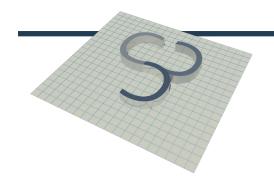
Photomontages LANDS AT CAPDOO & ABBEYLANDS, CLANE, CO. KILDARE





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Chris	s Shackle	ton (Cons	ultir	ıg	
Swords Road, Malal		<i>aters</i> ublir				
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	Tel:	+353	-1-5	6532	39	
	Mob: -	+333-	86-8	2063	/4	

- From the front of 91 Brooklands looking to entrance East PM01
 - Existing -
 - Proposed _
- PM02 From the rear of 34 Brooklands looking South East
 - Existing -
 - Proposed _
- From park in front of 114 Brooklands looking North East PM03
 - Existing -
 - Proposed _
- From park in front of 131 Brooklands looking North PM04
 - Existing _
 - Proposed -
- From park in front of 107 Alexandra Walk looking North PM05
 - Existing -
 - Proposed
- From Lidl Carpark looking South East PM06
 - Existing _
 - Proposed _



























Rev: 0











Photomontage Views

- PM07 Local road East across Liffey looking West
 - Existing
 - Proposed
- PM08 On R403 looking South
 - Existing
 - Proposed









Rev: 0







Name Status	Camera Locations Photomontage View Locationsi		Westar	
Scale	Not to Scale		Investments Limited	
Lands at Ca Clane, Co. I	apdoo & Abbeylands, Kildare	Rev: 0	Linited	



Name Status Reference:	PM01 Existing From the front of 91 Brooklands looking to entrance East		Westar Investments Limited	Camera location 688144, 727929, 67.1 Target Direction	Camera Can Lens Can HView Angle Nom Date/Time: 01/1
Lands at Capdoo & Abbeylands, Clane, Co. Kildare		Rev: 0	Linited	688294, 727930, 67.2	Recommended vi

11/2018 13:31

iewing distance with both eyes is 500mm.

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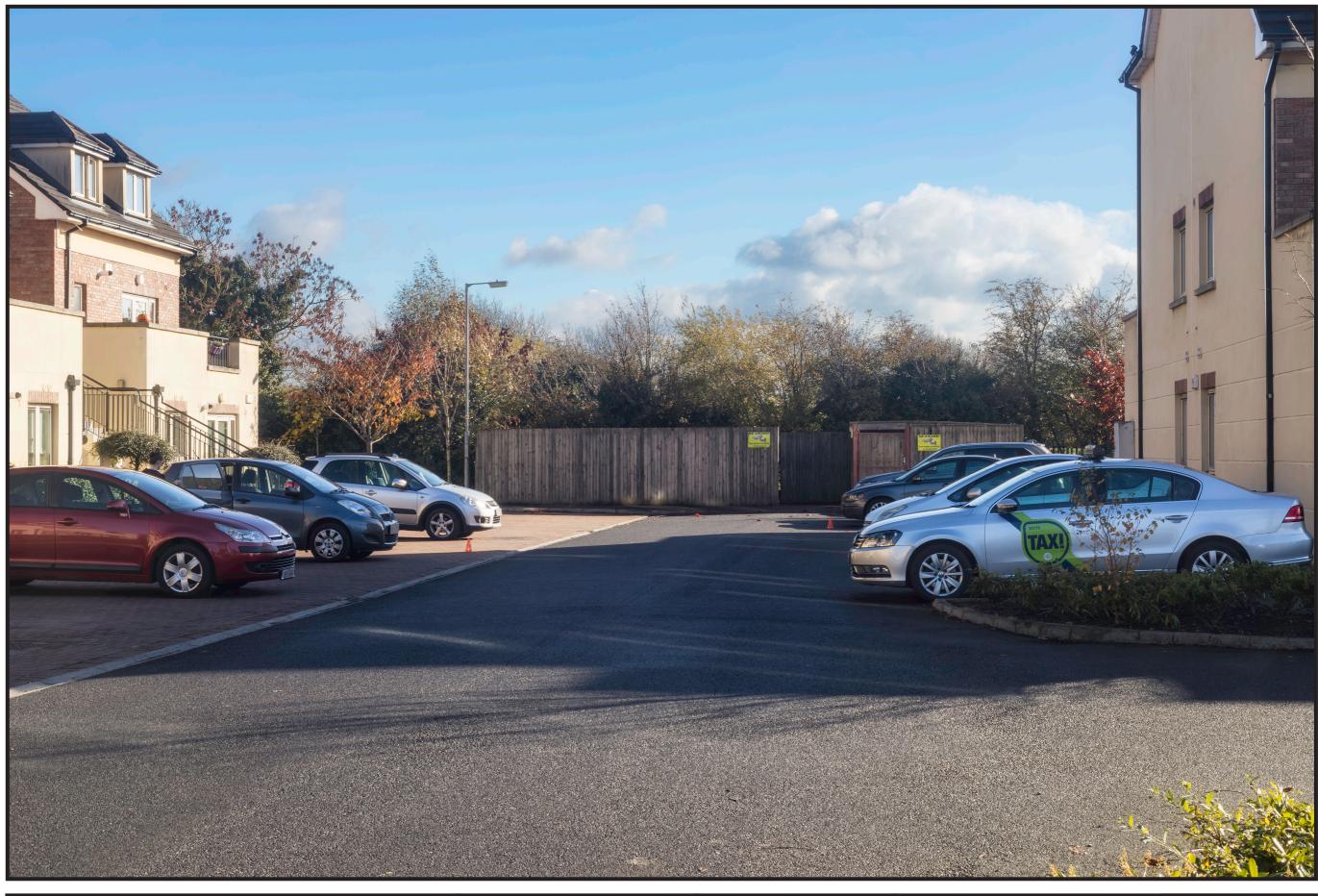


