



Little Crow

Solar Park

Little Crow Solar Park, Scunthorpe

ENVIRONMENTAL STATEMENT: TECHNICAL APPENDICES

APPENDIX 6.5

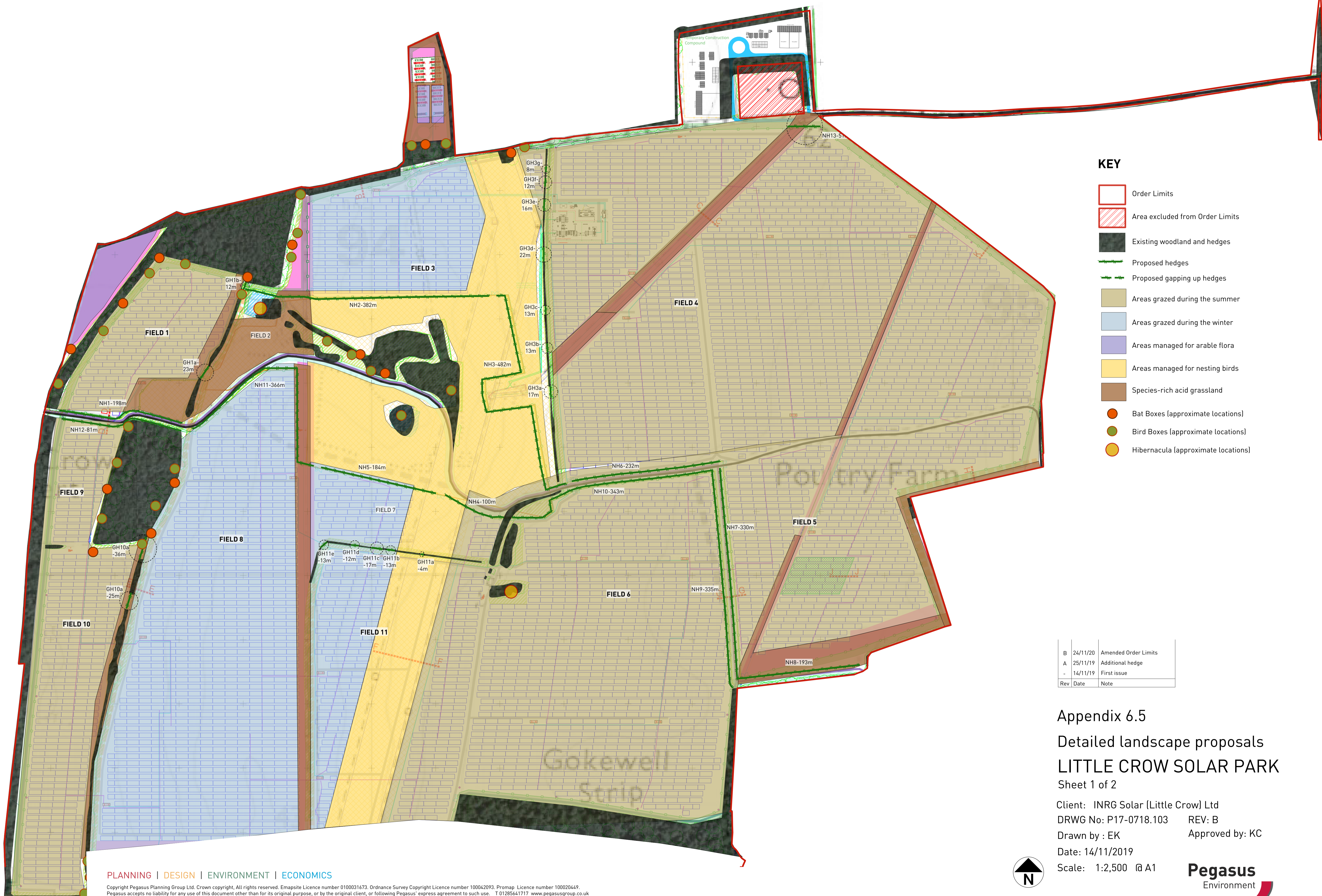
DETAILED LANDSCAPE PROPOSALS

Revision:
APFP Reg: PINS
Reference:

Submission
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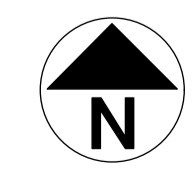


- KEY**
- Order Limits
 - Area excluded from Order Limits
 - Existing woodland and hedges
 - Proposed hedges
 - Proposed gapping up hedges
 - Areas grazed during the summer
 - Areas grazed during the winter
 - Areas managed for arable flora
 - Areas managed for nesting birds
 - Species-rich acid grassland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

Rev	Date	Note
B	24/11/20	Amended Order Limits
A	25/11/19	Additional hedge
-	14/11/19	First issue

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: B
 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
	FIELD 15	GH15a	36	360	72	72	108	10	38
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	Abbrev.	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 seed mix chosen will reflect the soil conditions of the site and species present in the local area and should be 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 tine 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, the grassland areas under the panels will largely be maintained by grazing. 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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DRWG No: P17-0718.104

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Drawn by : EK

Approved by: KC

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