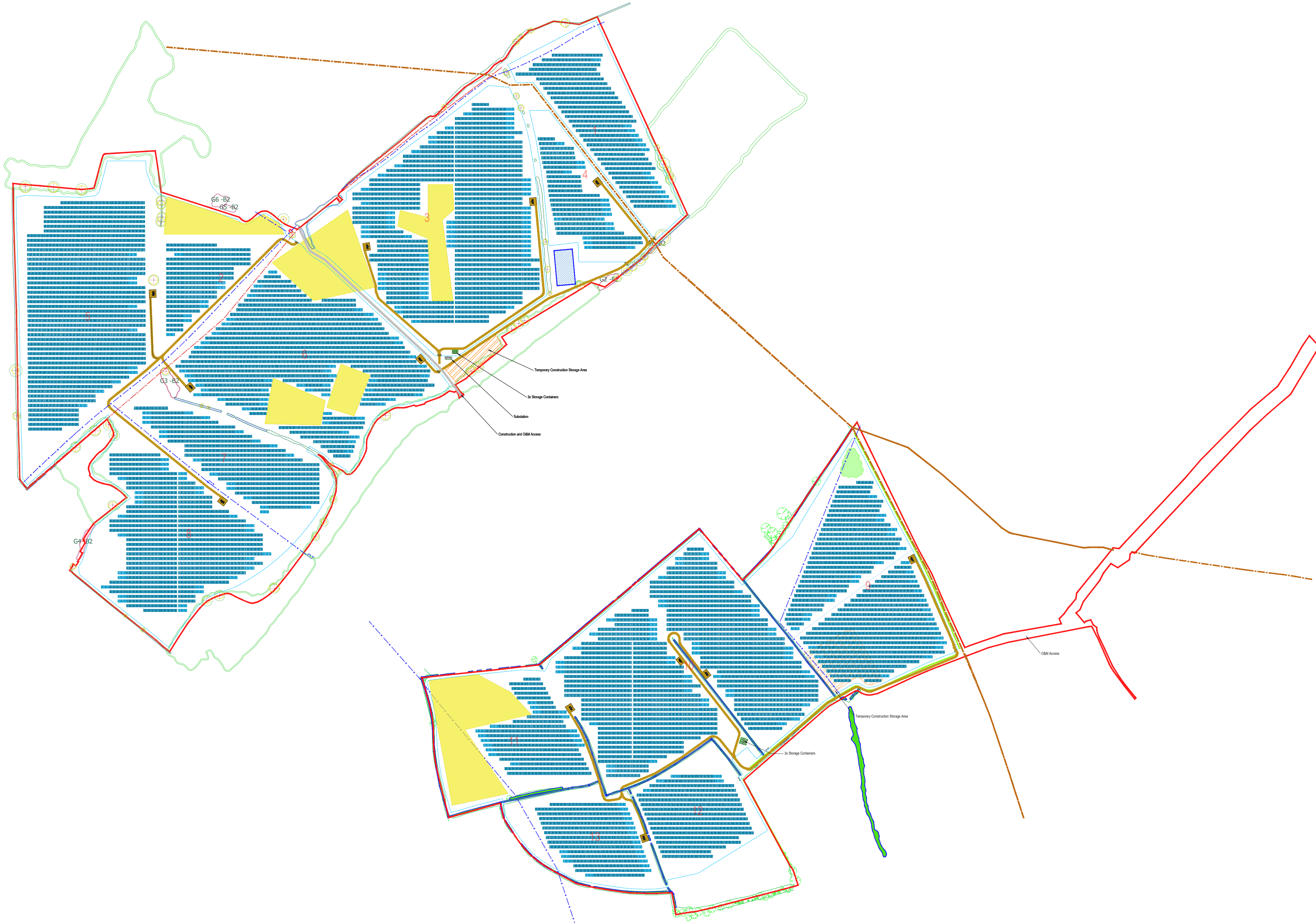
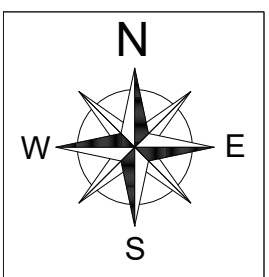