Name Status Reference:	PM01 Proposed From the front of 91 Brooklands looking to entrance East		Westar Investments Limited	Camera location 688144, 727929, 67.1 Target Direction	Camera Can Lens Can HView Angle Nom Date/Time: 01/1
Lands at Capdoo & Abbeylands, Clane, Co. Kildare		Rev: 0	Linited	688294, 727930, 67.2	Recommended vi

11/2018 13:31

iewing distance with both eyes is 500mm.

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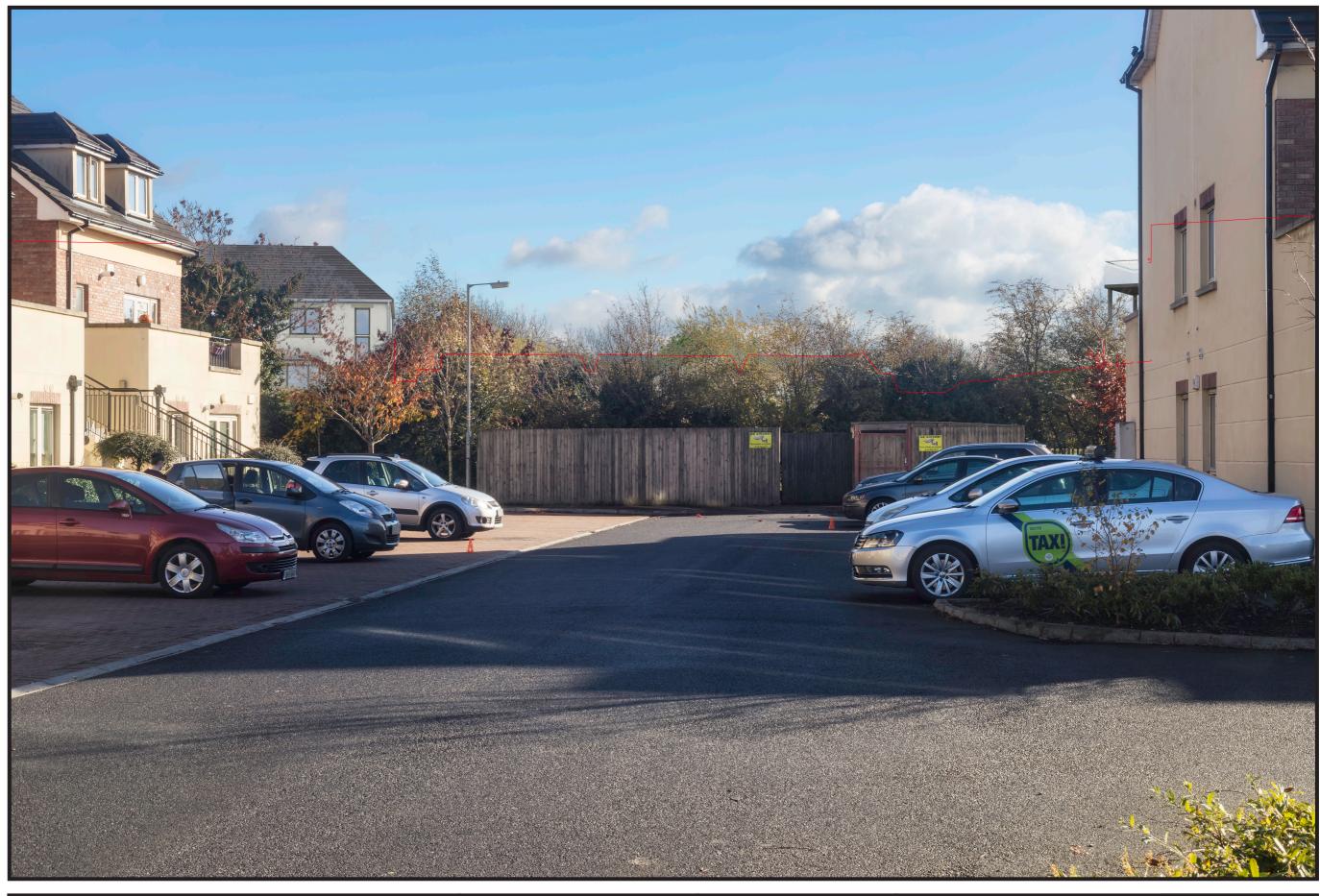


NamePM02StatusExistingReference:From the rear of 34 Brooklands looking South East		Investments	Camera location 688179, 728042, 67.3 Target Direction	Camera Cano Lens Cano HView Angle Nom Date/Time: 01/1
Lands at Capdoo & Abbeylands, Clane, Co. Kildare	Rev: 0	Linited	688296, 727948, 67.9	Recommended vie

1/2018 13:52

Chris Shackleton Consulting

ewing distance with both eyes is 500mm.



Name Status Reference:	PM02 Proposed From the rear of 34 Brooklands looking South East		Westar Investments	Camera location 688179, 728042, 67.3 Target Direction	Camera Cano Lens Cano HView Angle Nom Date/Time: 01/1
Lands at Ca Clane, Co. K	pdoo & Abbeylands, Kildare	Rev: 0	Linited	688296, 727948, 67.9	Recommended vie

1/2018 13:52

Chris Shackleton Consulting

ww.shackl

ewing distance with both eyes is 500mm.



Name Status Reference:	PM03 Existing From park in front of 114 Brooklands looking North East		Westar Investments Limited	Camera location 688255, 727827, 67.5 Target Direction	Camera Can Lens Can HView Angle Nom Date/Time: 01/1
Lands at Capdoo & Abbeylands, Clane, Co. Kildare		Rev: 0	Linited	688345, 727947, 67.1	Recommended vi

11/2018 14:02

Chris Shackleton Consulting

iewing distance with both eyes is 500mm.



Name Status Reference:	PM03 Proposed From park in front of 114 Brooklands looking North East		Westar Investments Limited	Camera location 688255, 727827, 67.5 Target Direction	Camera Can Lens Can HView Angle Nom Date/Time: 01/1
Lands at Capdoo & Abbeylands, Clane, Co. Kildare		Rev: 0	Linited	688345, 727947, 67.1	Recommended vi

11/2018 14:02

Chris Shackleton Consulting

iewing distance with both eyes is 500mm.



