Document

8.7.4.2

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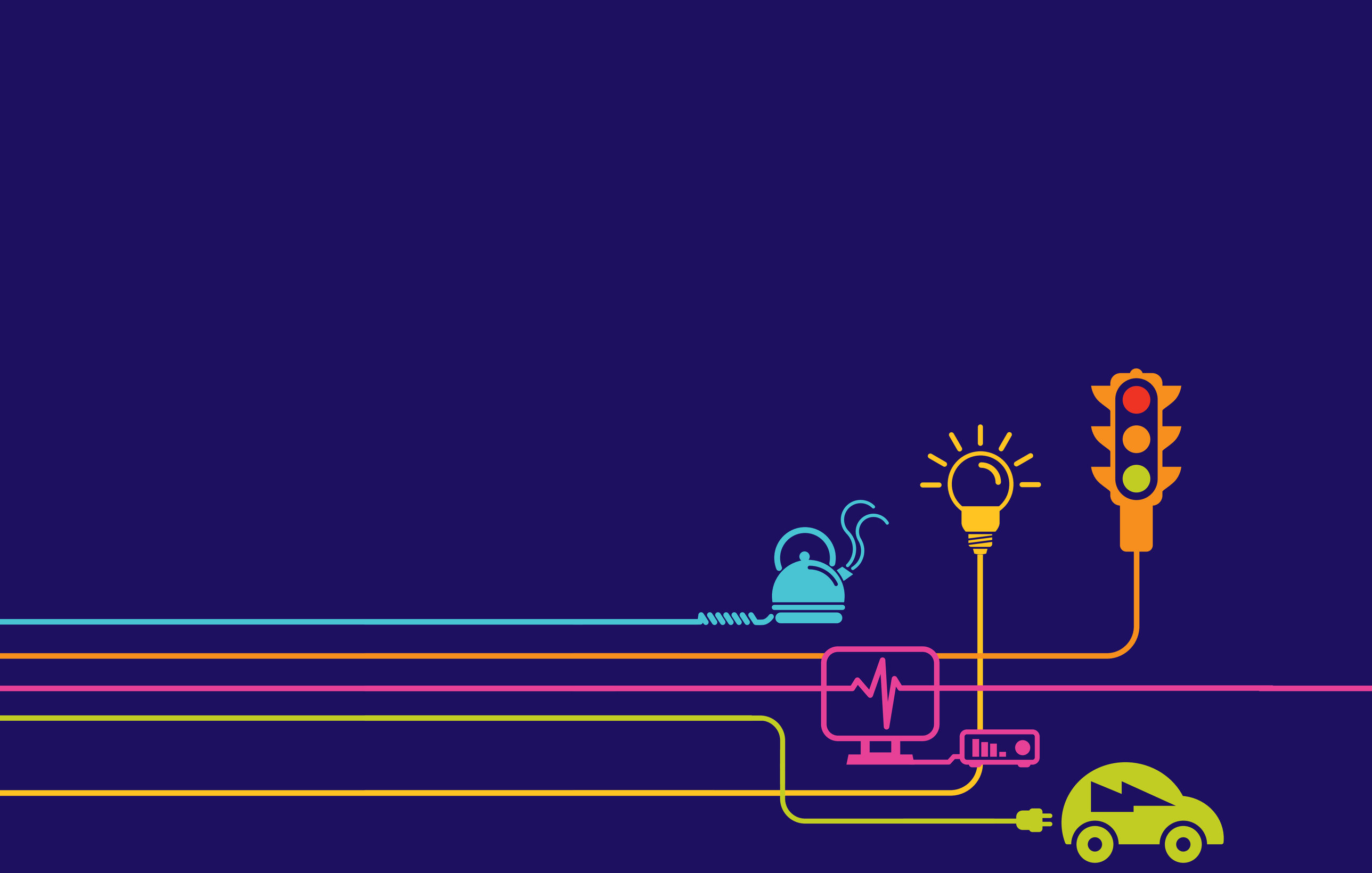
Updated Verified Photomontages

Part 2

Hinkley Point C Connection Project

Regulation 5(2)(a) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009



Application Reference EN020001

March 2015

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Hinkley Point C Connection Project

Volume 8.7.4 – Updated Photomontages (orange highlight indicates the contents of this Volume)

