GENERAL All plants shall conform to BS 3936 and be in accordance with the National Plant Specification. Supplying nurseries shall be registered under the HTA Nursery Certification Scheme. All plants shall be packed and transported in accordance with the Code of Practice for Plant Handling as produced by CPSE. Planting shall not be carried out when the ground is waterlogged, frostbound or during periods of cold drying winds. All bare root stock shall be root dipped in an approved water-retaining polymer. Tree planting implementation and maintenance to conform to BS 8545:2014 Trees 'From Nursery to Independence in the Landscape'. If the formation level is compacted it should be ripped through before topsoiling. Topsoil depths to be 450mm for shrub beds and 150mm for grass areas. TOPSOIL Existing Topsoil Pre-planting herbicide application:-Pre-planting nerolicide application:-Apply by suitable spraying apparatus, an approved translocated systemic herbicide to the manufacturer's instructions and to 1997 Control of Pesticides Regulations and 2002 COSHH regulations on all beds, except those which are both weed free and are to receive agrotextile sheet mulch. Spray immediately if any weeds are present. If none are showing, but there may be a delay before planting, or the area is to be seeded, spray after one month following cultivation, to allow dormant seed to terminate. All spraying shall be carried out by skilled and qualified operatives, using protective clothing, in suitable weather [no wind] and any damage caused by spray drift, from incorrect usage or spillage, shall be rectified at the contractor's own cost. Repeat as necessary to ensure complete kill and rake off all dead material from site. Carry out the following works to the existing topsoil on site to ensure it Conforms to BS 3882:2015, being free from rocks larger than 50mm diameter, concrete, all roots, wire, brick, and have less than 20% clay. Allow for pre-application of herbicide as above. Fertilize with 100g per metre square of Vitax "Nutricote 180" slow release fertilizer, in accordance with the manufacturer's instructions. For beds less than 5 metres in width, fork over thoroughly or machine rotavate soil to a depth of 200 per source and the ordenate and topscillar concentrate the cubrande and topscillar concentrate the fork over thoroughly per machine rotavate soil to a depth of 200 per source and the ordenate and topscillar concentrate the providence. For beds 300mm, ensuring that the subgrade and topsoil are completely broken up and free draining, relieving any compaction. For beds greater than 5 metres in width, break up the subgrade and topsoil using a tractor mounted subsoiler or ripper at 500mm centres to a depth of 500mm, exceept where there are services, or within 10 metres of tree stems or 3 metres of existing hedges. Do not rip areas where roots greater than 10mm diameter are encountered. Imported Topsoil Any imported topsoil for making up ground, shall conform to BS:3882:2015, and be free from rocks (over 50mm diameter), concrete, roots, wire and brick, and have less 20% clay. NATIVE SHRUB PLANTING Ground Preparation The extent of the planting area shall be set out using 38x38x1200mm timber stakes at each change in direction and at a maximum of 50m intervals. Either : for notch planting All herbaceous material within the proposed planting area shall be sprayed out using an approved herbicide at least two weeks before planting and the ground shall be cultivated to a depth of 150mm. or : for pit planting A 900mm diameter circle shall be sprayed out at each planting station using an approved herbicide at least two weeks before planting. All bare rooted stock is to be root dipped in water retaining polymer. Proposed planting is to be planted on an informal grid. To avoid straight lines each planting station can be moved by up to 300mm in any direction. Either a for shelters or b for rabbit fence a. All stock to be protected from rabbit damage using approved proprietory tree and shrub shelters, 900mm and 600mm high respectively, secured with stakes and ties as advised by the manufacturer. b. All stock to be protected from rabbit damage by 900mm high rabbit fencing erected in accordance with the manufacturers recommendations. Maintenance Using approved herbicides a 900mm diameter circle centered on each planting station shall be kept weed free throughout the maintenance period. Each Autumn after planting and until handover to the adopting authority, the contractor will prepare a list of all plants which are dead, dying or diseased and will replace these during the following planting season. NATIVE HEDGE PLANTING The hedge line shall be set out using 38x38x1200 stakes at maximum 50m intervals and all herbaceous material within 400mm of the centre line shall be sprayed out using an approved herbicide at least two weeks before planting. The 800mm wide hedge line shall be cultivated to 150mm incorporating Enmag or equal at 75gm/m2. Planting Plants shall be notch planted in two rows 