PV Module
JA Solar - JAM66D50-645/GB
645 Wp

Table with 1 string
26 modules

Table with 2 strings
52 modules

198 Cells - 2382x1134x30 [mm]

Site Boundary

Transformer Station
MVS8960-LV

Transformer Station
MVS4480-LV

Fence

Gate

Public Footpath

Water Main Pipe

Electrical Cable (LV)

Unidentified Service

Archeological Zone

Existing Hedgerow

Existing Road

Internal Road

MAIN DATA PV Clump/Hill Farm

AC Power 61'248,00 kW @30°C
DC Power 77'024,61 kWp
PV Module 119418
@STC: P = 645 Wp
V_{oc} = 49,96 V
I_{sc} = 16,53 A
V_{mp} = 40,36 V
I_{mp} = 15,74 A
Efficiency 23,9 %
n. PV modules: 119418

Strings 4593
26 modules in series Table 2x26: 2133
Table 2x13: 327

Inverter 174 SG350HX
DC: V_{in} = 1,500V
V_{max} = 500-1,500V
I_{max} = 30A*16
AC: P = 352kVA@30°C
V = 850V, 3W+PE (3P)
f = 50/60Hz
pf = 0.8cap... 0.8ind
THDi = <3%

Transformer station MV/LV 2 Type Sungrow MVS8960-LV
10 Type Sungrow MVS4480-LV

No.	645W_2x13_PD	645W_2x26_PD	Modules	Area coverage, %	GCR	Capacity, kWh	Covered Area, m²
1	15	105	5850	36,761	0,563	3773,250	15163,511
2	8	56	3120	26,172	0,563	2012,400	8287,206
3	61	286	16458	35,977	0,563	10615,410	42659,165
4	16	56	3328	33,057	0,563	2146,560	8626,017
5	10	289	15288	41,309	0,563	9860,750	39628,621
6	48	248	14144	36,843	0,563	9122,880	36661,472
7	19	104	5902	37,925	0,563	3806,790	15298,124
8	29	184	10322	41,394	0,563	6657,690	26755,059
9	29	215	11034	40,787	0,563	7697,430	30933,634
10	51	359	19994	40,836	0,563	12896,130	51825,522
11	17	70	4082	20,12	0,563	2632,890	10580,467
12	5	89	4758	37,887	0,563	3068,910	12333,313
13	19	72	4238	35,632	0,563	2733,510	10984,756
Total	327	2133	119418	35,762	0,563	77024,610	309536,866

CLUMP AND HILL SOLAR FARM, LEICESTERSHIRE
Hinckley & Bosworth Borough Council
Blaby District Council

Installation of a solar photovoltaic array/solar with associated infrastructure
77 MWdc

GENERAL CONTRACTOR
 SUNNERG | ENERGY & FACILITY MANAGEMENT
SUNNERG LTD
46 Nova Road, Croydon
England, CR0 2TL

26S002

EPC Proposed Layout

PROJECT ☐ Executive ☐ As-built

SCALE 1:4000 FORMAT FORMAT PAG. 1 OF 1

DESIGNED BY A.BRUNO VERIFIED BY G.LIPARI APPROVED BY G.GABELLONE

REV	DATE	STATE	COMMENTS
0	09/02/2026	--	FIRST EMISSION
--	--	--	--
--	--	--	--
--	--	--	--
--	--	--	--

DESIGNER
 A176 LAB
Via Madonna dell'Atmore n. 23
91011 Alcamo (TP)
P.IVA 02812750814
Ing. Giovanni Gabbellone
Think different project

CLIENT
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Warrington - WA1 1RL
CRN 12368142