# STATEMENT OF ENVIRONMENTAL EFFECTS

# FOR PROPOSED ALTERATIONS AND ADDITIONS TO EXISTING DWELLING INCLUDING A NEW ATTACHED DOUBLE GARAGE, DRIVEWAY AND CROSSING, FRONT FENCE AND ASOCIATED LANDSCAPING

LOCATED AT

## 82 BIRKLEY ROAD, MANLY

FOR

## **RENEE & ANTHONY HAWKINS**



Prepared July 2019

# **Table of Contents**

1.0	Introduction
2.0	Property Description
3.0	Site Description
4.0	Surrounding Environment
5.0	Proposed Development7
6.0	Zoning and Development Controls
6.1	State Environmental Planning Policy No 55 – Remediation of Land
6.2	State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004
6.3	State Environmental Planning Policy (Vegetation in Non-Rural Areas) 20179
6.4	Manly Local Environmental Plan 201310
6.5	Manly Development Control Plan 2013 – Amendment 11 12
7.0	Matter for Consideration under the Under Section 4.15 of the Environmental Planning and Assessment Act, 1979
7.1	Any environmental planning instrument19
7.2	Any proposed instrument that is or has been the subject of public consultation under this Act and that has been notified to the consent authority (unless the Planning Secretary has notified the consent authority that the making of the proposed instrument has been deferred indefinitely or has not been approved), and
7.3	Any development control plan19
7.4	Any planning agreement that has been entered into under section 7,4, or any draft planning agreement that a developer has offered to enter into under section 7.4
7.5	The regulations (to the extent that they prescribe matters for the purposes of this paragraph),
7.6	The likely impacts of that development, including environmental impacts on both the natural and built environments, and the social and economic impacts in the locality
7.7	The suitability of the site for the development20
7.8	Submissions made in accordance with this Act or the regulations
7.1	0 The public Interest
8.0	Conclusion

#### 1.0 Introduction

This Statement of Environmental Effects accompanies details prepared on behalf of Mr Anthony & Mrs Renee Hawkins by Action Plans, Revision A, Sheets DA 00 – DA 14, dated 17 July 2019, to detail the proposed construction of alterations and additions to an existing dwelling to include a new attached double garage, driveway and crossing, front fence and associated landscaping at **82 Birkley Road, Manly.** 

This Statement reviews the proposed development by assessing the relevant matters for consideration under Section 4.15 of the Environmental Planning and Assessment Act 1979, (as amended) including:

- State Environmental Planning Policy No 55 Remediation of Land
- State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004
- State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017
- Manly Local Environmental Plan 2013
- Manly Development Control Plan 2013

#### 2.0 Property Description

The subject allotment is described as **82 Birkley Road, Manly**, being Lot 22, within Deposited Plan 6100 and is zoned R1 General Residential under the Manly Local Environmental Plan 2013.

The site is noted as being within Class 5 acid sulfate soils area. This matter will be discussed in further detail within the report

The subject dwelling is not heritage listed, nor is it within a heritage conservation zone.

There site is not identified as being affected by any hazards.

#### 3.0 Site Description

The site is located on the eastern side of Birkley Road.

The site is rectangular in shape with a frontage of 12.19m to Birkley Road, north-eastern and south-western side boundaries of 30.48m and a rear boundary measuring 12.19m. The site has an area of 366.7m<sup>2</sup>.

The site is currently developed by a single storey clad dwelling with a tile roof.

Vehicular access is currently available to the site via an existing concrete driveway to a metal carport and hardstand car parking area along the southern side of the dwelling. The parking area exhibits an inadequate width to be readily used for parking and the proposal presents an improved parking option within the front setback.

The details of the site are included on the survey plan prepared by Sydney Surveying Services, Reference No. 160418, undated, which accompanies the DA submission.

