DATE
09 · 12 · 2024

CLIENT
VITA

PROJECT #
11514

OUR STUDIO
ACCURATE VISUAL REPRESENTATION (AVR) DOCUMENT

OUR STUDIO - AVR PROJECT INFORMATION

VISUALISATION TYPES 1	2	3	4	PHOTOGRAPHY	NOTES
				Visualisation Type	Type 4 Level 1 - Wireline Level 3 - Fully Rendered
				Method used to establish the camera location (e.g handheld GPS/GNSS, GNSS/RTK, survey point, visual reference)	Tripod photography in GPS system
				Likely Level of accuaracy of location (#m, #cm etc)	Better than 10cm
				If lenses other than 50mm have been used, explain why a different lens is appropriate	N/A
				Written description of procedures for image capture processing	See methodology
				If panoramas used: make and type of Pano head and equipment used to level head	N/A
				If working outside the UK, geographic co-ordinate system (GCS) used	N/A
				3D MODEL / VISUALISATION	
				Source of topographic height data and its resolution	GPS point data & OS plan
				How have the model and camera locations been placed in the software?	Based on survey coordinates
				Elements in the view used as target points to check the horizontal alignment	Existing buildings, landscape & GPS data
				Elements in the view used as target points to check the vertical alignment	Existing buildings, landscape & GPS data
				3D Modelling / Rendering Software	3DSMax & Corona
				If working outside the UK, geographic co-ordinate system (GCS) used	N/A
				GENERALLY	
				Any limitations in the overall methodology for preparing of the visualisations?	

OUR STUDIO
VIEWPOINT LOCATIONS

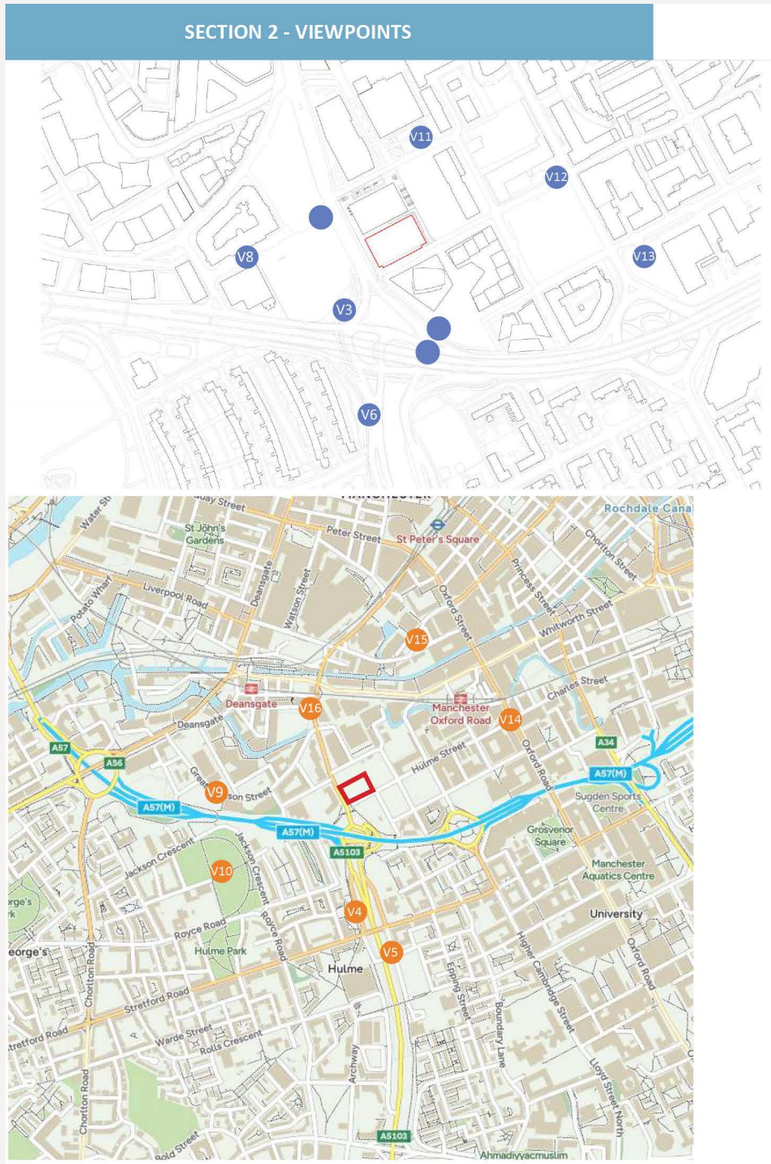


Figure 3. Near Distance, Mid Distance and Long Distance viewpoint location plan

Near Distance Views

View 3	Medlock Street
View 6	Princess Road
View 8	River Street
View 11	River Street
View 12	Hulme Street
View 13	Chester Street

