

THREE OAKS RENEWABLE ENERGY PARK

Environmental Report Figures

PREPARED ON BEHALF OF

Three Oaks Renewable
Energy Park Limited

AUGUST 2022



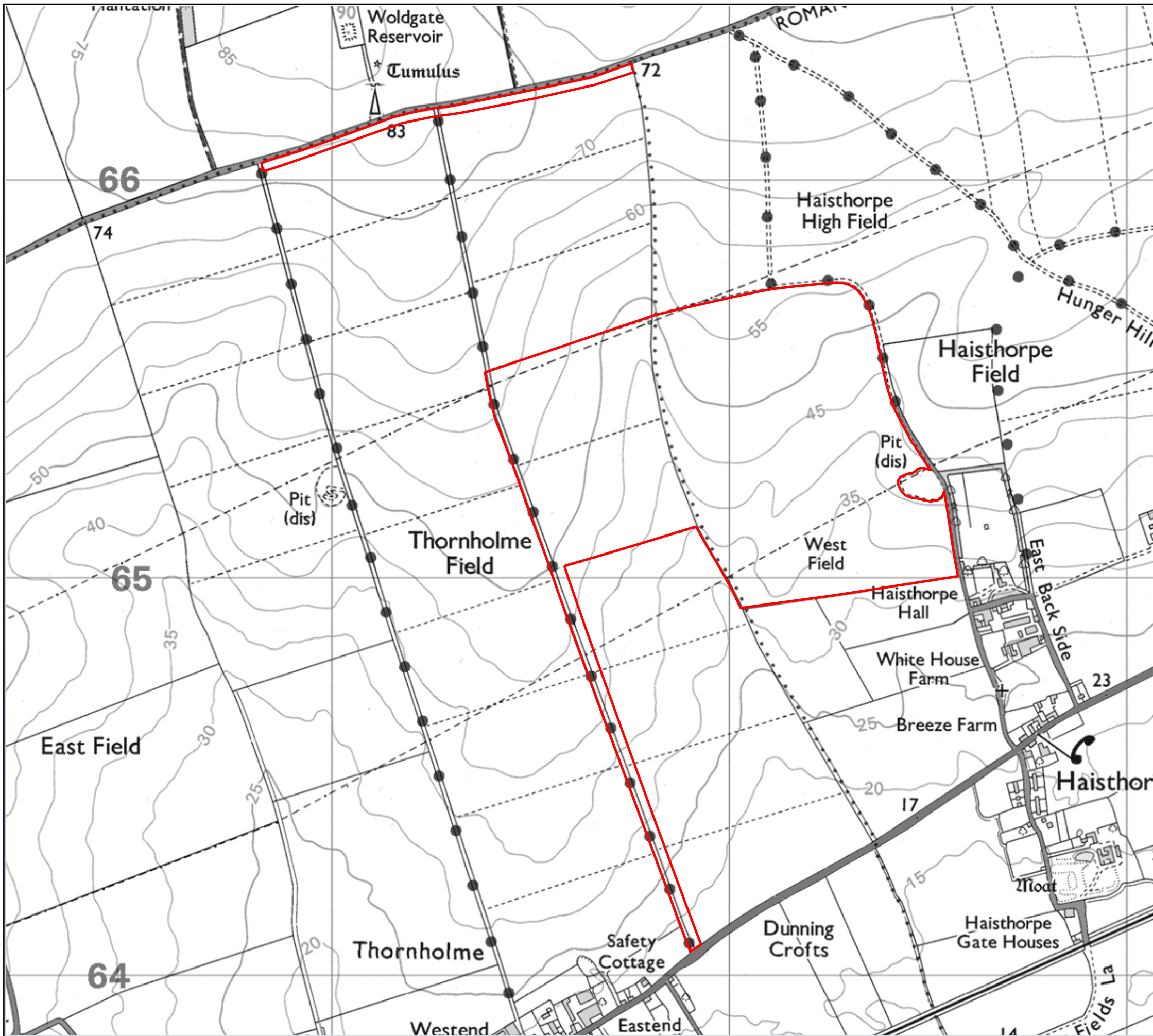
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THREE OAKS RENEWABLE ENERGY PARK - FIGURES


