

**18085-01-001**

**Proposed Residential Development  
Coill Dubh, Co. Kildare**

**ROAD SAFETY AUDIT STAGE 1 / 2**

**July 2018**

**ROADPLAN**

**CONSULTING**

7, Ormonde Road  
Kilkenny.  
R95 N4FE

Tel: 056 7795800  
info@roadplan.ie

## **1. INTRODUCTION**

- 1.1 This report describes a Stage 1/2 Road Safety Audit carried out at Coill Dubh, Kildare on behalf of Kildare County Council. The audit was carried out on 23rd July 2018 in the offices of Roadplan Consulting, Kilkenny.
- 1.2 The audit team members were as follows:-  
  
George Frisby, BE CEng MIEI;  
  
Harry Cullen, BE CEng MIEI;
- 1.3 Both audit team members visited the site. The audit comprised an examination of the drawings relating to the scheme supplied by Kildare County Council and an examination of the site.
- 1.4 This Stage 1 / 2 Audit has been carried out in accordance with the relevant sections of TII GE-STY-01024. The team has examined only those issues within the design relating to the road safety implications of the road access to the scheme, and has therefore not examined or verified the compliance of the design to any other criteria.
- 1.5 All of the problems described in this report are considered by the audit team to require action in order to improve the safety of the scheme and minimise accident occurrence.
- 1.6 Appendix A describes the audited drawings.

## 2. STAGE 1 / 2 AUDIT

### 2.1 Problem

Visibility to the left for a driver of a vehicle exiting the proposed development could be restricted by the existing boundary hedge on the east side of the public road, south of the proposed access.



Reduced sight distance at an entrance could lead to an increase in collisions.

### Recommendation

Adequate visibility splays should be provided for a driver of a vehicle exiting the proposed development. This could require cutting back or removing the front edge of the roadside boundary of the adjoining property on the east side of the public road, south of the proposed access, in order to obtain maximum sight distance in each direction from the site access.

### 2.2 Problem

There is public lighting at the small shopping area to the west of the proposed development, and the footpath has been completed from the shopping area all the way into Blackwood village. However, the public lighting has not been extended up to the L1019 local road. A lack of public lighting in a residential area which already has footpaths can lead to an increase in pedestrian collisions.

### Recommendation

Public lighting should also be provided within the proposed development and at the entrance to the proposed development.



### 2.3 **Problem**

There is an existing footpath on the west side of the public road at the proposed development access. Pedestrians travelling from this proposed development would need to cross the public road in order to access this footpath, both to go to the small shopping area to the west of the development and also to get into Blackwood Village. The lack of pedestrian facilities and easy access to the footpath on the opposite side of the road could lead to an increase in collisions for visually impaired or disabled road users.



### **Recommendation**

There is a footpath shown on the drawings from the new housing development to the edge of the public road. Dropped kerbs and tactile paving should be provided on both sides of the public road at a suitable location near the proposed entrance.

### 2.4 **Problem**

There is an existing drain that runs along the front of the site. Rainfall runoff from the road ends up in this drain. The existing hedge along the site boundary will most probably be removed as part of this development, and this open drain will be exposed. This will lead to the risk of an increase in collision severity along this stretch of road as an errant vehicle may end up in this drain.

**Recommendation**

Pipe the existing drain where the roadside boundary is being removed and provide a positive drainage system along the road edge to remove any surface water on the carriageway.

**2.5 Problem**

There is the utility pole in the hedge as seen in the photo below. When the existing roadside hedge has been removed it is likely that is pole will be left standing on its own, and will become a potential hazard for any loss of control collisions that occur close to the site access or the exiting public road junction with the L1019.

**Recommendation**

Any utility poles left exposed by the removal of the boundary hedge should be relocated to a less exposed location.

**3. AUDIT TEAM STATEMENT**

3.1 We certify that we have examined the drawing listed in Appendix A and have inspected the site. This examination has been carried out with the sole purpose of identifying any features of the design that could be removed or modified to improve the safety of the scheme.

Signed...  ..... George Frisby

Date ..... 23rd July 2018 .....

Signed ...  ..... Harry Cullen

Date ..... 23rd July 2018 .....

