

NORMANTON LARCHES SOLAR FARM

LANDSCAPE SPECIFICATION

PREPARATION

On completion of the construction of the solar farm infrastructure all deleterious construction materials and waste products shall be removed from site. Liaise with the main contractor operator on health and safety requirements, particularly in relation to any excavations near buried electrical cables.

Make good any damaged/disturbed areas by infilling with topsoil previously stripped from hardstanding areas within the site, grading out and cultivating to marry in with existing levels. Areas to be planted shall have a minimum depth of 350 mm topsoil. If less than this, make up the deficit with topsoil from the site. By mechanical means, relieve any compaction or areas of poor drainage arising from the construction works.

PROPOSED PLANTING

Planting to be supplied in accordance with BS 3936-1:1992 Nursery Stock, specification for trees and shrubs, BS 3936-4:2007 Nursery Stock, BS 8545:2014 Trees: from nursery to independence in the landscape. All landscaping works to be in accordance with BS4428:1989 "General Landscaping Works." All planting should be UK grown and, where possible, sourced from local provenance certified stock. Planting to take place during the months of November to March, preferably before January and at a time when the soil is not frozen or waterlogged.

WOODLAND SCREEN PLANTING CLOSE TO THE HOTEL AND ALONGSIDE THE BATTERY STORAGE AND SUBSTATION COMPOUND

(Identified as W1 and W2 on the planting plan)

The plants are to be planted in a random mix in rows at 1.75m centres, with the plants within the rows at 1.75m staggered centres. Planting shall be a minimum of 15m away from the nearest battery container and the measurement must be checked on site once the containers are in place, but before planting takes place.

7%	Acer campestre	Field Maple	60 – 80cm high bare root transplant or cell grown
3%	Acer campestre	Field Maple	8 – 10cm girth bare root standard trees
7%	Acer platanoides	Norway Maple	60 – 80cm high bare root transplant or cell grown
3%	Acer platanoides	Norway Maple	60 – 80cm high bare root transplant or cell grown
7%	Betula pendula	Birch	60 – 80cm high bare root transplant or cell grown
3%	Betula pendula	Birch	8 – 10cm girth container standard trees
15%	Crataegus monogyna	Hawthorn	60 – 80cm high bare root transplant or cell grown
15%	Corylus avellana	Hazel	60 – 80cm bare root transplant or cell grown
7%	Fagus sylvatica	Beech	60 – 80cm bare root transplant or cell grown
3%	Fagus sylvatica	Beech	8 – 10cm girth bare root standard trees
5%	Ilex aquifolium	Holly	45 – 60cm high cell or pot grown
15%	Pinus sylvatica	Scots Pine	0.5 – 0.75m high bushy container plant
7%	Quercus robur	Common Oak	45 – 60cm high bare root transplant or cell grown
3%	Quercus robur	Common Oak	8 – 10cm girth container standard trees.

NATIVE SCRUB PLANTING TO SCREEN VIEWS FROM THE A614 AND ROBIN HOODS WAY

(Identified as S1, S2, S3, S4 and S5 on the planting plan)

These areas shall be planted with a random mix of the following, in rows at 1.75m centres, with the plants within the rows at 1.75m staggered centres (equates to 8 rows deep):

5%	Acer campestre	Field Maple	60 – 80cm high bare root transplant or cell grown
5%	Cornus sanguinea	Dogwood	45 – 60cm high bare root transplant or cell grown
15%	Corylus avellana	Hazel	60 – 80cm bare root transplant or cell grown
30%	Crataegus monogyna	Hawthorn	60 – 80cm high bare root transplant or cell grown
3%	Ilex aquifolium	Holly	45 – 60cm high cell or pot grown
3%	Ligustrum vulgare	Privet	45 – 60cm high bare root transplant or cell grown
10%	Prunus spinosa	Blackthorn	45 – 60cm high cell or pot grown bare root transplant
10%	Rosa canina	Dog Rose	60 – 80cm high bare root transplant or cell grown
2%	Rhamnus cathartica	Buckthorn	45 – 60cm high cell or pot grown transplant
7%	Sorbus aucuparia	Rowan	60 – 80cm high bare root transplant or cell grown
5%	Ulex europaea	Gorse	20 – 30cm high container grown
5%	Sorbus aucuparia	Rowan	60 – 80cm high bare root transplant or cell grown

RIPARIAN EDGE TO THE RIVER POULTER

(Identified as R1 on the planting plan)

To be planted as a random mix at loose spacing of 3 – 5m, averaging 1 plant per 16m².

