

Viking CCS Pipeline

9.41 Design Changes 5 to 8: Environmental Technical Note

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Table of Contents

1	Introduction	1
1.1	Background	1
1.2	Purpose of this document	1
2	Description of Design Changes	2
2.1	Overview.....	2
2.2	Design Change 5: Removal of Theddlethorpe Facility Option 2	3
2.3	Design Change 6: Reduction of Order Limits around the former TGT	4
2.4	Design Change 7: Removal of a construction access point on A18, south of Laceby	7
2.5	Design Change 8: Removal of a construction access point on A46, west of Laceby	7
2.6	Updated DCO Site Boundary/Order Limits	10
3	Review of Impact of Design Changes on the Original ES and other Environmental Documents.....	14
3.1	General Approach.....	14
3.2	Design Change 5.....	14
3.3	Design Change 6.....	14
3.4	Review of the Original ES for Design Change 5 and 6	15
3.5	Design Change 7.....	22
3.6	Design Change 8.....	22
3.7	Review of the Original ES for Design Changes 7 and 8	22
4	Conclusion.....	30
5	References	31

Figures

Figure 1: Design Change 5 - Reduction of Order Limits and removal of Theddlethorpe Facility Option 2.....	5
Figure 2: Design Change 6 - Reduction in Order Limits around the former TGT Site	6
Figure 3: Design Change 7 - Removal of Access point off A18 south of Laceby	8
Figure 4: Design Change 8 - Removal of Access point off A46 west of Laceby	9
Figure 5: Updated Order Limits (June 2024)	11

Tables

Table 1: Summary of changes to significant effects reported within the Original ES	15
Table 2: Summary of changes to findings reported within other environmental reports	21
Table 3: Summary of changes to significant effects reported within the Original ES	22
Table 4: Summary of changes to findings reported within other environmental reports	28

1 Introduction

1.1 Background

- 1.1.1 This Environmental Technical Note is provided in relation to design changes within the Development Consent Order (DCO) Site Boundary/Order Limits for the Viking CCS Pipeline (hereafter referred to as the 'Proposed Development') DCO application.
- 1.1.2 The Viking CCS Pipeline is an onshore CO₂ transportation system comprising a buried approximately 55.5 kilometre (km) 24-inch diameter onshore pipeline commencing at the Immingham Facility and ending at the Theddlethorpe Facility. Here the onshore pipeline will connect into the existing 36-inch Lincolnshire Offshore Gas Gathering System (LOGGS) offshore pipeline by means of a crossover at the Theddlethorpe Facility and continue to Mean Low Water Springs (MLWS) tide mark.
- 1.1.3 Design Changes 1 and 2 were explained and reviewed within the Design Change 1 and 2 Environmental Technical Note, which was submitted to the Examining Authority on 19th March 2024.
- 1.1.4 Notification of the Applicant's intention to submit a change request (changes 3 – 8) was submitted to the Planning Inspectorate on 14 June 2024 [AS-059]. Design changes 3 and 4 have been assessed within the Design Change 3 and 4 Environmental Technical Note [EN070008/EXAM/9.40], which will also be submitted to the Examining Authority as part of the information package for change request 2.
- 1.1.5 This document has been prepared to review design changes 5 to 8 and review the impact of them upon the findings of the Environmental Statement (ES). In summary, these include:
- *Design Change 5*: Removal of Theddlethorpe Facility Option 2 from the application;
 - *Design Change 6*: Refinement of the Order Limits near Theddlethorpe Facility Option 1 and 2;
 - *Design Change 7*: Removal of a construction access point in North East Lincolnshire that adjoins the A18 Barton Road south of Laceby; and
 - *Design Change 8*: Removal of a construction access point in North East Lincolnshire that adjoins the A46 west of Laceby.
- 1.1.6 The likely environmental impacts and effects resulting from the Proposed Development during construction, operation and decommissioning are reported in the ES [APP-041 to APP-117] submitted as part of the DCO application for the project, and as amended.
- 1.1.7 The DCO application for the Proposed Development was submitted by the Applicant to the Planning Inspectorate on 23 October 2023. The application was accepted for Examination on 17 November 2023, with a Preliminary Meeting was held on 26 March 2024.

1.2 Purpose of this document

- 1.2.1 This Environmental Technical Note has been produced to assess the proposed design changes and to document any alterations to the findings or content of the ES [APP-041 to APP-117] and other environmental reports [APP-118 to APP-128] as submitted to the Planning Inspectorate on 23 October 2023 or as since amended. This report has been developed to ensure that the environmental impacts of Design Changes 5 to 8 have been appropriately assessed ensuring any new or different likely significant effects are identified,

to satisfy the requirements of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (as amended).

- 1.2.2 This document therefore provides further information relating to the specific changes to the Proposed Development as a result of Design Changes 5 to 8 and then provides a systematic review of these changes in terms of the findings of the original ES and other environmental reports submitted in support of the Applicant's application.

2 Description of Design Changes

2.1 Overview

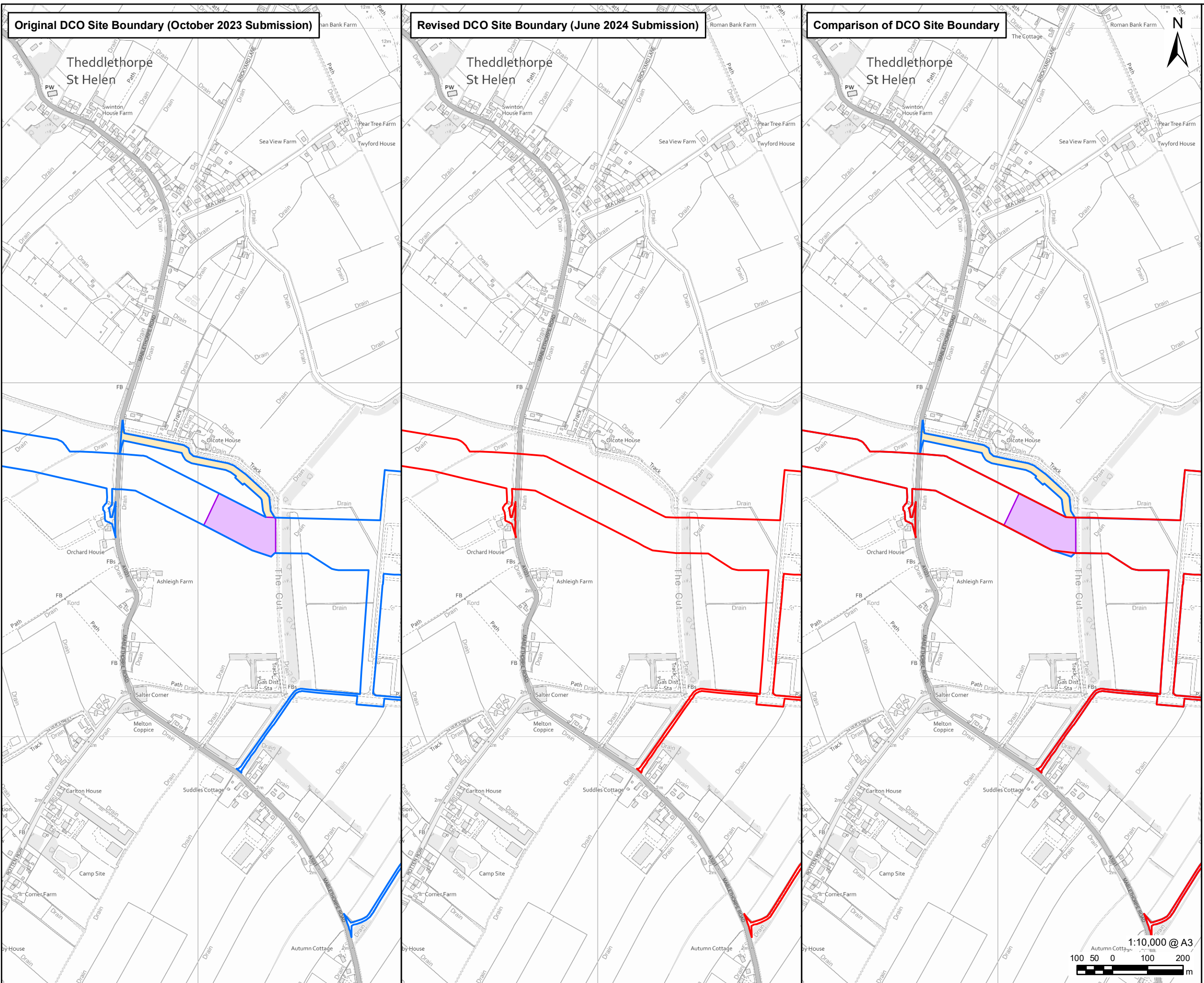
- 2.1.1 The DCO application included a degree of flexibility and optionality around the design of the Proposed Development, as presented within ES Volume II Chapter 3: Description of the Proposed Development [APP-045].
- 2.1.2 Since the submission of the original application, the Applicant has continued to engage with landowners and statutory consultees. At the former Theddlethorpe Gas Terminal site, the Applicant has held further discussions with National Gas Transmission (NGT) and Mablethorpe Flexible Generation Limited, seeking a voluntary agreement that would allow use of land within the former TGT site for the Theddlethorpe Facility (Option 1). As a result of these discussions, a number of minor amendments are required to the Order Limits around the former TGT site and it has also meant that it has now been possible to remove Theddlethorpe Facility Option 2 from the Application.
- 2.1.3 Additionally, further discussions have been held with the Local Highway Authority in North East Lincolnshire Council, which has resulted in the removal of one access point from the A18 and one access from the A46.
- 2.1.4 In summary, this Environmental Technical Note therefore considers the following four changes to the Proposed Development and previously agreed Order Limits:
- Change 5: Removal of Theddlethorpe Facility Option 2 from the Application (Removal of Work No. 42 from the Order Limits);
 - Change 6: Removal and Modification of the Order Limits near Theddlethorpe Facility Option 1 and Option 2 (Removal of Work no 42a, 42b and the reduction and modification to Work no. 41, 44, 45, 48a);
 - Change 7: Removal of construction access point 12-AB in North East Lincolnshire that adjoins the A18 Barton Road south of Laceby (removal of land from the Order Limits in Works No. 16a); and
 - Change 8: Removal of construction access point 11-AD in North East Lincolnshire that adjoins the A46 west of Laceby (removal of land from the Order Limits in Works No. 15a).