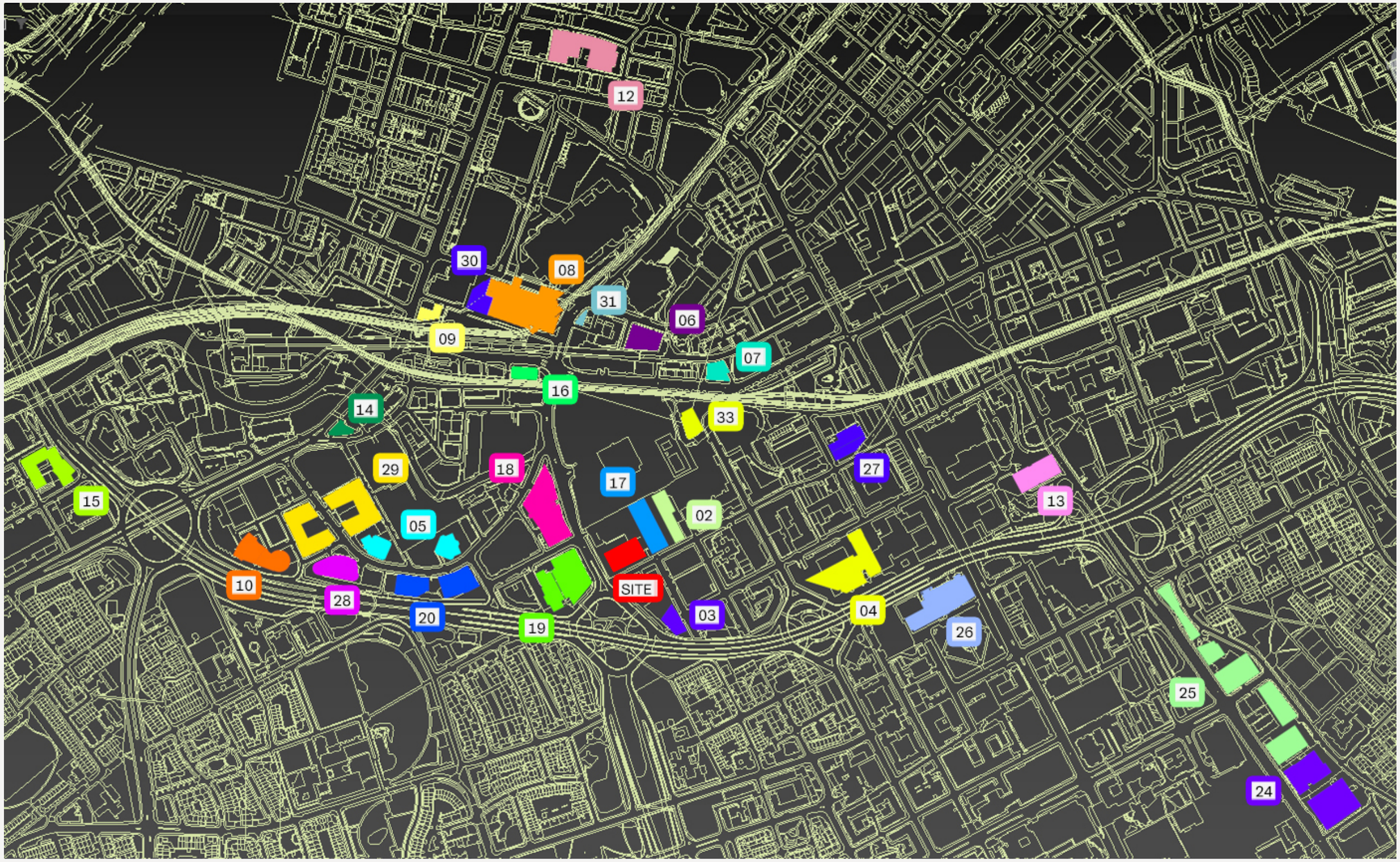
Mid Distance Views

View 4	Princess Road
View 5	Bonsall Street
View 9	Great Jackson Street
View 10	Hulme Park
View 14	Oxford Road
View 15	Chepstow Street
VIEW 16	Little Peter Street



Figure 4. Aerial Photograph of the proposal site

OUR STUDIO
CUMULATIVE SCHEMES



VIEWPOINT 03

OUR STUDIO - AVR VIEWPOINT INFORMATION

VISUALISATION TYPES 1	2	3	4	VIEW 03 PHOTOGRAPHY	VIEW 03 NOTES
				Visualisation Type	Type 4 Level 3 - Rendered
				Projection	Planar
				Date and Time of captured Photography	06/08/2024 15.26
				Make and Model of camera, and it's sensor format	Canon EOS 5D Mark IV Sensor size 36 x 24mm
				Make, focal length of the camera lens(es) used	Lens is 24mm
				Angle of View of photograph / visual	Horizontal Angle of View - 73.7 deg.
				Direction of View: bearing from North (0°) or Compass Direction	North East
				Camera location grid coordinates: eastings and northings to relevant accuracy; height of ground in mAOD	Easting: 383675.071 Northing: 397135.152 Level: 33.259
				Height of the camera lens above ground level and, if above 1.65m or below 1.5m, why?	1.6m
				ADDITIONAL IMAGERY	
				Baseline Photography	
				A composite view generated by overlaying multiple layers of image data: the photography, 3D model of terrain (LiDAR DTM) and / or 3D model oif LiDAR DSM, 3D model of proposed development, 3D model of landscape mitigation. This can explain how the photomontage has been generated.	GPS point cloud data
				A photograph of the tripod location to confirm the camera / tripod location	



VIEWPOINT 03 BASELINE PHOTOGRAPHY



VIEWPOINT 03 FINALS



VIEWPOINT 03 CUMULATIVE SCHEMES

VIEWPOINT 04

OUR STUDIO - AVR VIEWPOINT INFORMATION

VISUALISATION TYPES 1	2	3	4	VIEW 04 PHOTOGRAPHY	VIEW 04 NOTES
				Visualisation Type	Type 4 Level 1 - Wireline
				Projection	Planar
				Date and Time of captured Photography	06/08/2024 12.45
				Make and Model of camera, and it's sensor format	Canon EOS 5D Mark IV Sensor size 36 x 24mm
				Make, focal length of the camera lens(es) used	Lens is 24mm
				Angle of View of photograph / visual	Horizontal Angle of View - 73.7 deg.
				Direction of View: bearing from North (0°) or Compass Direction	North
				Camera location grid coordinates: eastings and northings to relevant accuracy; height of ground in mAOD	Easting: 383724.675 Northing: 396887.850 Level: 34.952
				Height of the camera lens above ground level and, if above 1.65m or below 1.5m, why?	1.6m
ADDITIONAL IMAGERY					
				Baseline Photography	
				A composite view generated by overlaying multiple layers of image data: the photography, 3D model of terrain (LiDAR DTM) and / or 3D model oif LiDAR DSM, 3D model of proposed development, 3D model of landscape mitigation. This can explain how the photomontage has been generated.	GPS point cloud data
				A photograph of the tripod location to confirm the camera / tripod location	



VIEWPOINT 04 BASELINE PHOTOGRAPHY



VIEWPOINT 04 FINALS



VIEWPOINT 04 CUMULATIVE SCHEMES

VIEWPOINT 05

OUR STUDIO - AVR VIEWPOINT INFORMATION

VISUALISATION TYPES 1	2	3	4	VIEW 05 PHOTOGRAPHY	VIEW 05 NOTES
				Visualisation Type	Type 4 Level 5 - Rendered
				Projection	Planar
				Date and Time of captured Photography	06/08/2024 12.19
				Make and Model of camera, and it's sensor format	Canon EOS 5D Mark IV Sensor size 36 x 24mm
				Make, focal length of the camera lens(es) used	Lens is 35mm
				Angle of View of photograph / visual	Horizontal Angle of View - 54.4 deg.
				Direction of View: bearing from North (0°) or Compass Direction	North
				Camera location grid coordinates: eastings and northings to relevant accuracy; height of ground in mAOD	Easting: 383812.637 Northing: 396773.484 Level: 35.866
				Height of the camera lens above ground level and, if above 1.65m or below 1.5m, why?	1.6m
				ADDITIONAL IMAGERY	
				Baseline Photography	
				A composite view generated by overlaying multiple layers of image data: the photography, 3D model of terrain (LiDAR DTM) and / or 3D model oif LiDAR DSM, 3D model of proposed development, 3D model of landscape mitigation. This can explain how the photomontage has been generated.	GPS point cloud data
				A photograph of the tripod location to confirm the camera / tripod location	



