to have an active frontage to the river. A variety of colours and materials will be used to add attractiveness.

The proposal has been designed to respond to specific elements of the neighbourhood character of the area. The dwelling will be of typical design being consistent with the surrounding area and causes no deviation from the established character.

#### Front Setbacks

The front setback of the dwelling house will be in accordance with this control.

#### Site Setbacks and Corner Lot Setbacks

The site setbacks of the dwelling house will be in accordance with this control.

#### Rear Setbacks

The rear setback of the dwelling house will be in accordance with this control. No overlooking is anticipated as the dwelling on the adjoining land to the east is setback reasonably from the proposed dwelling.

#### Walls on Boundaries

Not applicable as no walls on boundaries have been proposed.

#### **Building Heights and Overshadowing**

Complies. No adjoining properties will be affected by overshadowing.

#### Site coverage

Complies. The site coverage will be less than 60%.

#### Private Open Space

Complies. The dwelling will have adequate amount of private open space in accordance with this control.

#### **Energy Efficiency and Solar access**

Complies.

#### Daylight to existing windows

Complies.

#### North-facing windows

Complies.

#### <u>Overlooking</u>

Complies. The boundary fences along boundaries will limit views into existing secluded private open space and habitable room windows of the adjoining dwellings. Windows at the first-floor level will have fixed, obscure glazing and screening to avoid overlooking in accordance with the control.

#### Fencing and Retaining Walls

Not applicable as no front fencing has been proposed.

#### Car Parking and Vehicle Access

Complies.

#### Cut and Fill

Complies and this has already been discussed in the report.

# The likely impacts of that development, including environmental impacts on both the natural and built environments, and social and economic impacts in the locality.

The amenity of the area will not be impacted as such development is anticipated under the zone. The surrounding area is developed in a similar manner and therefore it will be consistent with the character of the area. No vegetation will be removed to facilitate the construction.

#### The suitability of the site for the development,

The area of the land is large enough to accommodate the proposal.

#### 5.0 Other considerations

#### **5.1 Visual Impacts**

The subject land is in an existing residential area and such development is anticipated under the zone. Being reasonably setback from the road, the proposed works will not have any visual impact on the local area. It is acknowledged that the size of the dwelling house is large however it will be setback reasonably from the adjoining dwellings in the area. The dwelling house will be setback reasonably from the adjoining dwelling to the east and the existing dwelling to the west is separated by a road and a reserve. It is important to mention that the existing dwellings in the area are larger than the conventional dwelling houses due to their interface with the river.

#### 5.2 Open Space

The subject land has an area of approximately 6350m<sup>2</sup> and provides for adequate open space.

#### 5.3 Overshadowing and Privacy

The proposal will be setback reasonably from the dwellings in the area and will not impact any existing dwellings in relation to overshadowing therefore not resulting in any overlooking which can cause privacy issues.

#### 5.4 Noise

Such development is anticipated under the zone and is considered normal.

#### 5.5 Erosion Control Measures

All erosion control measures will be undertaken by the builder to ensure no offsite impacts.

#### **5.6 Economic and Social Impacts**

The proposal will not result in any social or economic impacts. It will rather create economic benefit in relation to jobs by employing a local business to do the works.

#### **5.7 Environmental Benefits**

There are to be no adverse environmental impacts that will result from the proposal.

#### **5.8 Disabled Access**

Not applicable.

#### 5.9 Security, Site Facilities and Safety

#### 5.10 Waste Management

No waste management will be required. Waste during construction will be managed by the provision of garbage receptacle.

#### 5.11 Building Code of Australia

The proposal will be constructed in accordance with the Building Code of Australia and Council requirements.

#### 5.12 Traffic

The proposal will not generate any additional traffic.

#### 5.13 Stormwater/flooding

Stormwater will be managed on site as the area of the land is large. Water tanks have been proposed to capture the stormwater. The site is located within the flooding area however the proposal will not result in the increase of flooding as discussed earlier in the report.

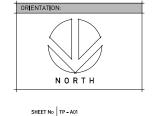
#### 6.0 Conclusion

The application is considered appropriate in this instance. The proposal in general is consistent with the surrounding land uses and development. Accordingly, it is recommended the development approval be granted.

