Water Services Planning Report

Register Reference No.:	*SD21A/0202*
Development:	The setback, widening and relocation of a site entrance northwards along the public road, allowing for improved sight lines and it's repositioning, reordering and construction; a new pedestrian entrance; demolition of small shed/garage structure; filling-in of an existing swimming pool; demolition of a portion of the west flanking courtyard wall to re-establish a historic courtyard entrance (as seen on Historic 6 Inch (1837-1842), Historic 25 inch (1888-1913) maps); construction of 11 residential units located surrounding Rookwood House (protected structure) on it's associated grounds, made up of Section 1: The Gate Lodge consisting of Unit 1, [1.5-Storey two bed, 4 person detached dwelling (83.50sq.m); Section 2: Mews Houses consisting of Units 2, 3 & 4, (two storey three bed, four person terraced dwellings (105.10sq.m) and Unit 5 (two Storey, three bed, six person detached dwelling (138.00sq.m) and Section 3: Woodland Houses consisting of Units 6 & 9 (2.5-storey, four bed, six person detached dwellings (152.00sq.m), Units 7 & 10 (2.5-storey, four bed, six person semi-detached dwellings (152.00sq.m) and Units 8 & 11 (2.5-storey, three bed, six person semi-detached dwellings (125.90sq.m) and maintaining the existing Rookwood house (protected structure) as a residential house, as is; 22 car parking spaces, new pedestrian footpaths, internal road network, detailed landscaping, services and all associated works.
Location:	Rookwood, Stocking Lane, Ballyboden, Dublin 16
Report Date :	18/08/2021

Surface Water Report: Further Information Required:

1.1 The SAAR (Standard Annual Average Rainfall) value of 1046mm used for Qbar calculations is too high. The SAAR value should be approximately 840mm and not 1046mm.

1.2 The developer is required to apply Qbar Rural as the maximum discharge rate for all storm events and not 30 year Qbar discharge rate. Water Services calculate Qbar rural to be approximately 1.5 Litres/Second but may accept 2 Litres/Second as a minimum discharge rate. Consultant engineer is to submit revised attenuation proposals based on applying the Qbar rural discharge rate as max discharge from site for all storm events. Water Services will then reassess attenuation volumes.

1.3 Submit MET Eireann rainfall data for site.

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1.4 It is unclear how much attenuation in total is provided for the development. Submit a report and drawing showing how much surface water attenuation in m3 is provided for the development. Also submit a drawing showing where the surface water attenuation will be provided for the development.

1.5 Include additional SuDS (Sustainable Drainage System Features) and submit details of same.

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.

Water Report: **Referred to IW**

Foul Drainage Report: **Referred to IW**

Signed: _____ Date: _____
Brian Harkin SEE.

Endorsed: _____ Date: _____
Chris Galvin SE.