

N	lative Tree Plaı	nting:						
	Quantity Species		Height (cm)	Girth (cm)	Habit	Ages / Times Transplanted	Root Conditio	
	Heavy Standar	d Trees			•			
	39	Acer campestre	350-425	12-14	Clear stem min 200 cm; 5 breaks	3x	40L	
	30	Quercus robur	350-425	12-14	Clear stem 175-200 cm, 5 breaks	3x	40L	

Quantity	Species	Mix %	Height (cm)	Habit	Ages / Times Transplanted	Root Conditio
3606	Acer pseudoplatanus	15	60-80	Transplant – seed raised	1+1	В
3606	Corylus avellana	15	40-60	Transplant – seed raised; branched; 2 breaks	1+1	В
9615	Crataegus monogyna	40	40-60	Transplant – seed raised	1+1	В
2404	llex aquifolium	10	20-30	Leader with laterals	-	0.5L
1202	Prunus spinosa	5	60-80	Transplant - seed raised; branched; 2 breaks	1+1	В
1202	Rosa canina	5	60-80	Transplant – seed raised; branched; 3 breaks	1+1	В
2404	Sambucus nigra	10	60-80	Transplant – seed raised; branched; 3 breaks	1+1	В

PLANTING SPECIFICATION	3 NATIVE HEDGE TRANSPLANTS	5.4 The seed supplier should be contacted prior to purchasing the seed mixture and the soil conditions and location of the site should be discussed. A bespoke	5.12 Grass Seed Mixtures				
1 GENERAL	4 <u>Ground Preparation</u>	seed mixture suitable for the specific conditions on the site may be more suitable.	<b>Germinal (or similar) WFG8 Hedgerow &amp; Shaded Areas</b> (To be agreed with the project ecologist) sown at 4gms/m2				
1.1 All plants will conform to BS 3936-1 (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	4.1 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.	<ul><li>5.5 Seeds can be mixed with a substrate such as sand or sawdust for ease of broadcasting.</li></ul>	To be sown around the perimeter areas of the Application Site as indicated on the plans. Cotswold Seeds (or similar) Solar Park Long Term Grazing Mixture with Clover				
<ul><li>accordance with the Code of Practice for Plant Handling as produced by CPSE.</li><li>1.2 Planting will not be carried out when the ground is waterlogged, frost bound or during periods of cold drying winds.</li></ul>	4.2 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.	<ul> <li><u>Grassland Cutting</u></li> <li>5.6 Following establishment of a suitable sward, the grassland habitats will be managed through either grazing and/or mechanical cuts to develop grassland</li> </ul>	(To be agreed with the project ecologist) sown at 32.5kg/ha To be sown within the security fencing of areas occupied by s indicated on the plan.			lar panels as	
1.3 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.	Planting	<ul> <li>with a varied structure. Both approaches are identified below.</li> <li>5.7 Problem perennial weeds within the grassland will be controlled by carefully targeted applications of a suitable selective none residual herbicide by way of</li> </ul>	<b>Emorsgate (or similar) EM3 Special General Purpose Meadow Mixture</b> (To be agreed with the project ecologist) sown at 4gms/m2 To be sown to areas within proposed Conservation Areas and areas within				
1.4 All bare-root planting stock will be root dipped in an approved water-retaining polymer.	offset as per schedule.	spot spraying with a knapsack (low pressure to avoid spray drift), or weed wiping.	grassana for bira nesting.				
1.5 If the formation level is compacted it should be ripped through before topsoiling.	4.4 Existing hedgerows to have infill planting las required following detailed review on site), species and stock size to match proposed new hedgerow planting (see planting schedule).	5.8 In the unlikely event that grassland fails to become established upon areas of bare ground created during the works these areas will be lightly scarified and reseeded with the same seed mix used to seed the site at the during the construction phase.					
2 TREE PLANTING	4.5 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	construction phase.	Proposed Hedgerow Planting  II   III   IV				
Ground Preparation and Tree Pit Excavation	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	5.9 An inspection will be undertaken in early August following completion of the installation. The inspection will be undertaken by the solar farm operator. Should the proportion of bare ground be greater than 20% sowing will be	Transplant	(67 lin m)	(15 lin m)	(22.5 lin m)	
2.1 Where necessary remove existing weeds by hand. Chemical removal using a glyphosate based herbicide will be avoided unless large areas need clearing – following which allow a suitable period to elapse, as recommended by the	guidelines as set out in BS 4428 (1989).	repeated in these areas. Reseeding in August is likely to be particularly appropriate where the months of May, June and July have been very dry. The operating company will assess the proportion of bare ground on the site.	Acer pseudoplatanus Corylus avellana	50no. 50no.	11no. 11no.	17no. 17no.	
manufacturer, for the herbicide to take effect.	4.6 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.	5.10 <u>Mechanical Cutting Regime</u>	Crataegus monogyna Ilex aquifolium Prunus spinosa	134no. 34no. 17no.	30no. 8no. 4no.	45no. 11no. 6no.	
deeper than the rootball / container depth are to be excavated and the sides well scarified to prevent smearing. All extraneous matter such as plastic, wood, metal and stones greater than 50mm in any dimension shall be removed from site.	<ul> <li>4.7 All container-grown planting stock will be protected from rabbit damage using approved proprietary 600mm plastic shrub shelters, supported with 0.9m x 32mm x 32mm softwood stakes as advised by the manufacturer.</li> </ul>	Areas of newly seeded grassland will be subject to one cut during the first year of establishment. In good growing conditions (warm soils and adequate rainfall) the grass will establish and require its first management around 6-10 weeks from sowing. Cut when sward reaches 100mm in beight. However	Rosa canina Sambucus nigra Proposed Hedgerow Planting	17no. 34no.	4no. 8no.   <b>XIV</b>	6no. 11no.	
2.3 During excavation of the pit, the soil dug should be placed to one side separating topsoil and subsoil as far as is practical.	4.8 All plants shall be watered in at the end of each day of planting.	additional cuts may be required to prevent the height of the sward from obscuring the solar panels. The grassland should be cut to 40-70mm. Arising's will be left in situ for 3-5 days to allow seeds to disperse, then be collected with	Transplant	(325 lin m)	(245 lin m)	(385 lin m)	
Tree Planting	4.9 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	a baler or rake to remove nutrients and thereby promote the establishment of a bio diverse sward.	Acer pseudoplatanus Corylus avellana	244no. 244no.	184no. 184no.	289no. 289no.	
