

Our proposed connection



- 400kV overhead line**
Length: approx. 119km (74 miles)
- 400kV underground cable**
Length: 23.4km (14.5 miles)
- Morecambe Bay Tunnel**
Length: approx. 22km (13 miles)
- Total:** approx. 164km (102 miles)

North of Moorside

- 400kV overhead line
approx. 81km (51 miles)
- Approx. 96km (60 miles)* of existing 132kV pylon line would be removed, of which around 2.5km (1.6 miles) would be put underground at Hadrian's Wall.

South of Moorside

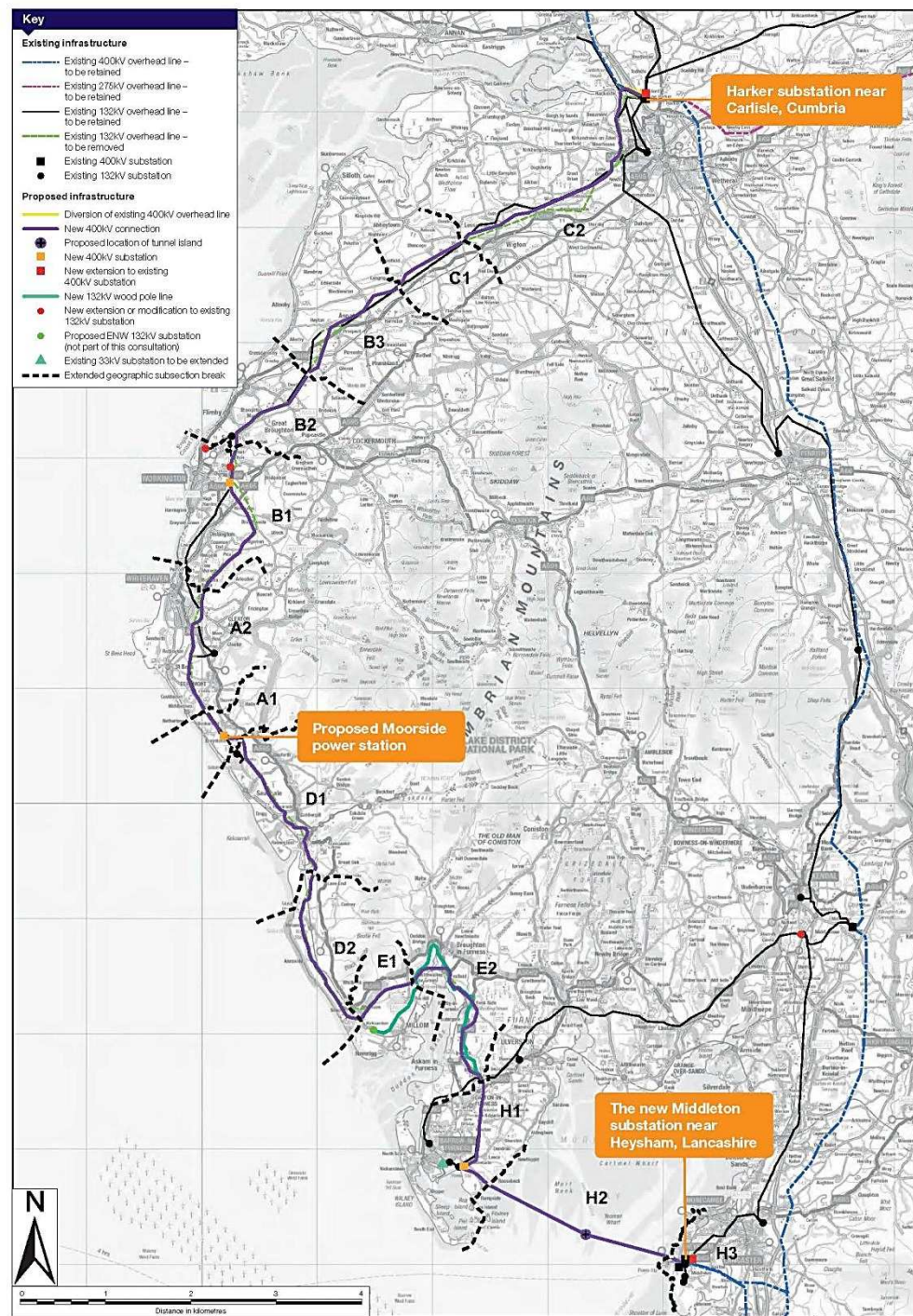
- 400kV overhead line
approx. 38km (24 miles)
 - 400kV cable underground:
23.4km (14.5 miles)
 - Tunnel under Morecambe Bay:
approx. 22km (13 miles)
- Approx. 57km (35 miles)** of existing 132kV pylon line would be removed.

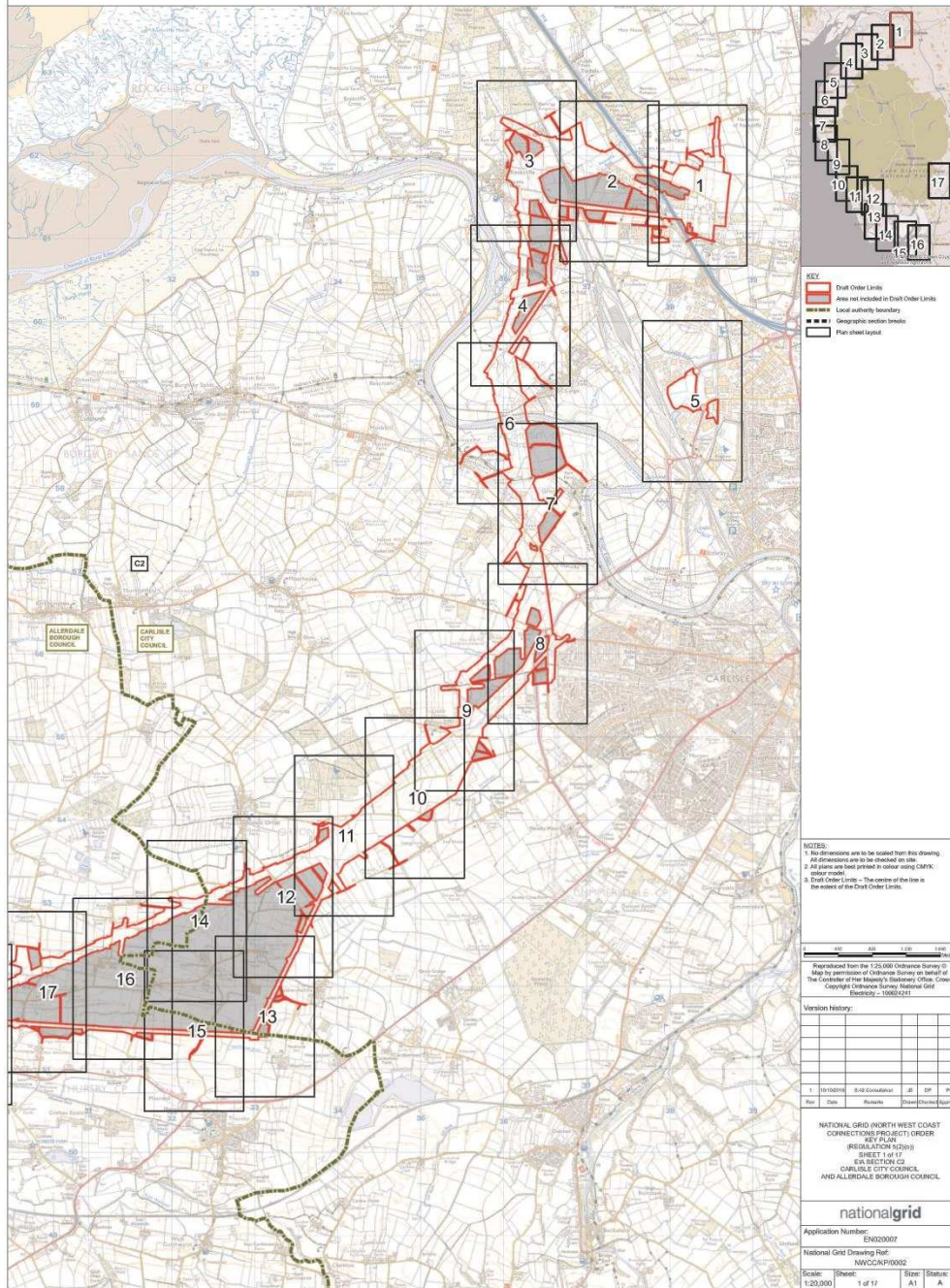
*Net benefit – while we propose removing approximately 104km (64 miles) of existing 132kV ENW pylon lines north of Moorside, we will need to rebuild around 8km (5 miles) of 132kV pylon lines.

