

**ATTACHMENT B**

**NSW OFFICE OF WATER  
GENERAL TERMS OF APPROVAL  
301-303 BOTANY ROAD, ZETLAND**



Sue McMahon  
Area Planning Manager  
City of Sydney Council  
GPO Box 1591  
Sydney NSW 2001

Contact Greg Russell  
Phone (02) 8838 7804  
Mobile  
Fax (02) 8838 7852  
Email greg.russell@water.nsw.gov.au

Our ref 10ERM2012/0577  
Your ref D/2012/1056

Dear Sue

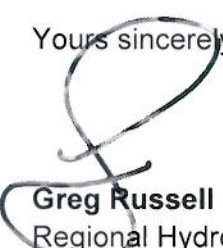
**Integrated Development referral under s.91 of the *Environmental Planning and Assessment Act 1979* for 301-303 Botany Road, Zetland**

Thank you for your referral concerning D/2012/1056, requesting the requirements of NSW Office of Water with respect to the dewatering of the site for the purposes of construction.

The construction dewatering proposed for the project is deemed to be an aquifer interference activity in accordance with the definition in the *Water Management Act 2000*. It is expected that the excavation and construction at the property will be conducted in accordance with the principles of the *Aquifer Interference Policy* (available on-line at <http://www.water.nsw.gov.au/Water-management/Law-and-policy/Key-policies/Aquifer-interference>).

An authorisation for the take of groundwater as part of the proposed dewatering of the site is required. As such, General Terms of Approval appropriate to the proposed aquifer interference activity are provided as required by s.91A (2) of the *Environmental Planning and Assessment Act 1979*.

Yours sincerely



**Greg Russell**  
Regional Hydrogeologist  
14 November 2012



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## GENERAL TERMS OF APPROVAL FOR CONSTRUCTION DEWATERING

**These terms do not represent any form of authorisation  
for the extraction of groundwater**

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### General

1. An authorisation shall be obtained for the take of groundwater as part of the activity. Groundwater shall not be pumped or extracted for any purpose other than temporary construction dewatering at the site identified in the development application. The authorisation shall be subject to a currency period of 12 months from the date of issue and will be limited to the volume of groundwater take identified.
2. The design and construction of the structure shall preclude the need for permanent dewatering by waterproofing those areas that may be impacted by any water table (i.e. a fully tanked structure) with adequate provision for unforeseen fluctuations of water table levels to prevent potential future inundation.
3. Construction methods and material used in and for construction shall not cause pollution of the groundwater.

### Prior to excavation

4. Measurements of groundwater levels beneath the site from a minimum of three monitoring bores shall be taken and a report provided to the NSW Office of Water. A schedule and indicative plans of the proposed ongoing water level monitoring from the date of consent until at least two months after the cessation of pumping shall be included in the report.
5. A reasonable estimate of the total volume of groundwater to be extracted shall be calculated and a report provided to the NSW Office of Water. Details of the calculation method shall be included in the report.
6. A copy of a valid development consent for the project shall be provided to the NSW Office of Water.
7. Groundwater quality testing shall be conducted and a report supplied to the NSW Office of Water. Samples must be taken prior to the commencement of pumping, and a schedule of the ongoing testing throughout the dewatering activity shall be included in the report. Collection and testing and interpretation of results must be done by suitably qualified persons and NATA certified laboratory identifying the presence of any contaminants and comparison of the data against accepted water quality objectives or criteria.
8. The method of disposal of pumped water shall be nominated (i.e. street drainage to the stormwater system or discharge to sewer) and a copy of the written permission from the relevant controlling authority shall be provided to the NSW Office of Water. The disposal of any contaminated pumped groundwater (tailwater) must comply with the provisions of the *Protection of the Environment Operations Act 1997* and any requirements of the relevant controlling authority.

# ATTACHMENT B

9. Contaminated groundwater shall not be reinjected into any aquifer. The reinjection system design and treatment methods to remove contaminants shall be nominated and a report provided to the NSW Office of Water. The quality of any pumped water (tailwater) that is to be reinjected must be compatible with, or improve the intrinsic or ambient groundwater in the vicinity of the reinjection site.

## During excavation

10. Piping or other structures used in the management of pumped groundwater (tailwater) shall not create a flooding hazard. Control of pumped groundwater (tailwater) is to be maintained at all times during dewatering to prevent unregulated off-site discharge.
11. Measurement and monitoring arrangements to the satisfaction of the NSW Office of Water are to be implemented. Monthly records of the volumes of all groundwater pumped and the quality of any water discharged are to be kept and a report provided to the NSW Office of Water after dewatering has ceased. Daily records of groundwater levels are to be kept and a report provided to the NSW Office of Water after dewatering has ceased.
12. Pumped groundwater (tailwater) shall not be allowed to discharge off-site (e.g. adjoining roads, stormwater system, sewerage system, etc) without the controlling authorities approval and/or owners consent. The pH of discharge water shall be managed to be between 6.5 and 8.5. The requirements of any other approval for the discharge of pumped groundwater (tailwater) shall be complied with.
13. Dewatering shall be undertaken in accordance with groundwater-related management plans applicable to the excavation site. The requirements of any management plan (such as acid sulphate soils management plan or remediation action plan) shall not be compromised by the dewatering activity.
14. The location and construction of groundwater extraction works that are abandoned are to be recorded and a report provided to the NSW Office of Water after dewatering has ceased. The method of abandonment is to be identified in the documentation.
15. Access to groundwater management works used in the activity is to be provided to permit inspection when required by the NSW Office of Water under appropriate safety precautions.

## Following excavation

16. All monitoring records must be provided to the NSW Office of Water after the required monitoring period has ended together with a detailed interpreted hydrogeological report identifying all actual resource and third party impacts.

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END OF GENERAL TERMS OF APPROVAL FOR CONSTRUCTION DEWATERING

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