

DBD Cable and Access Routes – as of June 2025

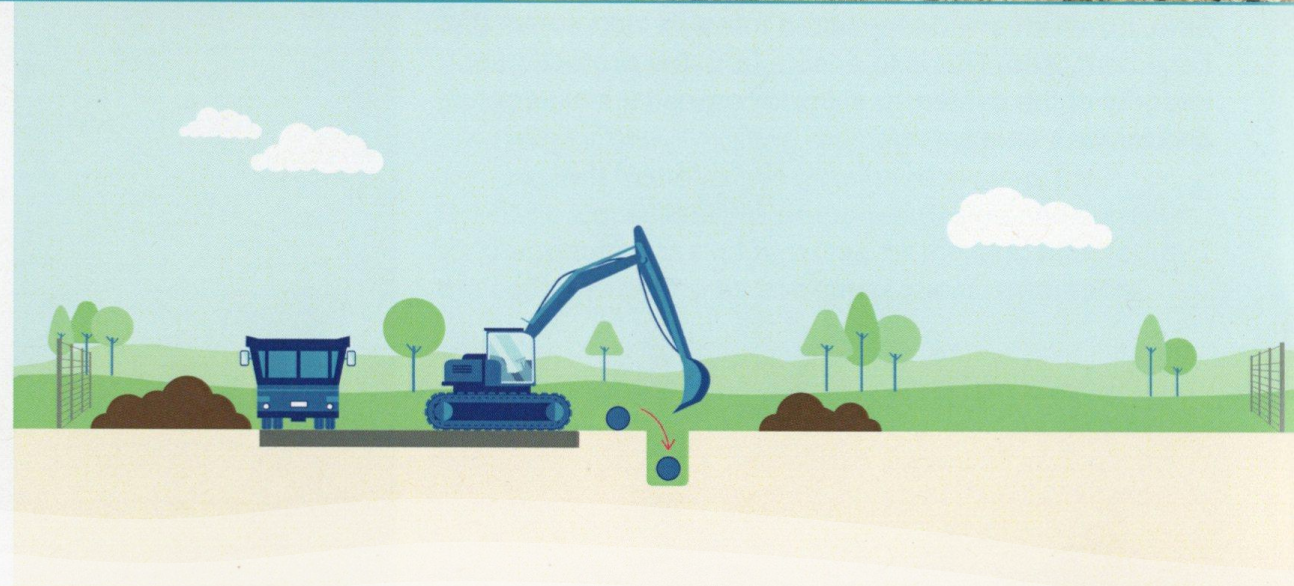
This is a quick view of the relevant slides
impacting on Lockington Parishioners



Open cut (trenched method)

This method will be used for the majority of the cable route where there is open land. This involves utilising a temporary construction corridor (we assume approximately 50m wide) for a haul road, storing topsoil, pre-construction drainage, fencing and the working area for excavating trenches to install ducting and electricity cables.

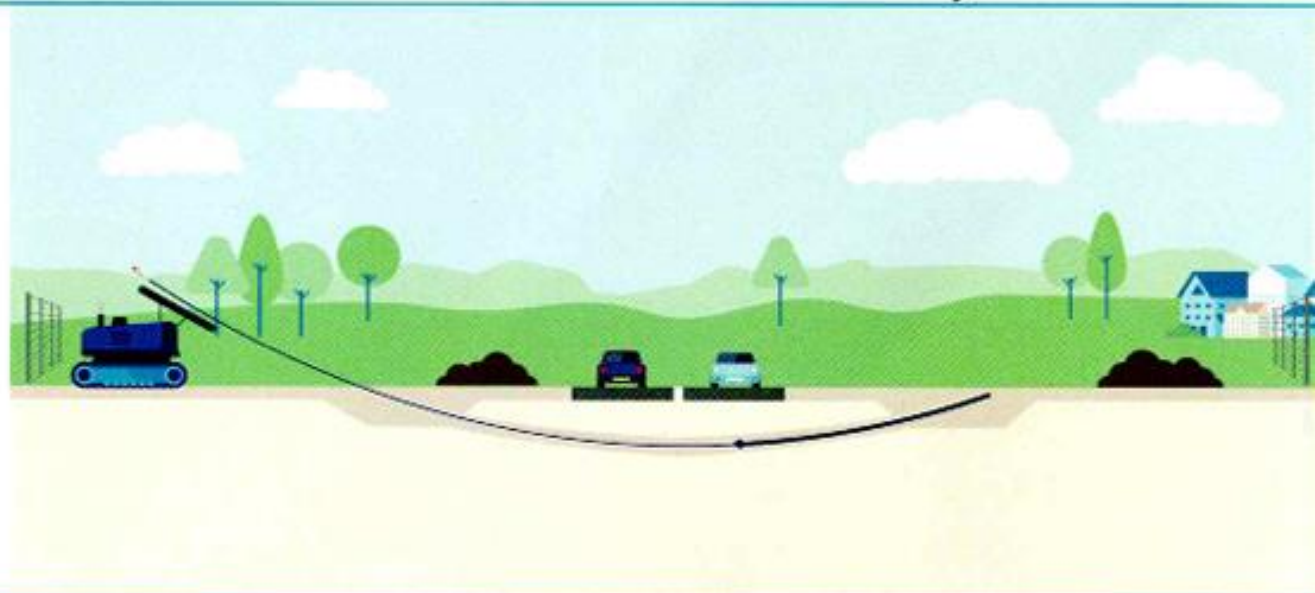
All images are not to scale and for indicative purposes only.



