

Appendix 2



Verified Photomontages

The Views



Baseline photo

V002 On Malton Avenue

OS reference: 495795.092E 180999.292N
Ground level: 30.825m AOD,
Direction of view: Looking WNW
Nearest feature: 144.5m to nearest site boundary

Horizontal field of view: 73.6° (planar projection)
Paper size: A1,
Correct printed images size: 812 x 542mm (A1)
View flat at comfortable arm's length

Camera: Canon EOS 5DS
Lens: 24mm,
Camera Height: 1.6m AGL
Date and time: 07/04/2021 13:55



Photomontage AVR3

V002 On Malton Avenue

OS reference: 495795.092E 180999.292N
 Ground level: 30.825m AOD,
 Direction of view: Looking WNW
 Nearest feature: 144.5m to nearest site boundary

Horizontal field of view: 73.6° (planar projection)
 Paper size: A1,
 Correct printed images size: 812 x 542mm (A1)
 View flat at comfortable arm's length

Camera: Canon EOS 5DS
 Lens: 24mm,
 Camera Height: 1.6m AGL
 Date and time: 07/04/2021 13:55



Excerpt for 50mm lens equivalent

V002 On Malton Avenue

OS reference: 495795.092E 180999.292N
Ground level: 30.825m AOD,
Direction of view: Looking WNW
Nearest feature: 144.5m to nearest site boundary

Horizontal field of view: 39.6° (planar projection)
Paper size: A3,
Correct printed images size: 390 x 260mm (A3)
View flat at comfortable arm's length

Camera: Canon EOS 5DS
Lens: 24mm showing 50mm clip
Camera Height: 1.6m AGL
Date and time: 07/04/2021 13:55



Baseline photo

V008 On pedestrian bridge

OS reference: 495575.28E 180993.802N
Ground level: 34.567AOD,
Direction of view: Looking N
Nearest feature: 83.7m to nearest corner of prop.

Horizontal field of view: 73.6° (planar projection)
Paper size: A1,
Correct printed images size: 812 x 542mm (A1)
View flat at comfortable arm's length

Camera: Canon EOS 5DS
Lens: 24mm,
Camera Height: 1.6m AGL
Date and time: 04/04/2021 12:01



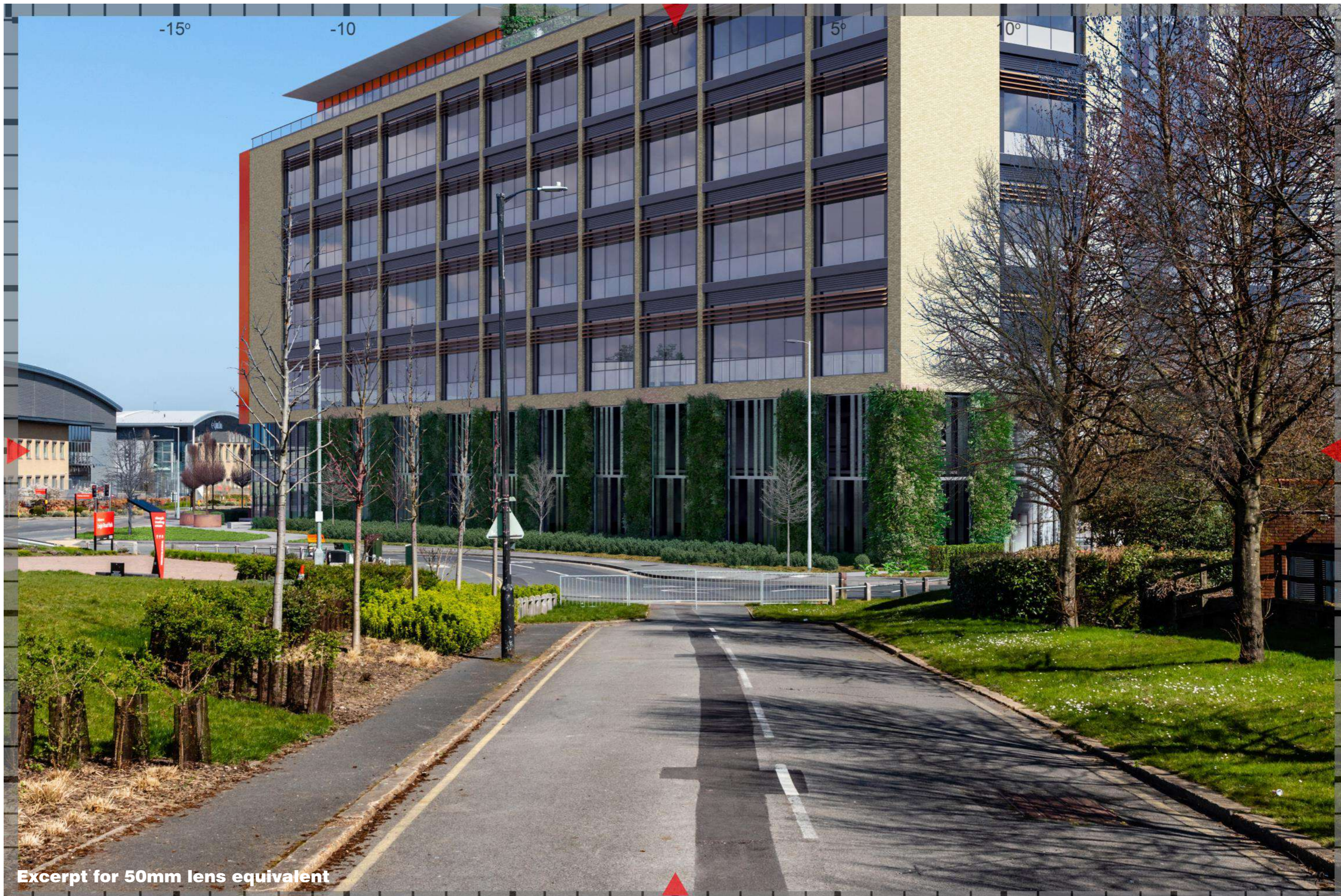
Photomontage AVR3

V008 On pedestrian bridge

OS reference: 495575.28E 180993.802N
Ground level: 34.567AOD,
Direction of view: Looking N
Nearest feature: 83.7m to nearest corner of prop.

Horizontal field of view: 73.6° (planar projection)
Paper size: A1,
Correct printed images size: 812 x 542mm (A1)
View flat at comfortable arm's length

Camera: Canon EOS 5DS
Lens: 24mm,
Camera Height: 1.6m AGL
Date and time: 04/04/2021 12:01



Excerpt for 50mm lens equivalent

V008 On pedestrian bridge

OS reference: 495575.28E 180993.802 N
Ground level: 34.567AOD,
Direction of view: Looking N
Nearest feature: 83.7m to nearest corner of prop.

Horizontal field of view: 39.6° (planar projection)
Paper size: A3
Correct printed images size: 390 x 260mm (A3)
View flat at comfortable arm's length

Camera: Canon EOS 5DS
Lens: 24mm showing 50mm clip
Camera Height: 1.6m AGL
Date and time: 04/04/2021 12:01



Baseline photo

V018 Bedford Avenue - adjacent to Tower Pros building entrance

OS reference: 495427.162E 181094.016N
Ground level: 32.282m AOD,
Direction of view: Looking ESE
Nearest feature: 83.7m to nearest corner of prop.

Horizontal field of view: 73.6° (planar projection)
Paper size: A1,
Correct printed images size: 812 x 542mm (A1)
View flat at comfortable arm's length

Camera: Canon EOS 5DS
Lens: 24mm,
Camera Height: 1.6m AGL
Date and time: 04/04/2021 15:06



Photomontage AVR3

V018 Bedford Avenue - adjacent to Tower Pros building entrance

OS reference: 495427.162E 181094.016N
Ground level: 32.282mAOD,
Direction of view: Looking ESE
Nearest feature: 83.7m to nearest corner of prop.

Horizontal field of view: 73.6° (planar projection)
Paper size: A1,
Correct printed images size: 812 x 542mm (A1)
View flat at comfortable arm's length

Camera: Canon EOS 5DS
Lens: 24mm,
Camera Height: 1.6m AGL
Date and time: 04/04/2021 15:06



Excerpt for 50mm lens equivalent

V018 Bedford Avenue - adjacent to Tower Pros building entrance

OS reference: 495427.162E 181094.016N
 Ground level: 32.282mAOD,
 Direction of view: Looking ESE
 Nearest feature: 83.7m to nearest corner of prop.

Horizontal field of view: 39.6° (planar projection)
 Paper size: A3
 Correct printed images size: 390 x 260mm (A3)
 View flat at comfortable arm's length

Camera: Canon EOS 5DS
 Lens: 24mm showing 50mm clip
 Camera Height: 1.6m AGL
 Date and time: 04/04/2021 15:06



Baseline photo

V023 On Buckingham Avenue on corner of Edmundson Electrical

OS reference: 495434.982E 181230.4N
Ground level: 31.703 AOD,
Direction of view: Looking ESE
Nearest feature: 186.25m to nearest corner of prop.

Horizontal field of view: 73.6° (planar projection)
Paper size: A1,
Correct printed images size: 812 x 542mm (A1)
View flat at comfortable arm's length

Camera: Canon EOS 5DS
Lens: 24mm,
Camera Height: 1.6m AGL
Date and time: 04/04/2021 15:15



Photomontage AVR3

V023 On Buckingham Avenue on corner of Edmundson Electrical

OS reference: 495434.982E 181230.4N
Ground level: 31.703 AOD,
Direction of view: Looking ESE
Nearest feature: 186.25m to nearest corner of prop.

Horizontal field of view: 73.6° (planar projection)
Paper size: A1,
Correct printed images size: 812 x 542mm (A1)
View flat at comfortable arm's length

Camera: Canon EOS 5DS
Lens: 24mm,
Camera Height: 1.6m AGL
Date and time: 04/04/2021 15:15



Excerpt for 50mm lens equivalent

V023 On Buckingham Avenue on corner of Edmundson Electrical

OS reference: 495434.982E 181230.4N
 Ground level: 31.703 AOD,
 Direction of view: Looking ESE
 Nearest feature: 186.25m to nearest corner of prop.

