

28 April 2022

STATEMENT OF ENVIRONMENTAL EFFECTS
PROPOSED SWIMMING POOL AND ASSOCIATED WORKS
VALERIE AND GARETH JONES
No. 11 ANZAC AVENUE, COLLAROY 2097
LOT 1 DP 958356

Introduction

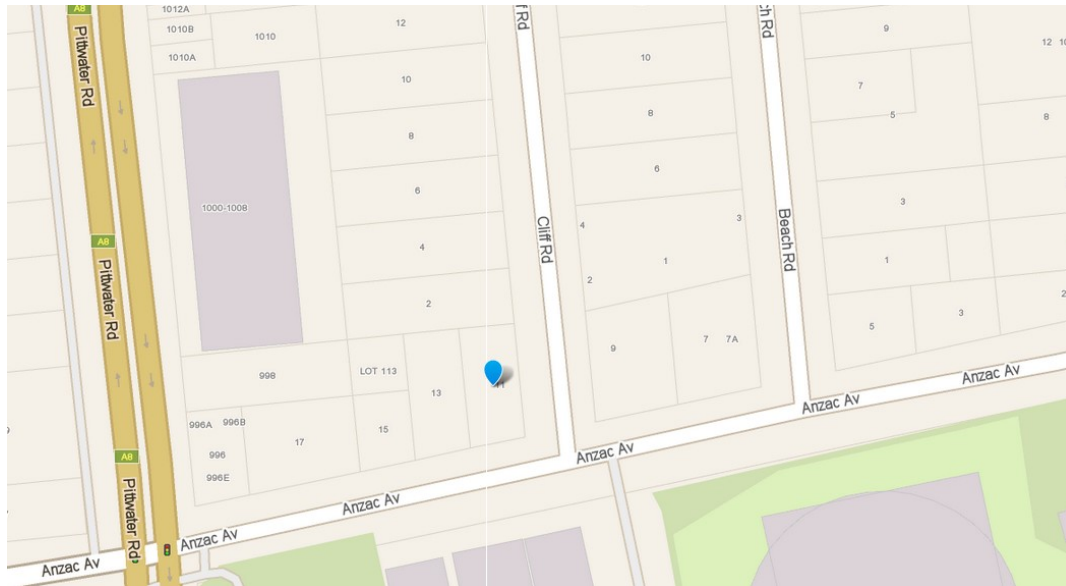
This statement of environmental effects is to accompany a development application for the construction of a new swimming pool and associated works for the residential property at 11 Anzac Avenue, Collaroy. This statement outlines the description of the proposed development, the design elements and their impact on the local environment, and details of compliance with local Council policies. In preparation of this development application consideration has been given to the following plans and Acts:

Warringah Local Environmental Plan 2011
Warringah Development Control Plan 2011
Environmental Planning & Assessment Act, 2000

Accompanying Documentation

Right Angle Design and Drafting P1	-site plan/site analysis
Right Angle Design and Drafting P2	-plan at rear yard
Right Angle Design and Drafting P3	-pool plan and sections
Right Angle Design and Drafting P4	-landscape/landscape calculation plan
Right Angle Design and Drafting P5	-sediment control plan
DA Surveyors	-AHD survey

This application has been designed and prepared to Northern Beaches Council specifications and design standards. All work is contained to the eastern side of the site with all proposed work at existing ground level. The proposed work will not be visible from Anzac Avenue or Cliff Road. In initial preliminary discussions with Council, it was recommended that a standard development application was sufficient for this application. Details regarding heights, site coverage, and neighbouring properties are all fully addressed.



map showing position of 11 Anzac Ave, Collaroy

SITE DESCRIPTION AND DETAILS

The site is located at 11 Anzac Avenue, Collaroy; lot number 1 in DP 958356. The total site is approximately 480.5 square metres and is rectangular in shape. The property is located on the north-western corner of Anzac Ave and Cliff Road with driveway access directly to Anzac Avenue. The site has a two-storey single family dwelling house located in the middle portion of the site. Due to the property being a corner block, the house runs along the shared western side boundary and has a wing extension almost to the rear boundary. The house has a patio with upper covered balcony running along the Cliff Road side of the residence. The rear yard is level with a large paved and decked area. There are decked pathways along the eastern side of the house and to the front. The majority of the front yard, with the exception of the driveway and a small area for an existing spa, is all grass. No easements are associated with this site. A Sydney Water sewer line runs parallel to the side boundary and the location and depth of the sewer have been assessed as part of this application. This proposal will not impede any existing work on site or affect any neighbouring properties. The front entrance to the residence is located on the southern side, with the living space, views, and general usage area of the residence to the east and north.