2.2 Design Change 5: Removal of Theddlethorpe Facility Option 2

- 2.2.1 At the point of submission, the Applicant included a degree of flexibility and optionality relating to the location of the Theddlethorpe Facility. The Theddlethorpe Facility will comprise the infrastructure necessary to enable CO₂ to flow from the new 24" pipeline into the existing LOGGS (36") pipeline, then onwards to be stored in the depleted gas fields within the southern North Sea.
- 2.2.2 The Proposed Development included optionality for the location of the Theddlethorpe Facility, which is set out in Chapter 3 of the ES [APP-045]. This optionality was included due to uncertainty about potential alternative plans that NGT (as landowner) had for the former TGT site. The following options were included as potential locations for the Theddlethorpe Facility:
- **Option 1** - would be located on previously developed land at the former TGT site; and
 - **Option 2** - would be located on arable land directly west of The Cut (an ordinary watercourse) and accessed from the north off the A1031 Mablethorpe Road.
- 2.2.3 The Applicant's preferred location for the Theddlethorpe Facility was Option 1, on the former TGT site, which is brownfield land that had a former industrial use. Locating the Theddlethorpe Facility on the former TGT site also facilitates the easiest connection into the LOGGS pipeline.
- 2.2.4 Following submission of the Application, NGT and Mablethorpe Flexible Generation Limited made representations (RR-056, RR-070) about the proposed future use of the TGT site. The Applicant has continued to work with NGT and Mablethorpe Flexible Generation Limited with a view to reaching a voluntary agreement that would allow use of the former TGT site for the Theddlethorpe Facility and accommodate potential future development by Mablethorpe Flexible Generation Limited.
- 2.2.5 The Applicant and NGT have now reached agreement on the terms of a voluntary agreement, with engrossed versions of those agreements now going through the final corporate approval processes of the respective organisations. As a result of this progress, the Applicant is now confident that Option 2 is no longer required, and the Applicant is submitting a change request for this option to be removed from the Proposed Development, including the proposed access track off the A1031 Mablethorpe Road.
- 2.2.6 The development of Option 1 for the Theddlethorpe Facility has already been fully assessed within the ES, this change would not result in new or different likely significant environmental effects to those reported for option 1.
- 2.2.7 Removing option 2 would not result in any new significant adverse effects as reported in the ES. The change would remove three moderate (significant) effects on the setting of listed buildings (two during construction and one during operation) which would no longer occur. Therefore, the ES conclusions have changed, but only in terms of a reduction in potential for significant effects.

2.3 Design Change 6: Reduction of Order Limits around the former TGT

- 2.3.1 Following on from the Applicant's ongoing discussions with NGT and Mablethorpe Flexible Generation Limited, as part of the voluntary agreement that would allow use part of the former TGT site for the Theddlethorpe Facility, a number of minor amendments are required to the Order Limits. These changes would result in alterations to the Order Limits associated with the Works Nos listed in paragraph 2.1.4.
- 2.3.2 The changes would also result in the removal of plots 35/8, 35/9, 35/10, 35/11 and 35/13 from the Land Plans. The nature of rights sought over plots 35/14 and 35/15 would also be amended from seeking permanent acquisition to seeking permanent acquisition of the subsurface only. The change would reduce the area of land included in the Order Limits and would not engage any new land interests. No additional land outside of the current Order Limits would be required.
- 2.3.3 As the Order Limits would be reduced, and none of the land was previously required for mitigation measures, this change would not result in new or different likely significant environmental effects to those reported within the ES.
- 2.3.4 The draft DCO [REP1-006], Explanatory Memorandum, Statement of Reasons [AS-043], Work Plans (Part 2 of 2) [APP-014], Land Plans [REP1-012], Access and Rights of Way Plans [REP1-011] and Book of Reference [REP2-002] would require to be amended.



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PROJECT
Viking CCS Pipeline

LEGEND

- Revised DCO Site Boundary (June 2024 Submission)
- Original DCO Site Boundary (October 2023 Submission)
- Permanent AGI, Construction Works and Temporary Working Area Associated with Theddlethorpe Facility Option 2 (Alternative)
- Permanent Access associated with Theddlethorpe Facility Option 2 (Alternative)

