## IMPLEMENTATION AND MAINTENANCE GUIDELINES

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,

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.

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 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, except 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.

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.

## 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

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.

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.

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. 600mm proprietary shelter secured with a stake/cane and ties as recommended by the manufacturer.

Using approved herbicides a 800mm wide swathe centred on the hedgeline shall be kept weed free throughout the maintenance period.

### WILDFLOWER AND GRASSLAND MIX OUTSIDE THE DESIGNATED ECOLOGY ENHANCEMENT AREA

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.

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 4g/m2 - ESG2 Fine Grassland Mixture 2g/m2 - Turtle Dove Mixture 3g/m2

### EM3 Special Gen. Purpose Meadow Mixture Maintenance

suitable location on site or an area designated by the Contracts Manager. Any bare patches shall be made good at this time.

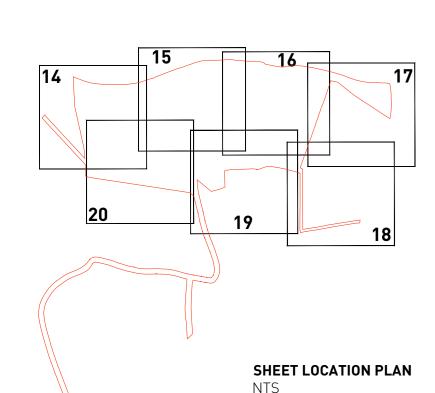
around a main summer hay cut in combination with autumn and possibly spring mowing or grazing. Meadow grassland is not cut or grazed from spring through to late July/August to give the sown species an opportunity to flower. After flowering in July or August take a 'hay cut': cut back with a scythe, petrol 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.