Horizontal field of view: 39.6° (planar projection)
 Paper size: A3
 Correct printed images size: 390 x 260mm (A3)
 View flat at comfortable arm's length

Camera: Canon EOS 5DS
 Lens: 24mm showing 50mm clip
 Camera Height: 1.6m AGL
 Date and time: 04/04/2021 15:15



Baseline photo

V029 On Liverpool Rd, adjacent to gap between Equinox and Cyrus One buildings

OS reference: 495622.783E 181303.025N
Ground level: 31.284 AOD,
Direction of view: Looking SSW
Nearest feature: 142.16m to site boundary

Horizontal field of view: 73.6° (planar projection)
Paper size: A1,
Correct printed images size: 812 x 542mm (A1)
View flat at comfortable arm's length

Camera: Canon EOS 5DS
Lens: 24mm,
Camera Height: 1.6m AGL
Date and time: 04/04/2021 15:25



Photomontage AVR3

V029 On Liverpool Rd, adjacent to gap between Equinox and Cyrus One buildings

OS reference: 495622.783E 181303.025N
 Ground level: 31.284 AOD,
 Direction of view: Looking SSW
 Nearest feature: 142.16m to site boundary

Horizontal field of view: 73.6° (planar projection)
 Paper size: A1,
 Correct printed images size: 812 x 542mm (A1)
 View flat at comfortable arm's length

Camera: Canon EOS 5DS
 Lens: 24mm,
 Camera Height: 1.6m AGL
 Date and time: 04/04/2021 15:25



Excerpt for 50mm lens equivalent

V029 On Liverpool Rd, adjacent to gap between Equinox and Cyrus One buildings

OS reference: 495622.783E 181303.025N
 Ground level: 31.284 AOD,
 Direction of view: Looking SSW
 Nearest feature: 142.16m to site boundary

Horizontal field of view: 39.6° (planar projection)
 Paper size: A3,
 Correct printed images size: 390 x 260mm (A3)
 View flat at comfortable arm's length

Camera: Canon EOS 5DS
 Lens: 24mm showing 50mm clip
 Camera Height: 1.6m AGL
 Date and time: 04/04/2021 15:25



Baseline photo

V037 On Buckingham Avenue, point next to inspection covers in front of new building

OS reference: 495751.013E 181146.046N
Ground level: 31.013 AOD,
Direction of view: Looking WNW
Nearest feature: 142.16m to site boundary

Horizontal field of view: 73.6° (planar projection)
Paper size: A1,
Correct printed images size: 812 x 542mm (A1)
View flat at comfortable arm's length

Camera: Canon EOS 5DS
Lens: 24mm,
Camera Height: 1.6m AGL
Date and time: 04/04/2021 10.45



Photomontage AVR3

V037 On Buckingham Avenue, point next to inspection covers in front of new building

OS reference: 495751.013E 181146.046N
Ground level: 31.013 AOD,
Direction of view: Looking WNW
Nearest feature: 142.16m to site boundary

Horizontal field of view: 73.6° (planar projection)
Paper size: A1,
Correct printed images size: 812 x 542mm (A1)
View flat at comfortable arm's length

Camera: Canon EOS 5DS
Lens: 24mm,
Camera Height: 1.6m AGL
Date and time: 04/04/2021 10.45



Excerpt for 50mm lens equivalent

V037 On Buckingham Avenue, point next to inspection covers in front of new building

OS reference: 495751.013E 181146.046N
 Ground level: 31.013 AOD,
 Direction of view: Looking WNW
 Nearest feature: 142.16m to site boundary

Horizontal field of view: 39.6° (planar projection)
 Paper size: A3,
 Correct printed images size: 390 x 260mm (A3)
 View flat at comfortable arm's length

Camera: Canon EOS 5DS
 Lens: 24mm showing 50mm clip,
 Camera Height: 1.6m AGL
 Date and time: 04/04/2021 10.45

Methodology

The Emperor Vision (EV) team has been producing computer generated photomontages for the property industry for over 26 years and first became involved with establishing accurate and verifiable views at a Public Inquiry over windfarms in Cornwall in 1999. Since then we have worked on numerous projects where accurate visual representation has been required and seen the evolution of attempts at defining standard procedures. There is currently no universally adopted methodology but the two following documents are usually referred to and their specific advice often followed.

These are:

Guidelines of Landscape and Visual Assessment produced by the Landscape Institute and Institute of Environmental Management and Assessment in 2013 (the Third Edition)

And

London View Management Framework (or LVMF) (March 2012).

The former has a published *Technical Guidance Note 06/19* which we are also taking into account.

The latter document was conceived to protect key views across the capital from parks and other well used public spaces but Appendix C gives a very clear account of considerations for accurate and verifiable views in order produce such assessments that can be universally agreed as accurate.

Our methodology generally conforms with these documents. Although in this exercise we have used a 24mm lens to place the project in a wider representation of the immediate context. All six images are produced to AVR Level 3 representation.

Discussion and overview of Emperor Vision’s methodology.

1 - Definition of locations. These were defined by the project team and its Planning advisors Barton Willmore in conjunction with specific requirements from the Local Planning Authority (LPA). Barton Willmore presented EV with an overall viewpoint plan and specific contact sheet pans in order to deduce the location the six preferred viewing points. Each image was also marked with the desired centre of view.

2 – Reconnaissance. EV visited the site on the 13th of March to take reference photos and establish the camera positions most closely resembling the images prescribed in the supplied briefing document. This recce and subsequent photography were carried out in mixed conditions. Its purpose is to determine and then record the exact viewpoints to take the baseline photos from, as well as provide the base for the mark up documents for the survey team. As there may be many different shots from all points of the compass, then some will require taking at certain times of day under favourable weather conditions in order to produce the most attractive and compelling result. So the photographer will return at other times in order to take the photographs that will actually be used in the exercise.

3 – The viewpoints. Once these have been determined through the process at 2, the position of the camera is recorded photographically and by leaving paint marks on the ground, enabling the surveyor and following professional photographer to subsequently locate the exact spot. On returning to take the actual shots, the photographer and equipment record the exact location, height, angle, time, direction and vertical shift (if appropriate) for each shot. When using physically accurate mathematical models of sunlight, it is also useful to record apertures, shutter speeds and so on as these can be reflected when creating a ‘camera’ in the computer model that matches the real world one.

The view points and descriptions as briefed in the Pre-App document are as follows

View Number	View description	AVR Type
V002	On Malton Avenue	AVR3
V008	On pedestrian bridge	AVR3
V018	Bedford Avenue - adjacent to Tower Pros building entrance	AVR3
V023	On Buckingham Avenue on corner of Edmundson Electrical	AVR3
V029	On Liverpool Rd, adjacent to gap between Equinox and Cyrus One buildings	AVR3
V037	On Buckingham Avenue, point next to inspection covers in front of new building	AVR3

4 – The survey. This is a vital and important part of the operation. From the shots recorded during the reconnaissance, we marked a total of 55 points on the photos that require surveying and the recording of their three dimensional coordinates to the Ordnance Survey datum.

A topographical survey of the project site was supplied by the client in CAD format and the specific survey points for this operation were imported to the same document as 3D loci. It is important we select points both near and far, high and low, to ensure that visual parallax is given enough range to correctly determine a virtual camera corresponding to the same points as seen by the real camera. Parallax is an apparent displacement or difference in the perceived position of an object viewed along different lines of sight. This means that if the widely divergent points recorded are all seen in the same position in the virtual camera as they are on the real one, then no other camera position is possible, as the parallax effect would mean you would have to see those points in different positions relative to each other than those recorded. This is the crux of the verifiable part of the procedure.

The data from the surveyor was supplied as a set of vertex points in three dimensional space (within CAD) corresponding to the OS datum – overlaid into the file of the original topographical survey to OS datum.

5 – The model. The computer model of the proposed was built from CAD drawings supplied by Langley Hall architects, located within the same OS topographical survey with given floor levels, again corresponding to OS datum. The accurate model was created using Autodesk’s 3D Studio Max software, utilising the Chaos Group V-ray shader software. As the project model is positioned in its correct location in respect of this reference, when the survey data and model are merged into the same virtual space then the model is in its correct position relative to all the many points surveyed.

EV were also instructed to model the neighbouring site at 110 Buckingham Avenue. As the project was substantially through the build at the time of these image creations, adding them in to the proposed AVRs was deemed necessary. Langley Hall were the architects for this building too.

A wealth of landscape information was provided by Viewpoint Associates LLP. Layouts for planting and specific species information, sizes, and appearance at the time of year to match the date of taking the baseline photos (early April)

6 – Creating the virtual cameras. The 3D modelling software utilises an excellent camera matching routine by recording the number of survey points relevant to each view as shown on a photo and then mathematically deduces, using the parallax phenomenon, where a camera must be located if it is to see all of those points in that position. The camera can be arrived at by eye as well, moving the virtual camera around in the model until again all the surveyed points are seen in exactly the same relative position as the host photograph. Whichever method is employed, the end result will be the same. It has to be, due the parallax phenomenon. This means that when the model is rendered to the same pixel dimensions as the host photograph and dropped into place, it is showing its AVR Level 0 form in exactly the correct position. It is then down the operator to mask out the image where foreground buildings will sit in front of the render and so forth to deliver the various LVMF levels of representation. The sunlight models employed will be set so they are illuminating the exact latitude and longitude of the site, and will also be adjusted to match the time of day for each photograph in order to present perfectly matching sunlight conditions for the higher levels of AVR.

All the camera matching for this project was created using the 3DS Max camera-match feature utilising between eight and twelve match points per view.

7 – AVR Levels. The images submitted are all to AVR 3, i.e. a photorealistic view that confirms the use and appearance of materials. We entered into specific discussions with the architects to ensure the materials shown actually look as conceived by them as well as sourcing other images of the materials in use on real built buildings so there is no doubt that our work is not only dimensionally accurate in terms of where the building is shown, but is also experientially accurate in how it actually

looks and feels.

V002, V018, V023 and V037 also illustrate the proposed neighbouring building at 110 Buckingham Avenue, under construction at the time of writing, also to AVR3 level.

110 is not visible in the other two views.

8 - Photography. In line with the general guidance all our work is carried out to 35mm format SLR photography dimensions. The camera was placed on a levelled tripod with a consistent 1600 mm height from the surveyed ground point. Due to the tight urban nature of the site on the Slough Trading Estate, it was agreed with Barton Willmore to use fixed 24mm lens for all the images.

A 48% (the shorter focal length divided by the longer) crop of the middle of each shot is also shown here to illustrate what would be seen with a 50mm lens. From these it can be seen the necessity of using a much wider angle to give a broader context to assessing the visual impact of the new building.

Five of the photos were taken on April 4th 2021. However, viewpoint V002 was obscured by a parked HGV with no driver in attendance. It was arranged with Segro to cone off the space to allow for a second visit on April 7th 2021. There are different weather conditions for this shot.

9 - Survey

A briefing document was prepared for the survey team marking out all the survey points required along with photographs of the chosen camera positions. Photographs representing the proposed shots were marked up with numbered survey points, and a written list describing more accurately each point was also furnished for clarity and understanding of exactly which items coordinates were required.

