



**Statement of  
Environmental  
Effects  
at  
22 Deakin Street,  
Forestville  
NSW 2087  
For  
Michael & Sheri Nuss**

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**RAPID PLANS**

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## **1 INTRODUCTION**

This Statement of Environmental Effects accompanies the development application for the proposed alterations and additions at 22 Deakin Street in Forestville.

This statement seeks to express that the proposal complies with Council's Ordinances and has compliance with the Council's objectives.

In formulating this Development Application careful consideration has been given to the sensitivity of the site, its relationship with surrounding properties, and the unique character of the streetscape and the nature of the surrounding area.

## 2 THE EXISTING BUILDING

### 2.1 Site

The residence is located on the northern side of Deakin Street in the residential neighbourhood of Forestville.

Site Address: No 22 Deakin Street, Forestville

#### LOCATION PLAN



### 2.2 Local Authority

The local authority for this site is:  
Northern Beaches Council (Warringah)  
Civic Centre, 725 Pittwater Road,  
Dee Why NSW 2099  
DX 9118 Dee Why  
Telephone: 9942 2111

### 2.3 Zoning

Lot 2 DP.30459 known as 22 Deakin Street, Forestville, has a Zoning of R2 Low Density Residential. This property does not fall within a Conservation Area.

### 2.4 Planning Controls

Planning controls used for the assessment of this Development Application are:  
Warringah Local Environment Plan 2011  
Warringah Development Control Plan 2011

### 2.5 Context and Streetscape

The house is situated in a street that is characterized by large trees and period homes. The street presents as typical of the garden suburb characterised by property

trees small shrubs and street trees.

The street trees are quite mature overhanging the avenue and the properties in the street have a mix of trees and small shrubs. The property is an existing single storey dwelling with housing directly opposite. Houses in the street are mainly single and double storey of varying periods with a mix of period homes & modern architectural style housing.

The locality is considered a low-density area. An important characteristic and element of Forestville significance as a garden suburb is the garden setting of its houses, and the flow of garden space around and between its houses.

## ***2.6 Existing Areas of the Dwelling***

The site has an existing single storey dwelling with concrete parking area to the front.

## ***2.7 Existing off-street parking***

There is parking available for multiple cars in the existing carport & on the existing concrete drive. There is no necessity for street parking.

## ***2.8 Existing Landscaping***

The landscaping to the existing property consists of small strip gardens & shrubs along the front & side boundaries with a grassed area to the front of the property. To the rear yard there are several shrubs around the pool area with lawn areas between the pool & house & the NW corner of the rear yard. The existing landscaping is to be maintained where possible for this development.

### 3 THE PROPOSAL

Visual character of the street will remain consistent with the local dwellings as one that maintains the garden suburb. The building will remain a single storey building with car parking to the front. The appearance & bulk of the building is to be maintained throughout the development to be in keeping with surrounding properties. The proposed works provide for a rear addition with new rear deck & pool safety barrier.

The proposal is in sympathy with the existing residence maintaining the scale and character of a house and the garden suburb.

#### ***3.1 Features of the Proposal***

**Externally the proposal encompasses:**

- New ground floor addition to rear of dwelling
- New rear deck & pool safety barrier
- New pitched tiled roof

**Internally the proposal encompasses:**

- New sitting & lounge rooms to rear addition with beam connecting to existing dwelling
- Demolish parts of rear & internal of dwelling
- New kitchen, dining & laundry

#### ***3.2 Present and Future uses of the Residence***

The present use of the residence is as a detached private residence on its own title and this will **not** change with the proposal.

#### ***3.3 Purpose for the additions***

The new proposal provides better provision for living & entertaining areas for the residents whilst maintaining the bulk of the dwelling that is fitting for the Forestville area. The owner is looking to extend as well as maintaining certain key components of the existing dwelling by reconfiguring & refurbishing internal areas to be more usable for the owner's family. A new sitting & lounge room rear addition is required on the ground floor which uses the existing external deck area to allow for the existing floor plan layout to be expanded without the existing footprint for an improved open plan layout. A new rear deck & pool safety barrier is also required to

improve the entertaining to the rear of the property. The design maximizes the existing dwelling & available area of land whilst maintaining the bulk. The proposed development maintains the north-eastern aspect improving the lifestyle for the resident as well as making the residence much more energy efficient and environmentally friendly.

### **3.4 Materials and finishes proposed to be used**

Materials proposed to be used externally, are new, weatherproof, durable and aesthetically pleasing, reflecting and fitting in general with the existing built environment and surrounding materials and reflecting the existing materials and design of the existing residence.

