

# FAIR OAKS RENEWABLE ENERGY PARK

## Environmental Statement Volume 3 - Figures

PREPARED ON BEHALF OF

Fair Oaks Renewable Energy Park Limited

JANUARY 2023



engena



# FAIR OAKS RENEWABLE ENERGY PARK - ENVIRONMENTAL STATEMENT VOLUME 3 - FIGURES

This Volume forms the third part of a four volume, five part Environmental Statement which describes the findings of the Environmental Impact Assessment (EIA) of the proposed Fair Oaks Renewable Energy Park. The volumes of the complete document are:

Document	Title	Contents
Volume 1	Non-Technical Summary	Summarises the proposal and the key conclusions of the EIA for the non-technical reader
Volume 2A	Written Statement	Presents the full assessments of the EIA
Volume 2B	Appendices	Presents the appendices referred to in the Written Statement
Volume 3	Figures	Presents the figures referred to in the Written Statement
Volume 4	Visualisations	Presents the visualisations referred to in the Landscape and Visual Impact Assessment (LVIA) within the Written Statement

In addition to the Environmental Statement, the Applicant, Fair Oaks Renewable Energy Park Limited, has submitted a Planning Statement which summarises the planning policy context of the proposal. A Design and Access Statement, as well as a supporting Transport Statement, Socio Economic Statement and environmental assessments undertaken outside of the EIA regulations also accompany the planning application.

A complete set of application documents can be viewed in person at Rushcliffe Borough Council (Planning Team), Rushcliffe, Arena Rugby Road, Bridgeford, NG2 7YG or downloaded from the project website, as detailed in the box below.

Printed copies can be purchased at a cost of £500+VAT or digital versions, either as a download or on CD-ROM free of charge.

To order copies, please contact Engena Limited at:

The Old Stables, Bosmere Hall,  
Creeping St Mary, IP6 8LL.

info@engena.co.uk

The Developer may also be contacted at:

<https://ridgecleanenergy.com/fairoaks/>

## FIGURE LIST

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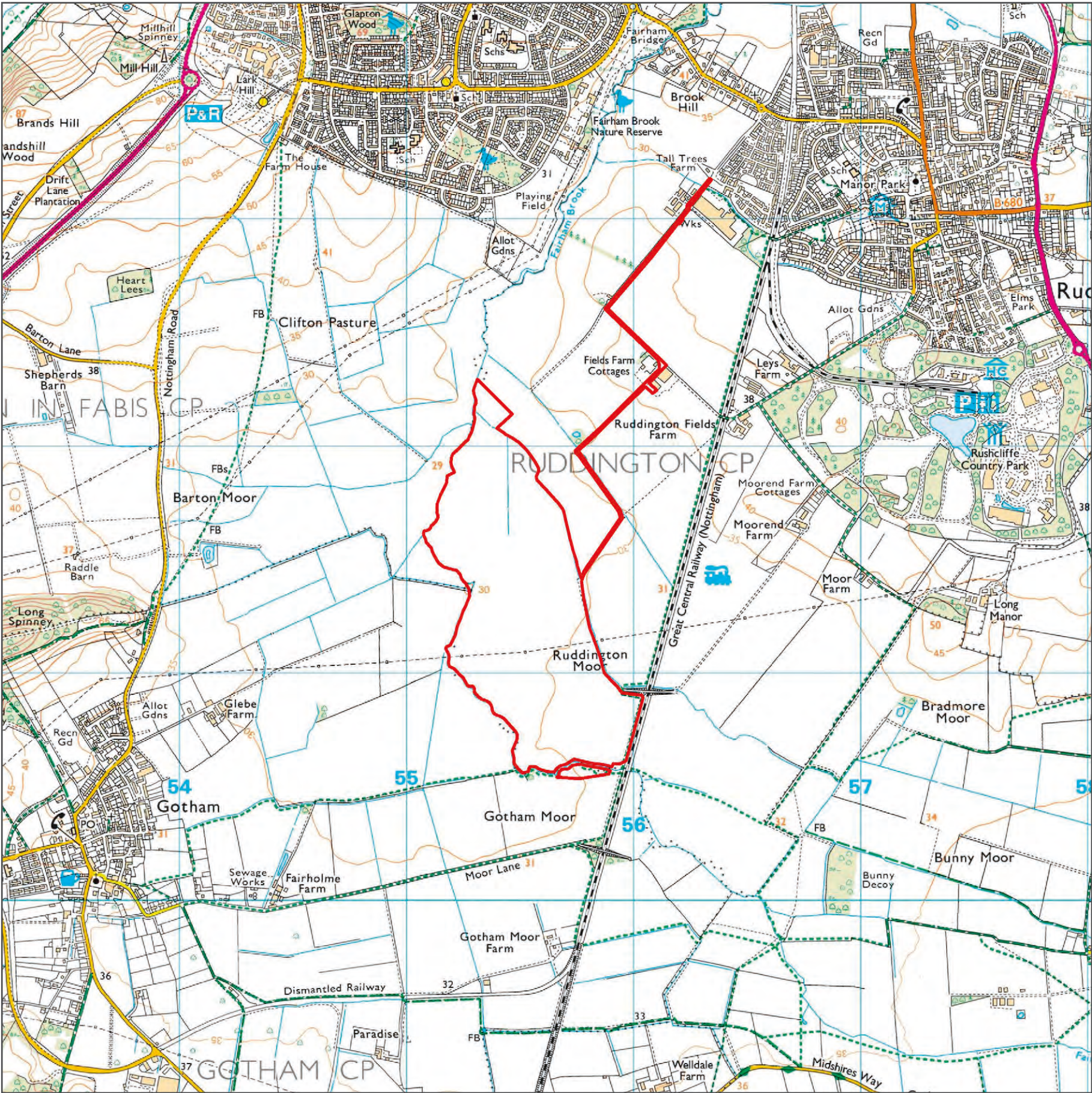
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FAIR OAKS RENEWABLE  
ENERGY PARK  
Site Location Plan

