



# Little Crow

*Solar Park*

*Little Crow Solar Park, Scunthorpe*

## **ENVIRONMENTAL STATEMENT: TECHNICAL APPENDICES**

### **APPENDIX 6.5 - DETAILED LANDSCAPE PROPOSALS**

#### **DEADLINE 5**

**Revision:**  
**Regulation No:**  
**PINS Reference:**

**Deadline 5 Rev A**  
**APFP Reg: 5(2)(a)**  
**EN010101**

**Author:**  
**Date:**

**Pegasus Group**  
**August2021**

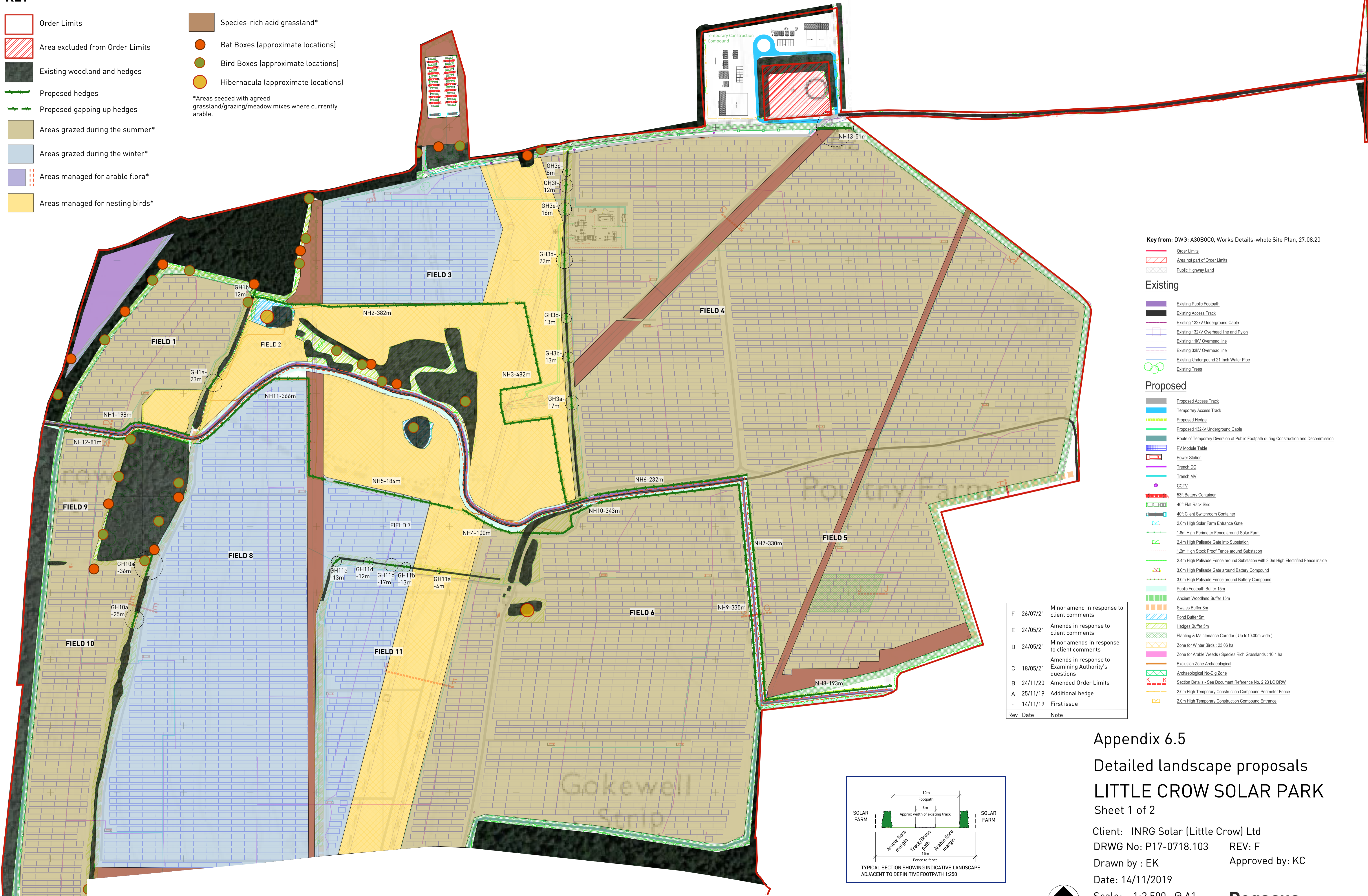




**KEY**

- Order Limits
- Area excluded from Order Limits
- Existing woodland and hedges
- Proposed hedges
- Proposed gapping up hedges
- Areas grazed during the summer\*
- Areas grazed during the winter\*
- Areas managed for arable flora\*
- Areas managed for nesting birds\*
- Bat Boxes (approximate locations)
- Bird Boxes (approximate locations)
- Hibernacula (approximate locations)

