

# About Public Power Solutions

- PPS is a renewable energy development company, working UK-wide, wholly-owned by Swindon Borough Council. We bring with us the ethos of the public sector coupled with the focus and commerciality of the private sector.
- PPS is working in partnership with Hive Energy and Ethical Power to develop, build and operate the Kirkgate Lane solar park. This ensures a positive ongoing relationship with the local community for the life of the project.
- We believe in harnessing the significant economic and environmental benefits of clean energy for local communities.
- Our schemes bring genuine community benefits, including community funding “pots” for the lifetime of the development.
- We’re not new to the market; we’ve been doing this for several years and have a very strong track record of delivering successful solar projects as demonstrated by our awards below.

***“It is companies like Swindon’s Public Power Solutions that are helping transform Britain’s green economy, with their innovative approach to developing and financing renewable energy infrastructure and track record of procuring and delivering projects that bridge the gap between the public and private sector.”***

**The Rt Hon Claire Perry  
Former Minister of State  
for Energy and Clean Growth**



*Winner of the Association for Public Sector Excellence Award, 'Best Renewable Energy or Energy Efficiency Initiative' for Chapel Farm Solar Park, September 2017.*

*Winner of Regen South West Green Energy Award, 'Most Proactive Public Sector Organisation' November 2016.*



# Benefits of Solar Development

## Clean Renewable Energy

- Tackles the climate emergency by contributing to the UK government's target of Net Zero carbon emissions by 2050.
- Solar is one of the cheapest new energy generating technology helping to keep costs lower for consumers and contributing to the UK's energy security.
- Reduces reliance on energy generation from burning fossil fuels which has a detrimental impact on our air and water quality.