Figure 1.1

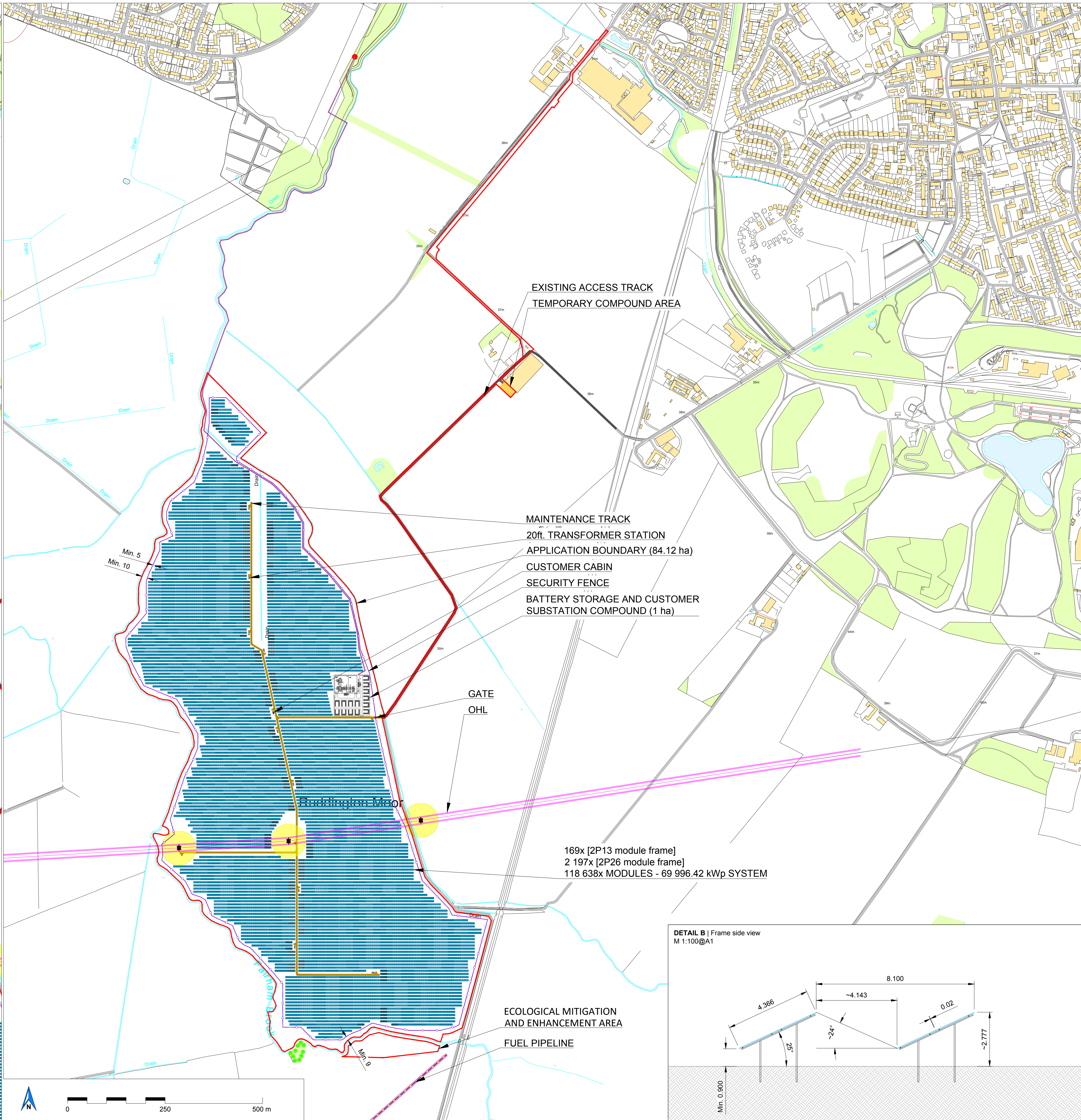
