



PLANTING SPECIFICATION

- 1 GENERAL**
- All plants will conform to BS 3336-1 (1992); and be in accordance with the National Plant Specification. Supplying nurseries will be registered under the HTA Nursery Certification Scheme. All plants will be packed and transported in accordance with the Code of Practice for Plant Handling as produced by CPSE.
 - Planting will 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 until actually planted in order to minimise water-loss and prevent the roots from drying out.
 - All bare-root planting stock will be root dipped in an approved water-retaining polymer.
 - If the formation level is compacted it should be ripped through before topsoiling.
- 2 TREE PLANTING**
- All areas of proposed structure mix/tree belt planting shall be ripped in advance of planting works.
 - All extraneous matter such as plastic, wood, metal and stones greater than 100mm diameter will be removed from the planting areas and disposed of off-site.
 - Where necessary existing weeds will be treated with a suitable glyphosate-based herbicide and a suitable period allowed to elapse, as recommended by the manufacturer, for the herbicide to take effect before new planting commences.

Refer to Inset for continued landscape proposal



KEY

CONSTRAINTS

- Site Boundary
- Existing Overhead Power Lines
- Existing Gas Lines
- Existing Telecom line
- Public Right of Way
- Existing vegetation with RPA to be retained. To be maintained at 3.5m where possible. Refer to Arboricultural Report by Barton Hyett Associates for details
- Existing vegetation to be removed
- Existing solar panel
- Ditches

HARD LANDSCAPE PROPOSALS

- Security Fence
- Gates within security fence
- CCTV
- Temporary Compound
- Indicative Solar PV Array
- Access Road/Hard standing - to be compacted crushed aggregate
- Existing Access Road

SOFT LANDSCAPE PROPOSALS

- Spare Container
- Inverter
- Substation compound
- Sheep handling system
- Close board timber gate
- Emorsgate EM2 Standard General Purpose Meadow Mixture - or similar approved sown at 4g/m². To be sown over existing areas under arable
- Emorsgate EMF2 Standard General Purpose Wildflowers - or similar approved sown at 1.5g/m². To be sown over existing pastures.
- Proposed Woodland Planting
- Proposed Native Tree Planting 12-14, Heavy Standards, 350-425cm high, RB
- Proposed New Hedgerow Planting Maintained at max height of 3.5m. Species to match existing hedgerows on site. BR Transplant stock, 60-80cm high
- Proposed Scrub planting
- Surface water attenuation
- Indicative location of proposed pond

- Standard**
- Standard trees are to be placed into pits (1000 x 1000 x 600mm depth) and backfilled with excavated topsoil. A general-purpose slow release fertiliser (at the rate of 35g/m²) and Tree Planting and Mulching Compost (at the rate of 20 litres/m²) are to be incorporated into the top 150mm of topsoil during backfilling. If existing ground is unsuitable for re-use or is deemed to be required, where tree pits are more than 300mm deep, backfilled material shall be consolidated/firmed in 150mm layers.
 - Trees shall be planted as per the plant schedule shown on this drawing.
 - All standard trees will be held so that movement at the root collar is minimised until new roots have developed to anchor the tree. A single vertical stake (75mm dia x 1.8m length) will be used and attached to the tree at approximately 1200mm above ground level. Stakes will be driven 300mm into undisturbed ground beneath tree pit before planting the tree, taking care to avoid underground services and cables. The trees will be secured using proprietary rubber straps and must be firmly fixed with a spacing device used to prevent chaffing against the tree.
 - All feathered trees will be protected from rabbit and deer damage by the fitting of 600mm spiral tree guards.
 - All trees shall be watered in at the end of each day of planting.
- 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, cell 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.
 - Shrub / tree planting is to be as per the planting pattern as set out on the planting plan and planting schedule, with shrubs / trees planted at even spaces into the prepared soil at the specified number per centre, with minimal disturbance to the rootball and well firmed 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 50mm to a 900mm diameter around each planting station.
 - All bare-root planting stock will be protected from rabbit damage using approved proprietary 0.6m (for shrub species) or 1.2m (for tree species) biodegradable shrub/tree guards, supported with 0.9m (or 1.35m for trees) x 32mm x 32mm softwood stakes as advised by the manufacturer.

