BETTY BARN

SLAIDBURN RD, WADDINGTON

VISUALLY VERIFIED MONTAGE REPORT

11/11/19

SITE LOCATION

BETTY BARN, SLAIDBURN ROAD, WADDINGTON

VIEWPOINT SURVEY

LOCATIONS

Fig.1

METHODOLOGY

VVM

ArcMedia Limited were commissioned in August 2019 to produce a set of visually verified montages (VVMs) for the proposed resdential development at Betty Barn, Slaidburn Road, Waddington, Lancashire on behalf of Ingham & Yorke LLP..

The VVMs contained within this document have been created from data supplied by the following 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

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

Introduction
The following information outlines the methodology applied by ArcMedia Limited to produce the VVMs 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 second edition of Guidelines for Landscape and Visual Impact Assessment produced by The Landscape Institute.

Site Visit
The site was visited by ArcMedia Limited on the 6th August 2019 to review the proposed viewpoints supplied by Steven Abbott Associates LLP. Following approval of the viewpoints, a survey brief was then supplied to MSA with the precise locations required.

MSA attended the site on the 3rd October 2019 to carry out the survey of the four specified viewpoints and capture the corresponding photographic backplates from the four locations.

Verification Points
The location points were marked on the ground by MSA for each viewpoint with a nail to allow positioning of the survey equipment and camera in precisely the same positions. A selection of key reference points were then recorded by MSA and marked up on the associated photographs (see fig. 2 & 5). The reference point data was then recorded by MSA and supplied digitally in 3D CAD format. This data sheet for each reference point can be seen on page 6 of this document for view 1, page 10 for view 2.

Each of the corresponding digital photographs were shot with a full frame digital SLR camera (Canon EOS 6D) using a 24mm lens at the 1.6m above ground level.

Verification Process
ArcMedia Limited created a digital 3D massing model of the proposed new buildings using 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 modeling and rendering software package.

At each of the location points within the 3D model scene, a virtual camera was placed. The virtual camera was then adjusted to align the surveyed CAD reference points with the corresponding points within the photographic backplate. These positions are indicated on MSAs marked up photographs (see fig. 2 & 5). Once this was complete the position of the proposed development could be viewed in relation to the existing context (surveyed reference points), completing the camera matching process.

Rendering
All four VVMs were supplied as fully rendered photomontage images (see fig 4 & 7).

1 - SLAIDBURN ROAD (VIEW NORTH)