\*Areas seeded with agreed grassland/grazing/meadow mixes where currently arable.

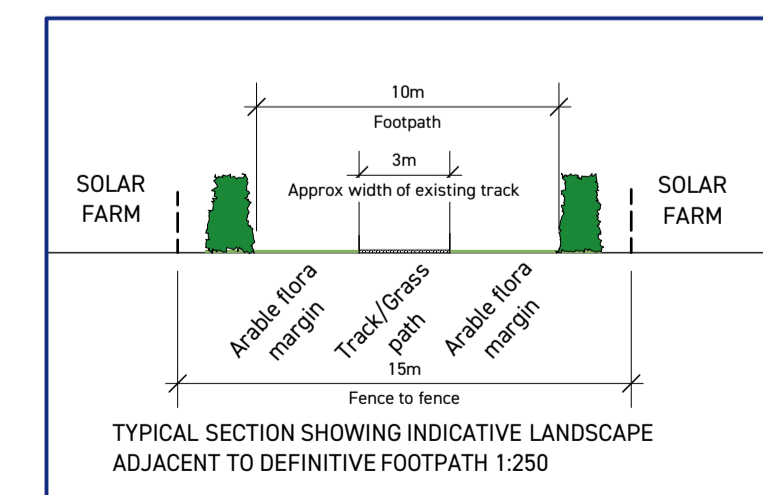


Key from: DWG: A30B0C0, Works Details-whole Site Plan, 27.08.20

- Existing**
- Existing Public Footpath
  - Existing Access Track
  - Existing 132kV Underground Cable
  - Existing 132kV Overhead line and Pylon
  - Existing 11kV Overhead line
  - Existing 33kV Overhead line
  - Existing Underground 21 Inch Water Pipe
  - Existing Trees

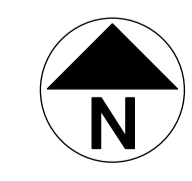
- Proposed**
- Proposed Access Track
  - Temporary Access Track
  - Proposed Hedge
  - Proposed 132kV Underground Cable
  - Route of Temporary Diversion of Public Footpath during Construction and Decommission
  - PV Module Table
  - Power Station
  - Trench DC
  - Trench MV
  - CCTV
  - 53ft Battery Container
  - 40ft Flat Rack Skid
  - 40ft Client Switchroom Container
  - 2.0m High Solar Farm Entrance Gate
  - 1.8m High Perimeter Fence around Solar Farm
  - 2.4m High Palisade Gate into Substation
  - 1.2m High Stock Proof Fence around Substation
  - 2.4m High Palisade Fence around Substation with 3.0m High Electrified Fence inside
  - 3.0m High Palisade Gate around Battery Compound
  - 3.0m High Palisade Fence around Battery Compound
  - Public Footpath Buffer 15m
  - Ancient Woodland Buffer 15m
  - Swales Buffer 8m
  - Pond Buffer 5m
  - Hedges Buffer 5m
  - Planting & Maintenance Corridor (Up to 10.00m wide)
  - Zone for Winter Birds - 23.06 ha
  - Zone for Arable Weeds / Species Rich Grasslands - 10.1 ha
  - Exclusion Zone Archaeological
  - Archaeological No-Dig Zone
  - Section Details - See Document Reference No. 2.23 LC.DRW
  - 2.0m High Temporary Construction Compound Perimeter Fence
  - 2.0m High Temporary Construction Compound Entrance

F	26/07/21	Minor amend in response to client comments
E	24/05/21	Amends in response to client comments
D	24/05/21	Minor amends in response to client comments
C	18/05/21	Amends in response to Examining Authority's questions
B	24/11/20	Amended Order Limits
A	25/11/19	Additional hedge
-	14/11/19	First issue
Rev	Date	Note