**Net benefit – while we propose removing approximately 61km (38 miles) of existing 132kV ENW pylon lines south of Moorside, we will need to rebuild around 4km (2.5 miles) of 132kV pylon lines.

More information

More maps and plans showing the location of the equipment are provided in the **Map Booklet**, and on technical plans and drawings (see Appendix 6).





NOTES:
1. No dimensions are to be taken from this drawing.
2. All dimensions are to be checked on site.
3. All areas are to be printed in colour using CMYK colour model.
4. Draft Order Limits - The centre of the line is the centre of the Order Limits.

1:1000000 Scale

Prepared from the 1:25000 Ordnance Survey Map by permission of Ordnance Survey on behalf of The Controller of Her Majesty's Stationery Office. Crown Copyright Ordnance Survey National Grid. Reprinted - 1988/2017

Version History:

No	Date	Revised	By	For
1	10/10/2016	Initial	AW	SP
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				

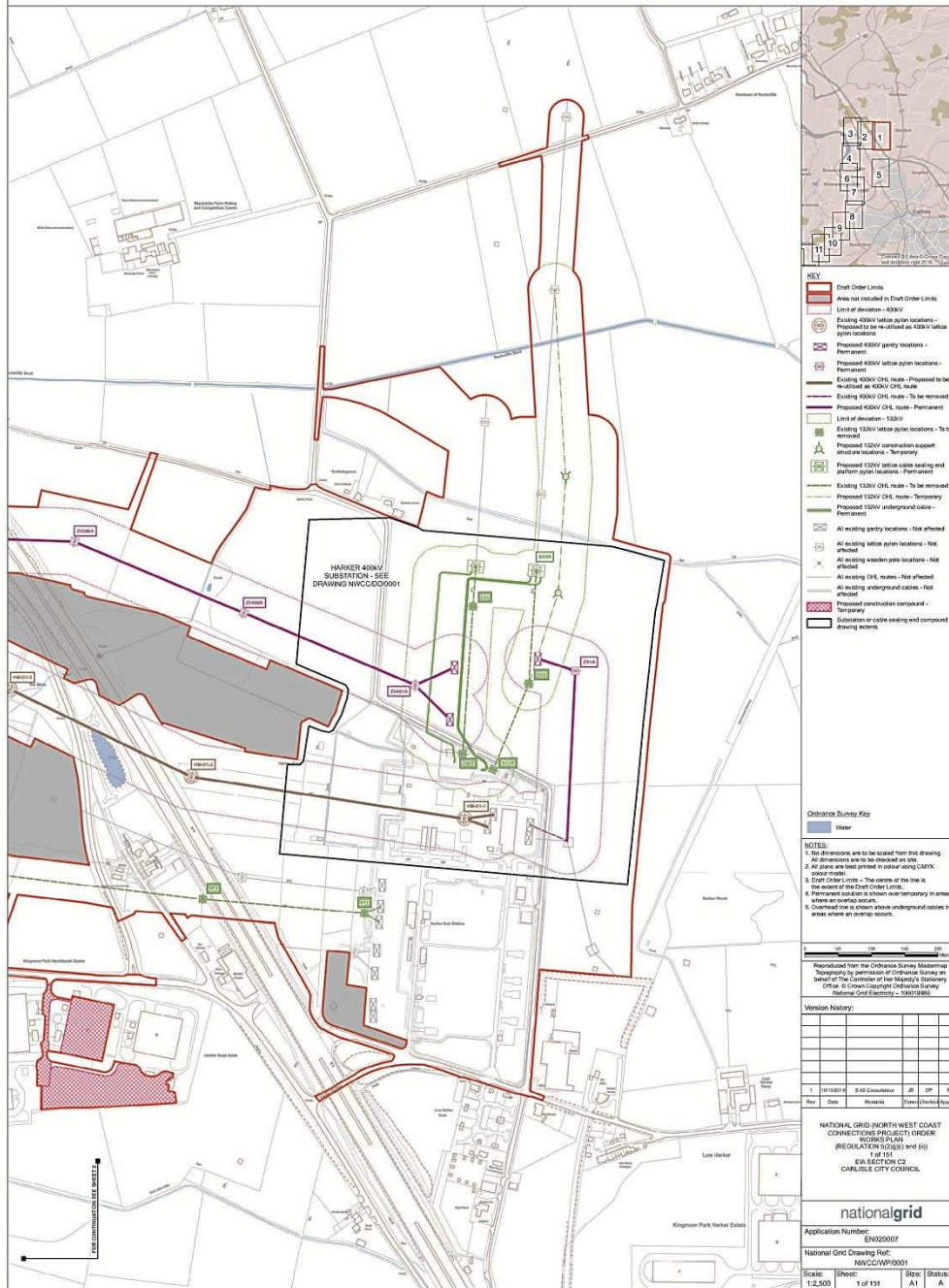
NATIONAL GRID (NORTH WEST COAST CONNECTIONS PROJECT) ORDER
KEY PLAN
(REGULATION 5(2)(a))
SHEET 1 of 17
EIA SECTION C2
CARLISLE CITY COUNCIL
AND ALLERDALE BOROUGH COUNCIL

nationalgrid
Application Number: EN020007
National Grid Drawing Ref: NWCCRP10002
Scale: 1:20,000 Sheet: 1 of 17 Size: A1 Status: A



NATIONAL GRID (NORTH WEST COAST CONNECTIONS PROJECT) ORDER
WORKS PLAN (REGULATION 5(2)(K) and (O))
1 of 151
EIA SECTION C2
CARLISLE CITY COUNCIL