VIEWPOINT 05 BASELINE PHOTOGRAPHY



VIEWPOINT 05 FINALS



VIEWPOINT 05 CUMULATIVE SCHEMES

VIEWPOINT 06

OUR STUDIO - AVR VIEWPOINT INFORMATION

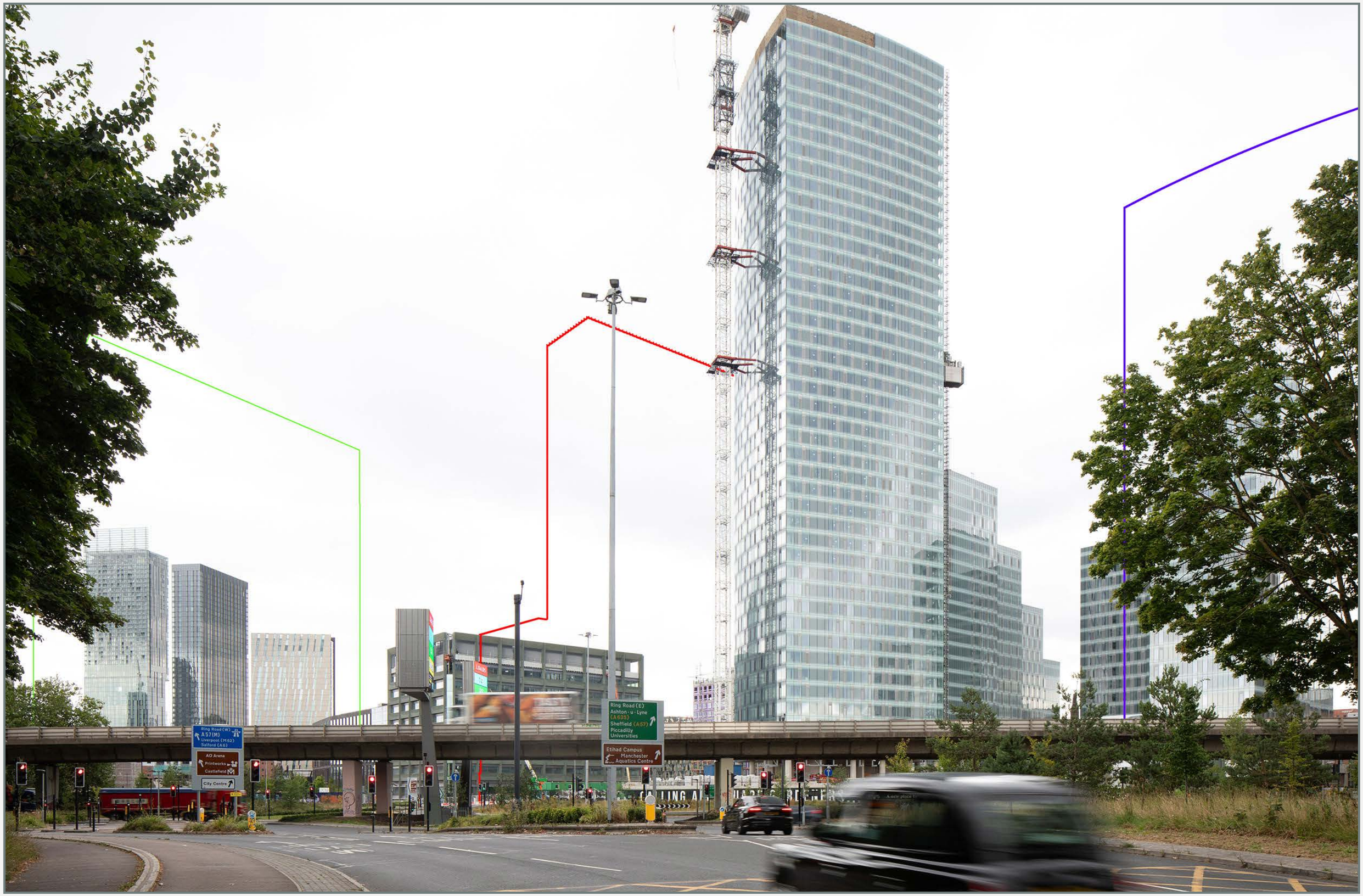
VISUALISATION TYPES 1	2	3	4	VIEW 06 PHOTOGRAPHY	VIEW 06 NOTES
				Visualisation Type	Type 4 Level 1 - Wireline
				Projection	Planar
				Date and Time of captured Photography	06/08/2024 13.08
				Make and Model of camera, and it's sensor format	Canon EOS 5D Mark IV Sensor size 36 x 24mm
				Make, focal length of the camera lens(es) used	Lens is 24mm
				Angle of View of photograph / visual	Horizontal Angle of View - 73.7 deg.
				Direction of View: bearing from North (0°) or Compass Direction	North
				Camera location grid coordinates: eastings and northings to relevant accuracy; height of ground in mAOD	Easting: 383706.899 Northing: 397019.852 Level: 34.943
				Height of the camera lens above ground level and, if above 1.65m or below 1.5m, why?	1.6m
				ADDITIONAL IMAGERY	
				Baseline Photography	
				A composite view generated by overlaying multiple layers of image data: the photography, 3D model of terrain (LiDAR DTM) and / or 3D model oif LiDAR DSM, 3D model of proposed development, 3D model of landscape mitigation. This can explain how the photomontage has been generated.	GPS point cloud data
				A photograph of the tripod location to confirm the camera / tripod location	



VIEWPOINT 06 BASELINE PHOTOGRAPHY



VIEWPOINT 06 FINALS



VIEWPOINT 06 CUMULATIVE SCHEMES

VIEWPOINT 08

OUR STUDIO - AVR VIEWPOINT INFORMATION

VISUALISATION TYPES 1	2	3	4	VIEW 08 PHOTOGRAPHY	VIEW 08 NOTES
				Visualisation Type	Type 4 Level 3 - Rendered
				Projection	Planar
				Date and Time of captured Photography	06/08/2024 14.47
				Make and Model of camera, and it's sensor format	Canon EOS 5D Mark IV Sensor size 36 x 24mm
				Make, focal length of the camera lens(es) used	Lens is 24mm
				Angle of View of photograph / visual	Horizontal Angle of View - 73.7 deg.
				Direction of View: bearing from North (0°) or Compass Direction	East
				Camera location grid coordinates: eastings and northings to relevant accuracy; height of ground in mAOD	Easting: 383571.615 Northing: 397218.609 Level: 34.076
				Height of the camera lens above ground level and, if above 1.65m or below 1.5m, why?	1.6m
				ADDITIONAL IMAGERY	
				Baseline Photography	
				A composite view generated by overlaying multiple layers of image data: the photography, 3D model of terrain (LiDAR DTM) and / or 3D model oif LiDAR DSM, 3D model of proposed development, 3D model of landscape mitigation. This can explain how the photomontage has been generated.	GPS point cloud data
				A photograph of the tripod location to confirm the camera / tripod location	



VIEWPOINT 08 BASELINE PHOTOGRAPHY



VIEWPOINT 08 FINALS



VIEWPOINT 08 CUMULATIVE SCHEMES

VIEWPOINT 09

OUR STUDIO - AVR VIEWPOINT INFORMATION

VISUALISATION TYPES 1	2	3	4	VIEW 09 PHOTOGRAPHY	VIEW 09 NOTES
				Visualisation Type	Type 4 Level 1 - Wireline
				Projection	Planar
				Date and Time of captured Photography	06/08/2024 14.13
				Make and Model of camera, and it's sensor format	Canon EOS 5D Mark IV Sensor size 36 x 24mm
				Make, focal length of the camera lens(es) used	Lens is 24mm
				Angle of View of photograph / visual	Horizontal Angle of View - 73.7 deg.
				Direction of View: bearing from North (0°) or Compass Direction	East
				Camera location grid coordinates: eastings and northings to relevant accuracy; height of ground in mAOD	Easting: 383361.654 Northing: 397208.063 Level: 33.014
				Height of the camera lens above ground level and, if above 1.65m or below 1.5m, why?	1.6m
				ADDITIONAL IMAGERY	
				Baseline Photography	
				A composite view generated by overlaying multiple layers of image data: the photography, 3D model of terrain (LiDAR DTM) and / or 3D model oif LiDAR DSM, 3D model of proposed development, 3D model of landscape mitigation. This can explain how the photomontage has been generated.	GPS point cloud data
				A photograph of the tripod location to confirm the camera / tripod location	



