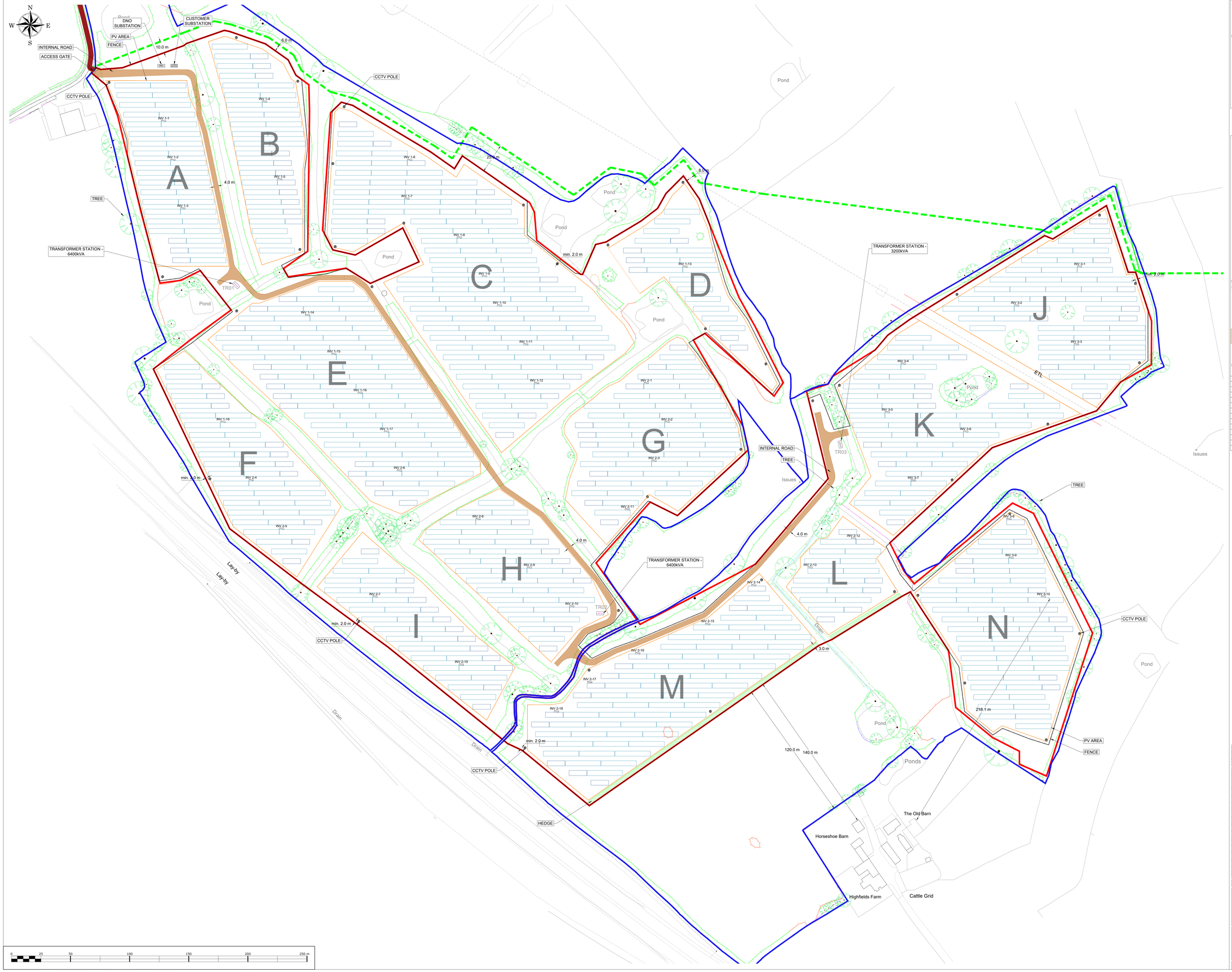


PROJECT DATA

GPS COORDINATES	- 52.9470° - 2.0070°
ROAD LENGTH	- 1 305 m
PV AREA	- 20.80 ha
FENCED AREA	- 26.78 ha
FENCE LENGTH	- 4 729 m

PV PARAMETERS:

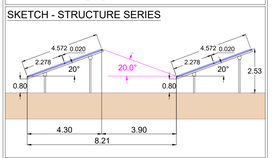
TYPE OF MODULES	- CHSM72M(DG)/F-BH-545
NUMBER OF MODULES	- 36 374 pcs
MODULES PER STRING	- 26 pcs
NUMBER OF STRINGS	- 1 399 pcs
TYPE OF INVERTER	- SUNGROW SG350HX
NUMBER OF INVERTERS	- 47
TYPE OF STRUCTURE	- Fixed Tilt 2x13 and 2x26 portrait
STRUCTURE TILT	- 20°
NUMBER OF STRUCTURES	- 2x13 portrait - 135 pcs, 2x26 portrait - 632 pcs
TYPE OF TRAFO STATION	- 2 x 6400 kVA / 1 x 3200 kVA
NUMBER OF TRAFO STATIONS	- 3

PLANT DC POWER	- 19 823.83 kWp
PLANT AC POWER (@40°)	- 15 040.00 kVA
DC/AC RATIO	- 1.32

LEGEND

- FENCE
- PV AREA
- Ownership site boundary
- Application site boundary
- Actual alignment PRoW in filed - 1.5m wide
- TREE
- INTERNAL ROAD
- GREEN HEDGE
- ACCESS GATE
- CCTV POLES
- TRANSFORMER STATION - 6400kVA
- TRANSFORMER STATION - 3200kVA
- CUSTOMER SUBSTATION
- DNO SUBSTATION
- PV MODULE STRUCTURE 2x26P @20°
- PV MODULE STRUCTURE 2x13P @20°
- INVERTER

SKETCH - STRUCTURE SERIES



Field ID	Full tables (2x26P)	Half tables (2x13P)	Strings	Modules
A	35	3	73	1898
B	29	11	69	1794
C	107	12	226	5876
D	16	6	38	988
E	78	13	169	4394
F	37	10	84	2184
G	48	10	106	2756
H	35	9	79	2054
I	27	13	67	1742
J	47	9	103	2678
K	50	8	108	2808
L	14	6	34	884
M	60	13	133	3458
N	50	10	110	2860

Project: Totmonslow Farm

Drawing name: General Layout

ID: 1107_02 Drawn: REN

Revision	Description	Date
R 15	Fence colour changed	21.04.2023
R 14	Field ID Added	12.04.2023
R 13	Changing the Fence	12.04.2023
R 12	New PRoW Added	16.03.2023
R 11	Sonnedix review	08.03.2023
R 10	Inverters Added	28.02.2023
R 09	PV area reduced on the South	20.02.2023
R 08	CCTV Added	19.01.2023
R 07	DNO and CSS Updated	02.12.2022
R 06	New Configuration	07.11.2022
R 05	Landscape Buffer Added	03.10.2022
R 04	DC Capacity Updated	21.07.2022
R 03	Roads Modified	31.03.2022
R 02	Layout Modifications	23.03.2022
R 01	First Issue	15.03.2022

Discipline:	Phase:	Format:	Scale:	Sheet No:
Electrical	Preliminary Design	A0	1:1000	01 / 01

Client:

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