

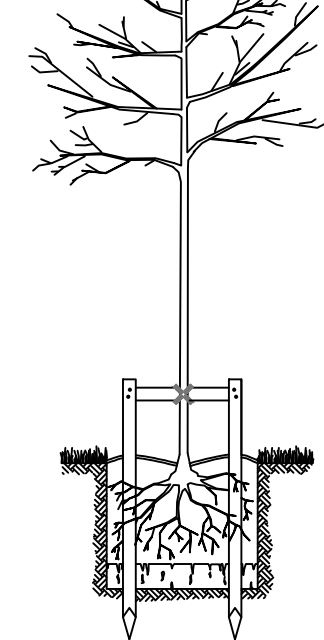
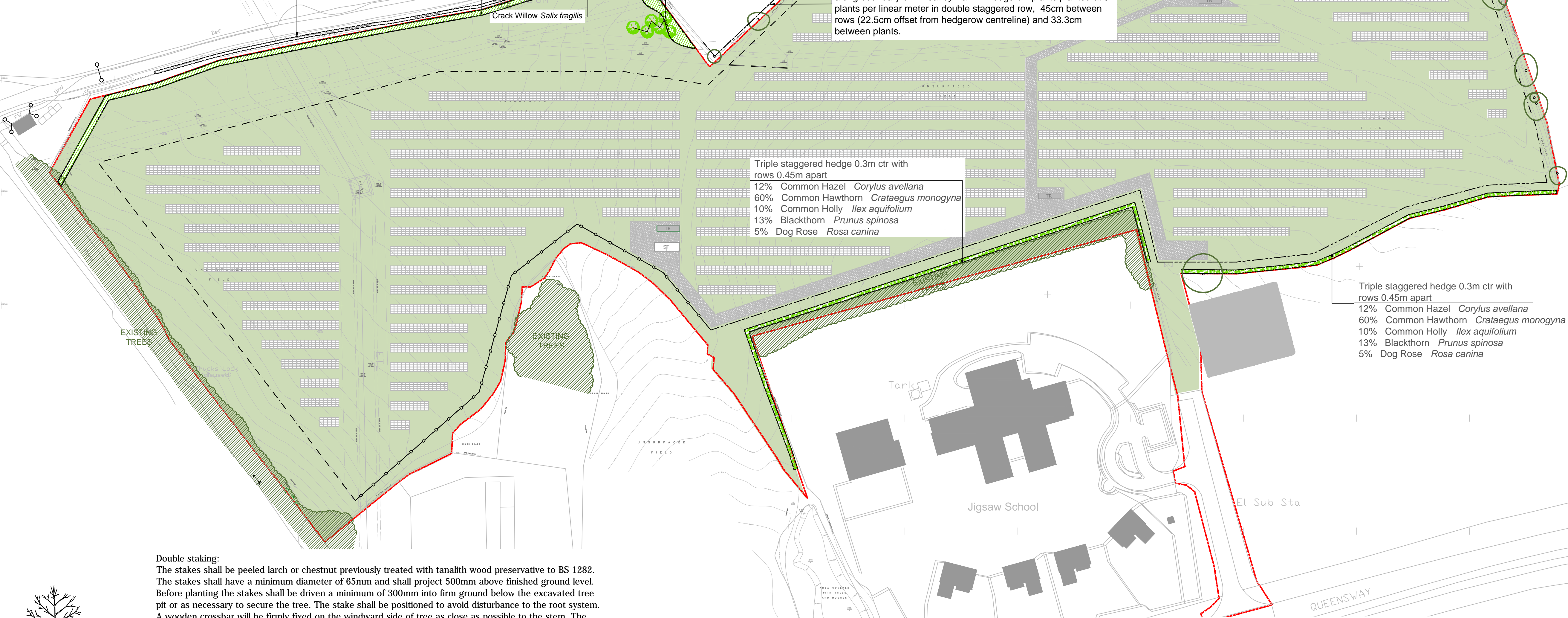
NOTES:

- 1.0 GENERAL
1.1 DRAWING BASED ON NOVUS DRAWING RS.0, REV 5.3
1.2 DRAWING TO BE READ IN CONJUNCTION WITH DRAWING AND DOCUMENTS:
AIA/WLT/11/13 ARBORICULTURAL IMPACT ASSESSMENT, 8TH JAN 2014, SHIELD ARBORICULTURAL CONSULTANCY
1.3 HARD LANDSCAPE TO BE SPECIFIED BY OTHERS
1.4 ALL PLANTING SHALL BE UNDERTAKEN IN ACCORDANCE WITH BS 4428. PLANTS SHALL BE SUPPLIED IN ACCORDANCE WITH THE NATIONAL PLANT SPECIFICATION
1.5 LABELING AND INFORMATION TO BE IN ACCORDANCE WITH BS 3936.

- 2.0 EXISTING VEGETATION
2.1 ALL EXISTING VEGETATION TO BE PROTECTED BY FENCING DURING CONSTRUCTION WORKS IN ACCORDANCE WITH BS 5837:2012 TREES IN RELATION TO DESIGN, DEMOLITION AND CONSTRUCTION - RECOMMENDATIONS AND THE WYG ARBORICULTURAL REPORT.
2.2 SOIL BENEATH EXISTING TREES AND WITHIN THE CONSTRUCTION EXCLUSION ZONE TO BE CULTIVATED TO DEPTH OF 150MM WHERE NECESSARY TO ALLOW FOR PLANTING AND SEEDING. CULTIVATION WORK WITHIN THE ROOT PROTECTION AREA TO BE UNDERTAKEN USING HAND TOOLS ONLY. NO TRACKED OR WHEELED VEHICLES ARE TO BE USED. NO CHEMICALS OF ANY DESCRIPTION ARE TO BE USED. DURING HAND CULTIVATION WORK CARE TO BE TAKEN NOT TO DAMAGE ROOTS. SMALL ROOTS AT SURFACE TO BE REMOVED ONLY.
2.3 NO TOPSOIL STRIPPING, LOWERING OR RAISING OF LEVELS OF ANY DESCRIPTION IS TO OCCUR WITHIN THE ROOT PROTECTION AREA OF ANY RETAINED TREES. REFER TO TREE CONSTRAINTS PLAN AND TREE PROTECTION PLAN FOR THE ROOT PROTECTION AREAS OF THE TREES.
2.4 RETAINED WOODLAND VEGETATION: EXISTING TREE AND SHRUB VEGETATION MIGHT BE SUBJECT TO REFRESH WORKS INCLUDING THE REMOVAL OF WEAK AND SUPPRESSED SPECIMENS TO ENHANCE GROWING CONDITIONS OF OF RETAINED INDIVIDUALS. SCOPE OF REFRESH WORKS TO BE AGREED ON SITE.
2.5 ARBORICULTURAL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH RECOMMENDATIONS BY A CERTIFIED ARBORICULTURIST AFTER AN ON-SITE INSPECTION WHERE TREES TO BE RETAINED OR REMOVED ARE MARKED RESPECTIVELY. TREE SURGERY WORKS TO BE CARRIED OUT BY A CERTIFIED CHAINSAW OPERATIVE. ALL WORKS SHALL BE SUPERVISED BY A CERTIFIED ARBORICULTURIST.

