

The Keadby 3 Low Carbon Gas Power Station Project

Document Ref: 4.8

Planning Inspectorate Ref: EN010114

The Keadby 3 (Carbon Capture Equipped Gas Fired Generating Station) Order

Land at and in the vicinity of the Keadby Power Station site, Trentside, Keadby, North Lincolnshire

Indicative Electrical Connection Plans

The Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulation 5(2)(o)

Applicant: Keadby Generation Limited

Date: May 2021

DOCUMENT HISTORY

Document Ref	4.8/Indicative Electrical Connection Plans
Revision	VP1.0
Document Owner	AECOM

PROJECT

The Keadby 3 (Carbon Capture Equipped Gas Fired Generating Station) Order

APPLICANT

Keadby Generation Limited

CONSULTANT

AECOM LIMITED
GROUND FLOOR
2 CITY WALK
LEEDS, LS11 9AR
T:+44-(0)113-301-8400
WWW.AECOM.COM

LEGEND

- THE ORDER LIMITS
- Works Plan:
 - WORK NO. 3A ABOVE OR BELOW GROUND CONNECTION TO NATIONAL GRID 400kV SUBSTATION
 - WORK NO. 3B ELECTRICAL CABLE WORKS TO 132kV NORTHERN POWERGRID SUBSTATION.
- INDICATIVE 400kV ELECTRICAL CONNECTION ROUTING
- INDICATIVE NORTHERN POWERGRID SUBSTATION ELECTRICAL CONNECTION ROUTING - NORTHERN ALTERNATIVE
- INDICATIVE NORTHERN POWERGRID SUBSTATION ELECTRICAL CONNECTION ROUTING - SOUTHERN ALTERNATIVE

NOTES

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The Keadby 3 (Carbon Capture Equipped Gas Fired Generating Station) Order
Regulation 5(2)(o) - Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009