The side neighbouring properties are all similar in ground levels and aspect. The immediate neighbours are all single-family residences, many of them with swimming pools. Neighbouring properties to the east, are at a slightly lower elevation but it must be noted that there are reasonable setbacks, and all properties have views to the east out towards the ocean.

The present use of the site and the adjoining properties is residential. It is not known whether the site is on contaminated land or whether there has been any testing. The property is located in the R2 Low Density Residential zone, is not in an Acid Sulfate soil zone, and is not in the immediate vicinity of a heritage item or Conservation Area. There are no concerns with the Wildlife Corridor. The site does not fall within the Flood Risk Category zone and has not been identified as

requiring a flood risk assessment. There are no restrictions regarding Land Acquisition, Urban Release, or Floor Space Ratio. The property does not lie within a Bushfire Prone zone and is listed as being within Zone A geotech affected land. No bushfire report or Geotech report is required with this application. All work will be conducted in accordance with Council requirements and will satisfy the objectives of the WLEP 2011.

EXISTING STREETSCAPE

The street, Anzac Avenue, is a medium length residential street that accommodates both local traffic and traffic from the general area due to the large playing fields on the southern side of Anzac Ave. The northern side of the Avenue is almost solely residential houses of a similar nature, the majority of which are similar or larger in size to this residence. There is substantial work being carried out on the Avenue and surrounding streets, including new residences, pools in front and rear yards, and associated landscape works. The present use of the site and the adjoining properties is residential. It is not known whether the site is on contaminated land or whether there has been any testing. The property is not located in acid sulfate soil nor is it heritage or conservation listed. The possibility of traffic being affected by this proposal is minimal and only during construction. The proposal will not be widely viewed by the public; only the residents on adjoining properties will know that it is there, and for the majority, only during construction.

The property is located in the following zones:

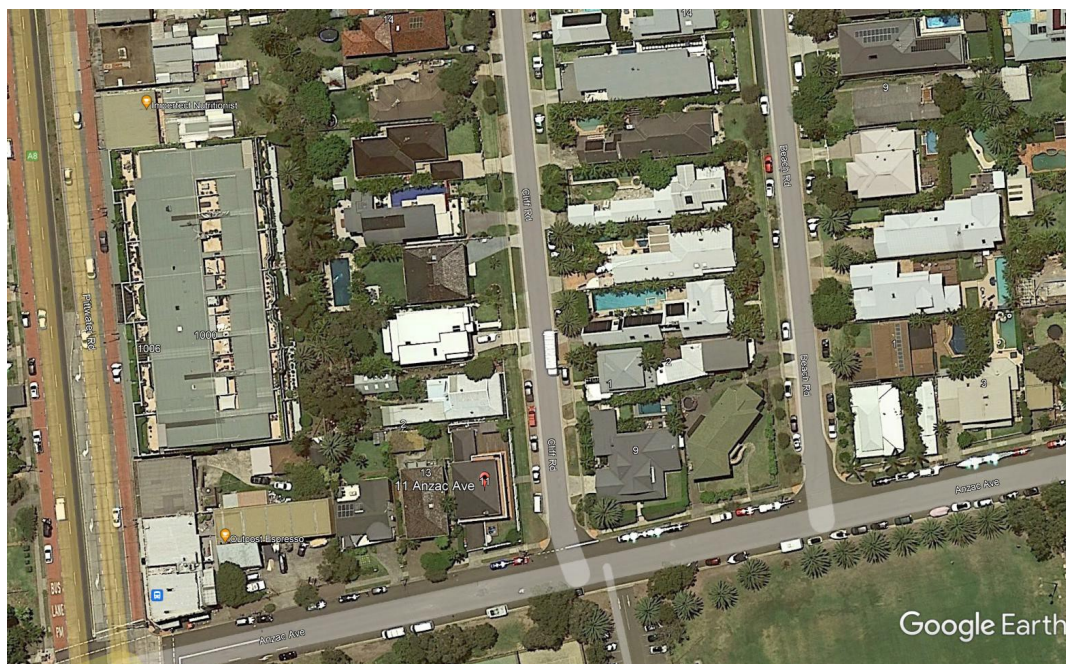
Residential zone R2 Low Residential of the LEP 2011

