CLEVE HILL SOLAR PARK

ENVIRONMENTAL STATEMENT
VOLUME 4 - TECHNICAL APPENDIX A17.2
NATIONAL GRID CONSULTATION

November 2018
Revision A

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APFP Regulation: 5(2)(a)

www.clevehillsolar.com

CLEVE HILL
SOLAR PARK

National Grid House
Warwick Technology Park
Gallows Hill, Warwick
CV34 6DA

Land and Acquisitions
Anne Holdsworth
DCO Liaison Officer
Land and Acquisitions
Anne.Holdsworth@nationalgrid.com
Direct tel: +44 (0)7960 175682

www.nationalgrid.com

Mr Michael Bird
Arcus
1c Swingate Court East
3 Swinegate
York
Y01 8AJ

10 October 2018

Dear Mr Bird

Ref: EN010085 - Cleve Hill Solar Park

Thank you for contacting National Grid about the above site.

You confirmed in your correspondence dated 6th September 2018 that:

'Development Design
We have continued to observe the separation distances that were discussed with Nick Dexter earlier in the year but it would be helpful to have written confirmation that NGET is comfortable with our design approach. We are still in the process of making design changes and will send over the final plan as soon as it is available. The parameters used to date include:

- *Minimum 5 m horizontal offset from outermost cables to nearest above ground infrastructure (i.e., solar panels).*
- *Fencelines and tracks could cross beneath or run parallel to the OHL but will observe the required 5.3 m safety clearance zone as per the information provided by Nick.*
- *OHL Tower clearances to be observed as per drawings received (15 m minimum applied).'*

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Gallows Hill, Warwick
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We have reviewed the documentation that you have sent over, including NGET Section Clearances, and are satisfied that NGET is comfortable with your design approach at this stage.

We have also provided you with the document 'Third Party Guidance for working near National Grid Electricity Transmission equipment' and draw your attention to the reference to solar farms.

As I have already confirmed**,** NGET will still require protective provisions.

Yours sincerely

[redacted]

Anne Holdsworth

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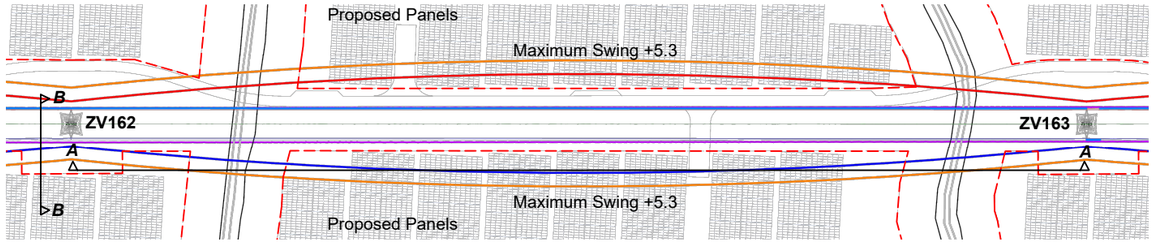
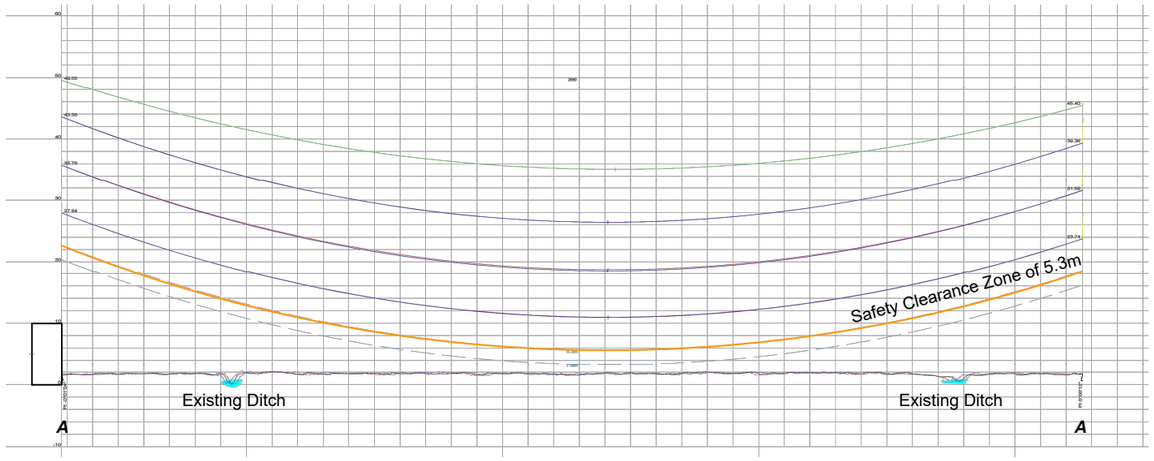
National Grid Electricity Transmission plc
Registered Office: 1-3 Strand, London WC2N 5EH
Registered in England and Wales, No 2366977

National Grid is a trading name for:
National Grid Gas plc
Registered Office: 1-3 Strand, London WC2N 5EH
Registered in England and Wales, No 2006000