ISSUE PURPOSE

DCO APPLICATION

PROJECT NUMBER

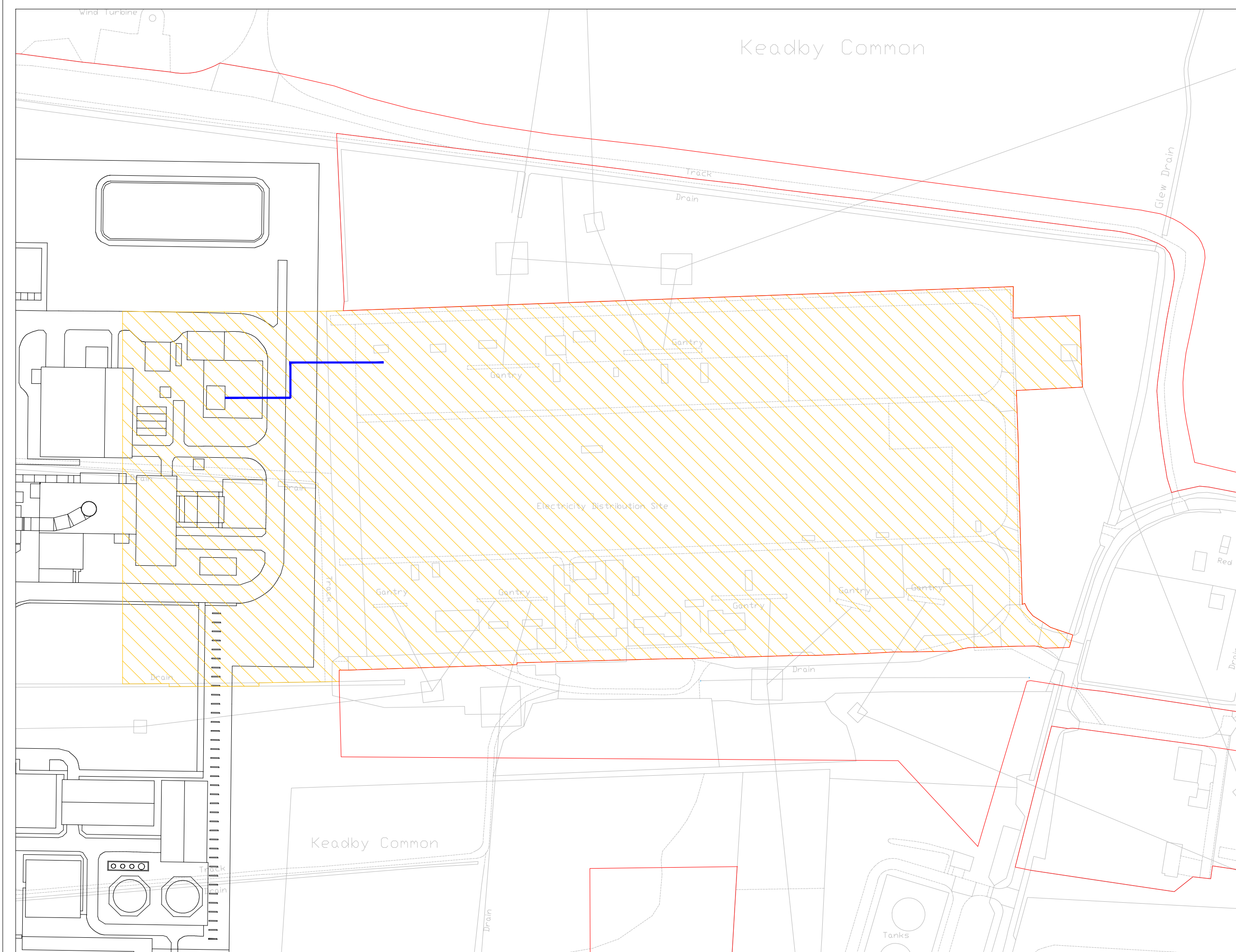
60625943

SHEET TITLE

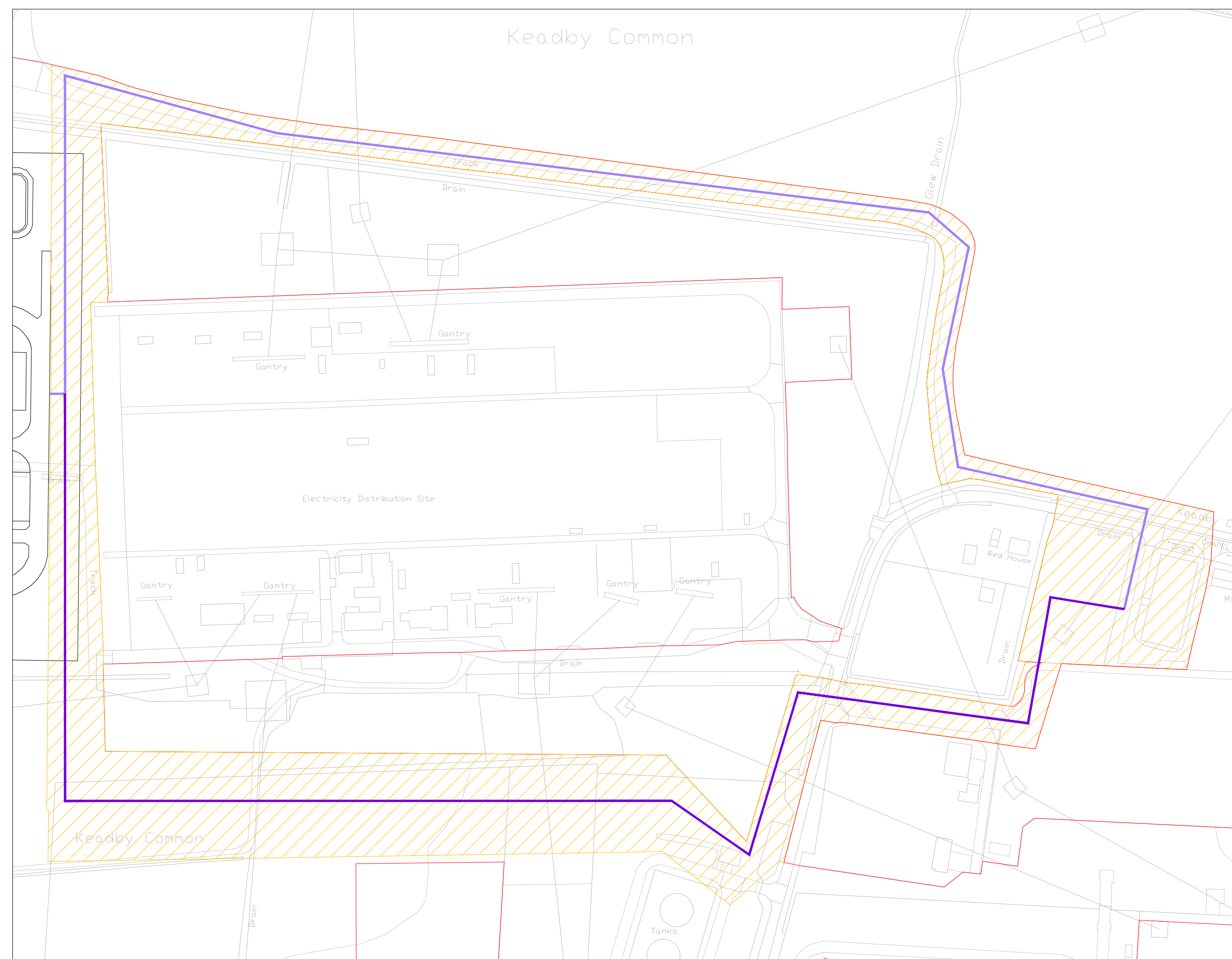
Indicative Electrical Connection Plans
Sheet 1 of 3 - Key Plan

