

Planning Department,  
South Dublin County Council  
County Hall  
Tallaght  
Dublin 24  
D24 YNN5

18<sup>th</sup> Jan 2023

Our Ref: D1658

**RE: Planning Compliance re-submission for Condition 6 of Planning Applications  
Reg. Ref. SD21A/0200**

**Applicant: Jordanstown Properties Limited**

Dear Sir/Madam,

Please find attached our response for Condition 6. for the above referenced planning application for Site C, College Lane, Greenogue Business Park, Rathcoole, Co. Dublin.

The condition is addressed as follows:

**Condition No. 6**

(i) Please refer to enclosed SuDS details drawing ref. *D1658 D10 SuDS & Drainage Details Rev CL1* as part of this compliance submission.

(ii) Entire hardstanding areas in the proposed carparking area and access road will be covered with permeable surfacing (permeable paving, grasscrete/sudsgrid or open texture macadam). Due to the variable permeability of these surfacing and/or the loss of performance over time due to siltation or blockage it is expected that there will be some rainfall events exceeding the permeability capacity of these surfacing areas. Therefore, the ground levels were set out in a way that any exceedance runoff from these areas will be directed to the proposed swales running along the western boundary of the site. The swales will allow for infiltration of the excess runoff from the hardstanding areas and will reduce the volume of storm water directed to the attenuation tank.

(iii) Filter strip will be implemented as per landscaping drawing.

(iv) The excess runoff from the permeable hardstanding areas will flow over the surface of the permeable surfacing and over the lowered (flush) kerb towards the swales positioned at lower level than contributing areas. Blue arrows on the attached drainage drawing are showing the direction of exceedance flow directed to swales.

(v) During the design of the attenuation storage and storm water network a computer simulation software was used to determine the required pipe diameters and storage volumes. A conservative approach was taken during the design of these elements and no volume reduction from permeable paving was made to account for any maintenance shortcomings or possible loss of performance over time. Similarly, the attenuation storage volume of the proposed swales and irrigation tree pits will be relatively small because of the outfalls/underdrain installed to protect the plants from dying. While the above SUDS features will contribute to small storm interception and pollution removal their impact on the critical storm storage volume will not be significant.

Please find enclosed with this letter:

- Drawing ref. D1658 D3 Drainage and Watermain Layout Rev CL1
- Drawing ref. D1658 D10 SuDS & Drainage Details Rev CL1

Should you require any further information in relation to this submission please contact us.

Yours sincerely,



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**Patrick Kavanagh**  
**BSc.(Eng.) Dip.Cert.(Eng) C.Eng. M.I.E.I.**