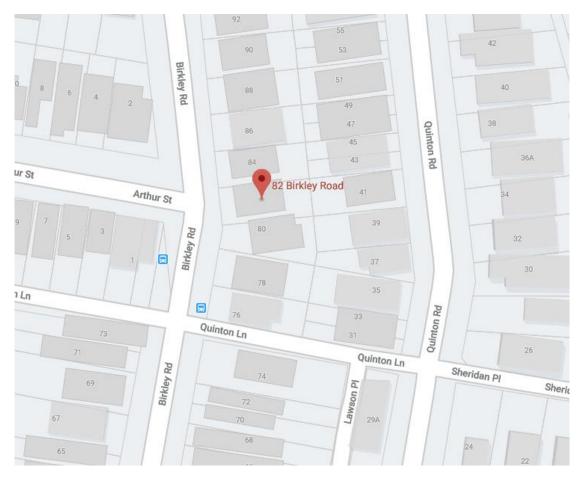


Fig 1: Location sketch (Source: Google Maps)



Fig 2: View of subject site, looking east from Birkley Road (Source: Google Street View)



Fig 3: Streetscape view of existing development to the north of the site (and including examples of trafficable roofed garages within the front setback), looking north-east from Birkley Road (Source: Google Street View)

#### 4.0 Surrounding Environment

The area surrounding the site is represented by a mix of development comprising one and two storey detached and semi-detached dwellings.

The adjoining developments to the north and south are similar detached one and two storey dwellings. The area displays a mix of low and medium density development, with the proposed new works to complement the scale and form of other single residential development in the immediate locality.

In the immediate area, garage facilities and often with trafficable roof terraces are a common feature of the development on the eastern side of Birkley Road.

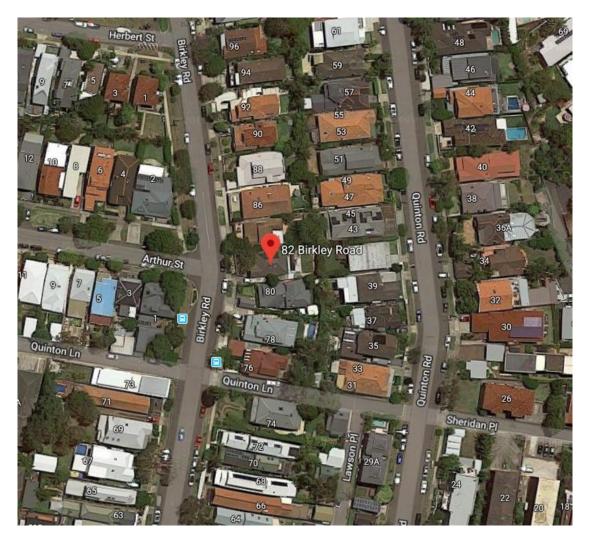


Fig 4: Aerial view of subject site (Source: Google Maps)

#### 5.0 Proposed Development

As detailed within the accompanying architectural plans it is proposed construction of alterations and additions to an existing dwelling including a new attached double garage, driveway and crossing, front fence and associated landscaping.

The proposal is seeking to modify the existing car parking area to provide functional access for two vehicles to be parked off street. The proposal will see the demolition of existing driveway and crossing to the south of the site and the construction of a new driveway and crossing to the north of the site.

As discussed, the existing parking area exhibits a width of less than 2.3m and a length of less than 10m and is therefore non-complaint with Council's minimum required dimensions of a width of 3m and length of 10.8m to accommodate two vehicles.

The proposal to provide a double garage presents an improved parking option within the front setback.

The new driveway and crossing will require the removal of a small street tree. The tree is immature and does not have present a significant contribution to the local character. A replacement tree of a species specified by Council can be provided.

New plantings and garden beds within the are proposed to replace the existing driveway.

A new driveway crossing and layback will be provided in accordance with Council's standard profiles. The public pedestrian footpath will be locally adjusted to reflect the new driveway crossing levels, however this has been recently achieved to the northern neighbour and any re-grading of the footpath to accommodate the new driveway can be readily provided.

