

MOORCOCK FARM BARN CLITHEROE ROAD, MOOR NOOK

VISUALLY VERIFIED PHOTOMONTAGE REPORT

05/08/20



INTRODUCTION

MOORCOCK FARM BARNs, CLITHEROE ROAD, MOOR NOOK



Site Location

Moorcock Farm Barns,
Clitheroe Road
Moor Nook
Lancashire
PR3 2YT

Client

Adam & Alex Dugdale

Project

Proposed barn conversion

ArcMedia Limited was commissioned in April 2020 by Steven Abbott Associates LLP to produce a series of visually verified montages (VVMs) of the proposed barn conversion at Moorcock Farm Barns, Clitheroe Road, Moor Nook, Lancashire on behalf of Adam & Alex Dugdale.

Design Information & Data

All the visualisations within this document have been produced using design, information and data supplied by the following relevant consultants.

Architect

John Coward Architects Limited
No.3 Unsworth's Yard
Ford Road
Cartmel
Cumbria LA11 6PG

Planning Consultant

Steven Abbott Associates LLP
Broadsword House
2 Stonecrop
North Quarry Business Park
Appley Bridge
Wigan
Lancashire WN6 9DL

Survey Team

MSA
Pandora House
41 - 45 Lind Road
Sutton
Surrey
SM1 4PP

Photographer

MSA
Pandora House
41 - 45 Lind Road
Sutton
Surrey SM1 4PP

METHODOLOGY

VISUALLY VERIFIED PHOTOMONTAGE

The following information outlines the methodology and information used by ArcMedia Limited to produce the visualisations contained within this document.

All of the methods employed are carried out to the highest level of accuracy achievable with the current technology and follow the guidelines set out in the Visual Representation of Development Proposals - Technical Guidance Note 06/19 (17th September 2019) from the Landscape Institute.

Visualisation Type 4

The visualisations provided in this report are referred to as Type 4 Photomontages by the Landscape Institute.

The purpose of the visualisations is to represent scale, appearance, context, form, and extent of development.

The visualisations will support a fully informed pre-application planning submission prepared by Steven Abbott Associates LLP and other associated consultants. A Type 4 Photomontage visualisation being more than acceptable for these purposes.

Photography & Image Matching

The visualisations enclosed have been produced with survey-verified photography.

For each visualisation in this report the camera location and target points have been surveyed and supplied in 3D CAD format. Data for each of the views is presented within this document.

Capture of this data allows for the camera and fixed target points in each view to be calculated within centimetre accuracy. By matching the 3D model camera position and survey geometry of the view to the original photograph at pixel level provides a survey-verified photomontage.

This method of aligning 3D models to photographs using surveyed reference or target points is referred to as 'Image Matching' by the Landscape Institute.

Viewpoint Selection & Site Visit

The site was visited by a member of the ArcMedia Limited team on the 21st May 2020 to review the proposed viewpoints supplied by Steven Abbott Associates LLP. Following review and approval of the viewpoints, a survey & photography brief was prepared and issued to MSA with the viewpoint locations required.

Verification Points

MSA attended the site on the 15th June 2020 to carry out the survey of the three specified viewpoints and capture the corresponding photographic backplates from the three locations.

The location points were marked on the ground by MSA for each viewpoint with a nail in order to allow positioning of the survey equipment and camera in precisely the same locations. A selection of key reference/target points were then recorded by MSA and marked up on the associated photographs. The reference/target point data was then recorded by MSA and supplied digitally in 3D CAD format. The data sheet for each reference/target point for the views can be seen on the individual view data pages in this document.

Verification Process

ArcMedia Limited created a digital 3D model of the proposed new development from the architectural drawings and information supplied by John Coward

Architects Limited. This 3D model was then precisely aligned to the 3D survey data supplied by MSA in Autodesk 3DS Max, an industry standard 3D modelling and rendering software package.

At each of the viewpoint location points within the 3D model scene, a virtual camera was positioned. The virtual camera was then adjusted to align the surveyed CAD reference/target points with the corresponding points in the photographic backplate (original photograph). These positions are indicated on MSAs target/reference photographs.

Once this was complete, the position of the proposed development could be viewed in relation to the existing context, completing the camera matching process.

The 3D model scene was then set up to match the sun position and atmospherics along specified materiality of the proposed design. A rendering was then output at precisely the same resolution, scale and proportion as the original photograph. This render was then overlaid in Adobe Photoshop image editing software, with the relevant foreground elements masked out. Allowing a direct comparison of the existing and proposed development.

Photography Information

Visualisation:	Type 4
Camera Location:	Viewpoint Specific Survey
Accuracy:	Centimetres
Lens Choice:	35mm lens selected in order to capture suitable level of local context in each viewpoint.

