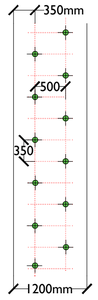
NATIVE HEDGE PLANTING MATRIX



NATIVE HEDGE MIX

The section shown is a typical layout for the proposed hedgerow planting mix along the northern, eastern, southern and western boundaries.

Objectives

To create mixed species-rich native hedgerows; the hedgerows will provide mitigation planting for lost vegetation removed along the roadside boundary, wildlife corridors, increase screening and landscape ecological enhancements. The western boundary - Mixes B and C (abutting Marches Road) shall consist of the same species but of larger sizes minimum height of 125cm (2 +2 age).

Hedge Mix A- 100% of mix	Size: Feathered to base	Stock	Age
30% Acer campestre	80 / 100 cm	BR	1+2
20% Carpinus betulus	90 / 120 cm	BR	1+2
10% Cornus sanginea	80 / 100 cm	BR	1+2
20% Corylus avellana	80 / 100cm	BR	1+2
10% Ligustrum vulgare	80 / 100cm	BR	1+2
10% Viburnum opulus	80 / 100cm	BR	1+2

At Planting

Plant the stock in two staggered rows. Two rows at 500mm apart and plants within rows 350mm centers. Plant in bold groups of 7-15 single species groups to reduce competition between species.

Allow for a minimum 1200mm wide strip cleared of vegetation, rubble and rubbish. Individual plants pit planted and locally adjusted / relocated to avoid significant roots.

Protection

Hedge plants protected by guards supported by canes.

Rabbit guards/ shelters

Rabbit guards for native planting: Each plant within the native hedge mix shall be individually protected with a spiral shrub biodegradable rabbit guard - Tubex Shrub/ Tree Shelter Guard, supplied by Green-tech www.green-tech.co.uk or similar equivalent only non-plastic guards shall be used.

All rabbit guards shall be secured with square softwood stakes, driven well into the ground by a minimum of 300mm to resist strong winds. The base of each shelter shall be buried by soil to a sufficient depth to ensure there is no gap between the soil level and the shelter.

MANAGEMENT

Years 0- 5 (Establishment)

In the first spring after planting prune damaged, diseased or dead wood immediately after first leaf break. Follow with cutting the hedgerow on a two/three-year rotation regime; recommend that incremental cutting regime is applied which involves increasing the width and height of the hedge with each cut, allowing the hedge to increase in size each time. *Cutting a hedge 10cm higher/wider every cutting avoids causing structural damage to the hedge and allows second year wood for flowering and fruiting.*

This is beneficial to wildlife as many hedgerows species flower and fruit on second year wood providing valuable nectar and food sources for pollinators and birds.

Maintain the 1.2m wide strip in a weed free condition for at least three years, to reduce competition from grass and weeds. Failures are replaced after first year with the same species. Guards shall be removed once the plants are well established (4-5 years to be assessed).

Years 5 +

Weed control is stopped as vegetation establishes. Annual trim in late winter to promote dense, bushy growth.

EXTERNAL LIGHTING STRATEGY

Sensitive Low level lighting to reduce lighting to a minimum and minimise impacts on bats and wildlife.

LED Amber luminaires should be used where possible.

Down lighting - no upward tilt to avoid upward light spill (cowels maybe required).

Bats - Lighting Consultant / Engineer to refer to latest Bat Conservation Trust guidance notes (GN08/23) - Bats and Artificial Lighting at Night' ILP Guidance Note update released.

The luminaries are fitted with a warm white LED light source (2700K color temperature) with no UV output.

REFER TO LIGHTING CONSULTANTS DRAWING & REPORT

AIMS AND OBJECTIVES

To provide a landscape scheme which provides shelter and foraging opportunities for a range of species within the surrounding vicinity and local area.

This is achieved through the provision of species which offer known wildlife value.

