

Norfolk Boreas Offshore Wind Farm Applicant's Responses to the Examining Authority's Further Written Questions Appendices

Section 9

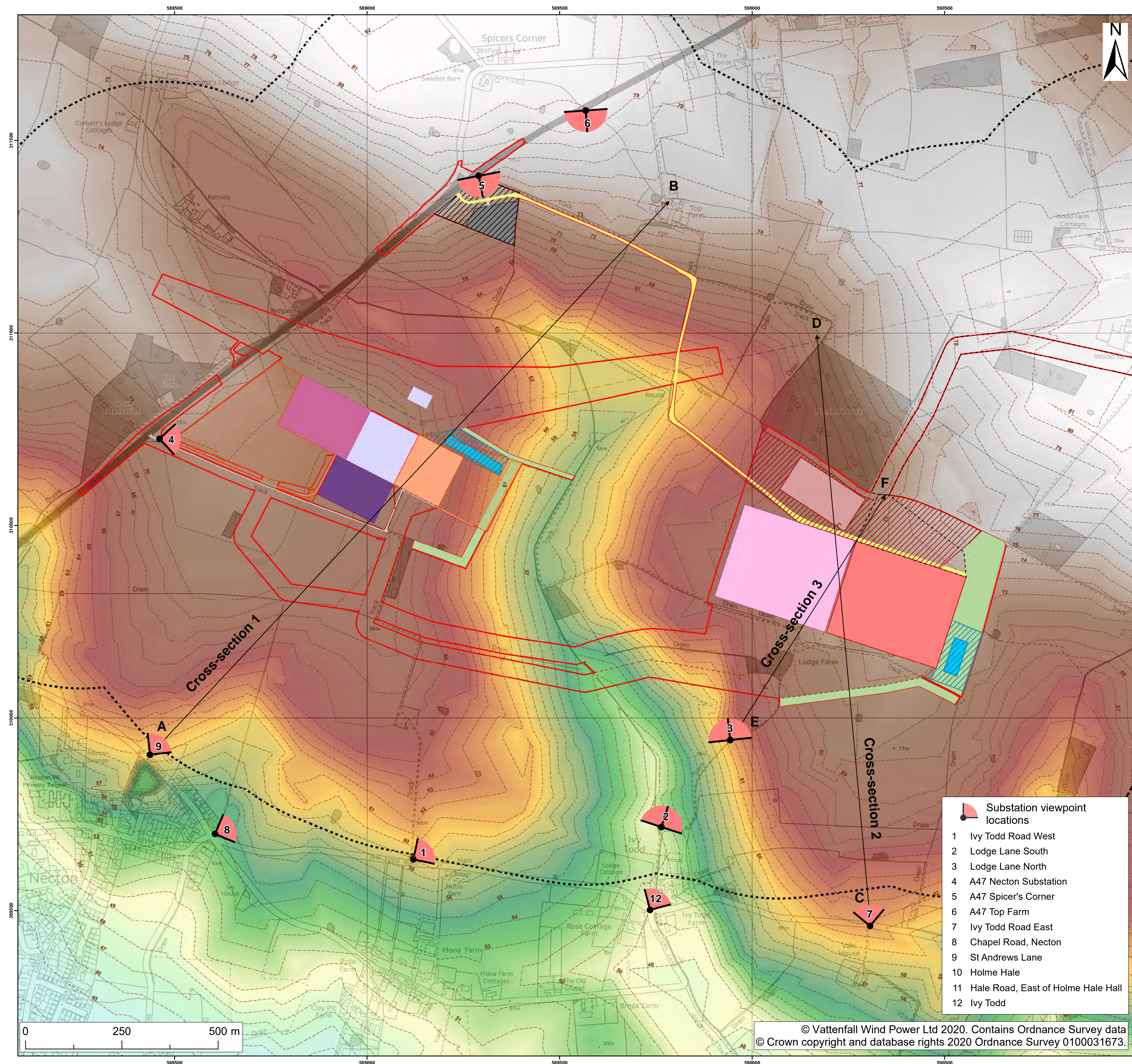
Appendices 9.1 and 9.2

Applicant: Norfolk Boreas Limited
Document Reference: ExA.FWQR.D5.V1
Deadline 5
Date: February 2020
Revision: Version 1

Norfolk Boreas Offshore Wind Farm Applicant's Responses to the Examining Authority's Further Written Questions Appendix 9.1

Additional Contour Plans and Cross Sections
(Questions 2.9.3.3)

Applicant: Norfolk Boreas Limited
Document Reference: ExA.FWQR.D5.V1
Deadline 5
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Legend:

- Norfolk Boreas onshore red line boundary
- Onshore cable route
 - Onshore cable route
 - Onshore 400kV cable route
- Mobilisation zone
 - Indicative mobilisation area compound
- Onshore project substation
 - Onshore project substation
 - Onshore project substation temporary construction compound zone
 - Indicative onshore project substation temporary construction compound
- Norfolk Vanguard
 - Norfolk Vanguard onshore project substation
 - Norfolk Vanguard National Grid substation extension
- National Grid
 - National Grid substation extension
 - National Grid temporary works
- Mitigation areas
 - Attenuation pond zone
 - Indicative attenuation pond
 - Indicative mitigation planting
- Access
 - Permanent access
 - Construction access
 - Operation access
- Existing substation locations
 - Dudgeon substation
 - Necton National Grid substation
- Study area 500m
- OS Terrain 5 Contours - 1m Interval
- OS Terrain 5 DTM Elevation (m)
 - High : 82.4
 - Low : 42.5

Project: Norfolk Boreas

Report: Responses to the ExA's Written Questions: For Information Only

Title: Scenario 1
Viewpoints: Onshore Project Substation / National Grid Substation Extension with Landform Elevation

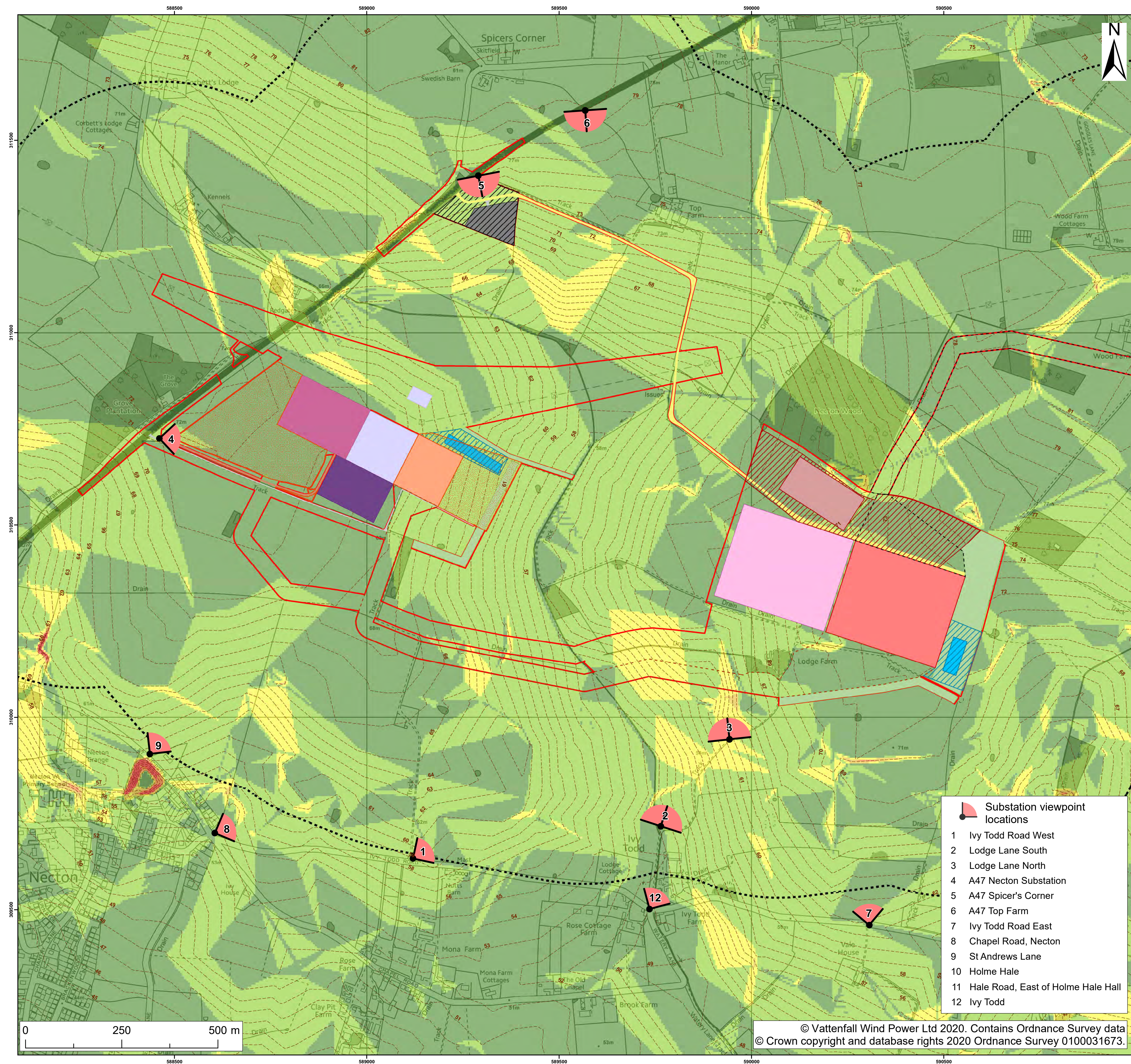
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Revision: 01	Date: 19/02/2020	Drawn: LA	Checked: JP	Size: A1	Scale: 1:5,000