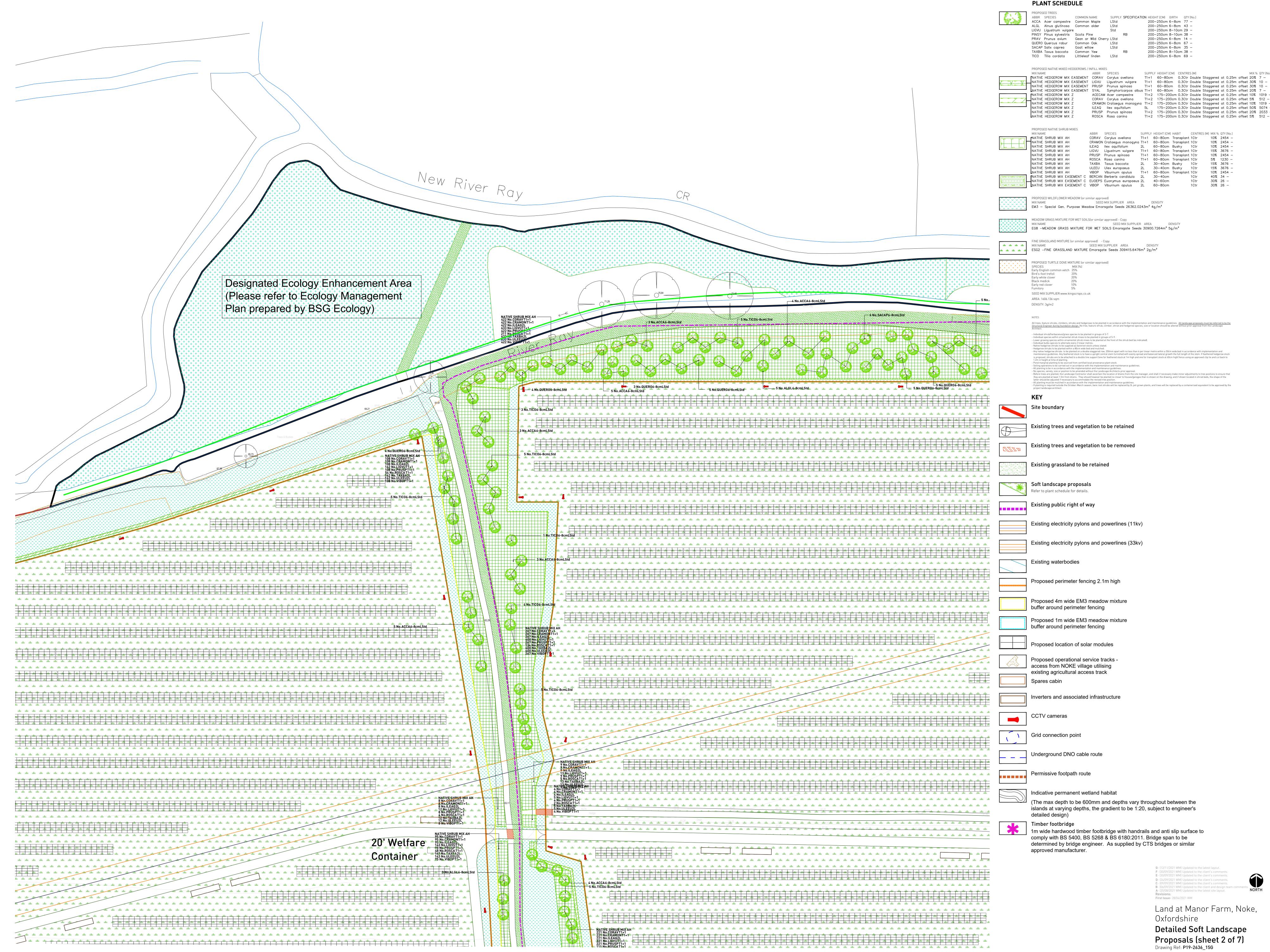
.0 WILDFLOWER AND GRASSLAND MIX WITHIN THE DESIGNATED ECOLOGY ENHANCEMENT AREA

EG8 Meadow Grass Mixture for Wet Soil 5g/m2 Landscape and Ecological Management within the Designated Ecology Enhancement Area subject to

