

**DAVID NOVAK AND ASSOCIATES Pty Ltd**  
CONSULTING STRUCTURAL AND CIVIL ENGINEERS  
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May 15, 2014

Our Reference: 14-006-1/DN/dn

Icon Walls Pty Ltd  
Factory 2, 64 Bennett St  
DANDENONG VICTORIA 3175

Attention: The Manager

Dear Sir,

Regarding: Standard Icon Walls Pre-cast Sleeper Retaining Wall Designs

This letter relates to our structural design documentation for the pre-cast concrete sleeper retaining walls to be used with structural steel posts embedded into concrete bored pier footings as detailed on our structural drawing sheets S01, S02 and S03 job number 14-006 dated January 15, 2014, and the structural computations sheets 1 to 28 with the same date and job number.

These designs have been prepared in accordance with the relevant Australian Standards including; AS 1170.0-2002 Load Combinations, AS 1170.1-2002, Dead and Live Loads, AS 3600-2009 Concrete Structures, AS 4100-1998 Steel Structures and AS 4678-2002 Earth-retaining Structures.

The walls have been designed for an assumed set of design parameters including the soil properties and maximum allowable live load surcharges as noted on drawing sheet S02 and these must be confirmed for each individual project prior to adopting the proposed designs. We highly recommend that a geotechnical investigation be carried out prior to the adoption of any design to ensure it is appropriate for the subject site.

These retaining walls have been designed on the basis that a drainage layer and agricultural drain are provided behind the wall preventing hydrostatic pressure from building up and the satisfactory performance of the wall depends on this.

Engineering certification will be required on a site specific basis for each wall to ensure the above structural requirements are met. Please note that most retaining wall structures require building permits prior to construction and it is up to the client to confirm with the relevant authorities the requirements or otherwise of permits

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Should you require any further information regarding the above or any advice relating to future installations, please do not hesitate to contact me on (03) 9885 2252.

Yours faithfully,



David Novak  
BEng MIEAust CPEng  
**David Novak and Associates Pty Ltd**