

20047

PROPOSED DEVELOPMENT AT CLONBRONE, LUCAN

Civil Engineer's Response to Request for Additional Information

Ref: SD22A/0390

Prepared For:
South Dublin County Council

Revision Register

Revision	Description	Prepared By	Checked By	Date
0	Issued to SDCC	IC	LK	20.04.23

1.0 Introduction

There follows a response to the civil engineering aspects of the request for Additional Information requested by South Dublin County Council. This refers to Planning Register Reference SD22A/0390.

1. (iii) Re-design the proposed vehicular access junction layout, having regard to the proposed Grand Canal to Lucan Urban Greenway scheme. In re-designing the proposed vehicular access, the Applicant should liaise with the Roads Department of South Dublin County Council.

Downes Associates Response

Downes Associates has liaised with Mr. John McGee of Roads Department of South Dublin County Council. The attached drawings 5006, 5007 and 5009 indicate proposed details.

2. (i) The Applicant shall submit a revised layout of not less than 1:200 scale, showing:

- The proposed access junction layout in relation to the proposed Grand Canal to Lucan Urban Greenway scheme.

Downes Associates Response

The attached drawing 5009 indicates the proposed access junction in the context of the future planned Greenway as requested. This was discussed in principle with Mr. John McGee of Roads Department of South Dublin County Council.

- The speed limit sign relocated away from the access point so as not to create a traffic hazard.

Downes Associates Response

This is included on the attached revised drawings 5007

- The removal/relocation of the telecom utility box and pole away from the access to a suitable location.

Downes Associates Response

This is included on the attached revised drawings 5001 and 5006.

2 (ii) The Applicant shall submit a revised Road Safety Audit which takes account of the revisions to the proposed Site Layout.

Downes Associates Response

It was agreed with Mr. John McGee of Roads Department of South Dublin County Council that a revised Road Safety Audit was not required as there is no fundamental redesign of the junction required.

(i) The proposed attenuation provided of 30m³ is undersized by approximately 75%. The applicant is required to submit a revised drawing and report showing additional surface water attenuation provided by means of SuDS systems (Sustainable Drainage Systems). SuDS features could include but are not limited to Permeable paving and Other such SuDS.

Downes Associates Response

We do not agree that the attenuation is undersized. A comprehensive stormwater modelling analysis has been undertaken and the calculations and results of same are included with our original planning stage report. This accounts for the volume of storage achieved via surcharging of the underground network and also includes the volume of both the swale and the underground attenuation tank.

(ii) The use of concrete attenuation tanks is not accepted by SDCC (South Dublin County Council) Drainage section. The applicant is required to submit a drawing and report providing alternative means of attenuating surface water through the use of an arched type attenuation system or equivalent.

Downes Associates Response

Noted. Please see attached revised proposal drawing 5008 which indicates details of the proposed arch type attenuation system.



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