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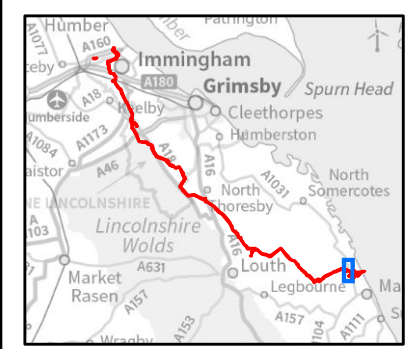
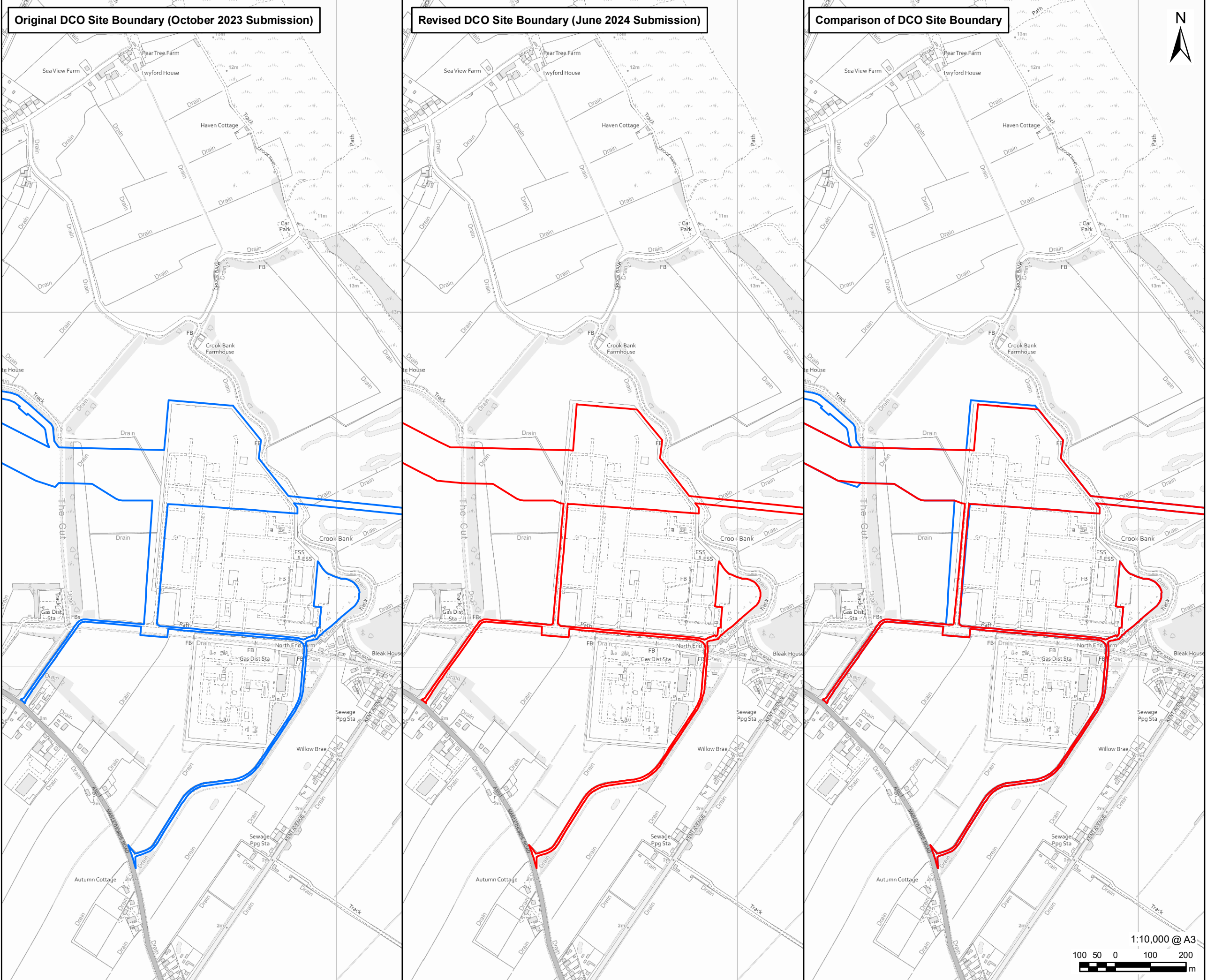


FIGURE TITLE
Figure 1
Design Change 5 - Reduction of Order Limits as a Result of Removal of Theddlethorpe Facility Option 2

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LEGEND

- Revised DCO Site Boundary (June 2024 Submission)
- Original DCO Site Boundary (October 2023 Submission)

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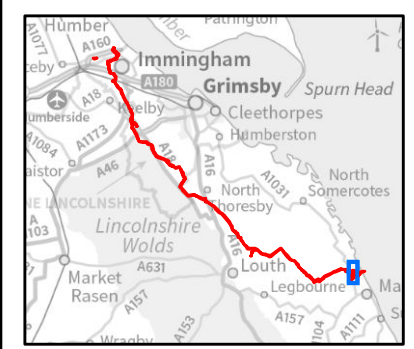


FIGURE TITLE
Figure 2
Design Change 6 - Amendment of Order Limits around the former TGT Site

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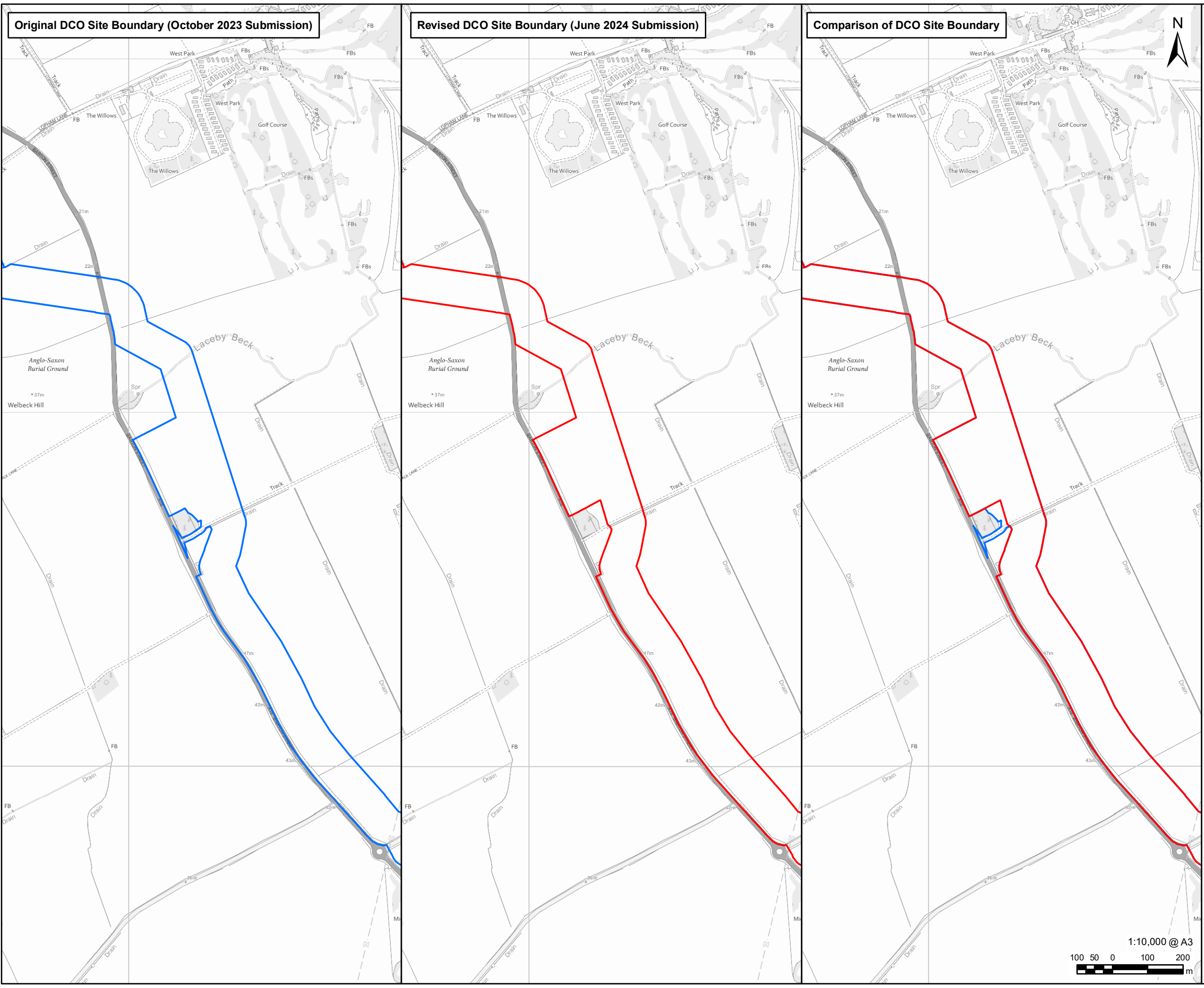
2.4 Design Change 7: Removal of a construction access point on A18, south of Laceby