Co-ordinate system: British National Grid EPSG: 27700



- Substation viewpoint locations**
- Ivy Todd Road West
 - Lodge Lane South
 - Lodge Lane North
 - A47 Necton Substation
 - A47 Spicer's Corner
 - A47 Top Farm
 - Ivy Todd Road East
 - Chapel Road, Necton
 - St Andrews Lane
 - Holme Hale
 - Hale Road, East of Holme Hale Hall
 - Ivy Todd

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- Access
 - Permanent access
 - Construction access
 - Operation access
- Existing substation locations
 - Dudgeon substation
 - Necton National Grid substation
- Study area 500m
- OS Terrain 5 Contours - 1m Interval
- OS Terrain 5 DTM Slope Analysis
 - Slope in Degrees (Percent Rise)
 - 0 - 1.43 (0 - 2.5%)
 - 1.43 - 2.86 (2.5 - 5%)
 - 2.86 - 5.71 (5 - 10%)
 - 5.71 - 8.53 (10 - 15%)
 - 8.53 - 11.31 (15 - 20%)
 - 11.31 > (20% >)

Project: Norfolk Boreas

Report: Responses to the ExA's Written Questions: For Information Only

Title: Scenario 1
Viewpoints: Onshore Project Substation / National Grid Substation Extension with Landform Slope

