All Shrub and hedge planting areas to have 450mm depth of good quality topsoil.

All grass areas to have 150mm depth of good quality topsoil.

Wildflower seed (EM1) or similar approved, by landscape architect, to be sown into prepared subsoil.

All plants to be maintained weed free with trees having 1m² kept weed free around base bare and free of vegetation for 3 years after planting.

North

Electrically operated double field entrance gate and pedestrian gate

retained access to meadow area

retained access to orchard area

Wildflower Meadow

Traditional Orchard with MM106 rootstock Apple, Pear Plum, Quince trees, under planted with wildflowers

Traditional Orchard with MM106 rootstock Apple, Pear Plum, Quince trees, under planted with wildflowers

Proposed Native Hedge
12 No.Acer campestre 10%
17 No.Corylus avellana 15%
4 No.Crataegus monogyna 3%
9 No.Cornus sanguinea 8%
17 No.Ligustrum vulgare 15%
17 No.Crataegus monogyna 15%
9 No.Fagus sylvatica 8%
4 No.Prunus spinosa 3%
9 No.Ligustrum vulgare 8%
9 No.Lonicera periclymenum 8%
9 No.Prunus avium 8%
4 No.Rosa canina 3%
4 No.Sambucus nigra 3%
10 No.Taxus baccata 9%
9 No.Viburnum lantana 8%
9 No.Viburnum opulus 8%

New hedge behind post and rail fencing
7 No.Carpinus betulus 20%
7 No.Carpinus betulus 20%
17 No.Fagus sylvatica 'Purpurea' 50%
3 No.Ilex aquifolium 10%

New hedge behind post and rail fencing
17 No.Skimmia japonica 'Rubella' 50%
17 No.Skimmia japonica 'Nymans' 50%

New hedge behind post and rail fencing
12 No.Carpinus betulus 20%
12 No.Carpinus betulus 20%
28 No.Fagus sylvatica 'Purpurea' 50%
6 No.Ilex aquifolium 10%

New hedge behind post and rail fencing
20 No.Carpinus betulus 20%
20 No.Carpinus betulus 20%
49 No.Fagus sylvatica 'Purpurea' 50%
10 No.Ilex aquifolium 10%

New hedge behind post and rail fencing
2 No.Carpinus betulus 20%
2 No.Carpinus betulus 20%
5 No.Fagus sylvatica 'Purpurea' 50%
1 No.Ilex aquifolium 10%

New hedge behind post and rail fencing
13 No.Carpinus betulus 20%
13 No.Carpinus betulus 20%
32 No.Fagus sylvatica 'Purpurea' 50%
7 No.Ilex aquifolium 10%

New hedge behind post and rail fencing
22 No.Carpinus betulus 20%
22 No.Carpinus betulus 20%
54 No.Fagus sylvatica 'Purpurea' 50%
11 No.Ilex aquifolium 10%

New hedge behind post and rail fencing
8 No.Carpinus betulus 20%
8 No.Carpinus betulus 20%
19 No.Fagus sylvatica 'Purpurea' 50%
4 No.Ilex aquifolium 10%

New hedge behind post and rail fencing
23 No.Carpinus betulus 20%
23 No.Carpinus betulus 20%
53 No.Fagus sylvatica 'Purpurea' 50%
12 No.Ilex aquifolium 10%

Proposed Native Hedge
53 No.Acer campestre 7%
90 No.Corylus avellana 12%
45 No.Cornus sanguinea 6%
45 No.Cornus sanguinea 3%
90 No.Corylus avellana 12%
72 No.Crataegus laevigata 9%
45 No.Crataegus monogyna 10%
45 No.Fagus sylvatica 6%
72 No.Ilex aquifolium 8%
45 No.Ligustrum vulgare 5%
45 No.Lonicera periclymenum 5%
45 No.Prunus spinosa 5%
18 No.Rosa canina 2%
18 No.Sambucus nigra 2%
45 No.Taxus baccata 5%
45 No.Viburnum lantana 5%
45 No.Viburnum opulus 5%

1 No.Pear 'Glou Morceau'
1 No.Ficus carica 'Brown Turkey'
1 No.Pear 'Beth'
1 No.Apple 'Worcester Pearmain'
1 No.Apple 'Winter Gem'
1 No.Apple 'Elstar'
1 No.Medlar 'Nottingham'
1 No.Plum 'Opal'
1 No.Apple 'Beauty of Kent'
1 No.Cherry 'Penny'
1 No.Mulberry 'King James'
1 No.Malus 'John Downie'
1 No.Pear 'Doyenne du Commice'
1 No.Plum 'Coe's Golden Drop'
1 No.Apple 'James Grieve'
1 No.Apple 'Katy'
1 No.Quince 'Meeches Prolific'
1 No.Damson 'Farleigh'
1 No.Pear 'Comice'
1 No.Apple 'Egremont Russet'
1 No.Apple 'Fiesta'
1 No.Plum 'Victoria'
1 No.Pear 'Williams'
1 No.Apple 'Bramley'
1 No.Acer campestre
1 No.Apple 'Discovery'
1 No.Plum 'Early Rivers'