The survey team used a Leica TS15i 1 Second Imaging Robotic Total Station .

The results provided to emperor vision in a 3D AutoCAD file with loci at each of the survey points making it simple to 3D snap the Camera-match points from the 3DS Max software to.

10 - Summary of Data

10A - Photography

Position Description View type Easting Northing Level Focal length FOV (deg) Time taken

View Num-	View description	AVR Type	Easting	Northing	Level (m)	Focal Length	FOV deg	Time taken
V002	On Malton Avenue	AVR3	495795.092	180999.292	30.825	24	84	07/04/2021 13:55
V008	On pedestrian bridge	AVR3	495575.28	180993.802	34.567	24	84	04/04/2021 12:01
V018	Bedford Avenue - adjacent to Tower Pros building entrance	AVR3	495427.162	181094.016	32.282	24	84	04/04/2021 01:06
V023	On Buckingham Avenue on corner of Edmundson Electrical	AVR3	495434.982	181230.4	31.703	24	84	04/04/2021 15:15
V029	On Liverpool Rd, adjacent to gap between Equinox and Cyrus One buildings	AVR3	495622.783	181303.025	31.284	24	84	04/04/2021 15:25
V037	On Buckingham Avenue, point next to inspection covers in front of new building	AVR3	495751.013	181146.046	31.013	24	84	04/04/2021 10:45

10B— Survey Points

Locations and descriptions of survey points, as shown on survey reference points, listed in table on following pages.

Survey Point Descriptions for 183 Liverpool Road, Slough

Survey date 01/04/2021

		Easting	Northing	Level
V002				
1 outer corner of reveal to profiled cladding	P1	495773.119	181006.412	33.72
2 back of narrow kerb, junction with pavements to entrance	P2	495784.626	181004.273	30.804
3 top RH corner of pre-fab site hut	P3	495760.168	181014.524	34.358
4 top RH corner of lift overrun	P4	495545.1	181113.106	47.671
5 top RH corner of reveal to middle of seven equal glazing bays	P5	495557.64	181128.261	43.907
6 bottom centre of lamppost				
7 furthest RH corner of utility cover in road	P7	495782.783	181013.097	30.701
8 outer furthest edge of roof soffit				
9 top of joint of high part of dropped kerb slope	P9	495781.586	181018.805	30.948
10 top of corner post to fence				
11 top centre of RH flue				
V008				
12 bottom of soffit corner to roof projection of barrel roofed building				
13 closest top corner of red Segro site signage	P13	495579.508	181093.325	34.077
14 ridge of right building on target site	P14	495595.528	181124.468	40.289
15 valley point between roofs of buildings on target site	P15	495593.238	181133.39	36.077
16 far right eave point of building on target site	P16	495621.526	181120.904	36.195
17 bottom centre of lamppost	P17	495583.739	181025.711	33.096
18 outer corner of louvre block to top of building on Buckingham avenue				
19 top of low timber signage post	P19	495600.26	181048.262	32.988
20 elbow in top rail of timber fence	P20	495595.129	181020.244	35.03
21 top rh corner of reveal to louvred doors to building down below and behind timber fence	P21	495607.218	181032.187	34.347
V018				
22 top close corner of SEGRO site sign	P22	495469.693	181098.069	34.346
23 far outer corner of hotel	P23	495547.354	181093.089	45.764
23A	P23A	495547.313	181093.075	45.781
24 bottom centre of lamppost	P24	495480.735	181093.301	32.582
25 corner of far pale brick building.				
26 corner of even further profile clad building				
27 furthest corner of utility inspection cover	P27	495524.613	181075.676	33.298
28 top RH corner of container unit				
29 top corner of building	P29	495465.089	181076.916	40.005
30 bottom corner of post to glazing return	P30	495469.669	181075.264	32.251
31 top LH corner of Robins & Day parking only sign	P31	495447.212	181081.958	33.545
V023				
32 closest corner of canopy projection				
33 bottom of sign post in grass	P33	495488.809	181213.676	32.17
34 closest top corner of red SEGRO estate totem	P34	495562.069	181167.875	39.171
35 closest RH corner of inspection cover	P35	495445.968	181227.054	31.604
36 furthest RH corner of inspection cover embedded in tactile paving	P36	495451.596	181222.517	31.668
37 closer corner of top of premiere inn building	P37	495551.767	181146.542	45.746
38 ridge point	P38	495476.657	181198.203	38.624
39 top LH corner of first louvre plate	P39	495471.24	181198.029	33.966
40 more distant ridge	P40	495499.216	181160.115	43.514

V029

- 41 internal spandrel corner at soffit level
- 42 lowest corner of brickwork wall
- 43 closest LH corner of gulley
- 44 closest corner of glass panelled building top
- 45 opposite corner further down the road
- 46 ridge of closest building on target site
- 47 centre bottom of nearest bollard
- 48 top LH corner of black site totem
- 49 closest LH corner of inspection cover near junction mouth
- 50 furthest RH corner of raised/angled inspection cover

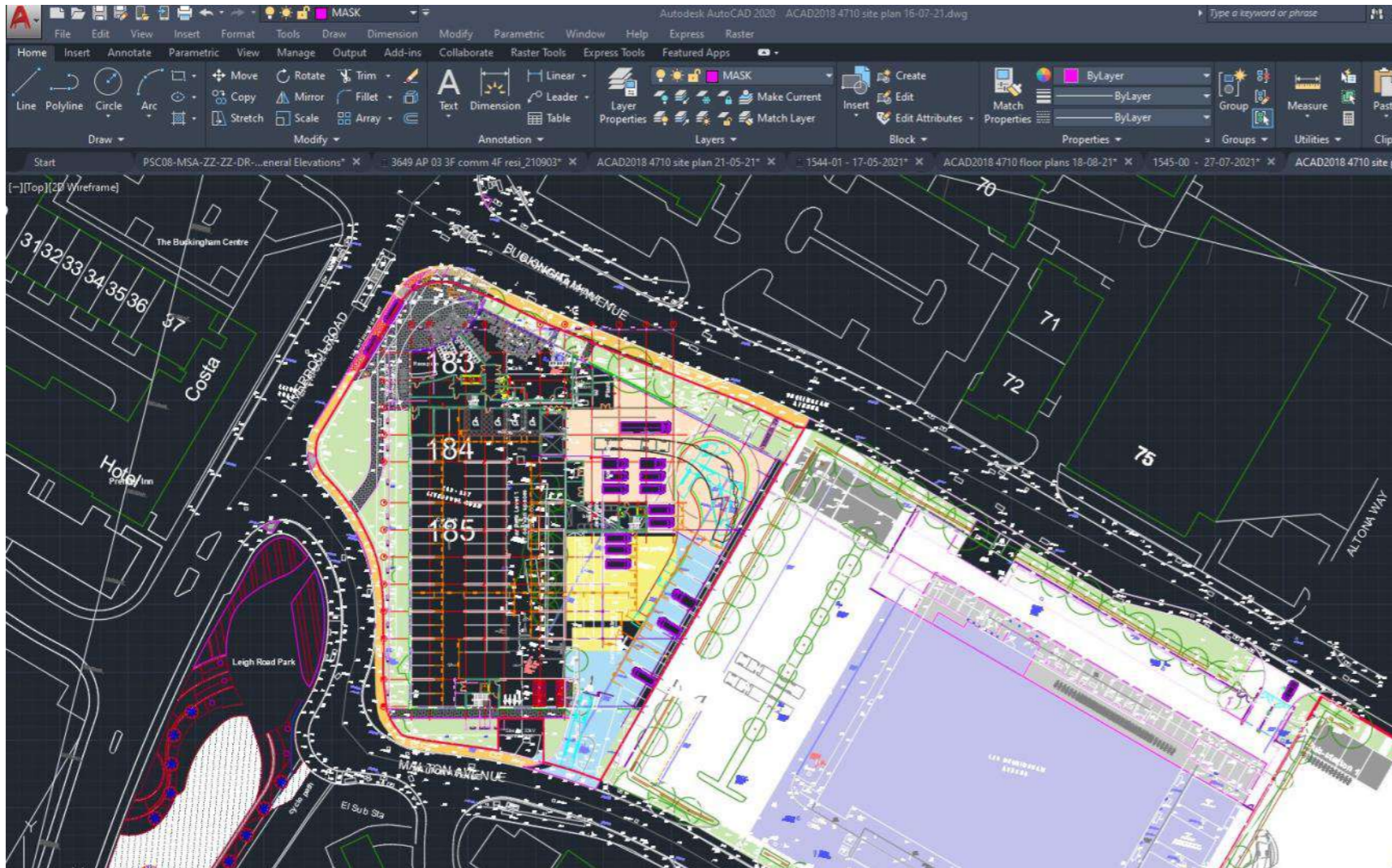
P41	495631.14	181247.508	35.005
P42	495627.794	181240.738	32.385
P43	495626.367	181289.876	31.098
P44	495615.055	181215.298	39.801

P46	495591.116	181142.261	40.726
P47	495594.017	181192.928	31.589
P48	495603.068	181240.542	33.288
P49	495621.754	181290.635	31.154
P50	495618.326	181293.597	31.8

- 51 LH closest corner of triple inspection covers
- 52 bottom centre of lamppost
- 53 top RH corner of red part of sign
- 54 furthest LH corner of inspection cover
- 55 furthest corner of glazed top of building
- 56 ridge to existing building
- 57 ridge to existing building