All arisings will remain on site, excavations from the boundary of the solar farm in Noke field (top soil

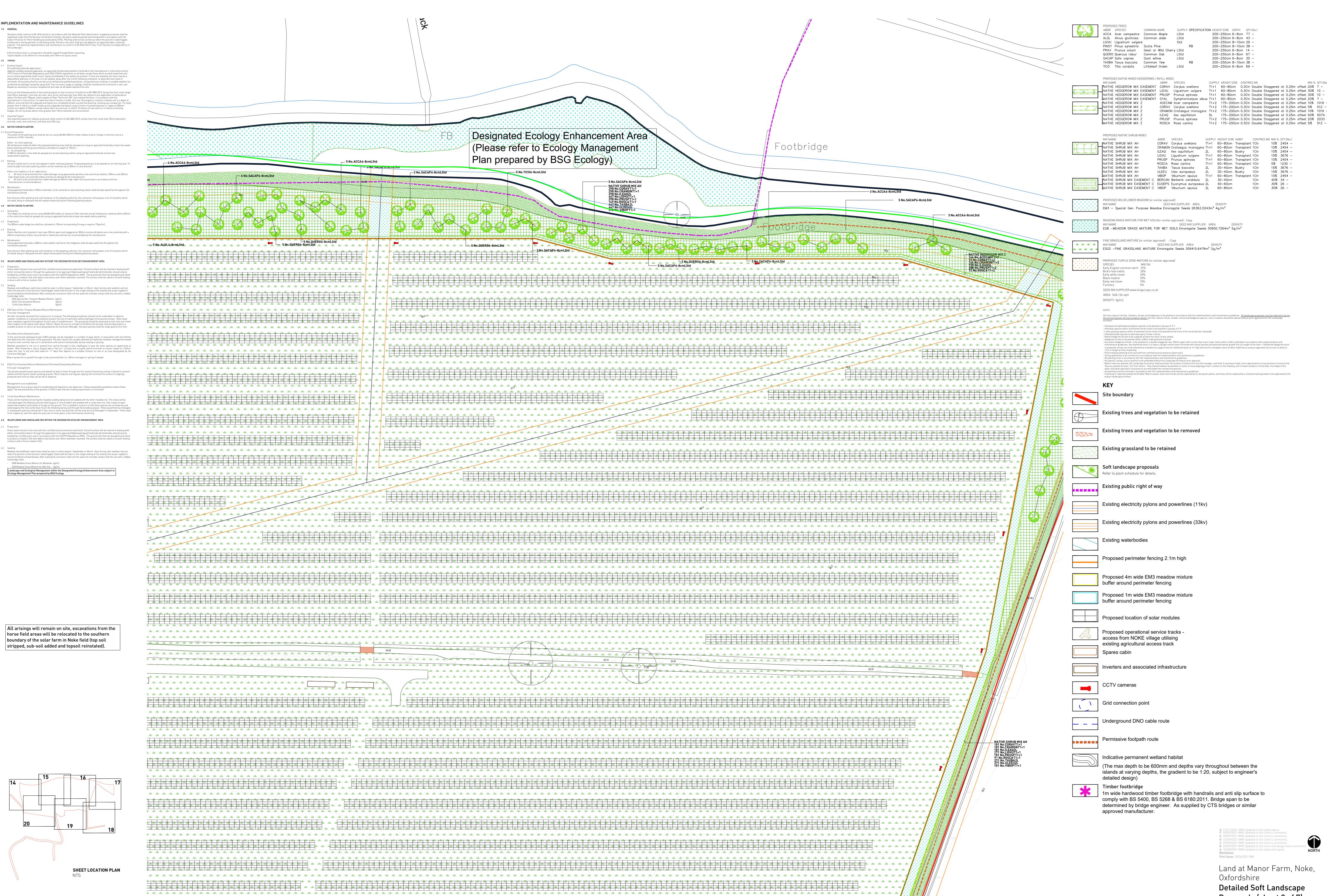
stripped, sub-soil added and topsoil reinstated).





