Water Services Planning Report

Register Reference No.:	*SD21A/0323*
Development:	Construction of single storey drive through coffee shop pavilion within the existing carpark of Lucan Retail Park; building total floor area of 170.45sq.m and would operate for the sale and consumption, on and off the premises of food and beverages; development will include the reconfiguration of section of existing carpark; removal of 45 car parking spaces to make way for proposed building; vehicle circulation route and collection point; existing carpark to be reduced from 285 to 240 car spaces; all ancillary site works including drainage, external seating, cycle parking, signage location and landscaping.
Location:	Lucan Retail Park, Ballydowd, Lucan, Co. Dublin
Report Date :	05th Jan 2022

Surface Water Report: Further Information Required:

1.1 The proposed stormtech attenuation tank capacity of $26.6m^3$ is undersized by approximately 8% for a 30 year storm event and undersized by 53% for a 100-year storm event. There shall be a minimum clear distance of 5m between the proposed attenuation system and the proposed building.

1.2 Submit a revised report and drawing showing increased surface water attenuation. This additional attenuation required of 8% and 53% for 1 in 30 and 1 in 100 year respectively should be by means of SuDS System. Examples of SuDS include,

   - Green roof
   - Detention basins
   - Swales
   - Grass crete, Premeable paving
   - Tree pits
   - Planter boxes
   - Other such SuDS

   1.3 Only as a last resort should an arched type attenuation system be used be used to attenuate surface water.

Flood Risk   No Objection

- The Developer shall ensure that there is complete separation of the foul and surface water drainage for the proposed development.

- All works for this development shall comply with the requirements of the Greater Dublin Regional Code of Practice for Drainage Works.

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<u>Water Report:</u>   **Referred to IW**

<u>Foul Drainage Report:</u>   **Referred to IW**

Signed: _____   Date: _____
       Padraig Slye GE

                                                 Date:

Endorsed: _____   _____
         Brian Harkin SEE