- To create habitat areas at the optimal time of year for their successful establishment.
- To manage areas of grassland, hedges, shrubs and trees to maximise the flowering and fruiting abundance.
- To provide additional habitat opportunities for birds, bats and invertebrates through the provision of suitable boxes, insect towers and log piles.
- New species rich native hedgerow planting to enhance the landscape character and provide ecological enhancements. Creating and extending green corridors and connectivity with the periphery boundaries, into the surrounding adjacent habitats providing ecological enhancements and benefits.
- A mix of native tree species. Selected species with nectar and pollen-rich flowers or berries and fruit/ nut bearing species to encourage wildlife and enhance biodiversity within the site; sourced from stock of local provenance avoiding invasive species and cultivars.
- Limit the use of ornamental planting (if planted by client - select species with nectar-rich flowers that are beneficial to pollinating insects and avoid / no potentially invasive species to be planted.
- Species rich amenity lawn turf providing seasonal, ecological and wildlife interests. During June and July allow for minimal/ no mowing to allow for wildflowers to thrive.

PROPOSED PLANTING SCHEDULE

TREES

Number	Species	Girth	Height	Specification	Density
4	Acer campestre	14-16cm	400-450cm	Extra Heavy Standard :Clear Stem min. 200 :RB	Counted
1	Acer campestre	12-14cm	350-400cm	Heavy Standard :Clear Stem 175-200 :BR or :RB	Counted
1	Corylus avellana		250-300cm	Multi-Stemmed :3 Stems :BR or :RB	Counted
3	Quercus robur	12-14cm	350-425cm	Heavy Standard :Clear Stem 175-200 :BR or :RB	Counted

Total :9

NATIVE HEDGE MIX A

Number	Species	Height	Specification	Density	% Contr.
69	Acer campestre	80-100cm	Hedging stock :Feathered Whip :BR :1+2	0.35Ctr Double Staggered at 0.5m offset	10%
69	Carpinus betulus	90-120cm	Hedging stock :Feathered Whip :BR :1+2	0.35Ctr Double Staggered at 0.5m offset	10%
104	Cornus sanguinea	80-100cm	Hedging stock :Feathered Whip :BR :1+2	0.35Ctr Double Staggered at 0.5m offset	15%
104	Corylus avellana	80-100cm	Hedging stock :Feathered Whip :BR :1+2	0.35Ctr Double Staggered at 0.5m offset	15%
276	Crataegus monogyna	80-100cm	Hedging stock :Feathered Whip :BR :1+2	0.35Ctr Double Staggered at 0.5m offset	40%
69	Ligustrum vulgare	80-100cm	Hedging stock :Feathered Whip :BR :1+2	0.35Ctr Double Staggered at 0.5m offset	10%
Total :691					Total :100%

NATIVE HEDGE MIX B

Number	Species	Height	Specification	Density	% Contr.
10	Acer campestre	100-125cm	Hedging stock :Feathered Whip :BR :2+2	0.35Ctr Double Staggered at 0.5m offset	20%
10	Carpinus betulus	125-150cm	Hedging stock :Feathered Whip :BR :2+2	0.35Ctr Double Staggered at 0.5m offset	20%
8	Cornus sanguinea	100-125cm	Hedging stock :Feathered Whip :BR :2+2	0.35Ctr Double Staggered at 0.5m offset	15%
22	Crataegus monogyna	100-125cm	Hedging stock :Feathered Whip :BR :2+2	0.35Ctr Double Staggered at 0.5m offset	45%
Total :50					Total :100%

NATIVE HEDGE MIX C

Number	Species	Height	Specification	Density	% Contr.
54	Acer campestre	100-125cm	Hedging stock :Feathered Whip :BR :2+2	0.35Ctr Double Staggered at 0.5m offset	15%
54	Carpinus betulus	125-150cm	Hedging stock :Feathered Whip :BR :2+2	0.35Ctr Double Staggered at 0.5m offset	15%
54	Cornus sanguinea	100-125cm	Hedging stock :Feathered Whip :BR :2+2	0.35Ctr Double Staggered at 0.5m offset	15%
54	Corylus avellana	100-125cm	Hedging stock :Feathered Whip :BR :2+2	0.35Ctr Double Staggered at 0.5m offset	15%
145	Crataegus monogyna	100-125cm	Hedging stock :Feathered Whip :BR :2+2	0.35Ctr Double Staggered at 0.5m offset	40%
Total :361					Total :100%