FOR CONSULTATION PURPOSES

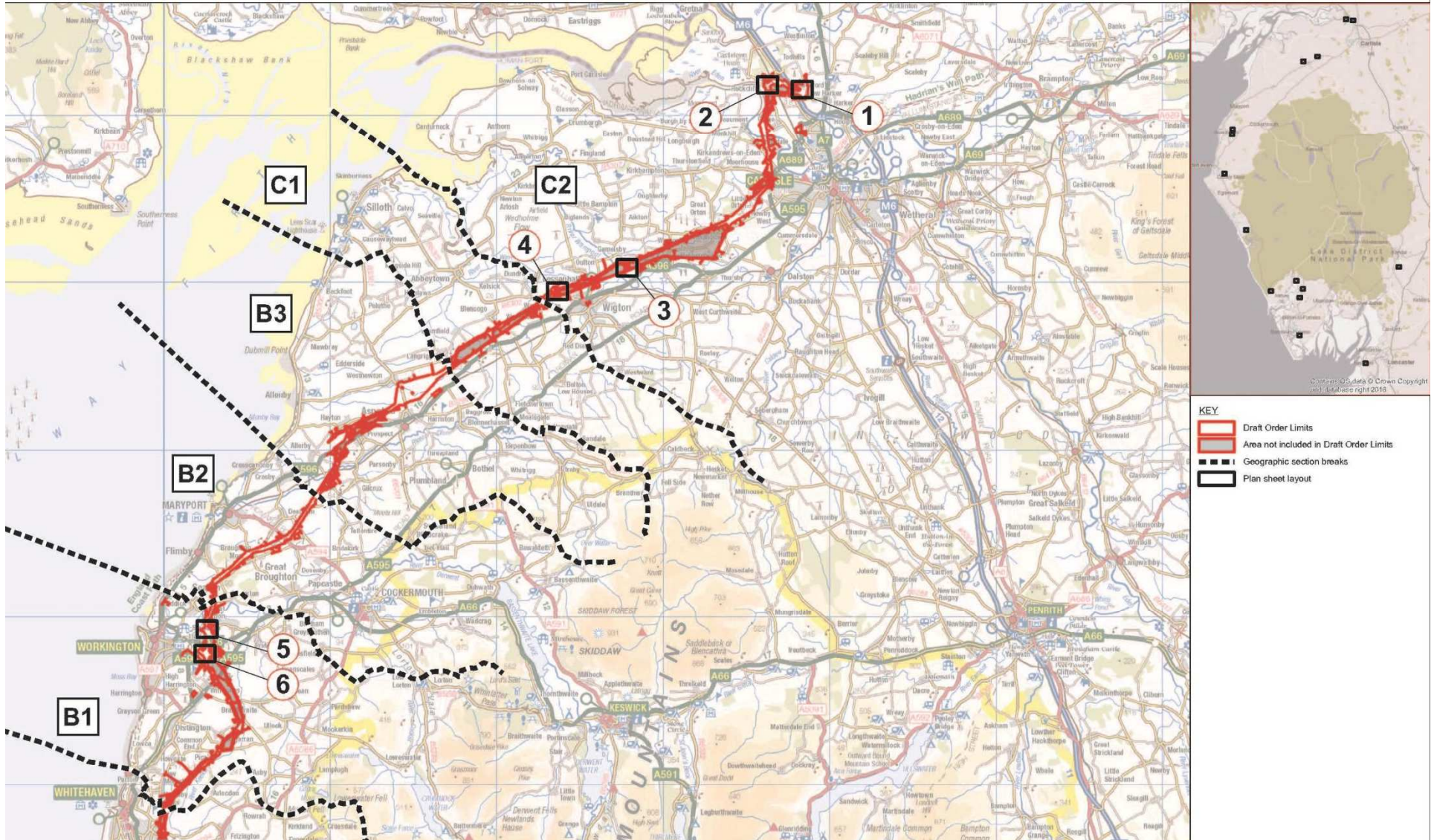




NATIONAL GRID (NORTH WEST COAST CONNECTIONS PROJECT) ORDER
KEY PLAN FOR LANDSCAPE MITIGATION (REGULATION 5(2)(a))
SHEET 1 OF 1

EIA SECTIONS A1, A2, B1, B2, B3, C1, C2, D1, D2, E1, E2, H1, H2, H3 AND NATLAND
CARLISLE CITY COUNCIL, ALLERDALE BOROUGH COUNCIL, COPELAND BOROUGH COUNCIL,
BARROW-IN-FURNESS BOROUGH COUNCIL, SOUTH LAKELAND DISTRICT COUNCIL AND LANCASTER CITY COUNCIL

FOR CONSULTATION PURPOSES





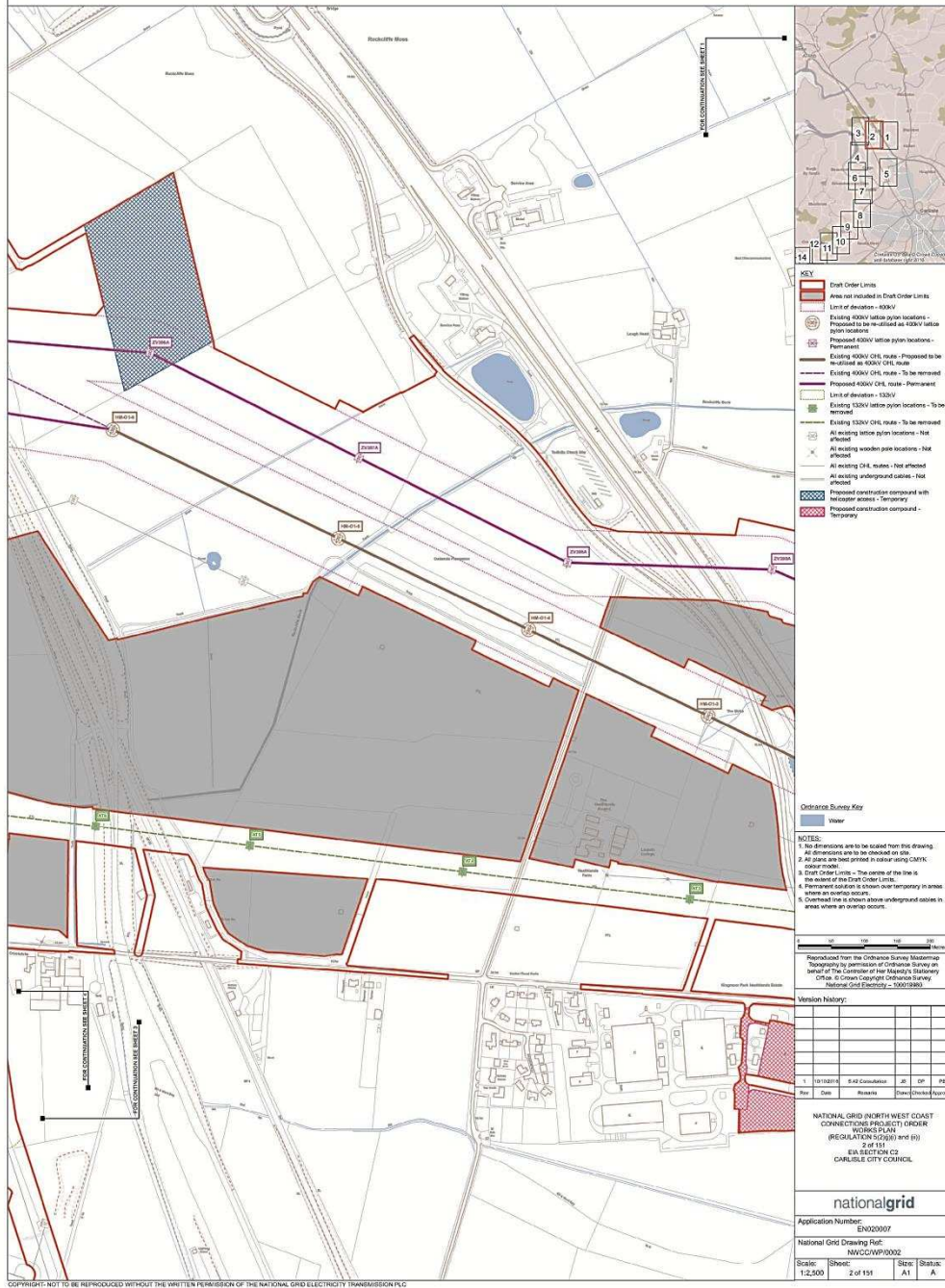
NATIONAL GRID (NORTH WEST COAST CONNECTIONS PROJECT) ORDER
LANDSCAPE MITIGATION PLANS (REGULATION 5(2)(o))
SHEET 1 of 8
EIA SECTION C2
CARLISLE CITY COUNCIL

