PLANTING SPECIFICATION

PLANTS AND PLANTING

All plants and planting to comply with the requirements of all current/relevant British Standard Specifications including BS 3936: Parts 1 & 4 (Nursery Stock) and BS 4428: 1989 (General Landscape Operations). All planting to be carried out within the recognised planting season (November to March). All to be British Grown stock and fully hardened off. All native species to be of local origin (Forestry Commission Seed Zone 304/403).

Root Dip

Proprietary root dip applied to all bare-rooted stock (1) at time of lifting at nursery and (2) prior to planting.

Watering

Thoroughly water-in all new plants immediately after planting.

Tree Stakes and Ties

Stakes - to be pressure treated, round, smooth and peeled Larch or Chestnut, not less than 100mm diameter. Use proprietary tree ties applied in accordance with manufacturer's recommendations.

Hedgerow Planting

Hedging plants to be planted in trenches wide enough to allow for full root spread. Set out plants as scheduled in a double staggered row using a total of 5 plants per linear metre. Rows to be set 450mm apart.

Tree & shrub protection

All newly planted stock to be fully protected from rabbit damage by the use of proprietary tree/shrub guards applied in accordance with the manufacturer's recommendations. All newly planted stock to be fully protected from browsing livestock, where applicable, by the installation of permanent stockproof fencing. Rabbit proof fencing may be used as an alternative to individual tree guards.

GRASS SEEDING

Generally to BS 4428.

Grading & Cultivation

When topsoil is reasonably dry and workable grade to smooth flowing contours removing all minor hollows and ridges. Cultivate soil to full depth and break up any compacted topsoil.

Final Cultivation and Sowing

Reduce top 25mm of topsoil to a fine tilth by further cultivation. Remove stones exceeding 100mm in any dimension. Sow approved grass seed mixture in accordance with supplier's recommendations during appropriate season and weather conditions. Lightly harrow or rake then roll and cross-roll with a lightweight roller.

Seed Mixtures

See planting schedule.
All seed mixtures to be sown at manufacturer's recommended rates.

TIMETABLE: All new planting and seeding to be completed within 12 months of completion of development.

LANDSCAPE MAINTENANCE & MANAGEMENT

Trees and hedgerows

Regular visits (Years 1-5) required to maintain all newly planted stock in a weed free condition. A 30cm wide strip along each side of the hedges and a 1m diameter ring around each individual plant is to be maintained in a weed free condition using a combination of repeated applications of an approved translocated systemic herbicide during the growing season followed by an approved residual herbicide application during late winter/early spring.

Planting generally: Any plants affected by frost heave or wind rock shall be re-firmed. Protective fencing, stakes, ties and tree guards are to be checked at each visit and adjusted, repaired or replaced as necessary. Other maintenance will include watering, pest and disease control as necessary to maintain healthy growth.

Hedgerow trimming: In the second or third year new hedging plants should be hand trimmed to an even height of approximately 750mm to encourage side shoots and the development of a sound base to the hedge. For the following two or three years, the leaders should be allowed to grow unhindered and the sides lightly trimmed only if necessary. After the first 5 years, mechanical hedge trimming can commence with hedges being cut every three years back to a height of approximately 3.0m. Hedge cutting operations should be programmed to avoid the bird nesting season (March to July) as it is an offence to harm nesting wild birds. Care should be taken to avoid damage to hedgerow trees and these should be tagged to make them more obvious to the hedge trimming operator.

Replacement Planting

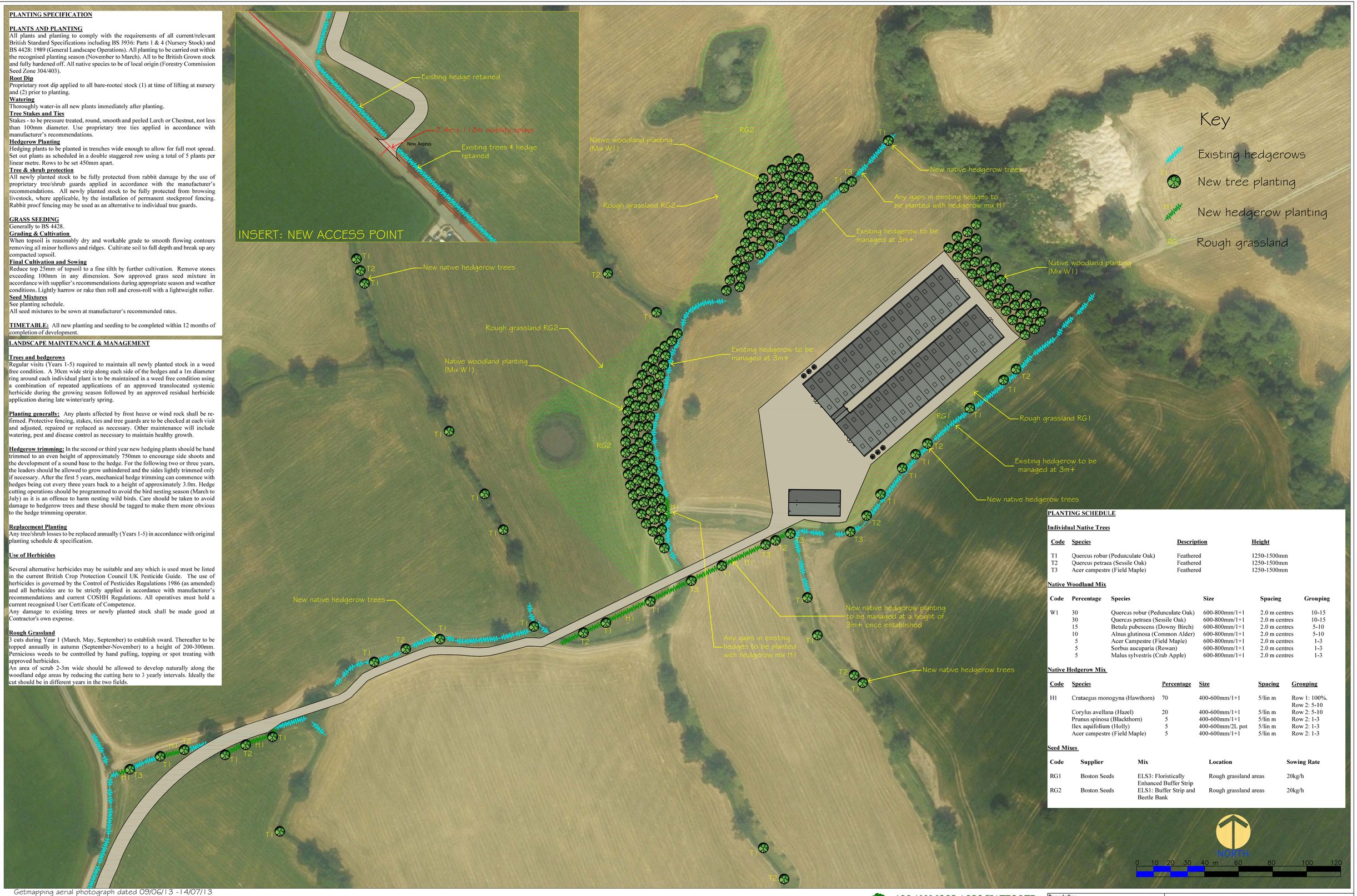
Any tree/shrub losses to be replaced annually (Years 1-5) in accordance with original planting schedule & specification.