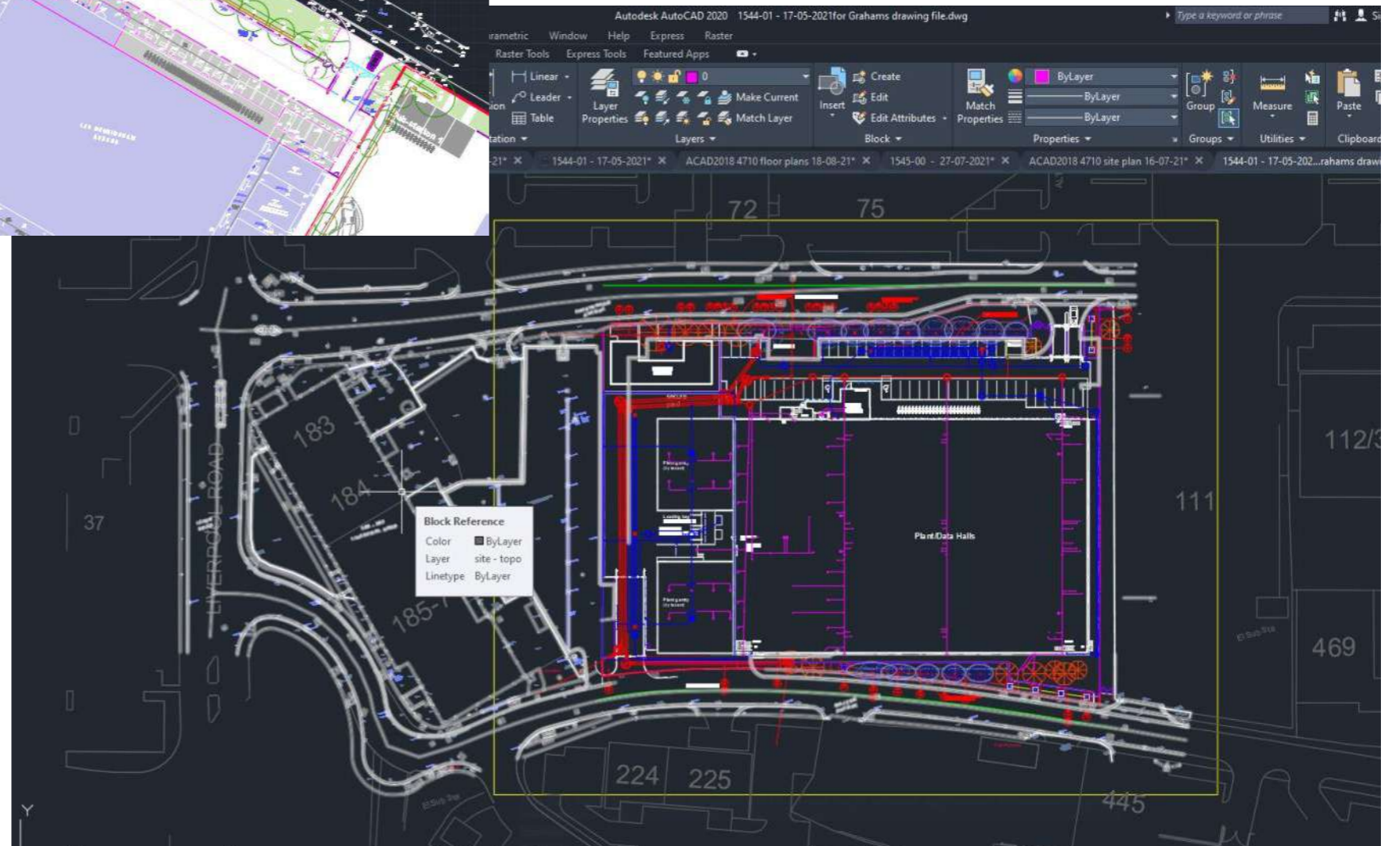
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P53	495668.16	181152.093	34.218
P54	495755.732	181145.843	31.106
P55	495714.442	181163.914	39.61
P56	495619.299	181130.256	40.77
P57	495614.974	181148.064	40.8

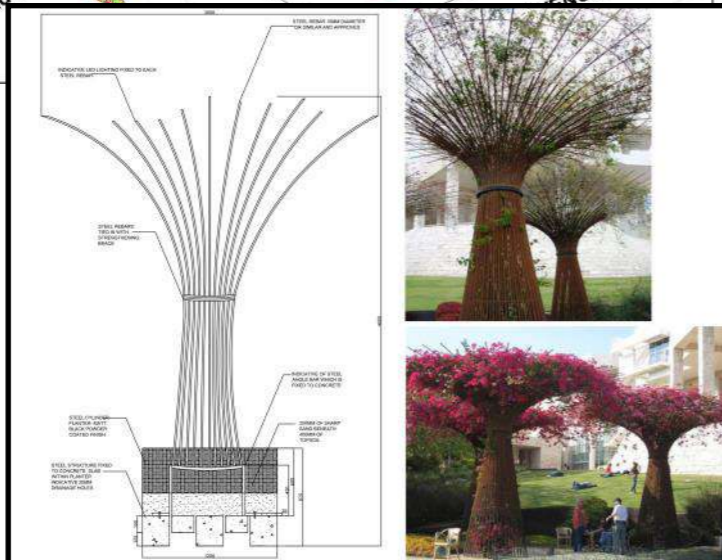
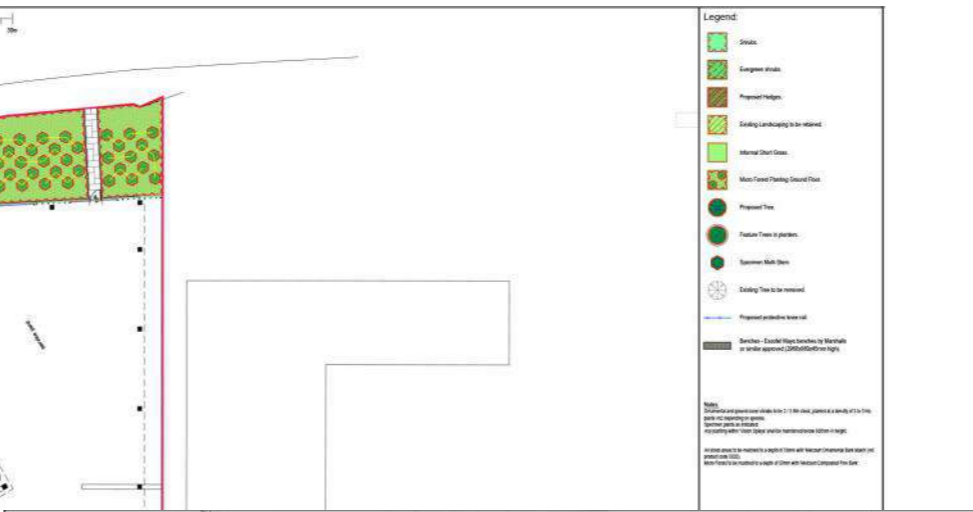
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Site plan of 110Buckingham Avenue located in topographical survey

Site plan of 183 Liverpool Road located in topographical survey



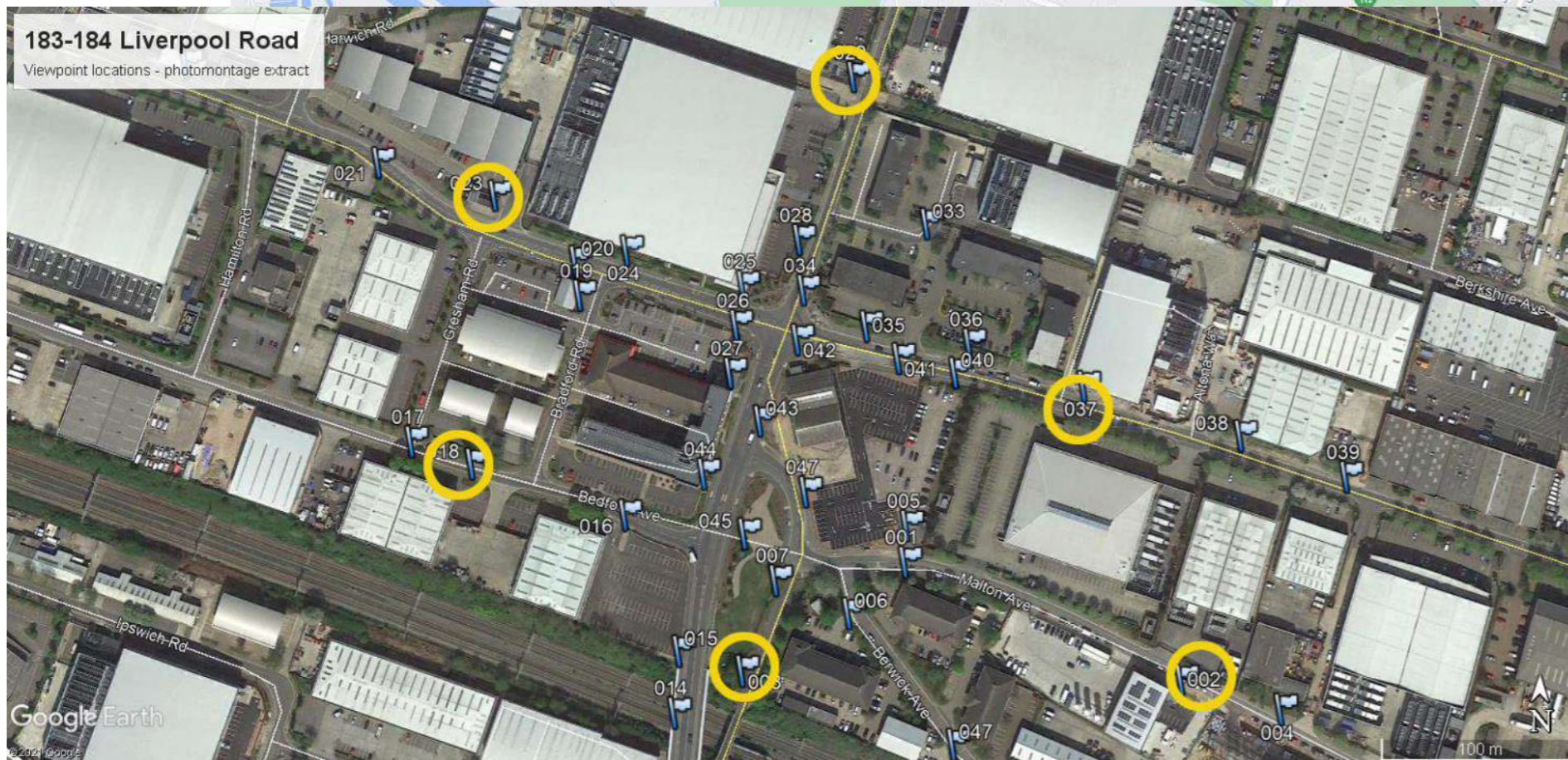
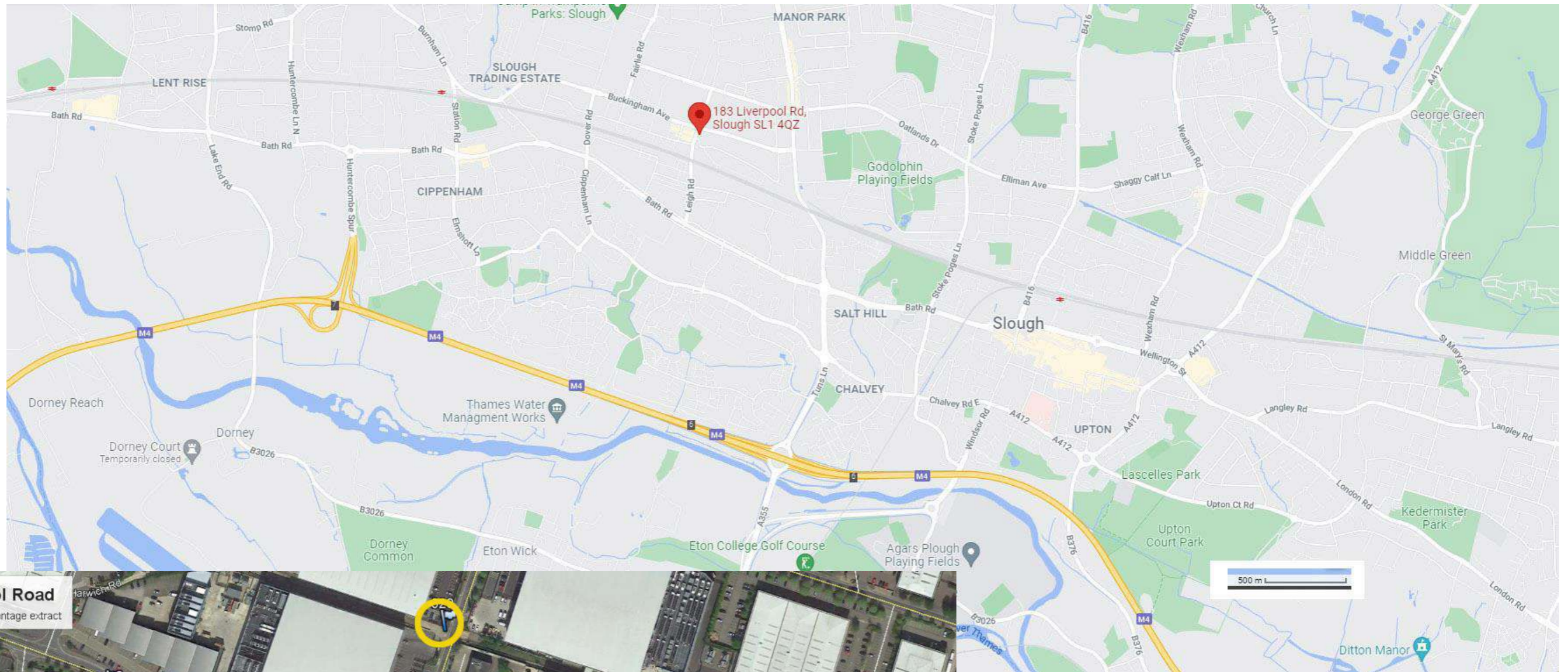


