

INSET - Illustrating clear width to PrOW, Scale 1 : 1,000



PLANTING SPECIFICATION

These implementation and maintenance guidelines are for planting purposes only to indicate the level of workmanship to be specified and do not constitute a detailed specification.

- GENERAL**
- All landscape operatives will be appropriately trained, certified and qualified to undertake the tasks required. Where required, the relevant certificates will be made available for inspection. All work is to be carried out in accordance with the relevant British Standards, Codes of Practice and Legislation.

- All plants shall conform to BS 3938 and be in accordance with the National Plant Specification. Supplying nurseries shall be registered under the NHTA Nursery Certification Scheme. All plants shall be packed and transported in accordance with the Code of Practice for Plant Handling as produced by CPSE.
- Planting shall not be carried out when the ground is waterlogged, frost bound or during periods of cold drying winds. All bare-root planting stock will be kept covered and actually planted in order to minimise water loss and prevent the roots from drying out. Tree handling, storage and planting shall be in accordance with BS 6841 Chapters 9 to 13 and Annexes E to F.
- The landscape contractor shall maintain all areas of new planting for a period of 12 months following practical completion. All stock deemed to be dead, dying or diseased within the defects period shall be replaced by the contractor at his own cost.
- A minimum intervention approach will be used in terms of weed control. In areas of transplant tree/shrub or ornamental shrub planting this is to be achieved by using mulch mats and hand-weeding. Weed killer and other chemicals will be used as little as possible on site. Spot removal of weeds will be carried out by hand removal as necessary.

2. TREE PLANTING

- Where necessary treat existing weeds with a glyphosate based herbicide and allow a suitable period as recommended by the manufacturer for this to take effect. A general purpose slow release fertiliser at the rate of 75g/m² and Tree Planting and Mulching Compost at the rate of 200g/m² are to be incorporated into the top 100mm of topsoil during final cultivations. All extraneous matter such as plastic, wood, metal and stones greater than 50mm in any dimension shall be removed.
- The pits to the specified size are to be excavated and the base broken out a further 100mm with the sides well scarified to prevent slumping. All container grown trees over heavy standard size shall be double staked. Stakes should be driven 300mm into undisturbed ground before planting the tree, taking care to avoid underground services and cables etc.

3. NATIVE WOODLAND BUFFER PLANTING

- Ground Preparation**
- Cut existing rough grass and weeds to between 20mm and 30mm and remove 300x300mm squares of turf.
- Planting
- All native shrub planting to be UK grown, call grown 60-80cm stock.
- The minimum overall recommended rooting depth for shrubs is 600mm and for trees is 900mm. The first 300mm shall be made up of multi-purpose topsoil. It shall be ensured that a suitable subsoil provides the remainder of the minimum rooting depth. Before receiving topsoil, subsoils should be loosened using ripping equipment. This shall be done when the subsoil is dry to encourage soil shattering. All stones and other objects larger than 50 mm shall be removed from the prepared surface.
- Planting is to be as per the planting pattern as set out on the planting plan and planting schedule, with shrubs planted at even spaces into the prepared soil at the specified number per metre squared, with minimal disturbance to the rootball, and well trimmed in. Planting should avoid man-made grids and lines, and should group species together in groups of 5-7 plants. Spread ornamental pine bark mulch to a depth of 70mm in a 900mm diameter around each planting station.

PROPOSED PLANTING SCHEDULE

Note: Willow species proposed as fast-growing trees which can be managed or removed to allow other trees to develop to goal.

Proposed Hedgerow Tree Planting

Species	Common Name	Girth	Height / Spread cm	Form	Root Condition
<i>Alnus glutinosa</i>	Alder	8-10	250-300	Standard	BR
<i>Betula pubescens</i>	Silver Birch	8-10	250-300	Standard	BR
<i>Salix alba</i>	White Willow	8-10	250-300	Standard	BR
<i>Salix caprea</i>	Goat Willow	8-10	250-300	Feathered	B
<i>Salix caprea</i>	Goat Willow	8-10	200-250	Feathered	B

Proposed Tree Buffer Planting

To be planted at 2m centres in drifts. Species to be planted in an evenly spaced but irregular pattern i.e. no grids or lines in single species groups with approximately 3-7 plants per group.