- Feathered Trees**
- Feathered trees are to be placed into the pits 500 x 500 x 300mm deep and backfilled with excavated topsoil. A general-purpose slow release fertiliser (at the rate of 35g/m²) and Tree Planting and Mulching Compost (at the rate of 20 litres/m²) are to be incorporated into the top 150mm of topsoil during backfilling. If existing ground is unsuitable for re-use or is deemed to be required.

- 4 NATIVE HEDGER PLANTING**
- Ground Preparation**
- Where necessary existing weeds will be treated with a glyphosate-based herbicide and a suitable period allowed to elapse, as recommended by the manufacturer, for the herbicide to take effect.
 - All extraneous matter such as plastic, wood, metal and stones greater than 50mm diameter will be removed from site to a registered waste disposal facility.
- Planting**
- New hedgerows to be planted in double staggered rows as per schedule.
 - Existing hedgerows to have infill planting (as required following detailed review on site), species and stock size to match proposed new hedgerow planting (see planting schedule).
 - The plants should be planted using L shaped or straight notches using spades of a design suitable for this purpose. The notches must be vertical and deep enough for the roots to hang freely, with the transplant being planted so that the root collar is exactly level with the ground surface. The notch must then be closed and the soil will be well firmed round the roots in line with the guidelines as set out in BS 4428 (1989).
 - All bare-root hedge planting stock will be protected from rabbit damage using approved proprietary 600mm clear plastic spiral guards, supported with 0.9m 12/14lb canes as advised by the manufacturer. Excluding evergreen species.
 - All plants shall be watered in at the end of each day of planting.
 - Weed growth in all areas of tree planting will be controlled until successful establishment is achieved by careful application of a systemic herbicide such as Roundup by an approved landscaping contractor in order to clear any extraneous vegetation.
 - All hedgerow planted areas to be finished with a 50mm min depth of Amenity bark mulch.
- Maintenance during first growing season**
- All dead, dying or diseased hedge plants will be replaced with plants of similar size and species. If the failure of the plant is due to disease and the disease is considered likely to re-occur then an alternative species may be used as replacement if agreed with the LPA.
 - The planting area will be kept weed free throughout the maintenance period using approved herbicides in April, June and August.

- 5 NATIVE HEDGEROW SUPPLEMENTARY INFILL PLANTING**
- Ground Preparation**
- Where necessary existing weeds will be treated with a glyphosate-based herbicide and a suitable period allowed to elapse, as recommended by the manufacturer, for the herbicide to take effect.
 - All extraneous matter such as plastic, wood, metal and stones greater than 50mm diameter will be removed from site to a registered waste disposal facility.
- Planting**
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 - The planting area will be kept weed free throughout the maintenance period using approved herbicides in April, June and August.

- 6 NATIVE SCRUB PLANTING**
- Preparation**
- Areas of grassland to be seeded shall be sprayed out with a glyphosate herbicide and cultivated to a depth of 100mm removing all weeds debris and stones over 75mm diameter. The surface shall be raked to smooth flowing contours with a fine tith.
- Seeding**
- Seeds shall be sown in September during calm weather and not when the ground is frost bound or waterlogged.
 - To achieve an even sowing, bulk with an inert carrier, such as sand. Seed shall be sown in two equal sowings in transverse directions at e.g. Emorsgate EM2 Standard General Purpose Meadow Mixture, 4g/m² and Emorsgate EMF2 Standard General Purpose Wildflowers, 1.5g/m². After sowing the contractor shall roll in the seed to guarantee intimate contact with the soil, ensuring not to rake or cover the seed with soil.

- 7 GRASS**
- Preparation**
- Areas of grassland to be seeded shall be sprayed out with a glyphosate herbicide and cultivated to a depth of 100mm removing all weeds debris and stones over 75mm diameter. The surface shall be raked to smooth flowing contours with a fine tith.
- Seeding**
- Seeds shall be sown in September during calm weather and not when the ground is frost bound or waterlogged.
 - To achieve an even sowing, bulk with an inert carrier, such as sand. Seed shall be sown in two equal sowings in transverse directions at e.g. Emorsgate EM2 Standard General Purpose Meadow Mixture, 4g/m² and Emorsgate EMF2 Standard General Purpose Wildflowers, 1.5g/m². After sowing the contractor shall roll in the seed to guarantee intimate contact with the soil, ensuring not to rake or cover the seed with soil.