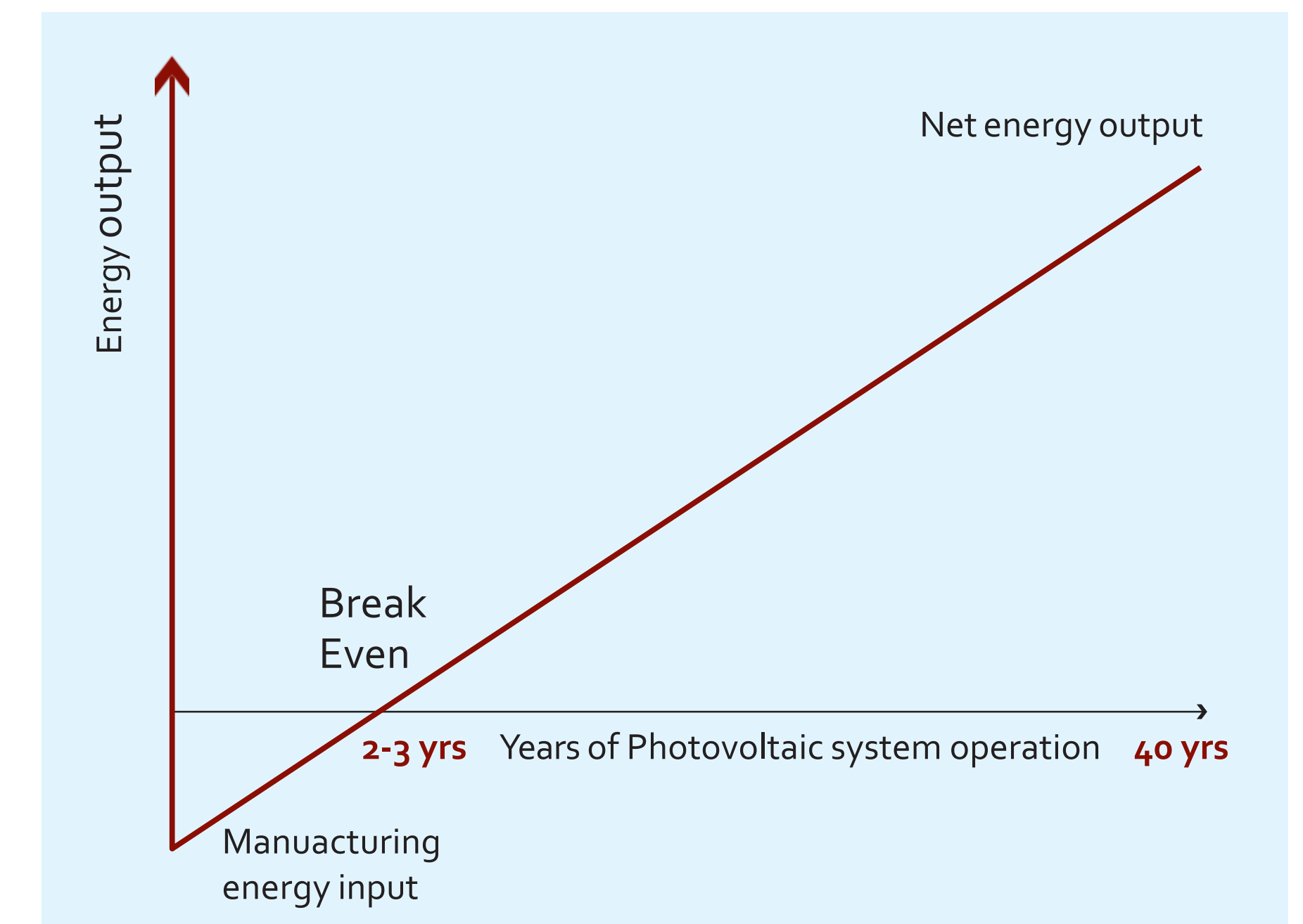


## Biodiversity and Soil Regeneration

- Tackles the ecological emergency by significantly increasing the biodiversity on site.
- Planting of native wildflower and grasses to provide food and habitat for a wide range of wildlife.
- Provision of bat and bird boxes in suitable locations.
