

EXISTING ACCESS TRACK TEMPORARY COMPOUND AREA

MAINTENANCE TRACK 20ft. TRANSFORMER STATION APPLICATION BOUNDARY (84.12 ha) CUSTOMER CABIN SECURITY FENCE BATTERY STORAGE AND CUSTOMER SUBSTATION COMPOUND (1 ha)

GATE OHL

-

169x [2P13 module frame] 2 197x [2P26 module frame] 118 638x MODULES - 69 996.42 kWp SYSTEM

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

~4.143

\*





1. All dimensions to be confirmed on site prior to installation.

only

Sa

 $\mathbf{O}$ 

 $\bigcirc$ 

- 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.kml" "LIDAR\_2m\_DTM\_-\_EA\_737084\_953524.dwg"

#### Legend:

	Application boundary	
Minanti sinanti sinanti si	Perimeter fence	
	Overhead line	
	Gas pipeline	
	132kV HV Cable route	
	Maintenance track	
	Existing access track	
CUSTOMER CABIN	Customer cabin	
Σ	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	

69 996.42 49 980 @215kVA

118 638

~24°

232

Due south

8 100mm ~4 143mm

~75.17 ha

~4 424m

~84.12 ha

2173x1305x35

2 modules in portrait

Canadian Solar CS7L-590MB

Huawei SUN2000-215KTL-H0

1.36 / 1.43 @215kVA

System description:

DC Power kWp: AC Power kVA: No. of modules: Module type: Dimensions: Substructure type: Tilt angle: Shading angle: Azimuth from South: Pitch distance: Row to row distance: No. of inverters:

Inverter type: Power ratio: No. of AC combiners No. of Transformers 10

Fence area: Fence length: Total area:

Proposed location:



#### Revisions:

Rev	Date	Comments		Drawn
0	08/11/22	Site boundary cha	nged	MG
А	22/11/22	Substation compo	und updated	MG
В	19/12/22	Minor layout amen	dments	MG
Proje	Broject: Fair Oaks Benewahle Energy Park			
rioje				lergy i and
Loca	tion:	Fields Farm, Asher Lane, Ruddington, Nottingham, NG11 6JX, UK 52°52'58.83"N 1°10'44.65"W		
Title:		Figure 1.3 - Proposed Site Layout (Aerial Image Underlay)		
Draw	/n:	DETRA / MG	Checked:	JF
Scale	e:	1:5000@A1	Date:	19/12/22
Draw	ving No:	RCE1003-100	Rev:	В
	Y			



Ridge Clean Energy Noah's Ark, Market Street Charlbury, OX7 3PL Oxforshire energy@ridgecleanenergy.com



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.



### FAIR OAKS RENEWABLE ENERGY PARK

Typical Solar Panel

Figure 6.1

PREPARED ON BEHALF OF

Y RIDGe Clean Energy





#### FAIR OAKS RENEWABLE ENERGY PARK Typical Solar Panel and Frame Elevation

# Figure 6.2

NOTES

\_\_\_\_\_

1 All measurements in millimetres, unless stated otherwise

PREPARED ON BEHALF OF







#### FAIR OAKS RENEWABLE ENERGY PARK Typical Access Track Detail

### Figure 6.3

#### NOTES

1	All measurements in millimetres, unless stated otherwise	
2	The thickness of the gravel layer depends on the load-bearing capacity of the subsoil and must be taken from the soil expertise	
3	The gravel must be placed in layers and compacted. Information on this and the proctor density to be achieved can also be found in the soil report	
4	The required number of ductworks must be determined and can be higher than shown in the drawing	

PREPARED ON BEHALF OF









Side elevation

End elevation



## FAIR OAKS RENEWABLE ENERGY PARK

# Typical Transformer Detail

# Figure 6.4a

#### KEY

1	All measurements in millimetres, unless stated otherwise		
2	Door arrangement and ventilation may vary		
3	External finishes to be agreed with the LPA prior to construction		
4	Built off 150mm high plinth (unless elevated)		

PREPARED ON BEHALF OF







Side elevation





## FAIR OAKS RENEWABLE ENERGY PARK

### Typical Elevated Transformer Detail

# Figure 6.4b

KEY		
	1	All measurements in millimetres, unless stated otherwise
	2	Door arrangement and ventilation may vary
	3	External finishes to be agreed with the LPA prior to construction

PREPARED ON BEHALF OF









Side elevation

End elevation



# FAIR OAKS RENEWABLE ENERGY PARK

### Typical Customer Container Detail

# Figure 6.5

KEY		
	1	All measurements in millimetres, unless stated otherwise
	2	Door arrangement and ventilation may vary
	3	External finishes to be agreed with the LPA prior to construction
	4	Built off 150mm high plinth
	5	Where elevated

PREPARED ON BEHALF OF







#### FAIR OAKS RENEWABLE ENERGY PARK Typical Cable Trench Detail

# Figure 6.6

------

PREPARED ON BEHALF OF







Scale 1:50 at A3

#### FAIR OAKS RENEWABLE ENERGY PARK Typical Site Fencing Detail

# Figure 6.7

#### NOTES

1	All measurements in millimetres, unless stated otherwise		
2	1.8m High Tensile Deer Fencing		
3	Fencing raised by 150mm to allow for passage of small animals.		
4	Gates installed across access track at both ends.		
5	Post depth according to ground conditions.		

PREPARED ON BEHALF OF







Scale 1:10 at A3

### FAIR OAKS RENEWABLE ENERGY PARK Typical CCTV Detail

# Figure 6.8

#### NOTES

1.	Exact equipment to be procured prior to
	construction in agreement with the LPA.

2. Cameras to be inwards-facing.

PREPARED ON BEHALF OF









<u>DETAIL PLAN</u> (1:250)

- 1. All dimensions are in metres (m).
- 2. Refer Fig. 6.10 for Elevations.

RIDGE No RIDGE Ma CLEAN Chi ENERGY Ox	ge Clean Energy Ltd ah's Ark Irket Street arlbury on OX7 3PL		
PROJECT			
FAIR OAKS RENE	WABLE ENERG	GY PARK	
TITLE			
INDICATIVE BESS AND SUBSTATION LAYOUT ARRANGEMENT			
PAPER SIZE A1	DRAWN BY M STUART	DATE 17/11/2	
SCALE 1:250	CHECKED J. MURPHY	DATE 17/11/2	
DRG NUMBER:			
Fig. 6.9			