Figure	Title	Replaces previously submitted photomontage (Volume/Figure)
Volume 8.7.4.1		
8.7.4.1	VPB12 during operation	Replaces **Volume 5.18.2.4, Figure 18.2.20**
8.7.4.2	VPB20 on completion and after 15 years	Replaces **Volume 5.18.2.5, Figure 18.2.29**
8.7.4.3	VPC2 on completion and after 15 years	Replaces **Volume 5.18.2.7, Figure 18.2.40**
8.7.4.4	VPC6 on completion and after 15 years	Replaces **Volume 5.18.2.7, Figure 18.2.44**
Volume 8.7.4.2		
8.7.4.5	VPC15 during operation	Replaces **Volume 5.18.2.7, Figure 18.2.45**
8.7.4.6	VPC8 during operation	Replaces **Volume 5.18.2.8, Figure 18.2.47**
8.7.4.7	VPC12 on completion and after 15 years	Replaces **Volume 5.18.2.8, Figure 18.2.51**
8.7.4.8	VPC16 during operation	Replaces **Volume 5.18.3, Figure 18.3.2**
Volume 8.7.4.3		
8.7.4.9	VPF1 preferred route Option A and alternative route Option B during operation	Replaces **Volume 5.18.2.16, Figure 18.2.92**
8.7.4.10	VPG2 during operation	Replaces **Volume 5.18.2.18, Figure 18.2.100**
8.7.4.11	VPG3 during operation	Replaces **Volume 5.18.2.18, Figure 18.2.101**
8.7.4.12	VPG5 during operation	Replaces **Volume 5.18.2.18, Figure 18.2.103**
Volume 8.7.4.4		
8.7.4.13	VPG7 during operation	Replaces **Volume 5.18.2.19, Figure 18.2.105**
8.7.4.14	VPG8 preferred route Option A and alternative route Option B during operation	Replaces **Volume 5.18.2.19, Figure 18.2.106**

Existing view

Existing view from Christon Road opposite the Church at Christon looking south towards the F Route running parallel to the M5 motorway across fields at the foot of Crook Peak and running through Loxton Gap and across the Somerset Levels and Moors in Section B (Section C)

Anticipated view during operation

Anticipated view of the 400kV underground cables in the Mendip Hills AONB in Section C, and of the 400kV overhead line supported by T-pylons, the upper part of the South of Mendip Hills cable sealing end compound and the River Axe cable bridge in Section B, barely perceptible during operation, with the F Route removed

Viewing Information

This is a composite image made up of 3 No. 50mm photographs joined together horizontally to form an overall field of view which is wider than that seen in detail by the human eye.

For correct perspective viewing, this image must be viewed at an exact distance of 300mm with one eye whilst curving the image in an exact arc of 78.26 degrees. This image should only be assessed in the real landscape from the same viewpoint.

When not in the real landscape in order to provide an accurate representation images should be viewed with one eye by panning across a flat image with the eye remaining at the recommended viewing distance of 300mm from the image.

'This document relates to paragraph 5(2)(q) of the Infrastructure Planning (Applications: prescribed forms and procedure) Regulations 2009'

Light Detection and Ranging (LIDAR) level data typically at 40 points per/m2 and also data at 1m and 2m intervals was used for topographical information.

T-pylon

- Frame - light grey composite material, circular shape
- Insulator - light blue/grey composite material
- Twin conductor bundle

River Axe Cables Bridge Option

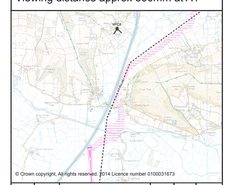
- The installation of the proposed 400kV underground cables will be undertaken using either HDD or cable bridge. The cable bridge option is shown on this photomontage; however the installation option will be selected at a later date in the event that consent is granted in accordance with the DCO
- Colours shown are for illustrative purposes only
- The detailed design of the bridge will be determined at a later date in the event that consent is granted in accordance with Schedule 3, Requirement 32

Date of photograph: 04/04/2013
Lens type:50mm (digital full frame camera)

Distance to the nearest section of 400kV underground cable route: 901m
Distance to South of Mendip Hills cable sealing end compound: 2801m
Distance to the nearest proposed T-pylon: 3020m
OS reference of viewpoint:
X= 337958.233 Y= 157264.847

Direction of view: 173° (south east)
Viewpoint height: 41.143m AOD

Horizontal field of view: 78.26°
Viewing distance approx 300mm at A1



ISSUE	DATE	COMMENTS	DRAW	CHK'D	APP'D
A	19/03/2015	Submission to ExA	LG	NH	NH

Title

NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
VOLUME 8.7.4
VERIFIED PHOTOMONTAGE
VIEWPOINT VPC15
(REPLACES PREVIOUSLY SUBMITTED VOLUME 5.18.2.7, FIGURE 18.2.45)

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National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA

NG INVESTMENT No.	APPLICATION No.		IN
20897	EN020001		A1
FIGURE No. 8.7.4.5	DRAWING No. IN1979.011A		SCALE NTS
SHEET 1 OF 1			ISSUE A

Existing view

Existing view from PRoW AX21/2 on higher ground west of properties at Loxton looking south towards the F Route across the Somerset Levels and Moors in Section B (Section C)

Anticipated view during operation

Anticipated view of the 400kV overhead line supported by T-pylons, the South of Mendip Hills cable sealing end compound and the River Axe cable bridge in Section B, visible above the trees during operation, with the F Route removed

Viewing Information

This is a composite image made up of 3 No. 50mm photographs joined together horizontally to form an overall field of view which is wider than that seen in detail by the human eye.