Brent. A Williams Managing Director C.P.P | M.P.I.A | M.A.I.B.S

DEVELOPMENT APPLICATION [NOT FOR CONSTRUCTION ] NOV. 21ST 2024

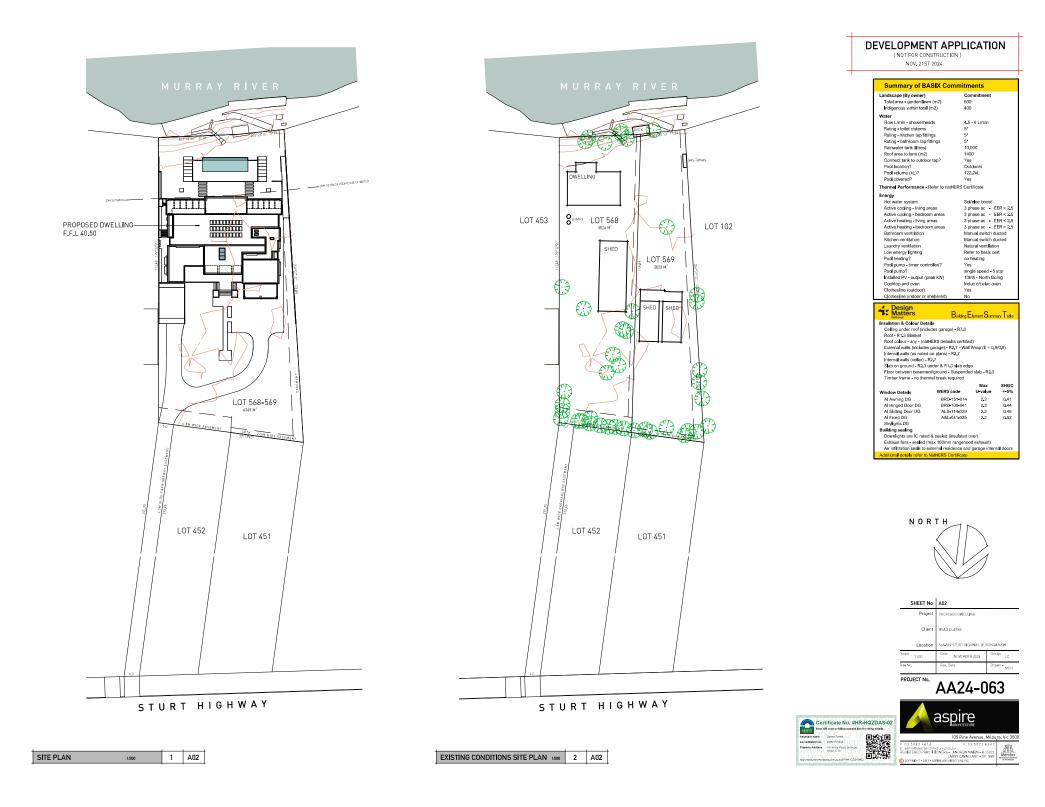




	Client	BRAD CLARKE	
	Location	568-569 STURT HIGHWAY, BURONGA NSW	
	Scale N.T.S	Date NOVEMBER 2024	Design LC
	Rev No.	Rev. Date	Drawn MCH
	PROJECT NO. AA24-063		
Certificate No. #HR-HGZDAS-02 Base OR over an official weeks in for ranking on the			
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Project PROPOSED OWELLING

LOCALITY PLAN 1 A01 N.T.S







OTHER THE APPLICANT MUST INSTALL AN INDUCTION COOKTOP & ELECTRIC OVEN IN THE KITCHEN OF THE DWELLING. THE APPLICANT MUST INSTALL & FIXED OUTDOOR CLOTHES DRYING LINE AS PART OF THE DEVELOPMENT.

THE PHOTOXOLATIC SYSTEM MUST CONSIST OF: PHOTOXOLATIC COLLECTORS WITH THE CAPACITY TO GENERATE AT LEAST TO PEAK RLOWATTS OF ELECTRCITY, INSTALLED AT AN ANGUL BETWEEN 0 AND 10 DEGREES TO THE HORIZONTAL FACING NORTH.

THE APPLICANT MUST INSTALL A TIMER FOR THE SWIMMING POOL 20MP IN THE DEVELOPMENT. ALTERNATIVE ENERGY THE APPLICANT MUST INSTALL A PHOTOVOLTAIC SYSTEM AS PART OF THE DEVELOPMENT. THE APPLICANT MUST CONNECT THIS SYSTEM TO THE DEVELOPMENT'S ELECTRICAL SYSTEM.

THE DEVELOPMENT MUST NOT INCORPORATE ANY HEATING SYSTEM FOR THE SWIMMING PODL. THE APPLICANT MUST INSTALL THE FOLLOWING PUMP FOR THE SWIMMING POOL IN THE DEVELOPMENT, OR A PUMP WITH A HIGHER ENERGY RATING: SINGLE SPEED WITH A PERFORMANCE OF 5 STARS.

NATURAL LIGHTING THE APPLICANT MUST INSTALL A WINDOW AND/OR SKYLIGHT IN 7 MATHROOMISU/TOILETISI IN THE DEVELOPMENT FOR NATURAL LIGHTING SWIMMING POOL

ARTIFICIAL LIGHTING THE APPLICANT MUST ENSURE THAT A MINIMUM OF 80% OF LIGHT FRURES ARE FITTED WITH FLUORESCENT, COMPACT FLUORESCENT, OR LIGHT-EMITTING DIDDE ILEDI LAMPS.

- KITCHEN INDIVIDUAL FAN, DUCTED TO FACADE OR ROOF, OPERATION CONTROL: MANUAL SWITCH ON/OFF LAUNDRY: NATURAL VENTILATION ONLY, OR NO LAUNDRY; OPERATION CONTROL: N/A

AT LEAST 1 BATHROOM: INDIVIDUAL FAN, DUCTED TO FACADE OR ROOF; OPERATION CONTROL: MANUAL SWITCH ON/OFF.