Landslip Risk Area A: this site does not require a Geotech report to accompany the submission

Bushfire Prone Land: No, the site is listed as not being affected by any bushfire zoning, there should be no concerns with the proposed works

Conservation Area: the property is not located within a conservation area and there are no heritage properties or items located in the vicinity

No work will occur within 5m of any substantial tree on this or neighbouring sites



Google earth showing location of 11 Anzac Ave

PROPOSAL

This development proposal seeks approval for the following:

- New rear yard swimming pool and associated works

There will be no change to the existing dwelling on site. All work will be located well away from the existing residence. The proposed pool, located at ground level due to the flat nature of the site, will be located 900mm from the side and rear boundaries. To limit any impact on neighbours to the rear, the existing cabana and BBQ structure will be removed as part of this application reducing visual impact on adjacent properties and increasing the garden areas on site. There will be minimum coping on the two boundary sides of the pool limiting usage only for access and safety.

The proposed pool will be located completely within ground. The location and height of the pool will ensure that there continues to be a functional outdoor space for the recreational use of the owners and their family outside of the pool area.

The swimming pool will be small in size; being a 6.0 x 3.0m concrete structure with limited paving and coping. The location of the pool is almost completely on existing hard surface paved areas on site. Paving and the existing cabana will be removed to accommodate the pool. No new paving or decking will be added with this application. A number of properties in the immediate area have pools and there are numerous precedents for pools of this size and located similarly on sites. There should be no change in views to and from the residence or the neighbouring residences.

Though the site is located in the Landslip Area A, there should be no impact on any geotechnical concerns of Council provided that all engineering recommendations are complied with. All recommendations will be followed during the construction phase.

The pool will be fully fenced and screened from the rest of the property. It should not be visible to passerbys. All residences located across the street are at such a distance and at a level so as not to be affected.

No additional hard surface has been added with this application outside of the pool structure.

The aim is to keep as much natural landscaping around the proposal as possible. The proposed garden and grassed areas will continue to permit rainwater to flow through and be absorbed by the soil below. Soft surface on site increases with this application. It should also be noted that there is an addition 14% of the site that is soft surface but does not qualify for Council's minimum landscaped area width. Due to the position of the house on site and the design of the property, there are large areas that are soft but not counted. This is impacted by the site having the house located centrally as well as the property being a corner block. The majority of accessway on site is timber decking, not paving, to permit rainwater to flow through to the ground below.

Existing stormwater from the house should not be affected and continue to function as constructed, it will be upgraded as necessary. All stormwater flows into excellent pipes that flow directly to the Avenue and Road. The proposal is not accompanied by a BASIX Certificate as the pool is well under 40,000L. The swimming pool may also be used by the Rural and Local Fire Service as a static water supply if there is ever the need. The location near the residence and to the side boundary should help with this, as water trucks will be able to supply from the pool quite easily. There are no trees that will be within the impact zone of the proposed works. No trees are to be removed with this application. The location on site has been chosen to ensure the site retains the maximum landscaped area possible. The proposal does not meet Council's requirements for soft surface, with approximately 26% of the site grass and garden. This is a slight increase from the existing ratio. Please see the accompanying landscape calculation table for defined landscape areas and percentages.

The structure is in keeping with the neighbourhood and the scale of this form is balanced by the existing vegetation. It is proposed to use quality materials to finish the area and to maintain the architectural style of the existing residence. The development meets the outcomes and objectives of the LEP and Residential DCP and the desired future character of the area.

ZONING CONTROLS

The following Council documentation is applicable to the property:

Warringah Local Environmental Plan 2011

Warringah Development Control Plan 2011

Environmental Planning and Assessment Act 1997

LEP PART 4 PRINCIPAL DEVELOPMENT STANDARDS

4.1 Minimum Subdivision of Lot size - Not applicable to this application

4.2 Rural Subdivision – Not applicable to this application.

4.3 Height of Buildings – as shown on the Height of Buildings Map = 8.5m high.
The 8.5m building height will be complied with for this application.

