

South Dublin County Council
County Hall
Tallaght,
Dublin 24,
D24 A3XC

**Re: Proposed Extension to Lucan Shopping Centre, Newcastle Road, Lucan,
Co. Dublin**

Ref: 19/097

7th January 2022

Dear Sir/Madam.

Further to Notification of Request For Further Information of 17th August 2021 of planning reference **SD21A/0161** please find below items requested and our reply:

5. 2. Green Infrastructure

Pursuant to Green Infrastructure Policy G5 -Sustainable Urban Drainage Systems and Objective G5 1 and G5 2 in the Couth Dublin County Council Development Plan and Chapter 7 – Infrastructure and Environmental Planning, the applicant is requested to revisit the design and layout of the proposed development and to submit revised plans and particulars to include the following:

a) Demonstrate how natural SUDS features such as filter drains, swales, SuDS tree pits, permeable paving, channel rills, bioretention, rain gardens can be incorporated into the design of the proposed development."

The proposed development is located on the existing surface carpark over the existing basement carpark. The surface car park level is above the surrounding boundaries to the east and north of the development with grass slopes down to the boundaries. This elevation limits the use of ground infiltration such as filter drains, soakaways, swales, due to danger of seepage into adjoining properties. Additional seating area and planting are to be introduced to the front of the development to replace car spaces.

Discussion with Local Authority engineer agreed the most appropriate SUDS option was to incorporate as much green roof to effectively replace the existing surface car park along with attenuated flow from the roof of the new development prior to discharge to the existing public system.

b) Provide details of the proposed green roof.

Extract from drawing C01 showing green roof buildup detail attached in A3 drawing C03.

Engineering Design • Safety • Project Management • Commercial • Industrial • Residential • Domestic

Director: J.A. O'Neill BSc(Eng), Dip Eng, PDipProjMan, CEng, MIEI, MStructE, FConsEI; McKenna Pearce Ltd Reg. No. 414260
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6. Roads

5. The applicant shall submit a revised layout showing the service road to the rear of the proposed site road construction details are in accordance with Appendix 6 of the SDCC Taking in Charge standard as Recommended for road construction.

Layout of proposed service road and loading bay as per attached A3 drawing C04 with road construction detail meeting Taking in Charge standard.

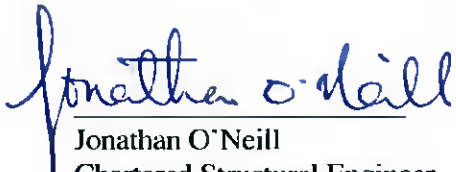
7. Water and Foul;

The applicant is required to engage with Irish Water through the submission of a Pre-Connection Enquiry (PCE) in order to determine the feasibility of connection to the public water infrastructure. The Confirmation of Feasibility (COF) must be submitted to the planning department as the response to this further information request. Pre-connection enquiries can be made at <https://www.water.ie/connections/get-connected/>.

PCE made to Irish Water, acknowledgement attached

Should you have any queries relating to any of the above, please do hesitate to contact us.

Yours sincerely,



Jonathan O'Neill
Chartered Structural Engineer
The McKenna Pearce Practice

Encls

- A3 Drawing 17097 C03
- A3 Drawing 17097 C04
- IW acknowledgement