Name PM04 Status Existing Reference: From pa looking	ark in front of 131 Brooklands		Westar Investments	Camera location 688324, 727759, 67.7 Target Direction	Camera Lens HView Angle Date/Time:	Cano Cano Nom 01/1 ⁷
Lands at Capdoo & Al Clane, Co. Kildare	bbeylands,	Rev: 0	Linited	688380, 727898, 68.3	Recommend	

11/2018 14:17

iewing distance with both eyes is 500mm.



Name PM04 Status Proposed Reference: From park in front of looking North	131 Brooklands	Westar Investments Limited	Camera location 688324, 727759, 67.7 Target Direction	Camera Lens HView Angle Date/Time:	Cano Cano Nom
Lands at Capdoo & Abbeylands, Clane, Co. Kildare	Rev: 0	Linned	688380, 727898, 68.3	Recommende	

11/2018 14:17

iewing distance with both eyes is 500mm.



Name Status Reference:	PM05 Existing From park in front of 107 Alexandra Walk looking North		Westar Investments Limited	Camera location 688435, 727598, 67.6 Target Direction	Camera Can Lens Can HView Angle Nom Date/Time: 21/1
Lands at Ca Clane, Co. K	odoo & Abbeylands, ildare	Rev: 0	Linited	688427, 727752, 67.8	Recommended vi

0/2019 10:46

ewing distance with both eyes is 500mm.

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Name Status Reference:	PM05 Proposed From park in front of 107 Alexandra Walk looking North		Westar Investments Limited	Camera location 688435, 727598, 67.6 Target Direction	Camera Can Lens Can HView Angle Nom Date/Time: 21/1
Lands at Ca Clane, Co. K	pdoo & Abbeylands, ildare	Rev: 0	Linited	688427, 727752, 67.8	Recommended vie

10/2019 10:46

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Chris Shackleton Consulting

iewing distance with both eyes is 500mm.



Name PM06 Status Existing Reference: From Lidl Carpark looking South East		Westar Investments Limited	Camera location 688109, 728293, 67.1 Target Direction	Camera Can Lens Can HView Angle Non Date/Time: 01/1
Lands at Capdoo & Abbeylands, Clane, Co. Kildare	Rev: 0	Linited	688180, 728161, 68.1	Recommended vi

non 6D Mk 2 non EF 50mm minal 40 degrees 211/2018 15:58 viewing distance with both eyes is 500mm.



Name PM06 Status Proposed Reference: From Lidl Carpark looking South East		Westar Investments Limited	Camera location 688109, 728293, 67.1 Target Direction	Camera Can Lens Can HView Angle Non Date/Time: 01/1
Lands at Capdoo & Abbeylands, Clane, Co. Kildare	Rev: 0	Linited	688180, 728161, 68.1	Recommended vi

non 6D Mk 2 non EF 50mm minal 40 degrees 11/2018 15:58 Chris Shackleton Consulting

iewing distance with both eyes is 500mm.



Name Status Reference:	PM07 Existing Local road East across Liffey looking West		Westar Investments Limited	Camera location 688798, 727703, 67.1 Target Direction	Camera Can Lens Can HView Angle Non Date/Time: 11/1
Lands at Ca Clane, Co. k	ipdoo & Abbeylands, Kildare	Rev: 0	Linited	688283, 727794, 68.1	Recommended vi

10/2019 10:15

iewing distance with both eyes is 500mm.

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Name Status Reference:	PM07 Proposed Local road East across Liffey looking West		Westar Investments Limited	Camera location 688798, 727703, 67.1 Target Direction	Camera Car Lens Car HView Angle Nor Date/Time: 11/ ²
Lands at Ca Clane, Co. k	ipdoo & Abbeylands, Kildare	Rev: 0	Linited	688283, 727794, 68.1	Recommended v

10/2019 10:15

iewing distance with both eyes is 500mm.

www.shackleton.ie



Name PM08 Status Existing Reference: On R403 looking South		Westar Investments Limited	Camera location 688409, 728547, 66.1 Target Direction	Camera Cano Lens Cano HView Angle Nomi Date/Time: 11/10
Lands at Capdoo & Abbeylands, Clane, Co. Kildare	Rev: 0	Linited	688481, 728164, 67.0	Recommended vie