viewpoint associates llp
landscape, environmental & horticultural consultants

SEGRO
SEGRO V Park
Layout showing proposed hard & soft general arrangements.
6th Floor.

Project No.	1545-01bb	Site No.	183/187 Liverpool Road
Client	SEGRO	Scale	1:500
Date	07/04/2021	Author	EM
Drawn	EM	Checked	EM

1545-01bb



General location of site

Along with this general location plan, the surveyors were provided with photographs of the tripod at each location, positioned over survey marks left on the ground.

Satellite view showing the 6 camera locations



Base photo for montage

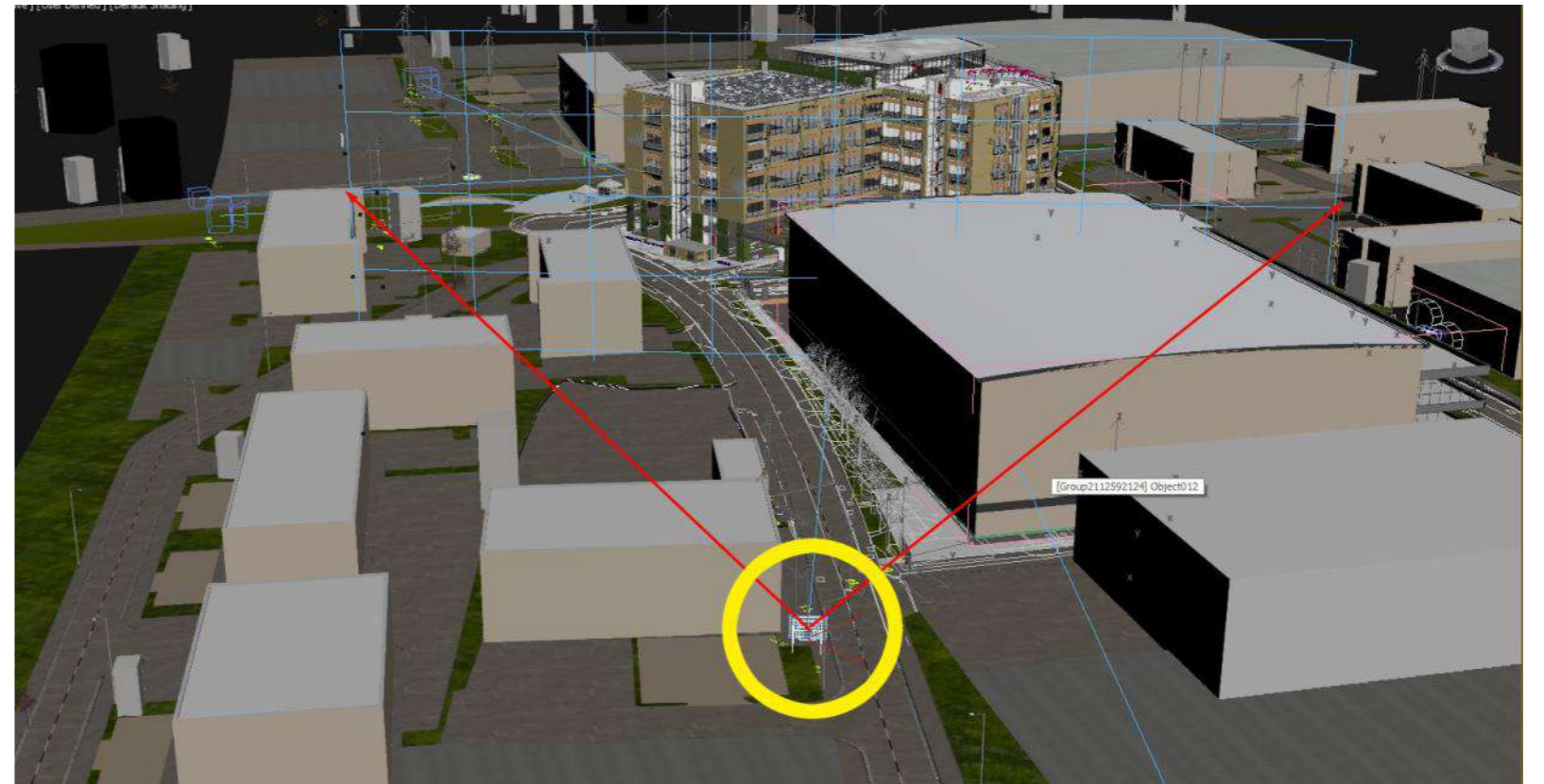


Required survey points marked up on host shot



Record of camera location for surveyor

Camera location in model—on survey point





Model viewport shows 3D model survey points aligned to marked up base photo from within the deduced camera