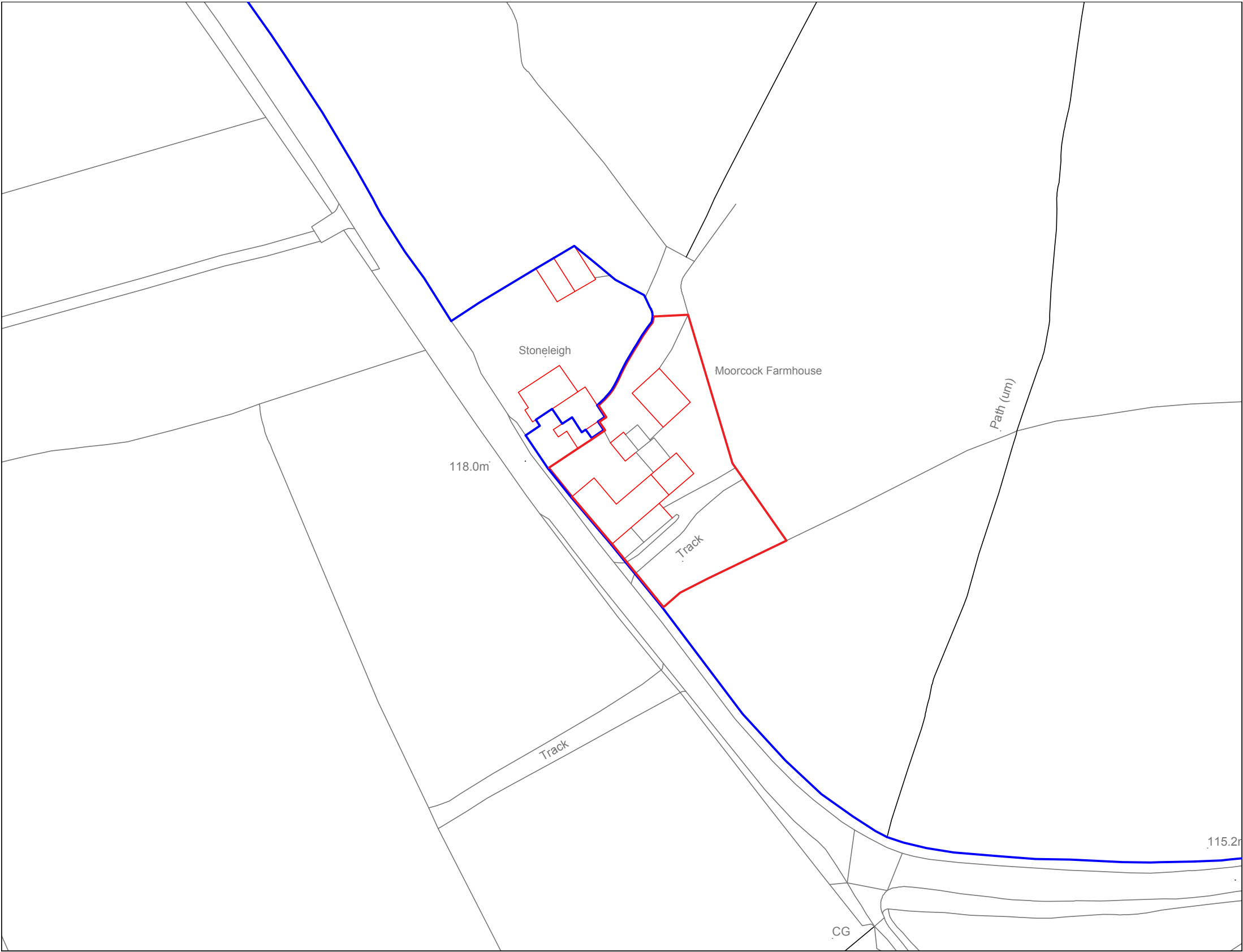
3D Model / Visualisation

Topographical Data	:	Combination of survey, OS plan.
Model & camera locations:		Based on survey locations
Elements used in views as target points to check vertical & horizontal alignment:		See viewpoint data pages
3D Modelling / Rendering Software:		3DS Max 2019 with Corona rendering engine