For correct perspective viewing, this image must be viewed at an exact distance of 300mm with one eye whilst curving the image in an exact arc of 79.87 degrees. This image should only be assessed in the real landscape from the same viewpoint.

When not in the real landscape in order to provide an accurate representation images should be viewed with one eye by panning across a flat image with the eye remaining at the recommended viewing distance of 300mm from the image.

'This document relates to paragraph 5(2)(q) of the Infrastructure Planning (Applications: prescribed forms and procedure) Regulations 2009'

Light Detection and Ranging (LIDAR) level data typically at 40 points per/m2 and also data at 1m and 2m intervals was used for topographical information.

T-pylon

- Frame - light grey composite material, circular shape
- Insulator - light blue/grey composite material
- Twin conductor bundle

River Axe Cables Bridge Option

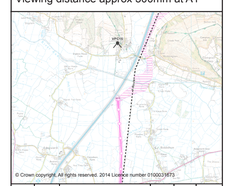
- The installation of the proposed 400kV underground cables will be undertaken using either HDD or cable bridge. The cable bridge option is shown on this photomontage; however the installation option will be selected at a later date in the event that consent is granted in accordance with the DCO
- Colours shown are for illustrative purposes only
- The detailed design of the bridge will be determined at a later date in the event that consent is granted in accordance with Schedule 3, Requirement 32

Date of photograph: 05/04/2013
Lens type:50mm (digital full frame camera)

Distance to the nearest section of 400kV underground cable route: 1058m
Distance to South of Mendip Hills cable sealing end compound: 1291m
Distance to the nearest proposed T-pylon: 1512m
OS reference of viewpoint:
X= 337327.431 Y= 155818.946

Direction of view: 178.55° (south east)
Viewpoint height: 23.109m AOD

Horizontal field of view: 79.87°
Viewing distance approx 300mm at A1



ISSUE	DATE	COMMENTS	DRAW	CHK'D	APP'D
A	19/03/2015	Submission to ExA	LG	NH	NH

Title

NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
VOLUME 8.7.4
VERIFIED PHOTOMONTAGE
VIEWPOINT VPC8
(REPLACES PREVIOUSLY SUBMITTED VOLUME 5.18.2.8, FIGURE 18.2.47)

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National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA

NG INVESTMENT No.	APPLICATION No.		IN
20897	EN020001		A1
FIGURE No. 8.7.4.6	DRAWING No. IN1979.011A		SCALE NTS
SHEET 1 OF 1			ISSUE A

Existing view

Existing view from PRoW AX3/47 on the eastern slopes of Banwell Hill looking northeast towards the F Route, N Route and the AT Route visible above trees across the Somerset Levels and Moors in Section D (Section C)

Anticipated view on completion

Anticipated view of the 400kV underground cables route, Sandford Substation, the 400kV overhead line supported by T-pylons, the AT Route connection on steel lattice pylons and the Towerhead Brook cable bridge in Section D, including mitigation planting on completion (with the F Route, a section of the AT Route and seven trees removed)

Anticipated view during operation after 15 years

Anticipated view of the 400kV underground cables route, Sandford Substation, the 400kV overhead line supported by T-pylons, the AT Route connection on steel lattice pylons and the Towerhead Brook cable bridge in Section D during operation, including mitigation planting after 15 years (with the F Route, a section of the AT Route and seven trees removed)

Viewing Information

This is a composite image made up of 4 No. 50mm photographs joined together horizontally to form an overall field of view which is wider than that seen in detail by the human eye.

For correct perspective viewing, this image must be viewed at an exact distance of 300mm with one eye whilst curving the image in an exact arc of 95.18 degrees. This image should only be assessed in the real landscape from the same viewpoint.

When not in the real landscape in order to provide an accurate representation images should be viewed with one eye by panning across a flat image with the eye remaining at the recommended viewing distance of 300mm from the image.

'This document relates to paragraph 5(2)(q) of the Infrastructure Planning (Applications: prescribed forms and procedure) Regulations 2009'

Light Detection and Ranging (LIDAR) level data typically at 40 points per/m2 and also data at 1m and 2m intervals was used for topographical information.