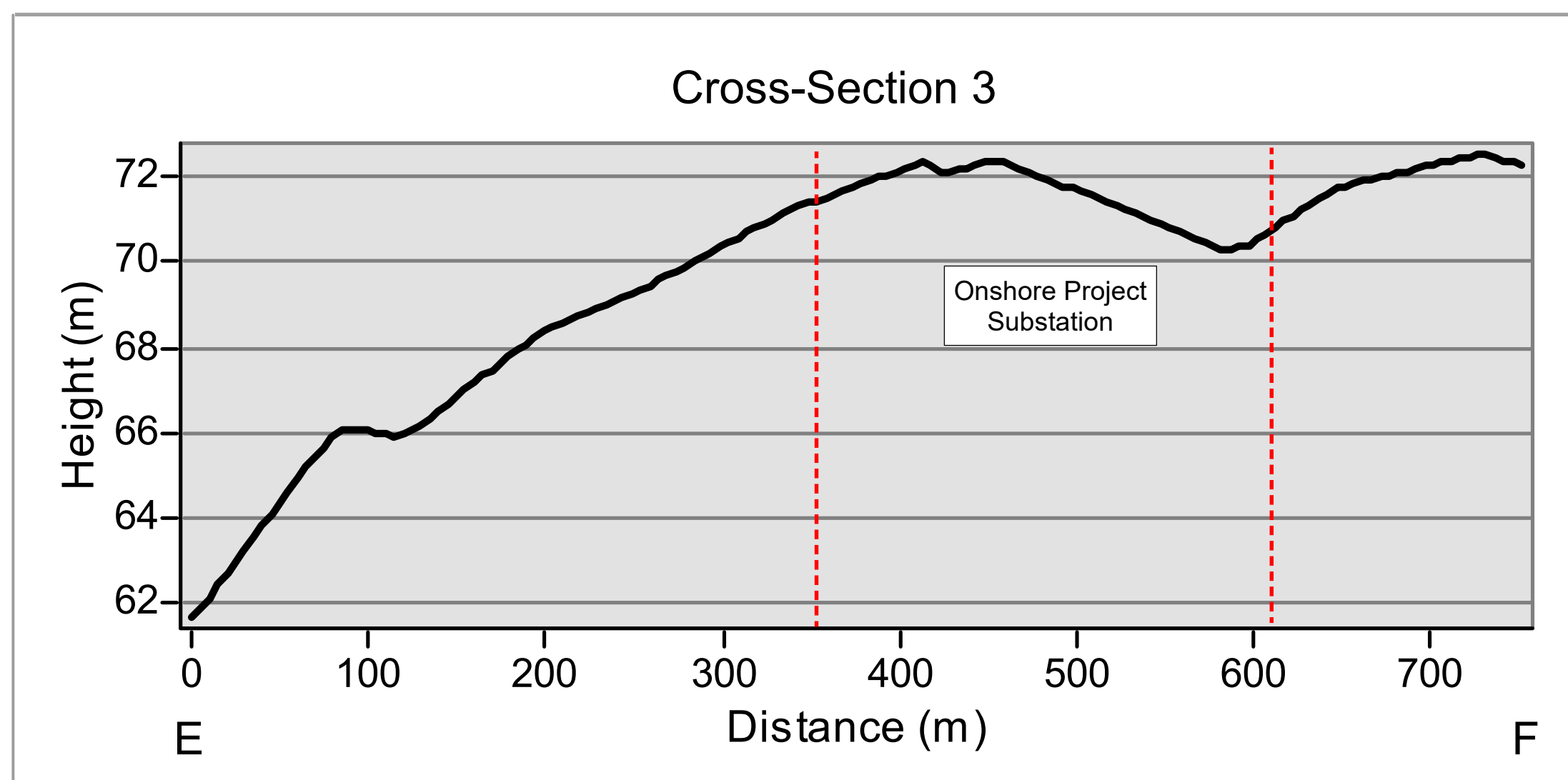
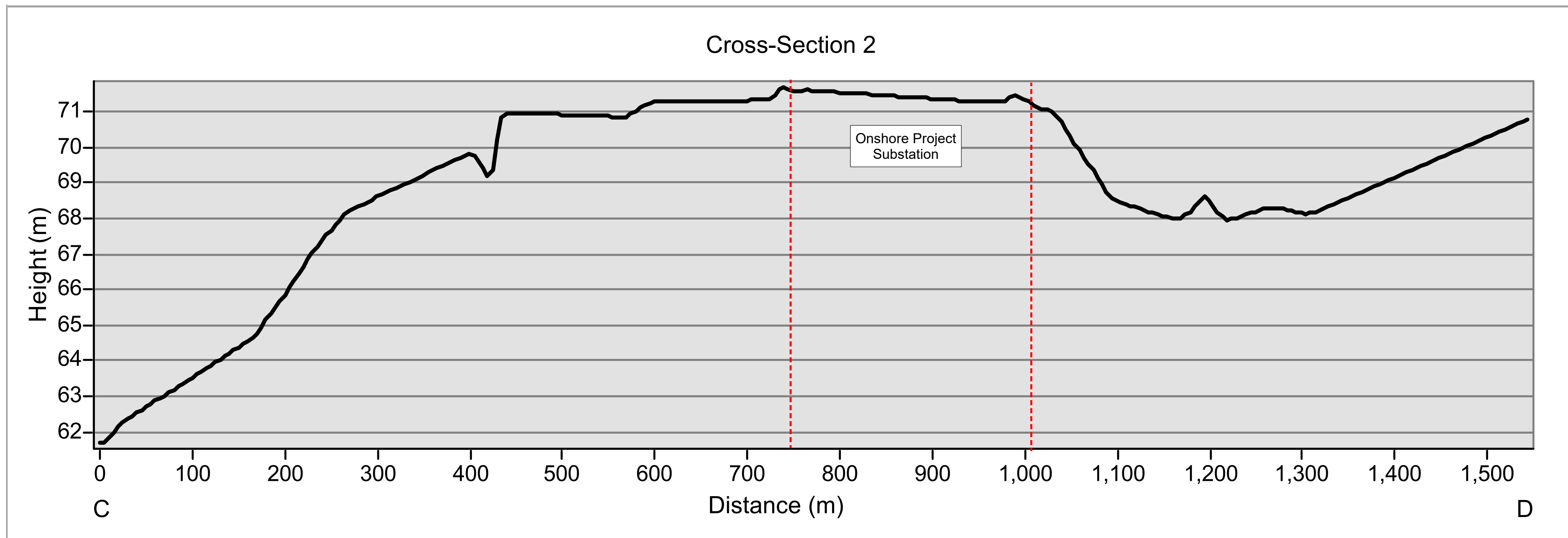
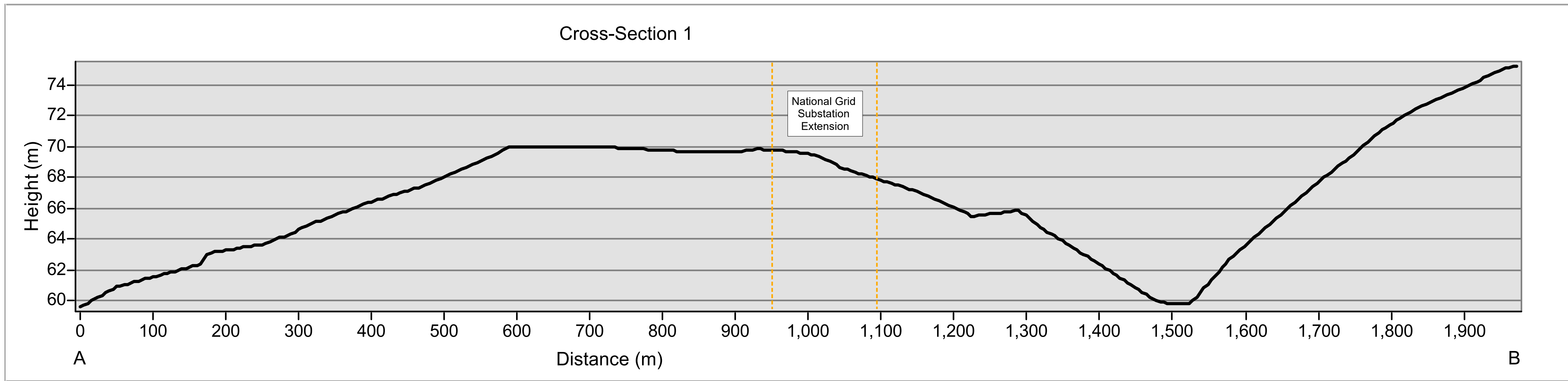
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Co-ordinate system: British National Grid EPSG: 27700