- 8 GENERAL MAINTENANCE**
- 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. The site is to be visited monthly throughout the year to undertake the Following operations:
 - Weed clearance: All planting areas to be kept weed free by hand weeding or herbicide treatment.
 - Litter clearance: All litter is to be removed from planting beds.
 - Watering: All planted areas are to be watered for the first two years from May to September following any dry periods of 7 days.
 - All trees are to be watered weekly from May to the end of September unless unnecessary due to heavy rain to receive 20 gallons of water. All shrubs are to be watered for the first two years from May to September following any dry periods of 7 days. All tree ties and stakes are to be checked and adjusted if too loose, too tight or if chaffing is occurring. Any broken stakes are to be replaced. Any damaged shoots/branches are to be pruned back to healthy wood. Plants are to be pruned in accordance with good horticultural practice to maintain healthy, well-shaped specimens. Native shrubs - Using approved herbicides a 1m diameter circle centred on each planting station shall be kept weed free throughout the maintenance period. Stakes may be removed from Year 2 if plant is fully established and if shelter is suppressing further growth.
 - Hedge lines shall be kept mulched until established. At the end of the Defects Liability Period/ First Year's Maintenance the CA will prepare a list of all plants which are dead, dying or diseased and are to be replaced during the following planting season at the contractor's expense.

PROPOSED PLANTING SCHEDULE

PROPOSED TREE PLANTING

Species	Birth	Height (cm)	Form	Root condition
Acer campestre	12-14	350-425	Heavy Standard	RB
Corylus avellana	12-14	350-425	Heavy Standard	RB
Malus sylvestris	12-14	350-425	Heavy Standard	RB
Quercus robur	12-14	350-425	Heavy Standard	RB

PROPOSED WOODLAND PLANTING

Trees to be planted at 18m centres (0.3/m²); shrubs to be planted at 12m centres (0.7/m²)

Species	Mix (%)	Birth	Height (cm)	Form	Age/ Times transplanted	Root condition
Trees (40%)						
Acer campestre	25	12-14	200-250	Feathered	-	B
Corylus avellana	25	12-14	200-250	Feathered	-	B
Malus sylvestris	15	12-14	200-250	Feathered	-	B
Quercus robur	35	12-14	200-250	Feathered	-	B
Shrubs (60%)						
Acer campestre	10	-	60-80	Transplant	1+1	B
Cornus sanguinea	10	-	60-80	Transplant	1+1	B
Corylus avellana	15	-	60-80	Transplant	1+1	B
Crataegus monogyna	40	-	60-80	Transplant	1+1	B
Prunus spinosa	15	-	60-80	Transplant	1+1	B
Sambucus nigra	10	-	60-80	Transplant	1+1	B

PROPOSED HEDGEROW PLANTING

To be planted at 5p linear metre in double staggered rows, rows will be 40cm apart or as appropriate where infilling gaps in existing hedgerows

Species	Mix (%)	Height (cm)	Form	Age/ Times transplanted	Root Condition
Acer campestre	20	60-80	Transplant	1+1	B
Cornus sanguinea	5	60-80	Transplant	1+1	B
Corylus avellana	5	60-80	Transplant	1+1	B
Crataegus monogyna	40	60-80	Transplant	1+1	B
Prunus spinosa	20	60-80	Transplant	1+1	B
Sambucus nigra	10	60-80	Transplant	1+1	B

PROPOSED SCRUB PLANTING

To be planted at 1m²

Species	Mix (%)	Height (cm)	Form	Root Condition
Cornus sanguinea	20	60-80	Branched	B
Crataegus monogyna	35	60-80	Branched	B
Euonymus europaeus	10	60-80	Branched	B
Ligustrum vulgare	10	60-80	Feathered	B
Prunus spinosa	15	60-80	Branched	B
Viburnum lantana	10	60-80	Branched	B

Detailed Landscape Proposal Varley Solar Farm

Client: RES
 DRWG No: P22-0915_09 Sheet No: REV: C
 Drawn by: LAB Approved by: DT
 Date: 21/07/2023
 Scale: 1:2,000 @ A1

PEGASUS GROUP