



LEGEND:

- Proposed solar arrays
- Proposed access roads
- Existing vegetation to be retained
- Wildlife Grassland Planting
- Native hedge planting
- Native tree planting

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 should be removed once trees have established. Any trees that fail to thrive shall be replaced with stock to the original specification.

Native Shrub mix:

All plants 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 plants 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. All plants shall be allowed to grow up to a minimum of 2.5m high and maintained at 2.5m+. Any plants that fail to thrive shall be replaced with stock to the original specification.

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 the maintenance period. Mulch shall be regularly topped up to original levels. All 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.

SPECIFICATION:

Existing Vegetation

All trees and hedges which are shown for retention shall be protected in accordance with guidance in BS 5837 2012 - Trees in Relation to Construction. Any tree surgery required shall also be in accordance with BS 3998 2010.

Soil

All topsoil and landscaping medium will be in accordance with BS 3882 2015. Grass areas minimum 150mm depth and tree and shrub areas min 500mm depth (plus 500mm minimum of rootable subsoil). Soil Ameliorants - to be applied to all newly planted areas. Seasure Soilbuilder or similar approved - incorporate approx 1.5kg per m2 of backfill and 70g/m2 to shrub beds, or as per manufacturers instructions. Granular Slow Release Fertiliser (Scotts Enmag 4-19-10+7.5Mg+3.4%S) or similar approved to be applied as per manufacturer's instructions.

Plant Stock

All plant material to be as specified in the Plant Schedules. All plant material to be in accordance with BS 3936 Part 1 (1992), 'Nursery Stock Specification for Trees and Shrubs', BS3936 Part 10: 1990 'Nursery Stock Specification for Ground-cover Plants', BS3969 1998 'Recommendations for Turf for General Purpose' and 'Handling and Establishing Landscape Plants' HTA 1985, revised edition March 2002. Any stock planted outside the recognised planting season to be containerised. Containerised plant stock to have fully developed root system within the specified pot size. Where growing-on in the nursery is necessary all plant material is to be re-potted to the next approved pot size, re-spaced to allow for 15-20% growth per growing season, and maintained to healthy vigorous growth irrespective of weather conditions.

Planting - Proposed Tree planting

All planting areas to be weed free prior to planting. Allow for application of approved translocated systemic herbicide in line with 1987 Control of Pesticide Regulations and 2003 COSHH. All beds to be thoroughly forked over or rotovated to a minimum depth of 400 mm, ensuring that the subgrade and topsoil are both free draining. All planting beds to be 90mm below adjacent grass/hard surfaces. Where grass is proposed, soil levels to be 10mm below or flush with adjacent surfaces.

Individual Tree Planting

Trees to be planted into prepared tree pits, backfilled with topsoil/soil ameliorants as above.

Tree Stakes:

Bareroot trees up to 12-14cm. girth to be single staked - stakes well driven into the ground minimum 300mm into bottom of tree pit. Stakes to be pressure treated, round (75cms diameter) peeled, smooth larch or similar. Trees to be secured with plastic/rubber proprietary tree tie, nailed to the stake. All stakes to be pointed at one end, extending above ground by 1/3 of the height of the ground to 1st/ branch.

Native Shrub and Hedge Planting

All whips to be planted in prepared pits 300x300x300mm. Pits to be backfilled with topsoil/soil ameliorants as above. All plants to be well firmed. Feathered trees to be single staked. All trees to be fitted with proprietary rabbit guards.

Shrubs to be planted in pits 150mm wider and deeper than their root spread. Pits to be backfilled with a mixture of topsoil/soil ameliorants as above. Plants to be a minimum of 300mm from any adjacent hard surface or structure. Where not protected by rabbit netting, shrubs to be fitted with proprietary rabbit guards.

Native Hedgerow Mix A						
Double staggered row, planted at 5 plants per linear metre (0.4m spacing, staggered)						
To be maintained at 4-5m high						
Common Name	Botanical Name	Size (cm)	% Mix	Shelter	Plant Numbers	
Crataegus monogyna	Hawthorn	40-60cm, Branched, 1+1, B		40 600mm tree guard		618
Corylus avellana	Hazel	40-60cm, Branched, 1+1, B		20 600mm tree guard		309
Prunus spinosa	Blackthorn	40-60cm, Branched, 1+1, B		15 600mm tree guard		232
Rosa canina	Dog Rose	40-60cm, Branched, 1+1, B		10 600mm tree guard		154
Ilex aquifolium	Holly	17-18cm, 2L pot		5 600mm tree guard		77
Viburnum opulus	Guellder Rose	40-60cm, Branched, 1+1, B		5 600mm tree guard		77
Malus sylvestris	Crab Apple	40-60cm, Branched, 1+1, B		5 600mm tree guard		77
			total	100		1544

Native Hedgerow Mix B						
Single row, planted at 3 plants per linear metre (0.3m spacing) - Low-Growing Form						
To be maintained at 3m high						
Common Name	Botanical Name	Size (cm)	% Mix	Shelter	Plant Numbers	
Crataegus monogyna	Hawthorn	40-60cm, Bare Root 1+1		35 600mm tree guard		61
Dogwood	Cornus sanguinea	40-60cm, Bare Root 1+1		30 600mm tree guard		52
Corylus avellana	Hazel	40-60cm, Bare Root 1+1		15 600mm tree guard		26
Rosa canina	Dog Rose	40-60cm, Bare Root 1+1		10 600mm tree guard		17
Viburnum opulus	Guellder Rose	40-60cm, Bare Root 1+1		10 600mm tree guard		17
			total	100		173

Tree Planting						
Common Name	Botanical Name	Size (cm)	Type	Shelter	Plant Numbers	
Pedunculate oak	Quercus robur	90-120 cm	Bare Root	Double staking & 60 cm rabbit guards		9
Field Maple	Acer campestre	60-90 cm	Bare Root	Double staking & 60 cm rabbit guards		7
Rowan	Sorbus aucuparia	60-90 cm	Bare Root	Double staking & 60 cm rabbit guards		8
Silver birch	Betula pendula	60-90 cm	Bare Root	Double staking & 60 cm rabbit guards		9
Gean	Prunus avium	60-90 cm	Bare Root	Double staking & 60 cm rabbit guards		6
					Total	39

