

For further information on:

Existing Trees

Tree report prepared by Silva Arboriculture
December 2024

Ecology

Preliminary Ecological Appraisal prepared
by Calumma, July 2024

NOTES

Timetable

The proposals will be implemented in accordance with the landscape planting plan and in the next planting season (October-March) post completion of the construction and thereafter maintained and retained as below.

Topsoil

Topsoil from the site to be stripped and stockpiled without running machinery on the topsoil or stockpile at any time. Topsoil to be excavated from the stockpile and re-spread without running machinery on the stockpile or re-spread topsoil at any time. Topsoil imported to the site to be multi purpose topsoil to BS 3882:2015 with a minimum of 6% organic matter by dry weight.

- Topsoil 150mm deep over 450mm deep thoroughly broken up subsoil for grass areas
- Topsoil 300mm deep over 600mm deep thoroughly broken up subsoil for shrubs
- Topsoil 300mm deep over 900mm deep thoroughly broken up subsoil for trees

All tree pits to have Terracotem Arbor 3-1-7+ micro nutrients Fertiliser added to soil within tree pit. Application Rate: 1.5g / litre of soil.

Planting

All plants to be to National Plant Specification and BS8545:2014, Trees from nursery to independence in the landscape, Recommendations and handled and planted to Handling and Establishing Landscape Plants (CPSE, 1994).

Trees to be staked with using a three multiple stake system. Stakes to be positioned around the rootball an equal distance from the tree trunk. The tree is to be secured to the stakes with biodegradable hessian tree ties such as 'Holdfast Natural Tree Tie' (or similar approved) to be used. The tree tie is to be threaded from the stake, around the tree trunk and back to the same stake. This is done separately for each of the three stakes. Ties to be checked every four weeks and secured as necessary.

All trees in soft landscape (10-12cm girth +) to have RootRain Urban irrigation system to be supplied and installed to manufacturer's instructions after planting of each tree or watering bags (TreeGator watering bag or similar approved) to be used. Watering regime to comply with BS 8545:2014 recommendations (Annex G: Guidance on post planting management and maintenance).

Installation: Trees, hedges and shrubs watered with a minimum of 40L per m2

- Establishing: Ideally water in the mornings or evenings. Sprinklers are helpful for areas of seeding or larger shrub beds. Trees and hedges should be watered at the base, directly onto their rootball. Trees, hedges and plants next to a wall or area of hard surfacing will require more water than plant beds surrounded by soil. Do not let plant beds dry out, keep them moist to avoid drought. Basic watering quantities should be based on 10% of the plant pot size, i.e 10L pot = 1L of water. **Watering frequently is more valuable than a single application of a large quantity of water. Each tree should be maintained with a minimum of 40L of water twice a week for the first two growing seasons.**

- Seasons: Watering more frequently will be required in the warmer and windier months. Review regularly during maintenance.

- Improving soil water retention: If plants are in a clay based soil, it is harder for them to extract the water. Incorporating organic matter to break up the clay will help to improve the water holding capacity of the soil. Groups of shrubs to be planted with an unplanted area of a minimum of 500 mm between each group.

Shrubs to be planted at least 300mm from road or footpath kerbs.

Hedges to be planted as specified with an unplanted area each side as shown on the drawing.

All hedge plants to be protected by 600mm environmentally friendly spiral tree rabbit guards, such as 'Green-Tech Rainbow Treebio Biodegradable Spiral Guard', fixed with 900mm bamboo cane. Ilex protected by biodegradable guard such as 'True Traders Natural Jute Barrier Netting (fully compostable)' supported by bamboo canes.

Mulching

Plant beds to be mulched with 100mm deep green waste compost, mulch grade, to PAS 100 or 100mm conifer bark mulch 100mm down with a maximum of 20% fines (below 5mm). Hedge planting locations to be mulched with mulch matting such as 'Greenfix Mulch Mat by Green-Tech' or similar approved to help maintenance and irrigation requirements.

Management

All new planting to be watered as required to maintain it in a healthy condition during the critical first two full growing seasons, following the quantities in line with BS8545:2015 Annex G. In future years watering to be undertaken as required to maintain healthy and vigorous growth.

All dead or dying back trees or shrubs to be replaced with plants to same specification in November following losses. All areas to be maintained weed free for a minimum of five years with a maximum of four weeks weed growth at any one time.

