

- 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:

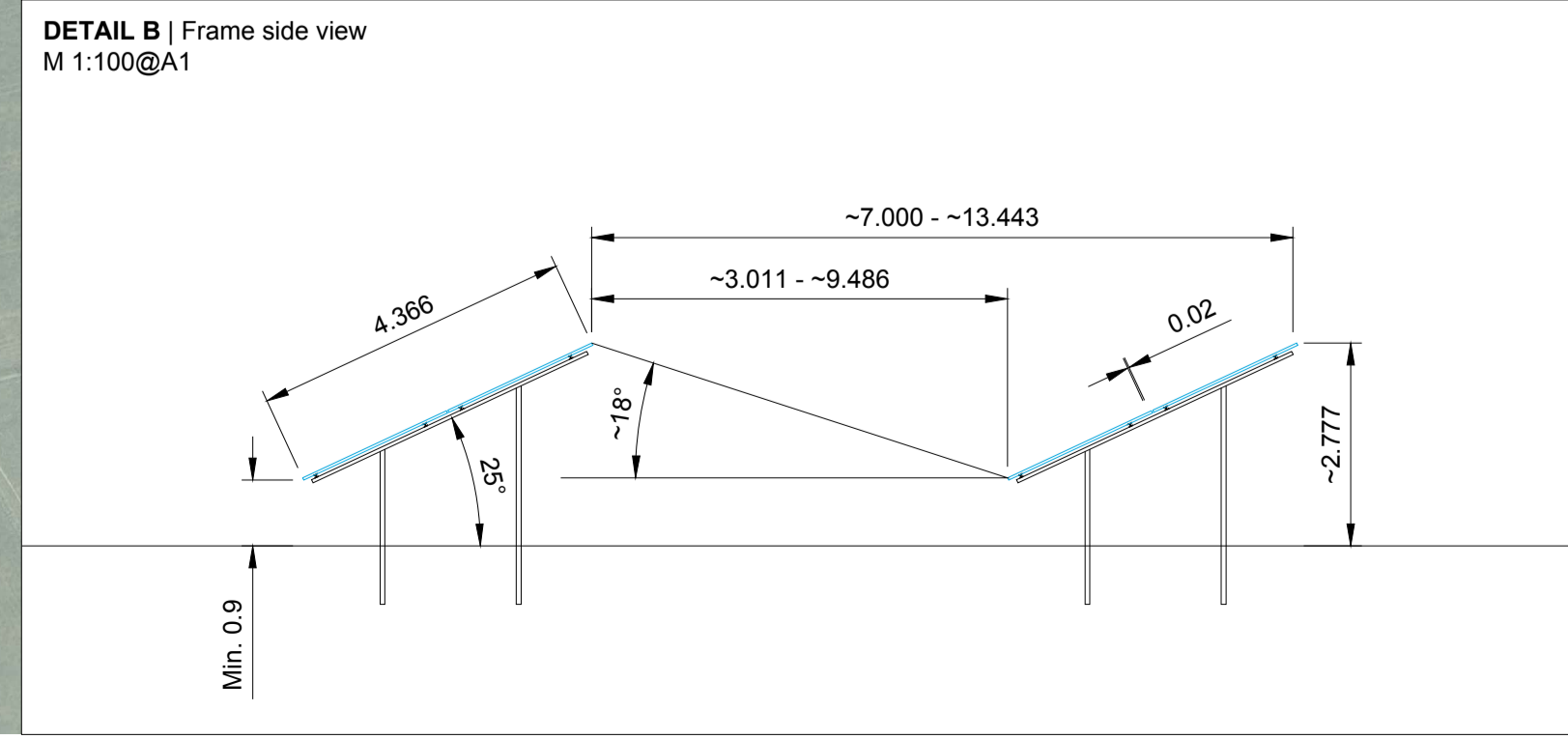
DC Power kWp:	53 996.8
AC Power kVA:	35 905 (Rated@215kVA)
No. of modules:	84 734
Module type:	Canadian Solar CS7L-590MB
Dimensions:	2173x1305x35
Substructure type:	2 modules in portrait
Tilt angle:	25°
Shading angle:	~18° / ~31.5°
Azimuth from South:	Due south
Pitch distance:	-7.000m - -13.443m
Row 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



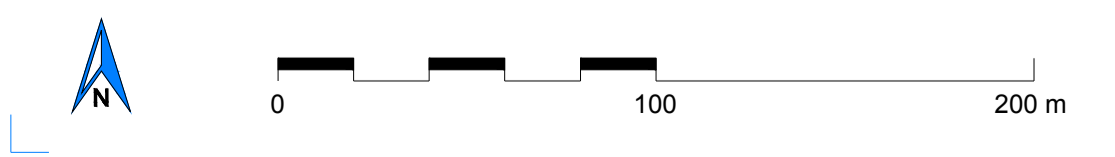
Revisions:

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

Project: Three Oaks Renewable Energy Park
 Location: West Back Side, Halsthorpe, Driffield, YO25 4NW, UK
 54°4'18.46"N 0°17'24.25"W
 Title: Figure 3 - Site Layout (Aerial imagery)
 Drawn: DETRA / AP Checked: JF
 Scale: 1:2000@A1 Date: 08/07/22
 Drawing No: ENGN1009-100 Rev: A