- Continued agricultural use by sheep grazing to maintain the grass, allowing the soil to recover from intensive crop farming practices.

## Environmental payback

- Studies show that on average a solar farm pays back its energy and carbon footprint within 2-3 years.



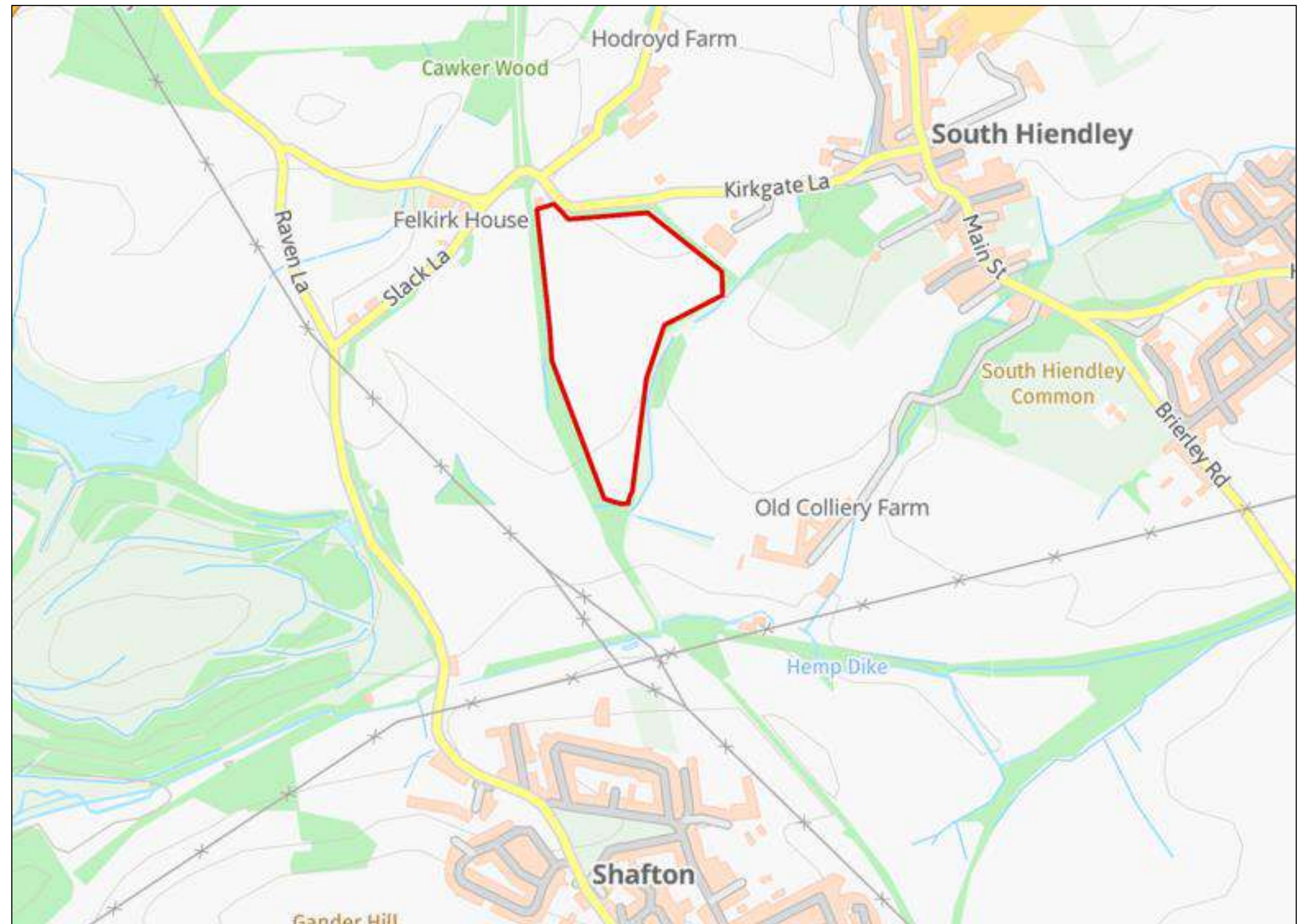
SOURCE: 'THE RENEWABLE ENERGY HUB UK'