2.4 Trees shall be planted as per the planting arrangement as set out on the planting plan and plant schedule.	extraneous vegetation. 4.10 All hedgerow planted areas to be finished with a 50mm min depth of Amenity	Cutting should follow a sympathetic method (ie working outwards towards the boundary features), this will allow fauna such as invertebrates, birds and small	Crataegus monogyna Ilex aquifolium Prunus spinosa	650no. 163no. 81no.	490no. 123no. 61no.	770no. 193no. 96no.	
2.5 The typical rooting depth for trees is 900mm. The first 300mm shall be made up of topsoil; it shall be ensured that a suitable subsoil provides the remainder	bark mulch	mammals to temporarily and sately vacate the area. The management will take a flexible approach and the exact dates will be	Rosa canina Sambucus nigra	81no. 163no.	61no. 123no.	96no. 193no.	
of the minimum rooting depth.	4.11 All dead, dving or diseased bedge plants will be replaced with plants of similar	dependent upon weather conditions. A phased (rotational) cutting regime is recommended (ie ideally the entire area should not be cut at the same time) in					
be planted at the correct depth taking into account the position of the root flare and the finished level - the rootball or root stem transition should be level with the existing host soil or surface. The base of the rootball should typically sit on	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.	order to allow for more structured grassland. Grassed areas along hedgerow bases can be cut less frequently once					
subsoil, for larger rootballs the subsoil will sit around the lower portion of the rootball.	4.12 The planting area will be kept weed free throughout the maintenance period using approved herbicides in April, June and August.	150mm) late in the season, between August and September, subject to weather conditions.					
2.7 Tree pits should be backfilled with the excavated topsoil, if the original topsoil is not available or deemed unsuitable, a multi-purpose topsoil should be used. Any subsoil excavated should be discarded and the subsoil depth (beyond	5 GRASS	All arising's will be removed from site.					
300mm deep) backfilled with a high sand content subsoil. Backfill should be added gradually, in layers of 150mm to 230mm depth, ensuring the tree is held upright At each stage the fill should be firmed in to aliminate all air peckets.	Preparation	Please refer to seed suppliers recommendations for ongoing maintenance and cutting regime.					
under and around the root system, but with care being taken not to excessively compact the soil. The final layer should not be consolidated.	5.1 Areas to be seeded will be sprayed out using a glyphosate-based herbicide and cultivated to a minimum depth of 100mm. During the construction phase there may be areas which have suffered high soil compaction, for instance due to	5.11 <u>Grazing Regime</u> Once established the grassland within the perimeter fence can be managed by					
2.8 General-purpose slow release fertiliser (at the rate of 75gm/m2) and Tree Planting and Mulching Compost at the rate of (20litres/m2) are to be incorporated into the top 150mm of topsoil during final cultivations.	heavy machinery being deployed. These areas should be harrowed using a disc harrow to ensure the soil structure is suitable for subsequent sowing. If such a requirement arises to harrow with discs, caution should be exercised to ensure newly installed underground services are not damaged during harrowing.	sheep grazing as an alternative to mechanical cutting. Grazing should follow a low-intensity grazing regime.					
2.9 All extra heavy standard size trees are to be double staked with 75mm dia stakes. Stakes should be driven at least 300mm into undisturbed ground before planting the tree, taking care to avoid underground services and cables etc. and should typically be one third the height of the tree stem above ground.	5.2 Seeding should take place in early spring in the first year following completion of underground wiring, and be broadcast by machine and rolled where possible. The gaps between strings of panels are to be wide enough to accommodate a tractor travelling between them for harrowing, sowing and	August/September and November and through to February where conditions allow. Stock should be removed in the late winter period if ground conditions become saturated in order to prevent compaction of wet earth and excessive damage to the sward.					
2.10 Staked trees shall be secured to stakes with suitable proprietary rubber tree ties and spacers.	rouing purposes. In areas where a machine is unable to access, such as far underneath panels, bare areas shall be raked by hand and seeding in these areas should be broadcast by hand.	allow flowering plants to set seed. Light summer grazing may also be carried out if grass growth is particularly vigorous, particularly in the early years after establishment.					
2.11 Immediately after planting, but before applying the below bark mulch, all trees should be saturated to field capacity.	Beneath and between the panels	Guidance on stocking levels for lowland grassland (number of sheep per					
2.12 Ornamental composted bark mulch will be spread to a depth of 75mm across a 0.8m dia circle around individual trees, ensuring that the root flare and base of	5.3 Grass seed will be sown in accordance with BS 4428 (1989), and will be sown from April to May or from September to October, during calm weather and not when the ground is frost bound or waterlogged. The site will be seeded where shown using the seeder mix shown below or gritical part (to be associated with the second mix shown below or gritical part (to be associated with the second mix shown below or gritical part (to be associated with the second mix shown below or gritical part (to be associated with the second mix shown below or gritical part (to be associated with the second mix shown below or gritical part (to be associated with the second mix shown below or gritical part (to be associated with the second mix shown below or gritical part (to be associated with the second mix shown below or gritical part (to be associated with the second mix shown below or gritical part).	nectare) can be obtained from the Lowland Grassland Management Handbook produced by Natural England.					
the stem, along with any ground cover plants, are not buried.	project ecologist).	r tease refer to seed suppliers recommendations for ongoing maintenance and cutting regime.					