4.4 Floor Space Ratio & 4.5 Calculation of Floor Space Ratio and Site Area – Not adopted

4.6 Exceptions to the Development Standards – It is considered that the proposal meets the outlines and objectives of the LEP therefore no exception will be applied for, for this application.

WARRINGAH DCP

1.5-Objectives

- To ensure development responds to the characteristics of the site and the qualities of the surrounding neighbourhood
- To ensure new development is a good neighbour, creates a unified landscape, contributes to the street, reinforces the importance of pedestrian areas and creates an attractive design outcome
- To inspire design innovation for residential, commercial and industrial development
- To provide a high level of access to and within development.
- To protect environmentally sensitive areas from overdevelopment or visually intrusive development so that scenic qualities, as well as the biological and ecological values of those areas, are maintained
- To achieve environmentally, economically, and socially sustainable development for the community of Warringah

Part B Built Form Controls

B3 Side Boundary Envelope

The proposal is not visually dominant by virtue of height or bulk.

There will be adequate light, solar access, and privacy for neighbouring properties, as the work will provide proper spatial separation between buildings. The proposal is located in an area that will ensure that the development has been designed in response to the topography of the site. The location is positioned to ensure minimal upheaval on site. There are no exceptions to this section of the DCP.

B5 Side Boundary Setbacks

The proposal maintains the opportunity for deep soil landscape areas on site. The Council required setbacks to each side boundary will continue to be met ensuring planting and grassed areas can be maintained. The proposal will remain subtle, as all work will be well below the floor levels and the yard ground levels of the two adjacent neighbours. The eastern boundary will be maintained for the pool, screening, and planting to occur. No work should be visible from Anzac Avenue

or Cliff Road and there will be sufficient screening and planting to the side boundaries where required.

The proposal maintains the DCP setbacks. The side setbacks will be landscaped where necessary. New planting, including replacement trees can be added if the Council requires.

B7 Front Boundary Setbacks

The proposal has been designed to maintain the sense of openness that the Council requires. There will continue to be a visual continuity of pattern for all the buildings on the street. There will be no impact on view sharing and no neighbours will have a loss of light, airflow, or privacy. No work will be carried out within the front boundary setbacks.

The proposed pool location is deemed to be in the rear yard.

B9 Rear Boundary Setbacks

There will be no impact on this portion of the DCP as all work will be fully compliant with rear boundary setbacks. There is no change to privacy, visual continuity, or sight lines.

Part C Sitting Factors

C7 Excavation and Landfill

All work to be carried out on site will have no adverse impact on the visual and natural environment or the adjoining and adjacent properties. The existing eastern yard will be upgraded to help ensure the integrity of the physical environment. The visual and scenic quality of the site and the surrounds will remain with this application. The position, location, and height of the proposal have all been considered and determined to be the most appropriate location on site to minimise all impacts on the land and the neighbours. There will be no situation created that will create additional siltation or pollution of the local waterways or drainage lines.

The position and height of the pool have been chosen to limit excavation where possible and to ensure that the existing structures and surrounds can be incorporated into the pool design.

Part D Design

D1 Landscaped Open Space and Bushland Setting

The pool surface area is to be included in the landscape open space. All onsite impervious areas that are naturally occurring are also included in the open space calculations. The chart below fully details all landscape calculations, as does the chart on the accompanying plans.

There are no existing trees that will be impacted with this proposal. No new trees will be planted unless at Council's request. The excavation of the pool will be carried out in a thoughtful manner. The works are similar to a large number of adjacent residences. This proposal is in keeping with the area and previous builds.

D2 Private Open Space

The site complies with private open space requirements. There is a requirement for a minimum 60sqm on site. The site will have over 60sqm. The majority of this is on level land. If the Council will include the area around the swimming pool, this number increases. The proposed location has the best solar access on site. There will continue to be access to the private open space directly from the living areas of the residence. There are sight lines directly from the residential living areas. The primary open space will not be moved or affected.