VENTILATION THE APPLICANT MUST INSTALL THE FOLLOWING EXHAUST SYSTEMS IN THE DEVELOPMENT:

THE APPLICANT MUST INSTALL THE FOLLOWING HEATING SYSTEM, OI A SYSTEM WITH A HIGHER ENERGY RATING, IN AT LEAST I BEDROOM: 3-PHASE AIRCONDITIONING, ENERGY RATING: EER  $\leftarrow 2.5$ .

HEATING SYSTEM THE APPLICANT MUSTING TALL THE FOLLOWING HEATING SYSTEM, OF A SYSTEM WITH A HIGHER ENERGY RATING, IN AT LEAST 11 LIVING AREA: 3-PHASE AIRCONDITIONING, ENERGY RATING: EER ← 2.5.

THE APPLICANT MUST INSTALL THE FOLLOWING COOLING SYSTEM, DR A SYSTEM WITH A HIGHER ENERGY RATING, IN AT LEAST 1 BEDROOM: 3-PHASE AIRCONDITIONING, ENERGY RATING: EER  $\leftarrow$  2.5.

COOLING SYSTEM THE APPLICANT MUSTINSTALL THE FOLLOWING COOLING SYSTEM, OF A SYSTEM WITH A HIGHER ENERGY RATING, IN AT LEAST 1 LIVING AREA. 3-PHASE ARCONDITIONING, ENERGY RATING EER ← 2.5.

HOT WATER THE APPLICANT MUST INSTALL THE FOLLOWING HOT WATER SYSTEM IN THE DEVELOPMENT, OR A SYSTEM WITH A HIGHER ENERGY RATING: ELECTRIC BOOSTED SOLAR.

THERMAL COMPONE COMMITMENTS THE APPELANT MISTONS TRUCT THE DEVELOPMENT IN ACCORDANCE WITH ALL HERMAL PERFORMANCE SPECIFICATIONS SET OUT IN THE ASSESSOR CRETERATE. AND IN ACCORDANCE WITH THOSE ASPECTS OF THE DEVELOPMENT APPLICATION OR APPLICATION FOR A COMPLYING DEVELOPMENT CERTIFICATE WICH WEEK USED TO CAUCULATE THOSE SPECIFICATIONS. THE APPLICANT MUST CONSTRUCT THE FLOORS, WALLS, ROOPS DEJLINGS AND GLAZING OF THE DWELLING IN ACCORDANCE WIT THE SPECIFICATIONS LISTED IN THE BASIC REPORT (PAGES 6 & 7

THE SWIMMING POOL MUST BE DUTDOORS THERMAL COMFORT COMMITMENTS

SWIMMING POOL THE SWIMMING POOL MUST NOT HAVE A VOLUME GREATER THAN 122.2 KILOLITRES. THE SWIMMING POOL MUST HAVE A POOL COVER.

THE APPL CANT MUST CONNECT THE RAINWATER TANK TO: • AT LEAST ONE OUTDOOR TAP IN THE DEVELOPMENT INOTE. NSW HEALTH DOES NOT RECOMMEND THAT EARIWATER BE USED FOR HUMAN CONSUMPTION IN AREAS WITH POTABLE WATER SUPPLY.]

THE APPLICANT MUST CONFIGURE THE RAINWATER TANK TO COLLECT RAIN RUNOFF FROM AT LEAST 1400 SQUARE METRES OF THE ROOF AREA OF THE DEVELOPMENT LEXCLUDING THE AREA OF THE ROOF WHICH DRAINS TO ANY STORMWATER TANK OR PRIVATE DAML

RAINWATER TANK THE APPL CANT MUST INSTALL & RAINWATER TANK OF AT LEAST THOOD LITRES ON THE STE. THIS RAINWATER TANK MUST MEET, AND BE INSTALLED IN ACCORDANCE WITH, THE REQUREMENTS OF ALL APPLICABLE REQULATORY AUTOMITIES.

ALTERNATIVE WATER

THE APPLICANT MUST INSTALL TAPS WITH A MINIMUM RATING OF 5 STAR IN THE KITCHEN IN THE DEVELOPMENT. THE APPLICANT MUST INSTALL BASIN TAPS WITH A MINIMUM RATING. DES STAR IN FACH PATHROOM IN THE DEVELOPMENT.

THE APPLICANT MUST INSTALL A TOILET FLUSHING SYSTEM WITH A MINIMUM RATING OF 5 STAR IN EACH TOILET IN THE DEVELOPMENT.

FIXTURES THE APPLICANT MUST INSTALL SHOWERHEADS WITH A MINIMUM RATING OF 4 STAR (-> 4.5 BUT <-- 6 L/MIN PLUS SPRAY FORCE AND/OR COVERAGE TESTS) IN ALL SHOWERS IN THE DEVELOPMENT.

BASIX REQUIREMENTS: LANDSCAPE THE APPLICANT MUST PLANT INDIBENDUS OR LOW WATER USE SPECIES OF VEGETATION THROUGHOUT 400 SQUARE METRES OF THE SITE.

