

New shrub planting:
Mixed random shrub planting is to be comprised of the following native species in 10L pot sizes, density ranging from 2.04 to 0.44 plants / m2 to suit each species:

- dogwood (Cornus sanguinea),
- hazel (Corylus avellana),
- rowan (Sorbus aucuparia)
- wild cherry (Prunus avium)
- viburnum (Viburnum opulus)
- honeysuckle (Lonicera),
- lavender (Lavendula sp.)
- jasmine (Jasminum sp.)
- Holly (Ilex aquifolium)
- Hornbeam (Carpinus)

Amenity shrub specification:
All of the native shrub species are considered appropriate for this development as they have both aesthetic and nature conservation qualities. These shrubs in particular provide good foraging opportunities for bats by attracting a wide range of insects and producing flowers and berries.

The shrub species will be planted randomly within the defined areas shown on the drawing, the intention is that the individual shrubs in these areas will coalesce together to reach maturity.

The shrubs will all be procured as 10 litre pot specimens (this is the most common pot for 'specimen plants' that have generally been grown for two years). This will allow for spacings ranging from 700mm to 1.5m so that the shrubs, which have a spread ranging from 1.4m to 3.0m, can attain maturity in 10 years' time.

Given the above planting centres based on the spread of the plant after 10 years, the density of plants per m² can be calculated as follows:

Centres	Number of Plants	Centres	Number of Plants
200mm	= 6.10/m²	800mm	= 1.56/m²
400mm	= 2.25/m²	1100mm	= 0.83/m²
500mm	= 4.00/m²	1200mm	= 0.69/m²
600mm	= 2.78/m²	1500mm	= 0.59/m²
700mm	= 2.04/m²	1500mm	= 0.44/m²

All shrubs shall conform to the specification for nursery stock as set out in the National Plant Specification where it applies to trees, shrubs and plant handling and establishment: http://www.gohelios.co.uk/nps/nps.aspx and British Standard 3936 Parts 1 (1992) and 4 (1984). Advanced Nursery stock trees shall conform to BS 5236. Handling, planting and establishment of trees shall be in accordance with BS 8545:2014 Trees from nursery to independence in the landscape: Recommendations.

Stock shall be materially undamaged, sturdy, healthy and vigorous, of good shape and without elongated shoots, and free from pests and diseases, discolouration, weeds and physiological disorders. Plants shall have been grown in a suitable environment and hardened off. The root system shall be to the requirements of the National Plant Specification containing a fully fibrous and balanced, branched system. Containerized or container grown trees must be free from circling or girdled roots - these should be rejected if apparent.

SITE CLEARANCE:
Remove rubbish, concrete, metal, glass, decayed vegetation and contaminated topsoil. Remove stones with largest dimension exceeding 75mm. Substances injurious to plant growth including subsoil, rubble, fuel and lubricants to be removed.

PLANTING CONDITIONS:
Deciduous shrubs: Plant during the season November - March. Container grown material may be planted outside the planting season and when the soil is in a friable condition, but only with provision for supplementary watering. Conifers and evergreens may be planted September/October or April/May.
Carry out preparation and planting while soil and weather conditions are suitable. Do not plant in periods of wet weather when working the soil would result in a loss of structure, or during periods of heavy frost or strong winds.

WATERING:
Shrubs should be watered prior to planting and backfilled planting pits watered to full depth of topsoil after planting. Apply evenly and without damaging or displacing plants or soil. Water as necessary to ensure establishment and continued thriving of planting.

ROOT DEFLECTORS/ ROOT BARRIERS:
Root deflectors / geotextile root barriers should not be used routinely and only where there is a specific requirement to inhibit root growth. If required install in accordance with the manufacturer's recommendations.

MULCH:
A 50mm - 100mm depth layer of Medium Grade bark mulch is to be applied to the surface of the weed free shrub bed after planting and watering. Bark mulch to be free of pests, disease, fungus and weeds.

AFTERCARE / MAINTENANCE:
There will be a 5 year establishment and aftercare period, during which time plants shall be maintained regularly to ensure establishment. Plant condition is to be assessed annually at the end of each growing season and any plants that die or are badly misshapen by dieback, disease or damage shall be replaced during the planting season in the year the fault was identified. Replacement stock shall be of the same size and species as that originally specified.

GENERAL NOTES
This drawing must be read in conjunction with all other architects detail drawings, schedules and or specifications.

Do not scale off of this drawing. Written dimensions only to be taken.

Any discrepancy found between this drawing and any other architects detail drawing, schedule and or specification must be referred to the architect before the work is executed.

All dimensions must be checked on site.

This drawing must not be copied in whole or in part without the prior written permission of mason design partnership.

revisions

no	description	date

GENERAL NOTES

Legend:

Universal swift / small bird nest brick built into gable wall at roof level

Wall-mounted lighting set min. 3.0m above ground level. Integrated lenses to direct light down onto the forecourt and prevent upward light spillage into ecologically-sensitive areas. Colour termperature to be 'warm white' 3000K.

Schedule of landscape materials:

Forecourt:
Apron surface to be concrete as existing and made good where necessary.

Path around new building:
Concrete path surface to match existing with concrete pin kerb edge to new landscape areas.

Fencing:
Existing steel pallisade fencing to be retained along northern site boundary. No new fencing proposed

project
Proposed new commercial building
Boundary Garage
Ellesmere Road,
Bronington,
Whitchurch, SY13 3HD

client
Mr I. Watson

title:
Proposed Landscape and Biodiversity Plan

date:	
scale:	1:250, @ A1
drawn:	

design
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