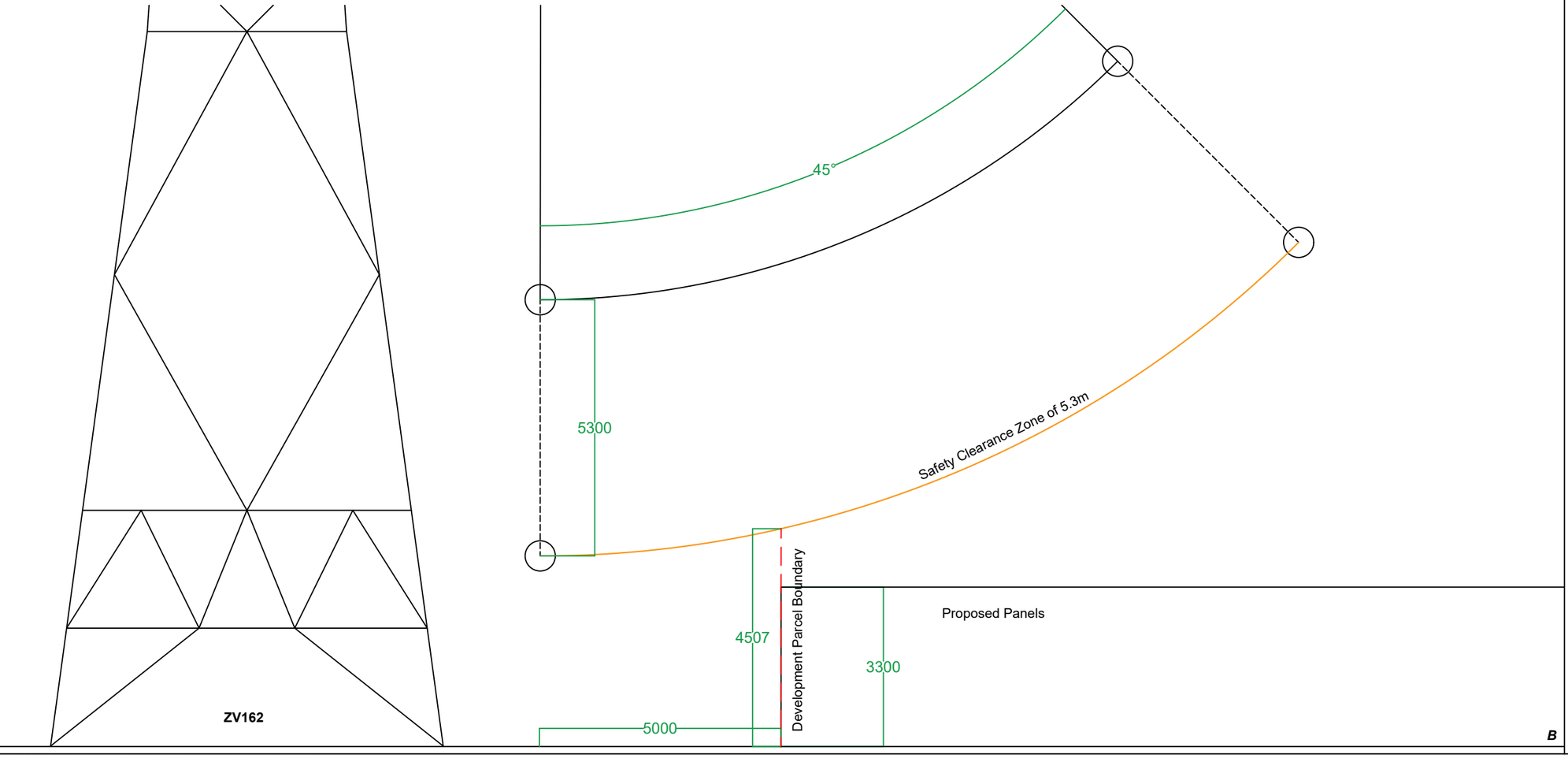
301/01: LOCATION PLAN
(NTS)



301/02: SWING CLEARANCE ELEVATION *AA*
Refer to National Grid drawing 28_NG_0382
(NTS)



301/03: WORST CASE SWING CLEARANCE ELEVATION *BB*
(1:100)



KEY

- Development Parcel Boundary
- Maximum Swing + 5.3m

NOTES:

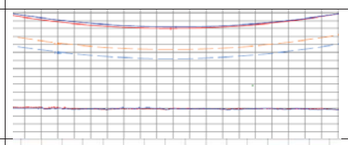
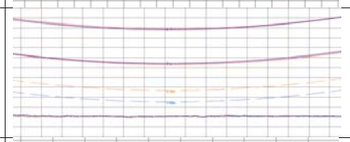
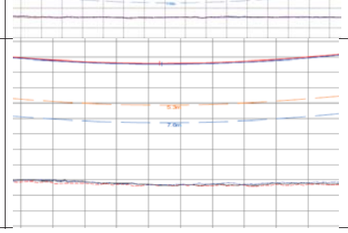
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION.
2. ALL DIMENSIONS , CHANGES, LEVELS AND COORDINATES ARE IN METERS UNLESS DEFINED OTHERWISE.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE PROJECT HEALTH & SAFETY FILE FOR ANY IDENTIFIED POTENTIAL RISKS.
4. WRITTEN AND SCALED DIMENSIONS TO BE CHECKED ON SITE, AND ANY DISCREPANCIES SHOULD BE REPORTED TO ARCUS PRIOR TO WORK COMMENCING ON SITE.