VIEWPOINT 09 BASELINE PHOTOGRAPHY



VIEWPOINT 09 FINALS



VIEWPOINT 09 CUMULATIVE SCHEMES

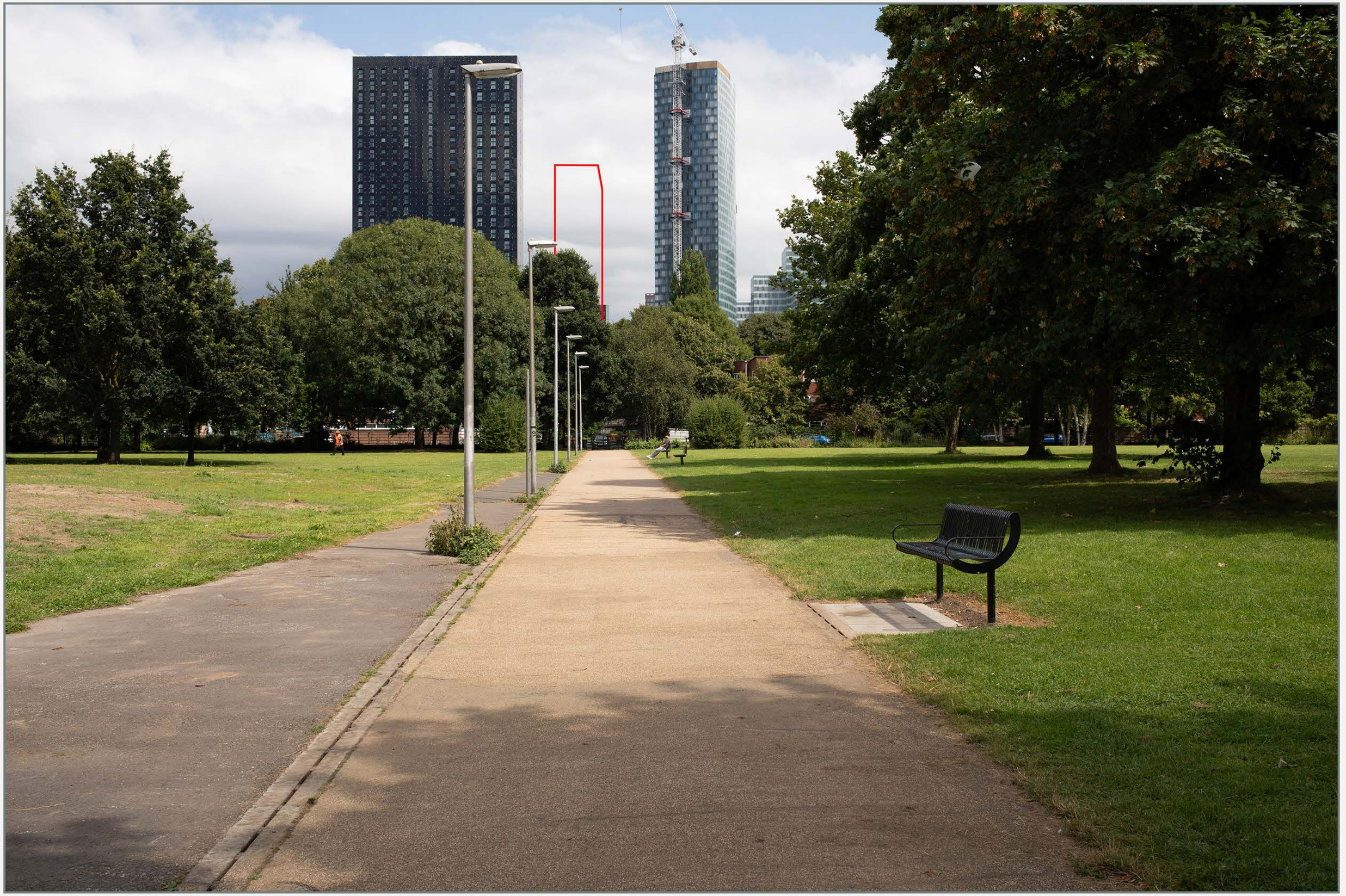
VIEWPOINT 10

OUR STUDIO - AVR VIEWPOINT INFORMATION

VISUALISATION TYPES 1	2	3	4	VIEW 10 PHOTOGRAPHY	VIEW 10 NOTES
				Visualisation Type	Type 4 Level 1 - Wireline
				Projection	Planar
				Date and Time of captured Photography	06/08/2024 13.35
				Make and Model of camera, and it's sensor format	Canon EOS 5D Mark IV Sensor size 36 x 24mm
				Make, focal length of the camera lens(es) used	Lens is 35mm
				Angle of View of photograph / visual	Horizontal Angle of View - 54.4 deg.
				Direction of View: bearing from North (0°) or Compass Direction	North East
				Camera location grid coordinates: eastings and northings to relevant accuracy; height of ground in mAOD	Easting: 383334.367 Northing: 396978.650 Level: 33.460
				Height of the camera lens above ground level and, if above 1.65m or below 1.5m, why?	1.6m
				ADDITIONAL IMAGERY	
				Baseline Photography	
				A composite view generated by overlaying multiple layers of image data: the photography, 3D model of terrain (LiDAR DTM) and / or 3D model oif LiDAR DSM, 3D model of proposed development, 3D model of landscape mitigation. This can explain how the photomontage has been generated.	GPS point cloud data
				A photograph of the tripod location to confirm the camera / tripod location	