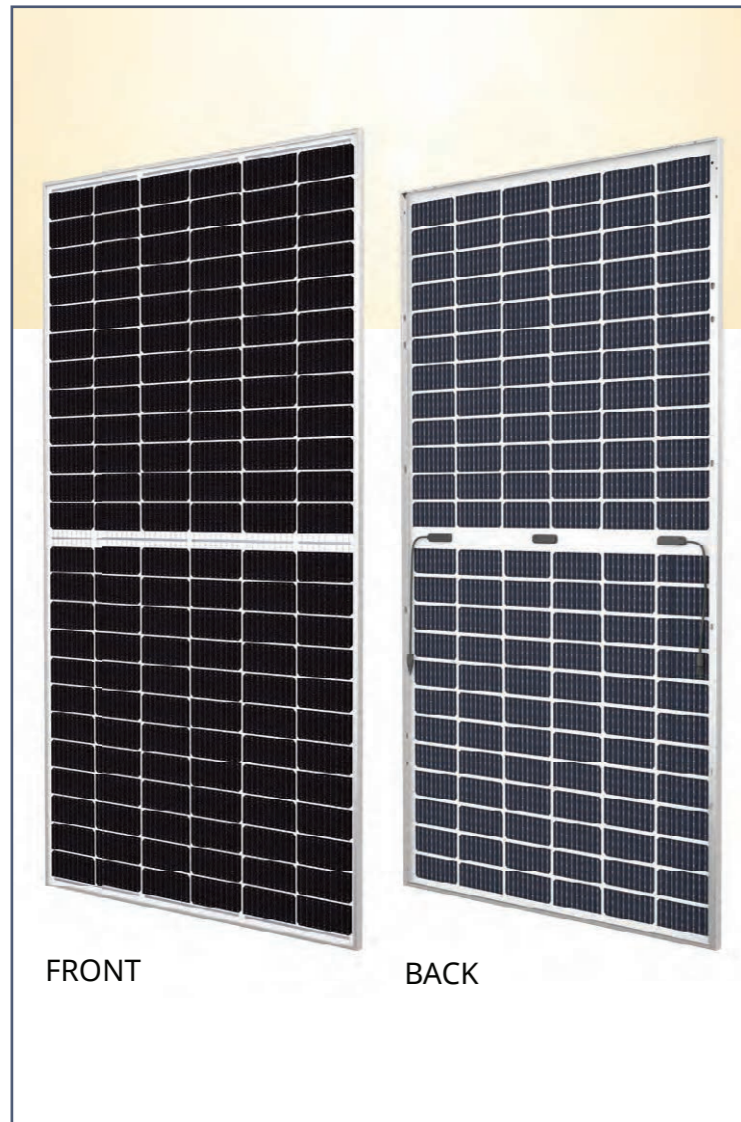
110x [2P13 module frame]
 1 705x [2P26 module frame]
 84 734x MODULES - 53 996.8 kWp SYSTEM



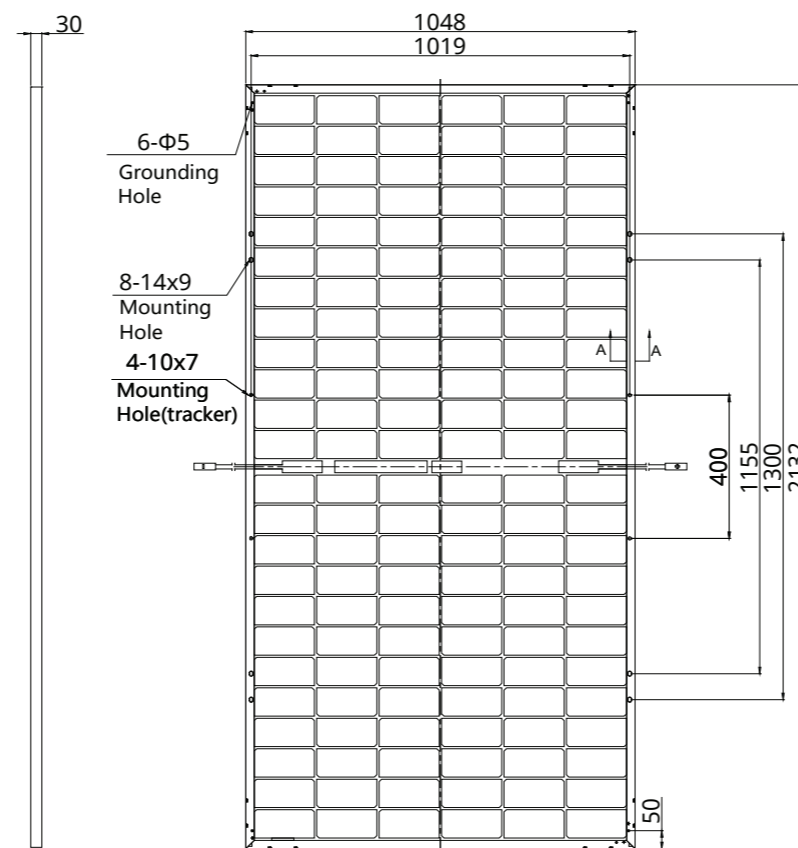
THREE OAKS RENEWABLE ENERGY PARK

Typical Solar Panel

Figure 4



Rear View



KEY

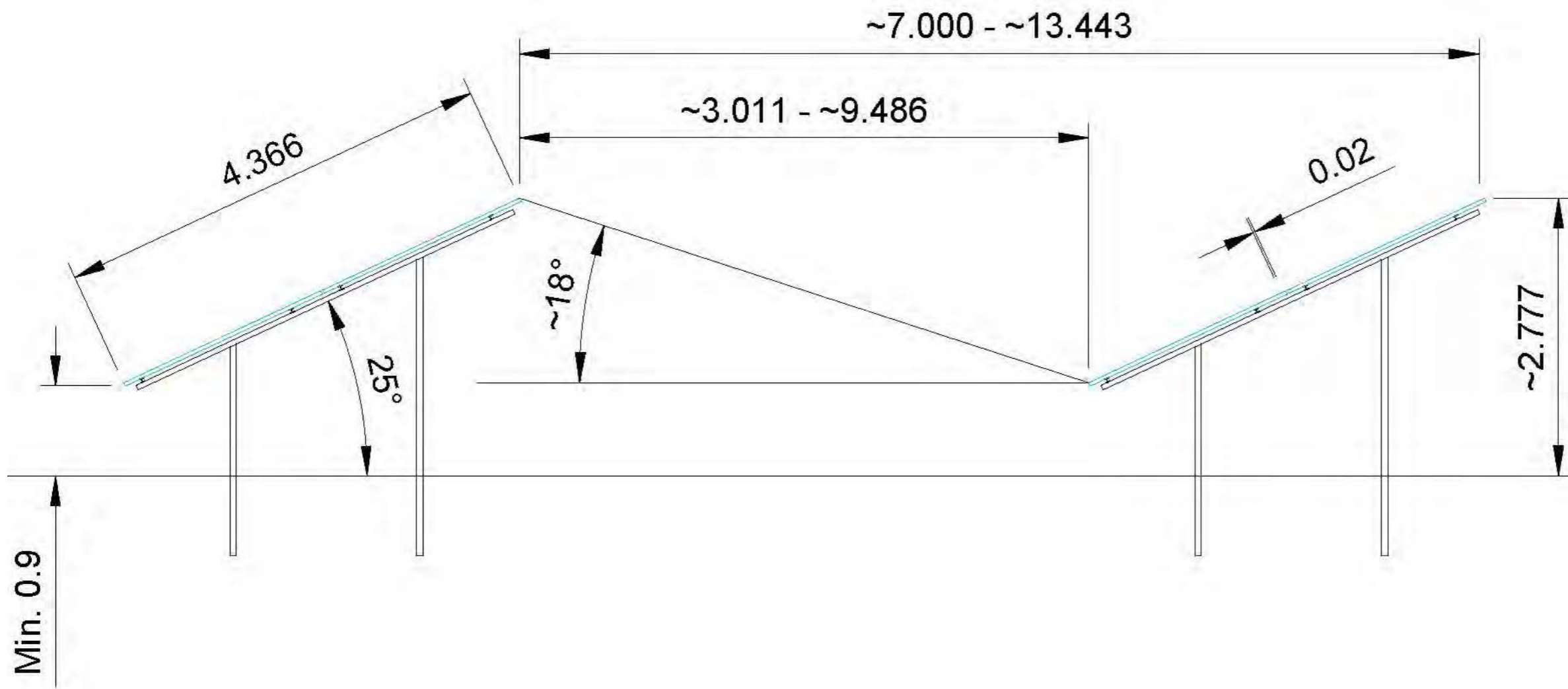
THREE OAKS RENEWABLE ENERGY PARK

Typical Solar Panel and Frame Elevation

Figure 5

NOTES

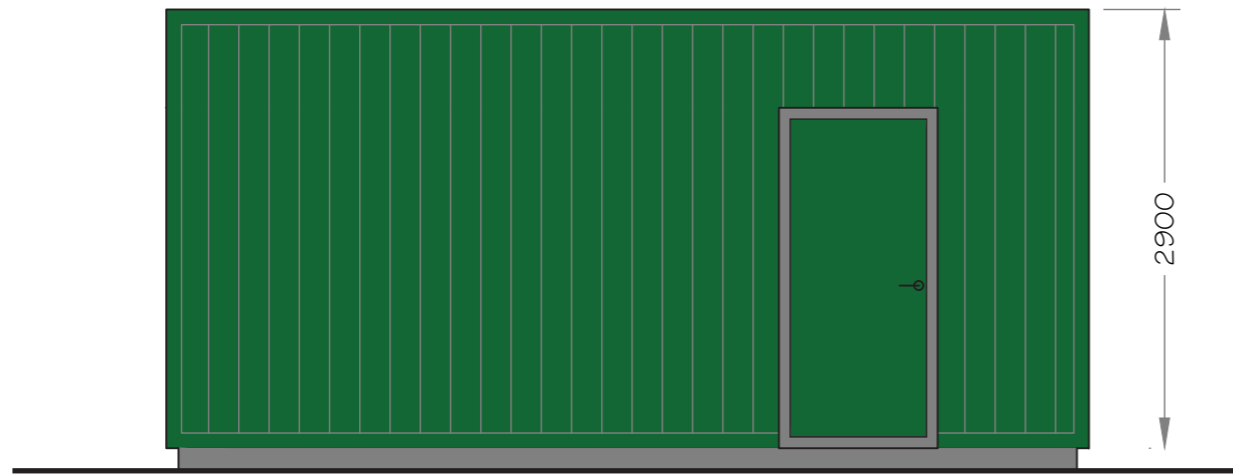
- 1 All measurements in millimetres, unless stated otherwise