SCRUB PLANTING MIX

Number	Species	Height	Specification	Density	% Contr.
5	Acer campestre	80-100cm	Hedging stock :Feathered Whip :BR :1+2	1Ctr	10%
5	Carpinus betulus	90-120cm	Hedging stock :Feathered Whip :BR :1+2	1Ctr	10%
7	Cornus sanguinea	80-100cm	Hedging stock :Feathered Whip :BR :1+2	1Ctr	15%
7	Corylus avellana	80-100cm	Hedging stock :Feathered Whip :BR :1+2	1Ctr	15%
7	Crataegus monogyna	80-100cm	Hedging stock :Feathered Whip :BR :1+2	1Ctr	15%
5	Ilex aquifolium	80-100cm	Hedging stock :Feathered Whip :BR :1+2	1Ctr	10%
5	Ligustrum vulgare	80-100cm	Hedging stock :Feathered Whip :BR :1+2	1Ctr	10%
5	Prunus spinosa	80-100cm	Hedging stock :Feathered Whip :BR :1+2	1Ctr	10%
3	Rosa canina	80-100cm	Hedging stock :BR :1+2	1Ctr	5%
Total :49					Total :100%

TABLE A

Land to East of Marches Road, Warnham, Horsham, West Sussex, RH12 3SH. Project No: 1134

New Planting Areas - Maintenance Inspection Schedule

Activity	Frequency Per Annum	Years 1-5	Indicative Timing of Operation J	F	M	A	M	J	J	A	S	O	N	D	Comments
Soft Landscape Elements															
Individual Tree Planting															
Check tree supports, stakes and ties monthly, adjust when required (especially after strong winds).	Monthly	1 to 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Remove stakes and ties.	1	Year 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Weed Control around base of tree suaroounds (min. 0.5m radius).	Monthly from March to October	1 to 5			✓	✓	✓	✓	✓	✓	✓	✓			
Tree inspection for damage and disease.	Annually							✓	✓						
Replace failed / dead/ missing trees during the planting season.	Annually	1 to 5	✓	✓	✓								✓	✓	
Re-firm newly planted trees as required.	Monthly	1 to 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Water new tree planting. Increase watering during drought conditions.	Once a week throughout the growing season (April to end of September).	1 to 3 (Assessed in years 4 and 5 if required)				✓	✓	✓	✓	✓	✓				
Top up mulch to maintain a depth of 75-100mm around the base (in March / April and September/ October).	Twice a year	1 to 5				✓	✓					✓	✓		
Pest & disease control	When required	1 to 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
No formative pruning to be undertaken to any new trees within the first 18 months post planting except for the removal of dead/ broken branches.	N/A	4 to 5		✓	✓								✓	✓	Avoid bird breeding /nesting season
After 2 years : Formative prune kept to a minimum only required to maintain health and vigour of the trees.	N/A	4 to 5		✓	✓								✓	✓	Avoid bird breeding /nesting season
Assessment of condition and structure of new tree planting.	Annually	1 to 5										✓			
Hedgerow Planting															
Check guards, stakes and ties monthly.	Monthly	1 to 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Replace any damaged or missing guards, stakes and ties.	When required	1 to 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Remove guards, stakes and ties.	1	Year 5											✓	✓	
Weed control around the base of each plant.	Monthly from March to October	1 to 5			✓	✓	✓	✓	✓	✓	✓				
Water new hedgerow planting. Increase watering during drought conditions.	Every two weeks. (As required)	1 to 5				✓	✓	✓	✓	✓	✓				
Replace failed or damaged deciduous species.	Annually	1 to 5	✓	✓	✓								✓	✓	
Replace failed or damaged coniferous/evergreen species.	Annually	1 to 5	✓	✓	✓								✓	✓	
Re-firm new planting as required.	As required	1 to 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2-3 year rotational cutting regime (preferably in January/ February).	As required	years 2 /3	✓	✓									✓	✓	Avoid bird breeding /nesting season
Top up mulch to maintain a depth of 75-100mm around the base of all young plants.	Twice a year	1 to 5			✓	✓					✓	✓			
Pest & disease control	When required	1 to 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Native Scrub Planting Mix															
Replace any damaged or missing guards, stakes and ties.	When required	1 to 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Remove guards, stakes and ties.	1	Year 5											✓	✓	
Weed control around base of shrubs.	Twice annually	1 to 5			✓	✓	✓	✓	✓	✓	✓				
Water new planting. Increase watering during drought conditions.	Every two weeks (As required)	1 to 5				✓	✓	✓	✓	✓	✓				
Replace failed or damaged deciduous species.	Annually	1 to 5	✓	✓	✓								✓	✓	
Replace failed or damaged coniferous/evergreen species.	Annually	1 to 5	✓	✓	✓								✓	✓	
Re-firm new planting as required.	As required	1 to 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Top up mulch to maintain a depth of 75-100mm around the base (in March / April and September/ October).	Twice a year	1 to 5			✓	✓					✓	✓			
Pest & disease control	When required	1 to 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Coppicing: proposed native shrub mix planting may be subject to small scale rotational coppicing management to commence in Year 5 (where necessary) to provide continuity of habitat for birds/wildlife etc. field maple, hawthorn and hazel /7-15 years rotation.				✓	✓								✓	✓	Avoid bird breeding /nesting season
Formative prune to maintain health and seasonal foliage.	When required	5 to 10	✓	✓									✓	✓	Avoid bird breeding /nesting season
Species Rich Grass Areas															
Cut (10-100mm) fortnightly during the growing season and remove arisings from the Site. Relaxed mowing between June-July to allow wildflowers to thrive.	Twice Monthly from March to October	4 to 6			✓	✓	✓				✓	✓	✓		Relaxed mowing between June-July to allow wildflowers to thrive.
Remove fallen leaves by hand raking or leaf blower	Annually	Year 5 - ongoing											✓	✓	
Cultivate and re-seed as required.	Annually	1 to 3			✓	✓					✓				
Weed control.	As required	1 to 5				✓	✓	✓	✓	✓	✓	✓			
Ecological Habitats															
Bat Boxes: No maintenence required. Periodically inspected /checked by a qualified licensed ecologist for any signs of damage, rot and replace if necessary.															ONLY Undertaken by a qualified licensed ecologist.
Bird Boxes: No maintenence required. Periodically check the boxes are secure and for any signs of damage, rot and replace as needed. Nesting material can be removed in October / November if the nest hole appears to be blocked.	Annually	Year 1- ongoing											✓	✓	
Insect Towers: No maintenance required. Periodically check the towers for any signs of damage, rot, or moldy materials and replace as needed.		Ongoing													
Log Piles: No maintenance required. Periodically check to add/ replenish with new logs and brash to maintain the habitat.	As required	Ongoing													