- 3.0 SITE PREPARATION AND TOPSOIL REQUIREMENTS
3.1 SHRUB PLANTING AREAS TO RECEIVE 400MM TOPSOIL AND GRADED TO BE APPROXIMATELY 75MM BELOW ANY ADJACENT SURFACES.
3.2 GRASS SEEDING AREAS TO RECEIVE A MINIMUM OF 150MM TOPSOIL OVER SUBSOIL/CLASS 2 LANDSCAPE FILL.
3.3 TOPSOIL TO COMPLY WITH BS 3882. HANDLING OF TOPSOIL TO COMPLY WITH 3882 ANNEXE N2.
3.4 TREE PITS TO RECEIVE TOPSOIL.
3.5 ALL TOPSOILED AREAS TO BE CLEARED OF ROCKS AND RUBBLE LARGER THAN 50MM DIAMETER AND OTHER DEBRIS THAT MAY INTERFERE WITH THE ESTABLISHMENT OF PLANTS.
4.0 PLANTING
4.1 ALL APPROVED PROPOSED SPECIES SHALL BE TRUE TO TYPE.
4.2 SHRUBS TO BE PLANTED AT SCHEDULED DENSITIES. NATIVE SHRUB MIXES TO BE PLANTED IN SINGLE SPECIES GROUPS OF 5-15NO.
4.3 ALL PLANTS TO BE WATERED THOROUGHLY PRIOR TO PLANTING.
4.4 BAREROOT AND CONTAINERISED SHRUB AND HEDGE STOCK PIT SIZE TO BE MINIMUM 75MM WIDER AND 75MM DEEPER THAN ROOT SYSTEM WITH THE BASE OF THE PIT BROKEN UP TO 75MM DEPTH. TREE PIT FOR NURSERY SUPPLIED TREES TO BE 75MM DEEPER THAN ROOT SYSTEM AND WIDE ENOUGH TO ACCOMMODATE ROOT SYSTEM WHEN FULLY SPREAD TO RELIEVE ANY COMPACTION THE WALLS AND BASE OF EACH PIT WILL BE LOOSENED PRIOR TO BACK FILLING. BACKFILL WITH A MIX OF TOPSOIL (TO BS 3882:2007) MULTI PURPOSE GRADE AND AN ADDITIONAL 30% AMELIORANT/CONDITIONER AND SLOW RELEASE FERTILISER.
4.5 DURING CULTIVATION MULTIPURPOSE COMPOST TO 50MM DEPTH TO BE INCORPORATED TO ALL SHRUB AND TREE PLANTING AREAS.
4.6 ALL TREES IN SOFT LANDSCAPED AREAS TO BE DOUBLE STAKED USING 1.2M LONG, 75MM DIAMETER ROUNDED TREE STAKES, WITH 75MM HALF ROUNDED CROSS BAR AND TIED WITH RUBBER TIES AND SPACERS. STAKES NOT TO EXTEND MORE THAN 500MM ABOVE GROUND LEVEL.

Proposed native species hedgerow planted to fill gaps in existing hedgerow. Hedgerow plants planted at 5 plants per linear meter in double staggered row, 45cm between rows (22.5cm offset from hedgerow centreline) and 33.3cm between plants.



Double staking:
The stakes shall be peeled larch or chestnut previously treated with tanalith wood preservative to BS 1282. The stakes shall have a minimum diameter of 65mm and shall project 500mm above finished ground level. Before planting the stakes shall be driven a minimum of 300mm into firm ground below the excavated tree pit or as necessary to secure the tree. The stake shall be positioned to avoid disturbance to the root system. A wooden crossbar will be firmly fixed on the windward side of tree as close as possible to the stem. The tree will be secured to the crossbar with a suitable tree tie positioned to prevent any abrasion between cross bar and tree.

Trees within grass areas will be top-dressed with 75mm settled depth of medium grade bark mulch to prevent weed growth, improve establishment and prevent the need for grass cutting close to the stem, therefore avoiding mower/trimmer damage.

Tree pit for nursery supplied trees to be 75mm deeper than root system and wide enough to accommodate root system when fully spread. To relieve any compaction the walls and base of each pit will be loosened prior to back filling. Backfill with a mix of topsoil (to BS 3882:2007) multi purpose grade and an additional 30% ameliorant/conditioner and slow release fertiliser.