SITE LOCATION

MOORCOCK FARM BARNS, CLITHEROE ROAD, MOOR NOOK, LANCASHIRE PR3 2YT



VIEWPOINTS

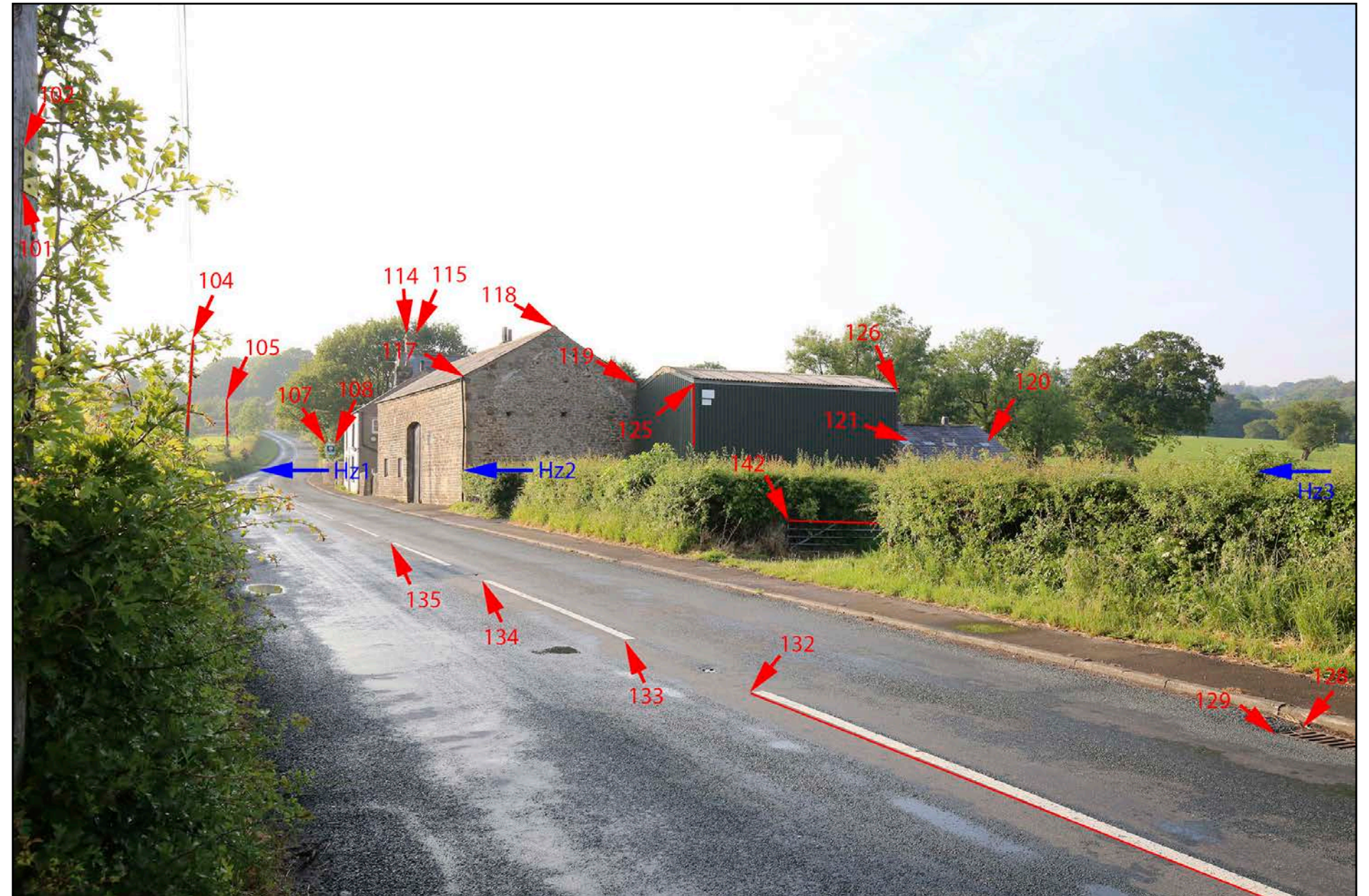
SELECTED VIEWPOINT LOCATIONS



V1 - CLITHEROE ROAD

PHOTOGRAPHY & SURVEY

DATA POINTS



Location: Survey nail in grass

Camera height: 1.60m

Coordinates (E N H): 365306.970 437808.687 117.834

Camera: Canon EOS 6D

Lens: Canon Zoom Lens EW82 16-35mm

Focal length: 35mm

Shift/Tilt: None

Date and time: 15/06/2020 19:48

Projection: Planar

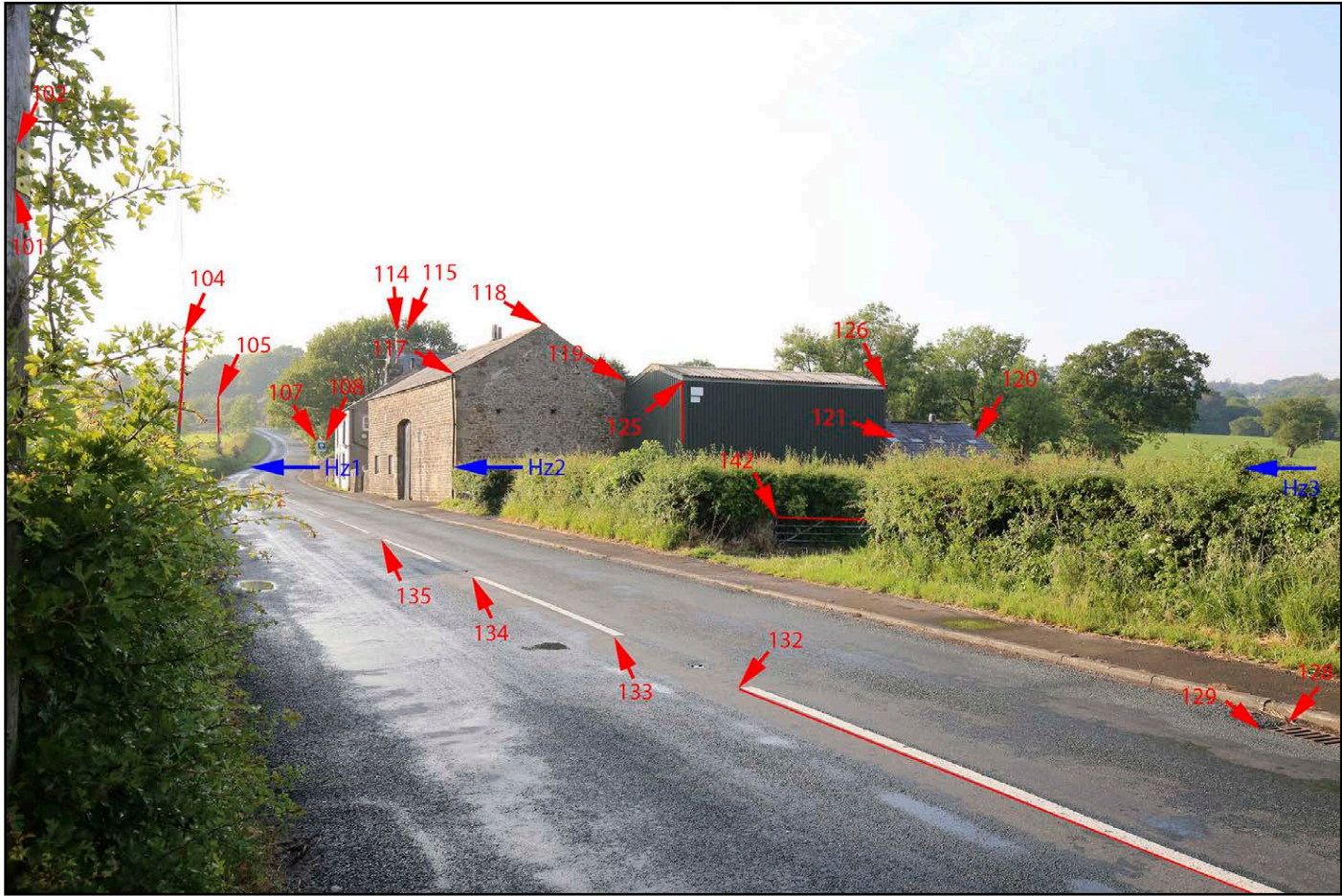
Direction: North



V1 - CLITHEROE ROAD

SURVEY DATA

	Easting	Northing	Height	Description
V1	365306.970	437808.687	117.834	Camera point
101	365305.54	437810.15	119.89	Corner of yellow sign on the post
102	365305.54	437810.15	119.96	Corner of yellow sign on the post
104	365270.91	437854.05	126.01	Top of the wooden post
105	365241.41	437895.75	126.13	Top of the wooden post
107	365261.30	437880.94	121.50	White corner of 'FOR SALE' sign
108	365261.79	437881.27	121.50	White corner of 'FOR SALE' sign
114	365268.03	437880.95	129.84	Corner of chimney
115	365268.46	437881.26	129.84	Corner of chimney
117	365289.52	437845.28	123.01	Corner of the roof
118	365292.42	437847.39	125.15	Corner of the roof
119	365295.13	437849.65	123.01	Corner of the roof
120	365309.45	437864.39	120.92	Right corner of roof window
121	365305.65	437861.15	120.93	Right corner of roof window
125	365298.43	437845.69	122.61	Corner of roof buidling material
126	365305.46	437851.67	122.61	Corner of roof buidling material
128	365309.29	437816.42	117.75	Gully corner
129	365309.10	437816.25	117.75	Gully corner
132	365305.67	437816.28	117.84	Corner of white road markings
133	365304.08	437818.32	117.84	Corner of white road markings
134	365300.63	437822.71	117.87	Corner of white road markings
135	365295.71	437829.01	117.91	Corner of white road markings
142	365304.27	437828.38	118.50	Corner of gate bar