Render of model only from deduced camera



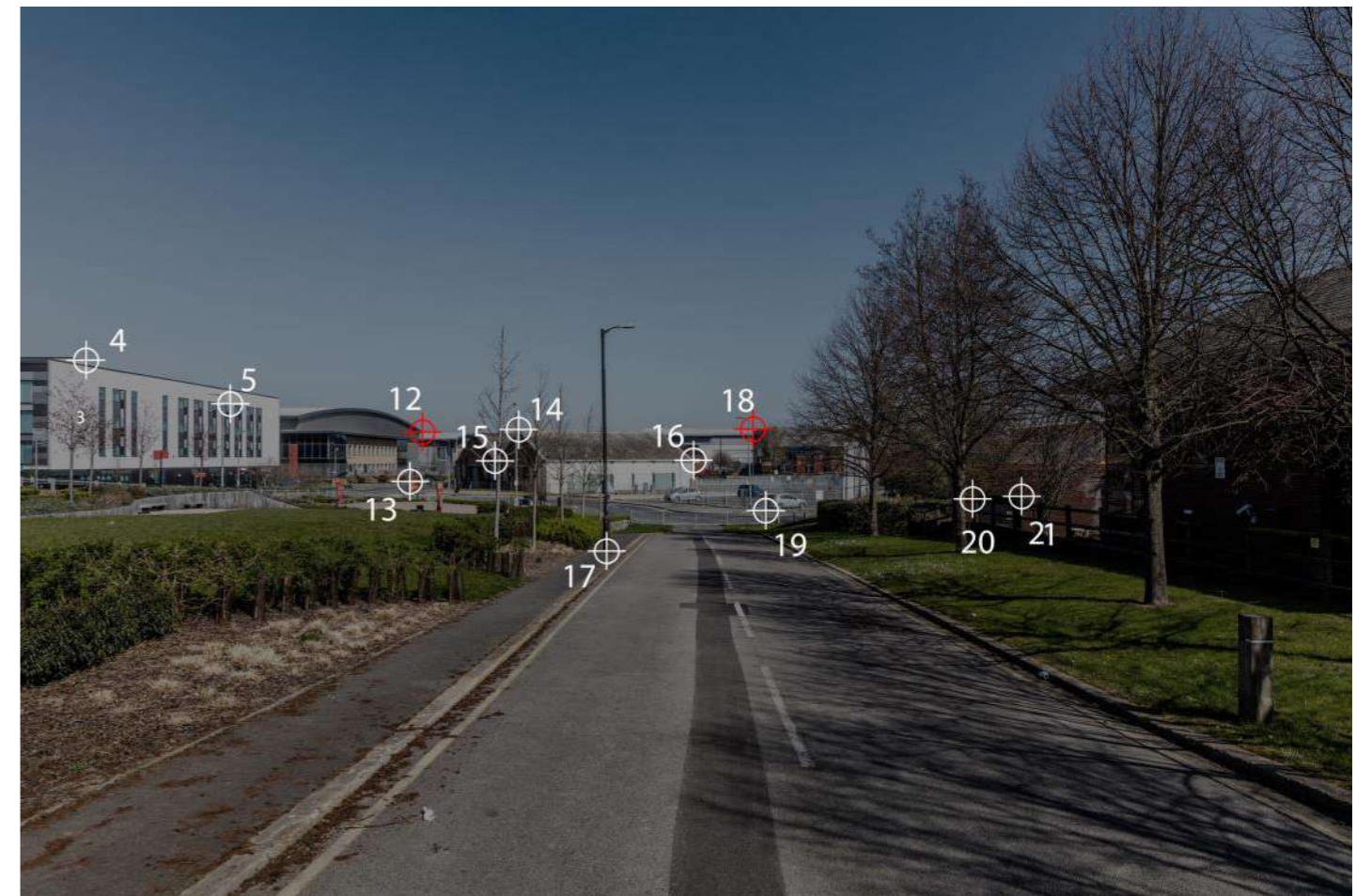
Model viewport showing model in place

Montage of render into 24mm lens photo. 50mm lens equivalent outline shown





Base photo for montage



Earlier reference shot illustrating points required to be surveyed



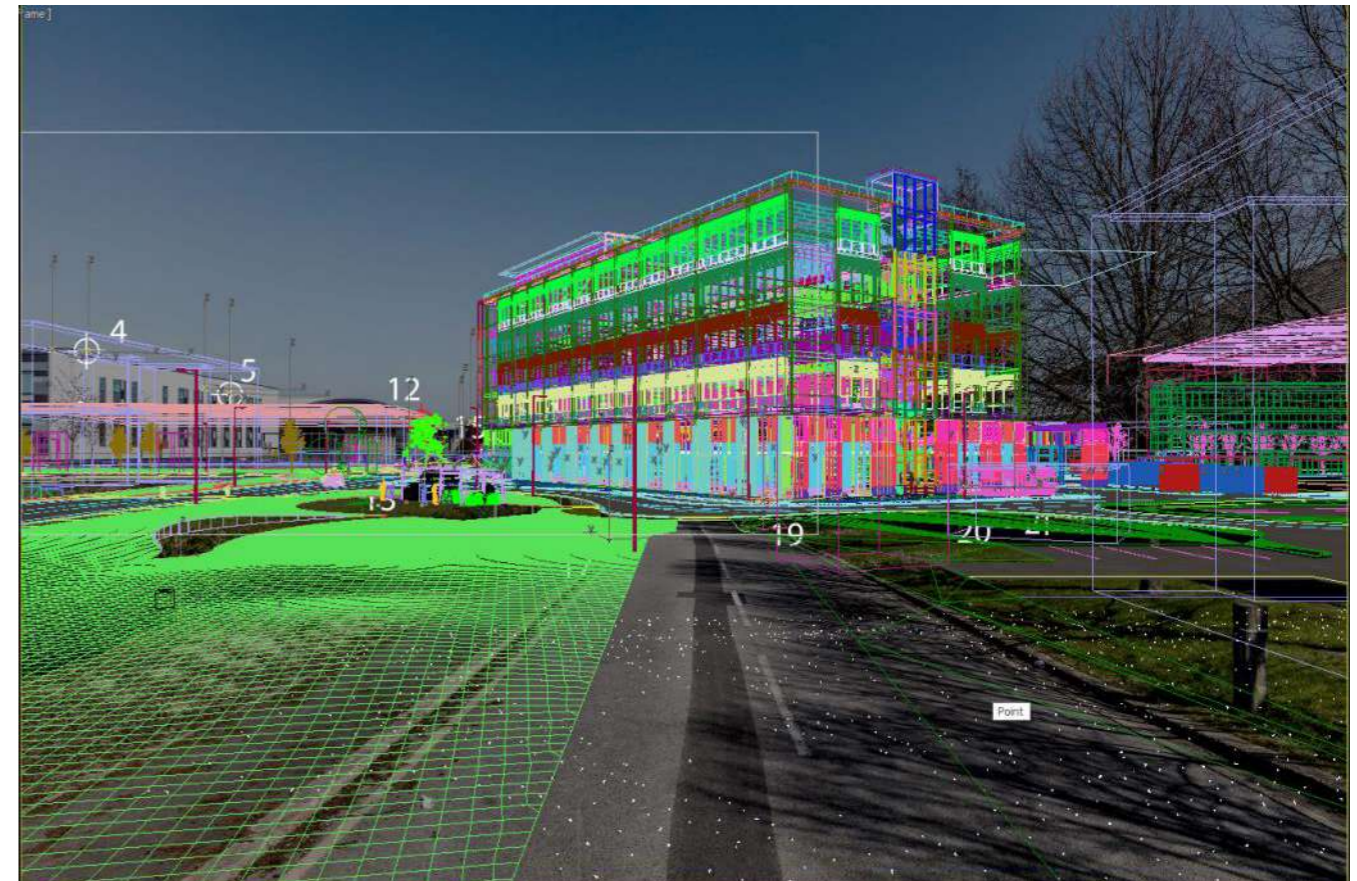
Record of camera location for surveyor



Camera location in model—on survey point



Model viewport shows 3D model survey points aligned to marked up base photo from within the deduced camera



Model viewport showing model in place

Render of model only from deduced camera

Montage of render into 24mm lens photo. 50mm lens equivalent outline shown





Base photo for montage



Earlier reference shot illustrating points required to be surveyed



Record of camera location for surveyor

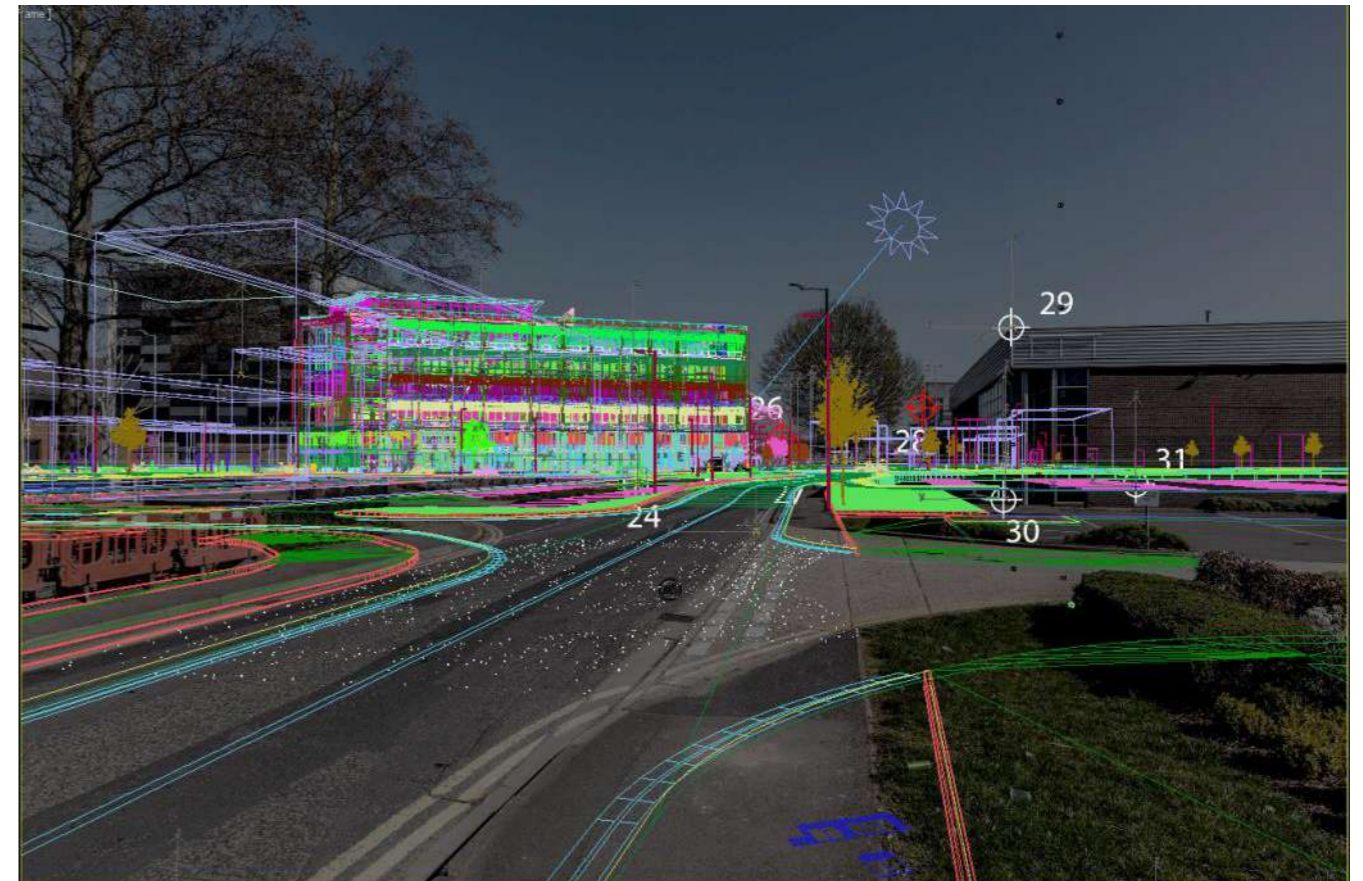


Camera location in model—on survey point



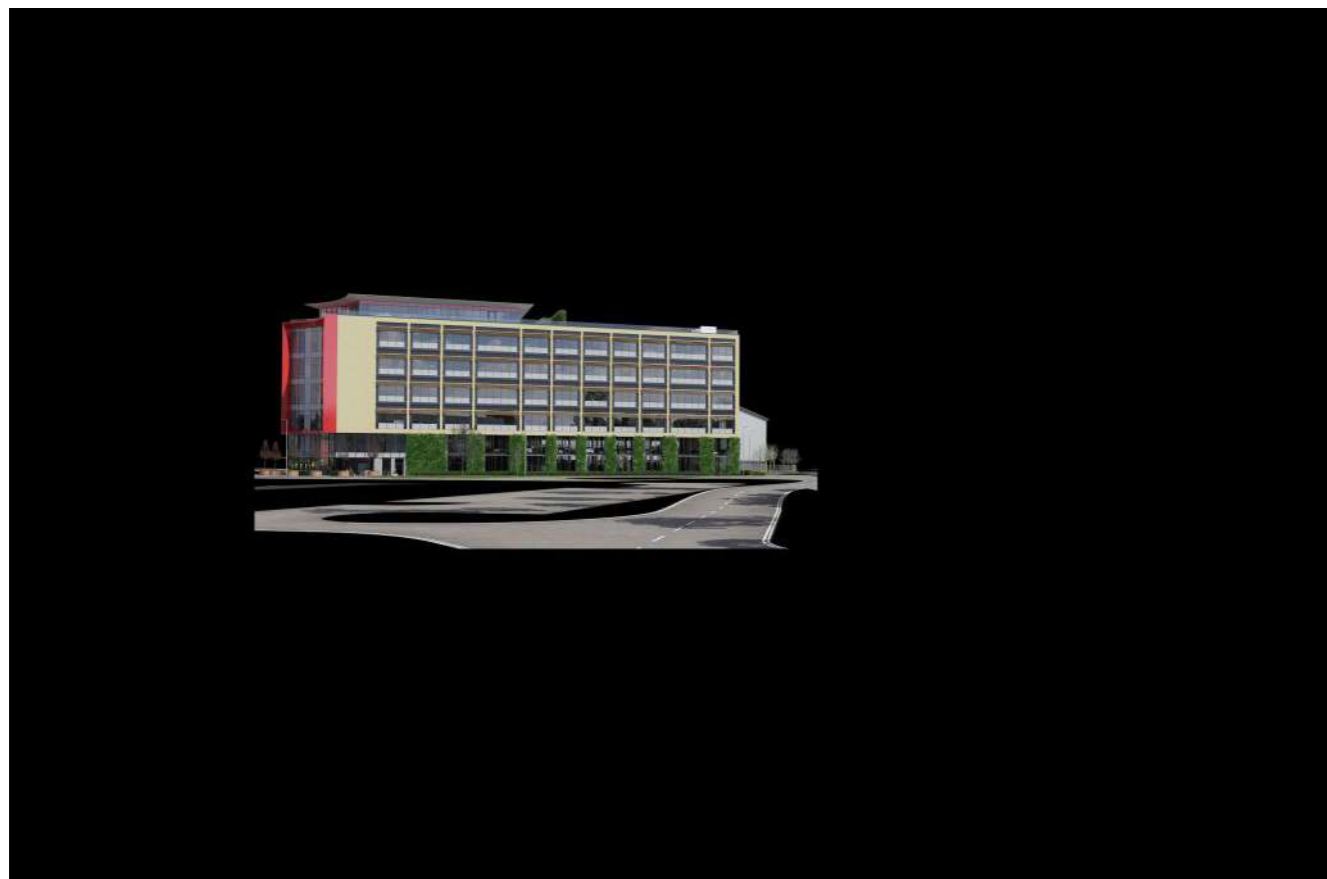
Model viewport shows 3D model survey points aligned to marked up base photo from within the deduced camera