The new works will comprise:

#### Dwelling

Demolition of existing study and entrance in order for the construction of the new works and new side entry to the dwelling

#### **External Works**

- > Construction of a new attached double garage with a terrace above
- New driveway and crossing
- > New footpath
- > New garden beds
- New front fence and entry

The proposed new alterations to the dwelling are complementary to the surrounding existing dwellings in Birkley Road, with a number of neighbouring properties (No. 76, 84, 86 and 88 Birkley Road) presenting a garage within the front setback and a large front wall. And often with trafficable roofs providing outdoor terraces which can receive good solar access and amenity.

The proposal provides for new plantings within the front yard which will enhance the streetscape appearance of the site.

The development indices for the site are noted as:

Site Area	366.7m <sup>2</sup>
Allowable Floor Space Ratio	0.60:1 or 220.02m <sup>2</sup>
Proposed Floor Space Ratio	0.49:1 or 182.8m <sup>2</sup>
Required Open Space (Area OS3) – 55% total/35% soft open space	201.68m² (55%)/70.5m² (35%)
Existing Total Open Space	30% or 111.75m <sup>2</sup>
Proposed Total Open Space	31% or 115.78m <sup>2</sup>
Existing Soft Open Space	68m <sup>2</sup>
Proposed Soft Open Space	51.53m²

#### 6.0 Zoning and Development Controls

#### 6.1 State Environmental Planning Policy No. 55 – Remediation of Land

SEPP 55 – Remediation of Land and in particular Clause 7(1)(a) suggests that a consent authority must not grant consent to the carrying out of any development on land unless it has considered whether the land is contaminated.

Given the history of residential use of the land, the site is not considered to be subject to contamination and further investigation is not required at this stage.

#### 6.2 State Environmental Planning Policy (Building Sustainability Index: BASIX) 2004

The proposal has been designed to respect the water, thermal and energy standards required by BASIX. A BASIX certificate has been submitted with the development application.

#### 6.3 State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017

The SEPP commenced on 25 August 2017 and replaced Clause 5.9 of Manly Local Environmental Plan 2011.

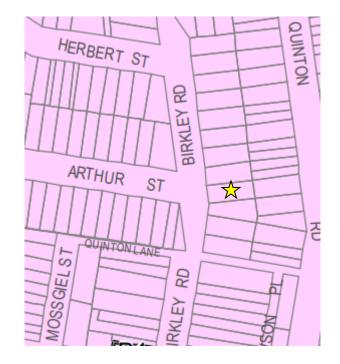
The aims of the SEPP are detailed in Clause 3 and note:

The aims of this Policy are:

- (a) to protect the biodiversity values of trees and other vegetation in non-rural areas of the State, and
- (b) to preserve the amenity of non-rural areas of the State through the preservation of trees and other vegetation.

In this instance, the proposal will not see any loss of any substantial vegetation and is therefore considered to be consistent with the aims of the SEPP.

#### 6.4 Manly Local Environmental Plan 2013



The land is zoned R1 General Residential under the provisions of the MLEP 2013.

Fig 5: Extract of Manly Local Environmental Plan 2013

The development of and use of the land for residential purposes is consistent with the R1 zone objectives, which are noted as:

- To provide for the housing needs of the community within a low density residential environment
- > To provide for a variety of housing types and densities
- To enable other land uses that provide facilities or services to meet the day to day needs of residents.

It is considered that the proposed alterations and additions to the dwelling will be consistent with the desired future character of the surrounding locality for the following reasons:

- The proposal maintains the existing built form of the dwelling and therefore maintains consistency with the existing housing within the locality.
- The proposal provides for alterations and additions that will provide for increased pedestrian and vehicular safety when entering and exiting the property.
- The proposal does not have any impact on views, solar access or amenity for the neighbouring properties.
- The site is utilised as housing and will continue to maintain the residential use.
- The proposed alterations and additions will conserve the significance of the heritage item located on the site.
- The proposal will continue to present as a single storey dwelling which is compatible with the existing development in this portion of Birkley Street.

Clause 4.3 provides controls relating to the height of buildings.