Tree stakes to be removed in fourth growing season if possible or the following April. Side branches and basal shoots on trees to be removed each July to maintain a 2m trunk free of branches.

Shrub planting to be maintained below 600mm high in visibility displays and sight lines.

Shrubs to be cut back where overhanging paved areas in March each year.

Biodiversity Enhancement

The proposals follow the recommendations suggested by Native Ecology who have carried out various surveys on the site.

Habitat Creation

Log piles - Log piles to be created using logs from trees felled on site or sourcing of suitable logs from off-site. Each log to be approximately 1-1.5m in length and 15-30cm diameter. Logs stacked in large enough piles that the interior of the pile is protected. Log piles will be at least 2-3m in length, 1m in width and 0.5m height.

Arising's from on site management and maintenance will be added to the log piles annually. Log piles and hibernacular will be inspected annually to ensure that they are maintained to the specification above.

If remedial works are required, these will be undertaken between March and October in order to avoid the hibernation season.

Bee Post - positioned in a warm sunny spot, with no vegetation in front of the holes.

Bat boxes - 2 integrated bat tubes to be installed on proposed dwelling and 1 bat box on existing trees. 2x Schwegler 2FR Bat tube 1x Schwegler 2F Bat box. Installed at a south or west elevation, above 3.5m from ground and not illuminated by artificial lighting.

Bird boxes - 1 bird box to be installed on proposed dwelling. 1x Schwegler brick nest box Type 24. Installed at a north or east elevation, above 2m from ground or close to eaves and not illuminated by artificial lighting.

Bird and bat boxes to be sourced from an approved supplier.

Hedgehog Dome - Located in a position protected from wind and rain. Nesting material - fill with hay, dry leaves and straw, with cut up newspaper and wood shavings.

Hedges

The mixed native species hedgerows on the boundaries will be cut no lower than 2meters tall in January or February each year. They will be cut with a slight taper from bottom to top, ensuring that the base of the hedge remains dense to the ground. This will protect the wildlife using the base of the hedge as a corridor to move around and increase the connectivity of habitats surrounding the site. These will provide good nesting habitats for birds and increase connectivity across the site.

The single species native hedges closer to the property, within the soft landscape beds will be square cut 1.2 to 1.5m tall in January and February and be maintained dense to the ground. These will increase connectivity across the site.

Native Shrubs

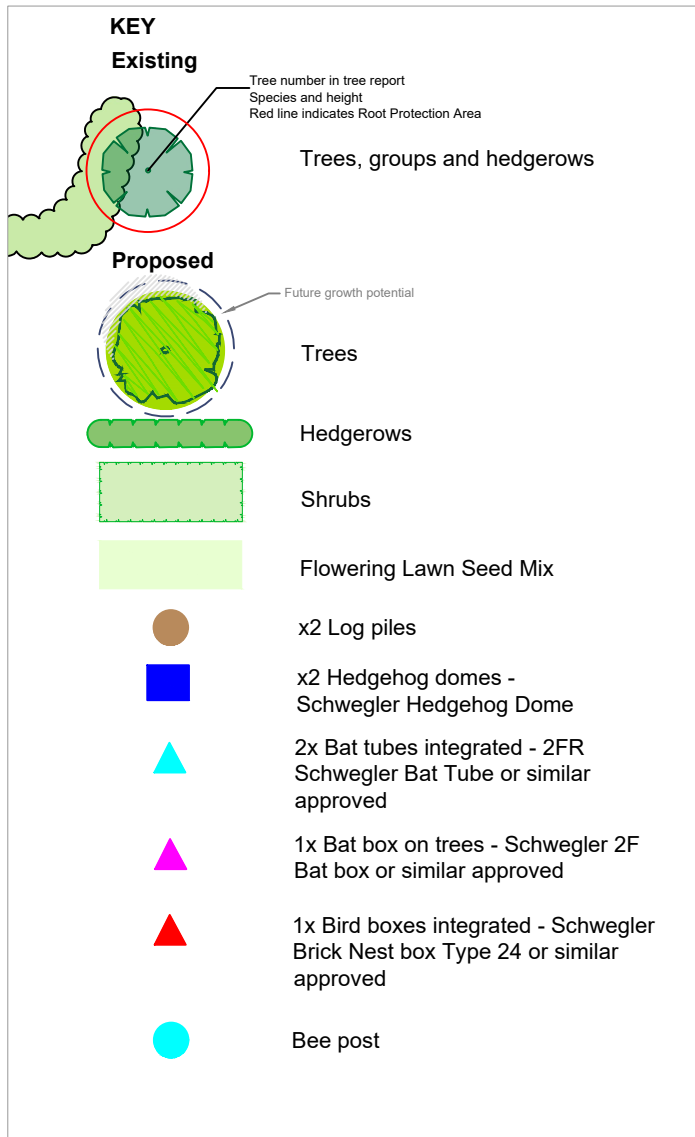
Shrubs which provide fruit, nuts or berries to be maintained post fruiting season to ensure wildlife using the site are supported year round.

