

Macarthur Projects
c/- ACOR Consultants
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EXPECTED SEEPAGE INFLOWS
PROPOSED CONSTRUCTION DEWATERING
1105-1107 BARRENJOEY ROAD, PALM BEACH, NSW

We understand that it is proposed to construct a single level basement at the above site with a finished floor level (FFL) of RL 0.5m. JK Geotechnics carried out a geotechnical investigation at the site, the results of which were presented in report number 33500Srpt dated 1 December 2020. In the report it is noted that groundwater levels were at RL0.6m to RL0.7m. Excavation will be required to about RL0m to allow construction of a hydrostatic slab during which period dewatering will be necessary. We are advised that the excavation will be supported by a secant pile wall which will be founded in the bedrock to form a cut-off to the groundwater.

On the basis of the above we expect that inflows during the construction period (which we are advised may be as little as 3 months) are likely to be less than 3 Ml/year. We note that this is opinion based on good quality construction and experience in similar situations.

The subsurface conditions between the completed boreholes may be found to be different (or may be interpreted to be different) from those expected. Variation can also occur with groundwater conditions, especially after climatic changes.

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Should you require any further information regarding the above, please do not hesitate to contact the undersigned.





Yours faithfully
For and on behalf of
JK GEOTECHNICS

Paul Stubbs
Principal | Geotechnical Engineer

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