FOR CONSULTATION PURPOSES



KEY

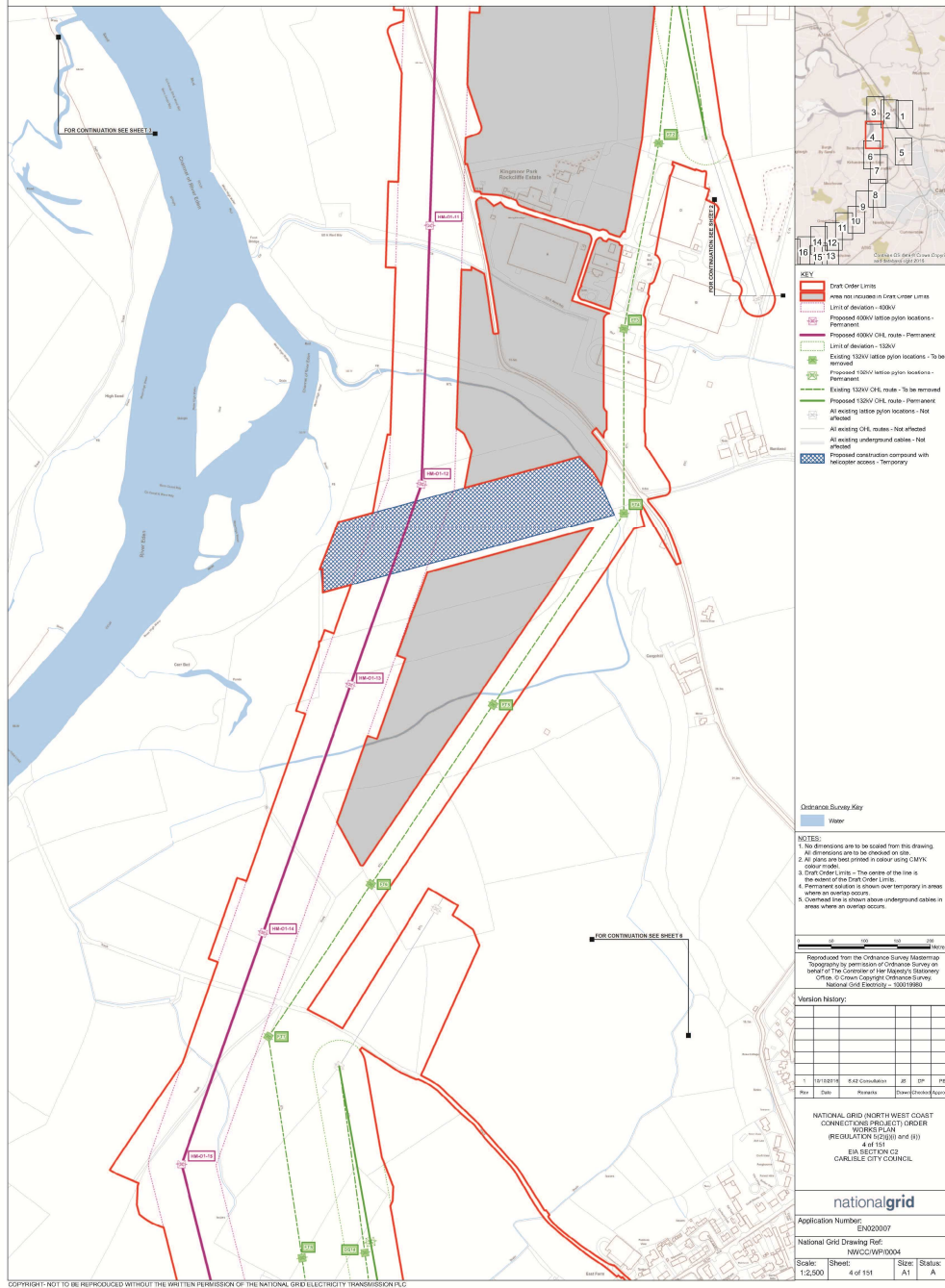
- Draft Order Limits
- Area not included in Draft Order Limits
- Substation or Cable Sealing End Compound drawing extents
- Existing Infrastructure
 - Existing 400kV Overhead Line
 - Existing 275kV Overhead Line
 - Existing 132kV Overhead Line - To be retained
 - Existing 132kV Overhead Line - To be removed
- Proposed Infrastructure
 - Proposed 400kV Route Alignment Centreline
- Existing Vegetation
 - Hedgerow
 - Trees
 - Woodland
- Proposed Planting
 - Proposed Woodland





COPYRIGHT - NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF THE NATIONAL GRID ELECTRICITY TRANSMISSION PLC





- KEY**
- Draft Order Limits
 - Area not included in Draft Order Limits
 - Limit of deviation - 400kV
 - Proposed 400kV lattice pylon locations - Permanent
 - Proposed 400kV CHL route - Permanent
 - Limit of deviation - 132kV
 - Existing 132kV lattice pylon locations - To be removed
 - Proposed 132kV lattice pylon locations - Permanent
 - Existing 132kV CHL route - To be removed
 - Proposed 132kV CHL route - Permanent
 - All existing lattice pylon locations - Not affected
 - All existing CHL routes - Not affected
 - All existing underground cables - Not affected
 - Proposed construction compound with helicopter access - Temporary

Distance Survey Key

Water

- NOTES**
1. No dimensions are to be scaled from this drawing. All dimensions are to be checked on site.
 2. All areas are to be covered in colour using CMYK colour mode.
 3. Draft Order Limits - The centre of the line is the centre of the Draft Order Limits.
 4. Permanent solution is shown over temporary in areas where an existing structure.
 5. Overhead line is shown above underground cables in areas where an existing structure.

Scale: 1:2,500

Version History			
Rev	Date	Revised By	Drawn/Checked/Approved

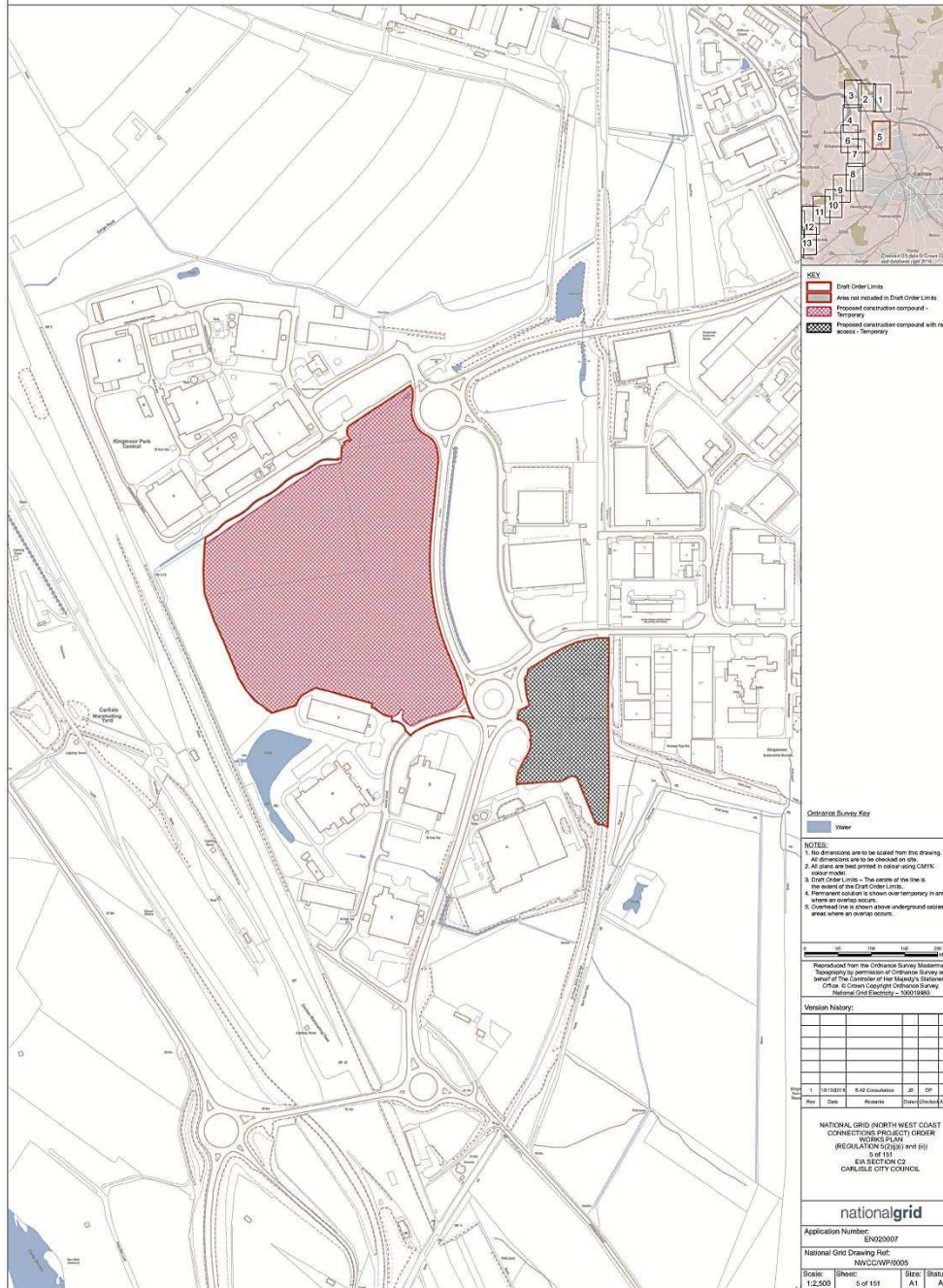
NATIONAL GRID (NORTH WEST COAST CONNECTIONS PROJECT) ORDER
WORKS PLAN
(REGULATION 5(2)(X) and (Y))
4 of 151
EIA SECTION C2
CARLISLE CITY COUNCIL