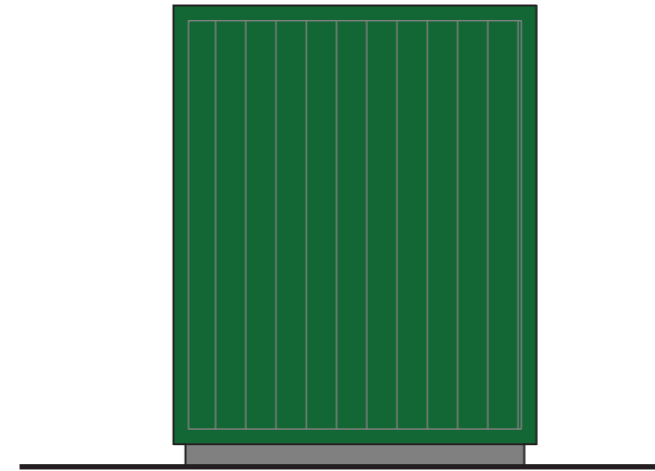
THREE OAKS RENEWABLE ENERGY PARK

Typical Transformer Container

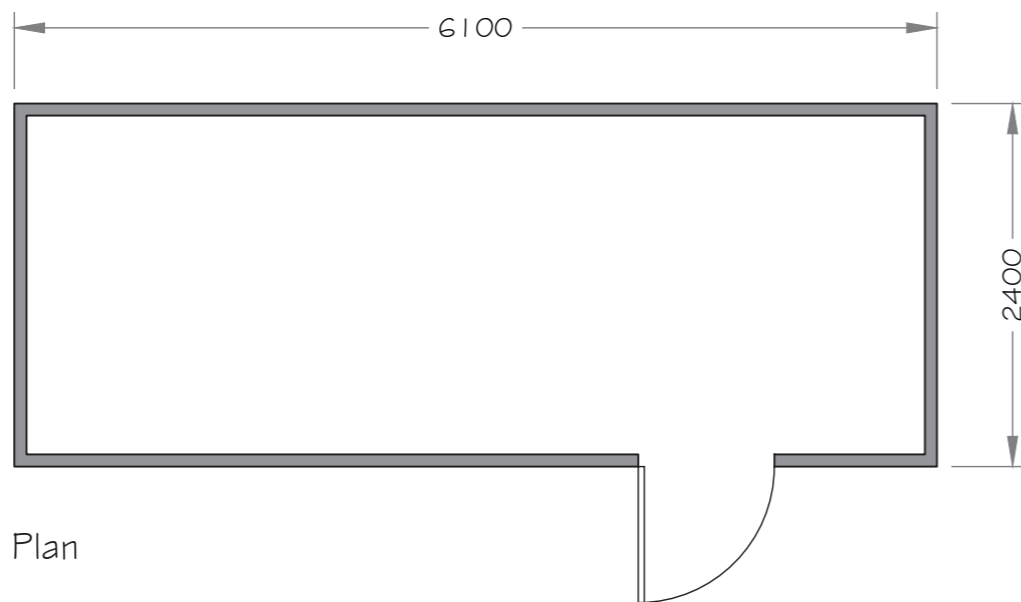
Figure 6



Side elevation



End elevation



Plan

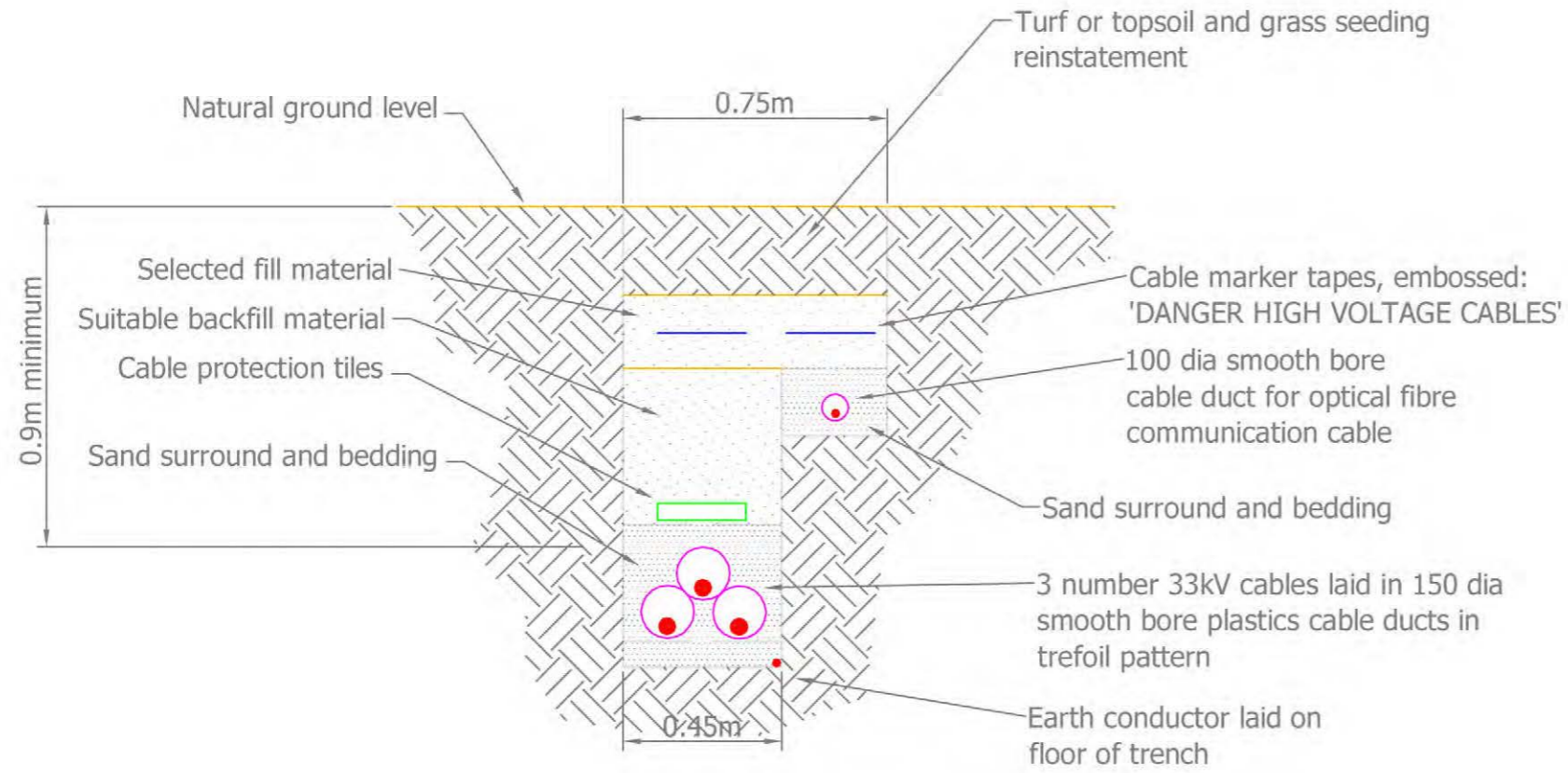
NOTES

- 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

THREE OAKS RENEWABLE ENERGY PARK

