



On-site Stormwater Detention - A Standardised Approach?

Stephen D'Agata¹

¹*City of Boroondara, Camberwell, Australia*

On-site stormwater detention (OSD) has been employed by many councils as a means of restricting the runoff from new development. However, each council appears to have differing means of executing this requirement.

This causes a lot of confusion and frustration for engineers engaged by developers to address drainage requirements leading to design inefficiencies and project delays due to re-work.

Therefore, there will be many benefits to having a standardised approach to on-site detention throughout greater Melbourne, Victoria, Australia and the World!

In this presentation I will be describing how on-site detention applications are dealt with at the City of Boroondara and promote why I think that this approach could be adopted as a standardised approach. I am conscious that representatives from other councils will be present who would equally consider theirs to be the best approach and am hoping that this will lead to a healthy debate. (Perhaps this is a workshop opportunity rather than a straight presentation).

The presentation will look at the fundamental formulas used and the merits of reducing the number of parameters considered in order to simplify computations. The practical considerations associated with control pit design will be examined and I will also be discussing why stormwater detention needs to be considered as additional to stormwater retention for re-use purposes and not as an alternative.