Break up bottom of pit to a depth of 150mm.

DETAIL 1: TREE PIT FOR EXTRA HEAVY STANDARD TREES
Scale 1:50

- 5.0 TREE AND SHRUB PROTECTION
5.1 ALL PLANTS WILL BE PROTECTED FROM RABBITS (IF REQUIRED) WITH A 600MM HIGH SHELTER/GUARD AT A DIAMETER TO SUIT THE PLANT STOCK, AND SUPPORTED BY A CANE.
6.0 SERVICES
6.1 LOCATION OF PROPOSED SERVICES ARE NOT CURRENTLY AVAILABLE. APPROPRIATE EASEMENTS TO BE IMPLEMENTED BETWEEN ALL PLANTING AND PROPOSED AND EXISTING SERVICES. ROOT BARRIERS ARE TO BE USED WHERE TREES ARE LOCATED WITHIN 2 METRES OF PROPOSED AND EXISTING SERVICE OR FOUNDATIONS OF PROPOSED BUILDINGS. VEGETATION IS TO BE MAINTAINED TO A MAXIMUM HEIGHT OF 2.5M BELOW OVERHEAD PYLONS.
7.0 DEFECTS PERIOD TO BE 12 MONTHS. MAINTENANCE PERIOD TO LAST FOR THE LIFETIME OF THE SOLAR FARM AND SHALL INCLUDE WATERING, MAKING GOOD 100% DEFECTIVE PLANTING AND ALL HORTICULTURAL OPERATIONS NECESSARY FOR SUCCESSFUL ESTABLISHMENT INCLUDING WEED CONTROL.

Proposed native species hedgerow planted to fill gaps in existing hedgerow. Hedgerow plants planted at 5 plants per liner metre in double staggered row, 45cm between rows (22.5cm offset from hedgerow centreline) and 33.3cm between plants.

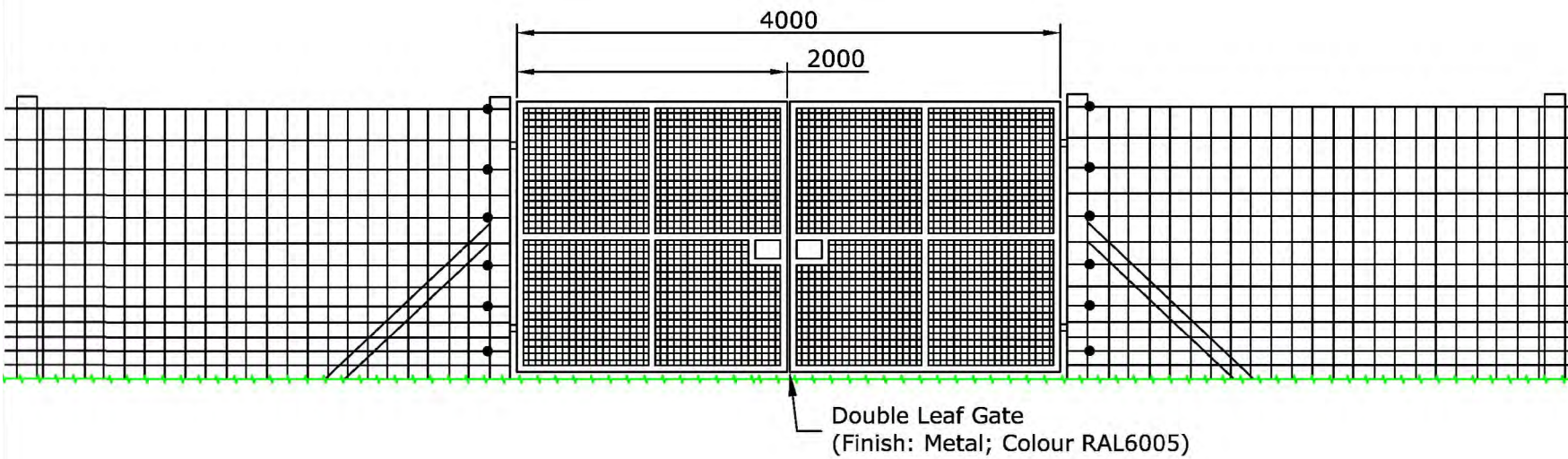
Triple staggered hedge 0.3m ctr with rows 0.45m apart
10% Common Hazel *Corylus avellana*
60% Common Hawthorn *Crataegus monogyna*
8% Common Holly *Ilex aquifolium*
13% Blackthorn *Prunus spinosa*
6% Common Oak *Quercus robur*
3% Dog Rose *Rosa canina*