Typical Cable Trench Detail

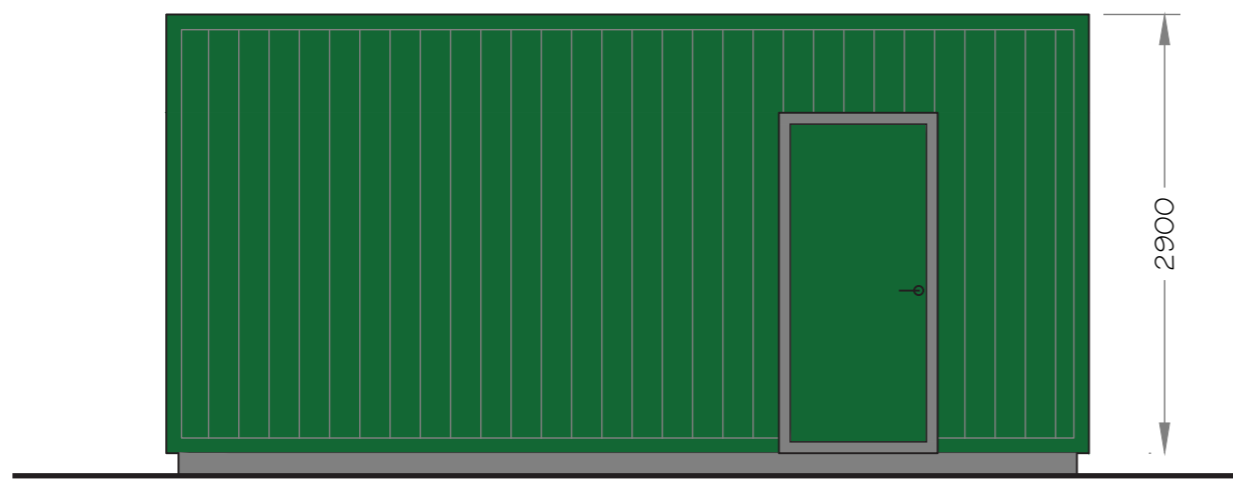
Figure 7



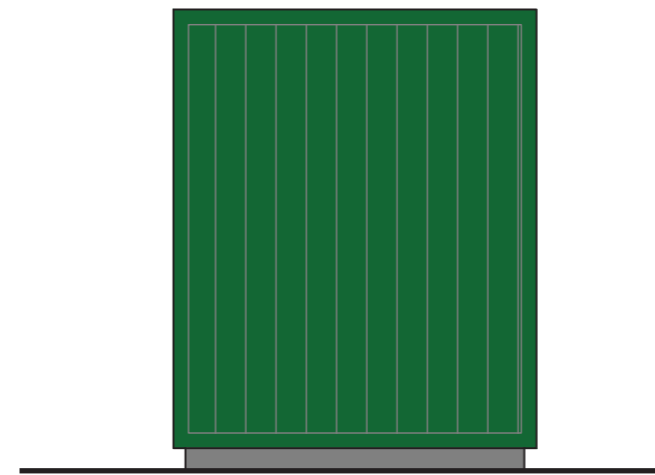
THREE OAKS RENEWABLE ENERGY PARK

Typical Customer Container Detail

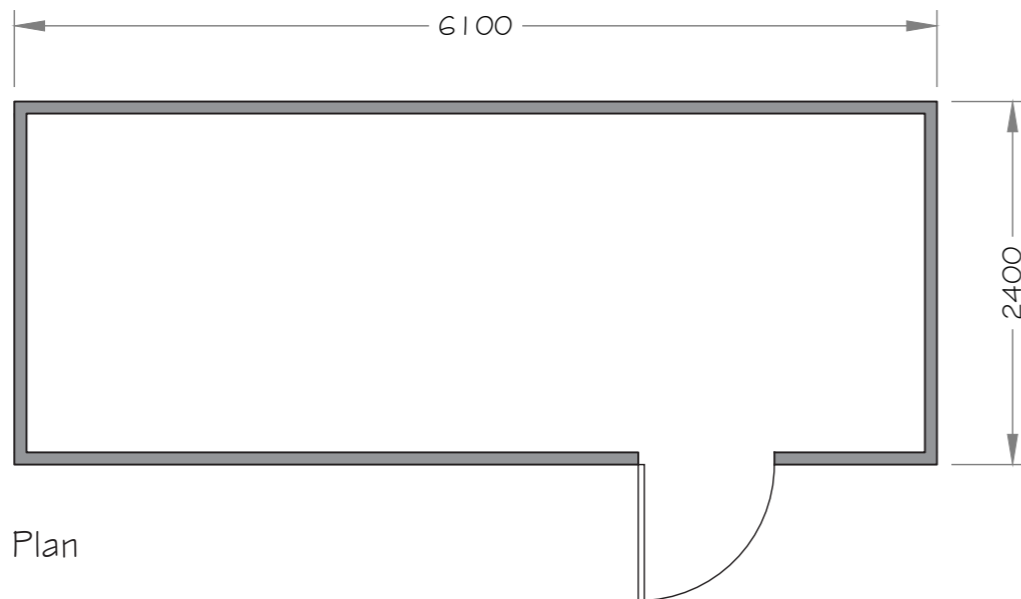
Figure 8



Side elevation



End elevation



Plan

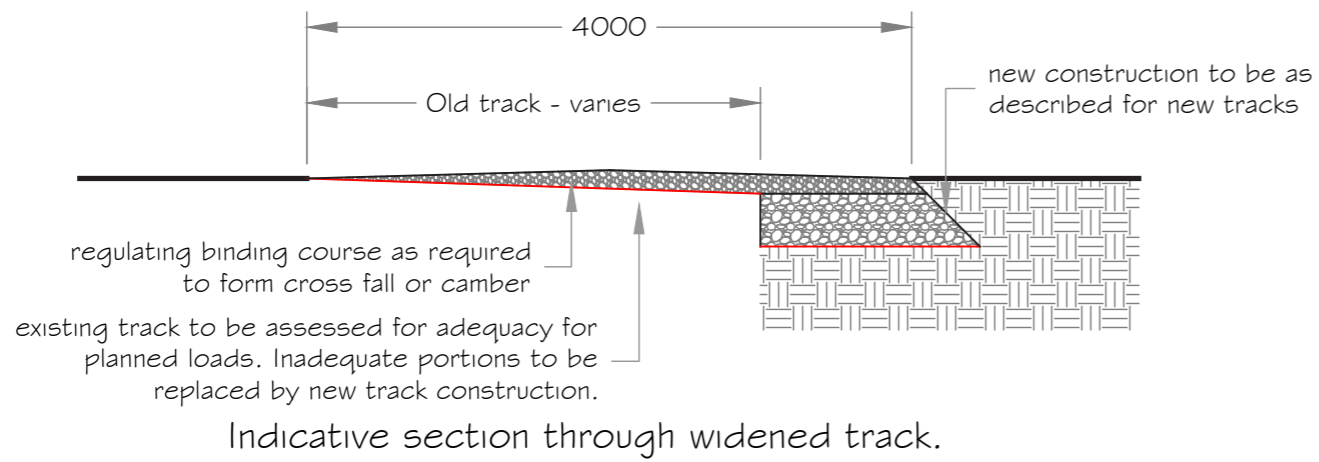
NOTES