1Ctr 30% 26 -

Drawn by : WM



Land at Manor Farm, Noke, Oxfordshire

Detailed Soft Landscape

Proposals (sheet 3 of 7)

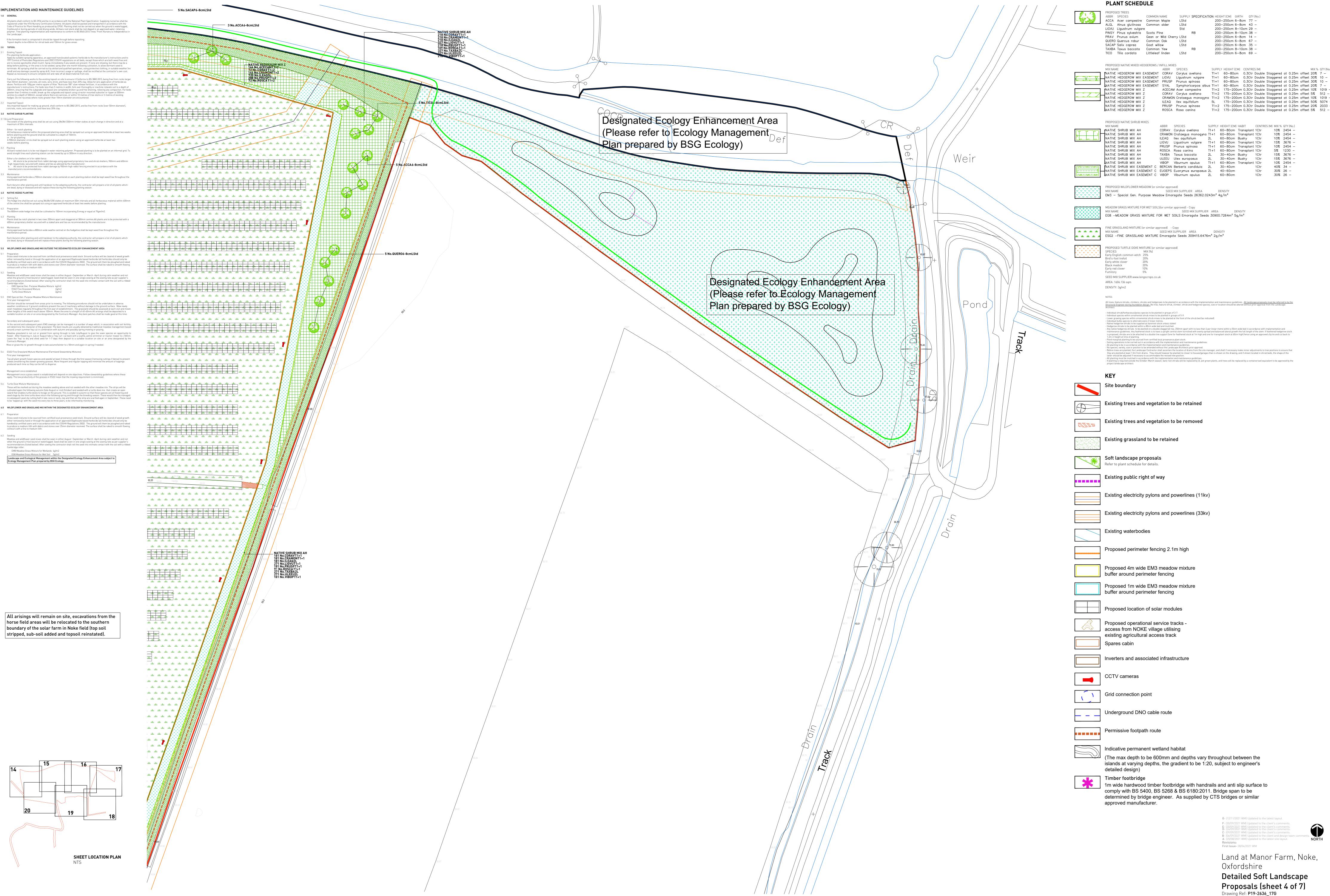
Drawing Ref: P19-2636\_16G

Client: Oxford New Energy

Date : 28/04/2021
Drawn by : WM

Pegasus

Group



DESIGN SANUTONINGNI PLANNING SCANONICS

Client: Oxford New Energy

Date : 28/04/2021

Drawn by : WM

Pegasus

Group

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Scale

## IMPLEMENTATION AND MAINTENANCE GUIDELINES 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, Topsoil depths to be 450mm for shrub beds and 150mm for grass areas. 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 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, except 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. 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. .0 NATIVE SHRUB PLANTING 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 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. 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. 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. Plants shall be notch planted in two rows 250mm apart and staggered at 300mm centres. All plants are to be protected with a 600mm proprietary shelter secured with a stake/cane and ties as recommended by the manufacturer. 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

contours with a fine to medium tilth.

Secondary and subsequent years

First year management

Management once established

- EM8 Meadow Grass Mixture for Wetlands 4g/m2

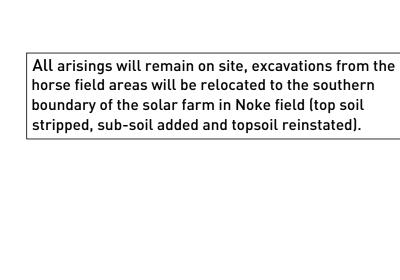
- ESG2 Fine Grassland Mixture 2g/m2 - Turtle Dove Mixture 3g/m2 EM3 Special Gen. Purpose Meadow Mixture Maintenance

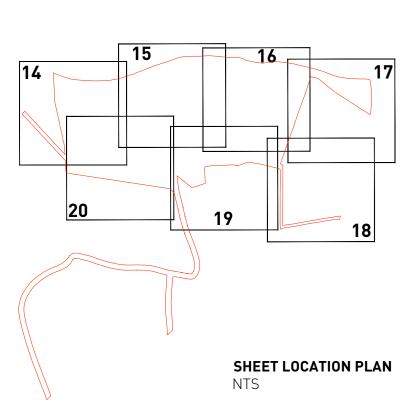
5.4 ESG2 Fine Grassland Mixture Maintenance (Farmland Stewardship Mixtures)

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 CO6-8cmLStd 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 4g/m2 All litter should be removed from areas prior to mowing. The following procedures should not be undertaken in adverse suitable location on site or an area designated by the Contracts Manager. Any bare patches shall be made good at this time. 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. 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 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. 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 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 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. - EG8 Meadow Grass Mixture for Wet Soil 5g/m2

Landscape and Ecological Management within the Designated Ecology Enhancement Area subject to







**PLANT SCHEDULE** 

ABBR SPECIES COMMON NAME SUPPLY SPECIFICATION HEIGHT (CM) GIRTH QTY (No.) 200-250cm 6-8cm 77 -ACCA Acer campestre Common Maple LStd ALGL Alnus glutinosa Common alder LStd 200-250cm 6-8cm 43 -LIGVU Ligustrum vulgare 200-250cm 8-10cm 29 -PINSY Pinus sylvestris Scots Pine 200-250cm 8-10cm 38 -PRAV Prunus avium Gean or Wild Cherry LStd 200-250cm 6-8cm 14 -QUERO Quercus robur Common Oak LStd 200-250cm 6-8cm 67 -SACAP Salix caprea Goat willow LStd 200-250cm 6-8cm 35 -TAXBA Taxus baccata Common Yew RB 200-250cm 8-10cm 38 -TICO Tilia cordata Littleleaf linden LStd 200-250cm 6-8cm 69 -

