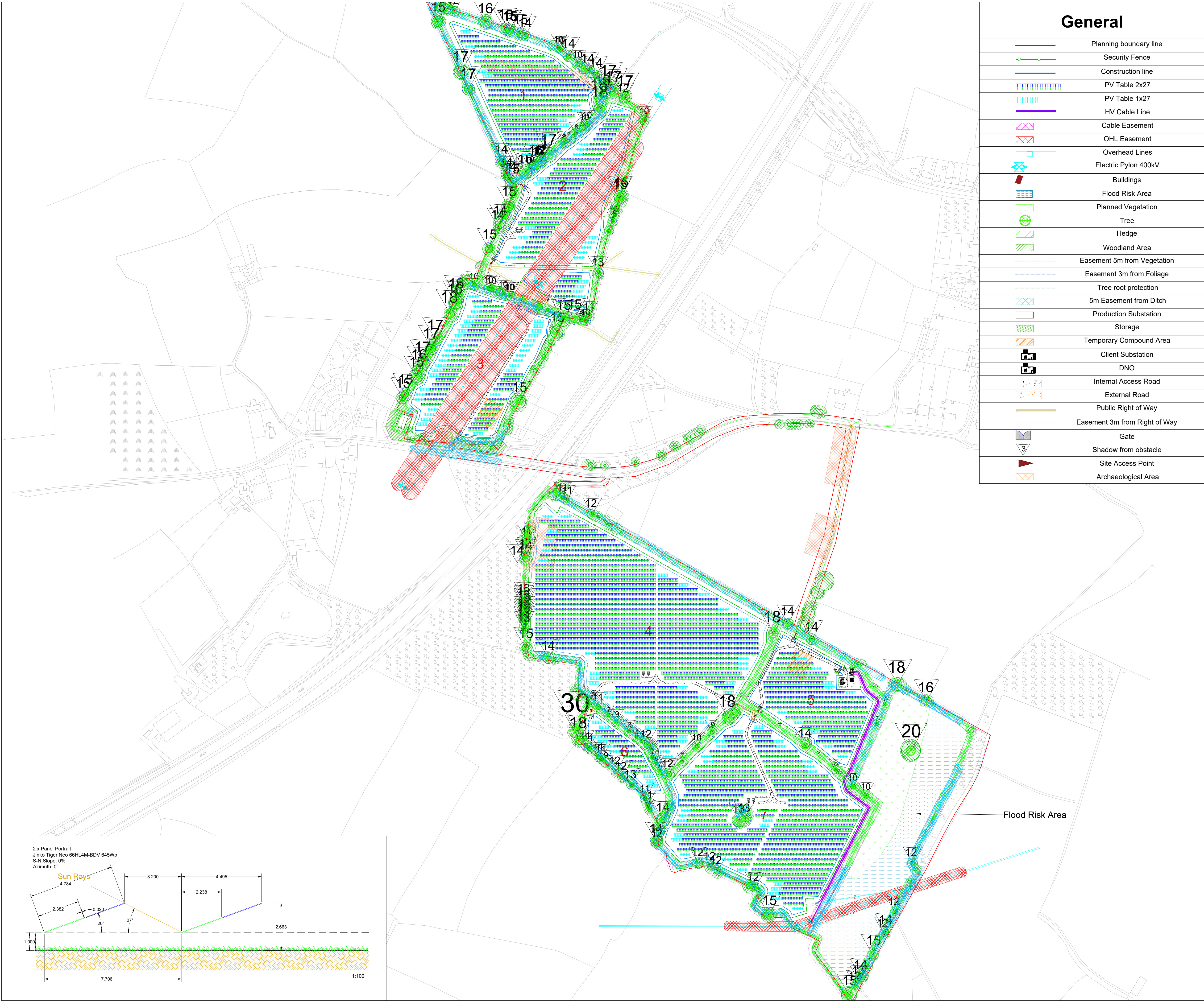




General	
	Planning boundary line
	Security Fence
	Construction line
	PV Table 2x27
	PV Table 1x27
	HV Cable Line
	Cable Easement
	OHL Easement
	Overhead Lines
	Electric Pylon 400kV
	Buildings
	Flood Risk Area
	Planned Vegetation
	Tree
	Hedge
	Woodland Area
	Easement 5m from Vegetation
	Easement 3m from Foliage
	Tree root protection
	5m Easement from Ditch
	Production Substation
	Storage
	Temporary Compound Area
	Client Substation
	DNO
	Internal Access Road
	External Road
	Public Right of Way
	Easement 3m from Right of Way
	Gate
	Shadow from obstacle
	Site Access Point
	Archaeological Area

Configuration			
Substation 1 (MVS6400-LV)			
Transformer	7.040 kVA @30°C 33/0.8kV Dy11		
Module	Jinko Solar 66HL4M-BDV 645 Watt		
Strings	394		
Modules	394 strings x 27 modules → 10,638 modules x 645 Wp		
Inverter	17 x Sungrow SG350HX-20		
Total DC Capacity	10,638 mod x 645 W → 6,861.510kW		
Total AC Capacity (@30 °C)	17 x Sungrow SG350HX-20 → 5,984 kVA		
DC/AC Ratio (@30 °C)	1.146		
Substation 2 (MVS8960-LV)			
Transformer	9.856 kVA @30°C 33/0.8kV Dy11y11		
Module	Jinko Solar 66HL4M-BDV 645 Watt		
Strings	601		
Modules	601 strings x 27 modules → 16,227 modules x 645 Wp		
Inverter	27 x Sungrow SG350HX-20		
Total DC Capacity	16,227 mod x 645 W → 10,466.415kW		
Total AC Capacity (@30 °C)	27 x Sungrow SG350HX-20 → 9,504 kVA		
DC/AC Ratio (@30 °C)	1.101		
Substation 3 (MVS8960-LV)			
Transformer	9.856 kVA @30°C 33/0.8kV Dy11y11		
Module	Jinko Solar 66HL4M-BDV 645 Watt		
Strings	509		
Modules	509 strings x 27 modules → 13,743 modules x 645 Wp		
Inverter	23 x Sungrow SG350HX-20		
Total DC Capacity	13,743 modules x 645 W → 8,864.235kW		
Total AC Capacity (@30 °C)	23 x Sungrow SG350HX-20 → 8,096A		
DC/AC Ratio (@30 °C)	1.094		
Total			
Total DC Capacity	1,504 strings x 27 modules x 645 Wp		
	Total Numb. of PV Modules: 40,608 Total DC Capacity : 26,192.160 kW		
Total AC ACmax: (30 °C)	67 inverters: 67 x 352kW → 23,584 kW		
P _{registered}	20,000 kW		
DC/AC _{max} DC/AC _{limit}	Grid Voltage Level	cosφ	U strings
1.110 1.309	33 kV	0.95	9.7%

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Version	Date	Revised By	Reviewed By	Approved By	Description and Notes
r03	02.10.2025	ACHA	CROU	CSTA	Archaeological Areas utilized, Configuration updated
r02	29.09.2025	ACHA	CROU	CSTA	Constraints Updated , Legend Updated
r01	11.08.2025	ETSI	CROU	CSTA	Updated internal access road to 3.0m - Internal access road from reference to 2.0m updated to 3.0m - Updated all
r00	30.07.2025	SAIKA	CROU	CSTA	Preliminary layout

Project Name:

Aston Flamville,
United Kingdom

Scale:

1:2800 @A1

Drawing Name:

General Layout

Drawing Number:

UK-ASF 300-11

Date:

02/10/2025

Sheet No: