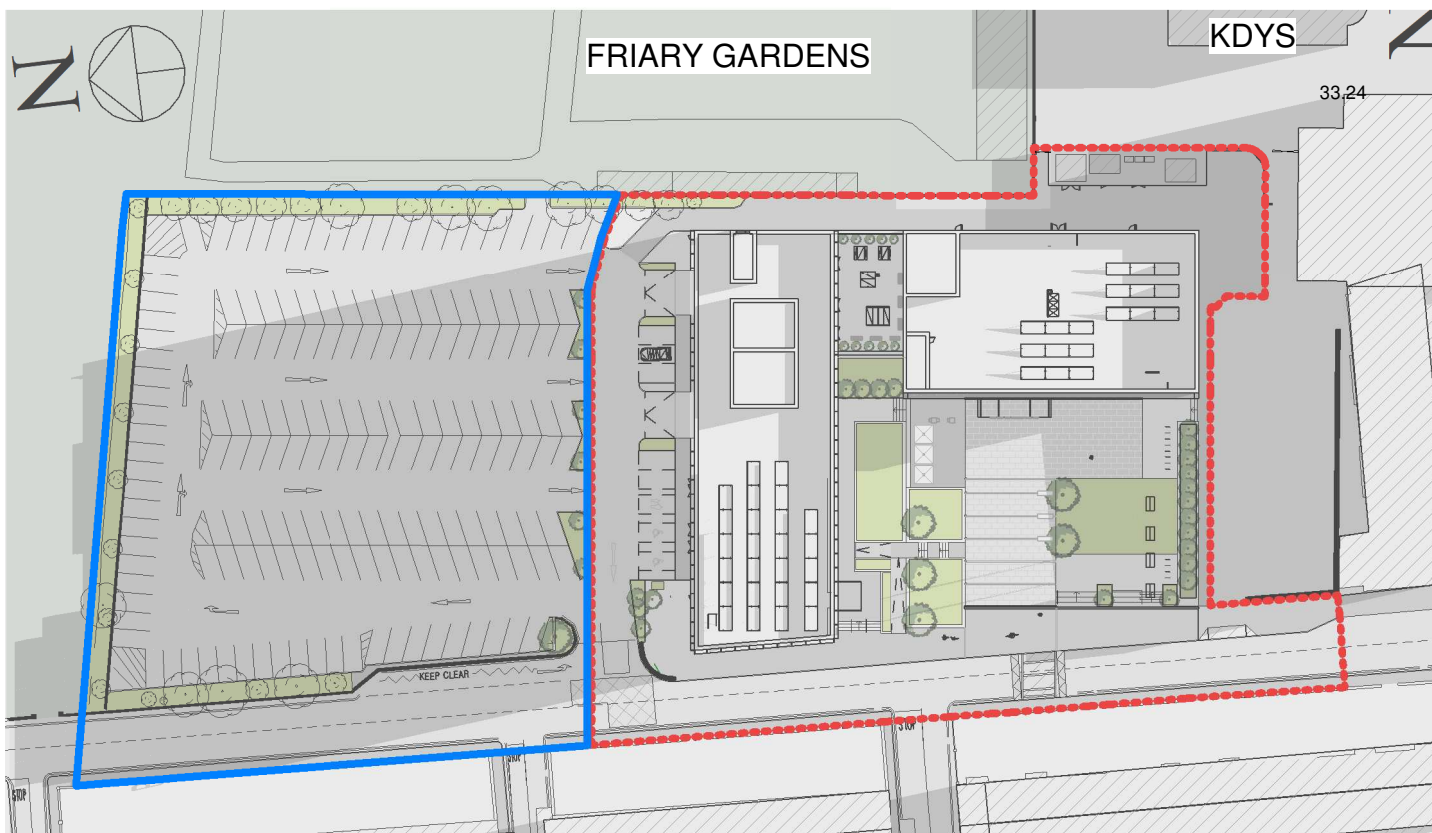
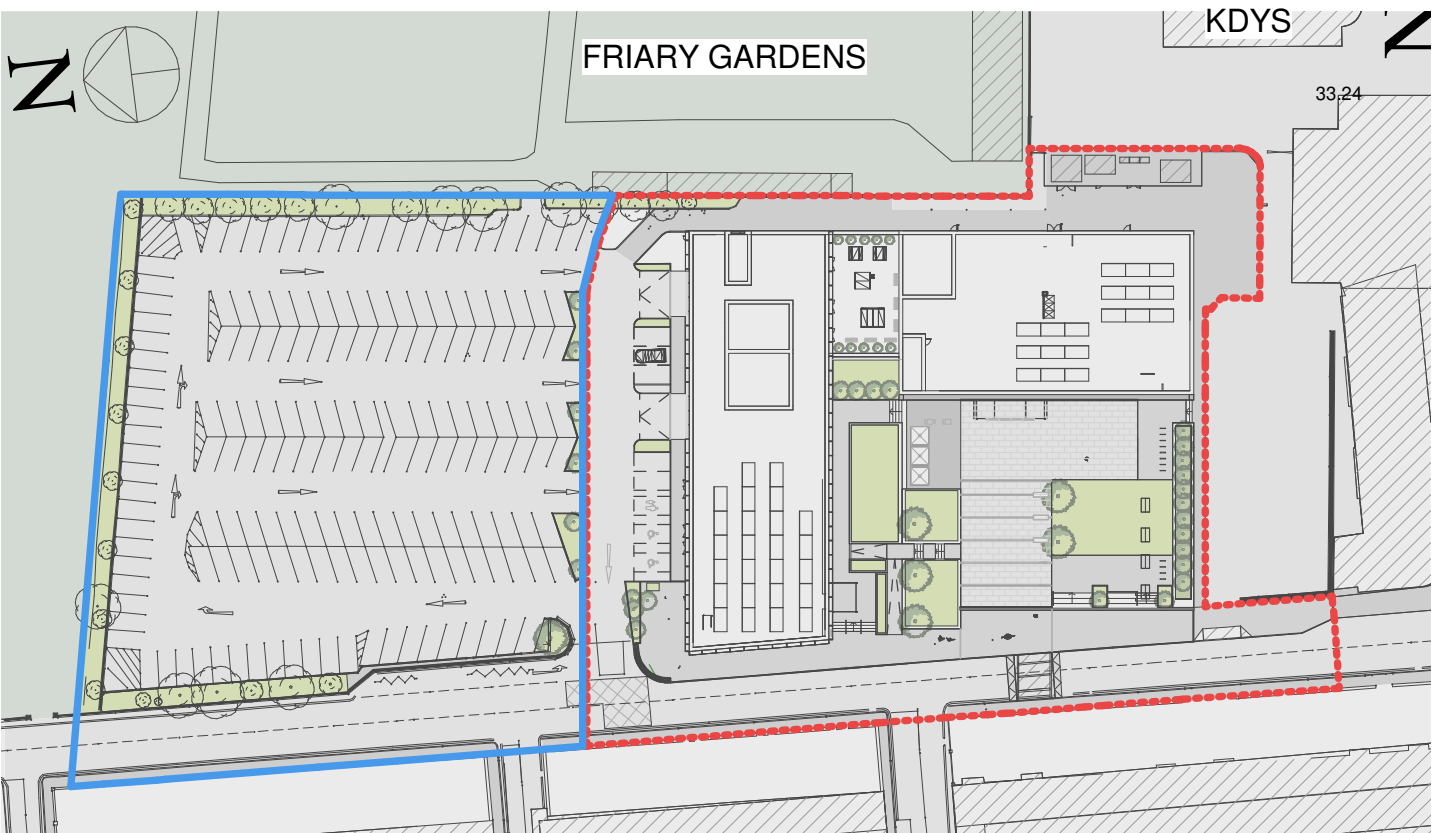


