- Site Boundary
- Solar Panel Areas
- Distance from Solar Panel Areas (0.5, 1, 2km)
- Springfield Solar Farm BESS Area
- Springfield Solar Farm Substation Area
- Springfield Collector Substation Area
- Viewpoint - photomontage location
- Viewpoint - photograph and wireline

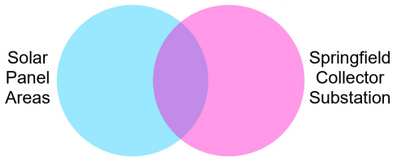
Landcover

- Buildings
- Woodland

Designated Areas

- Gardens and Designed Landscapes
- Local Landscape Areas (East Lothian)
- Special Landscape Areas (Scottish Borders)

Zone of Theoretical Visibility



Notes:
This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS. The areas shown are the maximum theoretical visibility, taking into account topography, principal woodlands and buildings.

A digital surface model (DSM) has been derived from OS Terrain 5 height data with the locations of woodland and buildings taken from the OS Open Map Local dataset. Buildings have been modelled with an assumed height of 7.5m and woodland an assumed height of 15m, representing a conservative estimate of average heights within the study area. The model does not take into account some localised features such as small copses, hedgerows or individual trees and therefore still gives an exaggerated impression of the extent of visibility. The actual extent of visibility on the ground will be less than that suggested by this plan.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a derived DSM and has a 5m^2 resolution.

0 0.5 1
Kilometers

N

SCALE: See Scale Bar	VERSION: 01
SIZE: A3	DRAWN: ME
PROJECT: Springfield Farm	CHECKED: MF
DATE: 14/09/2026	APPROVED: ME

Cumulative Assessment Figure 3.2: Cumulative ZTV Study - Solar Panel Areas with Springfield Collector Substation

ERM voltalia

PROJECTION: British National Grid

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