D3 Noise

Once work is completed on site there are two types of noise to be noted with this proposal. There will be the regular swimming pool activity noise of splashing and children's voices. This noise is unavoidable with this proposal. The owners would like to assure Council that the noise should be in regular hours of the day and will not be any different than the numerous properties that are in the area that already have an existing pool. The second noise will be that of the pool filtration equipment and pumps. This equipment will be housed in a sound suppression enclosure, constructed to meet Council standards, located at the rear of the residence. This position has been chosen to limit impact on neighbours.

D6 Access to Sunlight

The proposed swimming pool location has been situated to maximise all light access for the site. The pool, located at ground level, on a flat site, will receive sun throughout the day, year-round. This will help ensure that the pool water remains warm and that there will be minimal to no heating required, providing a longer swimming season for the family. The pool level, being located below any neighbouring floor level, will not overshadow, or affect any of the neighbouring properties sight lines or solar access.

D7 Views

This proposal will have no effect on the sharing of views. The design and position of the pool is practical in its location and use of the site. The existing native plants on site will maintain their locations and will not be affected by the proposal.

D8 Privacy

It is important to note that there should be no loss of privacy to either the side or rear neighbour. The neighbours to the side and across the road are at a great distance. No neighbour should be affected.

D10 Building Colours and Materials

All colours and materials will be natural in nature and sympathetic to the local surrounding environment. They will blend into the natural streetscape and landscaping.

D13 Front Fences and Front Walls

Boundary fencing will be upgraded where necessary with this application. New pool fencing will also be installed on site. This will help ensure that the site has realistic and safe access.

D14 Site Facilities

The pool and surrounds will be of concrete and tile. There will be no structural elements that would prohibit building and none to encourage bushfire. The pool equipment will be hidden in a sound suppression enclosure, as per Council requirements, to minimise any impact on neighbours, both for sound and sight. The site should have no need to upgrade existing drainage. The property has good drainage as is, though if during construction it is revealed that work should be carried out, the owners will upgrade. The swimming pool will be directly connected to the sewer for backwashing purposes as per Council requirements.

D16 Swimming Pools and Spa Pools

Objectives

- To ensure swimming pools and spas are located to preserve the natural environment, streetscape and residential amenity.
- To encourage innovative design solutions to improve the urban environment.

The proposed pool area has taken these objectives into account. It is located at ground level, behind 1.8m high fencing, and in an area of total solar access. The pool may also be used as a static water supply by the local or Rural NSW Bushfire Service.

Requirements

1. Pools are not to be located in the front building setback.
2. Where there are 2 frontages, swimming pools and spas are not to be situated in the primary street frontage.
3. Swimming pools and spas are to be setback from any trees. Australian Standard AS4970-2009 Protection of trees on development sites is to be used to determine an appropriate setback.

The pool fully complies with these requirements. The pool is located to the east of the site, and it is setback from the boundary. The pool will be located below the existing access areas of this, and rear neighbouring residences and the structure will not be visible from the street. A minimum 900mm setback will be used to ensure adequate planting and screening are provided where required.

The pool has been intentionally sighted to ensure that it has adequate setback from all boundaries. The pool position and height have been chosen to ensure that the surrounding outdoor areas will provide excellent passive surveillance to the pool area increasing the ability to provide a safe and secure environment. This is a major concern of Council as outlined in section D20.

D20 Safety and Security

- To ensure that development maintains and enhances the security and safety of the community.
- The proposed swimming pool will not be visible from the street as it is located at ground level and behind the existing solid boundary fencing. There will be proper pool fencing and screen planting provided where necessary. The position of the pool will allow for excellent visibility from the residence and the remainder of the

yard outdoor area. Safety in the pool area is the number one concern for the owners. The pool will be a separate from the rest of the yard and from the house. Any windows that are required to be secured will be in accordance with AS 1926.1-2012 and the Swimming Pools Act 1992. The pool will be isolated from the rest of the property and there will be no access directly to the pool area from the yard or the residence.

E10 Landslip Risk

The property is identified as being located on flat, level ground, in Landslip area A and therefore the proposal does not require a Geotech report with this application.

E11 Flood Prone Land

The property is not affected by any of Council's flood zoning maps. The property is not flood affected.