Trees (40%)	Species	Common Name	Girth	Height / Spread cm	Form	Root Condition
	<i>Acer campestre</i>	Field maple	10-12	300-350	Feathered	BR
	<i>Acer campestre</i>	Field maple	8-10	250-300	Standard	BR
	<i>Crataegus monogyna</i>	Hawthorn	10-12	300-350	Select	BR
	<i>Crataegus monogyna</i>	Hawthorn	8-10	250-300	Standard	BR
	<i>Malus sylvestris</i>	Crab apple	10-12	300-350	Select	BR
	<i>Malus sylvestris</i>	Crab apple	8-10	250-300	Standard	BR

Proposed Hedgerow Plantings / Hedgerow Infill Planting

To be planted at 5m linear metre in a triple staggered row, rows will be 40cm apart / as appropriate where infilling gaps in existing hedgerows.

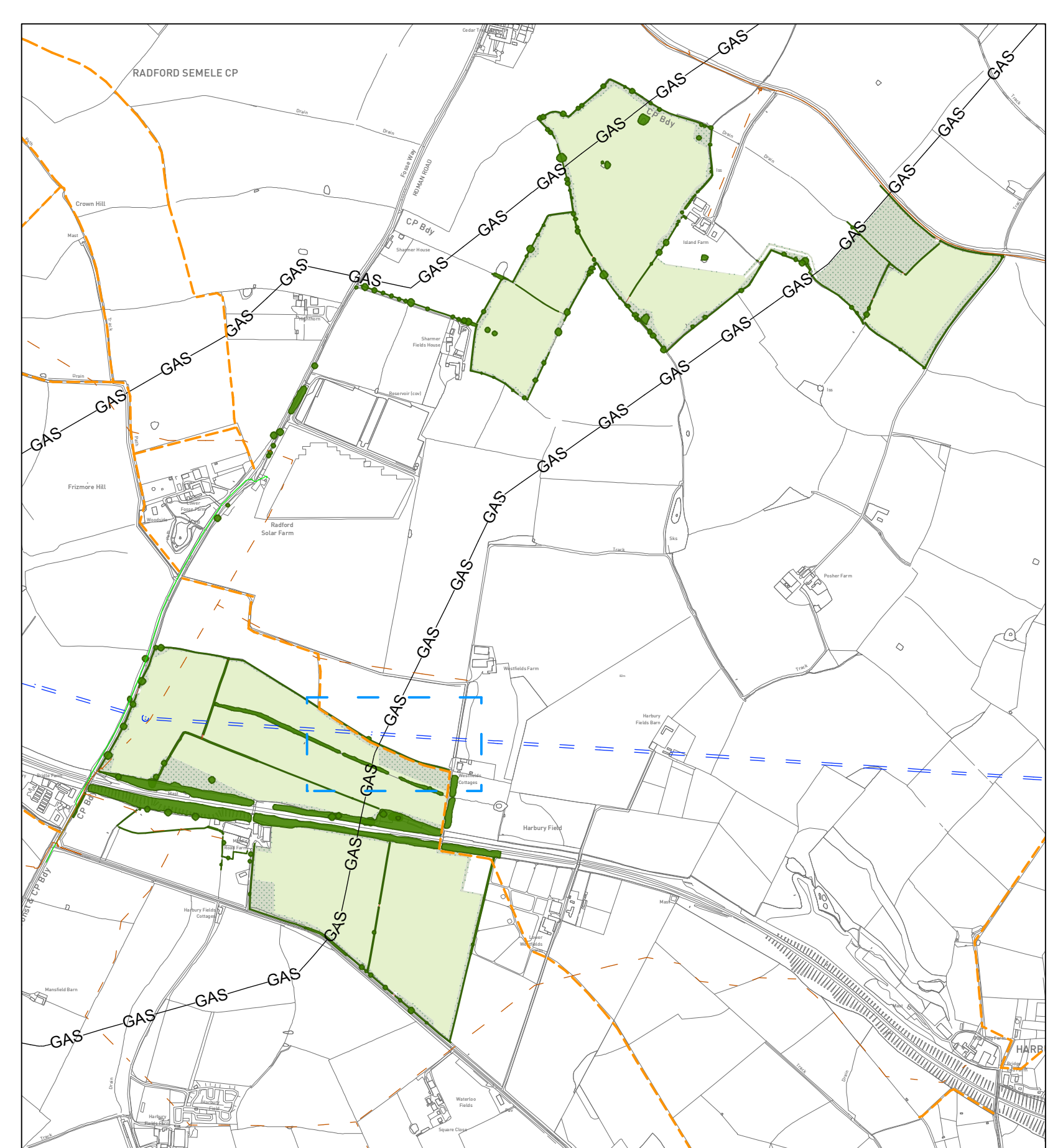
Species	Common Name	Mix %	Height / Spread cm	Form	Age / Times Transplanted	Root Condition
<i>Acer campestre</i>	Field Maple	10%	60-80	Transplant	1+1	BR
<i>Cornus sanguinea</i>	Dogwood	5%	60-80	Transplant	1+1	BR
<i>Corulus avellana</i>	Hazel	70%	60-80	Transplant	1+1	BR
<i>Crataegus monogyna</i>	Hawthorn	70%	60-80	Transplant	1+1	BR
<i>Rosa canina</i>	Dog Rose	5%	60-80	Transplant	1+1	BR
<i>Sambucus nigra</i>	Elder	5%	60-80	Transplant	1+1	BR