nationalgrid

Application Number: EN020007

National Grid Drawing Ref: NWCC/WP/0004

Scale: 1:2,500 Sheet: 4 of 151 Size: A1 Status: A



KEY

[Red outline]	Draft Order Limits
[Red hatched area]	Area not included in Draft Order Limits
[Red hatched area]	Proposed construction compound - Temporary
[Red hatched area]	Proposed construction compound with rail access - Temporary

Ordinance Survey Key

[Blue area]	Water
-------------	-------

NOTES:
1. All dimensions are to be scaled from this drawing.
2. All dimensions are to be checked on site.
3. All areas are to be printed in colour using CMYK colour model.
4. Draft Order Limits - The centre of the line is the centre of the Draft Order Limits.
5. Permanent solution is shown over temporary in areas where an existing solution.
6. Overhead line is shown above underground cables in areas where an existing solution.



Reproduced from the Ordnance Survey Basemap. Topography by permission of Ordnance Survey on behalf of The Controller of Her Majesty's Stationery Office. © Crown Copyright Ordnance Survey. National Grid Electricity - 100015883.

Version History:

No.	Date	Revised	By	Check	Approved
1	10/10/16	EA	Constance	JA	GP

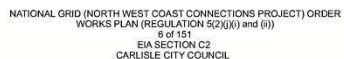
NATIONAL GRID NORTH WEST COAST CONNECTIONS PROJECT ORDER
WORKS PLAN
(REGULATION 5(2)(K) and (H))
5 of 151
EIA SECTION C2
CARLISLE CITY COUNCIL