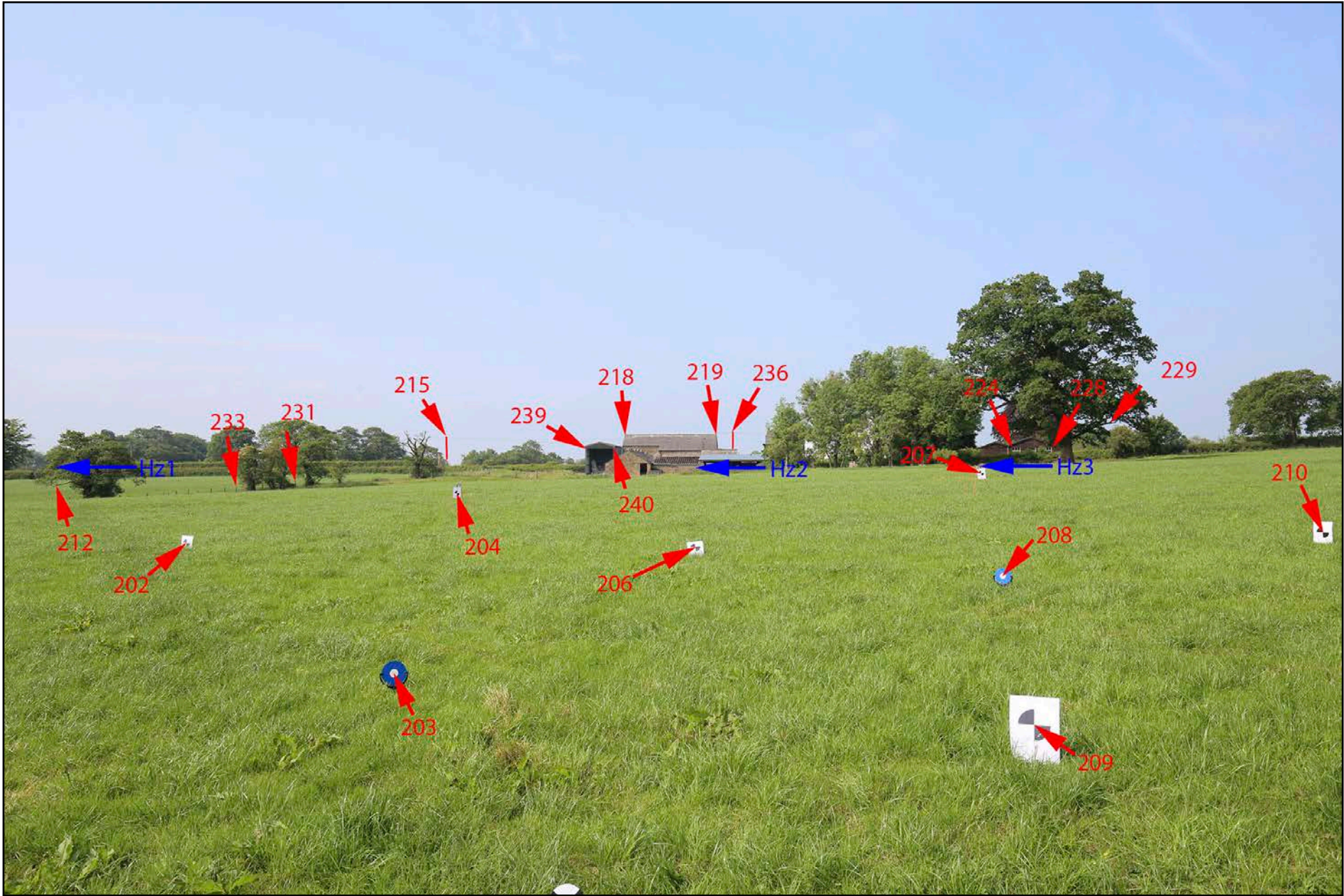
Horizontal points @ 1.60m

- H1 Just above white road marking
H2 Bottom of visible part of down pipe
H3 Middle of the black visible part of hedge plant