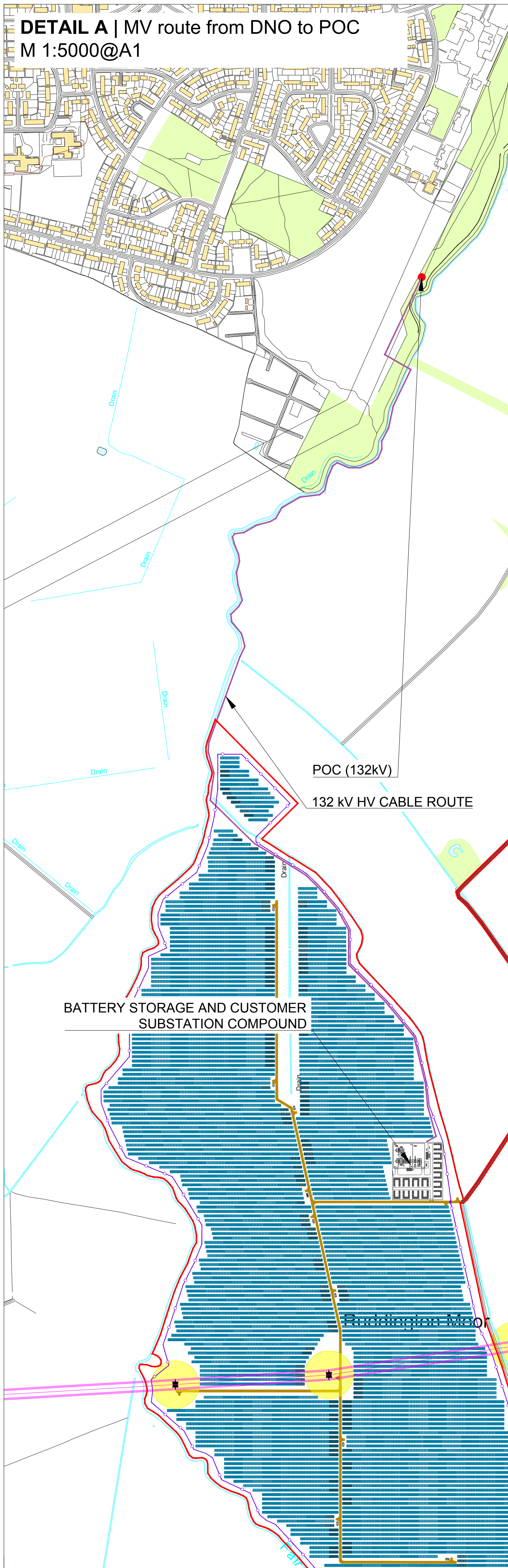
Key