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

THREE OAKS RENEWABLE ENERGY PARK

Typical Access Track

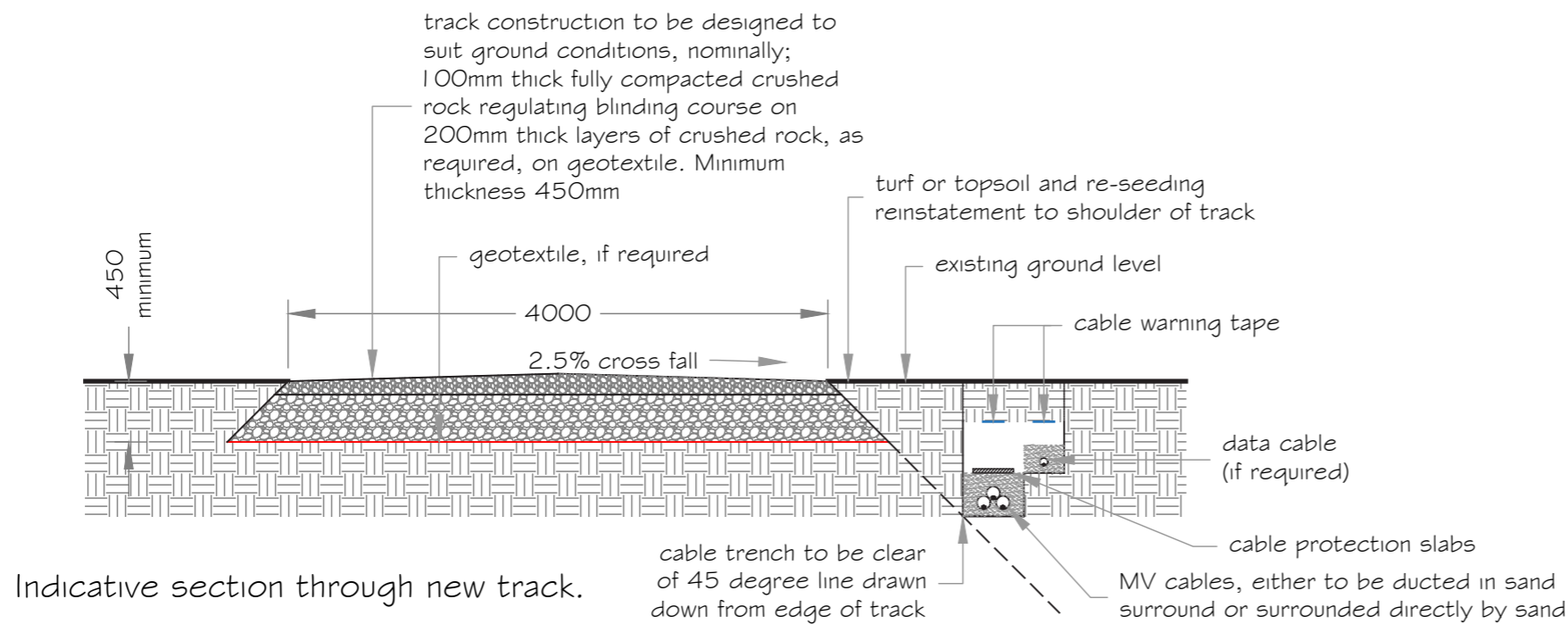
Figure 9



Inset - Typical Access Track Appearance

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



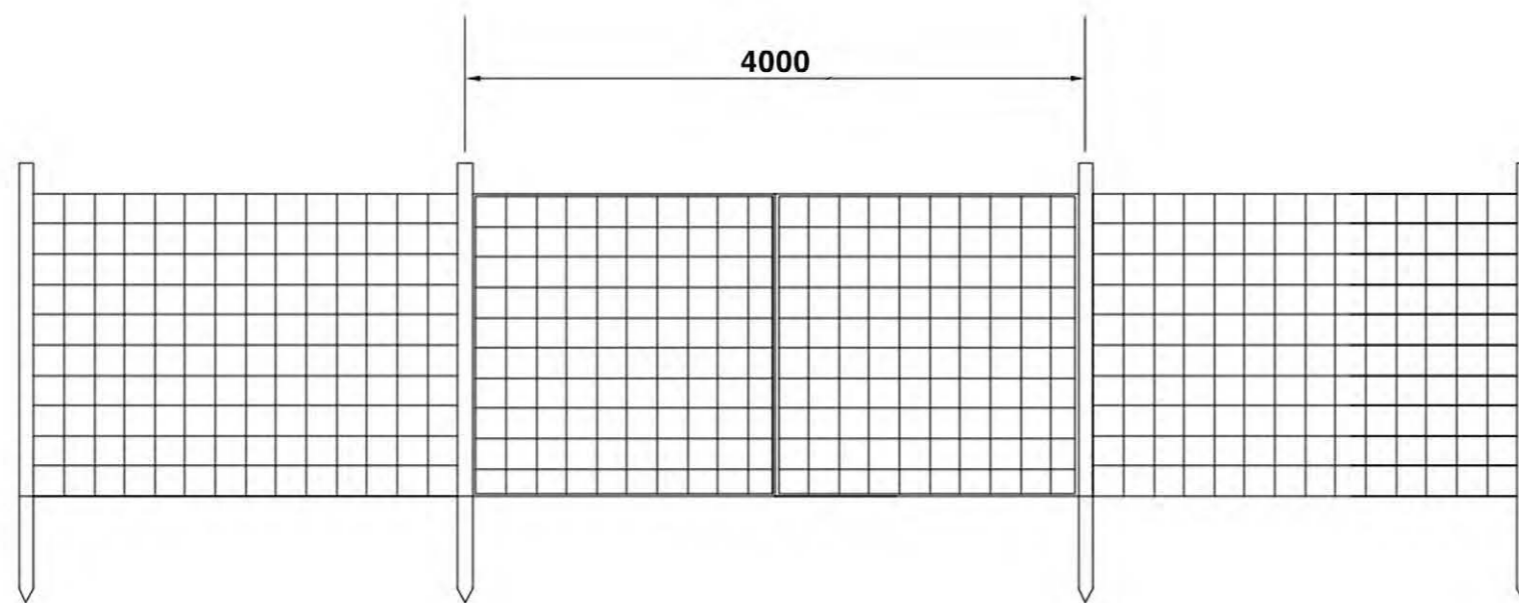
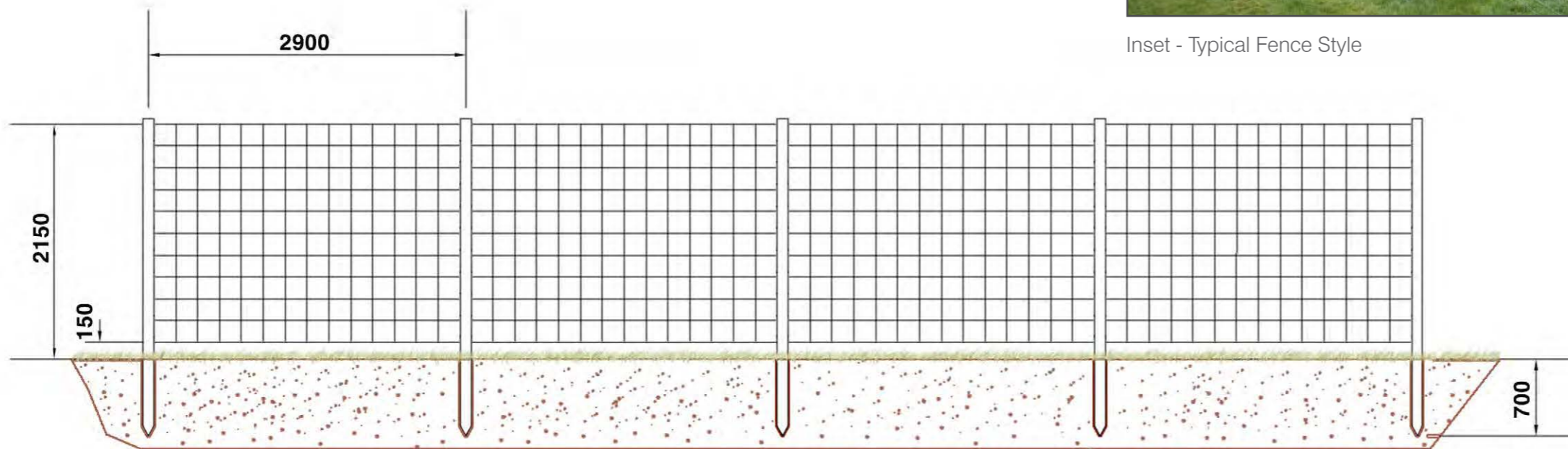