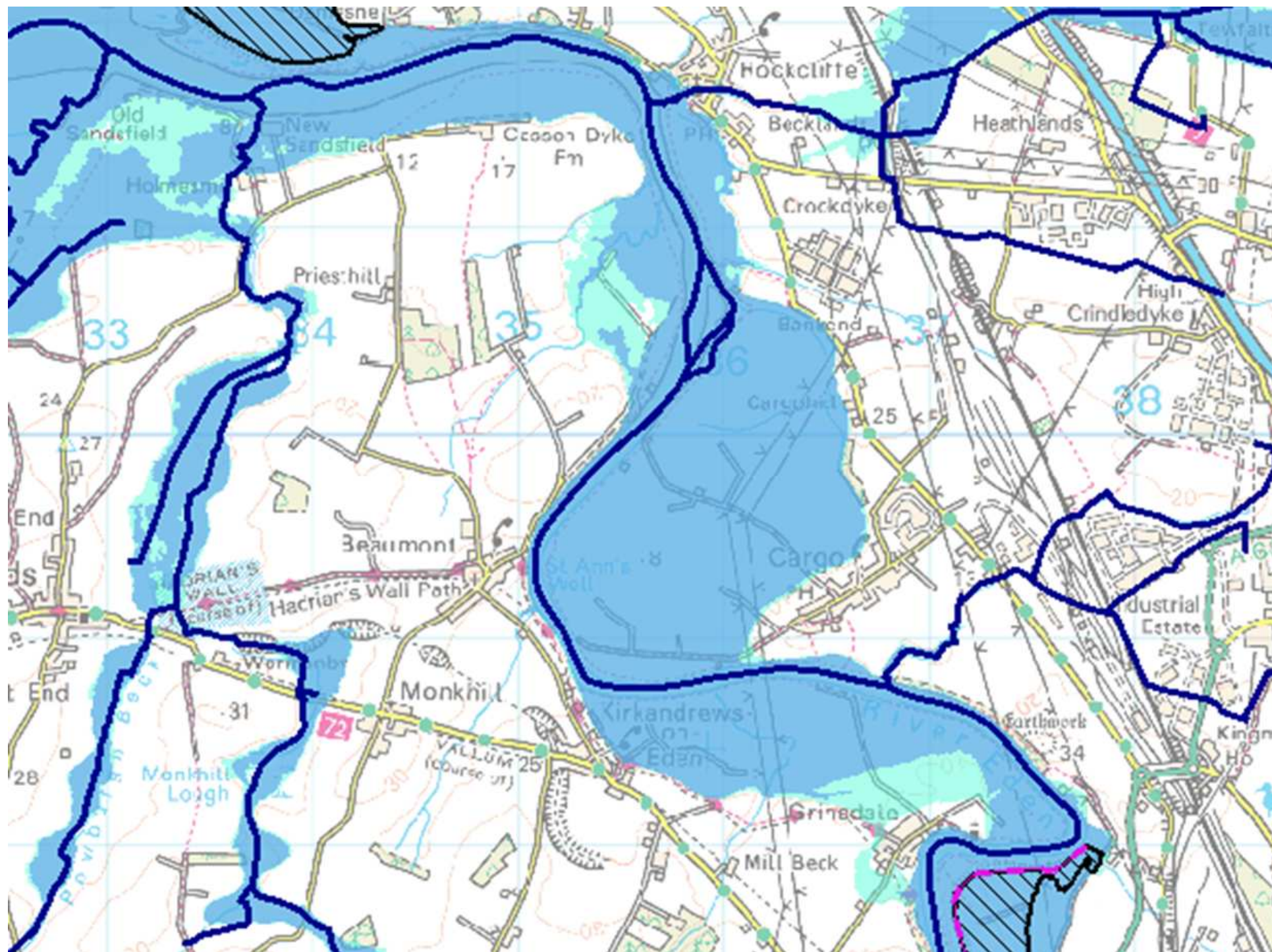
nationalgrid

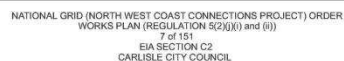
Application Number: BN020007

National Grid Drawing Ref: NWCCWP0005

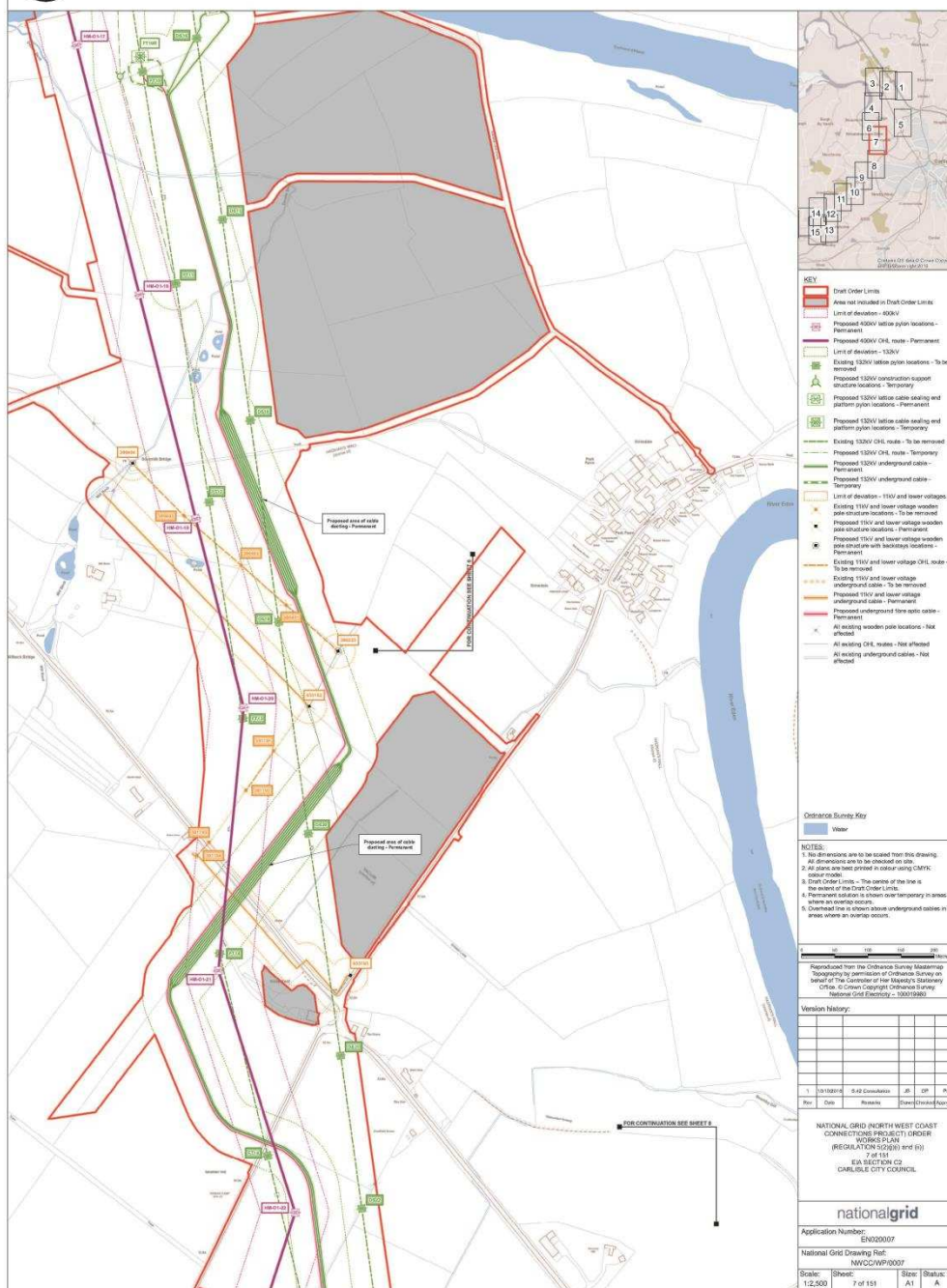
Scale: 1:2,500	Sheet: 5 of 151	Size: A1	Status: A
----------------	-----------------	----------	-----------