The dictionary supplement to the LEP notes building height to be:

**building height** (or **height of building**) means the vertical distance between ground level (existing) and the highest point of the building, including plant and lift overruns, but excluding communication devices, antennae, satellite dishes, masts, flagpoles, chimneys, flues and the like.

The building height limit for development in this portion of Manly is 8.5m. The proposed new works will see a maximum height of 6.2m (unchanged) which readily complies with this control.

**Clause 4.4** provides a maximum floor space ratio control of 0.6:1 for development in this locality. The proposed new works will see a FSR of 0.49:1 or 182.8m<sup>2</sup> which readily complies with this control.

**Clause 6.1** addresses the impact of works in relation to acid sulfate soils. The proposal will see some excavation of the site in order to provide for the new double garage, driveway and retaining walls. It is not anticipated that acid sulfate soils will be encountered.

**Clause 6.2** relates to earthworks. The proposal will see some excavation of the site in order to accommodate the new works. Appropriate erosion and sediment controls will be carried out to ensure minimal site disturbance. The works will be carried out under the guidance of a qualified Structural Engineer. The works will see excavation greater than 2m and therefore a Geotechnical report is required. A preliminary Geotechnical assessment has been prepared by Ascent Geotechnical Consulting, Ref No. AG19110, dated 9 July 2019 to detail the works.

The existing site conditions and proposed development are considered to constitute an 'ACCEPTABLE' risk to life and a 'LOW' risk to property provided recommendations outlined in the report are followed.

The proposal therefore satisfies the provisions of this clause.

**Clause 6.8** relates to landslide risk. The proposal will see some excavation of the site in order to accommodate the new works. A preliminary Geotechnical assessment has been prepared by Ascent Geotechnical Consulting, Ref No. AG19110, dated 9 July 2019 to detail the works. The works will be carried out under the guidance of a qualified Structural Engineer, and the proposal therefore satisfies the provisions of this clause.

There are no other clauses of the MLEP 2013 that are considered to be relevant to the proposed development. It is considered that the proposal achieves the requirements of the MLEP.

#### 6.5 Manly Development Control Plan 2013 – Amendment 11

Councils DCP Development Control Plan 2013 – Amendment 11 provides the primary control for development within the area.

The DA submission will address the Council's submission requirements outlined in Part 2 – Process.

The primary areas which are applicable to the proposed works are detailed within Part 3 – General Principles of Development & Part 4 – Development Controls and Development Types.

#### Clause 3.1.1 – Streetscape (Residential Areas)

The proposal provides for alterations and additions to an existing dwelling, including the construction of a new attached double garage, driveway and crossing, front fence and associated landscaping.

The intended outcomes are noted as:

- *i)* complement the predominant building form, distinct building character, building material and finishes and architectural style in the locality;
- *ii)* ensure the bulk and design of development does not detract from the scenic amenity of the area (see also paragraph 3.4 Amenity) when viewed from surrounding public and private land;
- iii) maintain building heights at a compatible scale with adjacent development particularly at the street frontage and building alignment, whilst also having regard to the LEP height standard and the controls of this plan concerning wall and roof height and the number of storeys;
- avoid elevated structures constructed on extended columns that dominate adjoining sites such as elevated open space terraces, pools, driveways and the like. See also paragraph 4.1.8 Development on Sloping Sites and paragraph 4.1.9 Swimming Pools, Spas and Water Features;
- v) address and compliment the built form and style any heritage property in the vicinity to preserve the integrity of the item and its setting. See also paragraph 3.2 Heritage Considerations;
- vi) visually improve existing streetscapes through innovative design solutions; and
- vii) Incorporate building materials and finishes complementing those dominant in the locality. The use of plantation and/or recycled timbers in construction and finishes is encouraged. See also paragraph 3.5.7 Building Construction and Design

The existing height and bulk of the dwelling remains unchanged. The proposal will see a front façade that is similar to that of neighbouring dwellings to the north and south and will therefore present a form that is complementary to existing development on Birkley Road.,

The proposed landscaping will soften the built form of the dwelling and enhance the streetscape appearance of the site. The proposal will visually improve the streetscape and will provide for additional safe off street parking.