10/2019 10:41

iewing distance with both eyes is 500mm.

www.shackleton.ie



Name PM08 Status Proposed Reference: On R403 looking South		Westar Investments Limited	Camera location 688409, 728547, 66.1 Target Direction	Camera Cano Lens Cano HView Angle Nomi Date/Time: 11/10
Lands at Capdoo & Abbeylands, Clane, Co. Kildare	Rev: 0	Linited	688481, 728164, 67.0	Recommended vie

10/2019 10:41

iewing distance with both eyes is 500mm.

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Photomontage Methodology / Method Statement

Work has been completed in accordance with best practice guidelines a summary of which are provided below.

Preparation

Prior to site visit camera locations were identified and located on digital map to enable GPS routing to the correct locations. The site was "scouted" for access using Google Streetview (c) Google.

Photography

- Photographs were taken on site at locations specified using a high-resolution professional digital camera. The Camera a Canon 6D is a full frame format (which corresponds to a traditional 35mm film format) as recommended by best practice guidelines.
- Images will be taken in RAW format which provides the maximum flexibility in adjustment along with ٠ the best quality available, and with bracketed exposure. The images were stored with embedded camera/photo exif data.
- The camera was tripod mounted, spirit leveled and set at a nominal 1.6m above ground level
- The lens used as a Canon prime (fixed) 50mm or normal lens. The 50mm lens provides a similar magnification to the human eye and will provide an image which is accepted.

Control

A series of survey points were captured on site for each photograph using Trimble R8 survey grade RTK-GPS. The following were measured:

- The camera position, plan and height
- Measured points of detail visible when the photograph was taken. On streetscape scenes points of detail (corners of buildings, poles, sign, white lines, structures, etc) are surveyed to provide an accurate orientation base where insufficient existing detail is available we supplement with either with red/white ranging rods or smaller orange cones placed in the camera's field of view while taking the photograph.
- Regardless of the type of control the configuration shall be non-collinear with a good photogrammetric geometry. This ensures that computational analysis is convergent.

Setting up AVR Images

- Survey and OS mapping is imported into 3D software
- A calibrated virtual 50mm camera is created to match the physical one used to capture the image. These are snapped to the surveyed locations. The individual photograph frames are loaded into the viewport.
- Using in-built software algorithms the virtual camera is adjusted so the points of detail on the • photograph and the surveyed points in real-life coalesce in the camera viewport. Once complete the virtual camera will be orientated so that it is identical to the physical camera that took the base photograph.
- Checks are made using the surveyed information and project mapping and cross referenced with the • photographs to ensure they align.
- A Daylight system is then accurately introduced into the scene at it correct geo-referenced ٠ coordinates. Once the time/date and time zone is set the digital sky will match the position of the sun and shadows created by the same in the base photograph.

Verifiable Photomontage & Proposed development modelling

- The proposed development, structure, road works and earthworks is modeled up in 3D from the drawings provided by the Client / Design Team.
- The building is located in accordance with surveyed location and at the correct FFL.
- True life digital materials are designed and assigned to the 3D model elements using reference imagery provided by the client. Sophisticated real world rendering shaders are used in conjunction with the daylight system to produce final renders which will react in a verifiable manner to match the reference photographic base images.
- Finally, the new development image and the existing original photograph are merged with due care for any demolitions/removals, foreground / background existing objects, landscaping, lighting, shadows, etc. to produce a single believable and verifiable composite image.

Viewing instructions

These images are designed to be printed at A3 and taken to site to evaluate the impact of the development.

Images should be viewed with both eyes open from the locations indicated and held 500mm from the viewers eves. (Arms length). When held at arms length the viewer should be able to effectively focus not only on the photomontage in hand but also on the surrounding landscape which will give them a much wider field of view.

When used in this fashion the existing landscape will line-up and the photomontage will provide similar perspective and thus enable the viewer to visually evaluate the proposal.



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