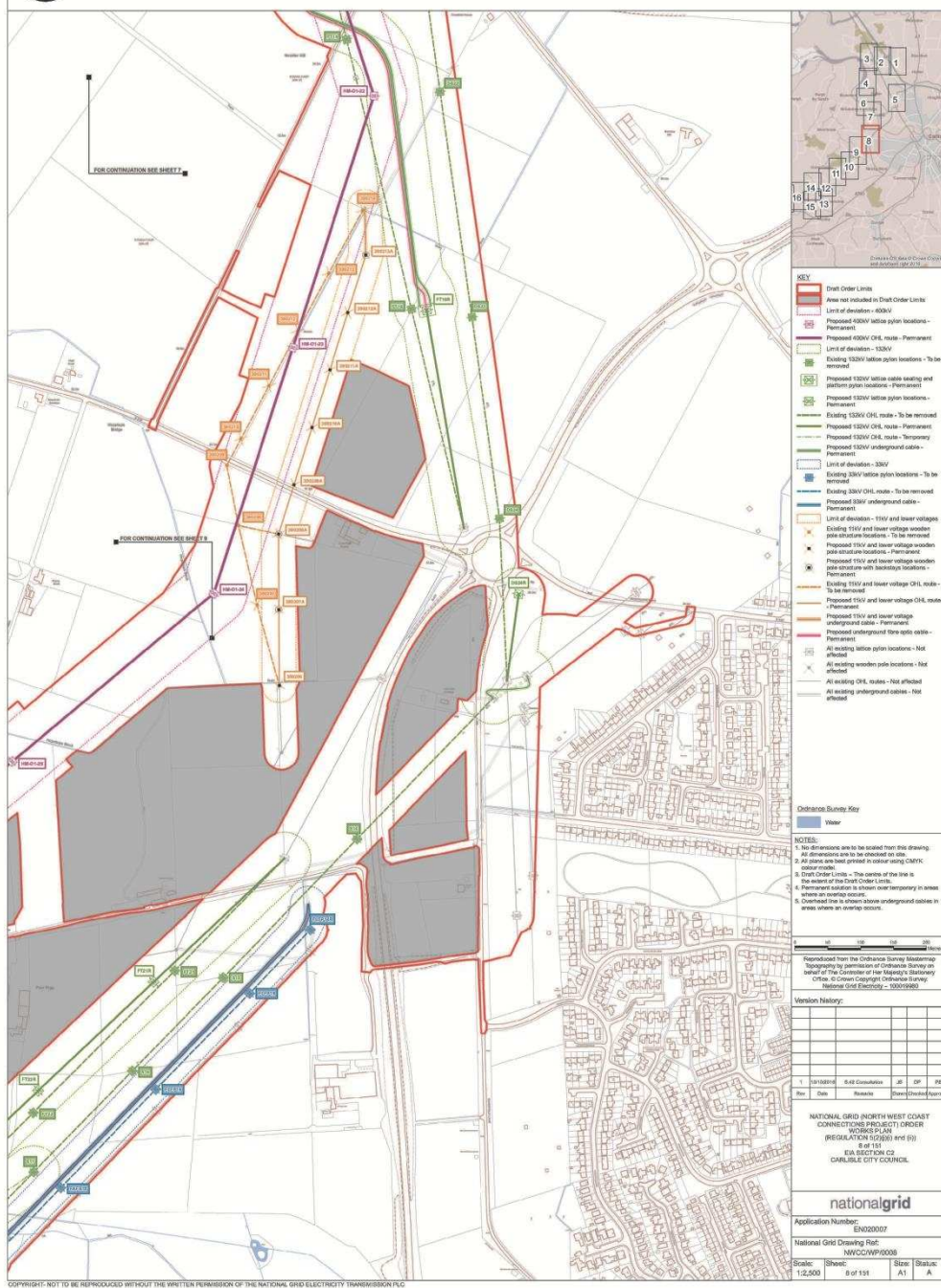


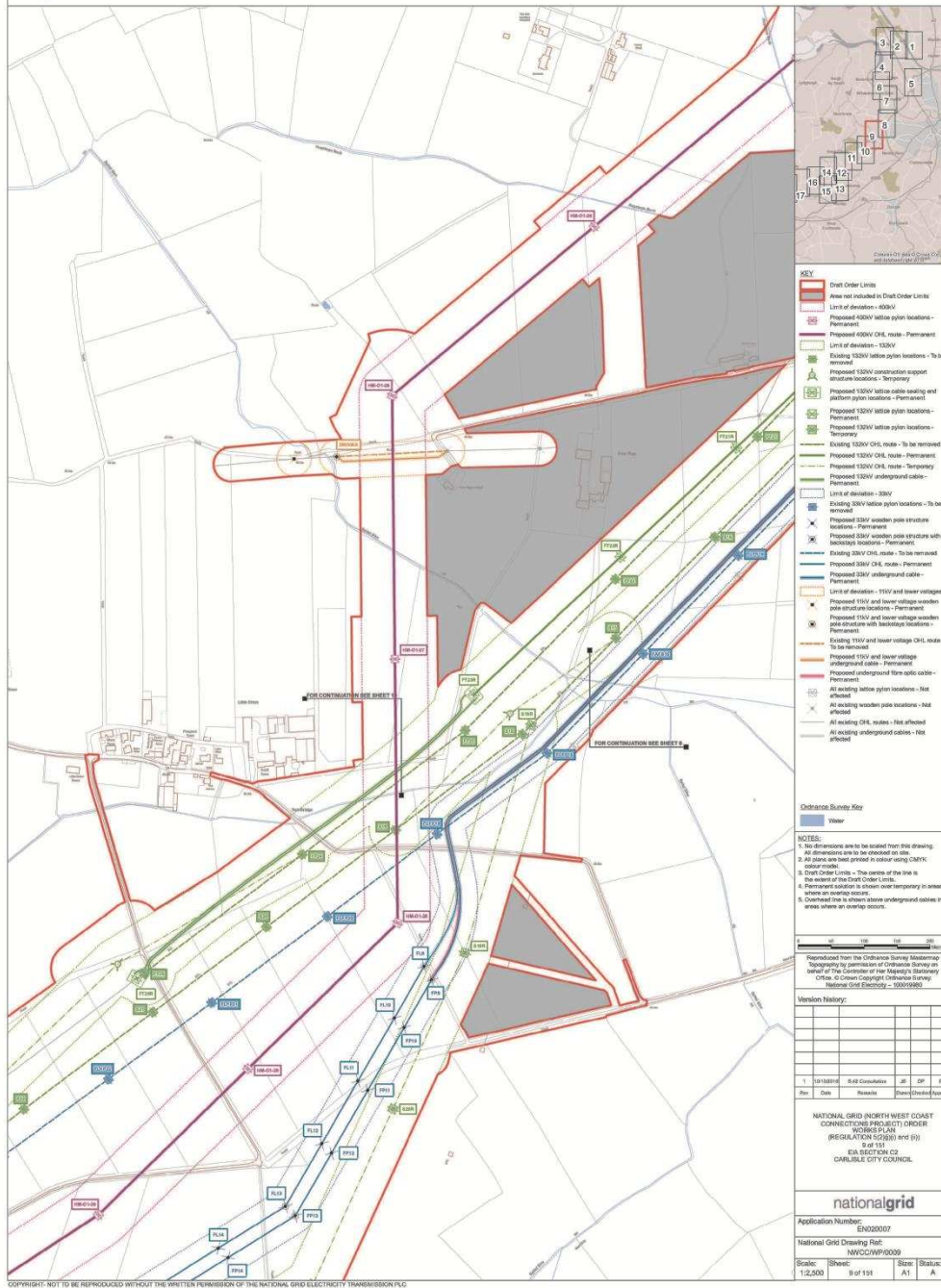


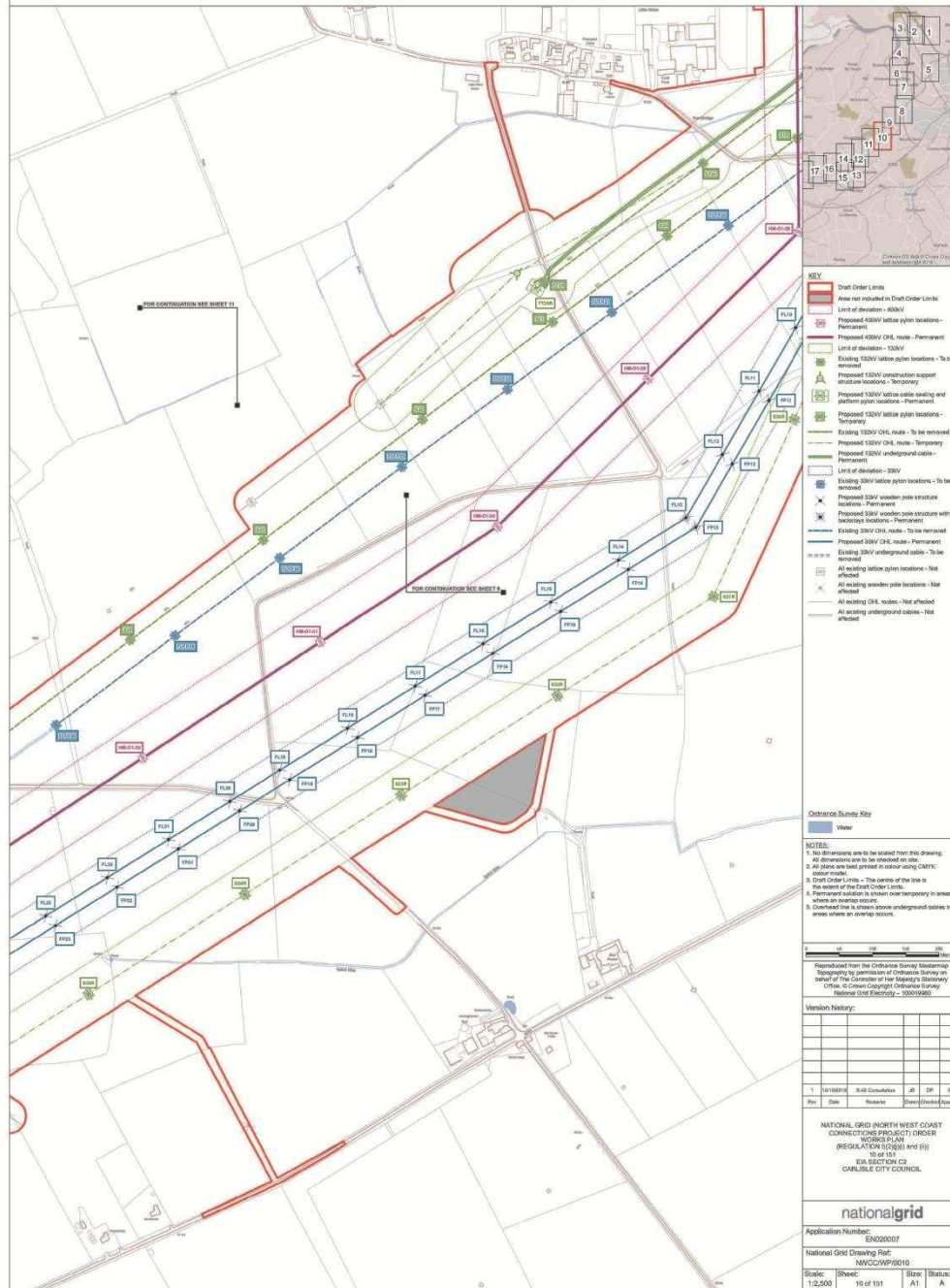
FOR CONSULTATION PURPOSES

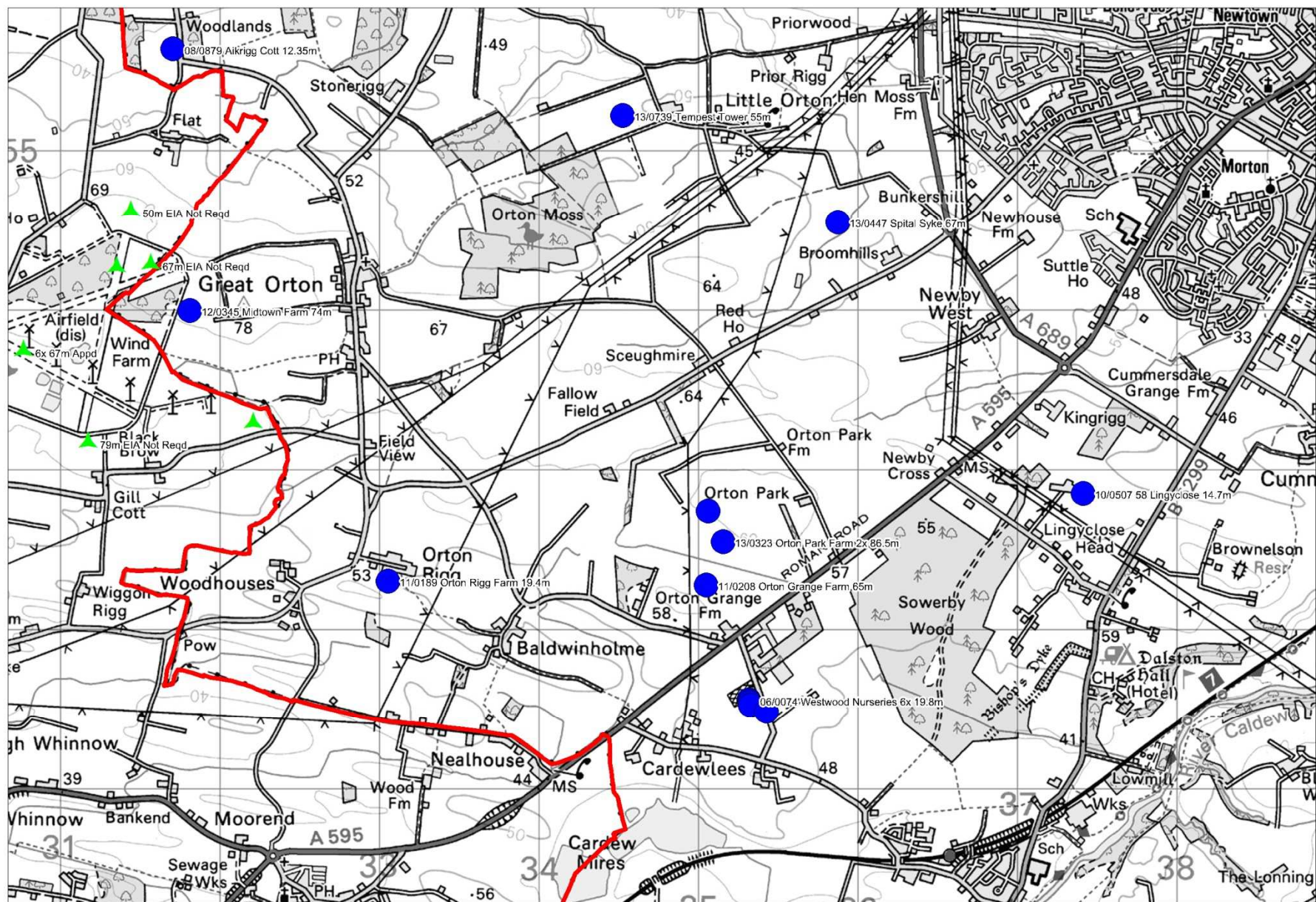


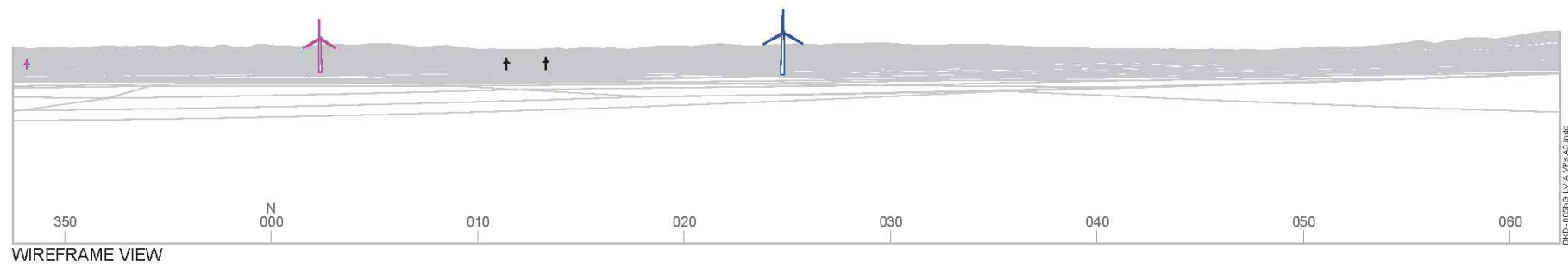
