

# Water Services Planning Report

**Register Reference No.:** SD22A/0352

**Development:** Construction of two new three storey primary school buildings for Gaelscoil na Camoige agus Gaelscoil Chluain Dolcain providing 16 classrooms each, a shared general purpose area, ancillary teaching and staff accommodation; The development will also consist of the construction of a new single storey PE Hall building for Colaiste Chillian; The development will also include two new pedestrian access routes, with one located on New Nangor Road and with another located at the junction of New Nangor Road and Old Nangor Road; A new vehicle entrance and exit onto Old Nangor Road to provide a one-way vehicle route with a bus/vehicle set down zone, conversion of existing vehicle entrance to Colaiste Chillian to an in-only entrance; 2 new hard play courts and play space at each primary school with site landscaping, bicycle parking spaces and car parking spaces for each primary school including accessible car parking spaces, internal refurbishment works to Colaiste Chillian to facilitate the reintegration of teaching accommodation upon Gaelscoil Chluain Dolcain's move to the new school; Removal of the existing temporary changing room and relocation of car park at Gaelscoil Chluain to provide accessible parking spaces and associated works; Connections to public utility and drainage services, boundary treatments, installation of PV panels, alterations to existing drainage layout and associated site development works.

**Location:** Colaiste Chillian, Old Nangor Road, Clondalkin, Dublin 22

**Report Date :** 17<sup>th</sup> Oct 2022

## Surface Water Report:

## **Further Information Required:**

- 1.1 Submit a report to clarify the site area for the development. Clarify the areas of the different surface types such as Building, roads paths, permeable paving, grass and their respective run off coefficients. Water services estimate that the attenuation provided of 620m<sup>3</sup> is undersized by approximately a factor of 2 or 3.
- 1.2 Clarify in report what attenuation in m<sup>3</sup> is proposed and what attenuation in m<sup>3</sup> is provided.
- 1.3 Submit a report and drawing showing what SuDS (Sustainable Drainage Systems) are proposed and what attenuation capacity each SuDS System has. Surface water attenuation should be provided by means of SuDS first and where this is insufficient then an alternative arched attenuation system can be considered.

Examples of SuDS and this is not an exhaustive list include:

- Green roofs or blue roofs

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- Permeable Paving
- Grasscrete
- Swales
- Rain Gardens , Planter boxes
- Filter drains
- Other such SuDS

Examples of SuDS can be found in South Dublin County Council Website at:  
[sdcc-sustainable-drainage-explanatory-design-and-evaluation-guide.pdf](#)

Submit a drawing in plan and cross section of each SuDS system.

**1.4** Submit a report and drawing showing a flow route analysis for the site.

**1.5** Prior to submission of further information contact Water Services in South Dublin County Council to discuss above issues.

## **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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## **Water Report:**

**Referred to IW**

## **Foul Drainage Report:**

**Referred to IW**

Signed: \_\_\_\_\_  
Brian Harkin SEE

Date: \_\_\_\_\_

Endorsed: \_\_\_\_\_  
Juliene Helbert SE

Date: \_\_\_\_\_