1 No.Malus floribunda
2 No.Malus floribunda
5 No.Quercus robur
2 No.Quercus robur
1 No.Tilia cordata
2 No.Tilia cordata
4 No.Sorbus aucup. 'Sheerwater Seedling'
4 No.Skimmia japonica 'Rubella'
16 No.Skimmia japonica 'Nymans'
13 No.Nobe 'Mrs Winder'
6 No.Quercus robur
1 No.Quercus robur
1 No.Alnus incana
3 No.Betula pendula
2 No.Acer campestre
3 No.Betula pendula
3 No.Tilia cordata
3 No.Alnus incana
3 No.Betula pendula

5 4 3 2 1 0 5 10 15m

Outer edge of tree pit
Timber boards
Rootball
7 strand galvanised
7 strand galvanised cross wires
300
PLAN (not to scale)
Remove all impervious material prior to planting
200-300
300
Ground level
Drainage of pit to be provided by 0.25 cu.ft. of rock to be filled with loose
300
Water reservoir
Rootball
Break up sides of pit
Geotextile filter membrane under bottom mixing of soil and stone
Metal angle
Base of pit crowned to centre and broken up
Tree is to be orientated in the same direction as it was in the nursery
Topsoil backfill to maximum depth of 700mm. Subsoil/free-draining material to be used below this depth
Nursery soil level maintained
SECTION (not to scale)

1. Dig and prepare the tree pit as shown above,
2. Position the tree, place the metal angle in position and partly drive them.The stakes should be 1.2-1.4m long by metal (galvanised angle iron or metal (galvanised angle iron) fencing standards 1.2-1.4m long, 40x40x5mm with 10mm diameter hole 50-75mm from top, and pointed at the other end).
3. Place a wooden frame, or boards of any sound timber, across the rootball. Cut them to length.
4. Fasten 6mm diameter 7 strand galvanised wire to the stakes and join by means of cross wires.
5. Drive the stakes until all wires are taut.
6. For adjustment, the tops of the stakes should be left near the final surface levels, where they may be driven further; or adjustment may be carried out by drawing the main wires together by means of the cross wires.

Title: TREE PLANTING: SEMI-MATURE TREES
Scale: NTS

BS 4031: Recommendations for transplanting semi-mature trees

Recommended pit sizes are; 12-20cm girth, 1m sq. x 0.75m deep

Planting Schedule

Trees					
Number	Species	Height	Pot Size	Specification	Girth
12 -	Quercus robur	3.5-3.5m		Heavy Standard 3x RB	16-18cm
6 -	Acer campestre	60-80cm		1+1 OG	
10 -	Ligustrum vulgare	60-80cm		1+1 OG	
114 -	Lonicera periclymenum	80-100cm		1+1 OG	
59 -	Prunus spinosa	80-100cm		1+1 OG	
9 -	Fagus sylvatica	3.5-3.5m	25-45L	Clear Stem 150-175	10-12cm
9 -	Betula pendula	3.5-3.5m		Heavy Standard 3x RB	14-16cm
7 -	Acer campestre	3.5-3.5m		Heavy Standard 3x RB	14-16cm
6 -	Tilia cordata	3.5-3.5m	25-45L	Clear Stem 150-175 2x RB or DG	10-12cm
5 -	Alnus incana	4.0-4.5m	45-90L	2x RB	16-18cm
1 -	Malus floribunde			MM106 Root stock Half Standard or Maiden	
1 -	Apple 'Discovery'			Jaspi Root Stock Half Standard or Maiden	
1 -	Plum 'Early Rivers'			Pyrodwarf Root Stock Half Standard or Maiden	
1 -	Apple 'Egremont Russet'			MM106 Root stock Half Standard or Maiden	
1 -	Apple 'Fiesta'			MM106 Root stock Half Standard or Maiden	
1 -	Plum 'Victoria'			MM106 Root stock Half Standard or Maiden	
1 -	Apple 'James Grieve'			MM106 Root stock Half Standard or Maiden	
1 -	Apple 'Beauty of Kent'			Quince A Root Stock Half Standard or Maiden	
1 -	Quince 'Meeches Prolific'			M9 Pollen A Root Stock Half Standard or Maiden	
1 -	Damson 'Farleigh'			MM106 Root stock Half Standard or Maiden	
1 -	Apple 'Katy'			MM106 Root stock Half Standard or Maiden	
1 -	Apple 'Winter Gem'			Pyrodwarf Root Stock Half Standard or Maiden	
1 -	Pear 'Doyenne du Commice'			Quince A Root Stock Half Standard or Maiden	
1 -	Pear 'Glou Morceau'			Quince A Root Stock Half Standard or Maiden	
1 -	Cherry 'Penny'			Quince A Root Stock Half Standard or Maiden	
1 -	Medlar 'Nottingham'				
1 -	Mulberry 'King James'			Adaptabil Root Stock Half Standard or Maiden	
1 -	Plum 'Opal'			Adaptabil Root Stock Half Standard or Maiden	
1 -	Plum 'Coe's Golden Drop'				
1 -	Ficus carica 'Brown Turkey'			MM106 Root stock Half Standard or Maiden	
1 -	Apple 'Elstar'			Pyrodwarf Root Stock Half Standard or Maiden	
1 -	Apple 'Worcester Pearmain'			MM106 Root stock Half Standard or Maiden	
214 -	Carpinus betulus	60-80cm		1+1 OG	
262 -	Fagus sylvatica 'Purpurea'	60-80cm		1+1 OG	
50 -	Ilex aquifolium	80-100cm	1+1 OG		
1 -	Sorbus aucup. 'Sheerwater Seedling'	3.5-3.5m	25-45L	Heavy Standard Clear Stem 175-200 2x RB	18-20cm
1 -	Acer campestre	3.5-3.5m	25-45L	2x RB or cg Clear Stem 150-175	10-12cm
1 -	Malus 'John Downie'	3.5-4.0m	90-120L	2x RB	18-20cm
1 -	Apple 'Bramley'			MM106 Root stock Half Standard or Maiden	
1 -	Pear 'Comice'			Pyrodwarf Root Stock Half Standard or Maiden	