PROPOSED NATIVE MIXED HEDGEROWS / INFILL MIXES 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 20% 7 -NATIVE HEDGEROW MIX Z ACECAM Acer campestre T1+2 175-200cm 0.3Ctr Double Staggered at 0.25m offset 10% 1019 -NATIVE HEDGEROW MIX Z CORAV Corylus avellana T1+2 175-200cm 0.3Ctr Double Staggered at 0.25m offset 5% 512 -CRAMON Crataegus monogyna T1+2 175-200cm 0.3Ctr Double Staggered at 0.25m offset 10% 1019 -NATIVE HEDGEROW MIX Z NATIVE HEDGEROW MIX 7 ILEAQ llex aquifolium 5L 175-200cm 0.3Ctr Double Staggered at 0.25m offset 50% 5074 -NATIVE HEDGEROW MIX Z PRUSP Prunus spinosa T1+2 175-200cm 0.3Ctr Double Staggered at 0.25m offset 20% 2033 -ROSCA Rosa canina T1+2 175-200cm 0.3Ctr Double Staggered at 0.25m offset 5% 512 -LNATIVE HEDGEROW MIX Z

PROPOSED NATIVE SHRUB MIXES ABBR SPECIES SUPPLY HEIGHT (CM) HABIT CENTRES (M) MIX % QTY (No.) TNATIVE SHRUB MIX AH CORAV Corylus avellana T1+1 60-80cm Transplant 1Ctr 10% 2454 -NATIVE SHRUB MIX AH CRAMON Crataegus monogyna T1+1 60-80cm Transplant 1Ctr 10% 2454 -NATIVE SHRUB MIX AH ILEAQ Ilex aquifolium 2L 60-80cm Bushy 1Ctr 10% 2454 -LIGVU Ligustrum vulgare T1+1 60-80cm Transplant 1Ctr 15% 3676 -NATIVE SHRUB MIX AH NATIVE SHRUB MIX AH PRUSP Prunus spinosa T1+1 60-80cm Transplant 1Ctr 10% 2454 -ROSCA Rosa canina T1+1 60-80cm Transplant 1Ctr 5% 1230 -NATIVE SHRUB MIX AH TAXBA Taxus baccata 2L 30-40cm Bushy 1Ctr 15% 3676 -NATIVE SHRUB MIX AH ULEEU Ulex europaeus 2L 30-40cm Bushy 1Ctr 15% 3676 -NATIVE SHRUB MIX AH INATIVE SHRUB MIX AH VIBOP Viburnum opulus T1+1 60-80cm Transplant 1Ctr 10% 2454 -NATIVE SHRUB MIX EASEMENT C BERCAN Berberis candidula 2L 30-40cm 1Ctr 40% 34 -NATIVE SHRUB MIX EASEMENT C EUOEPS Euonymus europaeus 2L 40-60cm 1Ctr 30% 26 -LNATIVE SHRUB MIX EASEMENT C VIBOP Viburnum opulus 2L 60-80cm 1Ctr 30% 26 -

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) - Copy SEED MIX SUPPLIER AREA DENSITY EG8 -MEADOW GRASS MIXTURE FOR WET SOILS Emorsgate Seeds 30900.7264m2 5g/m2

FINE GRASSLAND MIXTURE (or similar approved) - Copy MIX NAME SEED MIX SUPPLIER AREA DENSITY سلا مللا مللا مللا مللا مللا 业业业业 ■ ESG2 -FINE GRASSLAND MIXTURE Emorsgate Seeds 309415.6476m² 2g/m²

> PROPOSED TURTLE DOVE MIXTURE (or similar approved) Bird's-foot trefoil Early white clover Black medick

Early red clover SEED MIX SUPPLIER:www.kingscrops.co.uk AREA: 1606.136 sqm DENSITY: 3g/m2

PROPOSED WILDFLOWER MEADOW (or similar approved)

NOTES All trees, feature shrubs, climbers, shrubs and hedgerows to be planted in accordance with the implementation and maintenance guidelines. All landscape proposals must be referred to by the Structural Engineer during foundation design. 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).

Soiling operations to be carried out in accordance with the implementation and maintenance guidelines.

 - Soling 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 the 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 accompand to the present on position. 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

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 operational service tracks -

Proposed location of solar modules

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.



Land at Manor Farm, Noke, Oxfordshire **Detailed Soft Landscape** Proposals (sheet 5 of 7) Drawing Ref: **P19-2636\_18G** Client: Oxford New Energy Pegasus

Drawn by : WM : 1 : 500 @ A0 Scale

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