Render of model only from deduced camera



Model viewport showing model in place

Montage of render into 24mm lens photo. 50mm lens equivalent outline shown





Base photo for montage



Earlier reference shot illustrating points required to be surveyed



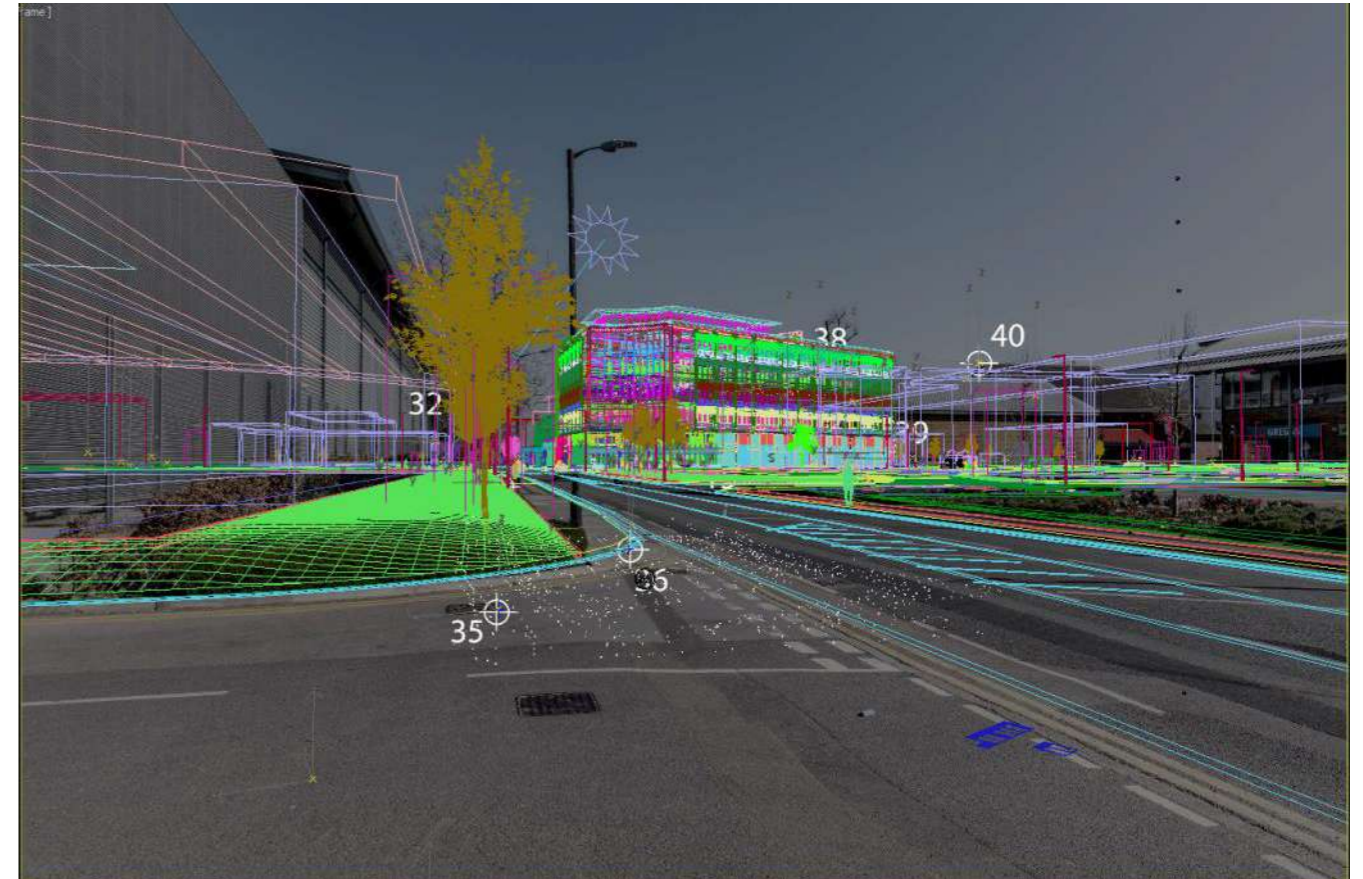
Record of camera location for surveyor



Camera location in model—on survey point



Model viewport shows 3D model survey points aligned to marked up base photo from within the deduced camera



Model viewport showing model in place

Render of model only from deduced camera

Montage of render into 24mm lens photo. 50mm lens equivalent outline shown





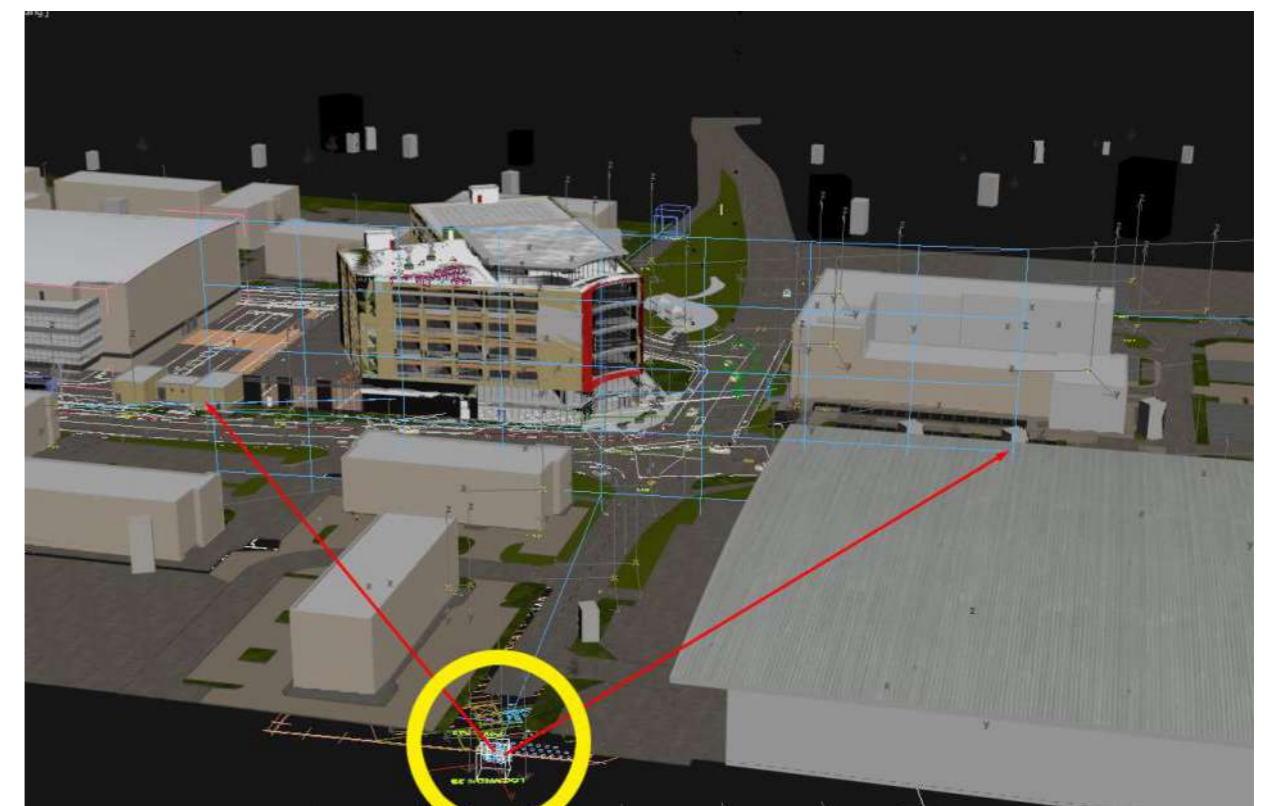
Base photo for montage



Earlier reference shot illustrating points required to be surveyed



Record of camera location for surveyor



Camera location in model—on survey point



Model viewport shows 3D model survey points aligned to marked up base photo from within the deduced camera