Ground				
Number	Species	Height	Specification	Pot Size
98 -	Cornus sanguinea	60-80cm	1+1 OG	
114 -	Corylus avellana	60-80cm	1+1 OG	
114 -	Crataegus monogyna	60-80cm		3L
100 -	Ilex aquifolium	40-60cm		3L
98 -	Ligustrum vulgare	60-80cm	1+1 OG	
98 -	Prunus spinosa	60-80cm	1+1 OG	
84 -	Rosa canina	60-80cm	1+1 OG	
84 -	Sambucus nigra	60-80cm	1+1 OG	
90 -	Viburnum lantana	80-100cm	1+1 OG	
90 -	Viburnum opulus	80-100cm		
12 -	Cornus sanguinea	60-80cm		
60 -	Corylus avellana	60-80cm		
40 -	Crataegus monogyna	60-80cm		
40 -	Ligustrum vulgare	60-80cm		
12 -	Prunus spinosa	60-80cm		
7 -	Sambucus nigra	60-80cm		
13 -	Hedw 'Mrs Winder'	150-200cm		3L
51 -	Skimmia japonica 'Nymans'	30-40cm		3L
51 -	Skimmia japonica 'Rubella'	30-40cm		3L

Climbers				
Number	Species	Height	Pot Size	Specification
74 -	Clematis vitalba	60-80cm	3L	Canes
66 -	Lonicera periclymenum	60-80cm	3L	Canes

Conifers						
Number	Species	Height	Pot Size	Specification	Abbreviation	Girth
98 -	Taxus baccata	30-40cm		1+1 OG	TAXBA	

Double staggered hedgerow detail

350
450
100
1200
SECTION (not to scale)
PLAN (not to scale)

NOTES:

(B3). The hedge planting is to be carried out in a single trench dug 1200mm wide, 450mm deep and to the required length.
2. Mix the dug soil with a) a slow release fertiliser,
b) a water retentive soil ameliorant,
c) mix together in the base of the trench(es).
3. Break up the soil in the base of the trench(es).
4. Prepare the plants. a) prune back any damaged roots to healthy growth;
b) place roots of each plant in a bucket of water whilst planting;
c) apply Broadcast Gel or similar.

(B9). Place the plants in the trench in a double staggered row, 350mm between the rows, 500mm between the plants in each row, as shown.
6. Backfill the trench to half its depth and firm by treading. Continue planting the trench.
7. On completion, backfill with the remaining soil and firm as before.
8. Top dress the planting area with a 75mm layer of mulch.
9. Topdress the planting area to within 200mm of the ground to encourage bushy growth from the base.

Title: HEDGE PLANTING: DOUBLE ROW
Notes:
Ref: DETDOB.DWG
Scale: NTS

17/00434/CONA/A

Existing woodland to be protected and retained

Proposed Schwegler Flat Box 1FF

Proposed Bird Boxes

Existing tree to be retained

Woodland shrub planting

Proposed wildflower meadow

Proposed Planting

Proposed grass

New mixed native hedge

Proposed new specimen tree

Site: Eleven Acre Shaw Woodchurch Kent

Client: CPL Estates Limited

Drawn By: Ian Noel
Checked By: CN

Plan name: Landscape Plan

Plan No: CPL/Wood/18/01
Revision: 6

Scale: 1: 200 @ A0
Date: Jan 2020

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