NOTES

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Dimensions: Only figured dimensions are to be taken from this drawing. All contractors must visit site and be responsible for taking and checking all dimensions related to the works shown on the drawing. All levels in meters.

Utilities/Highways/Environment: It is the responsibility of the client or their contractor to liaise with Utility Providers, Highways Authority's and Environment Agency and to ensure that all approvals are in place. It is the responsibility of the contractor to locate all underground services prior to construction.

Drawings: All drawings and levels to be checked on site prior to the construction works commencing on site. All drawings shall be read in conjunction with relevant landscape specifications.

Discrepancies: Any discrepancy on the drawings shall be referred to the CA immediately.

LEGEND

SOFT LANDSCAPING WORKS

Existing roadside vegetation retained

Proposed tree planting: each tree protected by tree shelters/ mesh guards (min.1.5m high)

Proposed species-rich hedgerow mix A: double staggered rows 500mm apart and planted at 350mm centers; each plant protected by Tubex rabbit guards

Proposed species-rich hedgerow mixes B & C: double staggered rows 500mm apart and planted at 350mm centers; each plant protected by Tubex rabbit guards

Proposed Native Scrub Planting: Planted at 1.0m centers in groups of the same species; each plant protected by Tubex rabbit guards

Existing Grass & Proposed Amenity Grass Areas: seeded with WFG20 Eco Species Rich Lawn supplied by Germinal Seeds or similar equivalent

Grass Verge: Seeded with A18 Road Verge and Embankments supplied by Germinal Seeds or similar equivalent





Proposed Tree Planting: Trees (9nr) within gravel mobile compound shall be protected with rabbit guards and metal tree guard 1.8m high (75mm x 25mm Galvanised Tree Guard (H1.8m x D60cm); supplied by VVire fence; guard secured to timber stakes and ground pegged at base.