LOCATION / VIEWPOINT - VBB01

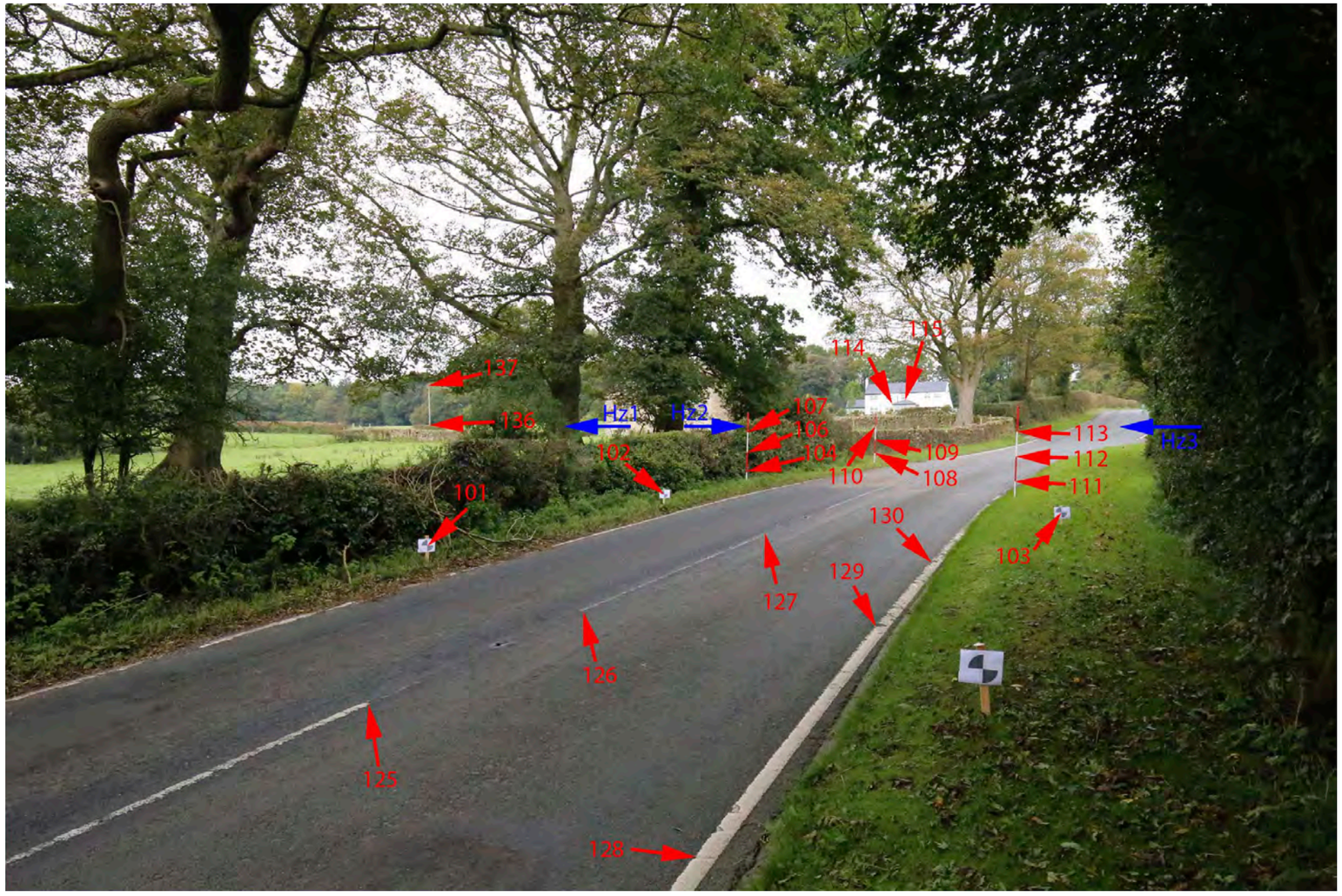

Fig.2 SURVEY POINTS

CAMERA LOCATION

Marker:	Peg in grass with pk na
Details:	Camera height: 1.60m
Coordinates:	372426.963 444319.513 115.283
Camera:	Canon EOS 6D
Lens:	Canon Zoom Lens EW82 16-35mm
Focal length:	24mm
Shift/Tilt:	None
Date and time:	03/10/19 10.02

1 - SLAIDBURN ROAD (VIEW NORTH)

POINT SURVEY DATA - VBB01

Name VBB01

	Easting	Northing	Height	Description
Camera Position				
VBB01	372426.963	444319.513	115.283	Camera point
101	372416.66	444326.20	115.87	Target
102	372414.46	444333.17	116.33	Target
103	372422.39	444332.82	116.22	Target
104	372412.99	444337.87	116.74	Ranging pole
106	372413.02	444337.86	117.24	Ranging pole
107	372413.04	444337.85	117.74	Ranging pole
108	372409.86	444349.90	117.37	Ranging pole
109	372409.89	444349.90	117.87	Ranging pole
110	372409.92	444349.90	118.37	Ranging pole
111	372419.89	444337.59	116.57	Ranging pole
112	372419.92	444337.57	117.07	Ranging pole
113	372419.94	444337.56	117.56	Ranging pole
114	372317.91	444522.62	132.39	Roof line
115	372320.98	444523.93	133.34	Roof line
125	372418.42	444331.30	115.82	White line
126	372417.36	444334.68	116.04	White line
127	372415.68	444340.41	116.40	White line
128	372424.60	444321.60	115.09	White line
129	372422.72	444326.94	115.42	White line
130	372421.59	444330.31	115.62	White line
136	372262.04	444427.79	128.96	Bottom of telegraph pole
137	372262.11	444427.87	125.85	Top of telegraph pole

Horizontal points @ 1.60m

Hz1	Middle of moss on tree
Hz2	Middle of red area on ranging pole
Hz3	Under cats eye in road

1 - SLAIDBURN ROAD (VIEW NORTH)

ORIGINAL SURVEY PHOTOGRAPH - VBB01

Fig.3

1 - SLAIDBURN ROAD (VIEW NORTH)