VIEWPOINT 10 BASELINE PHOTOGRAPHY



VIEWPOINT 10 FINALS



VIEWPOINT 10 CUMULATIVE SCHEMES

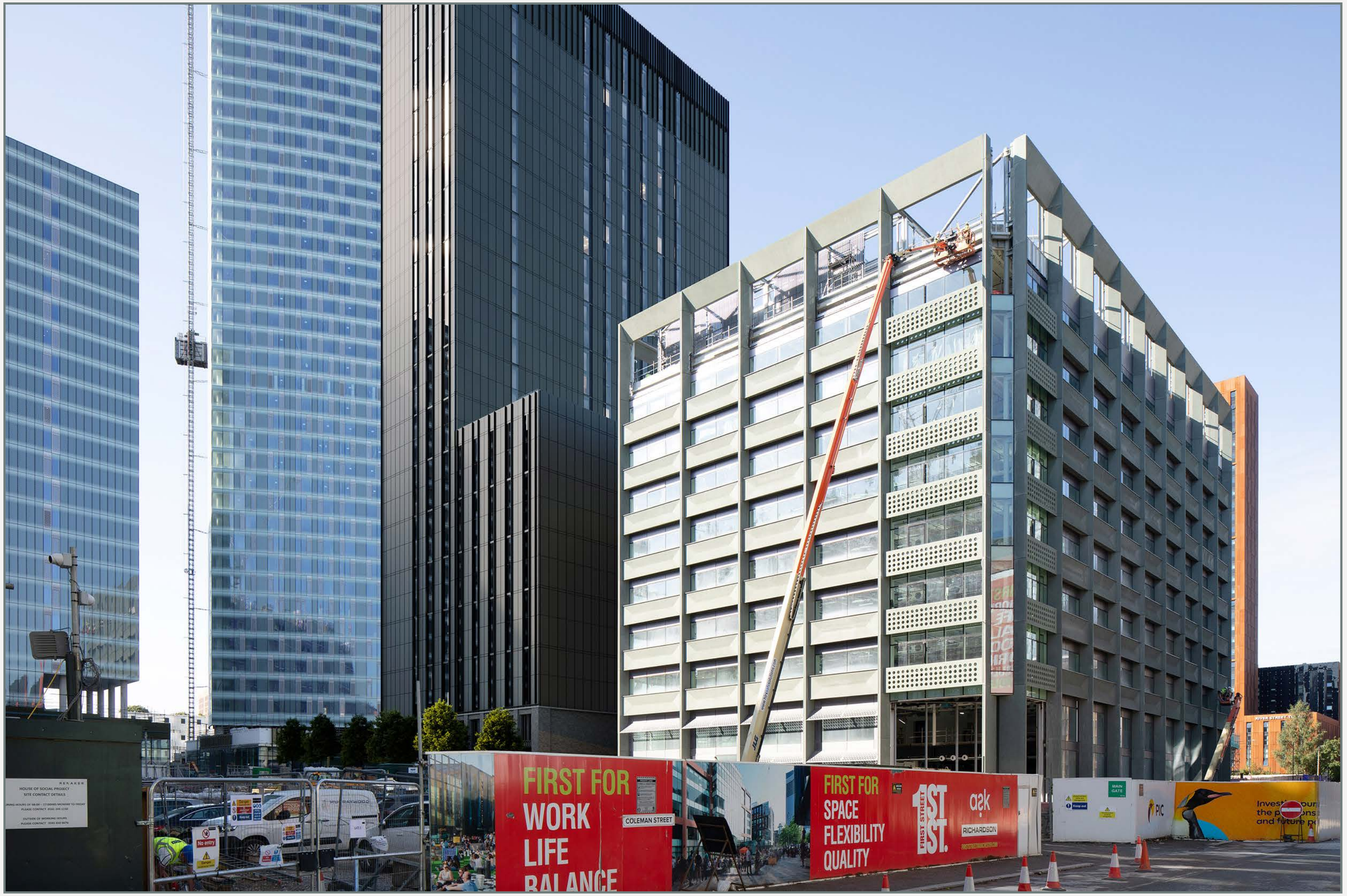
VIEWPOINT 11

OUR STUDIO - AVR VIEWPOINT INFORMATION

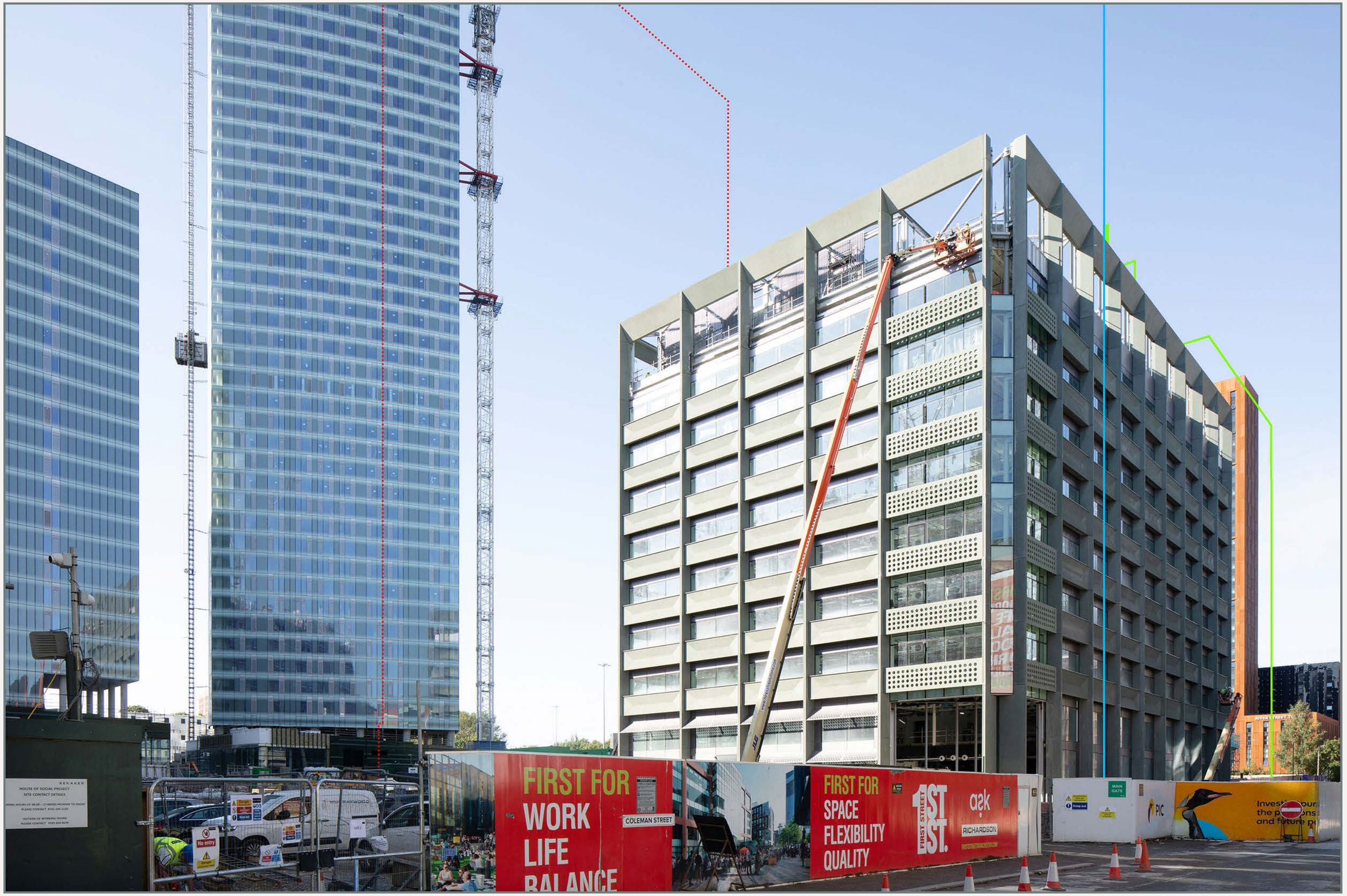
VISUALISATION TYPES 1	2	3	4	VIEW 11 PHOTOGRAPHY	VIEW 11 NOTES
				Visualisation Type	Type 4 Level 3 - Rendered
				Projection	Planar
				Date and Time of captured Photography	06/08/2024 09.35
				Make and Model of camera, and it's sensor format	Canon EOS 5D Mark IV Sensor size 36 x 24mm
				Make, focal length of the camera lens(es) used	Lens is 24mm
				Angle of View of photograph / visual	Horizontal Angle of View - 73.7 deg.
				Direction of View: bearing from North (0°) or Compass Direction	South
				Camera location grid coordinates: eastings and northings to relevant accuracy; height of ground in mAOD	Easting: 383770.669 Northing: 397337.528 Level: 30.931
				Height of the camera lens above ground level and, if above 1.65m or below 1.5m, why?	1.6m
				ADDITIONAL IMAGERY	
				Baseline Photography	
				A composite view generated by overlaying multiple layers of image data: the photography, 3D model of terrain (LiDAR DTM) and / or 3D model oif LiDAR DSM, 3D model of proposed development, 3D model of landscape mitigation. This can explain how the photomontage has been generated.	GPS point cloud data
				A photograph of the tripod location to confirm the camera / tripod location	