## **APPENDIX A**

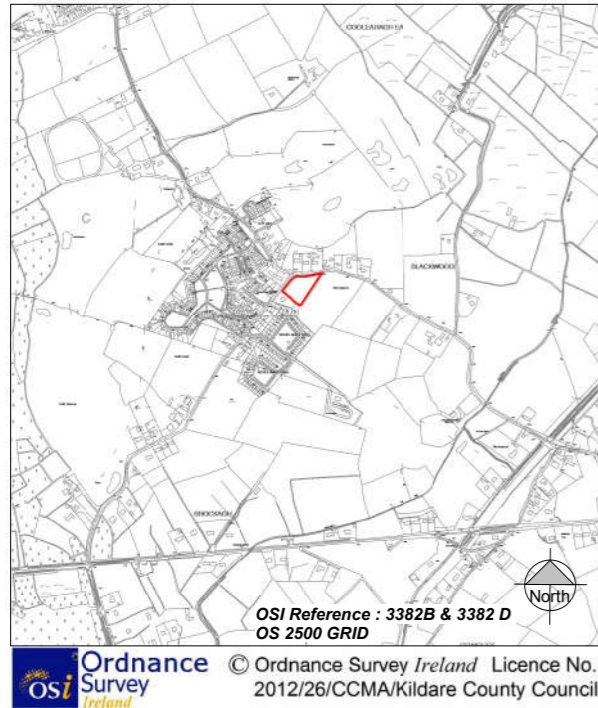
### **List of Drawings Examined:**

Drawing numbered 17-027-P8-02 and entitled 'Proposed 9 no Social Housing at Coill Dubh, Co. Kildare' provided electronically in PDF format by Kildare County Council.

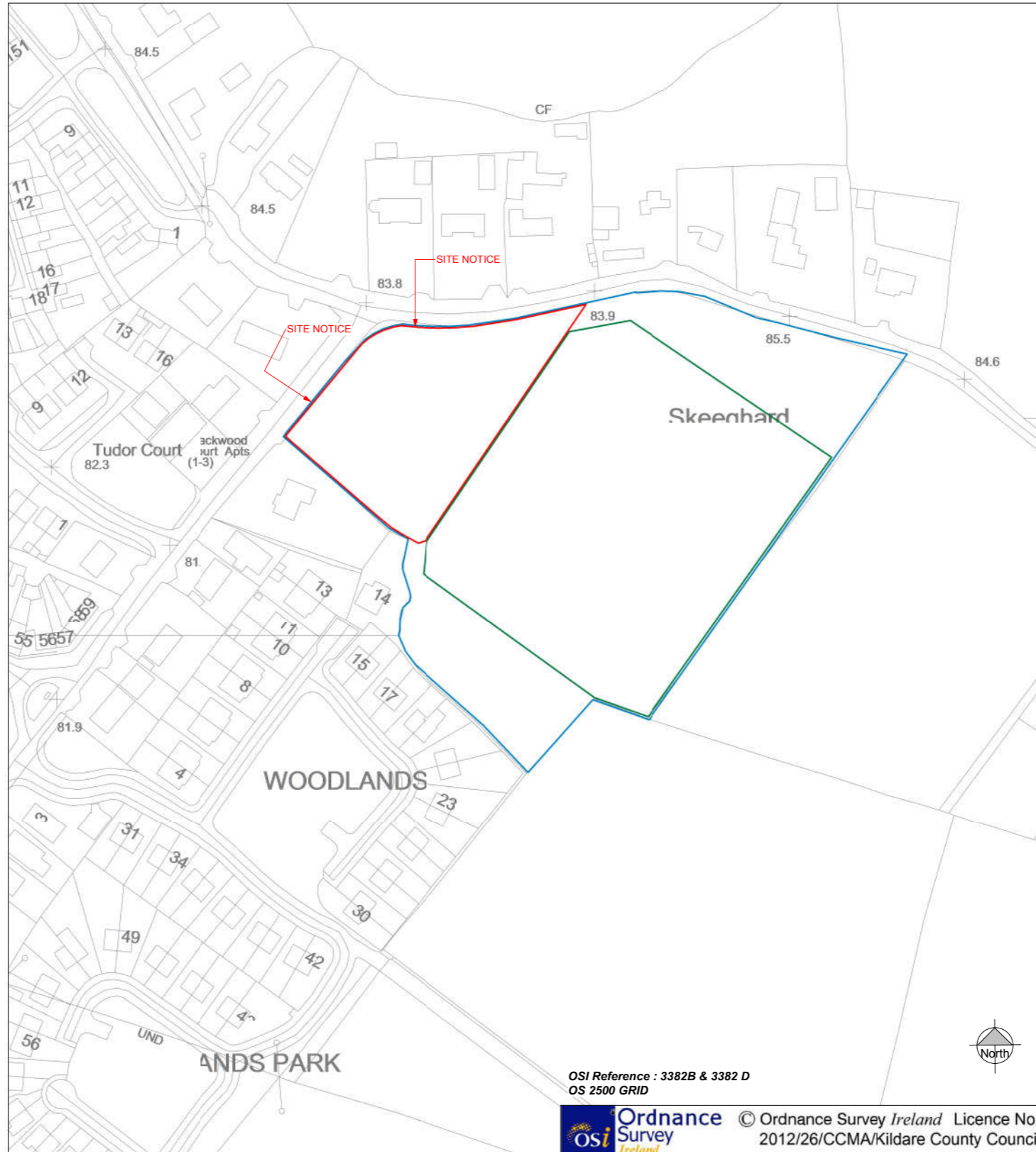
Drawing numbered 17-027-P8-03 and entitled 'Site Layout Plan' provided electronically in PDF format by Kildare County Council.