Native Shrub Planting maintained below 2.5m height.
10% Common Dogwood *Cornus sanguinea*
10% Common Hazel *Corylus avellana*
20% Common Hawthorn *Crataegus monogyna*
20% Common Holly *Ilex aquifolium*
20% Common Privet *Ligustrum vulgare*
10% Sweetbriar *Rosa rubiginosa*
10% Guelder Rose *Viburnum opulus*

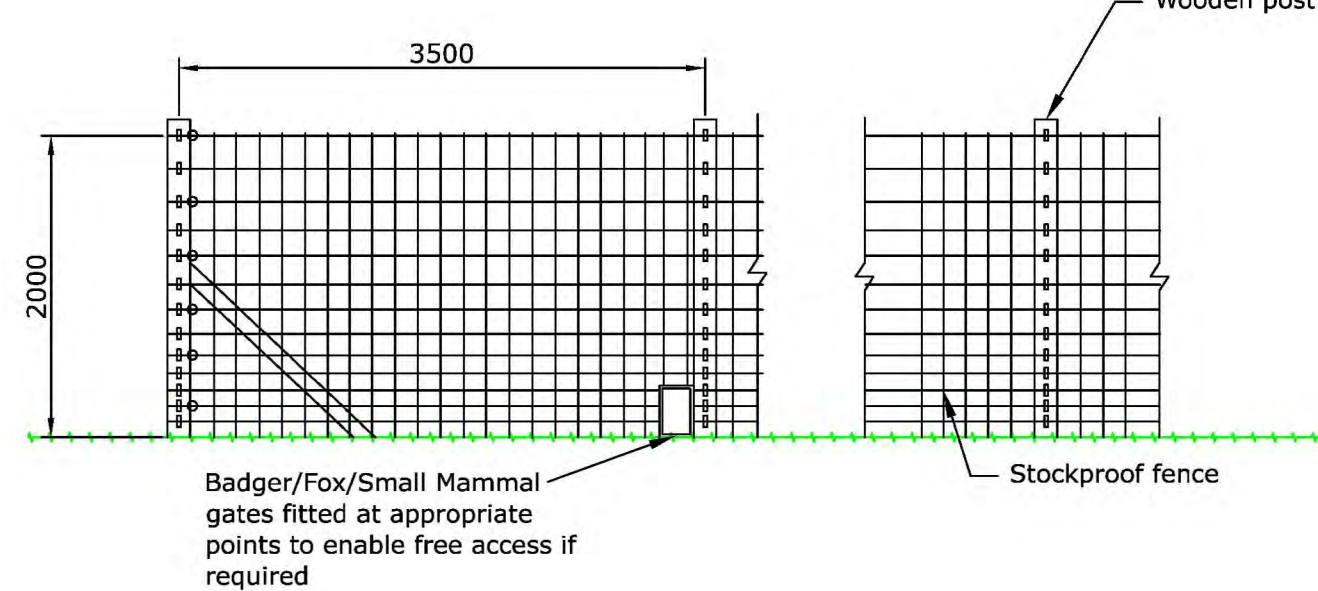
Proposed hedgerow planting to fill gaps in existing hedgerow along boundary of Wheatley Barn. Hedgerow plants planted at 5 plants per linear meter in double staggered row, 45cm between rows (22.5cm offset from hedgerow centreline) and 33.3cm between plants.