- 2.4.1 The Proposed Development includes a number of vehicle access points along the route of the pipeline that will be used during the construction stage for the delivery of construction materials and plant. The Applicant has engaged with the Local Highway Authorities during the examination period. During these discussions, North East Lincolnshire Council has raised concern that adequate visibility may not be available for drivers entering and exiting construction access 12-AB leading east from the A18 in North East Lincolnshire. It is proposed that this access is to be removed from the Proposed Development and the Order Limits reduced accordingly.
- 2.4.2 This change would result in a reduction of the Order Limits associated with Works No.16a. The change would reduce the area of land included in the Order Limits and would not engage any new land interests. No additional land outside of the current Order Limits is required. This change would not result in new or different likely significant environmental effects reported in the ES.
- 2.4.3 The draft DCO [REP1-006], Statement of Reasons [AS-043], Work Plans (Part 2 of 2) [APP-014], Land Plans [REP1-012], Access and Rights of Way Plans [REP1-011] and Book of Reference [REP2-002] have also been amended.

2.5 Design Change 8: Removal of a construction access point on A46, west of Laceby

- 2.5.1 During discussions with the Local Highway Authority, North East Lincolnshire Council has also raised concern that adequate visibility may not be available for drivers entering and exiting construction access 11-AD leading north from A46. It is proposed that this access is removed from the Proposed Development and the Order Limits reduced accordingly.
- 2.5.2 This change would result in alterations to the Order Limits associated with the above Works Nos. The change would reduce the area of land included in the Order Limits and would not engage any new land interests. No additional land outside of the current Order Limits is required. This change would not result in new or different likely significant environmental effects reported in the ES.
- 2.5.3 The draft DCO [REP1-006], Statement of Reasons [AS-043], Work Plans (Part 2 of 2) [APP-014], Land Plans [REP1-012], Access and Rights of Way Plans [REP1-011] and Book of Reference [REP2-002] have been amended.

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LEGEND
Revised DCO Site Boundary (June 2024 Submission)
Original DCO Site Boundary (October 2023 Submission)

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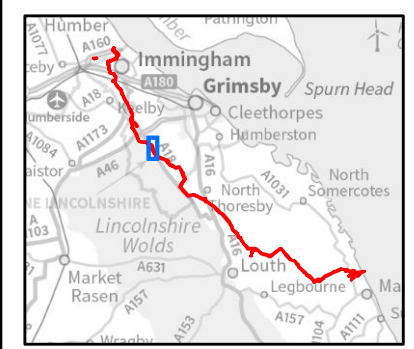
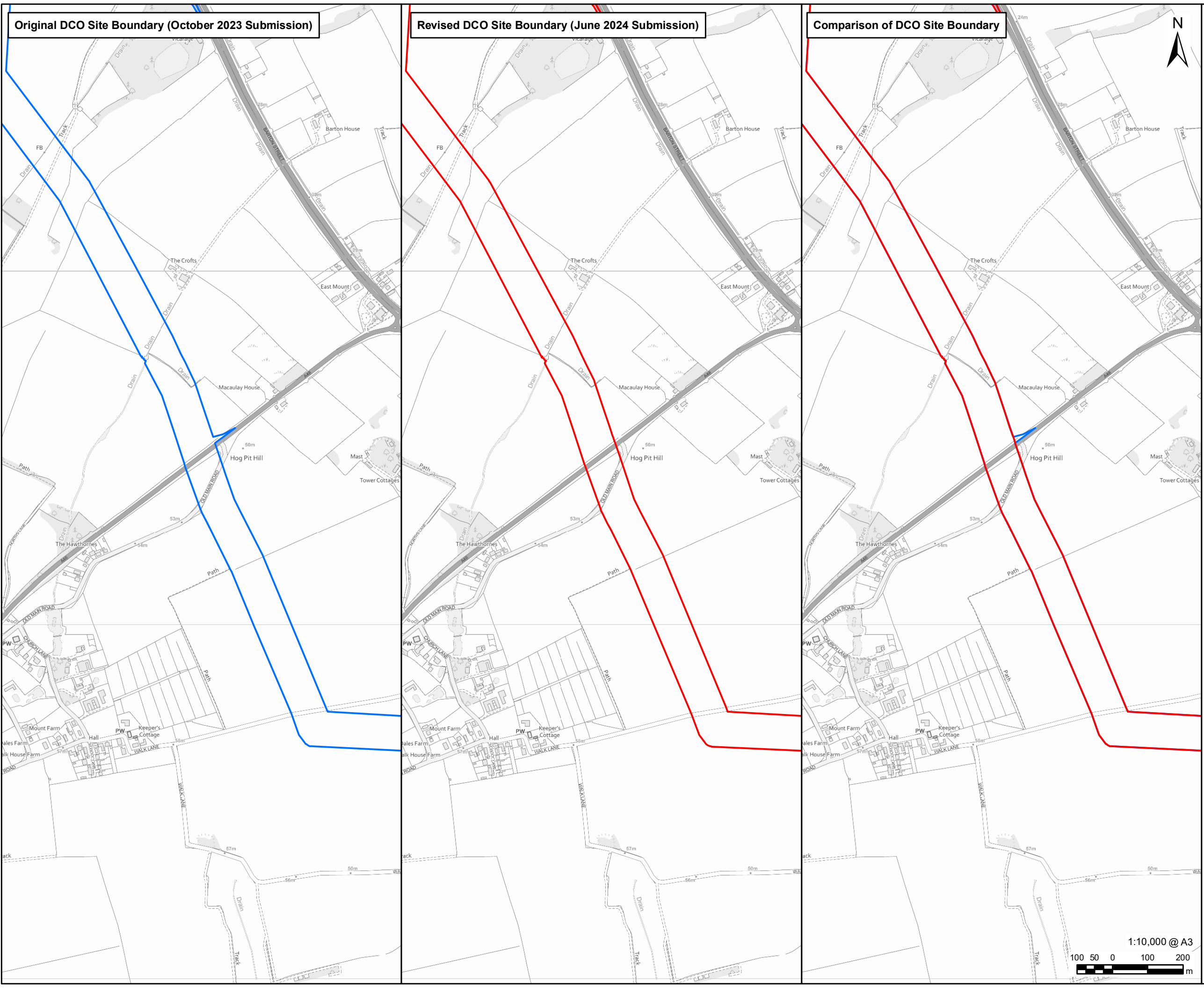


FIGURE TITLE
Figure 3
Design Change 7 - Amendment of Order limits at A18 Barton Road, near Laceby
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LEGEND

- Revised DCO Site Boundary (June 2024 Submission)
- Original DCO Site Boundary (October 2023 Submission)

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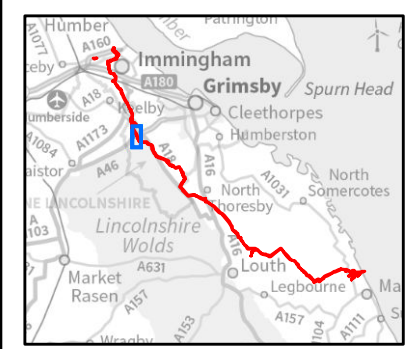