Drawing numbered 17-027-P8-04 and entitled 'Landscape' provided electronically in PDF format by Kildare County Council.





Site Location Map 2  
 Scale @ A1: 1 : 10620



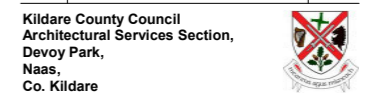
Site Location Map  
 Scale @ A1: 1 : 1000

pre part 8

Site area	0.6500ha
Lanes in ownership of KCC	2.9300ha
Lanes leased to soccer club	1.5950ha
Open space provided	18.40%
open space requirements	0.12ha 15% 0.0975ha
Zoning :	Village Centre
plot ratio:	0.12 max: 0.5 - 0.35
Residential density	15.4 units/ha recommended, 15-20 lower in some cases.
Site coverage:	9.2 % max 50 %

Notes:  
 This drawing has been prepared for planning purposes only  
 All drawings to be read in conjunction with all other consultant drawings. Architect to be informed immediately of any discrepancies  
 Figured dimensions only to be taken from this drawing. All dimensions and levels to be checked on site. Architect to be informed immediately of any discrepancies

REVISION	NOTES	DATE
REV	NOTES	DATE



Proposed 9 no. Social Houses at Coill Dubh, Co. Kildare.

Client:  
 Tadhg McDonnell, Director of Housing  
 Architectural Services Section,  
 Housing Department,  
 Kildare County Council  
 Prepared By: Capital Housing Team  
 Senior Architect: David Creighton, MIRAI  
 Senior Executive Architect: Lailia Hanrahan, MIRAI  
 Project Manager: Patrick Henderson, MIRAI

osmaps 17-027

Scale As indicated  
 Dwg No. 17-027 - P8-02

Project Status	Drawn By	Checked By	Date
PRE- PART 8	PH	LH	06/07/2018 10:10:52





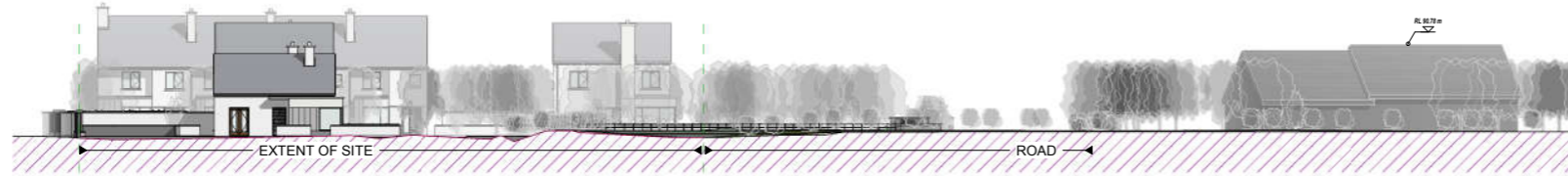




**NOTE:**  
 ALL TREES AND SHRUBS TO COMPLY WITH  
 TABLE 17.2 OF THE KILDARE COUNTY  
 DEVELOPMENT PLAN 2017-2023

Extent of site	—
Lands leased to soccer club	—
Lands in ownership of KKC	—
tarmacadam	■
Cobble lock type a	■
Cobble lock type b	■
Lawn-private open space	■
Lawn-public open space	■
Tree type 2-Silver Birch- (Betula Pendula) 50mm girth	●
Tree type 1-Rowan - (Sorbus) 50mm girth	●
Tree type 1- Ash (Fraxinus) 50mm girth	●
Wall 1. Low Garden Wall	—
Wall 2 Garden Wall	—
Wall 3.	—
Wall 4.	—
Railing type	—
post and plank fence	—
Bin screen	—