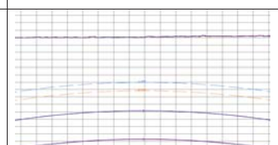
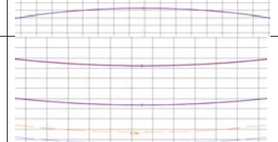
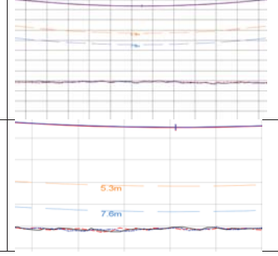
STATUS: **DRAFT**

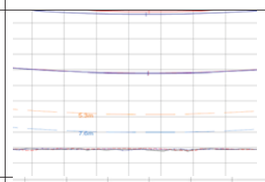
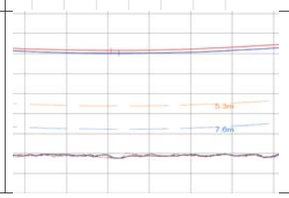
BASE: NGT Drawing ZV122-208_13614_143134_A
GRID REFERENCE: TR 03502 63927

PROJECT: Cleve Hill Solar Park
TITLE: Safety Clearance Elevations
CLIENT: Cleve Hill Solar Park Ltd
DATE: 19.09.18 SCALE: Various
DRAWN: YB DRAWING NO.: 2238-DR-LAN-301
CHECKED: MB REVISION: -

ARCUS
Arcus Consultancy Services
Landscape Architecture & Arboriculture
1C Swinegate Court East
3 Swinegate
York, YO1 8AJ
tel: +44 (0)1904 715 470
www.arcusconsulting.co.uk

Profile	Max Panel Height N (PEIR) (m)	Max Panel Height S (PEIR) (m)	Min vertical distance to 5.3 m* clearance (m)	Screenshot of Profile Section
Profile 36 (ZV157-158)	3.5	N/A	>14	
Profile 37 (ZV158-159)	3.6	3.3	>5	
Profile 38 (ZV 159-160)	3.9	3.3	>9	

Profile	Max Panel Height N (PEIR) (m)	Max Panel Height S (PEIR) (m)	Min vertical distance to 5.3 m* clearance (m)	Screenshot of Profile Section
Profile 39 (ZV 160-161)	3.9	3.4	>14	
Profile 40 (ZV161-162)	3.9	3.4	>9	
Profile 41 (ZV162-163)	3.8	3.3	>3.5	

Profile	Max Panel Height N (PEIR) (m)	Max Panel Height S (PEIR) (m)	Min vertical distance to 5.3 m* clearance (m)	Screenshot of Profile Section
Profile 42 (ZV163-164)	3.3	3.4	>4	
Profile 43 (ZV164-165)	3.5	3.4	>4	

* This means that there should be at least **5.3 m** (from where a person could stand) from any part of a solar panel or support structure or any other structure (mobile/construction equipment etc.) to the conductors.

Tower Ref	Foundation Type	A (perpendicular distance from tower centre)	B (Tower Width at Ground Level) (Diagonal for Piled)	Non-Piled Perpendicular Clearance from Tower Base, parallel to OHL route (A - B/2)	Piled Perpendicular Clearance from Tower Base, parallel to OHL route (A-B)	Distance from tower base to Development Parcels SOUTH - rounded to the nearest metre + 1 m clearance	Distance from tower base to Development Parcels NORTH incl Spine Road - rounded to the nearest metre, incl. 5 m track width + 1 m clearance / cable corridor
ZV157	Piled	23.05	13.01	N/A	**10.04**	12	17
ZV158	Piled	22.46	11.82	N/A	**10.64**	12	17
ZV159	Non-Piled	10.85	11.82	**4.94**	N/A	6	11
ZV160	Piled	21.16	9.23	N/A	**11.93**	13	18
ZV161	Piled	21.16	9.23	N/A	**11.93**	13	18
ZV162	Piled	20.83	8.57	N/A	**12.26**	14	19
ZV163	Piled	20.5	7.91	N/A	**12.59**	14	19
ZV164	Piled	19.84	6.59	N/A	**13.25**	**15**	**20**
ZV165	Non-Piled	14.57	15.6	**6.77**	N/A	8	13
ZV166	Non-Piled	14.57	15.6	**6.77**	N/A	8	13
ZV167	Non-Piled	12.1	14.33	**4.935**	N/A	6	11