Proposed Hedgerow and Shrub Planting: All native tree and shrub planting shall be individually protected with a Tubex Shrub Shelter supported by a wooden stake supplied by Green-tech www.green-tech.co.uk or similar equivalent. All rabbit guards shall be secured with square softwood stakes, driven well into the ground by a minimum of 300mm to resist strong The base of each shelter shall be buried by soil to a sufficient depth to ensure there is no gap between the soil level and the shelter.

ECOLOGICAL ENHANCEMENTS

Log Pile: using wood from deciduous trees only

Bird Boxes: Inr. Vivara Pro Seville 32mm WoodStone Nest Box and Inr. Seville 28mm WoodStone Nest Box installed on eastern facades / and or pole mounted between 2.0-4.0m high; orientation north to south-east to avoid strong sunlight and wet winds.

Insect Boxes / Towers: intalled in hedgeline/ woodland edge 1.5m off the ground; located in the sun and away from the prevailing winds.

Bat Boxes: (Inr.) bat box installed on timber / metal pole between 4.0m high; orientation north to south-east to avoid strong sunlight and wet winds. Supplied by NestBox Company (www.nestbox.co.uk)

Hedgehog Gaps: Create gaps in botton of timber fences; Size 150x150mm; labeled to prevent accidental blocking located along existing northern and southern timber fences.

NOTES

Trees: Ground work within RPA of existing trees - Any required excavations within RPA's for the new planting and fence posts shall be undertaken by hand using hand held tools only to minimize any root damage. All such works will be undertaken in full accordance with Section 7.2 of BS5837: 2012. Any required root pruning will be undertaken by the Arboricultural Consultant (where such works are appropriate in accordance with the above Standard) and as detailed in Section 7.2'.

Planting: All planting within RPA's shall be notch planted and if significant roots are encountered, these will be left undamaged and plants locally adjusted.

Planting stock: All planting stock shall be source locally, UK grown plants from quality UK growers. Advanced procurement: Whenever possible shrubs should be propagated in the UK and grown on in the UK for a minimum of two years.

A 25-03-2026 Text amendments to bird and bat boxes

PLANNING

Revisions

BRADFORD-SMITH
LANDSCAPE ARCHITECTS
5 Thorold Road
Farnham
Surrey
GU9 7JY
T: 01252 714607
E: mc@bradfordsmith.co.uk

Scale	1:200 @ A1
Date	17-02-2026
Status	Planning Application
Drawn by	MS
Client	MR J MALONEY

Project
Land to the east of Marches Road, Warnham, Horsham, West Sussex, RH12 3SH

Drawing Title
ECOLOGICAL ENHANCEMENT STRATEGY PLAN

Drawing Number	Revision
1134-LA-P-02	P2

ECOLOGICAL ENHANCEMENTS - to be provided within the site providing valuable landscape, amenity value and increase bio-diversity on the site.



SPECIES RICH NATIVE HEDGEROW PLANTING



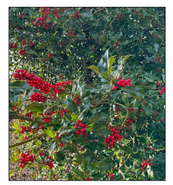
NATIVE TREE PLANTING



SPECIES RICH FLOWERING LAWNS



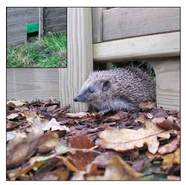
NATIVE SCRUB PLANTING: mixed species Hazel, Holly, Hawthorn, Blackthorn,Dog rose,, Hornbeam, Dogwood, Wild privet and field maple







BAT BOX: 1 number mounted on pole at 4.0m high; orientation south, south-east or south-west supplied by NestBox company



HEDGEHOG GAPS: Size 150x150mm; labelled to prevent accidental blocking



BIRD BOX: 1 number
Vivara Pro Seville 32mm Wood Stone Nest Box



BIRD BOX: 1 number
Vivara Pro Seville 28mm Wood Stone Nest Box



INSECT / BUG HOTEL: 2. number installed on existing south facing boundary fences located in the sun and away from the prevailing winds.





LOG PILE: Hibernaculum