Inset - Typical Fence Style

THREE OAKS RENEWABLE ENERGY PARK

Typical Boundary Fence and Gate

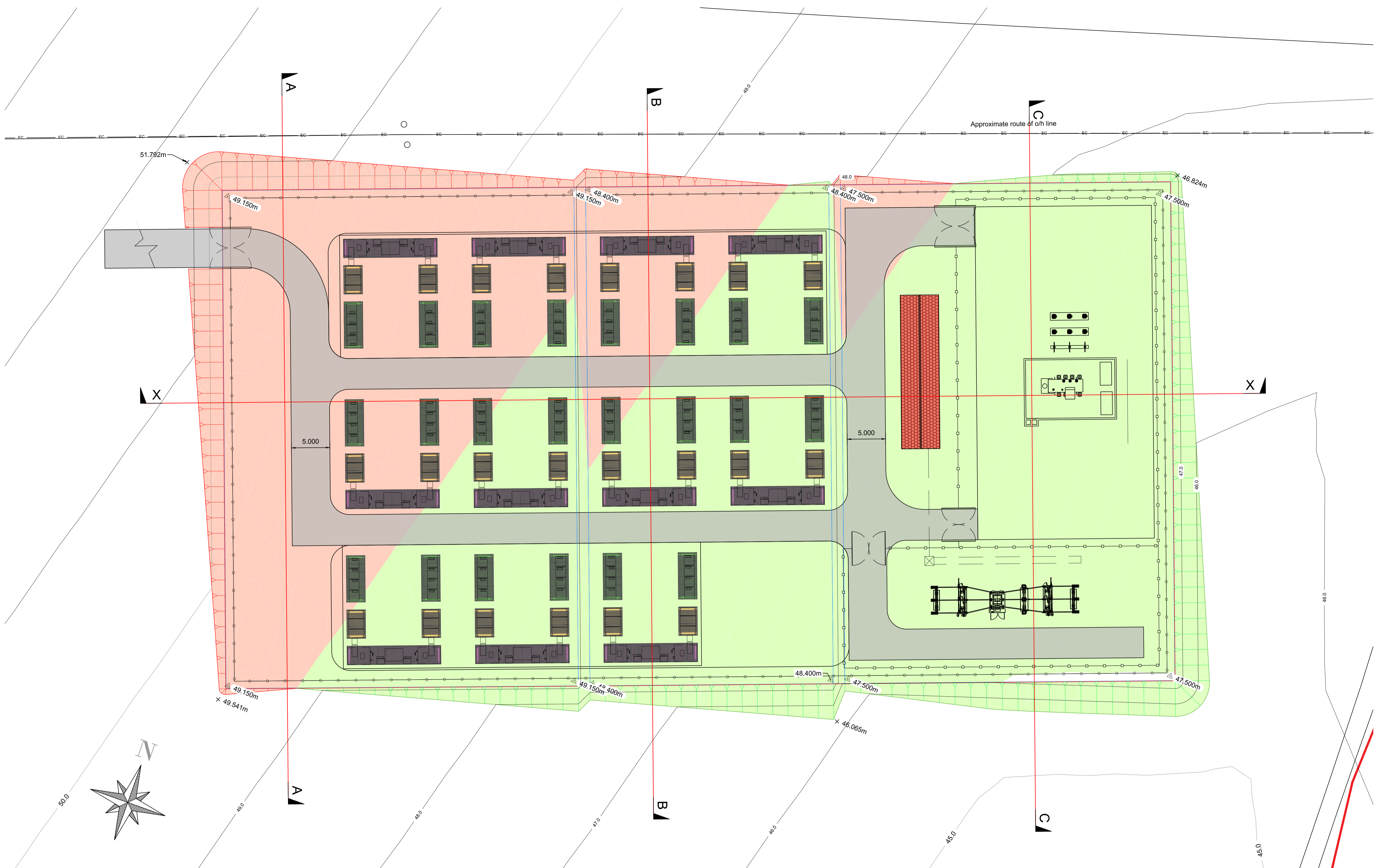
Figure 10



NOTES

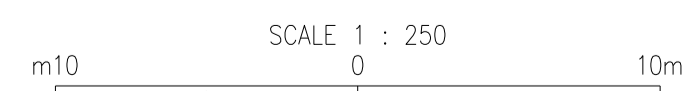
- 1 All measurements in millimetres, unless stated otherwise
- 2 2m High Tensile Deer Fencing
- 3 Fencing raised by 150mm to allow for passage of small animals.
- 4 Gates installed across access track at both ends.
- 5 Post depth according to ground conditions.


- NOTES:
- All dimensions are in metres (m).
 - Refer drg 202 for Elevations.



Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Cutfill	1.200	1.000	8912.588sq.m	2588.669 Cu. M.	5345.654 Cu. M.	2756.985 Cu. M.<Fill>
Totals			8912.588sq.m	2588.669 Cu. M.	5345.654 Cu. M.	2756.985 Cu. M.<Fill>