Appendix 6.5  
Detailed landscape proposals  
**LITTLE CROW SOLAR PARK**  
Sheet 1 of 2

Client: INRG Solar (Little Crow) Ltd  
 DRWG No: P17-0718.103 REV: F  
 Drawn by : EK Approved by: KC  
 Date: 14/11/2019  
 Scale: 1:2,500 @ A1





HEDGE GAPPING UP planted at 5/lm	ID	Cs	Cm	Ca	la	Ps	Ee	Rc	Length m
FIELD 1	GH1a	6	58	12	12	17	2	6	23
	GH1b	3	30	6	6	9	1	3	12
FIELD 3	GH3a	4	43	9	9	13	1	5	17
	GH3b	3	33	7	7	10	1	3	13
	GH3c	3	33	7	7	10	1	3	13
	GH3d	6	55	11	11	17	1	6	22
	GH3e	4	40	8	8	12	1	4	16
	GH3f	3	30	6	6	9	1	3	12
	GH3g	2	20	4	4	6	1	2	8
FIELD 10	GH10a	9	90	18	18	27	2	10	36
	GH10b	6	63	13	13	19	2	7	25
FIELD 11	GH11a	1	10	2	2	3	0	1	4
	GH11b	3	33	7	7	10	1	3	13
	GH11c	4	43	9	9	13	1	5	17
	GH11d	3	30	6	6	9	1	3	12
	GH11e	3	33	7	7	10	1	3	13
FIELD 12	GH12a	1	8	2	2	2	0	1	3
	GH12b	1	13	3	3	4	0	1	5
	GH12c	8	75	15	15	23	2	8	30
	GH12d	3	25	5	5	8	1	3	10
	GH12e	5	53	11	11	16	1	6	21
	GH12f	3	28	6	6	8	1	3	11
FIELD 13	GH13a	5	45	9	9	14	1	5	18
	GH13b	4	38	8	8	11	1	4	15
	GH13c	2	18	4	4	5	0	2	7
	GH13d	3	33	7	7	10	1	3	13
FIELD 14	GH14a	38	375	75	75	113	10	40	150
	GH14b	5	48	10	10	14	1	5	19
	GH14c	1	13	3	3	4	0	1	5
	GH14d	3	28	6	6	8	1	3	11
	GH14e	3	28	6	6	8	1	3	11
FIELD 15	GH15a	36	360	72	72	108	10	38	144
	GH15b	12	115	23	23	35	3	12	46

NATIVE HEDGE planted at 5/lm	ID	Cs	Cm	Ca	la	Ps	Ee	Rc	Length m
NH1	50	495	99	99	149	13	53	198	
NH2	96	955	191	191	287	25	102	382	
NH3	121	1205	241	241	362	32	129	482	
NH4	25	250	50	50	75	7	27	100	
NH5	46	460	92	92	138	12	49	184	
NH6	58	580	116	116	174	15	62	232	
NH7	83	825	165	165	248	22	88	330	
NH8	48	483	97	97	145	13	51	193	
NH9	84	838	168	168	251	22	89	335	
NH10	86	858	172	172	257	23	91	343	
NH11	92	915	183	183	275	24	98	366	
NH12	20	203	41	41	61	5	22	81	
NH13	13	128	26	26	38	3	14	51	

**GAP HEDGE & NATIVE HEDGE SPECIES TOTALS** planted at 5/lm

TOTAL NO	Abbrv.	Species	Common name	Age + Times Transplant	Height cm	Percentage
1010	Cs	Cornus sanguineum	Dogwood	1+1	40-60	5%
10103	Cm	Crataegus monogyna	Hawthorn	1+1	40-60	50%
2021	Ca	Corylus avellana	Hazel	1+1	40-60	10%
2021	la	Ilex aquifolium	Holly	2L C	30-40	10%
3031	Ps	Prunus spinosa	Blackthorn	1+1	40-60	15%
269	Ee	Euonymus europaea	Spindle	1+1	40-60	5%
1078	Rc	Rhamnus cathartica	Purging buckthorn	1+1	40-60	5%

**LANDSCAPE SPECIFICATION**

See accompanying Landscape & Ecological Management Plan for further detail.