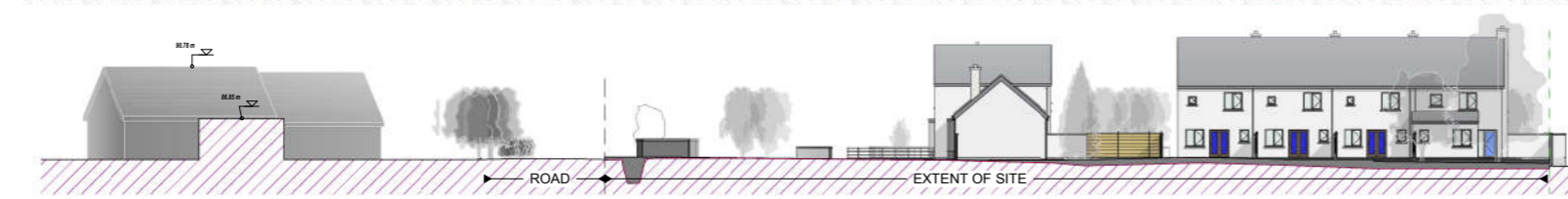
**Section GG**  
 Scale @ A1: 1 : 250



**Section HH**  
 Scale @ A1: 1 : 250



**Section JJ**  
 Scale @ A1: 1 : 250



**Section 10**  
 Scale @ A1: 1 : 250



**Section KK**  
 Scale @ A1: 1 : 250



**STAGE 2 SUBMITTED TO DHPCLG**

**Notes:**  
 This drawing has been prepared for planning purposes only  
 All drawings to be read in conjunction with all other consultant drawings. Architect to be informed immediately of any discrepancies  
 Figured dimensions only to be taken from this drawing. All dimensions and levels to be checked on site. Architect to be informed immediately of any discrepancies

REV	NOTES	DATE

**Kildare County Council**  
**Architectural Services Section,**  
**Devoy Park,**  
**Naas,**  
**Co. Kildare**

Proposed 9 no. Social Houses  
 at Coill Dubh, Co. Kildare.

Client:  
 Tadhg McDonnell, Director of Housing  
**Architectural Services Section,**  
 Housing Department,  
 Kildare County Council  
 Prepared By: Capital Housing Team  
 Senior Architect: David Creighton, MRIAI  
 Senior Executive Architect: Lailia Hannerty, MRIAI  
 Project Manager: Patrick Henderson, MRIAI

Landscape 17-027

Scale As indicated **Dwg No.**  
 17-027 - P8-04

Project Status	Drawn By	Checked By	Date
PRE - PART 8	PH	LH	06/07/2018 10:11:54

## SAFETY AUDIT FEEDBACK FORM

**Scheme:** Coill Dubh, County Kildare

**Document Number:** 18085-01-001

**Audit Stage:** 1/2

**Date Audit Completed:** 23<sup>rd</sup> July 2018

Paragraph No. in Safety Audit Report	To Be Completed By Designer			To Be Completed by Audit Team Leader
	Problem accepted (yes/no)	Recommended measure accepted (yes/no)	Describe alternative measure(s). Give reasons for not accepting recommended measure	Alternative measures or reasons accepted by auditors (yes/no)
2.1	y	y	_____	_____
2.2	y	y	_____	_____
2.3	y	y	_____	_____
2.4	y	y	_____	_____
2.5	y	y	_____	_____

**Safety Audit**

Signed off Pat Henders Design Team Leader Date 08/08/18

**Safety Audit**

Signed off Pat Henders Employer Date 08/08/18

**Safety Audit**

Signed off George Pitt Audit Team Leader Date 6/9/18

Please complete and return to: Roadplan Consulting Ltd.  
7, Ormonde Road  
Kilkenny  
E-mail: info@roadplan.ie