COPYRIGHT. NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF THE NATIONAL GRID ELECTRICITY TRANSMISSION PLC

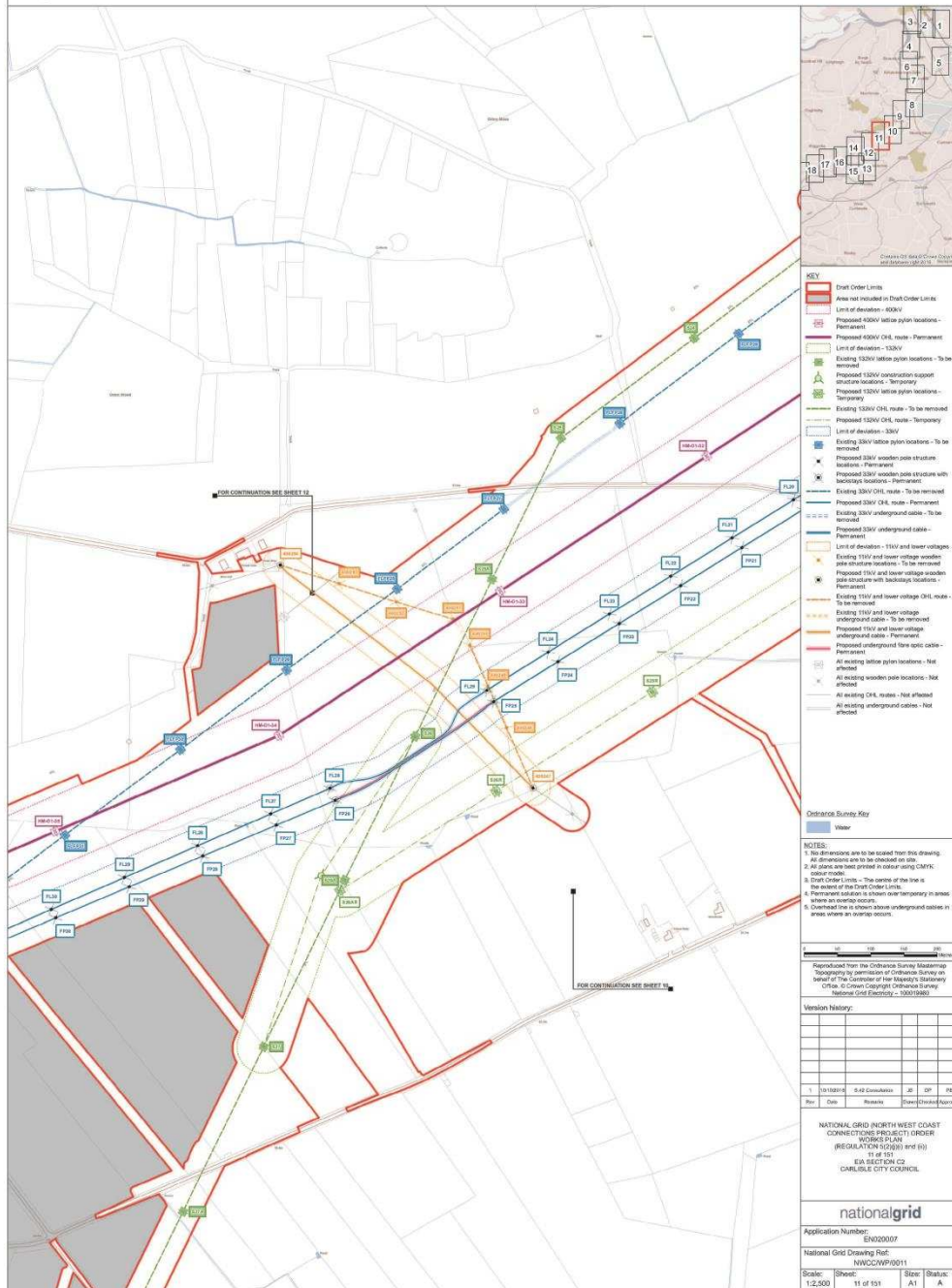












[illegible]

COPYRIGHT- NOT TO BE REPRODUCED WITHOUT THE WRITTEN PERMISSION OF THE NATIONAL GRID ELECTRICITY TRANSMISSION PLC