

17 January 2011

**McLACHLAN LISTER PTY LTD**  
Level 1, 1 Hickson Road,  
**THE ROCKS NSW 2000**

**ATTN: MARY CASEY**

Dear Mary,

**RE: SIR MOSES MONTEFIORE JEWISH HOME RANDWICK  
REVISED STAGE 2 ARCHITECTURE  
AMENDED STORMWATER REPORT**

Changes to the architecture for buildings E and F in the previous submission to form a single building labelled E as Stage 2 of the present submission for the proposed upgrade to the Montefiore Nursing Home will necessitate a revision to the detention facilities shown on the Stormwater Concept Plan to accommodate the changes.

We have been asked to investigate and report on the effect of the new Stage 2 architectural and planning adjustments of the works and prepare a revised Stormwater Concept Plan to accommodate the proposal and conform with Randwick City Council and DoP requirements relating thereto.

The changes would involve combining the proposed detention facilities for the original Stages 2 and 3 into a single Stage 2 solution. We anticipate this may be able to comprise a single detention tank in the level 2 undercroft area under the level 2 car park of the new Building E with the single building allowing the opportunity to offset downpipes within the building at higher level from the single roof.

The single detention tank located at a higher elevation would offer an improved design with the detention storage well clear of the water table and with little restriction on volume. The hydraulics of the basin would also be improved as they would be independent of the open basin at the site outlet.

This would, however, require a thorough investigation and detailed modelling to ensure the multiple basins in the site act together to provide the restricted outflow and 50% additional storage volume required by Council as part of the original development conditions.

That investigation and modelling has commenced and we are confident that a satisfactory and conforming outcome will result. We undertake to complete that investigation and modelling and are available to prepare and certify detailed detention designs prior to issue of the CC for Building E.

We trust this is satisfactory.

Yours Faithfully,

**EMERSON ASSOCIATES PTY. LIMITED**



**JOHN EMERSON** BE MEngSc MIEAust CPEng NPER  
DIRECTOR