250mm apart and staggered at 300mm centres.All plants are to be protected with 600mm proprietary shelter secured with a stake/cane and ties as recommended by the manufacturer. Maintenance Using approved herbicides a 800mm wide swathe centred on the hedgeline shall be kept weed free throughout the maintenance period. Each Autumn after planting and until handover to the adopting authority, the contractor will prepare a list of all plants which are dead, dying or diseased and will replace these plants during the following planting season. WILDFLOWER AND GRASSLAND MIX OUTSIDE THE DESIGNATED ECOLOGY ENHANCEMENT AREA rass seed mixtures to be sourced from certified local provenance seed stock. Ground surface will be cleared of weed growth either removed by hand or through the application of an approved Glyphosate based herbicide (all herbicides should only be handled by certified users and in accordance with the COSHH Regulations 2002). The ground will them be ploughed and raked to produce a medium tilth with debris and stones over 25mm diameter reomved. The surface shall be raked to smooth flowing contours with a fine to medium tilth. 5.2 Seeding Meadow and wildflower seed mixes shall be sown in either August -September or March -April during calm weather and not when the ground is frost bound or waterlogged. Seed shall be sown in one single sowing at the sowing rate as per supplier's recommendations (listed below). After sowing the contractor shall roll the seed into intimate contact with the soil with a ribbed Cambridge roller. EM3 Special Gen. Purpose Meadow Mixture ES02 Fine Grassland Mixture Turtle Dove Mixture Turtle Dove Mixture EM3 Special Gen. Purpose Meadow Mixture Maintenance First year management All litter should be removed from areas prior to mowing. The following procedures should not be undertaken in adverse weather conditions or if ground conditions prevent the use of machinery without damage to the ground surface. Mow newly sown meadows regularly throughout the first year of establishment. The grassland should be assessed at each wisit and mown when heights of the sward reach above 100mm. Mown the area to a height of 40-60mm.All arisings shall be deposited to a suitable location on site or an area designated by the Contracts Manager. Any bare patches shall be made good at this time. Secondary and subsequent years In the second and subsequent years EM3 sowings can be managed in a number of ways which, in association with soil fertility, will determine the character of the grassland. The best results are usually obtained by traditional meadow management based around a main summer hay cut in combination with autumn and possibly spring mowing or grazing. Meadow grassland is not cut or grazed from spring through to late July/August to give the sown species an opportunity to flower. After flowering in July or August take a 'hay cut': cut back with a scythe, petrol strimmer or tractor mower to c 50mm. Leave the 'hay' to dry and shed seed for 1-7 days then deposit to a suitable location on site or an area designated by the Contracts Manager. Mow or graze the re-growth through to late autumn/winter to c 50mm and again in spring if needed. 4 ESG2 Fine Grassland Mixture Maintenance (Farmland Stewardship Mixtures) First year management Top all plant growth (sown species and weeds) at least 3 times through the first season (removing cuttings if dense) to prevent weeds smothering the slower-growing grasses. More frequent and regular topping will minimise the amount of toppings produced each time so they can be left to disperse. Management once established Management once a grass sward is established will depend on site objectives. Follow stewardship guidelines where these apply. The low productivity of the grasses in ESG2 mean that the mowing requirement is minimised. Turtle Dove Mixture Maintenance These will be marked out during the meadow seeding above and not seeded with the other meadow mix. The strips will be cultivated again the following autumn (late August or mid-October) and seeded with a turtle dove mix that create an open sward that enables turtle doves to forage on the ground. This is seeded in autumn so that these species are at flowering and seed stage by the time turtle dove return the following spring and through the breeding season. These would then be managed in subsequent years by cutting half in late June or early July and then all the strip are scarified again in September. These need to be 'topped up' with the seed mix every two to three years, to be informed by monitoring. 6.0 WILDFLOWER AND GRASSLAND MIX WITHIN THE DESIGNATED ECOLOGY ENHANCEMENT AREA Preparation Grass seed mixtures to be sourced from certified local provenance seed stock. Ground surface will be cleared of weed growth either removed by hand or through the application of an approved Glyphosate based herbicide [all herbicides should only be handled by certified users and in accordance with the COSHH Regulations 2002]. The ground will them be ploughed and raked

