18085-01-001

# Proposed Residential Development Coill Dubh, Co. Kildare

# ROAD SAFETY AUDIT STAGE 1 / 2

July 2018



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.

Rist Signed...

George Frisby

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

Fille Signed ...

Harry Cullen

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

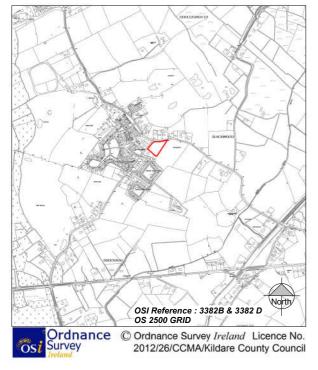
## APPENDIX A

#### List of Drawings Examined:

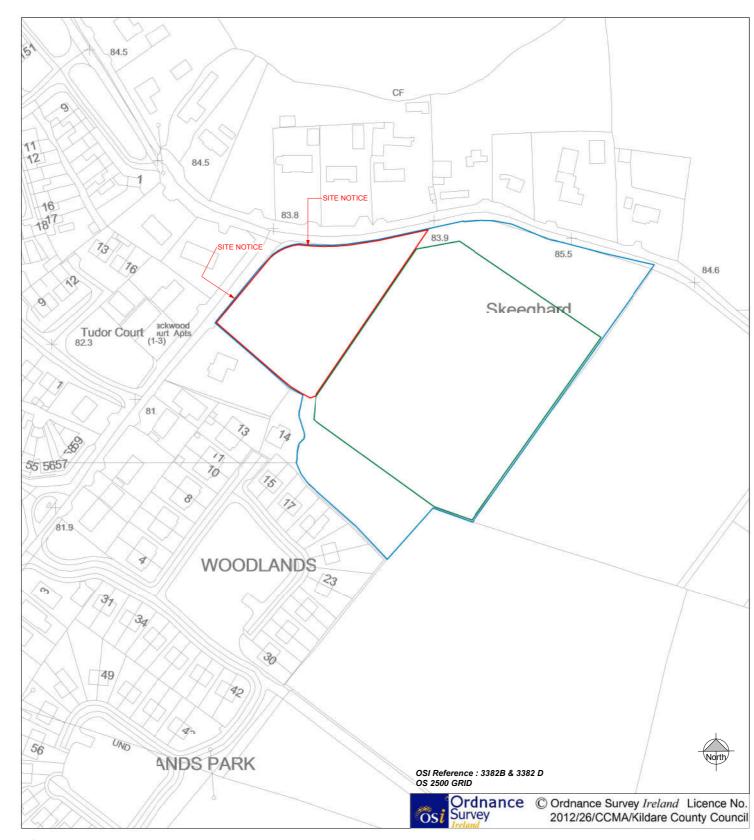
Drawing numbered 17-027-P8-02 and entitled 'Proposed 9 no Social Housing at Coill Dubh, Co. Kildare' provided electronically in PDF format by Kildare County Council.