Site Plan - Sun Study 8am winter
1 : 1000



Site Plan - Sun Study 12noon winter - Little / No Sun
1 : 1000



Site Plan - Sun Study 4pm winter - No Sun
1 : 1000

Referring to the shadow studies, the residential properties between Sunny Hill Lower and Sunny Hill Upper are only susceptible to shade on bright sunny, summer's mornings as the sun rises in the east. On such days, the shade will clear from these residents by midday as the sun comes into the south.

The fact the rising sun is to the east, regardless of the scale of any opposite building, the sun will cast a shadow while it rises until it comes into the south by midday. This will only occur on bright sunny mornings and as above, the shade will be non-existent by noon.

Whilst both winter and summer solstices have been included, it should be noted that the statistics of Met Eireann, the Irish Meteorological Service, indicate that the sunniest months in Ireland are May and June. During these months, the mean daily sunshine average is 5.65 hours per day. December is the duller month, with an average daily sunshine of 1.2 hours per day. Therefore, impacts caused by overshadowing are generally most noticeable during the summer months and least noticeable during the winter months. Due to the low angle of the sun in mid-winter, the shadow environment in all urban and suburban areas are generally dense tending to make the images confusing and superfluous.

Given the above, the impact of shadow on the residential amenity is therefore minimal to negligible.

Please note, these drawings represent a computer-generated illustration of the extent of shadow. The drawing does not represent the intensity of the shadow, nor the extent of daylight illumination.

Notes:
- Do not scale from this drawing. Use figured dimensions in all cases.
- Verify dimensions on site and report any discrepancies to the Architect immediately.
- This drawing to be read in conjunction with the Architect's Specification.
- © This drawing is copyright and may only be reproduced with the Architect's permission.



Douglas Business Centre,
Carrigaline Rd,
Douglas, Cork,
T12 P088
T: + 353 (0)21 436 2922
W: www.reddyarchitecture.com
E: info@reddyarchitecture.com

Project Details:
**Redevelopment, Aras Phadraig Site
Lewis Road,
Killarney,
Co. Kerry**

Drawing Title:
Winter Solar Study - PCC One Storey Lower

P3-S-2	28.05.2024	SD	For Inclusion in Part 8 Application
P3-S-1	17.05.2024	SD	For Inclusion in Part 8 Application
Rev.	Date	Drwn	Details of Issue / Revision

Client Details:
Kerry County Council

Job No. P22-115C	Sheet Size: A3_Portrait	Scale @A3 1 : 1000
Issue Date: 01/17/24	Drawn By: L.Dunoos	Reviewed By: J.Leane

Status P3	Purpose of Issue PLANNING PERMISSION
Project - System - Spatial Zone - Level - Type - Originator - Role - Number 22115C-02-CB-XXX-DR-RAU-AR-9008	Revision P3-S-2