# Why Kirkgate Lane?

- Access to a viable grid connection close to the site.
- The site benefits from natural screening and is visually contained.
- Topography of the site reduces any possible visual impacts and is suitable for Solar PV development.
- The Preliminary Ecological Survey and initial Landscape Visual Assessment have shown the site is suitable for Solar PV development.

## Proposed Scheme

- 6 MW ground mounted solar scheme
- Approximately 1,380 tonnes of CO<sub>2</sub> saving per annum and equivalent of 2,250 houses powered.
- A 24.3 acre site accessed from Kirkgate Lane.
- Biodiversity net gain to leave the natural environment in a measurably better state than beforehand including new tree and hedgerow provision, planting of native wildflower and grasses and additional habitat creation.
- The site perimeter will be enclosed with deer fencing with site security provided by internal infrared CCTV cameras. No site lighting is proposed.
- Temporary development for 40 years, after which the project will be decommissioned and the land fully restored.



# Community benefits Kirkgate Lane

- Benefit fund of £1,500 per annum, index-linked, which equates to £60,000 over the lifetime of the project (40 years).
- The fund could be used for social and environmental projects such as providing new children's play equipment, funding local sports clubs and enhancing community facilities.
- Wakefield District Council would receive business rates of approximately £22,500 per annum.



## Previous beneficiaries of similar schemes developed by PPS

**£9,000**

TWIGS community gardens to run sessions for people living with dementia

**£14,000**

Wootton Bassett Rugby Club towards building a new gym

**£12,000**

Wiltshire Wildlife Trust for conservation work at Hagbourne Copse

**£26,000**

Chiseldon Primary School to build an eco playground



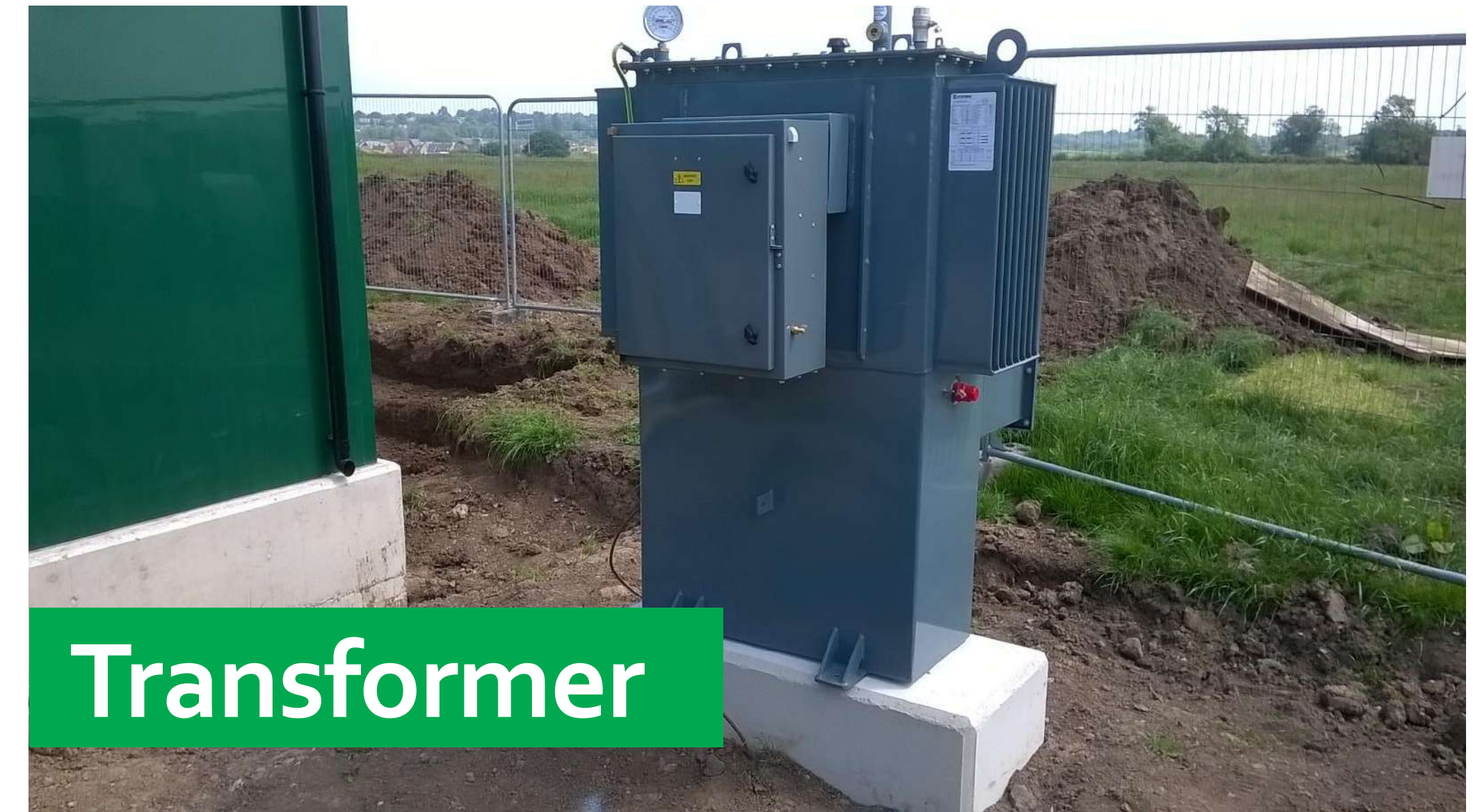
Solar Panels



Fencing



Switch Gear Cabins



Transformer

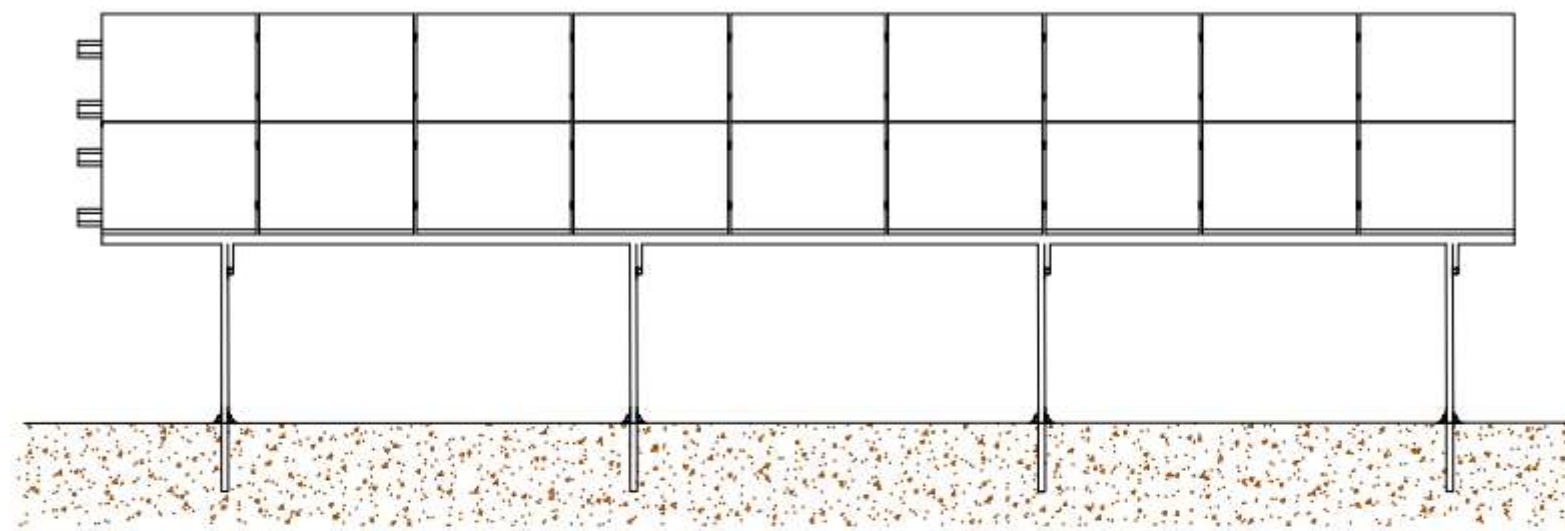


Inverters

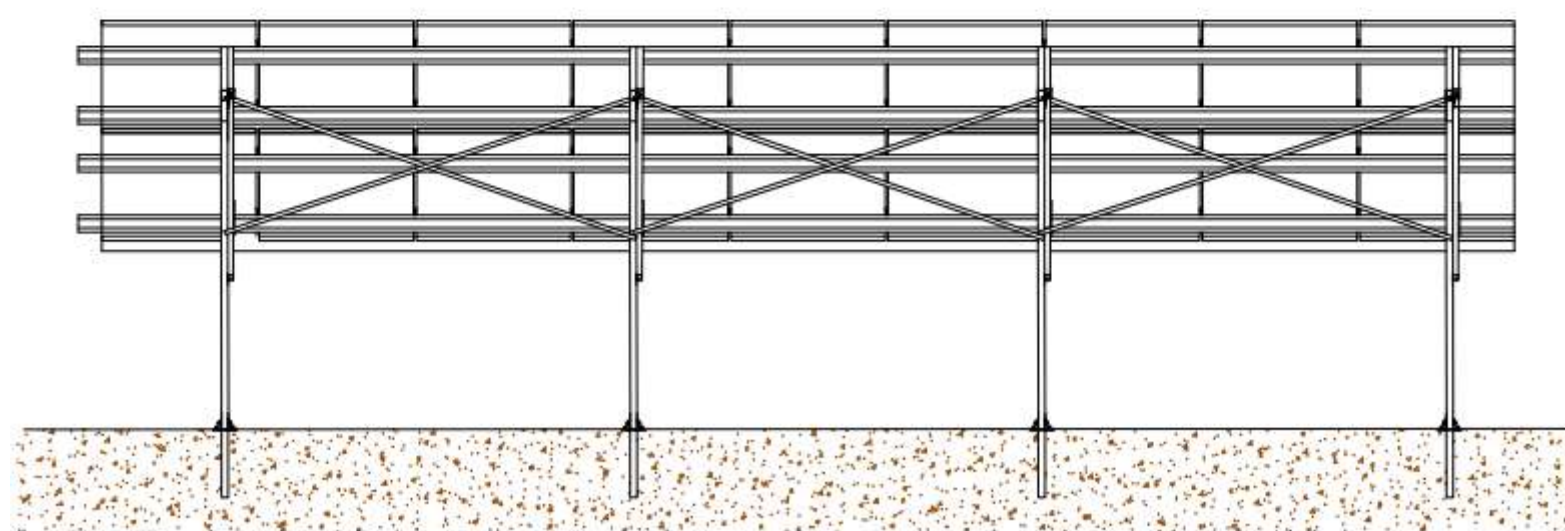


# Technical Drawings

Typical Solar Panel Framing  