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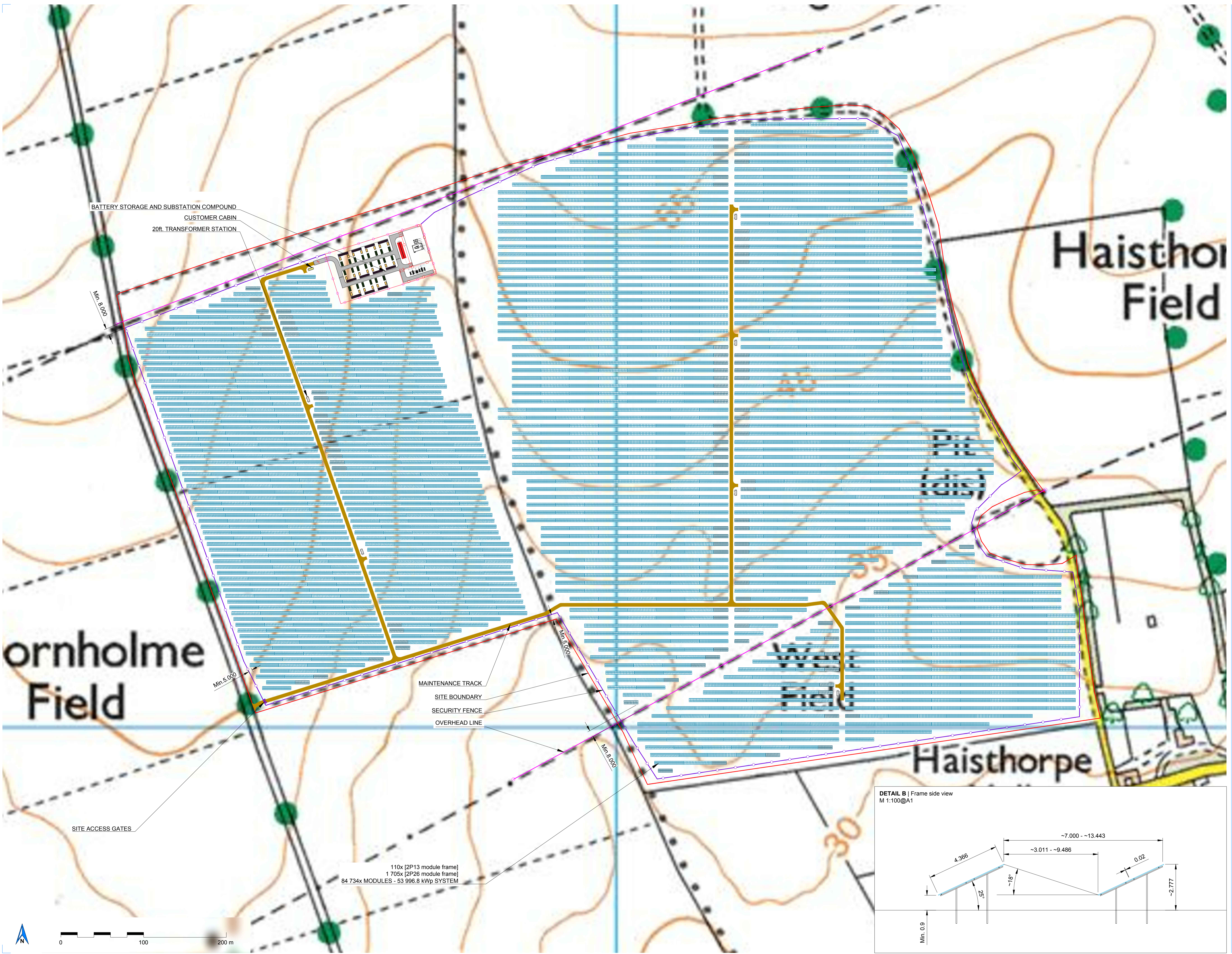
Legend