FIGURE TITLE

Figure 4
Design Change 8 - Amendment of Order Limits at A46, west of Laceby

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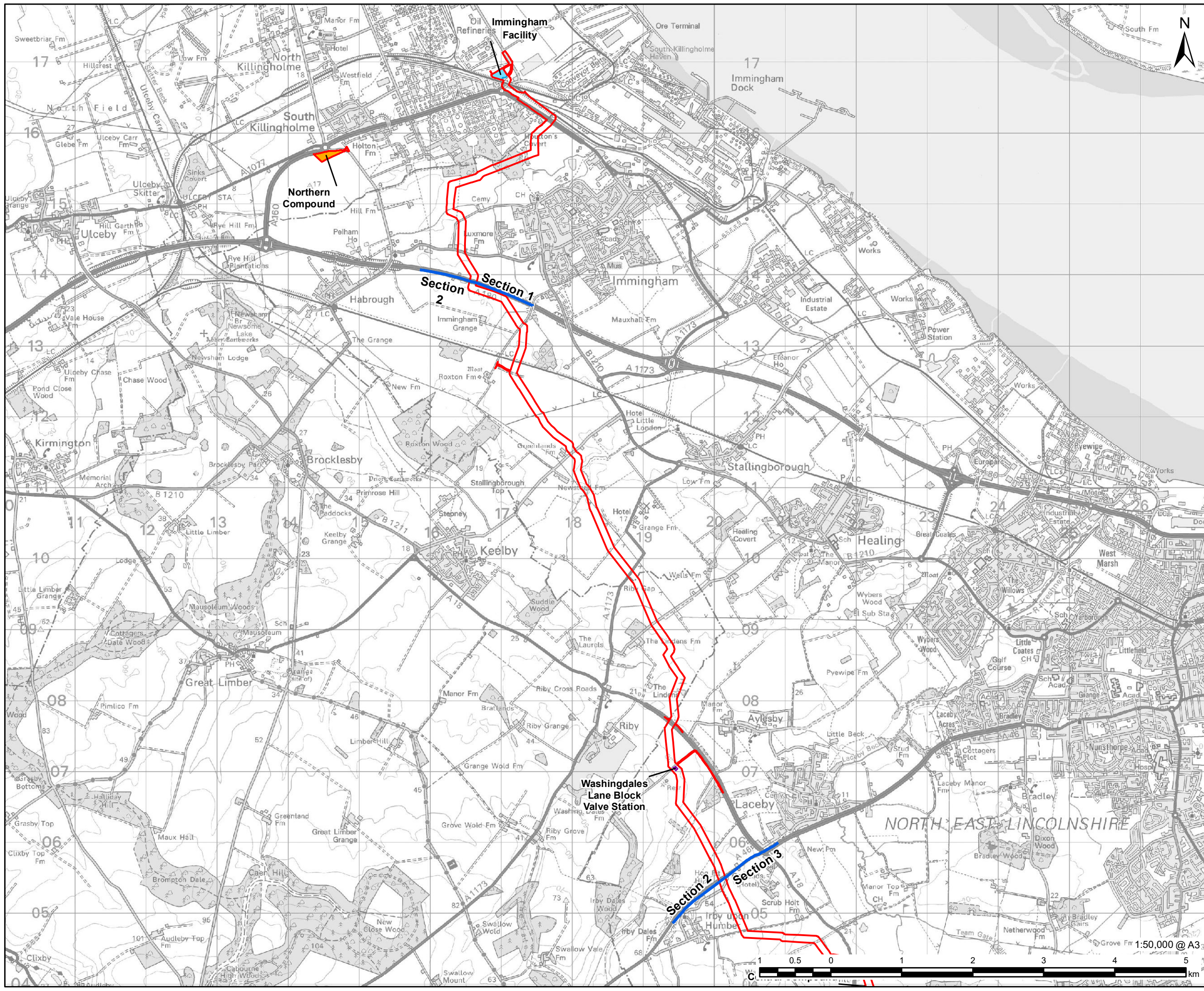
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2.6 Updated DCO Site Boundary/Order Limits

2.6.1 **Figure 5** presents the updated Order Limits/DCO Site Boundary for the proposed Development, taking into account the proposed design changes 3 to 8.



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LEGEND

- Revised DCO Site Boundary (June 2024 Submission)
- Route Section Break
- Temporary Construction Compound
- Block Valve Station
- Immingham Facility

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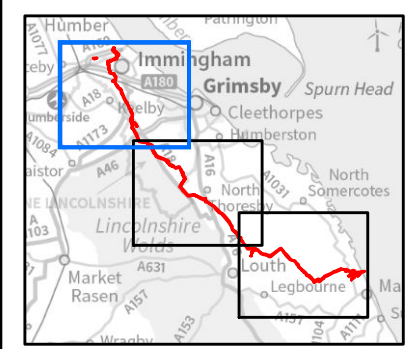
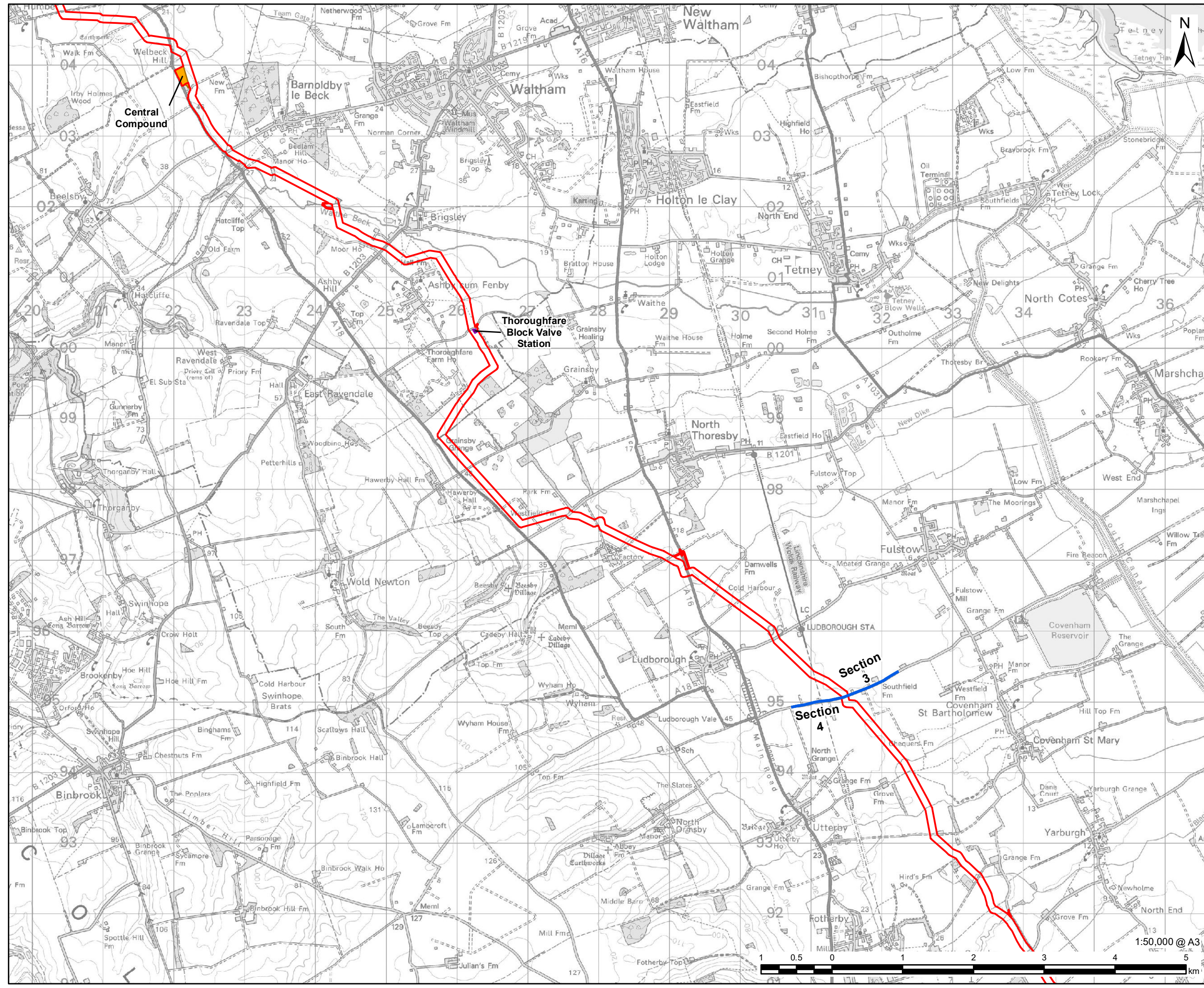