 North

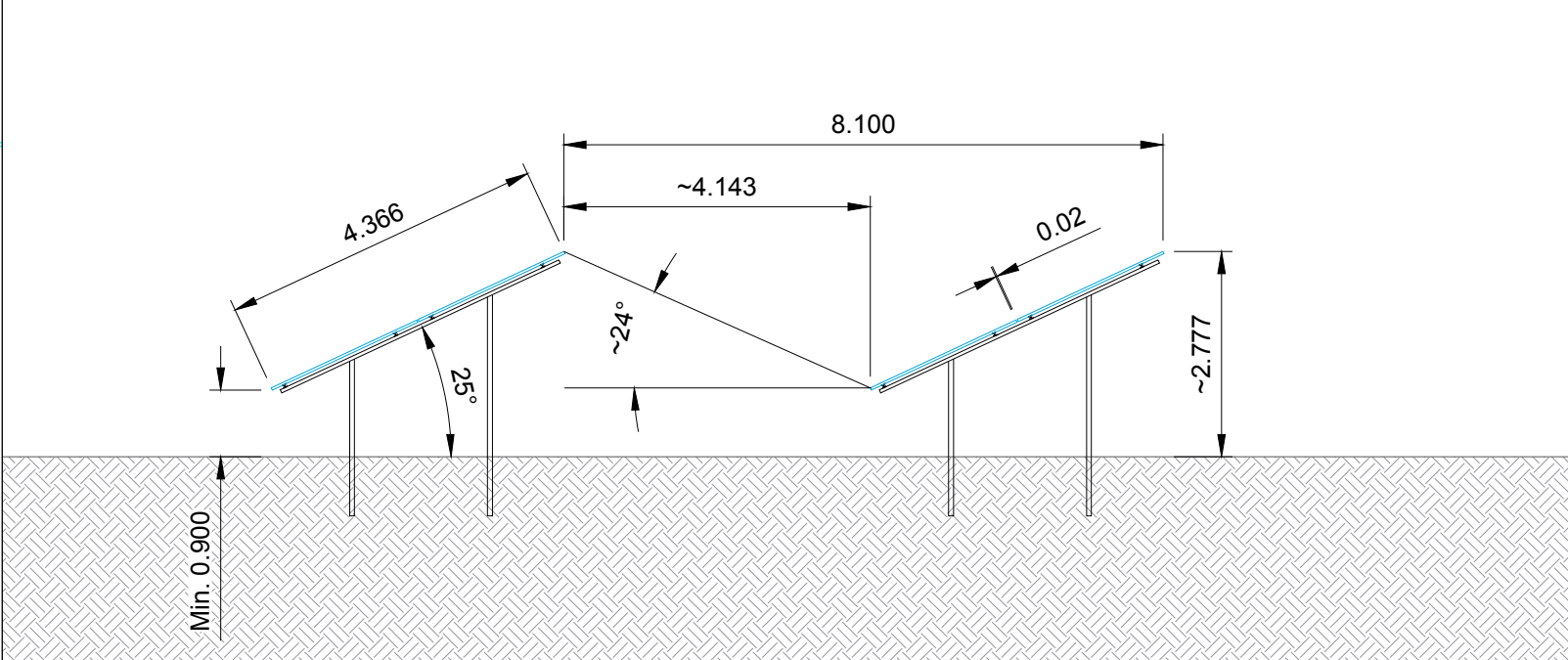
 Application Boundary (edged in red)



DETAIL A | MV route from DNO to POC  
M 1:5000@A1



DETAIL B | Frame side view  
M 1:100@A1



Notes:

- All dimensions to be confirmed on site prior to installation.
- All dimensions are indicative only and in m unless otherwise specified.
- Drawing based on:
  - "OS\_VectorMap\_Local.dwg"
  - "Fair Oaks - Option Areas & Site Plan.pdf"
  - "Fair Oaks Boundary & Crossing.km"
  - "LIDAR\_2m\_DTM\_-\_EA\_737084\_953524.dwg"

Legend:

- Application boundary
- Perimeter fence
- Overhead line
- Gas pipeline
- 132kV HV Cable route
- Maintenance track
- Existing access track
- Customer cabin
- 20ft. transformer station
- 20ft. Customer substation
- 40m clearance from pylons
- 6m clearance around fuel pipeline
- Temporary construction compound area
- Battery storage unit
- Customer substation compound area

System description:

DC Power kWp:	69 996.42
AC Power kVA:	49 980 @215kVA
No. of modules:	118 638
Module type:	Canadian Solar CS7L-590MB
Dimensions:	2173x1305x35
Substructure type:	2 modules in portrait
Tilt angle:	25°
Shading angle:	~24°
Azimuth from South:	Due south
Pitch distance:	8 100mm
Row to row distance:	~4 143mm
No. of inverters:	232
Inverter type:	Huawei SUN2000-215KTL-H0
Power ratio:	1.36 / 1.43 @215kVA
No. of AC combiners:	-
No. of Transformers:	10
Fence area:	~75.17 ha
Fence length:	~4 424m
Total area:	~84.12 ha

Proposed location:



Revisions:

Rev	Date	Comments	Drawn
0	08/11/22	Site boundary changed	MG
A	22/11/22	Substation compound updated	MG
B	19/12/22	Minor layout amendments	MG

Project: Fair Oaks Renewable Energy Park  
Location: Fields Farm, Asher Lane, Ruddington, Nottingham, NG11 6JX, UK  
52°52'58.83"N 1°10'44.65"W  
Title: Figure 1.2 - Proposed Site Layout

Drawn: DETRA / MG  
Scale: 1:5000@A1  
Drawing No: RCE1003-100  
Checked: JF  
Date: 19/12/22  
Rev: B

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Do not scale from this drawing. Site verify all dimensions prior to construction.  
Report all discrepancies to the drawing originator immediately. This drawing is to be read in conjunction with all relevant documents and drawings.

Proposal only