Render of model only from deduced camera



Model viewport showing model in place

Montage of render into 24mm lens photo. 50mm lens equivalent outline shown





Base photo for montage



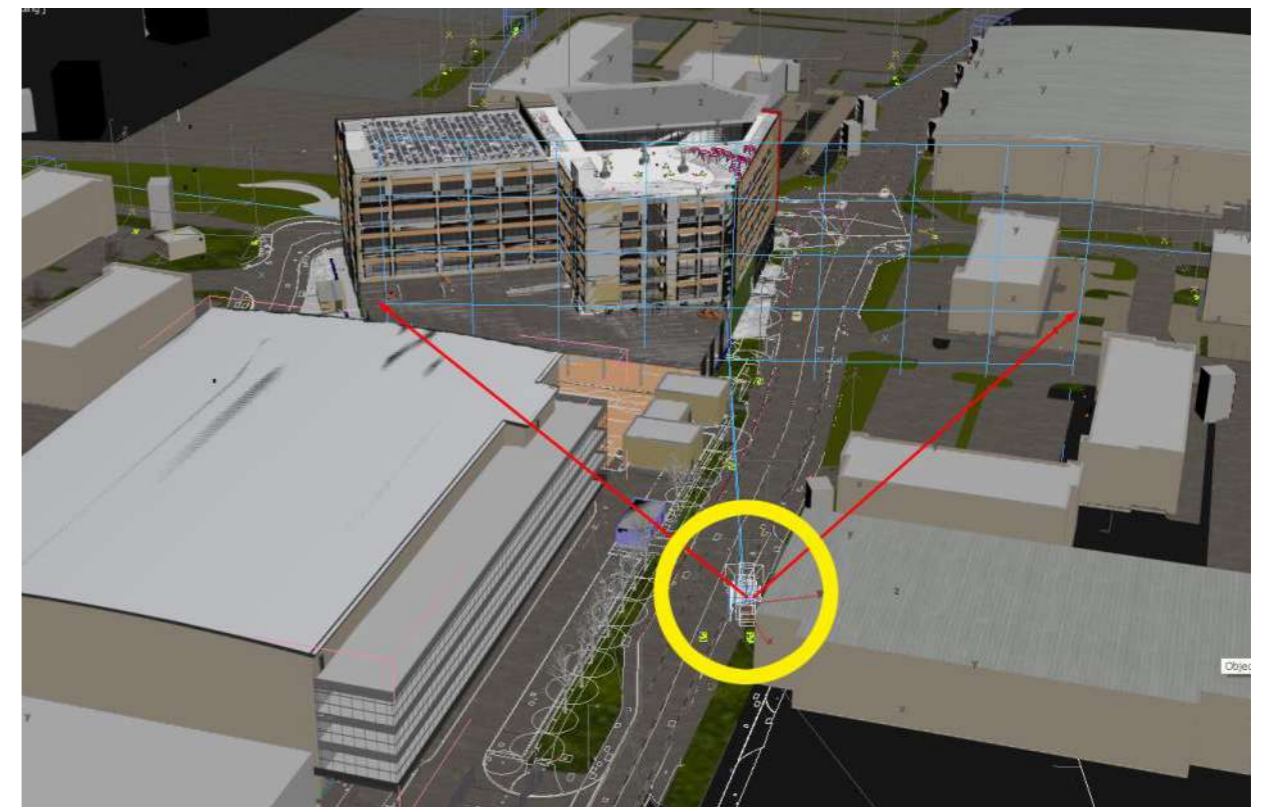
Earlier reference shot illustrating points required to be surveyed



Record of camera location for surveyor

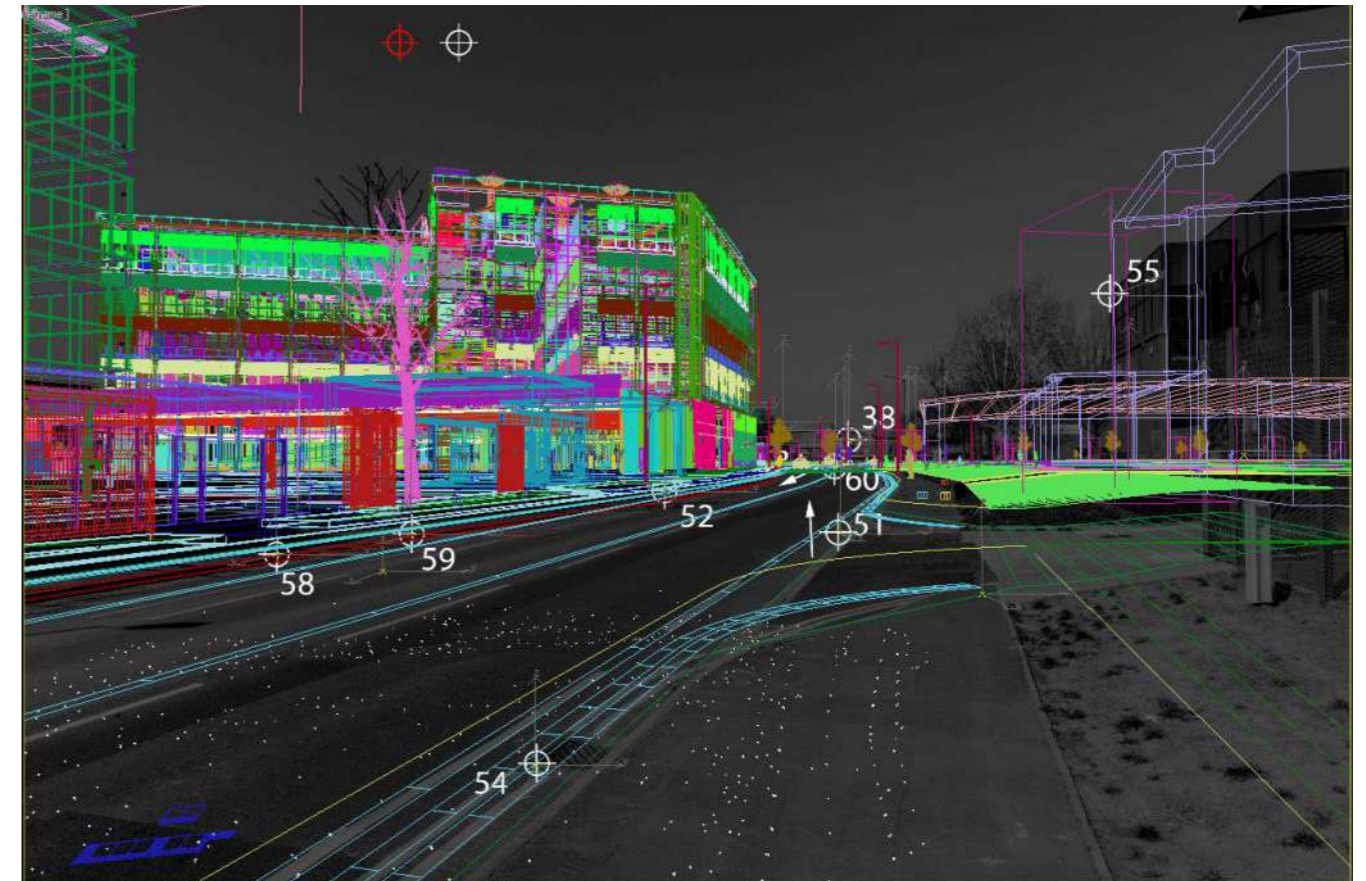


Camera location in model—on survey point





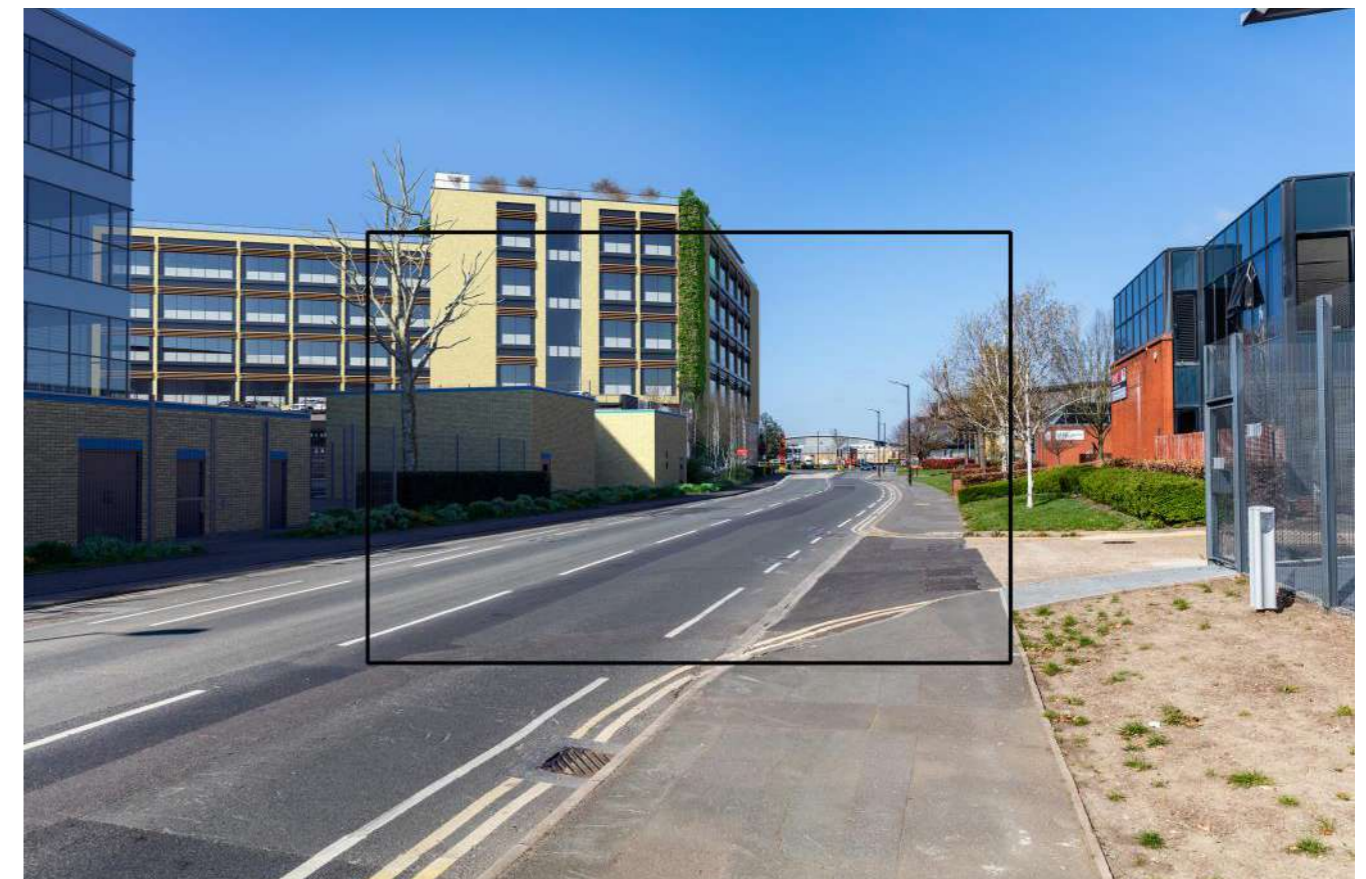
Model viewport showing 3D survey points aligned to marked up base photo from within the deduced camera



Model viewport showing model in place

Render of model only from deduced camera

Montage of render into 24mm lens photo. 50mm lens equivalent outline shown



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