Lighting

Any post-development external lighting associated with roads will be designed so as to avoid the illumination of boundary vegetation to provide dark corridors for foraging and commuting bats.

Any external lighting will use only the minimum amount of light required and will be directed to where it is needed with light trespass to be avoided. Accessories such as hoods, cowls, louvers and shields will be used where required to ensure that light is directed to the intended areas only. Fixtures will not allow upwards leakage of light.

External lighting will use lights that emit low levels of UV light such as warm white LED lighting which is more directional than sodium lighting features. If the use of LED lighting is not possible, then Low Pressure Sodium lighting features will be used.



LANDSCAPE MANAGEMENT NOTES

Trees

Installation - installed using 3no. short stakes positioned outside of the rootball with rubber or hessian support straps.

Watering - Watering regime to comply with BS 8545:2014 recommendations (Annex G: Guidance on post planting management and maintenance). Frequency and timing of irrigation should take into account the recent weather conditions, soil moisture release characteristics and the reaction of the tree species to water deficits or periods of prolonged soil saturation. Frequency of irrigation is more important than volume of water given at any one time. Watering bags (TreeGator watering bag or similar approved) to be used - minimum of 20-40 litres for a 8-10cm standard or 10-12cm standard tree. Number of visits during March to September minimum of 6 visits, for a minimum of 2 years from installation until deemed established.

Weeding - regular weeding along the base of the trees, with a 500mm radius kept clear of weeds, shrubs and grass during the first two years of establishment. Monthly check of tree ties, weeding and top up mulch / bark to min.100mm as required.

Feed - support the trees with a 6 monthly feed to encourage strong growth above ground and below.

Management

Year 1 - Inspection: Check trees for dead, damaged, diseased and crossing branches. Assess shape and size of tree. Check security and tightness of tree ties, adjust as necessary. Check tree crossings for rocking and rot, replace/make good as necessary.

Year 2 - As Year 1 and Pruning: Prune out any dead, damaged, diseased, or crossing branches and stems.

Year 3 - As Year 1 and 2

Year 4 onwards - As Year 1, 2 and remove tree stakes (if supports no longer required).

Hedges

All hedge plants to be protected by 600mm environmentally friendly spiral tree rabbit guards, such as 'Green-Tech Rainbow Treebio Biodegradable Spiral Guard', fixed with 900mm bamboo cane. Ilex protected by biodegradable guard such as 'True Traders Natural Jute Barrier Netting (fully compostable)' supported by bamboo canes.

The protective guards should be inspected once a month for the first two years until the hedgerow has established. Repair any guarding as necessary. Repair any guarding as necessary.

Watering - Frequency and timing of irrigation should take into account the recent weather conditions, soil moisture release characteristics and the reaction of the species to water deficits or periods of prolonged soil saturation. Frequency of irrigation is more important than volume of water given at any one time. Drip irrigation system (HydroSure Drip Line or similar approved) to be used for hedgerows - up to 24 litres per square metre every 7-10 days (The Royal Horticultural Society guide). For a minimum of 2 years from installation until deemed established.

Weeding - regular weeding along the base of the hedgerow, on a monthly basis to reduce competition during establishment of the hedgerow. Top up mulch / bark to min.100mm as required.

Feed - support the hedgerow with a 6 monthly feed to encourage strong growth above ground and below.

Management

Year 1 - In February cut the terminal bud, located at the tip of each branch of the shrubs. This will encourage dense and bushy growth.

Year 2 - In February cut the tallest tops out of the shrubs keeping the majority of the hedge growth at the same height. This will encourage dense and bushy growth.

Year 3 - The native species hedgerows on the eastern and southern boundaries will be cut to 2-3 meters tall in January or February.