FIGURE TITLE
Figure 5 (1 of 3)
Updated Order Limits / DCO Site Boundary

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LEGEND

	Revised DCO Site Boundary (June 2024 Submission)
	Route Section Break
	Temporary Construction Compound
	Block Valve Station

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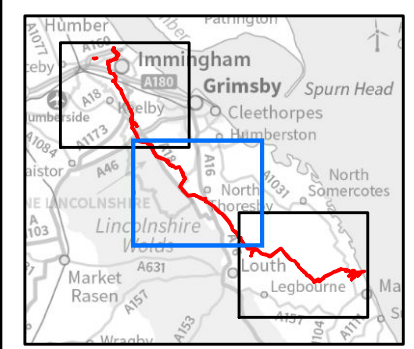
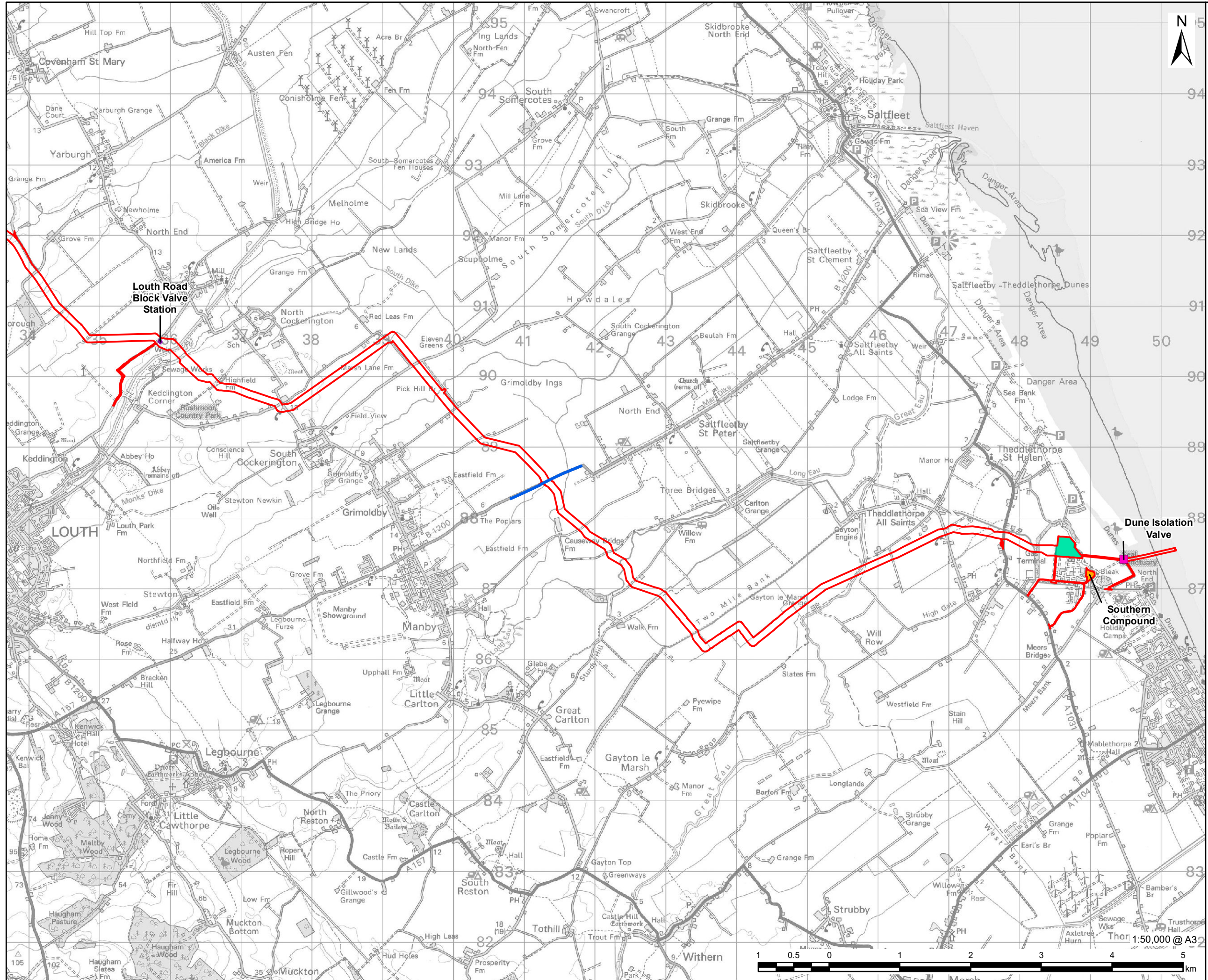


FIGURE TITLE
**Figure 5 (2 of 3)
Updated Order Limits / DCO Site
Boundary**

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- LEGEND**
- Revised DCO Site Boundary (June 2024 Submission)
 - Route Section Break
 - Dune Isolation Valve
 - Temporary Construction Compound
 - Block Valve Station
 - Theddlethorpe Facility

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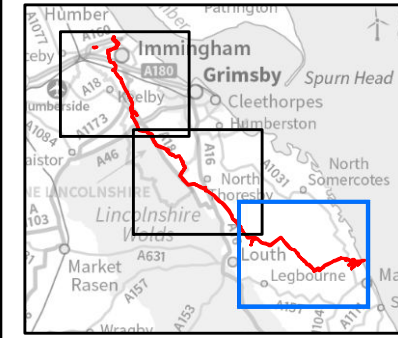
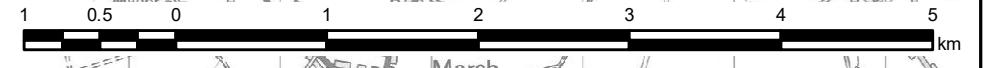


FIGURE TITLE
Figure 5 (3 of 3)
Updated Order Limits / DCO Site Boundary



3 Review of Impact of Design Changes on the Original ES and other Environmental Documents

3.1 General Approach

3.1.1 Each technical topic reported within the ES has been reviewed to see if the changes proposed could alter the assessment findings included within the original ES and other environmental documents submitted with the DCO application in October 2023. As part of the review, factors which have been considered include:

- Whether it increases or decreases the Order Limits;
- Whether the changes result in any amendments to the key components of the Proposed Development;
- Whether the changes introduce any new receptors which should be considered within the assessment;
- Whether the changes could alter the proposed construction phase works or programme;
- Whether the changes could alter the proposed operation of the Proposed Development; and
- Whether the changes could alter the proposed decommissioning of the Proposed Development.

Further details specific to design changes 5 to 8 are provided below.

3.2 Design Change 5

3.2.1 The proposed changes associated with design change 5 have been reviewed. This design change includes the removal of Theddlethorpe Facility Option 2, and the removal of the access road from the A1031 Mablethorpe Road has also been omitted from the Order Limits. This change reduces the order Limits by approximately 1.2 hectares. No new receptors have been identified as a result of this change. This change will also not lead to any material changes to the construction programme or methodology, nor to any of the plans for decommissioning.

3.2.2 **Table 1** provides a summary of the review of the impact of Design Change 5 on the findings presented within the original ES Volume II. **Table 2** provides a summary of the review of the impact of Design Change 5 on the findings provided in a number of other environmental reports which are deemed of particular relevance to this change.

