

**CMK**

Horticulture & Arboriculture Ltd.

# Arboricultural Impact Report

## Residential Development, Newtownmoyaghy, Kilcock, Co. Meath

<b>Project No.</b>	TKIL004	<b>Date</b>	18/11/19
<b>Project Name</b>	Residential Development, Newtownmoyaghy, Kilcock	<b>Revision</b>	B

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## 1. Introduction

This report is designed to outline the impact on trees of the proposed development Newtownmoyaghy, Kilcock, Co. Kildare and provides supporting documentation to the arboricultural element of the planning submission for the site. Refer to table 1 for a list of all relevant arboricultural reports and drawings associated with this application.

The background data on tree condition and the categorisation of trees is based on the tree survey undertaken by CMK Hort + Arb on behalf of McGarrell Reilly Homes on the 3rd of September and 23rd October 2019.

The survey methodology, supporting drawings and documentation follow the recommendations contained within BS 5837 (2012). The analysis of the trees was undertaken using the VTA methodology as developed by Mattheck and Breloer (1994).

Drawings / Reports	Number	Revision
Tree Survey & Constraints drawings	TKIL004 101 TKIL004 102 TKIL004 103 TKIL004 104 TKIL004 105	B
Arboricultural Impact drawings	TKIL004 106 TKIL004 107 TKIL004 108 TKIL004 109 TKIL004 110	B
Tree Protection drawings	TKIL004 111 TKIL004 112 TKIL004 113	B
Arboricultural Assessment report	-	D
Tree Protection Strategy report	-	B

**Table 1.** Arboricultural drawings and reports

A total of eleven trees and seven hedgerows were identified and assessed on the site with a detailed analysis of the individual trees contained within sections 6 & 7 of the Arboricultural Assessment report. Table 2 outlines the categorisation of trees within this report.

The location of trees and hedgerows and their categorisations are outlined within the Arboricultural Assessment report and on drawings TKIL004 101 to TKIL004 105 inclusive Tree Survey and Constraints Rev B.

Category	Number	% of total
A	0	0
B	5	45.5%
C	5	45.5%
U	1	9%

**Table 2.** Tree Categories

## 2. Arboricultural Impact

### 2.1 General approach to tree retention

The rationale for retaining / removing trees and hedgerows on this site is based on the condition of the individual trees, the suitability of trees in terms of their species and/or form and the impact of the proposed development. The initial pre-planning and design stage identified trees and hedgerows with potential for retention based on their condition and their potential root spread as outlined within the Tree Survey and Constraints drawing. These factors were addressed within the design and development stage with the tree and hedgerows shown for retention within drawings TKIL004 106 to TKIL004 110 Arboricultural Impact the result of these considerations.

### 2.2 Tree retention/removal

The impact on trees of the proposed development is outlined within table 3 with the impact on trees and hedgerows shown on drawings drawings TKIL004 106 to TKIL004 110 inclusive. This loss represents 90.6% of all the trees on the site with the exception of the category U specimens which have been identified for removal based on their poor quality. In addition, five hedgerows will be removed in full or part.

Category	Number	% of total
A	0	0%
B	4	36%
C	5	45.5%
U	1	9%

**Table 3.** Tree Removal Categories (impact of development)

The nature and density of the proposed development has allowed for the development of open space areas in several areas of the site, however with the exception of an area to the west of the site which includes hedgerow F all the remaining trees and hedgerows fall within the footprint of the development and are to be removed.

The loss of trees and hedgerows constitutes a loss of ecosystem services however the quality of the trees is generally moderate to low only with the hedgerows of low plant diversity overall due to minimal management in recent years.

## 3. Mitigation & Tree Protection

Proposed new tree planting is contained within the accompanying Landscape Masterplan drawings submitted as part of the planning package. These plantings will provide a new generation of trees which have the potential to develop and add to the existing tree cover on the site.

A Tree Protection Strategy document is provided as part of the arboricultural element of the submission with the aim of ensuring retained trees are maintained for the duration of the construction stage of the development without negative construction related impacts. Tree protection details and locations are shown on drawings TKIL004 111 to TKIL004 113 inclusive.