 Land Available For Development



Three Oaks Renewable Energy Park

Figure - 1 Site Location



BATTERY STORAGE AND SUBSTATION COMPOUND
 CUSTOMER CABIN
 20ft. TRANSFORMER STATION

Min. 8.000

Min. 5.000

Min. 5.000

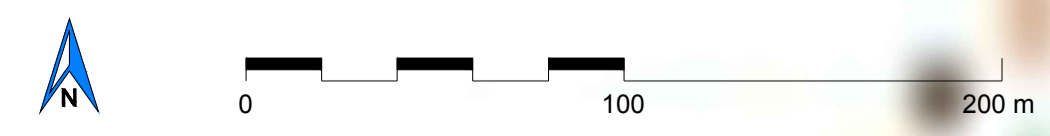
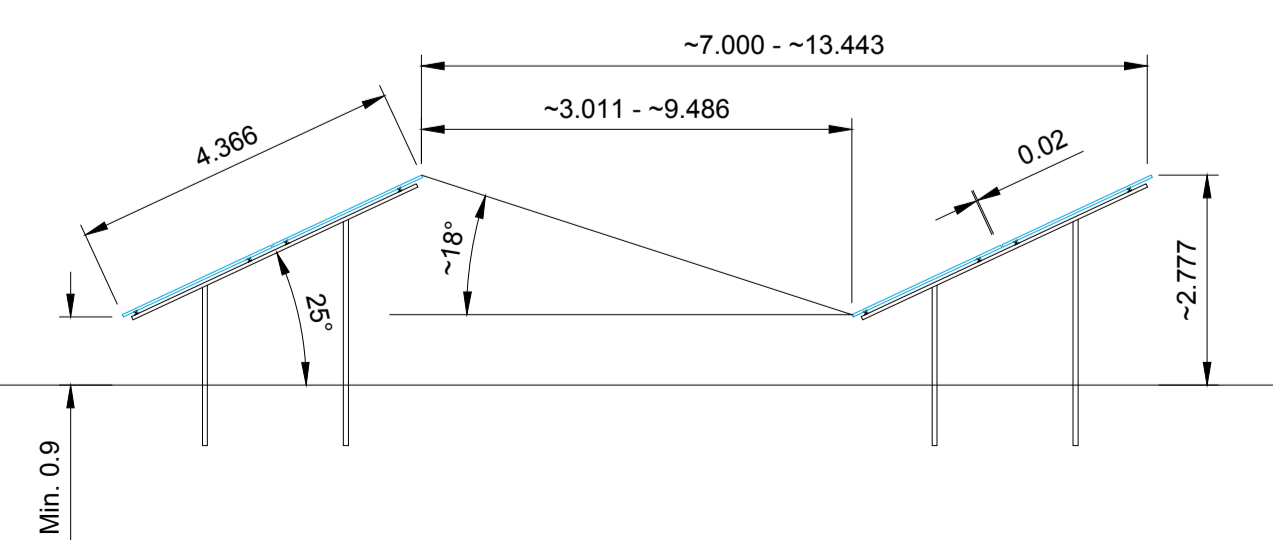
Min. 8.000

MAINTENANCE TRACK
 SITE BOUNDARY
 SECURITY FENCE
 OVERHEAD LINE

110x [2P13 module frame]
 1 705x [2P26 module frame]
 84 734x MODULES - 53 996.8 kWp SYSTEM

SITE ACCESS GATES

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 mm unless otherwise specified.
 - Drawing based on:
 OS 1 25 000 raster - Explorer 726696 941072;
 OS_MasterMap_Imagery_Layer_726062_942568;
 OS_Terrain_5_726696_941071;
 OS_VectorMap_Local_Raster_743641_962392;
 Three Oaks Boundary.kmz.
 GE Imagery date: 01/07/18.

- Legend:
- Site boundary
 - Perimeter fence
 - Overhead line
 - Maintenance track
 - Customer cabin
 - 20ft. transformer station

System description:

DC Power kWp:	53 996.8
AC Power kVA:	35 905 (Rated@215kVA)
No. of modules:	84 734
Module type:	Canadian Solar CS7L-590MB
Dimensions:	2173x1305x35
Substructure type:	2 modules in portrait
Tilt angle:	25°
Shading angle:	~18° / ~31.5°
Azimuth from South:	Due south
Pitch distance:	-7.000m - -13.443m
Row to row distance:	-3.011m - -9.486m
No. of inverters:	167
Inverter type:	Huawei SUN2000-215KTL-H0
Power ratio:	1.5 (Rated@215kVA)
No. of AC combiners:	-
No. of Transformers:	6
Fence area:	-61.91 ha
Fence length:	-3 325 m
Total area:	-65.84 ha



Revisions:

Rev	Date	Comments	Drawn
A	08/07/22	BESS compound added	RU

Project: Three Oaks Renewable Energy Park
 Location: West Back Side, Haisthorpe, Driffield, YO25 4NW, UK
 54°4'18.46"N 0°17'24.25"W
 Title: Figure 2 - Site Layout

Drawn: DETRA / AP Checked: JF
 Scale: 1:2000@A1 Date: 08/07/22
 Drawing No: ENGN1009-100 Rev: A

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