

**The applicant should consult with the drainage section of the council prior to submitting a response on this issue.**

Consultation by phone on this point took place on Tuesday 29<sup>th</sup> November between Mr. Aidan O'Donoghue, JA Gorman Consulting Engineers, and Mr. Brian Harkin, Drainage Section South Dublin County Council.

As illustrated on drawing number P3644-C008 Rev.1, the proposed attenuation storage tank has been increased in capacity to 44.3m<sup>3</sup>. Further storage of 8.7m<sup>3</sup> is provided by the infiltration blanket. Combined, this provides a total of 53m<sup>3</sup> storage onsite.

Full details of the attenuation tank and infiltration blanket volumes and calculations are provided in the 'AG Rathcoole SW Drainage Design Clarification Report December 2022' which accompanies this submission.

In summary:

- Overall red line site area = 2.7 hectares = 2,700m<sup>2</sup>
- Effective SW Contributing area = 1,259.10m<sup>2</sup> – refer to section 2.4 of report. Areas are illustrated on drawing number P3644-C010 Rev. 1.
- Climate change allowance = +20%
- Storage Volume Required to contain the 1:100-year storm event onsite without flooding = 53.30m<sup>3</sup>
- Storage Volume provided by infiltration blanket along eastern boundary = 8.7m<sup>3</sup>
- Storage volume provided by underground attenuation tank = 44.3m<sup>3</sup>

It is now proposed to construct all hardstanding areas, with the exception of the circulation roadways, and all footpaths using permeable paving to increase the surface water attenuation provided by SuDS. An infiltration blanket is proposed along the eastern boundary of the site (in place of car parking bays) to further increase the SuDS elements at the development. Details of same are provided in the 'AG Rathcoole SW Drainage Design

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