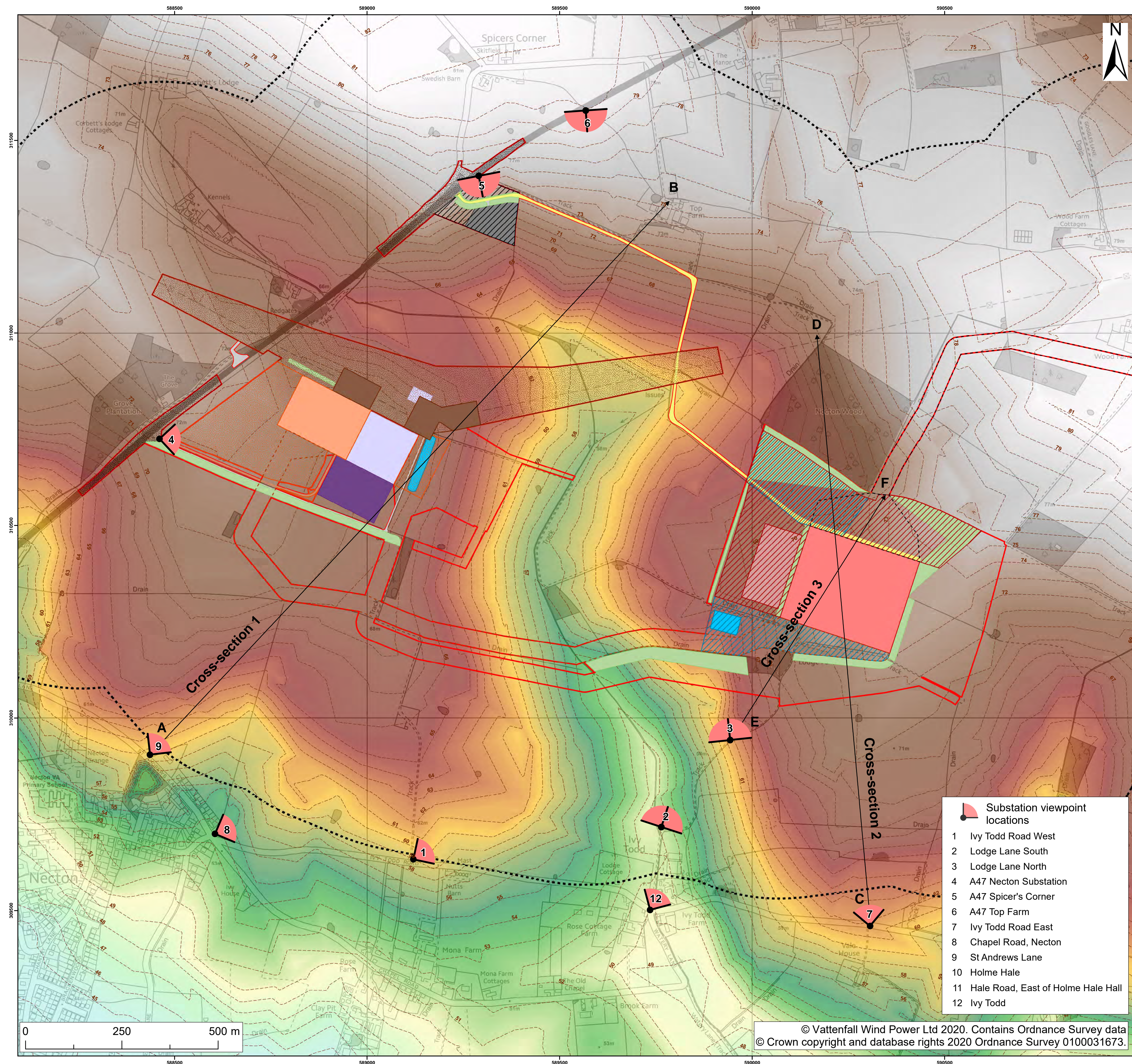
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Enhancing Society Together

- Substation viewpoint locations**
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 - Hale Road, East of Holme Hale Hall
 - Ivy Todd