Front View

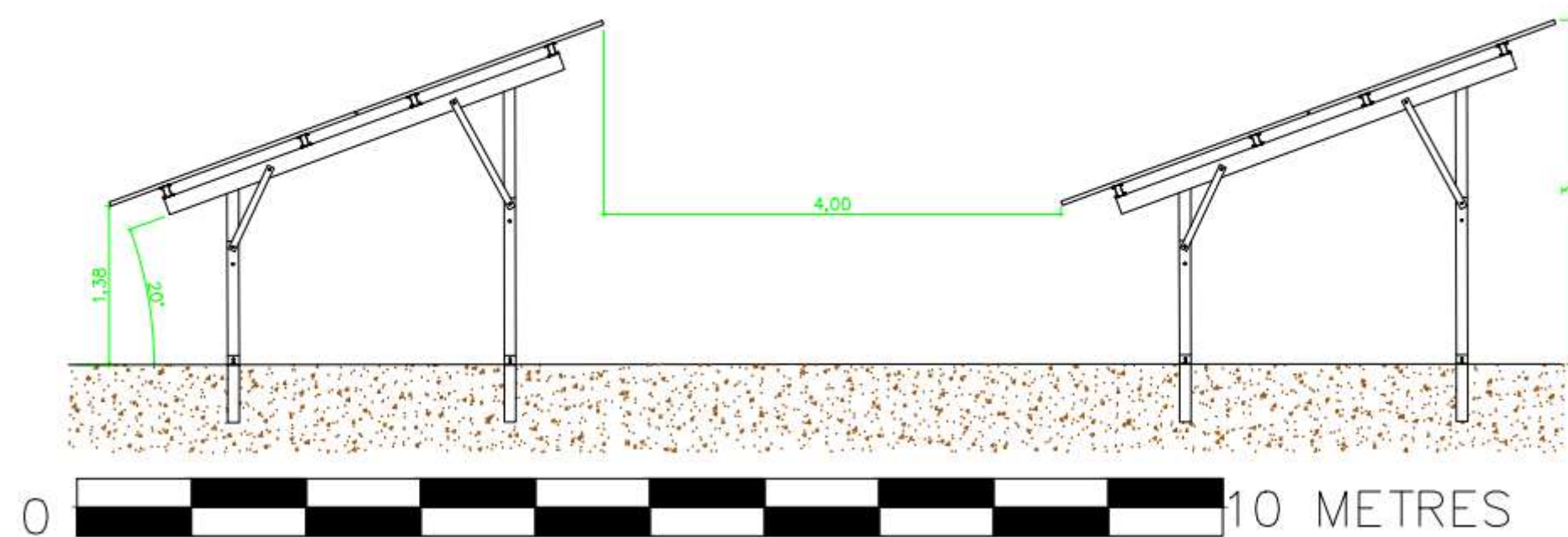


Typical Solar Panel Framing  
Back View

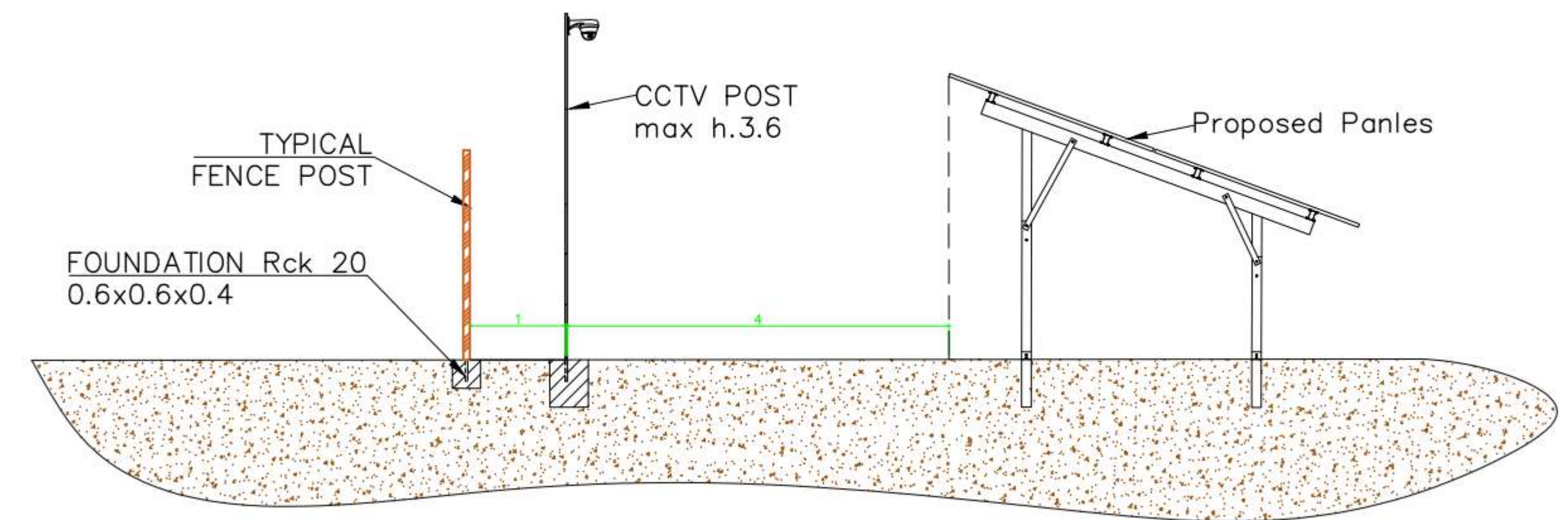


1.5 Below Ground  
All measures shown are in metres ( m )

Typical Solar Panel Framing  
Section A-A

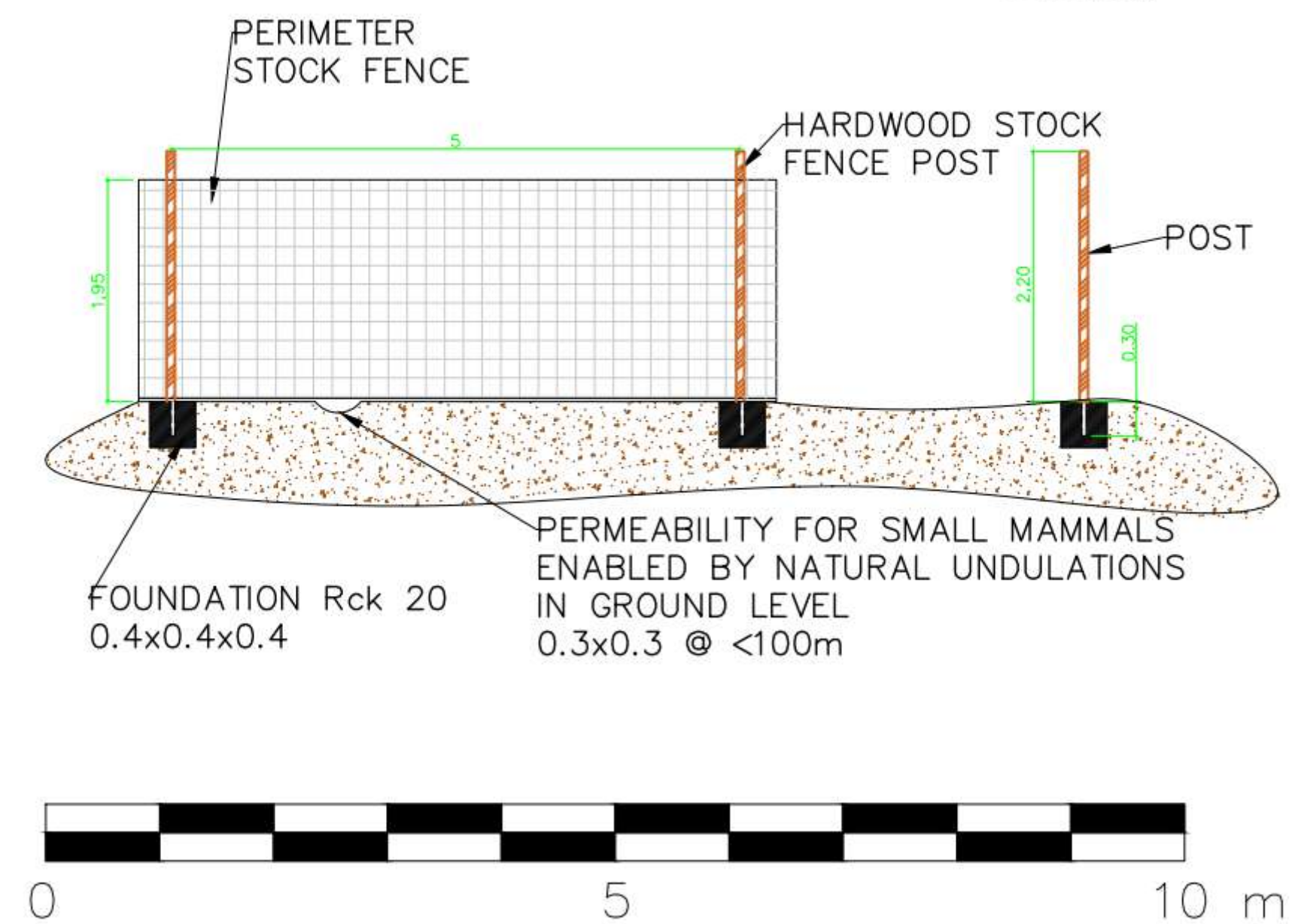


Typical Perimeter CCTV











Typical Deer Fencing  
Elevation

SECTION



# Kirkgate Lane Solar Park



-  Solar panels
-  Meadow grass to be established in and around the panels
-  DNO/ Customer cabin
-  Maintenance cabin
-  Existing natural screening
-  Stockproof fencing
-  Internal stone access track
-  Proposed bee farm



Viewpoint 2: From Long distance path - Barnsley Boundary Walk [FP 12]