Triple staggered hedge 0.3m ctr with rows 0.45m apart
12% Common Hazel *Corylus avellana*
60% Common Hawthorn *Crataegus monogyna*
10% Common Holly *Ilex aquifolium*
13% Blackthorn *Prunus spinosa*
5% Dog Rose *Rosa canina*

Triple staggered hedge 0.3m ctr with rows 0.45m apart
12% Common Hazel *Corylus avellana*
60% Common Hawthorn *Crataegus monogyna*
10% Common Holly *Ilex aquifolium*
13% Blackthorn *Prunus spinosa*
5% Dog Rose *Rosa canina*



DETAIL 2: FENCING & GATE DETAIL
Scale 1:50



DO NOT SCALE: CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ANY OMISSIONS OR ERRORS

LEGEND

- SITE BOUNDARY
- EXISTING WOODLAND TO BE RETAINED AND PROTECTED IN ACCORDANCE WITH BS5837:2012. REFER TO ARBORICULTURAL IMPACT ASSESSMENT (REF:AIA/WLT/08/13) FOR TREE/WOODLAND PROTECTION DETAIL
- EXISTING TREE AND HEDGEROWS TO BE RETAINED AND PROTECTED IN ACCORDANCE WITH BS5837:2012. REFER TO ARBORICULTURAL IMPACT ASSESSMENT (REF:AIA/WLT/11/13) FOR TREE/WOODLAND PROTECTION DETAIL
- PROPOSED SOLAR PANELS AND INVERTERS. REFER TO DRAWING RS.0, REV 5.3, NOVUS
- PROPOSED DEER FENCE
- PROPOSED MESH FENCE
- PROPOSED PALISADE FENCE
- PROPOSED TREE PLANTING COMPRISING:
Acer campestre FIELD MAPLE
Betula pendula COMMON BIRCH
Quercus robur COMMON OAK
Salix fragilis CRACK WILLOW
- PROPOSED NATIVE SPECIES HEDGEROW COMPRISING:
12% Corylus avellana HAZEL
60% Crataegus monogyna HAWTHORN
10% Ilex aquifolium COMMON HOLLY
13% Prunus spinosa BLACKTHORN
5% Rosa canina DOG ROSE
- PROPOSED NATIVE SHRUB PLANTING COMPRISING:
10% Cornus sanguinea DOGWOOD
10% Corylus avellana HAZEL
20% Crataegus monogyna HAWTHORN
20% Ilex aquifolium COMMON HOLLY
20% Ligustrum vulgare COMMON PRIVET
10% Rosa rubiginosa SWEET BRIAR
10% Viburnum opulus GUELDER ROSE
- SHRUB PLANTING STOCK WILL BE 60-80CM SIZE BARE ROOT STOCK (WITH THE EXCEPTION OF HOLLY WHICH WILL BE 30-40CM SIZE IN 9CM POT) AND PLANTED TO ACHIEVE 7 PLANTS PER LINEAR METRE.
- PROPOSED AMENITY GRASSLAND (e.g. British Seed Houses A4 Low Maintenance Areas mix)

C	Revisions following comments from client	NR	MA	PH	10.02.14
B	Revisions following consultation	NR	MA	PH	04.02.14
A	Revisions following comments from Client & Novus Energy	NR	MA	EJ	13.01.14
REV	DESCRIPTION	BY	CHK	APP	DATE



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Project:

Wheat Leasows, Telford

Drawing Title:

Soft Landscape Proposals

Scale @ 1:1000	A1	Drawn NR	Date JAN 14	Checked EJ	Date JAN 14	Approved MA	Date JAN 14
Project No. A083107	Office 41	Type 24	Drawing No. LA01	Revision C			