VIEWPOINT 11 BASELINE PHOTOGRAPHY



VIEWPOINT 11 FINALS



VIEWPOINT 11 CUMULATIVE SCHEMES

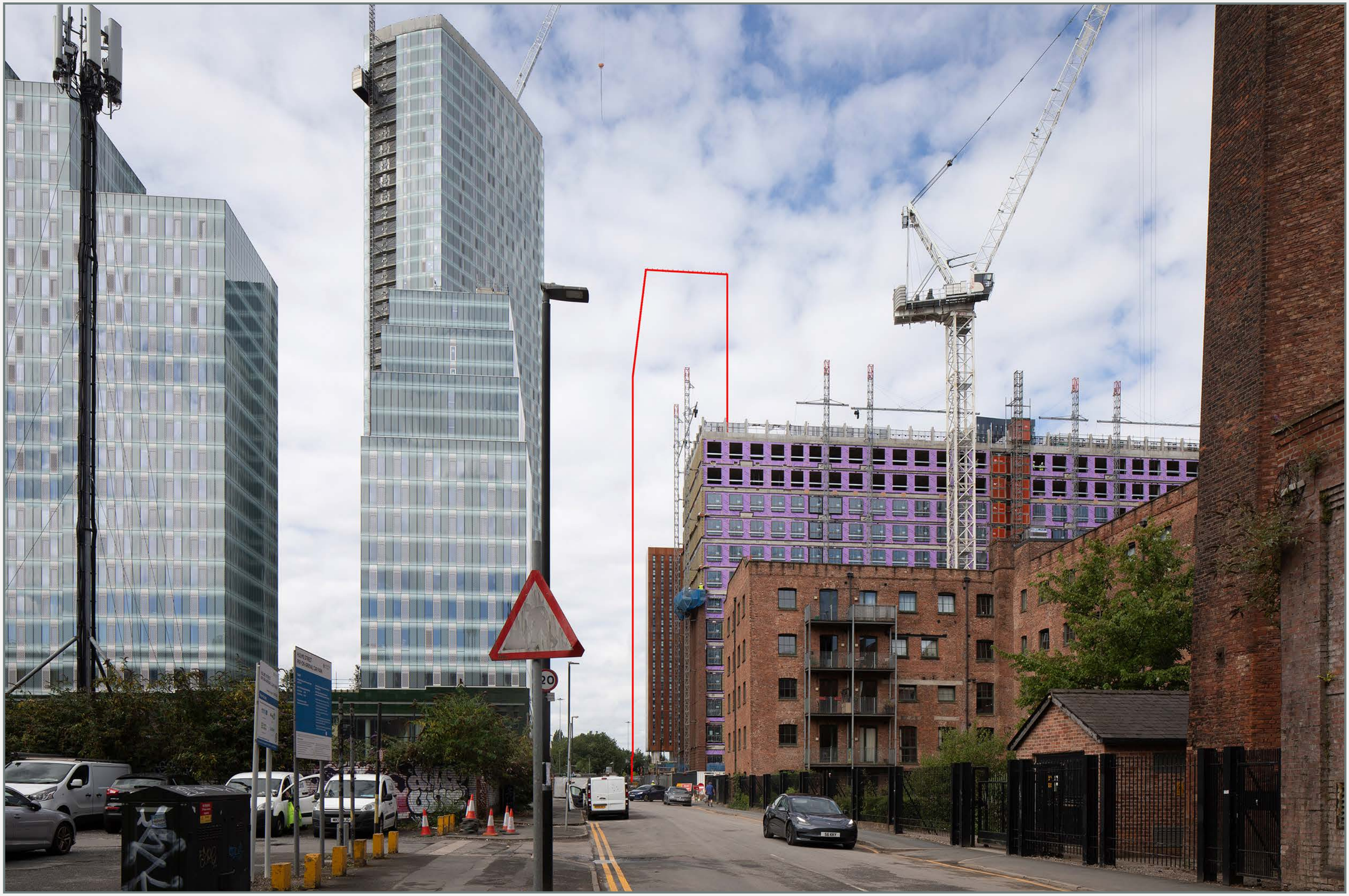
VIEWPOINT 12

OUR STUDIO - AVR VIEWPOINT INFORMATION

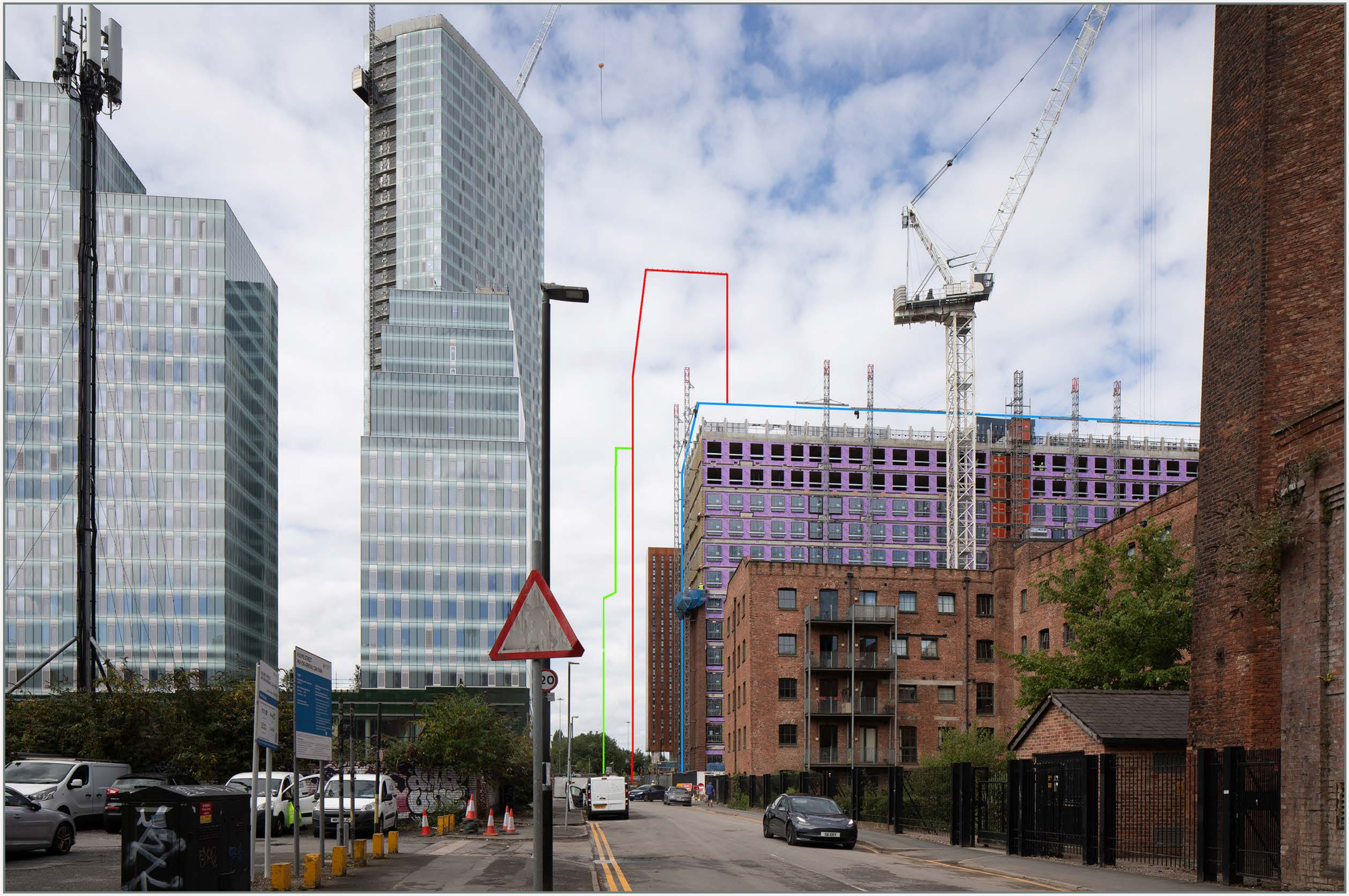
VISUALISATION TYPES 1	2	3	4	VIEW 12 PHOTOGRAPHY	VIEW 12 NOTES
				Visualisation Type	Type 4 Level 1 - Wireline
				Projection	Planar
				Date and Time of captured Photography	06/08/2024 10.20
				Make and Model of camera, and it's sensor format	Canon EOS 5D Mark IV Sensor size 36 x 24mm
				Make, focal length of the camera lens(es) used	Lens is 24mm
				Angle of View of photograph / visual	Horizontal Angle of View - 73.7 deg.
				Direction of View: bearing from North (0°) or Compass Direction	South West
				Camera location grid coordinates: eastings and northings to relevant accuracy; height of ground in mAOD	Easting: 383925.583 Northing: 397294.093 Level: 32.510
				Height of the camera lens above ground level and, if above 1.65m or below 1.5m, why?	1.6m
				ADDITIONAL IMAGERY	
				Baseline Photography	
				A composite view generated by overlaying multiple layers of image data: the photography, 3D model of terrain (LiDAR DTM) and / or 3D model oif LiDAR DSM, 3D model of proposed development, 3D model of landscape mitigation. This can explain how the photomontage has been generated.	GPS point cloud data
				A photograph of the tripod location to confirm the camera / tripod location	