Viewpoint 2: existing



Viewpoint 2: Photomontage of proposed development at Year 1



Viewpoint Details

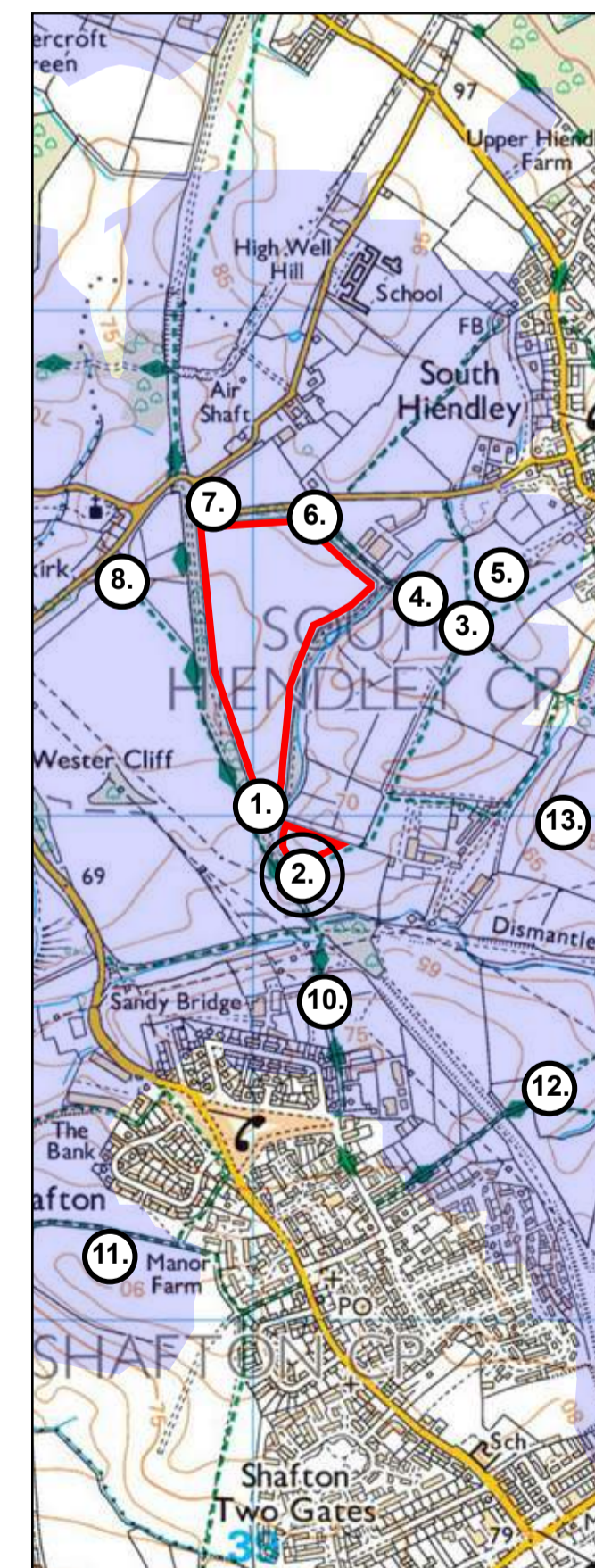
Viewpoint ID: 2  
 Map Co-Ordinates: SE 39106 11876  
 Height at Ground Level (AOD): 60m  
 Approx. Distance to Site: 26m  
 Direction towards the site: South

Date of Photo: 28.03.2022  
 Weather Conditions: Sunny, light clouds  
 Surveyor: Paul W Beswick  
 Angle of View: 90°  
 Distance from Viewer: 500mm

Photography has been prepared following the guidance in TGN 06/19 and refer to the method provided with the LVIA report.

Equipment used:  
 Camera: Canon Eos 6D  
 Lens: Canon EF 50mm FFL 1:1.4 USM

Viewpoint Location Plan





Viewpoint 7: From Kirkgate Lane

Viewpoint 7: existing



Viewpoint 7: Photomontage of proposed development at Year 1



Viewpoint Details

Viewpoint ID: 7  
 Map Co-Ordinates: SE 38922 12621  
 Height at Ground Level (AOD): 81m  
 Approx. Distance to Site: 50m  
 Direction towards the site: North

Date of Photo: 28.03.2022  
 Weather Conditions: Sunny, overcast  
 Surveyor: Paul W Beswick  
 Angle of View: 90°  
 Distance from Viewer: 500mm

Photography has been prepared following the guidance in TGN 06/19 and refer to the method provided with the LVIA report.

Equipment used:  
 Camera: Canon Eos 6D  
 Lens: Canon EF 50mm FFL 1:1.4 USM

Viewpoint Location Plan