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

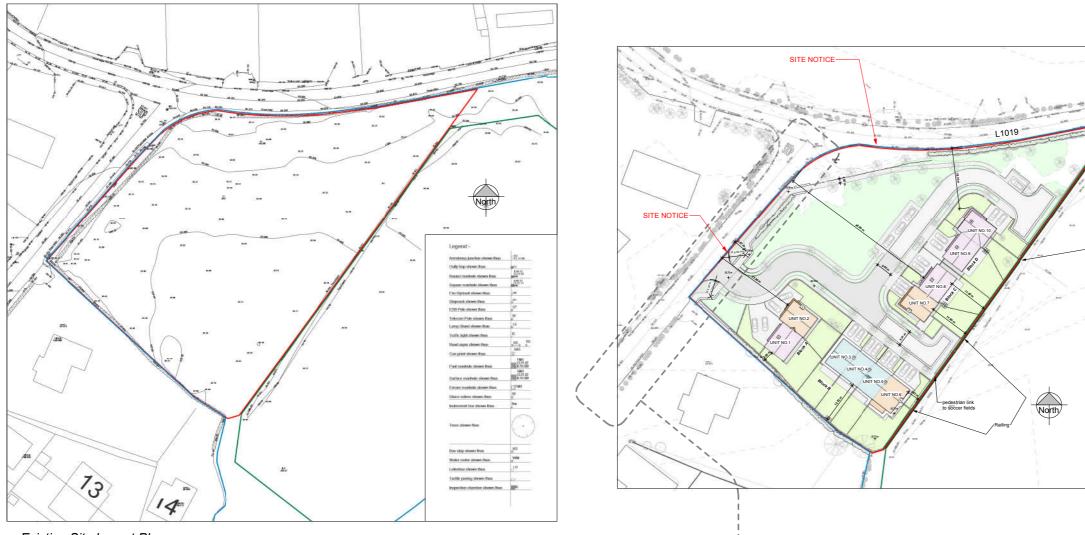


Site Location Map

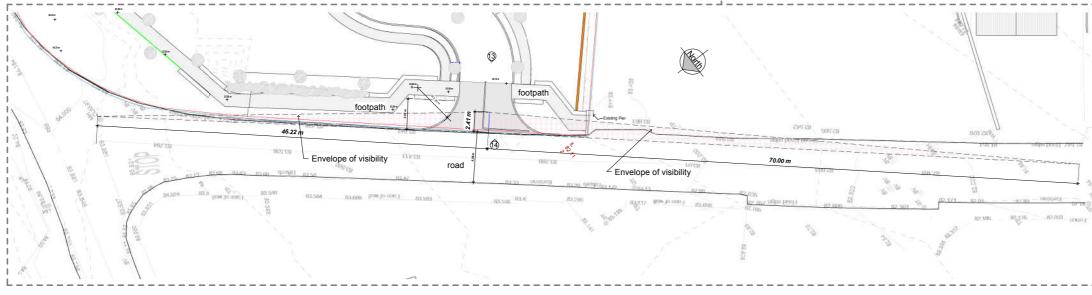
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#### pre part 8

Site area							
Lands in a	ownershop	of KCC		-		- 2.	9300ha
Lands lea	sed to soci	er club	Ê.	-		- 1.	5950ha
	Open sp	ace pro	ovided		18.40%		0.12ha
	open spo	ce requ	virements	ř	15%	0.0	0975ha
	Zoning :					Villane	Centre
	plot ratio	2				Aunder	0.12
	plot retit					max: 0.5	
	Resident	ial dens	sity				nits/Ha
					ecommended	, 15-20 low	ver in
				3	ome cases.		
	<b>F</b> 14					9.2	
	Site cove	nage.					
_	-	-				max 50	70
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Existing Site Layout Plan Scale @ A1: 1:500



Proposed entrance sightlines plan Scale @ A1: 1:200

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F-lusersIARCH5/2017- Projects/17-027 Housing Capital - Call DubitO2 Technical®1 Project Manager06 Dawlrgs104 stage 2/Part 8\_rev 9.nt Capital Housing PRE- PART 8 General Notes: Zoning: Village cent Site Area : 0.65HA Plot ratio: 0.12 Site coverage: 9.2% Density: 15.4 Units/ Density: 15.4 Units/HA Services: Water: Access to public mains Foul: Access to public sewer Surface Water: soakaways on site Proposal: Proposed 9 no. Social Houses at Coill Dubh,Co. Kildare.

no.	Type	/pe Bedroom / Floors/	Gross internal floor area		Living	Bedroom area	Storage area	private open space	
		People		KCC Min standard					KCC
1	A	18-15-2P	55.5	55	23	11.5	5.4	155	48
2	в	3B-25-5P	100.5	100	34	32.7	9	300	60
3	с	2B-2S-4P	87	85	30	25.3	6	198	55
4	C	28-25-4P	87	85	30	25.3	6	198	55
5	С	2B-2S-4P	87	85	30	25.3	6	200	55
6	D	3B-2S-5P	101.2	100	34	32.4	9	195	60
2	E	38-25-5P	100.5	100	34	32.7	9	300	60
8	A	18-15-2P	55.5	55	23	11.5	5.4	155	48
9	A	1B-1S-2P	55.5	55	23	11.3	4.8	167	48
10	F	18-15-2P	55.5	55	23	11.3	4.8	167	48
					Parkin	g			
4×1	bedro	oom units	40%		1	2	Spa	ces pe	r house
3 x 2	bedro	oom units	30%			3		Visito	r space
3 x 3	bedro	om units	30%			23			Total