Project: Norfolk Boreas		Report: Responses to the ExA's Written Questions: For Information Only			
Title: Scenario 1 Landform Cross-Sections					
Figure: 1c		Drawing No:			
Revision:	Date:	Drawn:	Checked:	Size:	Scale:
01	19/02/2020	LA	JP	A1	
Co-ordinate system: British National Grid EPSG: 27700					
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 - Indicative onshore project substation temporary construction compound
- National Grid
 - National Grid substation extension
 - National Grid new / replacement OHL tower search area
 - National Grid temporary works
 - Overhead line temporary works
- Mitigation areas
 - Attenuation pond zone
 - Indicative attenuation pond
 - Indicative mitigation planting
- Access
 - Permanent access
 - Construction access
 - Operation access
 - Highways temporary works area
- Existing substation locations
 - SubStation
 - Dudgeon substation
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 - Study area 500m
 - OS Terrain 5 Contours - 1m Interval
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 - Elevation (m)
 - High : 82.4
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Project: Norfolk Boreas

Report: Responses to the ExA's Written Questions: For Information Only

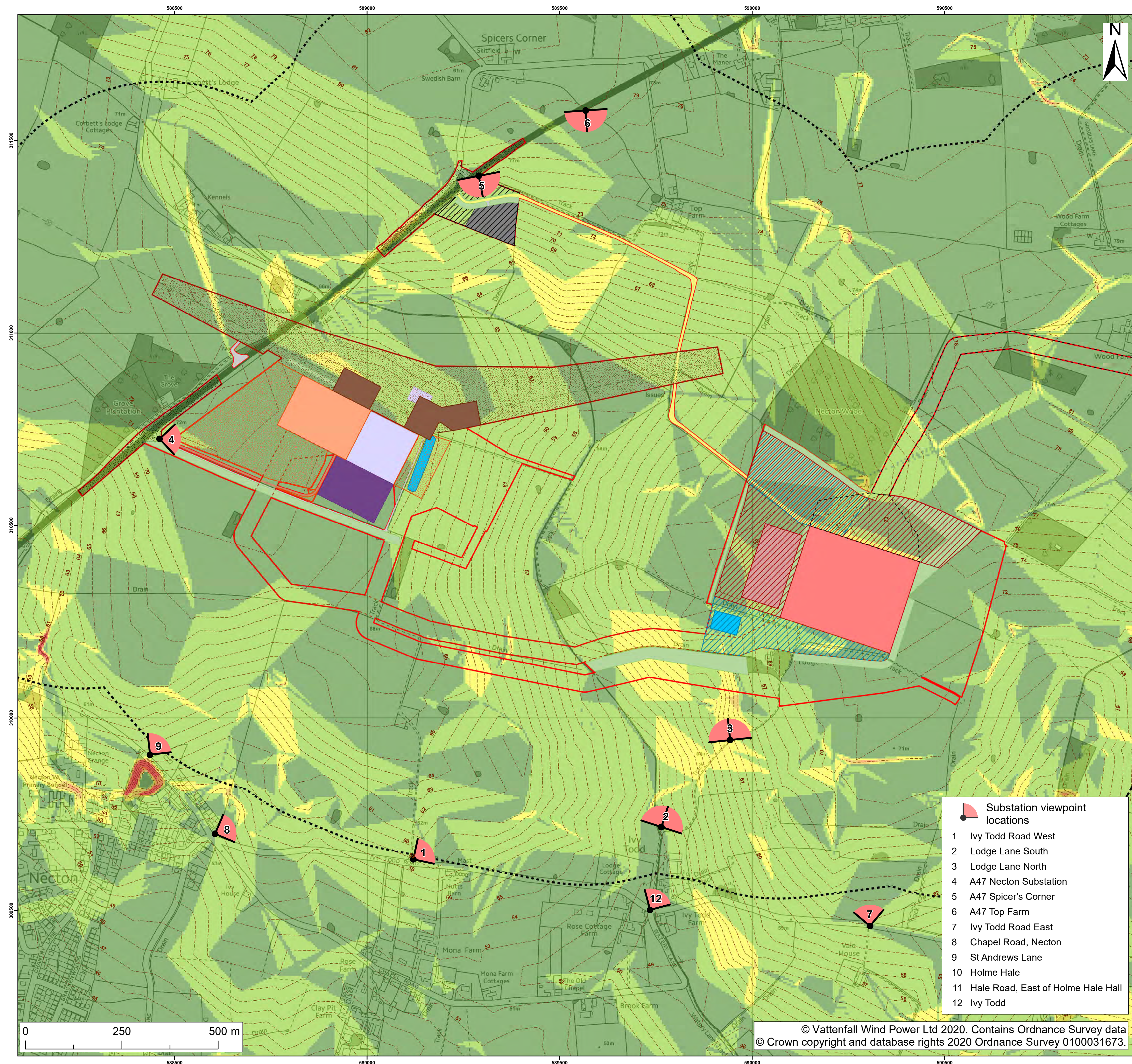
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Viewpoints: Onshore Project Substation / National Grid Substation Extension with Landform Elevation

Figure: 2a	Drawing No:				
Revision: 01	Date: 19/02/2020	Drawn: LA	Checked: JP	Size: A1	Scale: 1:5,000

Co-ordinate system: British National Grid EPSG: 27700

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Project:	Report:
Norfolk Boreas	Responses to the ExA's Written Questions: For Information Only