25%	Sorbus aucuparia	Rowan	60 – 80cm high bare root transplant
20%	Cornus sanguinea	Dogwood	45 – 60cm high bare root transplant
10%	Rosa canina	Dog Rose	60 – 80cm high bare root transplant
5%	Rhamnus cathartica	Purging Buckthorn	45 – 60cm high bare root transplant
25%	Salix caprea	Goat willow	45 – 60cm high bare root transplant
15%	Salix viminalis	Osier Willow	60 – 80cm high bare root transplant

PLANTING NOTES

The transplants are to be notched into the existing topsoil and protected with a clear plastic or light green, biodegradable tree shelter, 750mm high such as a Tubex Combitube or similar (typically as a 73-105mm dia. nested set). The shelter to be secured to a softwood stake (supplier to be FSC® Certified). A 50-75mm square biodegradable mulch mat is to be fixed around the base of each tree/transplant shelter and pegged down in accordance with the suppliers' recommendations.

Holly, roses and pines to be protected with a shrub shelter.

The standard trees are to be pit planted in the positions shown and secured with a single 50mm softwood stake driven in until firm and trimmed to 1.4m above ground level and secured with a single tree tie at 1.2m height. A 50-75mm square biodegradable mulch mat is to be fixed around the base of each tree and pegged down in accordance with the suppliers' recommendations.

ENHANCEMENT OF EXISTING HEDGES

There are 490 metres length of existing low-cut hedges within the Site which will be retained. The following plants are to be planted in a random mix and spacing along either side of the hedge to enhance diversity. No plant protection required.

50 No	Cornus sanguinea	Dogwood	45 – 60cm high bare root transplant
50 No	Prunus spinosa	Blackthorn	45 – 60cm high bare root transplant
50 No	Rosa canina	Dog rose	60 – 80cm high bare root transplant
25 No	Rhamnus cathartica	Buckthorn	45 – 60cm high bare root transplant
25 No	Sambucus nigra	Elder	60 – 80cm high bare root transplant
75 No	Ulex europaea	Gorse	20 – 30cm high container grown
100 No	Vaccinium myrtillus	Bilberry	15cm high, container grown
75 No	Digitalis purpurea	Foxglove	1 litre container grown

GRASSLAND

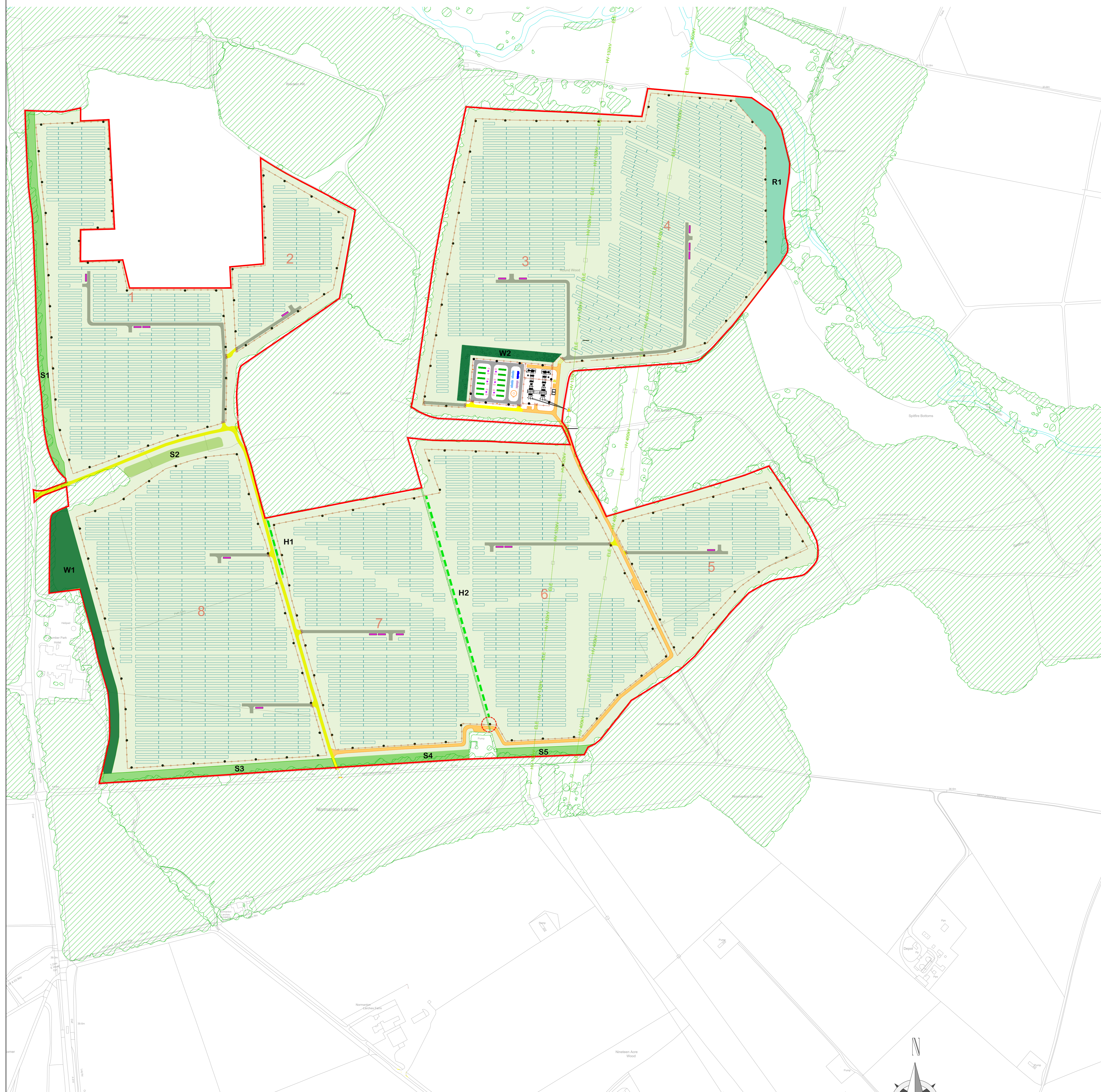
Allow the fields to lie fallow to allow the seed bank to germinate, recultivation and repeating the process until there is little regrowth of pernicious weeds. As a last resort use chemical control. If time allows the preference is to seed the bare soil with the seed mixes, allow to germinate and keep mown to a height of 100mm to provide a firm grass sward on which to build out the panels. Any subsequent damage arising due to the construction works shall be made good by relieving compaction, spreading the soil to an even grade, cultivating to an even tilth and reseeded.

