

14 April 2019

Devan Plastics  
125 Birch Avenue,  
Judea  
Tauranga 3110  
New Zealand

RE: Review of the design of the Devan Stormvault

To whom it may concern

Sigma Consultants Ltd was asked to prepare documentation for the above product to allow installation in typical conditions countrywide.

Sigma prepared typical plans, and provided structural details for the construction of concrete driveways and access-ways above the tank.

The design of the tank was undertaken in the first part by Devan Plastics Ltd.

This design was modelled by Matrix Applied Computing Ltd, using finite element modelling techniques.

Sigma was provided with the CAD models, and the modelling report by Matrix Applied Computing Ltd, as well as the shells used in the FEM model (from Matrix Applied Computing Ltd).

Sigma reviewed the FEM report, and produced comparison FEM models of select elements using a different software. The FEM calculations produced comparable results.

On the basis of the above reviews, Sigma provided a PS2 design review for the above design.

Kind Regards



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