Year 4 onwards - The native species hedgerows on the eastern and southern boundaries will be cut to 3-4 meters tall in January or February each year. They will be cut with a slight taper from bottom to top, ensuring that the base of the hedge remains dense to the ground. This will protect the wildlife using the base of the hedge as a corridor to move around and increase the connectivity of habitats surrounding the site.

Shrubs

On installation the shrubs should have their rootball broken up once removed from the container. Plant beds to be broken up as noted in the Notes section. Spacing of the shrubs as shown on the drawing to create instant features or to enable the long term development of the shrubs within the plant beds.

Watering - all planting to be watered as required to ensure strong establishment.

Weeding - regular weeding in all plant beds, to reduce competition and encourage growth of the specified planting. Top up mulch / bark to min.100mm as required.

Feed - support the shrubs with a 6 monthly feed to encourage strong growth above ground and below.

Management

Year 1 - Check all plants for disease, any dead plants to be removed and replaced with same specification. Year 2 - Check all plants for disease and replace any dead plants with same specification. Trim any shrubs which have grown above 1m high back to level of surrounding plants to create a dense cover, and provide a united plant bed.

Year 3 - Trim any shrubs which have grown above 1m high back to level of surrounding plants to create a dense cover, and provide a united plant bed. If any overcrowding of the beds, remove individual shrubs to allow for strong development. If any gaps, fill in with plants from the site, or to the same specification of the original plant bed. Remove any invasive weeds.

Year 4 onwards - Manage the shrubs in their groups to create a unified appearance to the site, promote dense vegetation within the plant beds (reducing weeding) and creating an aesthetic appearance to the site.

Landscape Plant Schedule						
Trees						
Number	Abbreviation	Species	Common Name	Girth	Specification	
1 -	Ac	Acer campestre	Common Maple	10-12cm	RB	Clear Stem 150-175
Shrubs						
Number	Abbreviation	Species	Height	Pot Size	Specification	Density
122 -	Bse	Buxus sempervirens	20-30cm	2L	CG	0.2Cr
108 -	CBET	Carpinus betulus	80-80cm	5L	RB / CG	0.25Cr
12 -	DAPODAU	Daphne odora 'Aureomarginata'	40-60cm	3L	CG	0.6Cr
11 -	HAU	Hydrangea arborescens 'Annabelle'	80-100cm	5-7.5L	CG	0.8Cr
9 -	LAU NOB	Larix nobilis	80-100cm		1/4 Standard Topiary Ball on Stem	Counted
104 -	LaH	Lavandula angustifolia 'Hidcote'	30-40cm	3L	CG	0.3Cr
Wildflowers						
Number	Abbreviation	Species	Pot Size	Density		
74 -	HYANON	Hyacinthoides non-scripta	1L	10/m²		
Bulbs						
Number	Abbreviation	Species	Bulb Size	Density		
69 -	COLCHIC	Colchicum autumnale	10	10/m²		
74 -	GAL NIV	Galanthus nivalis	10	10/m²		
69 -	N p L'	Narcissus pseudonarcissus 'Lobularis'	10	10/m²		
Grass Areas						
Area	Weight	Seed Mix Name	Seed Mix Supplier	Density		
583.8024m²	14597 g	EL1 Flowering Lawn Mixture	Emmorgate	25g/m²		
Mixed Native Hedge Mix 2						
Number	Abbreviation	Species	Height	Specification	Pot Size	Density
70 -	CORSA	Cornus sanguinea	80-100cm	OG	5L	0.3Cr Double Staggered at 0.3m offset
167 -	Cav	Corylus avellana	80-100cm	OG	5L	0.3Cr Double Staggered at 0.3m offset
56 -	I a	Ilex aquifolium	60-80cm	CG	5L	0.3Cr Double Staggered at 0.3m offset
56 -	VIBOP	Viburnum opulus	80-100cm	OG	5L	0.3Cr Double Staggered at 0.3m offset
Total :349 -						

**HW
&CO**

01622 437196 lydia@hwandco.co.uk www.hwandco.co.uk
2 Keswick Drive, Maidstone, Kent ME16 0DQ Hill-Wood & Co (Kent) Ltd Company no. 10066666

PLANNING

Project -
SHORNE MEAD, PEAR TREE LANE

Drawing title -
Landscape Planting Plan

Rev	Description	Date
-	-	-
-	-	-
-	-	-

Scale 1:200@A1 1:400@A3 Date Apr 2025 Drawing number 0759/25/B/1 Rev