3.3 Design Change 6

3.3.1 The proposed change to the Order Limits as a result of Design Change 6 has been reviewed. This change results in a reduction of the Order Limits by 1.4 hectares, narrowing the order limits to the west and northern part of the former TGT Site. No new receptors have been identified as a result of this change. This change will also not lead to any material changes to the construction programme or methodology, nor to any of the plans for decommissioning.

3.3.2 **Table 1** provides a summary of the review into the impact of Design Change 6 on the findings presented within the original ES Volume II. **Table 2** provides a summary of the review into the impact of Design Change 6 on the findings provided in a number of other environmental reports which are of particular relevance.

3.4 Review of the Original ES for Design Change 5 and 6

3.4.1 Table 1 below provides a summary of any potential changes to the findings reported in the application version of the Environmental Statement, included in Volume 6 of the application, as a result of either Design Change 5 or Design Change 6.

Table 1: Summary of changes to significant effects reported within the Original ES

Application Document Number	Relevant Topic and chapter of the ES	Change as a result of Design Change 5	Change as a result of Design Change 6
APP-048	Chapter 6: Ecology and Biodiversity	As a result of removing Theddlethorpe Facility (Option 2) from the application, the predicted minor habitat loss associated with this option will no longer occur and the largely arable field restored to its current state. The removal of the access track removes a proposed extension to the existing culvert.	There are no new ecological receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-049	Chapter 7: Landscape and Visual	Removing Theddlethorpe Facility Option 2 from the application will mean that the identified non-significant landscape and visual effects associated with this option, during both construction and operation, will no longer occur.	There are no new landscape or visual receptors affected as this change only results in a reduction of the Order Limits. The areas removed from the Order limits were not required to deliver any mitigation. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.

Application Document Number	Relevant Topic and chapter of the ES	Change as a result of Design Change 5	Change as a result of Design Change 6
APP-050 and updated version AS-023	Chapter 8: Historic Environment	Removing Theddlethorpe Facility Option 2 from the application will result in the removal of the identified significant effect during the construction phase on the setting of designated and non-designated built heritage assets, including Grade II listed Ashleigh Farm and Dicote House. Similarly, the identified operational phase significant effect upon the setting of Grade II Ashleigh Farm would no longer occur.	There are no new historic environment receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-051	Chapter 9: Geology and Hydrogeology	Removing Theddlethorpe Facility Option 2 from the application would not alter the findings of the Geology and Hydrogeology assessment as presented within the ES.	There are no new geological receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-052	Chapter 10: Agriculture and Soils	Removing Theddlethorpe Facility Option 2 from the application will result in the removal of the identified significant effect associated with the permanent loss of Best and Most Versatile Land associated with this option.	There are no new agriculture/soil receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different

Application Document Number	Relevant Topic and chapter of the ES	Change as a result of Design Change 5	Change as a result of Design Change 6
			magnitude from those assessed in the ES.
APP-053 and updated version REP2-004	Chapter 11: Water Environment	Removing Theddlethorpe Facility Option 2 from the application would not alter the findings of the Water Environment assessment as presented within the ES. However, it would mean that the Theddlethorpe Facility would now not be built on an existing greenfield/ arable location.	There are no new water environment receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-100 and updated version Rep2-020	ES Appendix 6.4.11.4 Water Framework Directive (WFD) Assessment	Removing Theddlethorpe Facility Option 2 from the application would not alter the findings of the WFD assessment as presented within the ES.	As the change resulted in a reduction to the Order Limits there would be no new or different consequences for WFD water bodies.
APP-101 and updated version REP2-022	ES Appendix 6.4.11.5 Flood Risk Assessment	Removing Theddlethorpe Facility Option 2 from the application would not alter the findings of the Flood Risk Assessment as presented within the ES. However, it does confirm that the Theddlethorpe Facility would now not be built on an existing greenfield/ arable location, which is a positive development in relation to flood risk.	As the change results in a reduction to the Order Limits considered previously in the Flood Risk Assessment, there is no potential for new or different flood risk impacts.
APP-054 and updated version REP2-006	Chapter 12: Traffic and Transport	Removing Theddlethorpe Facility Option 2 from the application would not alter the findings of the Traffic and Transport assessment as presented within the ES. This change will result in the removal of the	There are no new traffic and transport receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects

Application Document Number	Relevant Topic and chapter of the ES	Change as a result of Design Change 5	Change as a result of Design Change 6
		proposed new permanent access road from the A1031 Mablethorpe Road to Theddlethorpe Facility Option 2, which would no longer be required.	have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-055	Chapter 13: Noise and Vibration	Removing Theddlethorpe Facility Option 2 from the application would not alter the findings of the Noise and Vibration assessment as presented within the ES.	There are no new noise receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-056	Chapter 14: Air Quality	Removing Theddlethorpe Facility Option 2 from the application would not alter the findings of the Air Quality assessment as presented within the ES.	There are no new air quality receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-057 and updated version REP2-008	Chapter 15: Climate Change	Removing Theddlethorpe Facility Option 2 from the application would not substantially alter the findings of the Climate Change assessment as presented within the ES.	There are no new climate change receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified.

Application Document Number	Relevant Topic and chapter of the ES	Change as a result of Design Change 5	Change as a result of Design Change 6
			The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-058	Chapter 16: Socio-Economics	Removing Theddlethorpe Facility Option 2 from the application would not alter the findings of the Socio-economic assessment as presented within the ES.	There are no new socio-economic receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-059	Chapter 17: Health and Wellbeing	Removing Theddlethorpe Facility Option 2 from the application would not alter the findings of the Health and Wellbeing assessment as presented within the ES.	There are no new health and wellbeing receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-060 and updated version REP2-010	Chapter 18: Materials and Waste	Removing Theddlethorpe Facility Option 2 from the application would not alter the findings of the Materials and Waste assessment as presented within the ES.	There are no new materials and waste receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified.

Application Document Number	Relevant Topic and chapter of the ES	Change as a result of Design Change 5	Change as a result of Design Change 6
			The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-061	Chapter 19: Major Accidents and Disasters	Removing Theddlethorpe Facility Option 2 from the application would not alter the findings of the Major Accidents and Disasters assessment as presented within the ES.	There are no new receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-062	Chapter 20: Cumulative Effects Assessment	Removing Theddlethorpe Facility Option 2 from the application would not alter the findings of the Cumulative Effects assessment as presented within the ES.	There are no new receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.

3.4.2 Table 2 below provides a summary of any potential changes to the findings reported in the application versions of the Other Documents included in Volume 6 of the application, resulting from either Design Change 5 or Design Change 6.

Table 2: Summary of changes to findings reported within other environmental reports

Application Document Number	Relevant Topic/Report	Change as a result of Design Change 5	Change as a result of Design Change 6
APP-118 and updated version REP2-024	Report to Inform the Habitat Regulations Assessment	Removing Theddlethorpe Facility Option 2 from the application would not alter the findings of the HRA Report.	The change results in a reduction to the Order Limits considered previously in the HRA, and the areas removed as a result of the change were not required to mitigate or compensate for any potential effects on the Integrity of European Sites. As such it is concluded that there are no changes to the findings as reported in the HRA report.
APP-127	Outline Landscape and Ecological management Plan	Removing Theddlethorpe Facility Option 2 removes the need for the required landscaping plans that was necessary at this location.	There are no new receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified.
APP-124	Statement of Statutory Nuisance	As this document draws information about impacts from the ES, and there are no new or different significant effects in the ES, as set out in Table 1, it is concluded that there are no changes to the Statement of Statutory Nuisance as a result of Change 5.	As this document draws information about impacts from the ES, and there are no new or different significant effects in the ES, as set out in Table 1, it is concluded that there are no changes to the Statement of Statutory Nuisance as a result of Change 6.