IMPLEMENTATION AND MAINTENANCE GUIDELINES

 Preparation

 Grass seed mixtures to be sourced from certified local provenance seed stock. Ground surface will be cleared of weed growth either removed by hand or through the application of an approved Glyphosate based herbicide [all herbicides should only be handled by certified users and in accordance with the COSHH Regulations 2002). The ground will them be ploughed and raked to produce a medium tilth with debris and stones over 25mm diameter reomved. The surface shall be raked to smooth flowing contours with a fine to medium tilth.

 P Seeding
 Meadow and wildflower seed mixes shall be sown in either August -September or March -April during calm weather and not when the ground is frost bound or waterlogged. Seed shall be sown in one single sowing at the sowing rate as per supplier's recommendations [listed below]. After sowing the contractor shall roll the seed into intimate contact with the soil with a ribbed Cambridge roller.

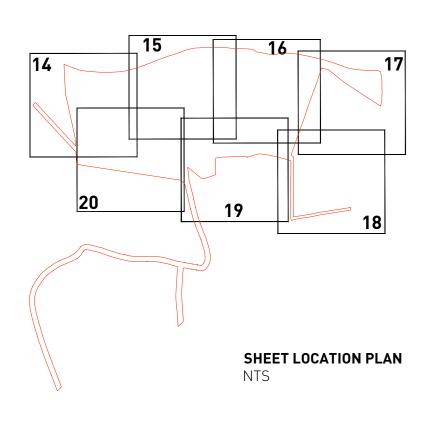
 EM8 Meadow Grass Mixture for Wetlands 4g/m2

 EG8 Meadow Grass Mixture for Wetlands 4g/m2

 EG8 Meadow Grass Mixture for Wet Soil 5g/m2

 Landscape and Ecological Management within the Designated Ecology Enhancement Area subject to Ecology Management Plan prepared by BSG Ecology.

All arisings will remain on site, excavations from the horse field areas will be relocated to the southern boundary of the solar farm in Noke field (top soil stripped, sub-soil added and topsoil reinstated).



DESIGN ENVIRONMENT PLANNING ECONOMICS HERITAGE

— 3 No.ACCA6-8cmLStd

5 No.SACAP6-8cmLStd

عالد علاد علاد علاد علاد علاد المناج الله علام علام علام علام علام علام علام علاد علاد علاد علاد

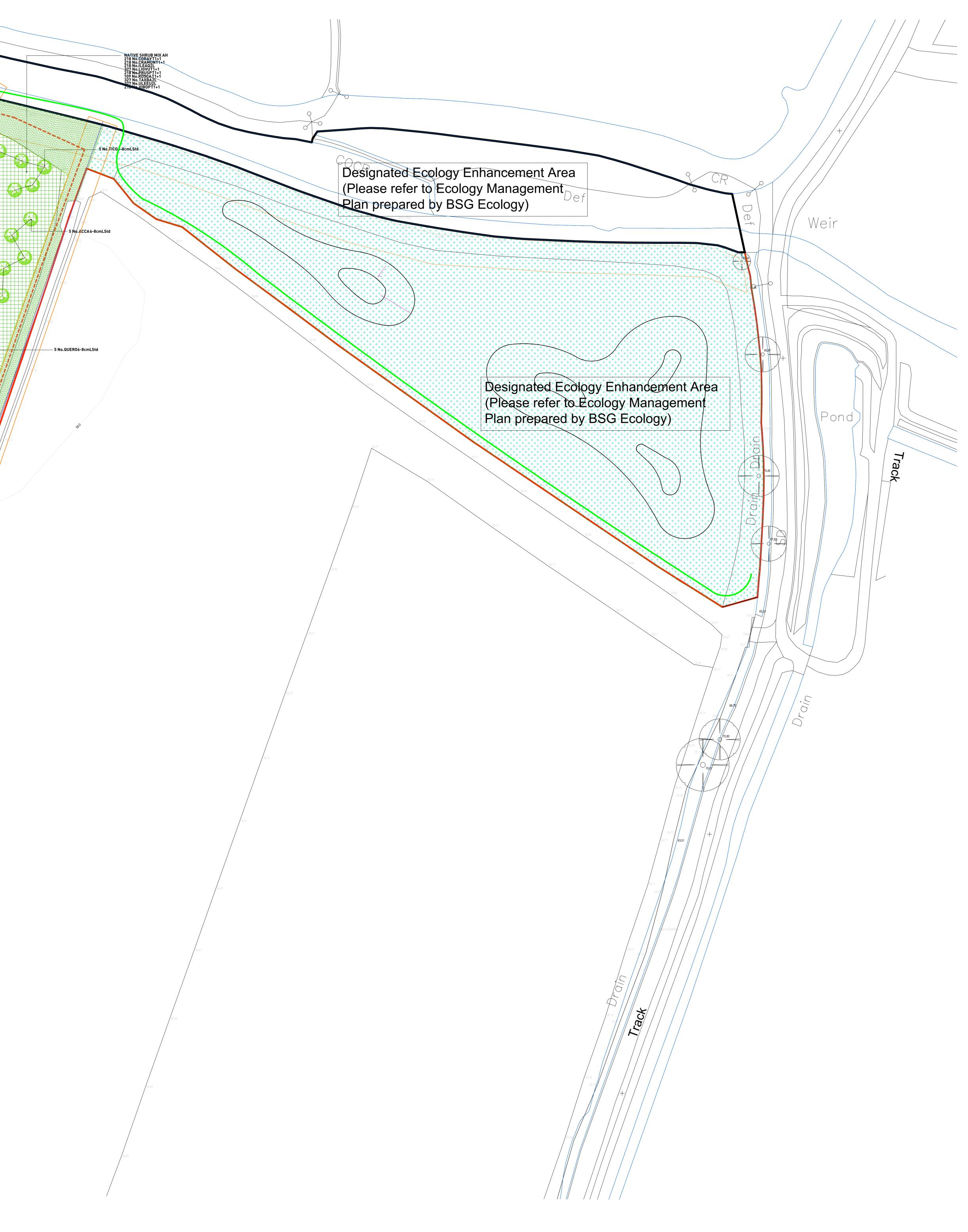
🖌 عنائد ا . אוויר \int_{a}^{b} المحمد المحمد الله المحمد المحمد المحمد المحمد المحمد الله المحمد الله المحمد الله المحمد المحم عنلك عنلك عنائد عنائد عنائد عنائد عنائد عنائد عنائد عنائد عنائد د عنائد عنائد عنائد عنائد عنائد <mark>عنائد عائد اعتائد ا</mark>

