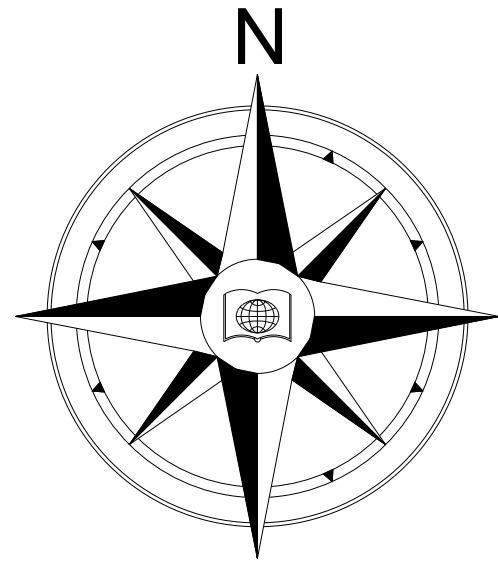
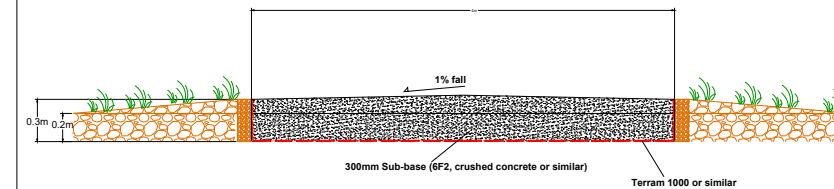




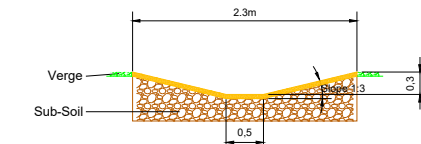
Road Cross Section



Stock Fence

Slope Change

Proposed Swale
Cross Section A-A'



General

	Planning red line boundary
	Fence
	Inclination Change
	PV Table (2x23, 1x23)
	Production Substations and foundation
	Rows Numbering
	Storage Container and foundation
	Client Substation and foundation
	DNO Substation
	Access Road (DNO)
	Swales
	Pole for Camera, Weather Station and Sat Dish
	Entrance Door
	New Hedgerow & Trees
	Location of proposed works of replacement inverters

Configuration

Substation 1 (1100 kVA)

Module	Trinasolar TSM-PD05.05 265W
Inverter	SMA SC2200
Strings	216
Modules/String	23 Modules
Total Modules	216 strings x 23 modules → 4968 modules

Substation 2 (2200 kVA)

Module	Trinasolar TSM-PD05.05 265W
Inverter	2x SMA SC2200
Strings	440
Modules/String	23 Modules
Total Modules	440 strings x 23 modules → 10120 modules

Totals

Total DC Capacity		656 strings x 23 modules → 15088 modules x 265W → 3,998.320 kW	
ACMax		3300 kVA (limit 2500 kVA)	
DC/AC	Grid Voltage Level	cosφ	"U" strings
1.212	11 kV	1	4.57%



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Version	Date	Drawing Description and Notes
01	11/11/2024	Inverter 1 (SMA SC2200) OFGEM update
02	03/11/2025	Inverter 2 & 3 (SMA SC2200) NMA Update

Project Name:

Park Farm West
Park Farm, Caerleon,
Newport, NP 18 3 NY

Drawing Name:

PARK_FARM_WEST_GENERAL_LAYOUT

Scale: 1:1000@A1

Drawing Number:

UK-PFW 84-11_AS BUILT_rev02

Date: 03/11/2025