#### Clause 3.1.1.3 – Roofs and Dormer Windows

The proposal seeks to maintain the existing roof form.

#### Clause 3.3 – Landscaping

No substantial indigenous planting is to be removed to accommodate the new works. The proposal will provide for additional planting within the front yard to soften the built form of the subject building and provide privacy and amenity for the subject and neighbouring properties. The proposed new garden beds will provide for a visually pleasing front façade when viewed from Birkley Road.

#### Clause 3.4 – Amenity (Views, Overshadowing, Overlooking/Privacy, Noise)

The objectives of the clause are noted as:

Objective 1)	To protect the amenity of existing and future residents and minimise the impact of new development, including alterations and additions, on privacy, views, solar access and general amenity of adjoining and nearby properties.	
Objective 2)	To maximise the provision of open space for recreational needs of the occupier and provide privacy and shade.	

It is suggested that the works will achieve these objectives as the proposal provides for the construction of alterations and additions to the existing dwelling including the construction of a new double garage, driveway and crossing, front fence and associated landscaping, which will not result in any impacts on the views, solar access, privacy or amenity currently received by neighbouring properties.

#### Clause 3.5 – Sustainability

The proposal has been designed to respect the water, thermal and energy standards required by BASIX. A BASIX certificate has been submitted with the development application.

#### Clause 3.7 – Stormwater Management

The existing stormwater arrangements remain unchanged.

#### Part 4 – Residential Development Controls

#### Site Area 366.7m<sup>2</sup> - Density Sub Zone D3 (250m<sup>2</sup> per lot)

# **Compliance Table**

Control	Required	Proposed	Compliance
<b>Clause 4.1.1</b> Residential Density & Subdivision	Density Area D3 – 1 dwelling per 250m²	Site area is 366.7m <sup>2</sup>	Yes – existing site and dimensions are unchanged
<b>Clause 4.1.2</b> Height of Buildings	Maximum height – 8.5m	Maximum height – <8.5m	Yes
	Wall height – 6.5m	N/A – wall height remains unchanged	N/A
	Max two storeys	Single storey dwelling maintained	Yes
	Roof height – 2.5m above wall height	N/A – existing roof form remains unchanged	N/A
<b>Clause 4.1.13</b> Floor Space Ratio (FSR)	0.6:1	0.49:1 (182.8m²)	Yes
<b>Clause 4.1.4</b> Setbacks (front, side and rear)	Relate to neighbouring sites or 6m	The new garage will present a nil setback to the front boundary, which is similar to many properties along Birkley Road and is therefore acceptable on merit.	Yes
Side Boundary setback – 1/3 of wall height		The garage will be generously setback from the southern side boundary, however will present a nil setback to the northern side	Yes

		boundary. Many garage structures along Birkley Street present a similar form and it is therefore acceptable on merit. The new garage will present a form that is complementary to the existing pattern within the Birkley Road streetscape.	
Clause 4.1.5 Open space and Landscaping	Area OS 3 Min 55%/35%	The proposal provides an open space area of 31% of the site, with 44% of the open space provided as deep soil landscaping.	Yes – on merit (refer to comments below)
		The proposed open space area will see an improvement on existing open space area by 1%. The site is limited by existing on site development and the sites small area making it difficult for designing future development that meets the control.	