**Native Hedgerow Mix**

Hedgerow trenches shall be dug 450mm wide x 450mm depth the base of which shall be broken up before returning the approved topsoil backfill mixture to the trench at the rate of one part compost to two parts topsoil. Plants to be planted at 5 per linear metre in a double staggered row. All stock shall be planted to the root collar and well firmed in place. After planting a 50mm layer of approved compost fine bark (nominal size 1-10mm) shall be spread over the whole hedge area (1m wide). On completion all hedge plants shall be thoroughly watered in. Hedges to be protected from rabbit damage by rabbit proof fencing or individual spirals/shrub guards as appropriate.

**Species Rich Grass and Wildflower Mixes**

On the completion of construction, a grassland seed mix will be sown in the majority of existing arable fields, which are outside arable plant areas and easements to be sown with the acid grassland mixture. The margins between the hedgerows adjacent to the public right of way will be sown with an Arable Flora Mix.

The seed mix chosen will reflect the soil conditions of the site and species present in the local area and should be appropriate for grazing and locally sourced if possible. A company such as Habitat Aid will be appointed to complete soil tests and source an appropriate seed mix for the ground conditions. Prior to sowing, the seed mix will be agreed with the LPA once the landscape contractor has been appointed. The seed mix will contain a minimum of 10 grass and/or herbaceous species.

Prior to seeding, the ground will be harrowed and rolled, using a line harrow in order to avoid damaging underground wiring. However, if there are any areas which have suffered high soil compaction, for instance due to heavy machinery being deployed, additional remedial works may be required to ensure the soil structure is suitable for subsequent sowing. If such a requirement arises, caution should be exercised to ensure newly installed underground services are not damaged during such operations.

Seeding will take place in spring (late March to May) or autumn (August or September) following completion of construction, and be broadcast by machine (including fertiliser spreader, slug pellet applicator, grass seed box) and rolled where possible. The gaps between strings of panels are to be wide enough to accommodate a tractor travelling between them for cultivation, sowing and rolling purposes. In areas where a machine is unable to access, such as far underneath panels, seeding in these areas will be broadcast by hand.

If there is an abundance of annual or perennial weeds within areas to be seeded then consideration may be given to the treatment of these areas with a glyphosate non-residual herbicide prior to the preparation of the ground (harrow and rolling) and subsequent seeding.

Any areas of bare ground created during the construction stage within existing grassland areas (for instance in the three southwestern most fields) will be reseeded as soon as possible post construction to ensure injurious or ruderal weeds do not establish. A diverse wildflower seed mix, including yellow rattle *Rhinanthus minor*, will be used in order to increase the diversity of the grassland.

**MAINTENANCE**

See accompanying Landscape & Ecological Management Plan for further detail.

**Native Hedgerow Mix**

All hedgerows shall be maintained weed free and any loose plants re-firmed. All canes and spirals where employed shall be regularly checked and adjusted or replaced as required. All hedge lines shall be regularly watered in times of drought to field capacity and shall receive an application of slow release fertiliser at the end of each season for 5 years. Mulch shall be regularly topped up to original levels. All new and existing hedge lines shall be allowed to grow up to a minimum of 3m high and maintained at 3m+. Any plants that fail to thrive shall be replaced with stock to the original specification. (Materials to be assessed in September each year for 5 years)

**Species Rich Grass and Wildflower Mix**

Once established, it is anticipated that the grassland areas under the panels will be managed through sheep grazing, however, where that is not possible then management will be achieved through a grass cutting regime. For more details and specific details relating to the areas managed for nesting birds, acid grassland and arable flora see the LEMP.

**Notes**

- Bare root plants specified for planting during planting season only (i.e. winter months). Containerised and rootballed stock to be employed when necessary as advised by supplier.
- No cultivation should be undertaken in wet/waterlogged conditions or after heavy frosts.
- Imported topsoil to accord with BS3882.
- Supplying nurseries shall be registered under the HTA Nursery Certification Scheme, and plant material should be of certified British provenance.
- All plants shall be packed and transported in accordance with the Code of Practice for plant handling as Published by The Committee for Plant Supply and Establishment (CPSE).
- All plant material to conform with BS:3936 and BS:4428.
- Planting operations to be undertaken during appropriate climatic conditions to avoid wet/waterlogged or frost bound soil conditions, frosts, droughts or during periods of excessive cold drying winds.