If not practical to pre-seed due to program or seasons, then the ground around the panels and margins is to be cultivated to a fine tilth and sown with the following seed mixes available from wildseed.co.uk (or other supplier of a similar product to approval).

Tussocky grassland within the riparian scrub planting

Area to be sown with Emorsgate Tussock Mix EM10 at a rate of 4g/m² or similar to approval.

Area within the fenced array and between the array and either the site boundary or proposed woodland and scrub areas and among the woodland and scrub planting
To be sown with Landlife wildflower seed mix for Dry, Sandy and Loam Soils Wildflower Seeds LW3M <https://www.wildflower.co.uk/products/wildflower-seed-mixtures/00-20-wildflower-meadows-seed-mixtures/tw3-dry-sandy-and-loam-soils-00-20.html>. To be sown at a rate of 4g/m² or similar to approval.



This drawing is the copyright of ONE PLANET DEVELOPMENTS LIMITED and must not be reproduced in whole or in part or used in any manner without their written permission.
Scaled dimensions must not be taken from this drawing. All dimensions are to be confirmed on site prior to commencement of work.

Revisions:

Revision	Date	Revision Notes	Drawn	Inspected

LEGEND:

	PLANNING APPLICATION BOUNDARY
	DNO ACCESS
	EXISTING SITE ACCESS
	NEW INTERNAL ACCESS
	WATER COURSE
	PERIMETER FENCING LINE
	HV 400KV - ELE - HV 400KV
	O/H 400KV CABLE - HV 400KV - ELE - HV 400KV
	HV 132KV - ELE - HV 132KV
	O/H 132KV CABLE - HV 132KV - ELE - HV 132KV

SITE INFRASTRUCTURE:

	SECURITY GATE		MV POWER STATION
	CCTV CAMERA		CUSTOMER SWITCHGEAR
	POINT OF CONNECTION		SPARE PARTS CONTAINER
	SOLAR ARRAY		WELFARE CABIN
	132KV SUBSTATION		BESS CONTAINER
	WATER TANK		POWER CONVERSION SYSTEM
	LATTICE TOWER		TRANSFORMER
			HYDRANT

ENVIRONMENT:

	EXISTING WOODLAND RETAINED
	PROPOSED WOODLAND PLANTING (W1, W2)
	PROPOSED SCRUB PLANTING (S1, S2, S3, S4, S5)
	PROPOSED SPECIES RICH MEADOW FOR SANDY SOIL
	PROPOSED RIPARIAN SCRUB WITH TUSOCKY SPECIES RICH MEADOW (R1)
	EXISTING HEDGE TO BE ENHANCED (H1, H2)

Project:
Land Adjacent to the A614, Worksop, S80 3PA

Consultant:

©2020-2022 by One Planet Developments Limited
Biddlegate Farm, Wimborne, Dorset BH21 5RS

Drawn by:

Status: **PLANNING**

Drawing Title: **PLANTING PLAN**

Drawn: CM	Checked: CAM	First Issued: 28.03.24
Drawing Number: 571_PP_01		
Sheet Size: A0	Scale: 1:2500	Revision:

Scale: 1:2500@A0