			]
Clause 4.1.6 Parking	2 spaces	New double garage will provide on-site parking for 2 cars. The new driveway will provide for an improvement on vehicular access. The new separate pedestrian access will also see increased safety.	Yes
Clause 4.1.8 Development on Sloping Sites	Area G4 – Potential Hazards and Requirements Geotechnical assessment may be required depending on location and nature of development and man-made cut and fill. Residential footings are to be in accordance with AS2870. Potential hazards for this land include rock falls & minor slumping of soil and fill materials from top of unsupported cuts onto public and private pathways, roadways and building platforms. There is little to moderate typical consequences of failure involving damage of some or part of structures (for example, to a dwelling or roadway), with part of site requiring some stabilisation works.	The proposal will see excavation (>2) of the site in order to accommodate the new works. A preliminary geotechnical investigation has been prepared by Ascent Geotechnical Consulting, Ref No. AG 19110, dated 9 July 2019. The works will be carried out under the guidance of a qualified Structural Engineer, and the proposal therefore satisfies the provisions of this clause.	Yes

		1	1
	Large scale		
	stabilisation works are		
	unlikely to be required		
	in Area G4.		
Clause 4.4.5	To retain the existing	The proposal will	Yes
Earthworks	landscape character	see excavation (>2)	
	and limit change to	of the site in order	
	topography and	to accommodate	
	vegetation within the	the new works.	
	MLEP area by:	Appropriate erosion	
		and sediment	
	Limiting excavation	controls will be	
	'cut and fill' and other	carried out to	
	earthworks	ensure minimal site	
	carenvorks	disturbance. A	
	Discouraging the	preliminary	
	alteration of the	geotechnical	
	natural flow of ground	investigation has	
	and surface water	been prepared by	
	and surface water	Ascent	
	Ensuring that	Geotechnical	
	development not	Consulting, Ref No.	
	cause sedimentation	AG 19110, dated 9	
	to enter drainage lines	July 2019. The	
	and waterways	works will be	
	and water ways	carried out under	
	Limiting the height of		
	Limiting the height of	the guidance of a	
	retaining walls and	qualified Structural	
	encouraging the	Engineer. The	
	planting of native	proposal therefore satisfies the	
	plant species to limit		
	their impact	provisions of this	
		clause.	

#### **Open Space & Landscaping**

The DCP controls for the OS3 zone seek to maintain a minimum open space area of 55% of the site, with a minimum soft landscaped component of 35% of the total open space.

The proposal will seek to maintain  $115.78m^2$  or 31% of the site as open space area, with  $51.53m^2$  or 44% of the total open space area as soft landscaping.

The objectives of this clause are as follows:

- Objective 1) To retain and augment important landscape features and vegetation including remnant populations of native flora and fauna.
- Objective 2) To maximise soft landscaped areas and open space at ground level, encourage appropriate tree planting and the maintenance of existing vegetation and bushland.

Objective 3)	To maintain and enhance the amenity (including sunlight, privacy and views) of the site, the streetscape and the surrounding area.
<i>Objective 4)</i>	To maximise water infiltration on-site with porous landscaped areas and surfaces and minimise stormwater runoff.
Objective 5)	To minimise the spread of weeds and the degradation of private and public open space.
Objective 6)	To maximise wildlife habitat and the potential for wildlife corridors.

The proposal provides for the construction of minor alterations to the existing semi-detached dwelling and construction of a new driveway with associated landscaping. The proposal will see a 1% increase in the total level of open space area and will maintain a generous area of soft landscaped area.

The proposal will not require the removal of any significant vegetation on site, and new plantings are to be provided throughout the site to enhance the appearance of the site as viewed from Birkley Road. The proposal will require the removal of a small street tree for the construction of the new driveway. The removal of the street tree will not have any detrimental impact on the character of the locality and the new plantings on site will provide for increased amenity for the residents and surrounding properties.

The existing stormwater arrangements for the site will remain unchanged.

Notwithstanding the minor variation to the open space area, the proposal is considered to be in keeping with the desired outcomes of this clause and is therefore worthy of support on merit.

# 7.0 Matter for Consideration under Section 4.15 of the Environmental Planning and Assessment Act, 1979

#### 7.1 Any environmental planning instrument

The proposal is subject to the provisions of the Manly Local Environmental Plan 2013 and the relevant supporting Council policies. It is considered that the provisions of this environmental planning instrument have been satisfactorily addressed within this report and that the proposal achieves compliance with its provisions.