V2 - PUBLIC FOOTPATH

PHOTOGRAPHY & SURVEY

DATA POINTS



Location: Survey nail in grass

Camera height: 1.60m

Coordinates (E N H): 365423.885 437990.547 117.60

Camera: Canon EOS 6D

Lens: Canon Zoom Lens EW82 16-35mm

Focal length: 35mm

Shift/Tilt: None

Date and time: 15/06/2020 10:04

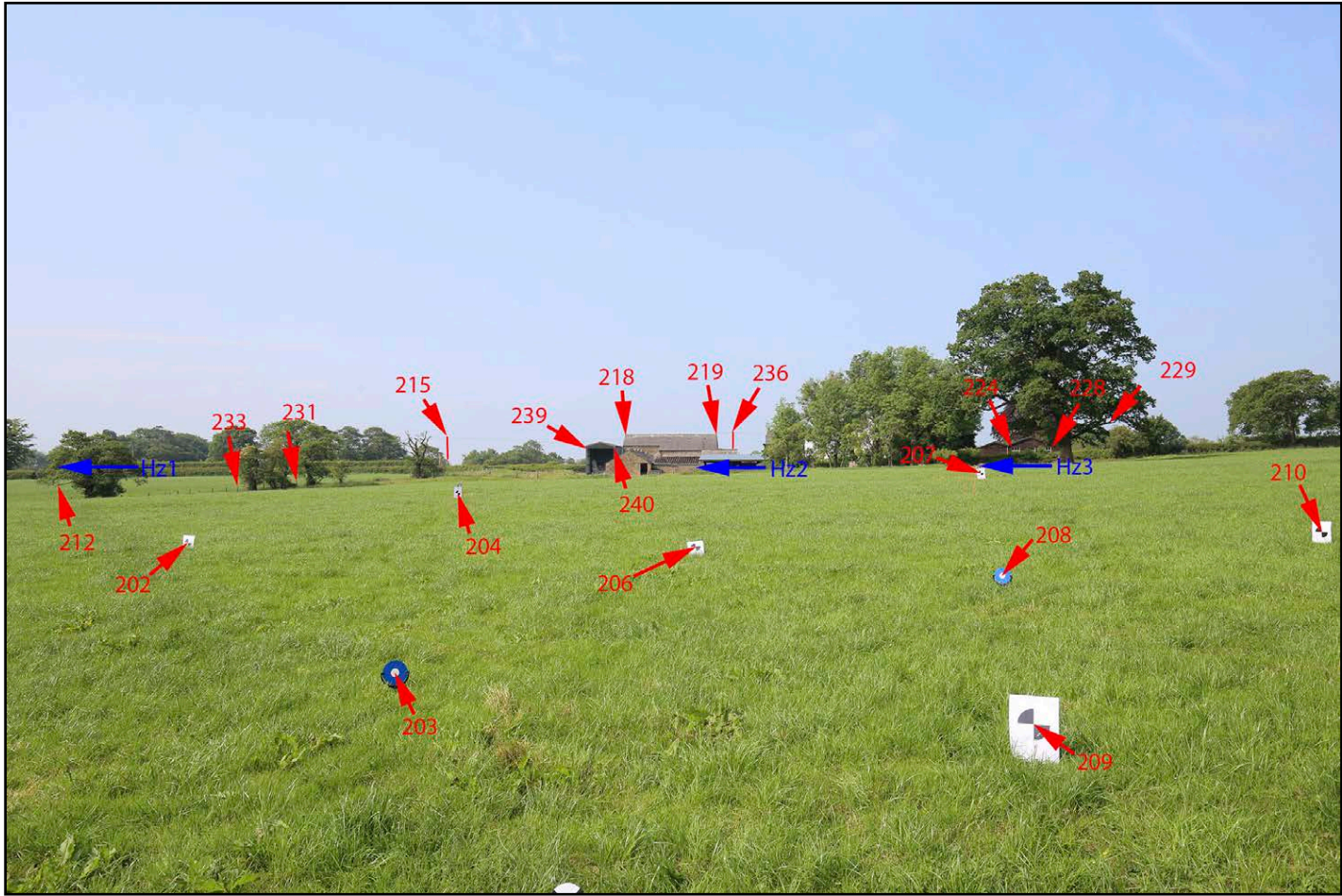
Projection: Planar

Direction: South West

V2 - PUBLIC FOOTPATH

SURVEY DATA

	Easting	Northing	Height	Description
V2	365423.885	437990.547	117.604	Camera point
202	365416.38	437971.08	117.90	Middle of the target
203	365420.23	437984.41	117.92	Middle of the target
204	365408.01	437966.88	118.53	Middle of the target
206	365413.20	437980.31	118.12	Middle of the target
207	365397.72	437976.01	119.03	Middle of the target
208	365414.56	437985.55	118.19	Middle of the target
209	365419.24	437988.17	118.05	Middle of the target
210	365408.72	437986.68	118.40	Middle of the target
212	365391.16	437874.05	117.63	Meeting point of three parts of branch
215	365305.61	437810.17	125.29	Top of the wooden post
218	365292.41	437847.40	125.14	Corner of the roof
219	365281.69	437859.91	125.09	Corner of the roof
224	365284.39	437918.02	121.93	White corner of window frame
228	365281.68	437922.46	121.94	White corner of window frame
229	365324.86	437948.84	123.26	Meeting point of two parts of branch
231	365359.78	437858.54	117.47	Top of the wooden post
233	365369.20	437862.98	117.02	Top of the wooden post
236	365270.88	437854.14	125.98	Top of the wooden post
239	365305.34	437851.87	122.32	Corner of green building entrance
240	365302.40	437855.31	122.33	Corner of green building entrance