External materials used, and colours selected for finishing to new works are generally matching existing or sympathetic to the existing materials, comprising of:

Exterior brickwork to match existing

windows & doors to match existing

Tiled roofing to match existing

Timber deck painted/stained

### **3.5 Height**

The height of the new development will not exceed the 8.5m height limit.

### **3.6 Site Controls**

<b>Proposed Development</b>	<b>Proposed</b>	<b>Allowable</b>
Site Area	696 sq m	-
GFA (Gross Floor Area)	167.29 sq m	-
Height	5.1m	8.5m
Built upon area	416.49 sq m	417.48 sq m (max)
Landscaping	279.52 sq m	278.40 sq m (min)

### ***3.7 Setbacks and Siting***

<b>Proposed Development</b>	<b>Proposed</b>	<b>Allowable</b>
Front Set Back	10.652m (Existing)	6.5m
Rear Set Back	9.641m (Deck) 12.397m (House)	6.0m
Side Set Back	1.277m	0.9m

The front & side setbacks of the residence will remain consistent with the existing dwelling & adjacent properties. The rear addition & deck is well clear of the rear setback guideline which maintains the openness of the property.

### ***3.8 Access and Traffic***

Due regard has been given to pedestrian and vehicular access. The proposal shows that the existing access to Deakin Street is to be maintained with the existing driveway to maintain the Council parking provision & provide safe vehicle movements. The proposed development will have no detrimental impact on traffic flow.

### ***3.9 Privacy, Views and Outlook***

The positioning of windows and open space in the proposed residence at No 22 Deakin Street has minimal impact on the visual and acoustic privacy of adjoining properties. The siting and design of the proposed addition minimizes overlooking into neighbours' living areas and recreation space with substantial privacy & clearance to neighbouring properties. The masonry walls provide a barrier to the neighbours on the adjacent boundaries and the new rear deck area does not directly impact to neighbouring properties.

### ***3.10 Solar Access and Overshadowing***

The site slopes from the north to south. The location of the proposed addition has been carefully designed to maximize the northerly solar aspect with minimal impact on neighbour's properties. The bulk of the wall & roof shadowing will be existing with only a small shadow increase which will maintain sunlight to the open space areas on



the easterly adjacent property.

### ***3.11 Acoustic Privacy***

Acoustic privacy has been maintained across the development. The masonry walls and timber floors on the property act as a buffer to noise as well as careful planting. It is considered that this development imposes minimal noise impact to neighbours.

### ***3.12 Water Management***

Appropriate water management measures have been adopted in this development. Stormwater from new roofed areas will be fed into the existing stormwater drainage system and piped to the street gutter.

### ***3.13 On-Site Detention***

As per Warringah Council On-Site Stormwater Detention Technical Specification August 2012 alterations & additions for single residential dwellings will not require OSD & this property is located on the high side of the street.

## **4 ENERGY EFFICIENCY**

Energy conservation is an important feature in the design of this development. Careful consideration has been given to promote sustainable design.

### ***4.1 Orientation***

The living spaces have been designed to make maximum use of the existing dwelling as well as the northerly aspect.

### ***4.2 Passive Solar Heating***

The living spaces have timber floors and masonry walls. The outdoor areas are to be timber to promote heating during the winter months. Materials that have a high thermal mass have been proposed to maximize the heating potential of the sun. This is to reduce the need to use active systems for the heating of the living spaces.

### ***4.3 Passive Cooling***

Overhangs have been designed to prevent the sun from entering the house during the summer months & to provide compliance with Basix certificate. The rear deck has the roof extended over to provide shade from the westerly sun. There is the potential for cross ventilation cooling with the sliding open doors and windows maximizing the

north-easterly breezes. As per the Basix Certificate improved aluminium doors & windows with several using pyrolytic low-e glass are to be used to assist in passive cooling.

#### ***4.4 Natural light***

Large open windows and doors to the north & west enable the living spaces to have generous amounts of sun during the winter months and natural light during the summer months.

#### ***4.5 Insulation and Thermal Mass***

The development will be constructed from a brick and timber frame construction. As well as providing for acoustic and fire requirements this construction provides a good thermal mass for the house. The new works to the house shall be thermally insulated in the ceiling with R1.45 75mm foil backed blanket, R1.3 batts to the exterior walls and where necessary to the party walls.

#### ***4.6 Waste Management***

This proposal promotes waste minimization and would have minimal impact on existing waste management strategies. Ample space for the separation and temporary storage of waste and recycling bins has been allowed in the front yard. Household effluent will be disposed of to Sydney Water requirements. During construction onsite sedimentary controls, including hay bales and filter barriers, will be used to prevent stormwater pollution. On site sorting of construction waste will ensure maximum recycling occurs.