Horizontal directional drilling (HDD)

HDD involves the use of a directional drilling machine to accurately drill along a desired underground route beneath an asset or obstacle and then subsequently install a cable duct. A cable is safely pulled through the conduit as part of the cable installation works.

We will establish two working areas on either side of the feature to be crossed and create a launch pit and a reception pit at each end. At the launch pit, the HDD rig will be brought to site and set up. The operator will drill an initial pilot hole along a desired alignment beneath the asset to be crossed. The diameter of the bore path will then be enlarged using a reaming tool to the desired size for a duct to then be pulled through.

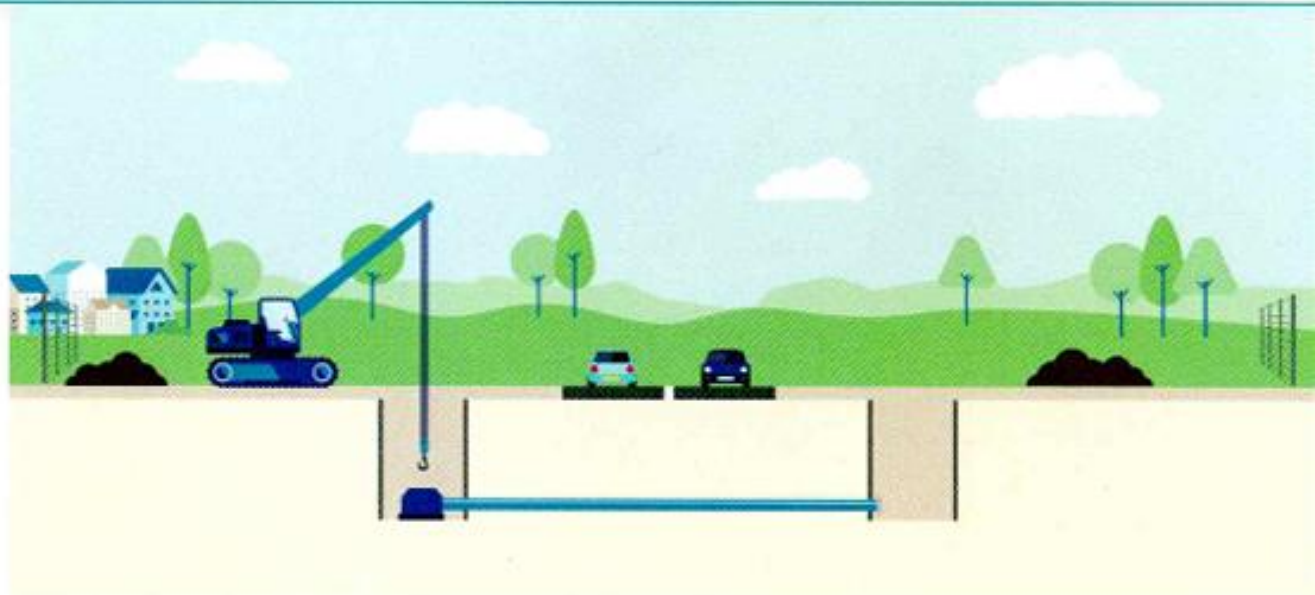


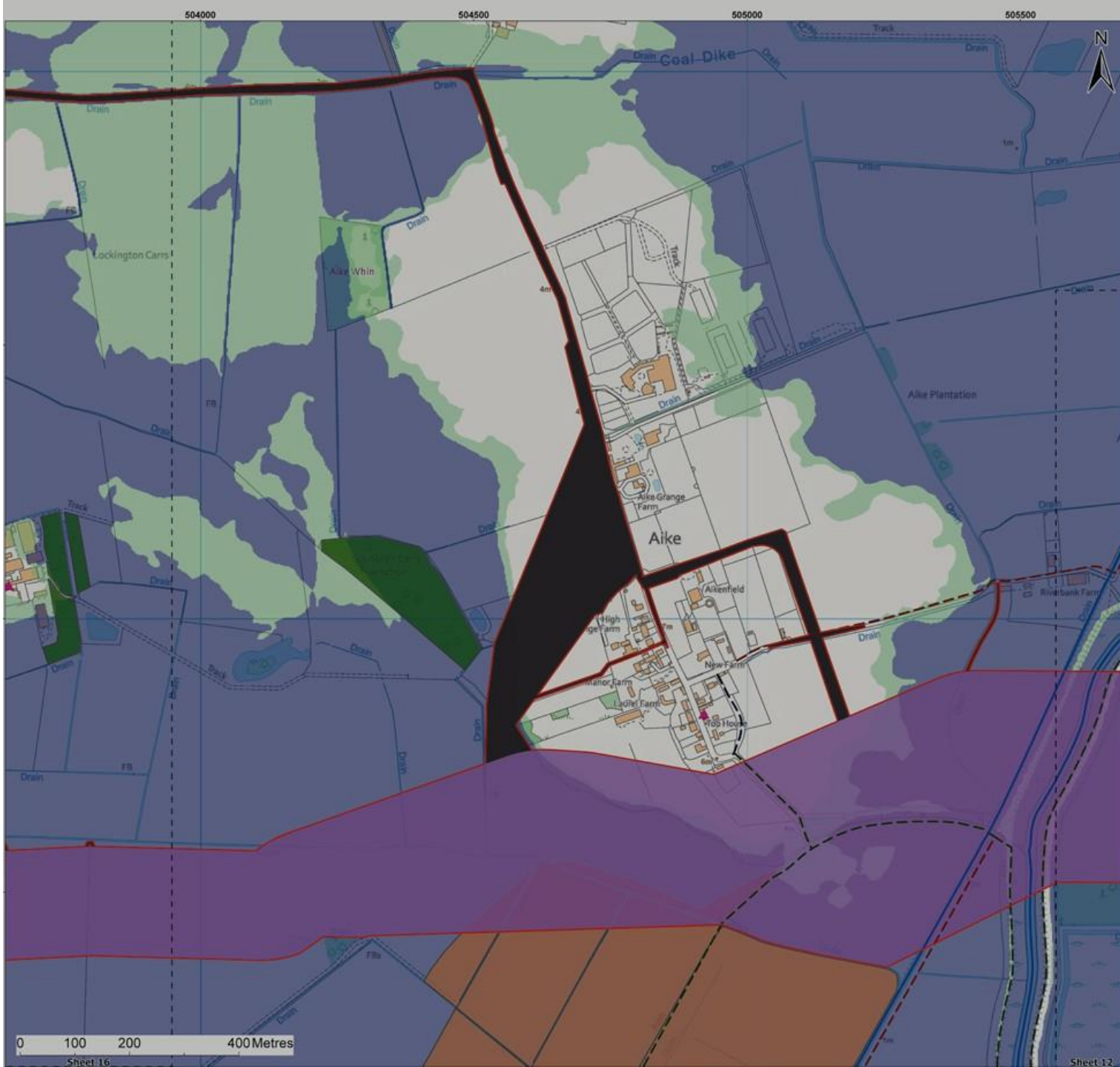
Microtunnelling (pipe jacking)

Microtunnelling is a pipe installation technique that uses microtunnel boring machines, allowing for precise and efficient installation without the need for extensive surface disruption, whilst protecting existing assets.

The process begins with the establishment of two shafts: a launch shaft where the microtunnel boring machine starts and a reception shaft where it finishes. At the launch shaft the machine is advanced through the ground using specially manufactured jacking pipes. The machine and pipes are pushed forward into the ground by hydraulic jacks at a controlled rate, ensuring safe and effective soil cutting.

As each pipe advances through the ground one length at a time, the pistons are retracted and the next pipe section is added to the pipe string. This process is repeated, one pipe length at a time, until the machine reaches the reception shaft.