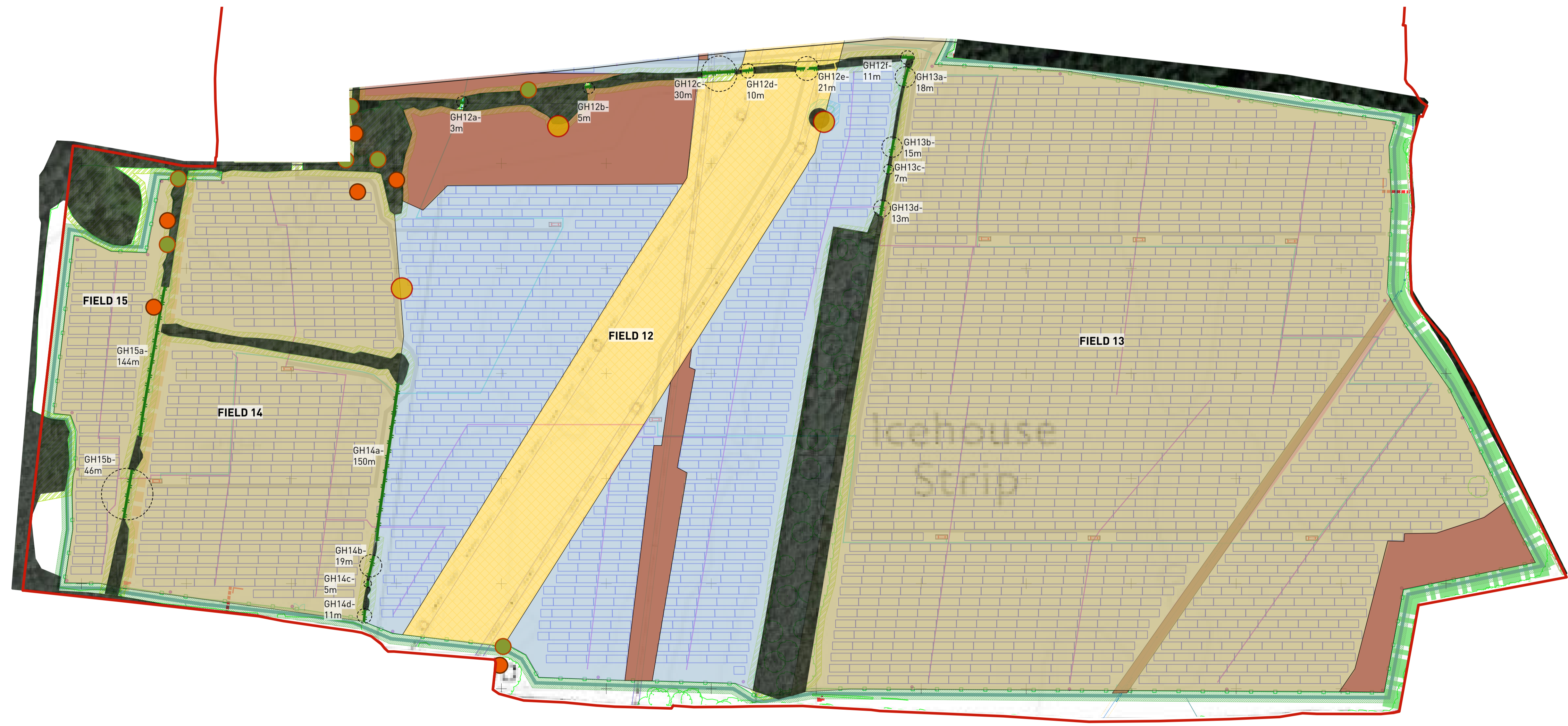
**Programme**

- All bare root planting to be undertaken during the planting season November - March. (All ground cultivations to be undertaken under suitable conditions).
- Seeding works and cultivation to be undertaken in the late summer to mid autumn or mid spring.
- Any replacement planting required during the initial maintenance period is to be undertaken during the planting season, (November to March).

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Sheet 2 of 2

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**NOTE**  
For additional key please see: Sheet 1 of 2, DWG: P17-0718.103  
Additional key displayed on sheet 1 is from: DWG: A30B0C0, Works Details-whole Site Plan, 27.08.20