Proposed Hedgerow Planting	XIII	XIV	XV	XVI	XVII	XVIII		XX	XXI	
	(325 lin m)	(245 lin m)	(385 lin m)	(18.5 lin m)	(100 lin m)	(260 lin m)	(95 lin m)	(150 lin m)	(75 lin m)	(280 lin m)
<u>Transplant</u>										
Acer pseudoplatanus	244no.	184no.	289no.	14no.	75no.	195no.	71no.	113no.	56no.	210no.
Corylus avellana	244no.	184no.	289no.	14no.	75no.	195no.	71no.	113no.	56no.	210no.
Crataegus monogyna	650no.	490no.	770no.	37no.	200no.	520no.	190no.	300no.	150no.	560no.
Ilex aquifolium	163no.	123no.	193no.	9no.	50no.	130no.	48no.	75no.	38no.	140no.
Prunus spinosa	81no.	61no.	96no.	5no.	25no.	65no.	24no.	38no.	19no.	70no.
Rosa canina	81no.	61no.	96no.	5no.	25no.	65no.	24no.	38no.	19no.	70no.
Sambucus nigra	163no.	123no.	193no.	9no.	50no.	130no.	48no.	75no.	38no.	140no.

(17.5 lin m)

13no.

13no.

35no.

9no.

4no.

4no.

9no.

| VI

(400 lin m)

300no.

300no.

800no.

200no.

100no.

100no.

200no.

| VII

600no.

600no.

1600no.

400no.

200no.

200no.

400no.

(800 lin m) (285 lin m)

214no.

214no.

570no.

143no.

71no.

71no.

143no.

435no.

435no.

1160no.

ı 290no.

145no.

145no.

290no.

## Revisions: First Issue- 11/03/2021 JN A- (11/03/2021 JN) Planting proposals revised B- (17/03/2021 JN) Site layout updated

# Landscape Proposals

Bubney Solar Farm

Client: Renewable Connections Developments Ltd

DRWG No: **P20-1083\_11** Sheet No:\_\_\_ REV: B

Drawn by : JN Approved by: AMS/RF

(d A0

Date: 17/03/2021

Scale: 1:1500

(240 lin m)

180no.

180no.

480no.

120no.

60no.

60no.

120no.

(580 lin m) (80 lin m) (245 lin m)

184no.

184no.

490no.

123no.

61no.

61no.

123no.

60no.

60no.

160no.

40no.

20no.

20no.

40no.



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