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NL120128

23rd of August, 2012

Healthe Care Pty Ltd
Mr. Mark Sweeney
PO Box 1114
MASCOT NSW 1460

Dear Mark,

Re: Hurstville Private Hospital – DA Report
Civil Engineering

The following is an overview of the Civil Engineering Design for the Hurstville Private Hospital Redevelopment.

The proposed redevelopment consists of alterations to the existing hospital which include the refurbishment to parts of the existing hospital, the addition of three (3) new floors over parts of the existing hospital and the construction of a new five (5) storey building adjacent to the existing buildings on the corner of Pearl & Millett Streets.

Following consultation with Hurstville City Council Drainage Engineer, on site stormwater detention will be required for all new roof area associated with the redevelopment. Calculations indicate the development will need to provide 72,500 L of detention. It is proposed that an underground detention tank is implemented to achieve the requirements set by Hurstville City Council.

The philosophy of stormwater management on site can be summarised as follows:

- Runoff from the majority of new roof area will be collected and diverted via downpipes to an underground detention tank, located on the lower basement level of the site underneath the access ramp from Millet Street. The downpipes will be connected to the soffit of the upper basement slab to discharge into the detention tank.
- The detention tank will discharge the captured roof runoff to the existing connection to the council system, located in the road reserve of Millet Street.
- Runoff from the new lower basement pavement will be conveyed to the existing pump out pit infrastructure.

Shoring will be required for the excavations in the vicinity of the detention tank as there will be insufficient room available for temporary batters.

Reinstatement of the existing paver footpath, adjacent to Millet Street, will be required in the vicinity of the outlet for the detention tank. Refer to Civil Engineering Drawing C03[A] for the location extent of footpath to be replaced.

If you have any questions or should you require anything further, please do not hesitate to contact the undersigned.

Yours sincerely

Ben Clark
Principal
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