

CLIENT:



PROJECT:

**Proposed Development at Hollywood Drive,
Cork**

DOCUMENT TITLE: **Services (Water & Drainage) Report**

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1.0 Introduction

A development of seven houses is proposed for a site at the rear of the St. Vincent's GAA Clubhouse on Blarney Road, Cork

This report outlines the approach taken to Water & Drainage for the proposed development.

2.0 Surface Water Drainage

The site of the proposed development is currently mostly a sloping hardcore surfaced car park serving the St. Vincent's GAA Clubhouse where surface water flows into the existing surface water network on the Blarney Road.

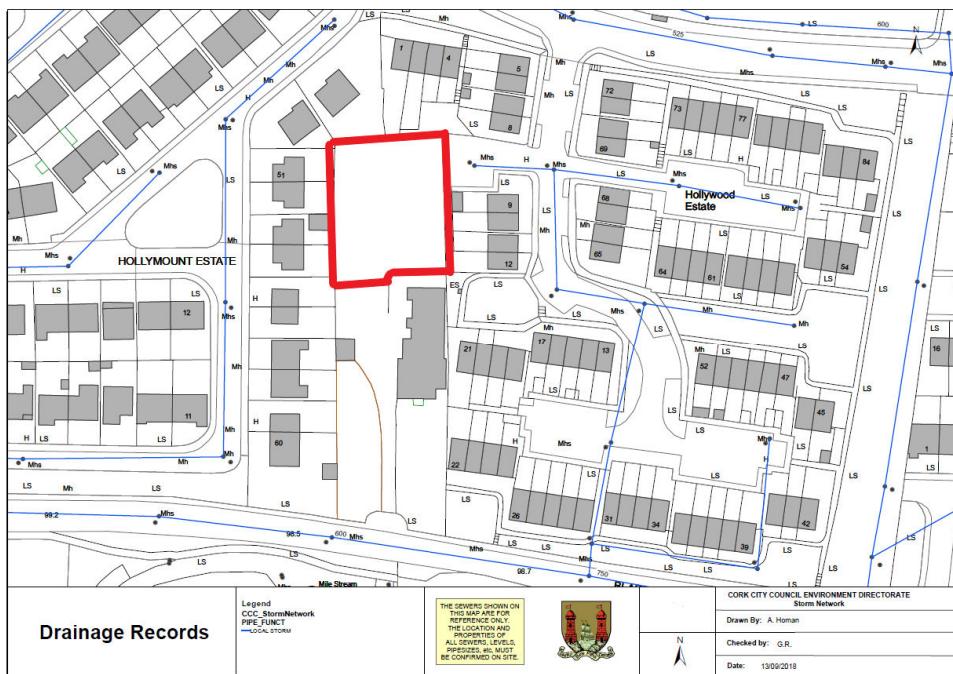


Aerial Photo of Site of Development

It is proposed to divert surface water from the impermeable area of the proposed development (outlined in red above) to the existing surface water network in the Hollywood Estate, which also connects to the existing surface water sewer on the Blarney Road.

Given the compaction of the car park surface and the slope of the site, the surface water run-off from the existing site is likely to be significant and similar to impermeable hardstanding of equivalent area.

Any net increase in additional impermeable area is negligible as the rear gardens of the proposed dwellings will be landscaped and only roofs, front driveways, and the estate road will discharge to the surface water network.



**Existing Surface Water Drainage Network in the Vicinity of the Site
(From Cork City Council)**

As the increase in the impermeable area on the site is negligible and as surface water is still proposed to be directed to the existing main surface water sewer on Blarney Road, no attenuation is proposed.

Calculations for the surface water drainage including Met Eireann rainfall data are included in Appendix 1.

The proposed surface water drainage layout for the development is shown on DJF drawing 4065-142.

3.0 Foul Drainage

A pre-connection enquiry has been submitted to Irish Water for the development by DJF Engineering Services Ltd. on behalf of Cork City Council. This is included in Appendix 2. This pre-connection enquiry includes details of foul water discharge.

In response to this enquiry, Irish Water has confirmed that the proposed connection can be facilitated. The Irish Water Confirmation of Feasibility is included in Appendix 3.

Full details of the proposed foul drainage layout for the development is shown on DJF drawing 4065-142.

It is proposed to connect the foul drainage system for the proposed development to the existing foul drainage network in the Hollywood Estate.

4.0 Water & Watermains

A pre-connection enquiry has been submitted to Irish Water for the development by DJF Engineering services Ltd. on behalf of Cork City Council. This is included in Appendix 2. This pre-connection enquiry includes details of water and firefighting supply requirements.

In response to this enquiry, Irish Water has confirmed that the proposed connection can be facilitated. The Irish Water Confirmation of Feasibility is included in Appendix 3.

Full details of the proposed watermain layout for the development is shown on DJF drawing 4065-142.

It is proposed to connect the watermain for the proposed development to the existing watermain network in the Hollywood Estate.