Use of Herbicides

Several alternative herbicides may be suitable and any which is used must be listed in the current British Crop Protection Council UK Pesticide Guide. The use of herbicides is governed by the Control of Pesticides Regulations 1986 (as amended) and all herbicides are to be strictly applied in accordance with manufacturer's recommendations and current COSHH Regulations. All operatives must hold a current recognised User Certificate of Competence.
Any damage to existing trees or newly planted stock shall be made good at Contractor's own expense.

Rough Grassland

3 cuts during Year 1 (March, May, September) to establish sward. Thereafter to be topped annually in autumn (September-November) to a height of 200-300mm. Pernicious weeds to be controlled by hand pulling, topping or spot treating with approved herbicides.
An area of scrub 2-3m wide should be allowed to develop naturally along the woodland edge areas by reducing the cutting here to 3 yearly intervals. Ideally the cut should be in different years in the two fields.



PLANTING SCHEDULE

Individual Native Trees

Code	Species	Description	Height
T1	Quercus robur (Pedunculate Oak)	Feathered	1250-1500mm
T2	Quercus petraea (Sessile Oak)	Feathered	1250-1500mm
T3	Acer campestre (Field Maple)	Feathered	1250-1500mm

Native Woodland Mix

Code	Percentage	Species	Size	Spacing	Grouping
W1	30	Quercus robur (Pedunculate Oak)	600-800mm/1+1	2.0 m centres	10-15
	30	Quercus petraea (Sessile Oak)	600-800mm/1+1	2.0 m centres	10-15
	15	Betula pubescens (Downy Birch)	600-800mm/1+1	2.0 m centres	5-10
	10	Alnus glutinosa (Common Alder)	600-800mm/1+1	2.0 m centres	5-10
	5	Acer Campestre (Field Maple)	600-800mm/1+1	2.0 m centres	1-3
	5	Sorbus aucuparia (Rowan)	600-800mm/1+1	2.0 m centres	1-3
	5	Malus sylvestris (Crab Apple)	600-800mm/1+1	2.0 m centres	1-3

Native Hedgerow Mix

Code	Species	Percentage	Size	Spacing	Grouping
H1	Crataegus monogyna (Hawthorn)	70	400-600mm/1+1	5/lin m	Row 1: 100%, Row 2: 5-10
	Corylus avellana (Hazel)	20	400-600mm/1+1	5/lin m	Row 2: 5-10
	Prunus spinosa (Blackthorn)	5	400-600mm/1+1	5/lin m	Row 2: 1-3
	Ilex aquifolium (Holly)	5	400-600mm/2L pot	5/lin m	Row 2: 1-3
	Acer campestre (Field Maple)	5	400-600mm/1+1	5/lin m	Row 2: 1-3

Seed Mixes

Code	Supplier	Mix	Location	Sowing Rate
RG1	Boston Seeds	ELS3: Floristically Enhanced Buffer Strip	Rough grassland areas	20kg/h
RG2	Boston Seeds	ELS1: Buffer Strip and Beetle Bank	Rough grassland areas	20kg/h

Getmapping aerial photograph dated 09/06/13 - 14/07/13

Rev B: GCN compensation planting added (02/02/18).
Rev A: Access road amendment (11/09/17).

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Description: Proposed Poultry Development at Mulsford Farm, Malpas	Drawing Name: Landscape Proposals	
	Dwg number: 1488.04	Rev: B
Drawn by: AM	Scale(s): 1:1000 @ A1 size	Date: 02/02/18