Site area		_	0.6	500ha
Lands in o	ownershop of KCC		2.9	9300ha
Lands lea	sed to soccer club	_	1.5	5950ha
	Open space provided	18.40%		0.12ha
	open space requirements	15%	0.0	975ha
	Zoning :		Village	Centre
	plot ratio:			0.12
			max: 0.5	- 0.35
	Residential density	recommended, 1 some cases.	15.4 ut 15-20 low	
	Site coverage:		9.2	96
			max 50	%

#### STAGE 2 Revised

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NOTES:

REVISIO

REV



Kildare County Council Architectural Services Section, Devoy Park, Naas, Co. Kildare	
Proposed 9 no. Social at Coill Dubh,Co. Kilda	
Client: Tardıp, McDonnell, Director of Housing Architectural Services Section, Housing Department, Kildare County Council Prepared By: Capilal Housing Team Senior Architect: Levita Hamratly, MRIAI Project Manager: Prainck Henderson, MRIAI	
Site Layout plan	17-027

DATE

Scale As indi	cated	<b>Dv</b> 17-027	<b>vg No.</b> - P8-03
Project Status	Drawn By	Checked By	Date
PRE- PART 8	PH	LH	06/07/2018 10:11:09





Scale @ A1: 1:250

FilusersIARCHS/2017- Projects/17-027 Housing Capital - Call Dubrito2 Technical/01 Project Manager/05 Dawings/04 stage 2/Part 8\_rev 9.nt Capital Housing PRE- PART 8 Site Area : 0.65HA Water: Access to public Foul: Access to public Surface Water Access to public sewer ce Water: soakaways on site Proposal: Proposed 9 no. Social Houses at Coill Dubh,Co. Kildare.

# 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	
	2
Lands in ownership of KKC	
tarmacadam	
Cobble lock	1
type a	
Cobble lock	
type b	
I anna anti-ata anna	
Lawn-private open space	
spuce	
Lawn-public open	-
space	
	. Constants
Tree type 2-Silver Birch- (Betula Pendul 50mm girth	a)
Sommight	
Tree type 1-Rowan - ( <i>Sorbus</i> ) 50mm girth	-
	-
Tree type 1- Ash (Fraxinus)	
50mm girth	1
Wall 1. Low Garden Wall	
Wall 1. Low Garden Wall	2. A
Wall 2 Garden Wall	
Wall 3.	
Wall 4.	
Railing type	
i taming type	
post and plank fence	_
Bin screen	
011 3016611	

#### STAGE 2 SUBMITTED TO DHPCLG

This drawing has been prepared for planning purpos All drawings to be read in conjunction with all other or drawings. Architect to be informed immediately of an Figured dimensions only to be taken from this drawi and levels to be checked on site, Architect to be info of any discrepancies

REVISION		
REV	NOTES:	DATE

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

Landscape	17-027
Senior Architect: David Creighton, MRIAI Senior Executive Architect: Leitita Hanratty, MRIAI Project Manager: Patrick Henderson, MRIAI	
Prepared By: Capital Housing Team	
Kildare County Council	
Housing Department,	
Architectural Services Section,	
Tadhg McDonnell, Director of Housing	
Client:	

**Dwg No.** 17-027 - P8-04 Scale As indicated Date Project Status Drawn By Checked By 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		To Be Com	To Be Completed by Audit Team Leader	
No. in Safety Audit Report	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	У	У		
2.2	У	У		2
2.3	У	У		
2.4	У	У		×
2.5	У	У		

Safety Audit						
Signed off	Pat	Henders		Design Team Leader	Date	08/08/18
Safety Audit						
Signed off	4.t	Alender		Employer	Date	08/08/18
Safety Audit Signed off	Geor	Je fait	. Audit	Team Leader	Date	6/ 9/ 18

Please complete and return to:

Roadplan Consulting Ltd. 7, Ormonde Road Kilkenny E-mail: info@roadplan.ie