VIEWPOINT 12 BASELINE PHOTOGRAPHY



VIEWPOINT 12 FINALS



VIEWPOINT 12 CUMULATIVE SCHEME

VIEWPOINT 13

OUR STUDIO - AVR VIEWPOINT INFORMATION

VISUALISATION TYPES 1	2	3	4	VIEW 13 PHOTOGRAPHY	VIEW 13 NOTES
				Visualisation Type	Type 4 Level 1 - Wireline
				Projection	Planar
				Date and Time of captured Photography	06/08/2024 10.51
				Make and Model of camera, and it's sensor format	Canon EOS 5D Mark IV Sensor size 36 x 24mm
				Make, focal length of the camera lens(es) used	Lens is 24mm
				Angle of View of photograph / visual	Horizontal Angle of View - 73.7 deg.
				Direction of View: bearing from North (0°) or Compass Direction	West
				Camera location grid coordinates: eastings and northings to relevant accuracy; height of ground in mAOD	Easting: 384035.378 Northing: 397210.900 Level: 35.559
				Height of the camera lens above ground level and, if above 1.65m or below 1.5m, why?	1.6m
				ADDITIONAL IMAGERY	
				Baseline Photography	
				A composite view generated by overlaying multiple layers of image data: the photography, 3D model of terrain (LiDAR DTM) and / or 3D model oif LiDAR DSM, 3D model of proposed development, 3D model of landscape mitigation. This can explain how the photomontage has been generated.	GPS point cloud data
				A photograph of the tripod location to confirm the camera / tripod location	



VIEWPOINT 13 BASELINE PHOTOGRAPHY



VIEWPOINT 13 FINALS



VIEWPOINT 13 CUMULATIVE SHEMES

VIEWPOINT 14

OUR STUDIO - AVR VIEWPOINT INFORMATION

VISUALISATION TYPES 1	2	3	4	VIEW 14 PHOTOGRAPHY	VIEW 14 NOTES
				Visualisation Type	Type 4 Level 1 - Wireline
				Projection	Planar
				Date and Time of captured Photography	06/08/2024 11.17
				Make and Model of camera, and it's sensor format	Canon EOS 5D Mark IV Sensor size 36 x 24mm
				Make, focal length of the camera lens(es) used	Lens is 35mm
				Angle of View of photograph / visual	Horizontal Angle of View - 54.4 deg.
				Direction of View: bearing from North (0°) or Compass Direction	South West
				Camera location grid coordinates: eastings and northings to relevant accuracy; height of ground in mAOD	Easting: 384144.531 Northing: 397403.127 Level: 32.941
				Height of the camera lens above ground level and, if above 1.65m or below 1.5m, why?	1.6m
				ADDITIONAL IMAGERY	
				Baseline Photography	
				A composite view generated by overlaying multiple layers of image data: the photography, 3D model of terrain (LiDAR DTM) and / or 3D model oif LiDAR DSM, 3D model of proposed development, 3D model of landscape mitigation. This can explain how the photomontage has been generated.	GPS point cloud data
				A photograph of the tripod location to confirm the camera / tripod location	