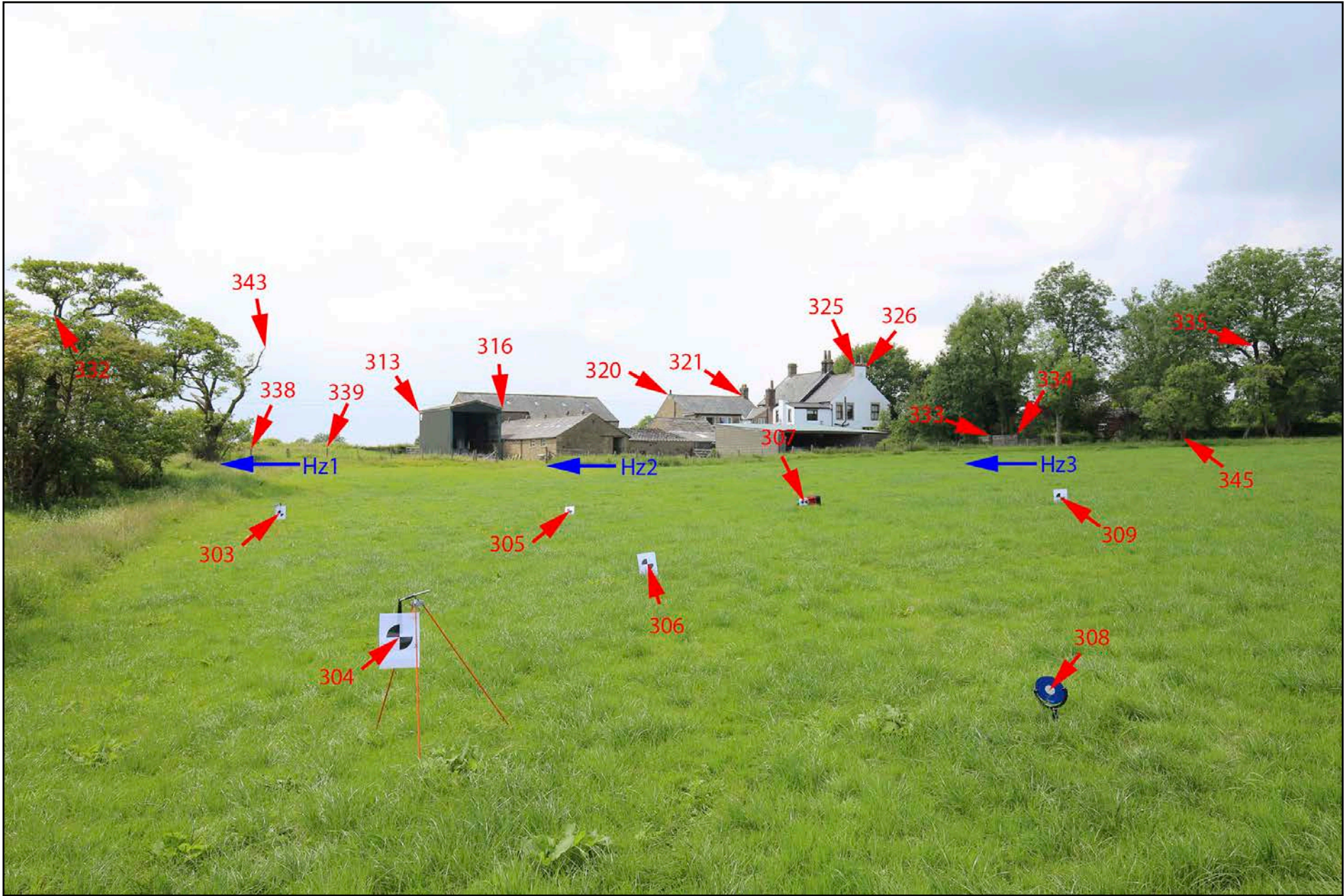
Horizontal points @ 1.60m

- H_z1 Middle of 'shadow' part of tree branch
H_z2 Half way between the posts and the grey roof
H_z3 SiLver part of target holder