T-pylon

- Frame - light grey composite material, circular shape
- Insulator - light blue/grey composite material
- Twin conductor bundle

Steel lattice pylon

- Frame - grey steel material
- Insulator - light blue/grey composite material
- Twin conductor bundle

Towerhead Brook Cables Bridge

- Colours shown are for illustrative purposes only
- The detailed design of the bridge will be determined at a later date in the event that consent is granted in accordance with Schedule 3, Requirement 32

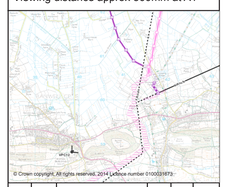
Date of photograph: 03/05/2013
Lens type:50mm (digital full frame camera)

Distance to the nearest section of 400kV underground cable route: 1705m
Distance to Sandford Substation: 2402m
Distance to the nearest proposed T-pylon: 2595m

OS reference of viewpoint:
X= 339832.949 Y= 158816.658

Direction of view: 47.57° (north east)
Viewpoint height: 82.392m AOD

Horizontal field of view: 95.18°
Viewing distance approx 300mm at A1



ISSUE	DATE	COMMENTS	DRAW	CHK'D	APP'D
A	19/03/2014	Submission to ExA	LG	NH	NH

Title

NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
VOLUME 8.7.4
VERIFIED PHOTOMONTAGE VIEWPOINT VPC12
(REPLACES PREVIOUSLY SUBMITTED VOLUME 5.18.2.8, FIGURE 18.2.51)

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National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA

NG INVESTMENT No.	APPLICATION No.		IN
20897	EN020001		A1
FIGURE No. 8.7.4.7	DRAWING No. IN1979.011A		SCALE NTS
SHEET 1 OF 1			ISSUE A

Existing view

Existing view from PRoW AX21/5 on rising ground north of Christon, from within Christon shrunken medieval village Scheduled Monument (asset ID SM166) looking south towards the F Route, parallel to the M5 motorway across fields on lower ground below Crook Peak in Section C and running through Loxton Gap and across the Somerset Levels and Moors in Section B. The view includes the Grade I Listed Parish Church of St Mary (asset ID LB60) in Christon (Section C)

Anticipated view during operation

Anticipated view of the 400kV underground cables route and removal of the F Route in the Mendip Hills AONB in Section C, and of the 400kV overhead line supported by T-pylons, the South of Mendip Hills cable sealing end compound and the River Axe cable bridge in Section B, barely perceptible during operation (with two trees removed)

Viewing Information

This is a composite image made up of 3 No. 50mm photographs joined together horizontally to form an overall field of view which is wider than that seen in detail by the human eye.

For correct perspective viewing, this image must be viewed at an exact distance of 300mm with one eye whilst curving the image in an exact arc of 79.98 degrees. This image should only be assessed in the real landscape from the same viewpoint.

When not in the real landscape in order to provide an accurate representation images should be viewed with one eye by panning across a flat image with the eye remaining at the recommended viewing distance of 300mm from the image.

'This document relates to paragraph 5(2)(q) of the Infrastructure Planning (Applications: prescribed forms and procedure) Regulations 2009'

Light Detection and Ranging (LIDAR) level data typically at 40 points per/m2 and also data at 1m and 2m intervals was used for topographical information.

T-pylon

- Frame - light grey composite material, circular shape
- Insulator - light blue/grey composite material
- Twin conductor bundle

River Axe Cables Bridge Option

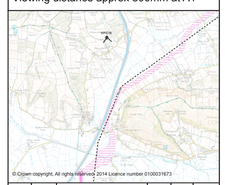
- The installation of the proposed 400kV underground cables will be undertaken using either HDD or cable bridge. The cable bridge option is shown on this photomontage; however the installation option will be selected at a later date in the event that consent is granted in accordance with the DCO
- Colours shown are for illustrative purposes only
- The detailed design of the bridge will be determined at a later date in the event that consent is granted in accordance with Schedule 3, Requirement 32

Date of photograph: 04/04/2013
Lens type:50mm (digital full frame camera)

Distance to the nearest section of 400kV underground cable route: 1228m
Distance to South of Mendip Hills cable sealing end compound: 3150m
Distance to the nearest proposed T-pylon: 3364m
OS reference of viewpoint:
X= 337929.516 Y= 157620.519

Direction of view: 173.15° (south east)
Viewpoint height: 79.677m AOD

Horizontal field of view: 79.98°
Viewing distance approx 300mm at A1



ISSUE	DATE	COMMENTS	DRAW	CHK'D	APP'D
A	19/03/2015	Submission to ExA	LG	NH	NH

Title

NATIONAL GRID (HINKLEY POINT C CONNECTION PROJECT)
VOLUME 8.7.4
VERIFIED PHOTOMONTAGE
VIEWPOINT VPC16
(REPLACES PREVIOUSLY SUBMITTED VOLUME 5.18.3, FIGURE 18.3.2)

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National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA

NG INVESTMENT No.	APPLICATION No.		IN
20897	EN020001		A1
FIGURE No. 8.7.4.8	DRAWING No. IN1979.011A		SCALE NTS
SHEET 1 OF 1			ISSUE A