



Indicative plant list

TREES			
ID	Qty	Species	Size (girth and height)
A.g	5	Alnus glutinosa	8-10cm girth, 250-300cm ht, B, 2x, feathered, 5 breaks
B.p	6	Betula pendula	8-10cm girth, 250-300cm ht, B, 2x, feathered, 5 breaks
Q.ro	3	Quercus robur	8-10cm girth, 250-300cm ht, B, 2x, standard, cs 175-200, 3 breaks
S.a	6	Sorbus aucuparia	8-10cm girth, 250-300cm ht, B, 2x, standard, cs 175-200cm, 3 breaks

WOODLAND BUFFER MIX (1.5 m centres)				
ID	Qty	Species	%	Size (girth and height)
A.g.	99	Alnus glutinosa	10	60-80cm ht, B, 1+1, transplant, seed-raised
B.p.	197	Betula pendula	20	60-80cm ht, B, 1+1, transplant, seed-raised
P.s	49	Pinus sylvestris	5	60-80cm ht, B, 2+2, transplant, seed-raised
P.av	99	Prunus avium	10	60-80cm ht, B, 1+1, transplant, seed-raised
P.pa	99	Prunus padus	10	60-80cm ht, 2L, 1+1, transplant, seed-raised
Q.ro	296	Quercus robur	30	80-100cm ht, B, 1+2, transplant, seed-raised
S.a.	147	Sorbus aucuparia	15	60-80cm ht, B, 1+1, transplant, seed-raised

LOW BUFFER MIX (1.5 m centres)				
ID	Qty	Species	%	Size (girth and height)
C.ave	29	Corylus avellana	25	60-80cm ht, B, 1+2, 3brks, branched
C.sc	17	Cytisus scoparius	15	40-60cm ht, 3L, bushy, 7 breaks
E.eu	23	Euonymus europaeus	20	60-80cm ht, B, 1+2, transplant, seed-raised, branched, 5 breaks
S.ca.	17	Salix caprea	15	60-80cm ht, B, 0/1, cutting, branched, 2 breaks
V.op	29	Viburnum opulus	25	60-80cm ht, B, 1+2, transplant, 3 brks, branched

NATIVE HEDGEROW MIX (5 per linear metre)				
ID	Qty	Species	Size (girth and height)	%
C.av	146	Corylus avellana	40-60cm ht, B, 1+1, branched, 2 breaks	15
C.mo	342	Crataegus monogyna	40-60cm ht, B, 1+1	35
I.aq	98	Ilex aquifolium	40-60cm ht, 2L pot, leader with laterals	10
P.sp	146	Prunus spinosa	40-60cm ht, B, 1+1, branched, 2 breaks	15
R.c	49	Rosa canina	40-60cm ht, 2L, branched, 3 breaks	5
S.ca	98	Salix caprea	40-60cm ht, 2L, cutting, branched, 3 breaks	10
V.o	98	Viburnum opulus	40-60cm ht, 2L, branched, 3 breaks	10

Landscape specification

Topsoil
All soil is to be site topsoil, or imported to meet BS topsoil requirements for 'General Purpose' use.

- Topsoil depths:**
- Hedge lines: minimum 450mm depth after compaction
 - Wildflower seed areas: minimum 75mm depth after compaction

Trees
Root barriers are to be employed near services. All standard trees are to be planted in separate pits 1m x 1m x 900mm which shall be backfilled with a mixture of approved top soil and tree and shrub planting compost at a rate of one part compost to two parts topsoil. Each tree shall be planted centrally within the pit to the original root collar and secured by two untreated softwood stakes 1.4m min. length with approved ties. After planting all trees shall be watered-in and a mulch layer of 1m diameter approved forest bark spread over the tree pit to 50mm depth. A spiral guard will be fixed to the base of each tree to protect it from rabbit attack and strimmer damage.

Native Mixed Hedgerows
Hedgerow trenches shall be dug 450mm x 450mm 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 for native mixed hedgerows. 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 length (1m wide). On completion all hedge plants shall be thoroughly watered in. Mixed native hedgerows are to be protected from rabbit and deer through use of appropriate tree and/or shrub guards as required.

Woodland Buffer Mix & Low Buffer Mix
Individual pits shall be dug 450mm x 450mm x 300mm 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. 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 each pit (1m wide). On completion, all plants shall be thoroughly watered in. Area to be protected from rabbit and deer through use of appropriate tree and/or shrub guards as required.

Wildflower Seed Areas
Prior to seeding, (using machinery of a suitable scale) the ground will be harrowed and rolled, using a tine harrow in order to avoid damaging underground services. Where existing tree roots are present, shallow cultivation will be carried out to ensure roots are not damaged. However, if there are any areas which have suffered high soil compaction, for instance due to heavy machinery being deployed, these will 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. If there is an abundance of annual or perennial weeds, the site may be treated with an approved herbicide prior to seeding.

All wildflower seed areas shall be top-soiled to a minimum depth of 75mm the base for which shall be thoroughly broken up. Once placed, the topsoil shall be cultivated and fine graded to even running falls before raking and cross raking.

Seeding will take place in spring (late March to May) or autumn (August or September) following completion of construction and be broadcast by machine and rolled where possible to give good soil/seed contact.

MAINTENANCE

Trees
All trees shall be regularly checked and any broken ties, guards or stakes replaced. Mulch shall be topped up to maintain original levels. In periods of dry weather all trees shall be regularly watered to field capacity. The area around the base of each tree is to be kept mulched to 50mm depth minimum and weed free to a minimum diameter of 1m. At the end of each growing season all trees shall receive an application of slow release fertiliser. After approximately 5 years stakes and ties are to be removed once trees have established.

Native Mixed Hedgerows
All hedgerows shall be maintained weed and rubbish 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 the growing season. Mulch shall be regularly topped up to original levels. All hedge lines shall be maintained to 3m high. After approximately 5 years stakes and ties are to be removed once trees have established.

Woodland Buffer Mix & Low Buffer Mix
Buffer mixes shall be left to grow freely. All planting stock 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 planted areas shall be regularly watered in times of drought to field capacity and shall receive an application of slow release fertiliser at the end of the maintenance period. Mulch shall be regularly topped up to original levels. Any plants that fail to thrive shall be replaced with stock to the original specification. All plant stations to be watered to field capacity during periods of extended drought. Any plants that fail to thrive shall be replaced with stock to the original specification.

Wildflower Seed Areas
Any cutting of wild flower areas should follow the specific guidance as set out by the suppliers (Scotia Seeds or similar and approved), in order to maximise the success and the diverse range of grasses and wildflowers for the benefit of local wildlife.

- Notes**
- Bare root plants specified for planting during planting season only. Containerised and rootballed stock to be employed when necessary as advised by supplier;
 - No cultivation should be undertaken in wet/waterlogged conditions;
 - 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 (CPS);
 - 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.

Rev	Date	By	Note
B	070422	VR	Changes in line with ecologists' comments
A	050422	VR	Layout changes

Detailed Landscape Proposals
Drum Farm Energy Storage Facility

Client: RES Ltd. REV: B
 DRWG No: P22-0056.001 Approved by: HS
 Drawn by: VR
 Date: 25/03/2022
 Scale: 1:500 @ A1



Inset: total site extents
1:2,500