#### ***4.7 Siting and Setback***

Forestville is noted for the uniformity and the site coverage siting. Most houses are free standing with the car access to the front or down one side. 22 Deakin Street is a good example of this in that it maintains its car parking in the existing carport minimizing cars parked on the street. The siting of the house is relevant to the shape of the block & neighbouring properties with the entry to be maintained. The new section to the rear of the house follows this design concept. There have been generous areas of ground dedicated to the planting of landscaped areas in both the front and the rear areas of the house.

#### ***4.8 Development on Sloping Land***

No. 22 Deakin Street, Forestville is shown in Landslip Category A: >5 degrees slope on Northern Beaches Council Landslip map. In relation to Clause 6.4 of WLEP 2011, the proposed development has a low risk of landslide in relation to both property & life due to the flat grade & structural integrity of the site & dwelling. There is no detrimental impact of stormwater discharge as the proposal makes use of the existing stormwater system with the additional runoff feeding into the existing system & piped to the street gutter. The development will not impact on or affect the existing subsurface flow conditions due to minimal excavation for footings with minimal disturbance of soil.

#### ***4.9 Building Form***

Residential buildings in Forestville are uniformly single and double storey and similar in bulk. They are similar in shape but remain individually designed. The wall facades are to be masonry to match existing. The new works have been designed to maintain the overall look of the building form & to create a modern design that suites the area.

#### ***4.10 Roof Form***

Roofs of this housing period are usually quite simple and accentuate the single and double storey scale of the house. The existing house has a tiled roof with the proposal to utilize the existing roof form to the rear of the property over the addition under this proposal.

#### ***4.11 Walls***

A distinctive feature of the Forestville house is that the walls are constructed from brick. The design incorporates these walls into the new works to create a seamless finish to the property.

#### ***4.12 Windows and Doors***

A variety of window shapes and sizes can be found in the Forestville area. These individualize each of the homes giving each a unique character. Windows are typically rectangular in shape and are of a vertical proportion. Bay windows are also used although sliding, double hung and casement types are more typical. Windows and doors are usually made from alloy or timber and are invariably painted.

The proposed sliding windows and doors at 22 Deakin Street are to be constructed in

alloy. Care has been taken not to create privacy issues with neighbouring properties & provide ample natural light & airflow for the owners.

#### ***4.13 Garages and Carports***

The freestanding houses in Forestville allowed for the cars to drive to the front or down the side of the house. This development maintains the existing carport & concrete drive with a new concrete drive side extension with parking available for 2 vehicles.

#### ***4.14 Colour Scheme***

The colour scheme of the proposed addition will be in sympathy with the period of the original house.

Please refer to Appendix 1 for the Colour Scheme schedule

#### ***4.15 Fences and Gates***

Fences & gates are to be maintained for this development except for a new pool safety barrier to manufacturers & Australian Standards.

#### ***4.16 Garden Elements***

The garden areas are to be maintained where possible promoting the concept of a garden suburb. No substantial trees are to be affected with additional planting required around the proposed pool area where needed. The existing streetscape is to be maintained.

## **5 CONCLUSION**

### ***5.1 Summary***

This proposal is considered suitable for the site and provides a balance between low density living, amenity and outdoor space. The proposed changes to 22 Deakin Street are sympathetic and consistent with the existing character of the surrounding streetscape and residential density of Forestville. The proposed design solution provides a private residence that is both architecturally and environmentally responsive to the needs of the site and local community. Masonry walls, timber floors & deck, window orientation, natural daylight and ventilation combine to greatly improve the immediate and future amenity of this residence. These factors work

together to minimize the impact of the proposed development on adjoining properties and enhance the amenity of the surrounding area. We consider that the proposal will impose minimal impact and request that council support the Development Application.

## 6 APPENDIX 1 – Schedules

### 6.1 Schedule of finishes

Schedule of Exterior Materials, Finish and Colours

EXTERIOR ELEMENT	MATERIAL	FINISH	AS 2700 1996 COLOUR
6.1.1 Wall	Brick	Paint	Match existing
6.1.2 Gutter	Colorbond	Medium to Dark	Match existing
6.1.3 Deck Posts	Timber	Paint	By Owner
6.1.4 Door frame	Alloy	Paint	Match existing
6.1.5 Door	Timber & glass	Paint	Match existing
6.1.6 Window	Alloy & glass	Paint	Match existing
6.1.7 Roofing	Tile	Medium to Dark	Match existing