VVM - PROPOSED DEVELOPMENT - VBB01

Fig.4

2 - SALIDBURN ROAD NEW ACCESS

LOCATION / VIEWPOINT - VBB02

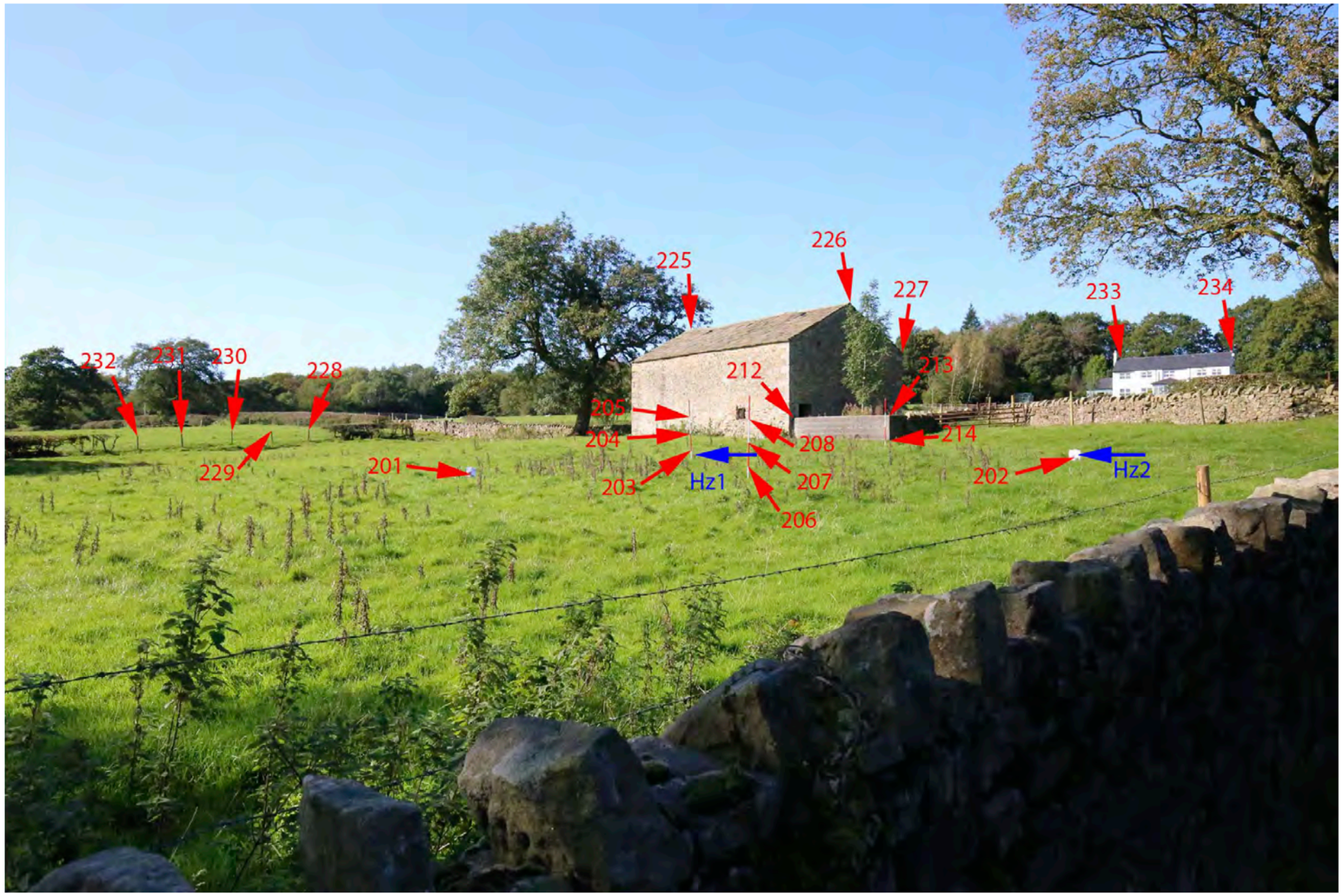

Fig.5 SURVEY POINTS

CAMERA LOCATION

Marker:	Peg in grass with pk na
Camera height:	1.60m
Coordinates:	372426.963 444319.513 115.283
Camera:	Canon EOS 6D
Lens:	Canon Zoom Lens EW82 16-35mm
Focal length:	24mm
Shift/Tilt:	None
Date and time:	03/10/19 10.02

2 - SALIDBURN ROAD NEW ACCESS

POINT SURVEY DATA - VBB02

Name VBB02

	Easting	Northing	Height	Description
Camera Position				
VBB02	372409.489	444351.049	117.022	Camera point
201	372390.32	444358.67	118.17	Target
202	372398.47	444368.65	118.58	Target
203	372387.44	444366.65	118.74	Ranging pole
204	372387.45	444366.61	119.24	Ranging pole
205	372387.46	444366.58	119.73	Ranging pole
206	372394.39	444363.23	118.37	Ranging pole
207	372394.41	444363.22	118.87	Ranging pole
208	372394.43	444363.21	119.37	Ranging pole
212	372378.56	444378.53	120.24	Top of wall
213	372383.76	444379.12	120.21	Top of wall
214	372383.76	444379.13	119.29	Bottm of wall
225	372366.85	444381.15	125.83	Roof line
226	372378.16	444382.49	125.94	Roof line
227	372377.63	444386.82	123.82	Roof line
228	372330.84	444368.27	120.59	Top of fence post
229	372331.42	444365.34	120.44	Top of fence post
230	372331.94	444362.40	120.38	Top of fence post
231	372332.32	444358.93	120.13	Top of fence post
232	372332.37	444356.10	119.92	Top of fence post
233	372310.49	444523.77	137.74	Roof line
234	372329.07	444529.37	137.73	Roof line

Horizontal points @ 1.60m

Hz1 Middle of white area on ranging pole
Hz2 Top quarter of target

2 - SALIDBURN ROAD NEW ACCESS

ORIGINAL SURVEY PHOTOGRAPH - VBB02

Fig.6

2 - SALIDBURN ROAD NEW ACCESS

VVM - PROPOSED DEVELOPMENT - VBB02

Fig.7

ARC/MEDIA

COMPUTER GENERATED IMAGERY

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