



**BLUE MOUNTAINS**  
**Geological and**  
**Environmental**  
**Services Pty. Ltd.**

ACN 069 994 056

20 Fifth Avenue, Katoomba 2780

**Phone (02) 4782 5981**

Fax (02) 4782 5074

1<sup>st</sup> April 2020

Mr. M. & Mrs. H. Conn  
70 Lane Cove Road  
INGLESIDE NSW 2101

**RE: PROPOSED SWIMMING POOL AT LOT 16 DP 30325, No. 70 LANE COVE  
ROAD, INGLESIDE – NORTHERN BEACHES COUNCIL DA2020/0241**

Dear Mr. & Mrs. Conn,

Further to my recent discussions with your Architect, Mr. Edward Seeto, I am pleased to provide this submission in relation to the proposed swimming pool on your property at the above address in Ingleside.

I am replying to an email I received from Mr. Seeto dated 30/3/20 that was sent to him by Mr. Tom Prosser of Northern Beaches Council regarding the Development Application. In particular, my assistance is sought with regards to the point raised about the proposed swimming pool and filter backwash water only. Note that I received a phone call from Mr. Tim O'Keeffe of Northern Beaches Council regarding this matter prior to the email that was prepared by Mr. Prosser on 30/3/20.

When I spoke with Mr. O'Keeffe, I explained that a report for on-site effluent management in regards to wastewater generated in a dwelling is a stand-alone thing and is a totally different matter to how to deal with pool backwash water which was understandably not raised with me during our liaison or part of my brief of work.

The letter of Mr. Prosser states that *'pool backwash (grey water) is not considered. Information much be provided about where the pool backwash will be discharged – normally into a trench system – prior to Environmental Health recommending approval'*. It is important to acknowledge that the grey water referred to from a pool is not the same in the sense of that generated from dwellings – i.e. all waste generated in a dwelling with the exception of toilet and kitchen waste as defined by the NSW Health Department. Furthermore, based on past advice from suppliers and installers of aerated wastewater treatment systems as proposed on your property when the dwelling is renovated and

extended, pool backwash water cannot be applied to them (hence separate management issues).

As discussed with Mr. Seeto and detailed below, there are some options for the discharge of what are quite minor volumes of pool backwash water on an annual basis that are available and can be implemented at your property:

1. Application to an absorption trench.
2. Application to an area of grass lawn.
3. Application to a garden bed.
4. Application to the existing pond.

With the location of the proposed swimming pool, it is not anticipated that any measures above will adversely impact upon the operation of the proposed surface spray irrigation area at 350m<sup>2</sup>. On the small acreage property, there are also ample areas of lawn and garden beds available for pool backwash water if required.

Further to outlining options for the management of backwash waters, it is understood that there are certain pool filter systems that don't require backwashing, and if that is the case, such an arrangement could also be considered at the subject site.

Do not hesitate to contact me if I can be of further assistance.

Yours faithfully,

GRANT AUSTIN

Engineering Geologist

Member Australian Institute of Geoscientists

Affiliate Institution of Engineers Australia