

Water Services Planning Report

Register Reference No.:	<i>SD21A/0186 Clarification of AI</i>
Development:	Construction of a 3 storey (part 4 storey) data centre known as 'DB8' to include data halls, electrical/plant rooms including internal generators, offices, lobbies, ancillary staff areas including break rooms and toilets, stores, stair/lift cores throughout and photovoltaic panels at roof level; the total gross floor area excluding hot air plenums and external staircase is c.9,601sq.m and the overall height of the data centre ranges from c.16m to c.20m to roof parapet level and up to c.24.48m including roof top plant, flues and lift overrun; provision of 5 external generators, 8 fuel tanks and ancillary plant contained within a plant yard to the north of DB8; provision of a water tank plant room, air cooled chillers and ancillary plant contained within a chiller plant yard to the south of DB8; provision of a water sprinkler pump room (c.23sqm), 2 sprinkler tanks (c.12m high each), heat recovery plant room (c.17sqm), ESB substation (c.44sqm), waste/bin stores (c.52sqm); total floor area of ancillary structures and plant (c.303sqm); provision of a delivery yard and loading bays, 64 car parking spaces, 5 motorcycle spaces, bicycle shelter serving 14 spaces, smoke shelter, internal access roads and footpaths, vehicular and pedestrian access to the west from Falcon Avenue and closure of an existing vehicular entrance from Falcon Avenue; all associated site development works, services provision, drainage works including attenuation, landscape and boundary treatment works including berming, hedgerow protection areas and security fencing; no buildings are proposed above the existing ESB wayleave and SDCC watermain wayleave to the west and north of the site; the area to the southwest of the site (temporary meadow) is reserved for a future data centre, subject of a separate application to South Dublin County Council on a site bounded to the east and south by Grange Castle Golf Club, to the north by Nangor Road (R134) and to the west by an estate road known as Falcon Avenue. This application is accompanied by a Natura Impact Statement.
Location:	Plot 100, Profile Park, Nangor Road, Clondalkin, Dublin 22
Report Date :	14 th March 2022

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Surface Water Report:

No objection subject to:

- 1.1 Prior to commencement of development, the applicant or developer shall enter into Surface Water connection agreement(s) with South Dublin County Council. Application forms for Surface Water connections to the public drainage network are available at: <https://www.sdcc.ie/en/services/environment/environmental-health/water-services/drainage/>
- 1.2 The applicant shall ensure that the proposed pond and swale side slopes do not exceed 1 in 3 slope gradients for ease of access/egress and maintenance. All pond and swale inlets/outlets shall be designed to ensure erosion from flowing water is avoided at these locations.

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 new precast surface water manholes shall have a minimum thickness surround of 150mm Concrete Class B.
 - 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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Water Report:

Referred to IW

Foul Drainage Report:

Referred to IW

Signed: _____
Ronan Toft AE

Date: _____

Endorsed: _____
Brian Harkin SEE

Date: _____