SHEET NUMBER

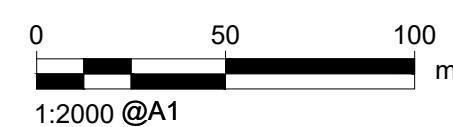
Application Document Ref. 4.8
60625943-PE-DRG-006



SHEET 2 OF 3 - 400kV CONNECTION LAYOUT VIEW



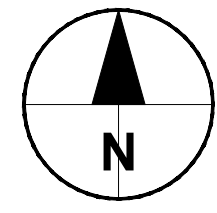
SHEET 3 OF 3 - NORTHERN POWERGRID SUBSTATION CONNECTION LAYOUT VIEW



Project Management Initials: Designer: _____ Checked: _____ Approved: _____

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Wind Turbine

Keadby Common

Glew Drain

Track
Drain

UNDERGROUND OR ABOVE
GROUND 400KV ELECTRICAL
CABLING

SUBSTATION BOUNDARY
CROSSING

Electricity Distribution Site

Gantry

Gantry

Gantry

Gantry

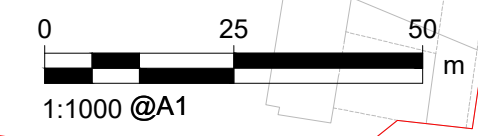
Gantry

Track

Drain

Drain

Keadby Common



PROJECT

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GROUND FLOOR
2 CITY WALK
LEEDS, LS11 9AR
T:+44-(0)113-301-8400
WWW.AECOM.COM

LEGEND

 THE ORDER LIMITS

Works Plan:
 WORK NO. 3A ABOVE OR BELOW
GROUND CONNECTION TO
NATIONAL GRID 400KV
SUBSTATION

 INDICATIVE 400KV ELECTRICAL
CONNECTION ROUTING

NOTES

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Regulation 5(2)(o) - Infrastructure Planning (Applications: Prescribed Forms and Procedures) Regulations 2009

ISSUE PURPOSE

DCO APPLICATION

PROJECT NUMBER

60625943

SHEET TITLE

Indicative Electrical Connection Plans
Sheet 2 of 3
400KV Connection Layout View

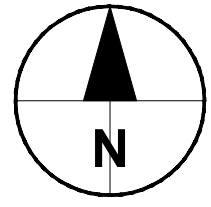
SHEET NUMBER

Application Document Ref. 4.8
60625943-PE-DRG-007

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Keadby Common

FARM TRACK - OPEN CUT AND COVER

UNDERGROUND 132kV ELECTRICAL CABLING

INTERNAL DRAINAGE BOARD DITCH - OPEN CUT AND COVER

BOUNDARY FENCE - OPEN CUT AND COVER

FARM TRACK AND INTERNAL DRAINAGE BOARD DITCH - OPEN CUT AND COVER

INTERNAL DRAINAGE BOARD DITCH - OPEN CUT AND COVER

BOUNDARY FENCE - OPEN CUT AND COVER

CHAPEL LANE - OPEN CUT AND COVER

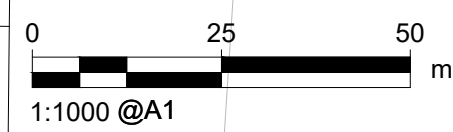
CHAPEL LANE - OPEN CUT AND COVER

TRACK - OPEN CUT AND COVER

MINOR ROAD - OPEN CUT AND COVER

MINOR ROAD - OPEN CUT AND COVER

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PROJECT

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APPLICANT

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CONSULTANT

AECOM LIMITED
GROUND FLOOR
2 CITY WALK
LEEDS, LS11 9AR
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LEGEND

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ISSUE PURPOSE

DCO APPLICATION

PROJECT NUMBER

60625943

SHEET TITLE

Indicative Electrical Connection Plans
Sheet 3 of 3
Northern Powergrid Substation Connection Layout View

SHEET NUMBER

Application Document Ref. 4.8
60625943-PE-DRG-008

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