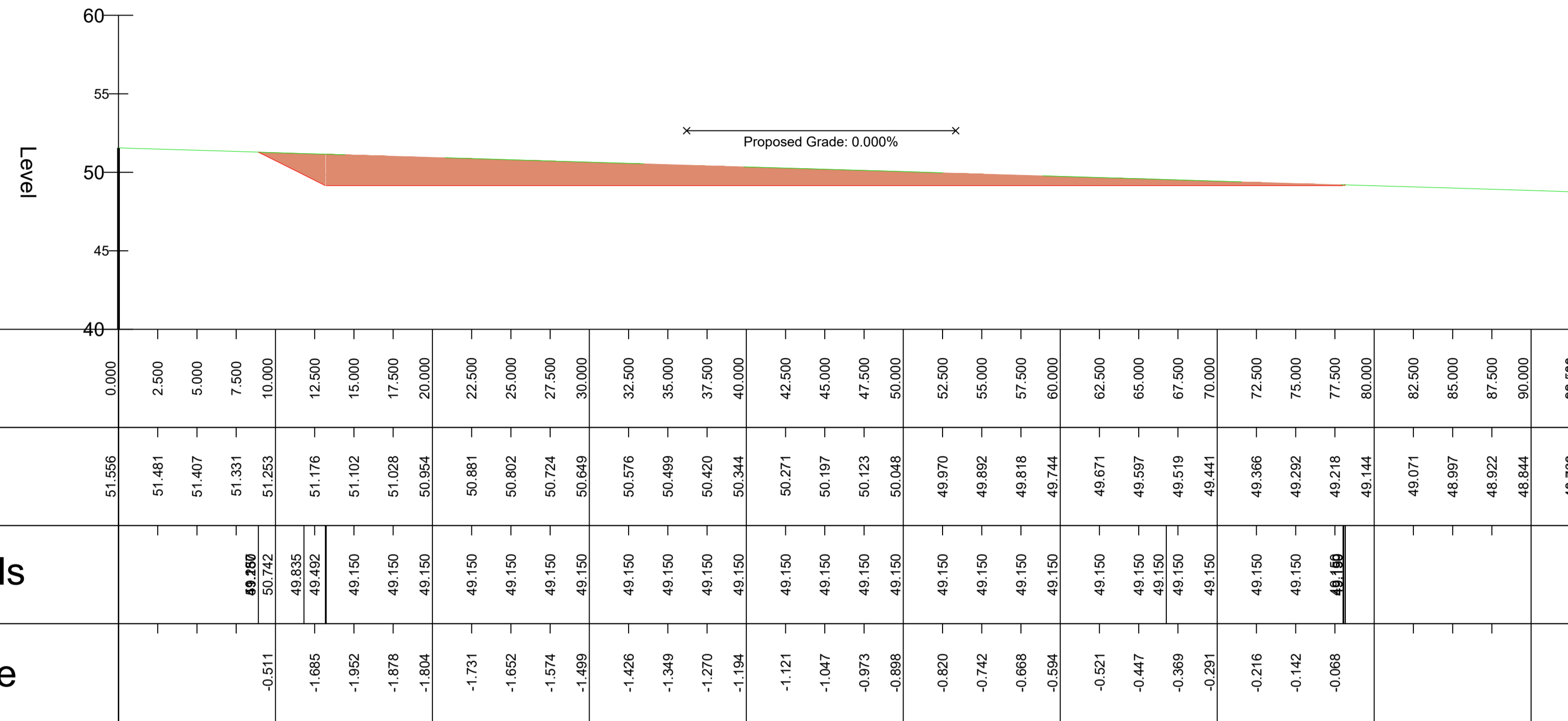


CLIENT		
 Ridge Clean Energy Ltd Noah's Ark Market Street Charbury Oxon OX7 3PL		
PROJECT		
THREE OAKS RENEWABLE ENERGY PARK		
TITLE		
Figure 11 - Proposed BESS Layout Plan with Proposed Earthworks		
PAPER SIZE	DRAWN BY	DATE
A1	M STUART	30/06/22
SCALE	CHECKED	DATE
1:250	R. BARKER	30/06/22
DRG NUMBER:		
SK201		

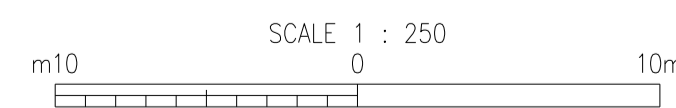
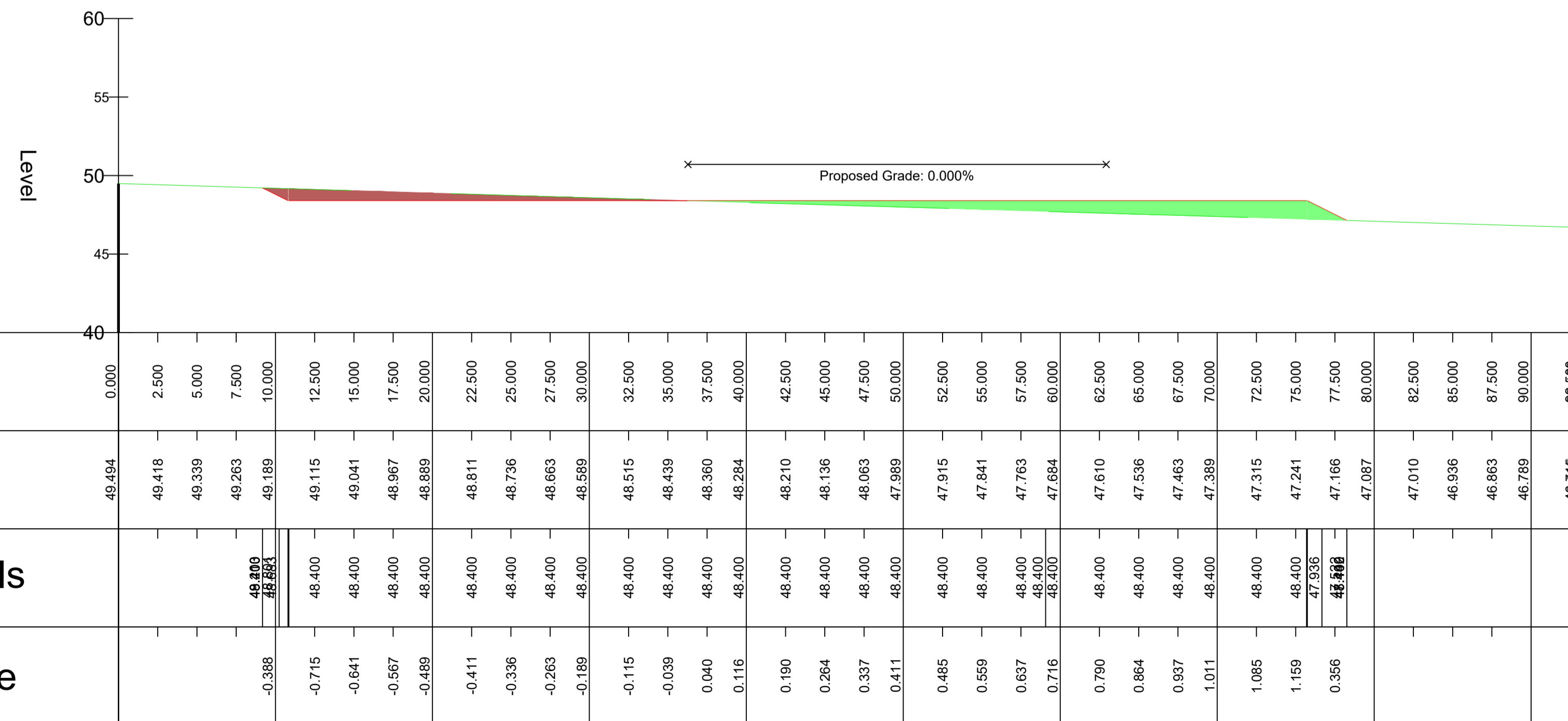
NOTES:

- All dimensions are in metres (m).

A-A - LONGSECTION
SCALE: H 1:250,V 1:250. DATUM: 40.000



BB - LONGSECTION
SCALE: H 1:250,V 1:250. DATUM: 40.000



CLIENT	Ridge Clean Energy Ltd Noah's Ark Market Street Charlbury Oxon OX7 3PL	
PROJECT	THREE OAKS RENEWABLE ENERGY PARK	
TITLE	Figure 12 - Proposed BESS Layout Plan Earthwork Sections Sheet 1	
PAPER SIZE	A1	DATE
SCALE	1:250	DATE
DRG NUMBER:	SK202	
DRAWN BY	M STUART	30/06/22
CHECKED	R. BARKER	30/06/22