Proposed Woodland Planting

To be planted at 2m centres in drifts. Species to be planted in an evenly spaced but irregular pattern i.e. no grids or lines in single species groups with approximately 3-7 plants per group.

Species	Common Name	Height / Spread cm	Form	Root Condition
<i>Alnus glutinosa</i>	Alder	200-250	Feathered	BR
<i>Crataegus monogyna</i>	Hawthorn	200-250	Feathered	BR
<i>Quercus robur</i>	Oak	250-300	Feathered	BR
<i>Salix alba</i>	White Willow	250-300	Transplant	B
<i>Shrubs (60%)</i>				
<i>Acer campestre</i>	Field Maple	60-80	Transplant	BR
<i>Alnus glutinosa</i>	Alder	60-80	Transplant	BR
<i>Crataegus monogyna</i>	Hawthorn	60-80	Transplant	BR
<i>Crataegus monogyna</i>	Hawthorn	60-80	Transplant	BR
<i>Corulus avellana</i>	Hazel	60-80	Transplant	BR
<i>Linum catharticum</i>	Hilly	60-80	Transplant	BR
<i>Salix caprea</i>	Goat Willow	60-80	Transplant	BR

- KEY**
- Site boundary
 - Public Rights of Way
 - Gas pipeline
 - 33kv underground powerline
 - 11kv underground powerline
 - 132kv overhead powerline
 - 11kv overhead powerline
 - Existing trees & hedgerows to be retained refer to tree survey by Barton Hyett Associates (Middle Road 4455)
 - Proposed hedgerow
 - Proposed woodland planting
 - Proposed tree buffer planting
 - Proposed large scale tree planting
 - Proposed small scale tree planting
 - Grazing to Panel Compounds
 - Existing grass retained with bare ground seeded with Emerald E626 Standard Old Fashioned Grazing Mixture or similar sown at 4g/m²
 - Proposed Willow Seeding to Boundaries - Emerald EM2 Standard General Purpose Meadow Mixture or similar sown at 4g/m²
 - Ecological Enhancement Area
 - Proposed Willow Meadow
 - Emerald EM2 Standard General Purpose Meadow Mixture or similar sown at 4g/m²
 - Security Fence
 - Access track
 - Panel cables
 - CCTV
 - Inverter station
 - Spare parts container
 - Battery storage container system
 - Customer substation (delivery station)
 - Substation compound
 - Site access



KEY PLAN - Scale 1 : 12,500

Note: Gaps in hedgerows are to be infilled with suitable hedgerow species inkeeping with existing stock at a rate of 5 per linear metre in triple staggered rows.

Revisions:
 First Issue - 11/06/2021 ASK
 A - 20/07/2021 HWJ Revised PV layout - sheets amalgamated
 B - 04/08/2021 HWJ Additional proposed planting for screening
 C - 03/11/2021 HWJ Additional proposed planting for screening
 D - 11/11/2021 HWJ Planting adjusted to revised PV layout and findings of glint and glare report
 E - 15/12/2021 HWJ I Ecological enhancement area proposals clarified
 F - 12/05/2022 HWJ Planting amended adjacent to Westfield Cottages, PROW inset added to illustrate clear widths
 G - 24/01/2023 LABJ PV layout update and additional planting added for screening
 H - 11/08/2023 LABJ PV layout update and additional planting added for screening
 I - 09/03/2023 LABJ Annotations amended and planting schedule updated
 J - 12/03/2023 LABJ Updates to revised layout, additional tree planting and annotations added
 K - 13/03/2023 LABJ Updates to revised layout and field numbering amended
 L - 13/03/2023 LABJ Battery storage container locations amended to match Canadian Solar technical layout

**Landscape Mitigation Plan
Middle Road Solar Farm**

Client: Leicestershire Solar 1 Ltd

DRWG No. P20-0544_14 REV: N

Drawn by: LAB Approved by: RVF

Date: 31/03/2023

Scale: 1:2500 @ A0