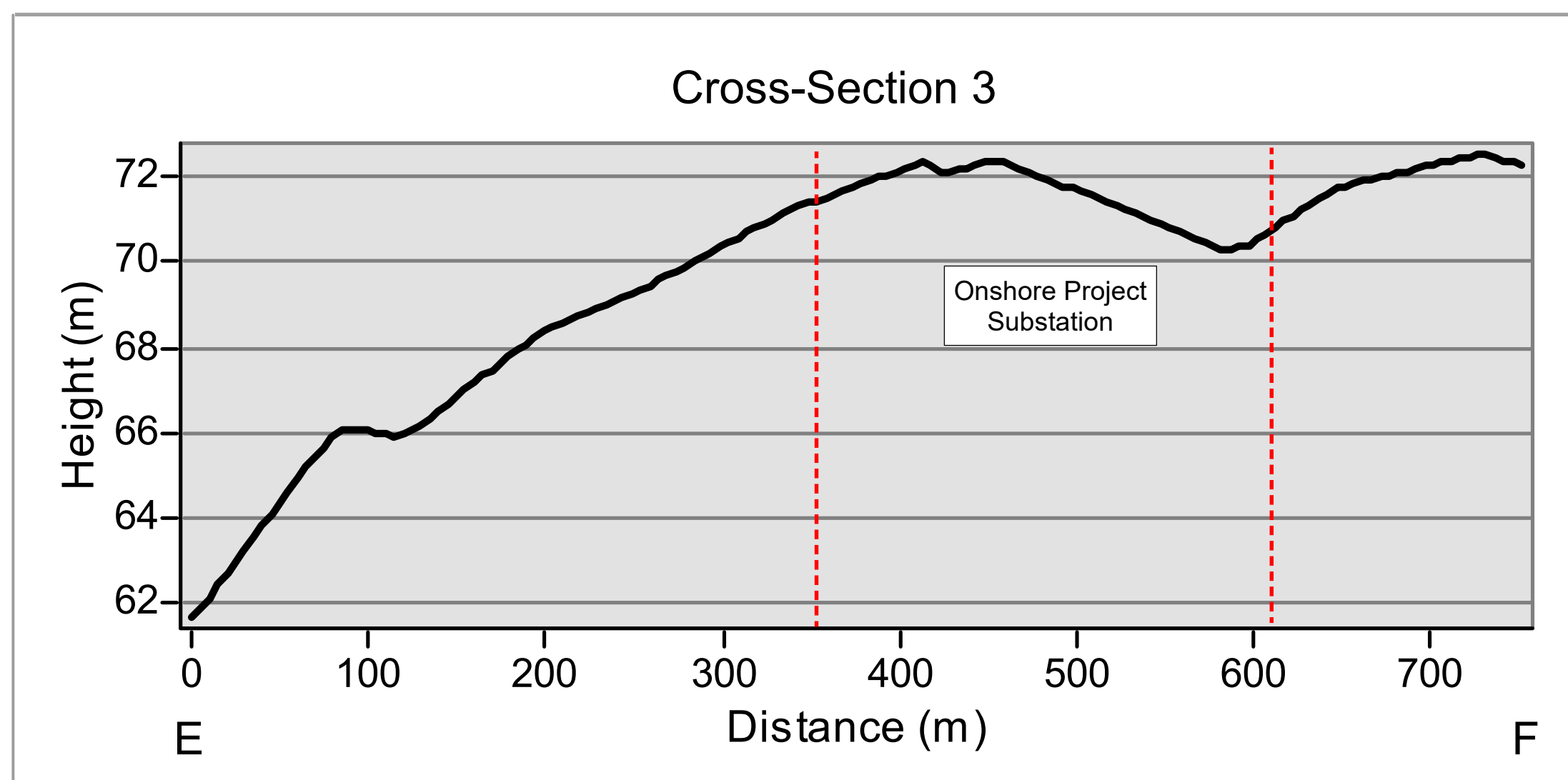
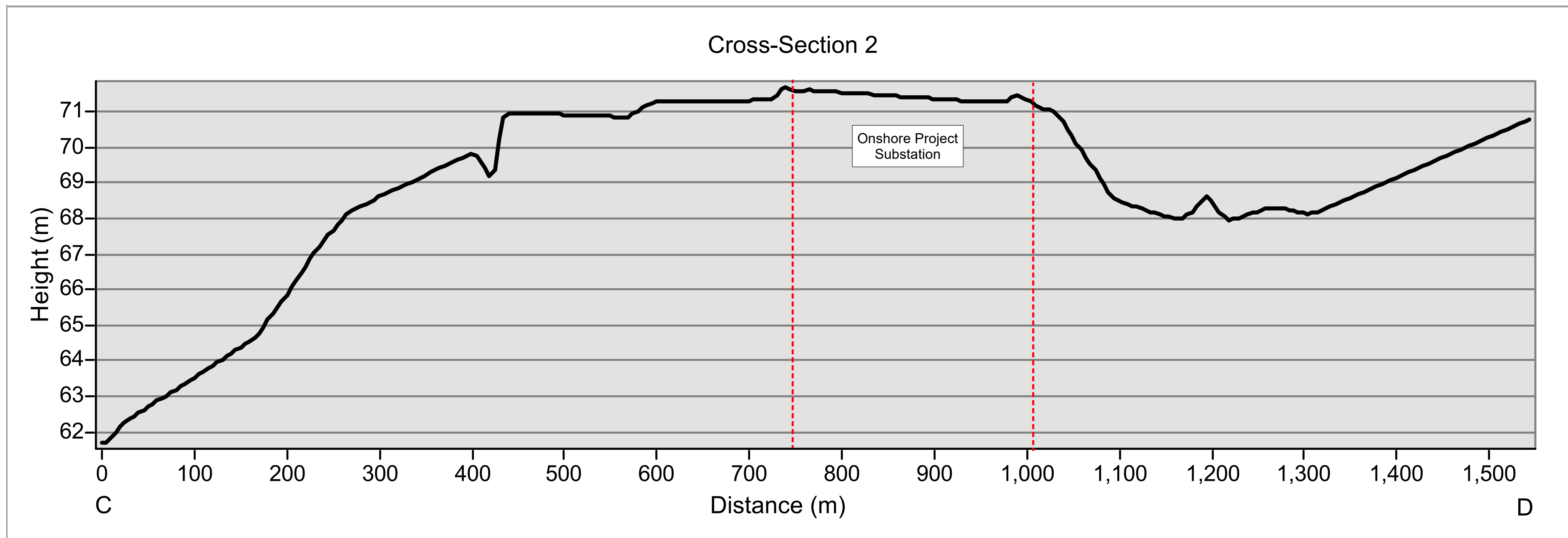
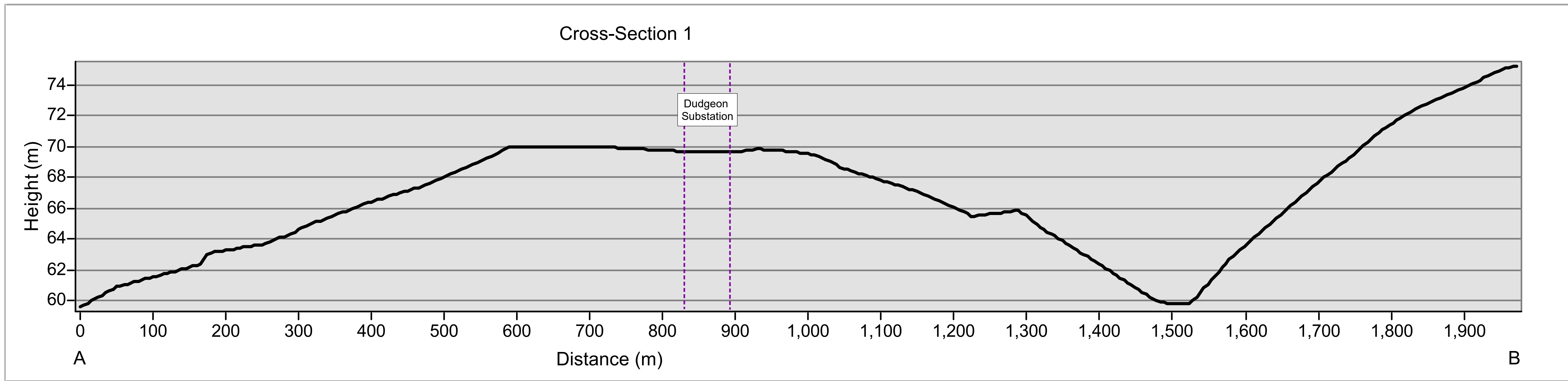
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Viewpoints: Onshore Project Substation /
National Grid Substation Extension with Landform Slope

Figure: 2b	Drawing No:				
Revision: 01	Date: 19/02/2020	Drawn: LA	Checked: JP	Size: A1	Scale: 1:5,000

Co-ordinate system: British National Grid EPSG: 27700

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Project: Norfolk Boreas		Report: Responses to the ExA's Written Questions: For Information Only			
Title: Scenario 2 Landform Cross-Sections					
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Co-ordinate system: British National Grid EPSG: 27700					
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Norfolk Boreas Offshore Wind Farm Applicant's Responses to the Examining Authority's Further Written Questions Appendix 9.2

Photos of Agricultural Style Buildings
(Question 2.9.4.1)

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Deadline 5
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Figure 1. Contemporary barn building with metal sheet cladding



Figure 2. Barn vernacular with dark weatherboard cladding



Figure 3. Large scale farm building with solar roof



Figure 4. Biomass centre with wooden cladding



Figure 5. Gas insulated Substation building clad in metal sheet