3.5 Design Change 7

- 3.5.1 The proposed change to the Order Limits as a result of Design Change 7 has been reviewed. This change results in a reduction of the area within the Order Limits of 0.4 hectares, as a result of the removal of the required access off the A18, south of Laceby. No new receptors have been identified as a result of this change. This change will also not lead to any changes to the construction programme or methodology, nor to any of the plans for decommissioning.
- 3.5.2 **Table 3** provides a summary of the review into the impact of Design Change 4 on the findings presented within the original ES Volume II. **Table 4** provides a summary of the review into the impact of Design Change 4 on the findings provided in a number of other environmental reports which are of particular relevance.

3.6 Design Change 8

- 3.6.1 The proposed change to the Order Limits as a result of Design Change 4 has been reviewed. This change results in a reduction of the area within the Order Limits of 0.05 hectares, as a result of the removal of the required access off the A46, west of Laceby. No new receptors have been identified as a result of this change. This change will also not lead to any changes to the construction programme or methodology, nor to any of the plans for decommissioning.
- 3.6.2 **Table 3** provides a summary of the review into the impact of Design Change 4 on the findings presented within the original ES Volume II. **Table 4** provides a summary of the review into the impact of Design Change 4 on the findings provided in a number of other environmental reports which are of particular relevance.

3.7 Review of the Original ES for Design Changes 7 and 8

- 3.7.1 **Table 3** below provides a summary of any potential changes to the findings reported in the application version of the Environmental Statement, included in Volume 6 of the application, as a result of either Design Change 7 or Design Change 8.

Table 3: Summary of changes to significant effects reported within the Original ES

Application Document Number	Relevant Topic and chapter of the ES	Change as a result of Design Change 7	Change as a result of Design Change 8
APP-048	Chapter 6: Ecology and Biodiversity	There are no new ecological receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.	There are no new ecological receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.

Application Document Number	Relevant Topic and chapter of the ES	Change as a result of Design Change 7	Change as a result of Design Change 8
APP-049	Chapter 7: Landscape and Visual	There are no new landscape and visual receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.	There are no new landscape and visual receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-050 and updated version AS-023	Chapter 8: Historic Environment	There are no new historic environment receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.	There are no new historic environment receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-051	Chapter 9: Geology and Hydrogeology	There are no new geological receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.	There are no new geological receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.

Application Document Number	Relevant Topic and chapter of the ES	Change as a result of Design Change 7	Change as a result of Design Change 8
APP-052	Chapter 10: Agriculture and Soils	There are no new agriculture/soil receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.	There are no new agriculture/soil receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-053 and updated version REP2-004	Chapter 11: Water Environment	There are no new water environment receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.	There are no new water environment receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-100 and updated version Rep2-020	ES Appendix 6.4.11.4 Water Framework Directive (WFD) Assessment	As the change resulted in a reduction to the Order Limits there would be no new or different consequences for WFD water bodies.	As the change resulted in a reduction to the Order Limits there would be no new or different consequences for WFD water bodies.
APP-101 and updated version REP2-022	ES Appendix 6.4.11.5 Flood Risk Assessment	As the change results in a reduction to the Order Limits considered previously in the Flood Risk Assessment, there is no potential for new or different flood risk impacts.	As the change results in a reduction to the Order Limits considered previously in the Flood Risk Assessment, there is no potential for new or different flood risk impacts.

Application Document Number	Relevant Topic and chapter of the ES	Change as a result of Design Change 7	Change as a result of Design Change 8
APP-054 and updated version REP2-006	Chapter 12: Traffic and Transport	<p>There were three potential access points into the Central Compound off the A18 that were assessed in the original ES. These were 12-AA, 12-AB and 13-AA. Although it is proposed to remove access point 12-AB, there remain two options for accessing the Central compound off the A18 (12-AA and 13-AA). There are no new traffic and transport receptors affected as this change only results in a reduction of the Order Limits and removal of an access point that is no longer deemed necessary. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.</p>	<p>There are no new traffic and transport receptors affected as this change only results in a reduction of the Order Limits and removal of an access point which is deemed no longer necessary. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.</p>
APP-055	Chapter 13: Noise and Vibration	<p>There are no new noise receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.</p>	<p>There are no new noise receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.</p>

Application Document Number	Relevant Topic and chapter of the ES	Change as a result of Design Change 7	Change as a result of Design Change 8
APP-056	Chapter 14: Air Quality	<p>There are no new air quality receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.</p>	<p>There are no new air quality receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.</p>
APP-057 and updated version REP2-008	Chapter 15: Climate Change	<p>There are no new climate change receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.</p>	<p>There are no new climate change receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.</p>
APP-058	Chapter 16: Socio-Economics	<p>There are no new socio-economic receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.</p>	<p>There are no new socio-economic receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.</p>

Application Document Number	Relevant Topic and chapter of the ES	Change as a result of Design Change 7	Change as a result of Design Change 8
APP-059	Chapter 17: Health and Wellbeing	There are no new health and wellbeing receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.	There are no new health and wellbeing receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-060 and updated version REP2-010	Chapter 18: Materials and Waste	There are no new materials and waste receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.	There are no new materials and waste receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.
APP-061	Chapter 19: Major Accidents and Disasters	There are no new receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.	There are no new receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.

Application Document Number	Relevant Topic and chapter of the ES	Change as a result of Design Change 7	Change as a result of Design Change 8
APP-062	Chapter 20: Cumulative Effects Assessment	There are no new receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant cumulative environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.	There are no new receptors affected as this change only results in a reduction of the Order Limits. Consequently, no new or different significant cumulative environmental effects have been identified. The design change would therefore not result in potential impacts of a different magnitude from those assessed in the ES.

3.7.2 **Table 4** below provides a summary of any potential changes to the findings reported in the application versions of the Other Documents included in Volume 6 of the application, resulting from either Design Change 7 or Design Change 8.

Table 4: Summary of changes to findings reported within other environmental reports

Application Document Number	Relevant Topic/Report	Change as a result of Design Change 7	Change as a result of Design Change 8
APP-118 and updated version REP2-024	Report to Inform the Habitat Regulations Assessment	There are no new ecological receptors affected as this change only results in a reduction of the Order Limits and removal of an access point which is deemed no longer necessary. Consequently, no new or different significant environmental effects have been identified and the findings presented within the HRA remain valid.	There are no new ecological receptors affected as this change only results in a reduction of the Order Limits and removal of an access point which is deemed no longer necessary. Consequently, no new or different significant environmental effects have been identified and the findings presented within the HRA remain valid.
APP-124	Statement of Statutory Nuisance	As this document draws information about impacts from the ES, and there are no new or different significant effects in the ES, as set out in Table 1, it is concluded that there	As this document draws information about impacts from the ES, and there are no new or different significant effects in the ES, as set out in Table 1, it is concluded that there are

Application Document Number	Relevant Topic/Report	Change as a result of Design Change 7	Change as a result of Design Change 8
		are no changes to the Statement of Statutory Nuisance as a result of Change 7.	no changes to the Statement of Statutory Nuisance as a result of Change 8.

4 Conclusion

- 4.1.1 The changes to the Order Limits generated by Design Change's 5 to 8 have been reviewed and assessed by the same environmental specialists that drafted the ES and other supporting documents. The design changes require no additional land outside of the Order Limits and instead require a reduction on the Order Limits.
- 4.1.2 The extent to which the changes are likely to lead to new or different significant environmental effects in line with the methodologies set out in the Original ES, have been considered.
- 4.1.3 Based on the re-assessment work undertaken it is confirmed that the proposed design changes do not result in any changes to the conclusions presented in the ES and other environmental documents, apart from where previously identified significant adverse impacts on listed buildings and Grade 3 ALC associated with Theddlethorpe Facility Option 2 would no longer have any potential to occur as a result of this option being removed from the application.

5 References

HM Government, (2023). The Planning Inspectorate. *Advice Note Sixteen: Requests to change applications after they have been accepted for examination.*