VIEWPOINT 14 BASELINE PHOTOGRAPHY



VIEWPOINT 14 FINALS

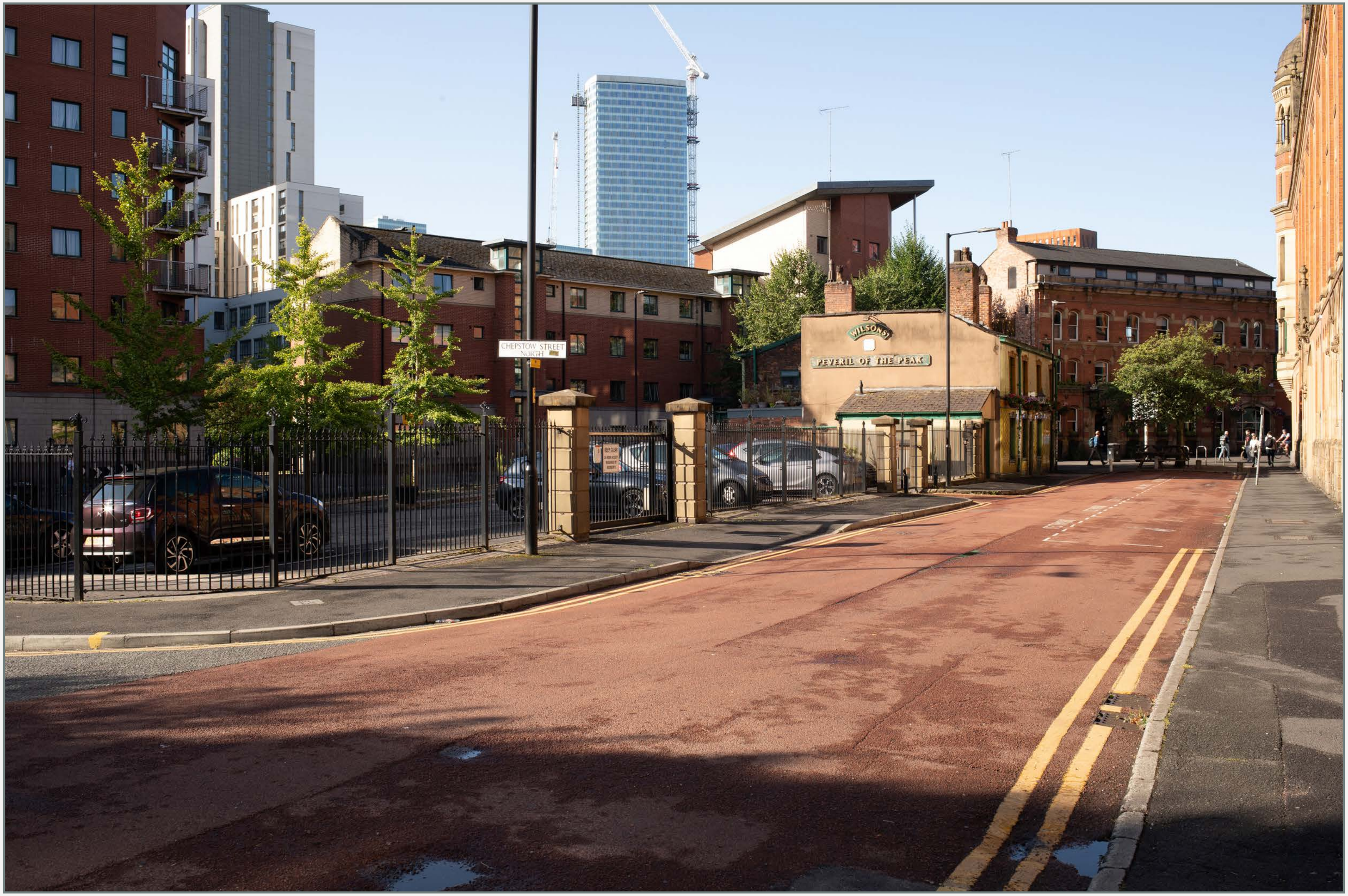


VIEWPOINT 14 CUMULATIVE SCHEMES

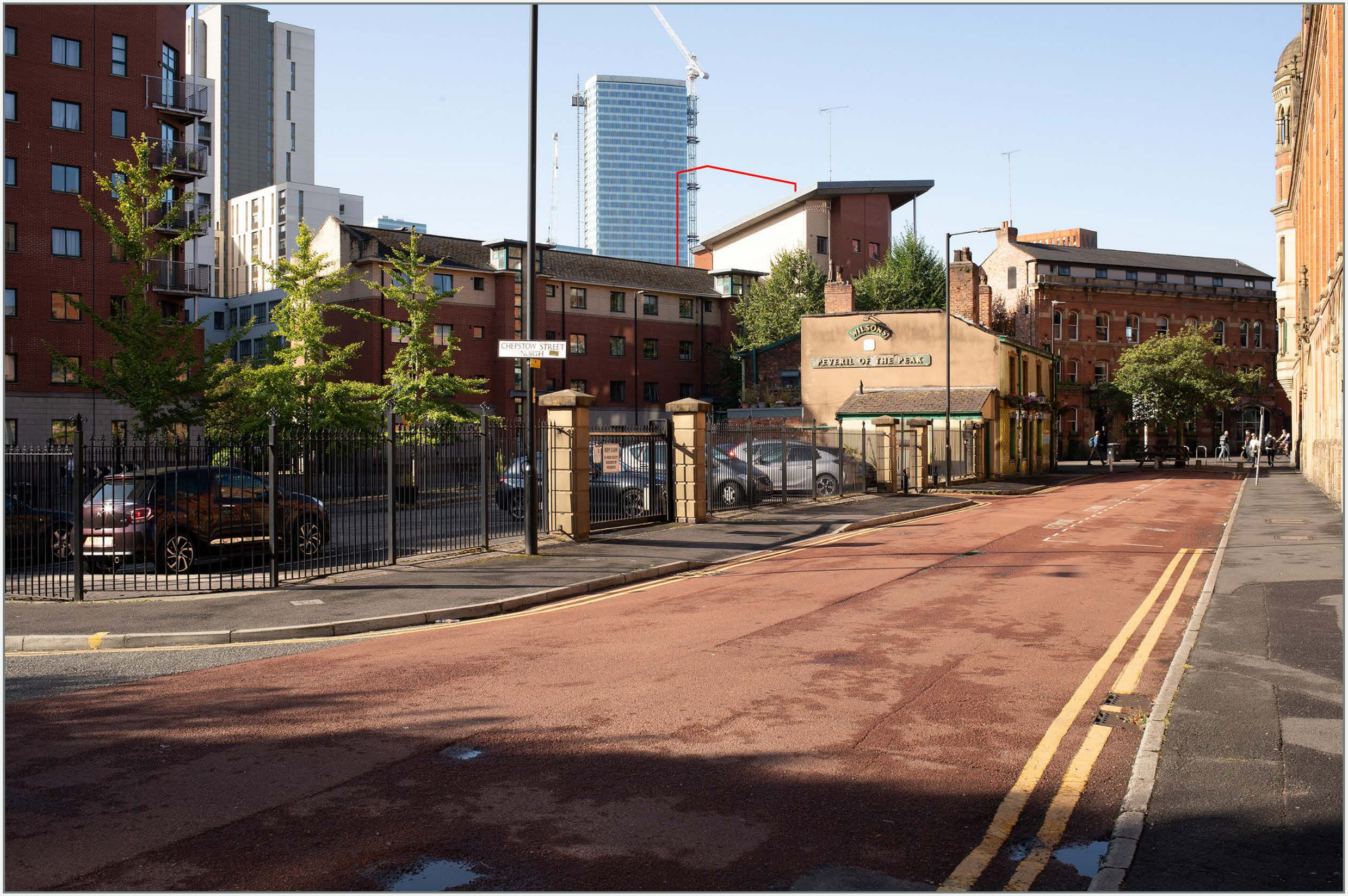
VIEWPOINT 15

OUR STUDIO - AVR VIEWPOINT INFORMATION

VISUALISATION TYPES 1	2	3	4	VIEW 15 PHOTOGRAPHY	VIEW 15 NOTES
				Visualisation Type	Type 4 Level 1 - Wireline
				Projection	Planar
				Date and Time of captured Photography	06/08/2024 08.50
				Make and Model of camera, and it's sensor format	Canon EOS 5D Mark IV Sensor size 36 x 24mm
				Make, focal length of the camera lens(es) used	Lens is 35mm
				Angle of View of photograph / visual	Horizontal Angle of View - 54.4 deg.
				Direction of View: bearing from North (0°) or Compass Direction	South West
				Camera location grid coordinates: eastings and northings to relevant accuracy; height of ground in mAOD	Easting: 383883.806 Northing: 397659.388 Level: 36.479
				Height of the camera lens above ground level and, if above 1.65m or below 1.5m, why?	1.6m
				ADDITIONAL IMAGERY	
				Baseline Photography	
				A composite view generated by overlaying multiple layers of image data: the photography, 3D model of terrain (LiDAR DTM) and / or 3D model oif LiDAR DSM, 3D model of proposed development, 3D model of landscape mitigation. This can explain how the photomontage has been generated.	GPS point cloud data
				A photograph of the tripod location to confirm the camera / tripod location	



VIEWPOINT 15 BASELINE PHOTOGRAPHY



VIEWPOINT 15 FINALS



VIEWPOINT 15 CUMULATIVE SCHEME

VIEWPOINT 16

OUR STUDIO

OUR STUDIO - AVR VIEWPOINT INFORMATION

VISUALISATION TYPES 1	2	3	4	VIEW 16 PHOTOGRAPHY	VIEW 16 NOTES
				Visualisation Type	Type 4 Level 3 - Rendered
				Projection	Planar
				Date and Time of captured Photography	06/08/2024 16.16
				Make and Model of camera, and it's sensor format	Canon EOS 5D Mark IV Sensor size 36 x 24mm
				Make, focal length of the camera lens(es) used	Lens is 24mm
				Angle of View of photograph / visual	Horizontal Angle of View - 73.7 deg.
				Direction of View: bearing from North (0°) or Compass Direction	South East
				Camera location grid coordinates: eastings and northings to relevant accuracy; height of ground in mAOD	Easting: 383607.503 Northing: 397418.676 Level: 32.879
				Height of the camera lens above ground level and, if above 1.65m or below 1.5m, why?	1.6m
				ADDITIONAL IMAGERY	
				Baseline Photography	
				A composite view generated by overlaying multiple layers of image data: the photography, 3D model of terrain (LiDAR DTM) and / or 3D model oif LiDAR DSM, 3D model of proposed development, 3D model of landscape mitigation. This can explain how the photomontage has been generated.	GPS point cloud data
				A photograph of the tripod location to confirm the camera / tripod location	



VIEWPOINT 16 BASELINE PHOTOGRAPHY



VIEWPOINT 16 FINALS



VIEWPOINT 16 CUMULATIVE SCHEME

OUR STUDIO
NORTHSPRING
SUITE 5D
70 SPRING GARDENS
MANCHESTER
M2 2BQ

Tel +44 161 237 1900
Email hello@ourstudioltd.com

OUR STUDIO