WARRINGAH DEVELOPMENT CONTROL PLAN

Site information & Building controls	Required	Supplied	Compliance with Controls Y/N	Comments
PART B BUILT FORM CONTROL				
B1. Max ceiling height above natural Ground level	7.2m ceiling	N/A	Y	
Max building height	8.5m walls	0.1	Y	
B2. Number of Storeys		1	Y	
B3. Side Boundary Envelope	4m at 45deg		Y	All work is below the side boundary envelope
B4. Site Coverage	60% max	74%	N	The site reduces and improves its coverage ratio with this application
B5. Side Boundary Setbacks	0.9m	0.9m	Y	
B6. Merit Assessment of Side Boundary	-	-	N/A	
B7. Front Boundary Setbacks	6.5m	Existing	Y	Pool to be located in the rear setback, no proposed works in front yard
B8. Merit assessment of Front Setbacks	-	-	N/A	
B9. Rear Boundary Setbacks	6m	existing	Y	Fully compliant as pools may be in the rear setback
B10. Merit assessment of Rear Boundary Setbacks	-	-	N/A	

B11-Foreshore building Setbacks	-	-	N/A	
B12- National Park Setbacks.	-	-	N/A	
B13-Coastal Cliffs Setbacks	-	-	N/A	
B14-Main Road Setback	-	-	N/A	
B15-Min Floor to ceiling height	-	-	N/A	
PART C SITING FACTORS				
C1-Subdivision	-	-	N/A	
C2-Traffic, Access, and Safety			Y	Vehicle access is off the main street.
C3-Parking Facilities		2	Y	Existing parking to remain
C4-Stormwater			Y	Stormwater to remain to residence as existing. The new pool will be designed to better accommodate the rainwater.
C5-Erosion & Sediment			Y	Refer sediment control plan
C6-Building over Council drainage easement			N/A	No easements within 2m of any proposed works
C7-Excavation and landfill			Y	
C8-Demolition & construction				A waste management plan will be carried out during the construction certificate.
C9-Waste Management				A waste management plan will be carried out during the construction certificate.
D1-Landscaped Open Space and Bushland Setting	40%	12%	N	This proposal increases the landscaping on site. There is a large portion of landscaped area, over 14%, that is not included due to its width
D2-Private Open Space	60 sq m	60sq m	Y	
D3-Noise			N/A	
D8- Privacy			Y	
D12-Glare and reflection			Y	Pool structure and screening to be muted to ensure no reflection
D16-Swimming Pools and Spa Pools			Y	Proposal is fully compliant with the Acts
D22-Conservation of energy and water			Y	The development will comply with all conservation requirements of BASIX
PART E-THE NATURAL ENVIRONMENT				
E1-Tree management			Y	No trees to be removed

E2-Prescribed Vegetation			Y	Minimal site disturbance and additional planting is proposed
E6-Retaining Unique Environmental features			Y	There are no natural features on the property or nearby.
E10-Landslip Risk			Y	Zone A, no report supplied

PRIVACY AND NOISE

The proposal has been designed to increase the usability of the site for the owners. The design has also considered the position of the house and property in relation to the neighbours and has been designed to try to maximise the privacy and views of the existing residences. Once construction is completed, there should be no further impact on privacy or noise to the adjoining properties.

SITE MANAGEMENT

There should be approximately 25 cubic metres of excavation required with this proposal. All material will be removed from site. A sediment control fence will be in place to contain any runoff during construction.

BUILDERS INTEGRITY

A specialist, licensed builder will be constructing the swimming pool and surrounds. During the construction process utmost care and consideration will be taken to ensure the privacy and lifestyle of the neighbouring residences is uninterrupted.

OWNERS STATEMENT

The family living in this residence are owner occupiers. The house is the family home, and the owners wish to make the property as inclusive as possible. The site should have all the amenities that other properties in Warringah are afforded. The family enjoy outdoor living and an active lifestyle. The proposal should help encourage both. The swimming pool is not only a recreation area for the children, but a tool to help ensure that the family has the ability to swim as there are skills necessary in an Australian's life that the owners want to provide. The proximity to the coast for all Australians requires everyone to feel confident and secure in a water environment. The pool will provide this for the family as well as for friends and neighbours. The ability to have it at their own residence is a big plus as they can be assured of proper supervision. The belief is that with an excellent design, proper landscaping, and the utilization of a portion of the site that is underused, this proposal can help improve the neighbourhood design and streetscape.

Author: Robyn Good Draftsperson, Hort CIII, Assoc Dip Structural Engineering, NZCDrafting (Architectural)