 عالد
 <th

 علال
 <t

Copyright Pegasus Planning Group Ltd. Crown copyright, All rights reserved. 2015 Emapsite Licence number 0100031673. Ordnance Survey Copyright Licence number 100042093. Promap Licence number 100020449 . Pegasus accepts no liability for any use of this document other than for its original purpose, or by the original client, or following Pegasus Group express agreement to such use. T 01285641717 **www.pegasusgroup.co.uk**

_ NATIVE SHRUB MIX AH 181 No.CORAVT1+1 181 No.CRAMONT1+1 181 No.ILEA02L 271 No.ILGVUT1+1 181 No.PRUSPT1+1 91 No.ROSCAT1+1 271 No.ULEEU2L 271 No.ULEEU2L 181 No.VIBOPT1+1



	PLANT SCHEDULE
	PROPOSED TREESABBRSPECIESCOMMON NAMESUPPLY SPECIFICATION HEIGHT (CM)GIRTHQTY (No.)ACCAAcer campestreCommon MapleLStd200–250cm6–8cm77 –ALGLAlnus glutinosaCommon alderLStd200–250cm6–8cm43 –LIGVULigustrum vulgareStd200–250cm8–10cm29 –PINSYPinus sylvestrisScots PineRB200–250cm8–10cm38 –PRAVPrunus aviumGean or Wild CherryLStd200–250cm6–8cm14 –QUEROQuercus roburCommon OakLStd200–250cm6–8cm67 –SACAPSalix capreaGoat willowLStd200–250cm6–8cm35 –TAXBATaxus baccataCommon YewRB200–250cm8–10cm38 –
	TICO Tilia cordata Littleleaf linden LStd 200-250cm 6-8cm 69 - PROPOSED NATIVE MIXED HEDGEROWS / INFILL MIXES
	MIX NAME ABBR SPECIES SUPPLY HEIGHT (CM) CENTRES (M) MIX % QTY (No.) NATIVE HEDGEROW MIX EASEMENT CORAV Corylus avellana T1+1 60-80cm 0.3Ctr Double Staggered at 0.25m offset 20% 7 - NATIVE HEDGEROW MIX EASEMENT LIGVU Ligustrum vulgare T1+1 60-80cm 0.3Ctr Double Staggered at 0.25m offset 30% 10 - NATIVE HEDGEROW MIX EASEMENT PRUSP Prunus spinosa T1+1 60-80cm 0.3Ctr Double Staggered at 0.25m offset 30% 10 - NATIVE HEDGEROW MIX EASEMENT SYAL Symphoricarpos albus T1+1 60-80cm 0.3Ctr Double Staggered at 0.25m offset 30% 10 -
	NATIVE HEDGEROW MIX ZACECAM Acer campestreT1+2175-200cm 0.3Ctr Double Staggered at 0.25m offset 10%1019 -NATIVE HEDGEROW MIX ZCORAV Corylus avellanaT1+2175-200cm 0.3Ctr Double Staggered at 0.25m offset 5%512 -NATIVE HEDGEROW MIX ZCRAMON Crataegus monogynaT1+2175-200cm 0.3Ctr Double Staggered at 0.25m offset 5%512 -NATIVE HEDGEROW MIX ZILEAQIlex aquifolium5L175-200cm 0.3Ctr Double Staggered at 0.25m offset 50%5074 -NATIVE HEDGEROW MIX ZPRUSPPrunus spinosaT1+2175-200cm 0.3Ctr Double Staggered at 0.25m offset 20%2033 -NATIVE HEDGEROW MIX ZROSCARosa caninaT1+2175-200cm 0.3Ctr Double Staggered at 0.25m offset 5%512 -
	PROPOSED NATIVE SHRUB MIXESMIX NAMEABBRSPECIESSUPPLYHEIGHT (CM)HABITCENTRES (M)MIX % QTY (No.)NATIVE SHRUB MIX AHCORAVCorylus avellanaT1+160-80cmTransplant1Ctr10%2454 -NATIVE SHRUB MIX AHCRAMON Crataegus monogynaT1+160-80cmTransplant1Ctr10%2454 -NATIVE SHRUB MIX AHILEAQIlex aquifolium2L60-80cmBushy1Ctr10%2454 -NATIVE SHRUB MIX AHLIGVULigustrum vulgareT1+160-80cmTransplant1Ctr15%3676 -NATIVE SHRUB MIX AHPRUSPPrunus spinosaT1+160-80cmTransplant1Ctr10%2454 -NATIVE SHRUB MIX AHPRUSPPrunus spinosaT1+160-80cmTransplant1Ctr10%2454 -NATIVE SHRUB MIX AHPRUSPPrunus spinosaT1+160-80cmTransplant1Ctr10%2454 -NATIVE SHRUB MIX AHTAXBATaxus baccata2L30-40cmBushy1Ctr15%3676 -
	NATIVE SHRUB MIX AHULEEUUlex europaeus2L30-40cmBushy1Ctr15%3676 -NATIVE SHRUB MIX AHVIBOPViburnum opulusT1+160-80cmTransplant1Ctr10%2454 -NATIVE SHRUB MIX EASEMENT CBERCAN Berberis candidula2L30-40cm1Ctr40%34 -NATIVE SHRUB MIX EASEMENT CEUOEPSEuonymus europaeus2L40-60cm1Ctr30%26 -NATIVE SHRUB MIX EASEMENT CVIBOPViburnum opulus2L60-80cm1Ctr30%26 -
	PROPOSED WILDFLOWER MEADOW (or similar approved) MIX NAME SEED MIX SUPPLIER AREA DENSITY EM3 — Special Gen. Purpose Meadow Emorsgate Seeds 26362.0243m² 4g/m²
	MEADOW GRASS MIXTURE FOR WET SOILS(or similar approved) MIX NAME SEED MIX SUPPLIER AREA DENSITY EG8 —MEADOW GRASS MIXTURE FOR WET SOILS Emorsgate Seeds 30900.7264m² 5g/m²
علاد علاد علاد علاد . الد علاد علاد علاد علاد	MEADOW MIXTURE FOR CLAY SOILS (or similar approved) MIX NAME SEED MIX SUPPLIER AREA DENSITY EM4—Meadow Mixture for Clay Soils Emorsgate Seeds 309415.6476m² 4g/m²
	PROPOSED TURTLE DOVE HIXTURE (or similar approved) SPECIES MIX (%) Early English common vetch 25% Bird's-foot trefoil 20% Early white clover 20% Black medick 20% Early red clover 10% Furmitory 5% SEED MIX SUPPLIER:www.kiscrops.co.uk AREA: 1606.136 sqm