V3 - PUBLIC FOOTPATH

PHOTOGRAPHY & SURVEY

DATA POINTS



Location: Survey nail in grass

Camera height: 1.60m

Coordinates (E N H): 365395.782 437886.951 115.829

Camera: Canon EOS 6D

Lens: Canon Zoom Lens EW82 16-35mm

Focal length: 35mm

Shift/Tilt: None

Date and time: 15/06/2020 13:25

Projection: Planar

Direction: West



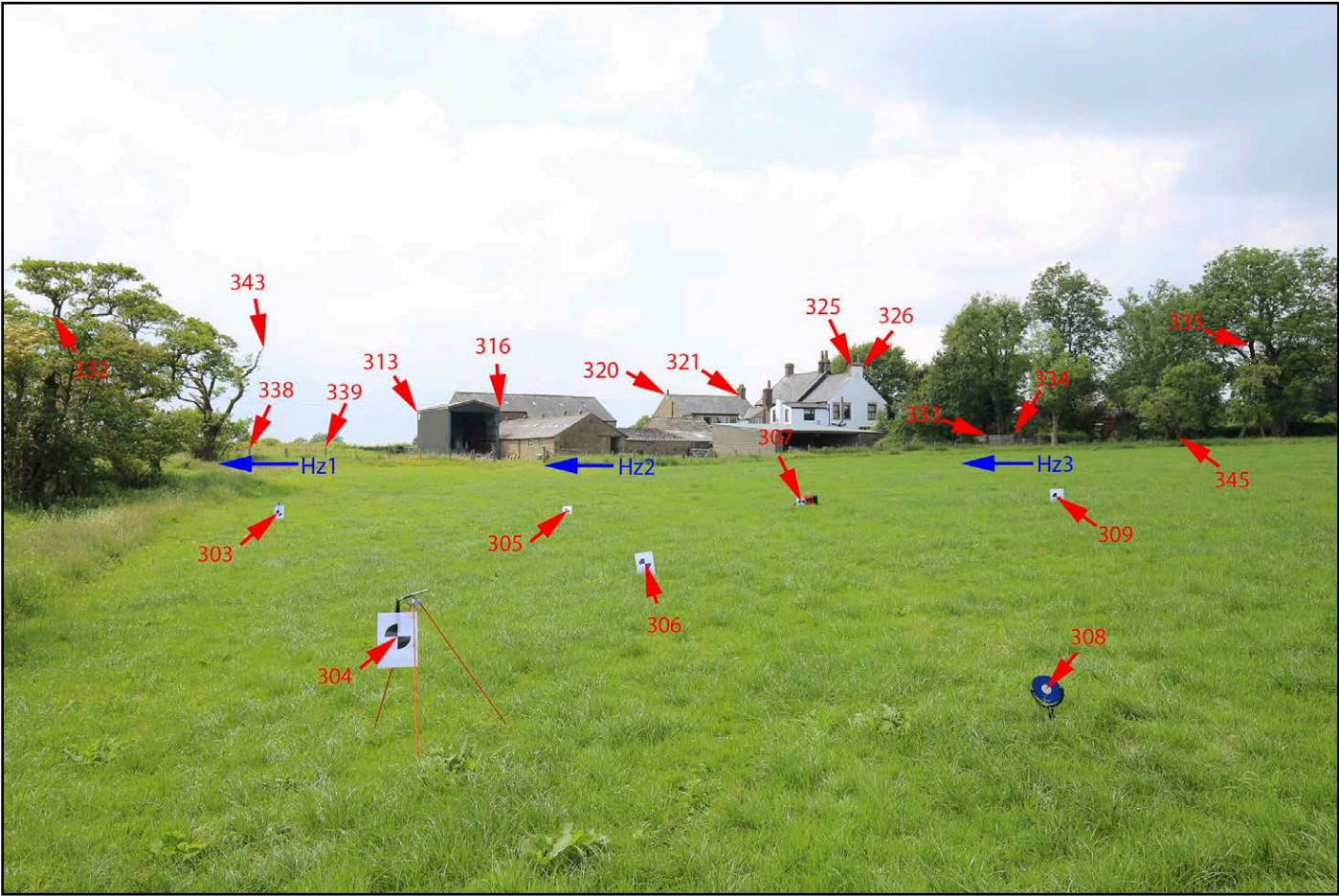
V3 - PUBLIC FOOTPATH

SURVEY DATA

	Easting	Northing	Height	Description
V3	365395.782	437886.951	115.829	Camera point
303	365374.42	437874.70	116.36	Middle of the target
304	365390.41	437884.61	116.50	Middle of the target
305	365372.27	437880.75	116.34	Middle of the target
306	365384.13	437884.81	116.28	Middle of the target
307	365374.56	437886.30	116.65	Middle of the target
308	365390.25	437888.02	116.28	Middle of the target
309	365377.67	437890.67	116.86	Middle of the target
313	365298.43	437845.73	122.82	Corner of the roof
316	365302.21	437855.62	122.78	Corner of the roof
320	365276.56	437867.40	125.68	Corner of the roof
321	365270.83	437875.45	125.76	Corner of the roof
325	365279.51	437889.01	128.33	Corner of white building wall
326	365278.62	437890.22	128.34	Corner of white building wall
332	365359.29	437856.40	123.40	Sharp element of tree branch
333	365298.83	437900.69	119.93	Top left corner of fence post
334	365300.14	437902.96	120.02	Top right corner of fence post
335	365313.24	437917.57	126.21	Sharp element of tree branch
338	365333.67	437849.17	118.50	Top of the wooden post
339	365330.87	437852.98	118.56	Top of the wooden post
343	365336.29	437851.72	124.77	Sharp element of tree branch
345	365320.95	437910.34	119.29	Corner of 'V' shape tree trunk

Horizontal points @ 1.60m

- H_z1 Just below wooden post
H_z2 Just below gate post
H_z3 Just above darker grass



V1 - CLITHEROE ROAD

ORIGINAL PHOTOGRAPH



V1 - CLITHEROE ROAD

TYPE 4 PHOTOMONTAGE OF PROPOSALS



V2 - PUBLIC FOOTPATH

ORIGINAL PHOTOGRAPH



V2 - PUBLIC FOOTPATH

TYPE 4 PHOTOMONTAGE OF PROPOSALS



V3 - PUBLIC FOOTPATH

ORIGINAL PHOTOGRAPH



V3 - PUBLIC FOOTPATH

TYPE 4 PHOTOMONTAGE OF PROPOSALS





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