The site is not within the Foreshores and Waterways Boundary of Sydney Regional Environmental Plan (Sydney Harbour Catchment) 2005.

There are no other environmental planning instruments applying to the site.

#### 7.2 Any proposed instrument that is or has been the subject of public consultation under this Act and that has been notified to the consent authority (unless the Planning Secretary has notified the consent authority that the making of the proposed instrument has been deferred indefinitely or has not been approved), and

It is not considered that there are any draft environmental planning instruments applying to the site.

#### 7.3 Any development control plan

The development has been designed to comply with the requirements of Manly Development Control Plan 2013 – Amendment 11.

It is considered that the proposed design respects the aims and objectives of the DCP however we note that the Environmental Planning and Assessment Amendment Act 2012 No 93 (Amendment Act) which received assent on 21 November 2012 commenced on 1 March 2013.

Key amongst the amendments are requirements to interpret DCPs flexibly and to allow reasonable alternative solutions to achieve the objectives of DCP standards.

The new section 3.42 provides that the 'principal purpose' of DCPs is to 'provide guidance' on:-

- giving effect to the aims of any applicable environmental planning instrument
- facilitating permissible development
- achieving the objectives of the relevant land zones.

The key amendment is the insertion of section 4.15(3A) which:

- prevents the consent authority requiring more onerous standards than a DCP provides,
- requires the consent authority to be 'flexible' and allow 'reasonable alternative solutions' in applying DCP provisions with which a development application does not comply,
- limits the consent authority's consideration of the DCP to the development application (preventing consideration of previous or future applications of the DCP).

We request that Council applies considered flexibility where the application seeks variations to the numerical development controls in the DCP as justified in this report. In particular we

consider that the variation to the open space requirements and side setback is reasonable given the proposal seeks to increase the available area of open space and soft landscaping and will present a form that will provide for increased vehicular safety and provide for increased on-site parking.

It is considered that the proposed design respects the desired character objectives of the DCP in that it reinforces the existing residential character of the area and is compatible with the existing uses in the vicinity.

The development respects the streetscape character objectives of the DCP and will provide a cohesive and sympathetic addition to the site which will make a positive contribution to the area.

# 7.4 Any planning agreement that has been entered into under section 7,4, or any draft planning agreement that a developer has offered to enter into under section 7.4

No matters of relevance are raised in regard to the proposed development.

7.5 The regulations (to the extent that they prescribe matters for the purposes of this paragraph),

No matters of relevance are raised in regard to the proposed development.

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

It is considered that the proposal, which seeks approval for the construction of alterations and additions to an existing dwelling, including a new attached double garage, driveway and crossing, front fence and associated landscaping, is reasonable. The development will maintain a favourable bulk and scale relationship with other development in the vicinity. It is considered that the resultant development is compatible with and will complement the character of the area.

The proposal is considered to be well designed having regard to the relevant provisions of the Council's LEP and Council's Codes and Policies.

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

The subject land is currently zoned R1 General Residential under the Manly Local Environmental Plan 2013 and is considered suitable for the proposed development.

The subject site does not exhibit any significant constraint to the construction of the proposed new works.

#### 7.8 Submissions made in accordance with this Act or the regulations

This is a matter for Council in the consideration of this proposal.

#### 7.10 The public interest

The proposal will not unreasonably impact upon the environment, the character of the locality or upon the amenity of adjoining properties and is therefore considered to be within the public interest.

#### 8.0 Conclusion

The principal objective of this development is to support the design of the construction of alterations and additions to an existing dwelling, including a new attached double garage, driveway and crossing, front fence and associated landscaping, which satisfy the stated objectives of Council's Development Controls.

By maintaining our neighbour's amenity and by complementing the scale and form of other development in the immediate locality, the stated objectives have been satisfied.

As the proposed development will not have any significant impact on the environment, scenic quality of the area or the amenity of the adjoining allotments, the issue of Development Consent under the delegation of Council is requested.

VAUGHAN MILLIGAN Town Planner Grad. Dip. Urban & Regional Planning (UNE)