	NOTES All trees, feature shrubs, climbers, shrubs and hedgerows to be planted in accordance with the implementation and maintenance guidelines. <u>All landscape proposals must be referred to by the</u> <u>Structural Engineer during foundation design.</u> No tree, feature shrub, climber, shrub and hedgerow species, size or location should be altered without prior approval from the Landscape Architect Individual shrub/herbaceous/grass species to be planted in groups of 3-7.
	 Individual species within ornamental shrub mixes to be planted in groups of 5-9. Lower growing species within ornamental shrub mixes to be planted at the front of the shrub bed (as indicated). Individual bubbs species to alternate every 2 linear metres. Native hedgerow shrubs to be supplied as bareroot stock unless stated. Hedgerow shrubs to be planted within a 80cm wide bed and mulched. Any native hedgerow shrubs to be planted on a double staggered row, 250mm apart with no less than 6 per linear metre within a 50cm wide bed in accordance with implementation and maintenance guidelines. Any feathered stock is to have a upright central stem furnished with evenly spread and balanced lateral growth the full length of the stem. If feathered hedgerow stock
	is proposed, shrubs are to be attached to a double line support (one for feathered stock at 1m high and one for transplant stock at 60cm high) fence using an approved clip tie and cut back to 1.2m in height at time of planting. Pond marginal planting to be sourced from certified local provenance plant stock. Soiling operations to be carried out in accordance with the implementation and maintenance guidelines. All planting to be in accordance with the implementation and maintenance guidelines. No species, variety, size or position to be amended without the Landscape Architects prior approval. Before trees are planted, the Landscape Contractor shall ascertain the location of drains from the site manager, and shall if necessary make minor adjustments to tree positions to ensure that
	they are planted at least 1.5m from drains. They should however be planted no closer to houses/garages than is shown on the drawing, and if shown located in shrub beds, the shape of the latter should be adjusted if necessary to accommodate the revised tree position. - All planting must be mulched in accordance with the implementation and maintenance guidelines. - If planting is required outside the October-March season, bare root shrubs will be replaced by 3L pot grown plants, and trees will be replaced by a containerised equivalent to be approved by the project landscape architect.
	KEY Site boundary
	Existing trees and vegetation to be retained
	Existing trees and vegetation to be removed
	Existing grassland to be retained
	Soft landscape proposals Refer to plant schedule for details.
	Existing public right of way
	Existing electricity pylons and powerlines (11kv)
	Existing electricity pylons and powerlines (33kv)
	Existing waterbodies
	Proposed perimeter fencing 2.1m high
	Proposed 4m wide EM3 meadow mixture buffer around perimeter fencing
	Proposed 1m wide EM3 meadow mixture buffer around perimeter fencing
	Proposed location of solar modules
	Proposed operational service tracks - access from NOKE village utilising
	existing agricultural access track Spares cabin
	Inverters and associated infrastructure
	CCTV cameras
	Grid connection point
	Underground DNO cable route
	Permissive footpath route
	Indicative permanent wetland habitat (The max depth to be 600mm and depths vary throughout between the islands at varying depths, the gradient to be 1:20, subject to engineer's detailed design)
*	Timber footbridge 1m wide hardwood timber footbridge with handrails and anti slip surface to comply with BS 5400, BS 5268 & BS 6180:2011. Bridge span to be determined by bridge engineer. As supplied by CTS bridges or similar approved manufacturer.
	 H- (10/02/2023 WM) Updated seed mix. G- (12/11/2021 WM) Updated to the latest layout. F- (30/09/2021 WM) Updated to the client's comments.
	E- [30/09/2021 WM] Updated to the client's comments. D- [24/09/2021 WM] Updated to the client's comments. C- [09/09/2021 WM] Updated to the client and design team comments. B- [06/09/2021 WM] Updated to the client and design team comments. A- [20/08/2021 WM] Updated to the latest site layout. Revisions: First Issue- 28/04/2021 WM
	Land at Manor Farm, Noke, Oxfordshire

Detailed Soft Landscape Proposals (sheet 4 of 7) Drawing Ref: P19-2636_17H Client: Oxford New Energy Deta 28/06/2021

 Date
 : 28/04/2021

 Drawn by
 : WM

 Scale
 : 1 : 500 @ A0

021 d A0