- Legend:
- Sheet Extent
 - Onshore Development Area
 - Access
 - Corridor Section B
 - Main River
 - Flood Zone 3
 - Flood Zone 2
 - Listed Building Grades
 - Priority Habitat
 - Coastal and floodplain grazing marsh
 - Deciduous woodland
 - Public Rights of Way
 - Footpath
 - Bridleway
 - Restricted Byway

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Project:

Dogger Bank D
Offshore Wind Farm

DOGGER BANK
WIND FARM

Title:

Onshore Development Area for Statutory
Consultation June 2025 (Sheet 15)

Figure:	1	Drawing No:	PC6250-RHD-XX-ON-DR-GS-0574			
Revision:	Date:	Drawn:	Checked:	Size:	Scale:	
03	30/05/2025	AB	SM	A0	1:2,500	
02	19/05/2025	GC	SM	A0	1:2,500	

Co-ordinate system: British National Grid





Legend:

- | | |
|--|--|
| <ul style="list-style-type: none">Sheet ExtentOnshore Development AreaAccessCorridor Section BMain RiverFlood Zone 3Flood Zone 2 | <ul style="list-style-type: none">Priority Habitat<ul style="list-style-type: none">Coastal and floodplain grazing marshDeciduous woodlandPublic Rights of Way<ul style="list-style-type: none">FootpathBridlewayRestricted BywayListed Building Grades<ul style="list-style-type: none">II |
|--|--|

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Project:

Dogger Bank D
Offshore Wind Farm

DOGGER BANK
WIND FARM

Title:

Onshore Development Area for Statutory
Consultation June 2025 (Sheet 15)

Figure: 1

Drawing No: PC6250-RHD-XX-ON-DR-GS-0574

Revision:	Date:	Drawn:	Checked:	Size:	Scale:
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- Legend:
- Sheet Extent
 - Onshore Development Area
 - Indicative Intermediate Construction Compound for Onshore Export Cable Works
 - Access
 - Corridor Section B
 - Designated Local Wildlife Site (dLWS)
 - Main River
 - Flood Zone 3
 - Flood Zone 2
 - Railway
 - Scheduled Monuments
 - Listed Building Grades
 - Priority Habitat
 - Coastal and floodplain grazing marsh
 - Deciduous woodland
 - Traditional orchard
 - Public Rights of Way
 - Footpath
 - Bridleway

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Project:

Dogger Bank D Offshore Wind Farm

DOGGER BANK WIND FARM

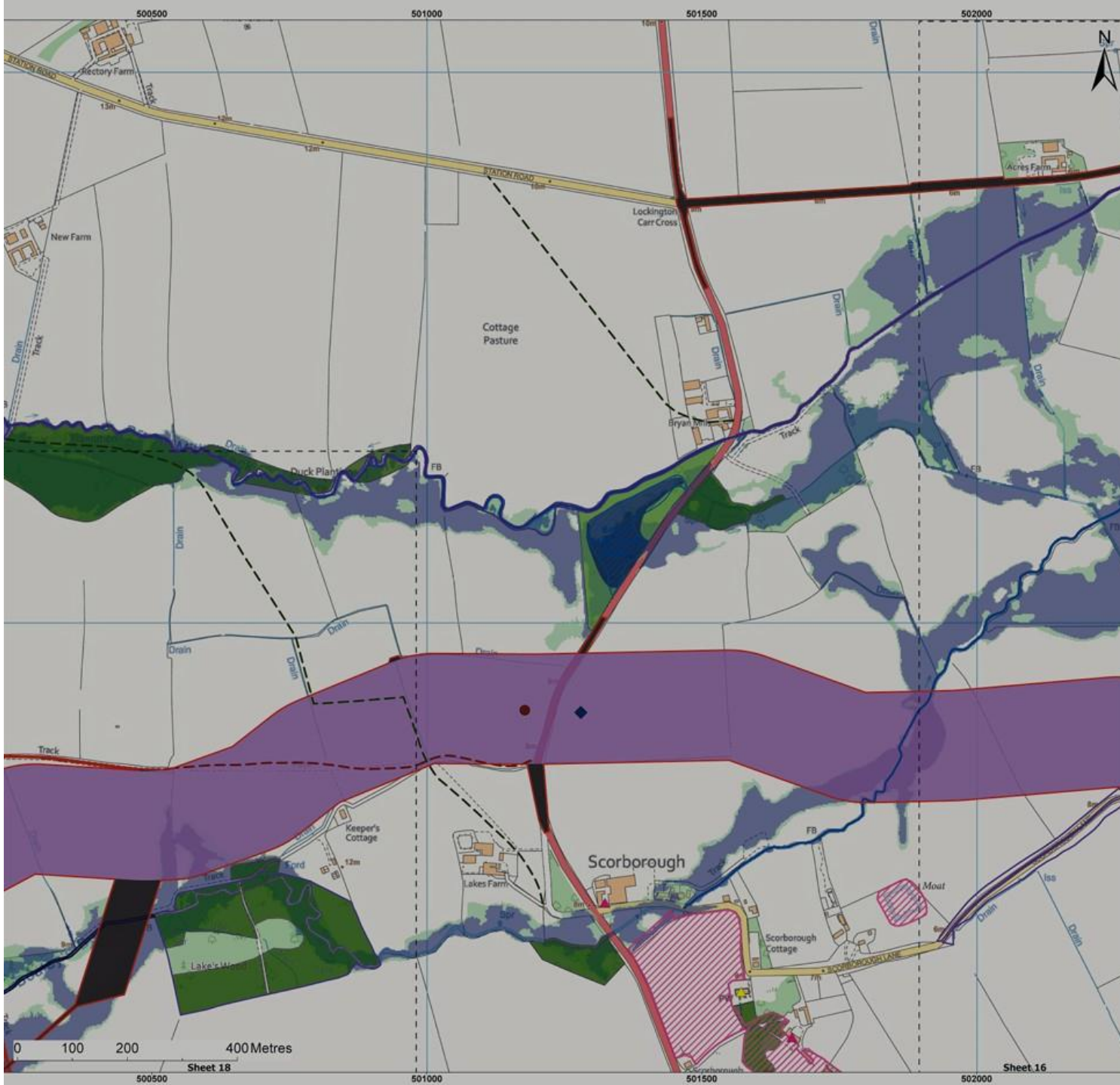
Title:

Onshore Development Area for Statutory Consultation June 2025 (Sheet 16)

Figure: 1 Drawing No: PC6250-RHD-XX-ON-DR-GS-0574

Revision:	Date:	Drawn:	Checked:	Size:	Scale:
03	30/05/2025	AB	SM	A0	1:2,500
02	19/05/2025	GC	SM	A0	1:2,500

Co-ordinate system: British National Grid



- Legend:
- Sheet Extent
 - Onshore Development Area
 - Indicative Intermediate Construction Compound for Onshore Export Cable Works
 - Indicative Main Construction Compound for Onshore Export Cable Works
 - Access
 - Corridor Section B
 - Site of Special Scientific Interest (SSSI)
 - Designated Local Wildlife Site (dLWS)
 - Candidate Local Wildlife Site (cLWS)
 - Main River
 - Flood Zone 3
 - Flood Zone 2
 - Scheduled Monuments
 - Listed Building Grades
 - I
 - II
 - Priority Habitat
 - Deciduous woodland
 - Lowland fens
 - Reedbeds
 - Traditional orchard
 - Public Rights of Way
 - Footpath
 - Bridleway

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Project:

Dogger Bank D
Offshore Wind Farm

DOGER BANK
WIND FARM

Title:

Onshore Development Area for Statutory Consultation June 2025 (Sheet 17)

Figure: 1 Drawing No: PC6250-RHD-XX-ON-DR-GS-0574

Revision:	Date:	Drawn:	Checked:	Size:	Scale:
03	30/05/2025	AB	SM	A0	1:2,500
02	19/05/2025	GC	SM	A0	1:2,500

Co-ordinate system: British National Grid



- Legend:
- Sheet Extent
 - Onshore Development Area
 - Access
 - Corridor Section B
 - Designated Local Wildlife Site (dLWS)
 - Candidate Local Wildlife Site (cLWS)
 - Main River
 - Flood Zone 3
 - Flood Zone 2
 - Priority Habitat
 - Deciduous woodland
 - Public Rights of Way
 - Footpath
 - Bridleway

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Project:

Dogger Bank D
Offshore Wind Farm

DOGBER BANK
WIND FARM

Title:

Onshore Development Area for Statutory
Consultation June 2025 (Sheet 18)

Figure: 1 Drawing No: PC6250-RHD-XX-ON-DR-GS-0574

Revision:	Date:	Drawn:	Checked:	Size:	Scale:
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02	19/05/2025	GC	SM	A0	1:2,500

Co-ordinate system: British National Grid

