

Ref che/22/000852/ful

Plants and Trees for new Bungalow 366 Brimington road Chesterfield S41 0TF

Condition 6 for planning approval Ref che/22/000852/ful.

No development above floor-slab/D.P.C level shall take place until details for the treatment of all parts on the site not covered by buildings shall be submitted to and approved in writing by the Local Planning Authority. The site shall be landscaped strictly in accordance with the approved details in the first planting season after completion or first occupation of the development, whichever is the sooner. Details shall include:

- A scaled plan showing plants and trees to be planted:
- Proposed hardstanding and boundary treatment:
- A schedule detailing sizes and numbers of all proposed plants and trees:
- Sufficient specification to ensure successful establishment and survival of new planting.
- Details of bird boxes, bug hotels, hedgehog holes and other planting as detailed in the biodiversity statement, including the relocating of plant on site.

Scaled plan showing plants and trees to be planted

Scaled plan submitted as part of this document.

Boundary and hardstanding treatment

The driveway including the parking for residents vehicles and the provision of manoeuvring of residents and delivery vehicles will be composed of porous tarmac and all boundaries will be as per the previously submitted plans which include fencing at the appropriate heights around the garden. Trees will also be placed on the boundaries to aid screening etc.

Planting principles:

1. The trees specified are all native species.
 - An appropriate use of native and/or ornamental species suitable for the site end use.
 - A suitable choice of species for the site conditions (i.e. soil, microclimate, orientation and drainage).
 - A simple mix containing a large number of plants of a small number of different species.
2. Specimen trees will be planted preferably within areas of shrubs or ground cover, rather than grass.
3. Trees will be planted to define boundaries and or screen fences and walls. Specimen trees will be planted at various locations around the site. Relocated trees and shrubs will be treated similar to the details/processes stated below.

4. New bare root and pot grown stock will be used. Where pot grown stock is used it will have the greatest chance of survival and ultimate establishment even if planted in the summer months.

A) Currently planted: Species

- 1 no - Oak,
- 3 no - Birch,
- 1 no - Plum,
- 1 no - Holly,
- 1 no - Cherry,
- 2 no - Cedar,

B) Relocated species:

- 1 no - Pear,
- 2 no – Apple,
- 1 no - Magnolia,
- 3 no - Pheasant berry,
- 6 no - Hydrangea.

C) Proposed planting species. Bee and insect friendly:

New trees to include as a minimum:	Number	Size bare root	Size pot grown
Goat Willow (<i>Salix caprea</i>)	2	60-120cm	40-90cm
Hazel (<i>Corylus avellana</i>)	2	60-120cm	40-90cm
Crab Apple (<i>Malus sylvestris</i>)	2	60-120cm	40-90cm
Rowan (<i>Sorbus aucuparia</i>)	2	60-120cm	40-90cm
Wild Cherry (<i>Prunus avium</i>)	2	60-120cm	40-90cm
Field Maple (<i>Acer campestre</i>)	2	60-120cm	40-90cm
Juniper (<i>Juniperus communis</i>)	2	60-120cm	40-90cm
Lilac (<i>Syringa vulgaris</i>)	2	60-120cm	40-90cm
Birch (<i>Betula</i>).	2	60-120cm	40-90cm
Eating Apple, (Discovery, Elstar, Cox's Orange Pippin) (<i>Malus pumila</i>)	2	60-120cm	40-90cm
Eating Cherry (Morello, Sunburst) (<i>Prunus avium</i>)	2	60-120cm	40-90cm
TOTAL Trees to be planted	22		

D) New pot grown shrubs/perennials etc to include as a minimum one of each of the following: plants in 1-7 litre pots depending on species

- Acacia
- Agathatch blue fortune - blue scented
- Amelanchier
- Blue bells
- Buddleja
- Clematis

- Empress tree - foxglove flowers
- Eucalyptus bong y gong
- Fatsia japonica
- Foxglove
- Heavy metal grass
- Hibiscus
- Holly
- Honeysuckle
- Jasmine (Trachelospernum jasminoides)
- Loquat tree
- Milinia grasses
- Myrtle - evergreen scented.
- Passion Flower
- Pittosporum evergreen
- Salvia
- Spindle bush tree
- Witch hazel halmallis

E) Seeded native and naturalised wild-flower planting to include as a minimum via Woodland Trust seed balls:

- Birdsfoot trefoil
- Chamomile
- Corn marigold
- Cornflower
- Cowslip
- Forget me knot
- Foxglove
- Meadow cranesbill
- Musk mallow
- Nightflower catchfly
- Oxeye daisy
- Red campion
- Red clover
- Vipers bugloss
- Wild majoram
- Yarrow

F) Herb Bed containing as a minimum:

- Basil
- Bay leaf
- Chamomile
- Chervil
- Chives
- Comfrey
- Coriander
- Curry plant
- Fennel
- Garlic chives

- helebore
- Horseradish
- Lavender
- Lemon balm
- Lovage
- Marjoram
- Mint
- Oregano
- Parsley
- Peppermint
- Rosemary
- Sage
- Savory
- Sorrel
- Tarragon
- Thyme
- Wild bergamot
- Winter green

PLANTING OPERATIONS

Weed growth: Where persistent or excessive weed growth exists there shall be an application of systemic contact herbicide. This will be completed a minimum of four weeks prior to site disturbance.

Where possible use in situ top soils. Imported topsoil: Where the site does not contain sufficient in situ topsoil for the planting program topsoil will be imported such in amounts needed to complete the works. The minimum depths of topsoil shall be as follows:

- (a) Grassed areas 225mm
- (b) Shrub/rose beds 600mm
- (c) Tree pits 900mm

TREE PLANTING

Seasons of Work: All planting works shall be carried out between the first week in October and the first week of March in the first planting season after completion or first occupation of the development.

Weather Conditions: Planting will only be carried out if weather and ground conditions are suitable. No planting shall be carried out when the ground is frozen, when it is covered in snow, or when it is waterlogged.

Tree: The tree will be placed in the correct position to ensure it is vertical and upright and that the final soil surface level corresponds with the nursery mark on the tree stem. Where necessary stakes and ties shall be provided.

Tree Planting: Whips/bare root trees will be planted using the 'slot' / 'notch' method, where the blade of a spade is used to open a slot of soil into which the tree can be planted. The soil will then be firmed back in place either side of the stem.

Alternatively for bare root stock, slight mounding of the base of the tree pit under bare root trees will take place to support against shrinkage and correct planting depth, but soils at the base of the pit will not be compacted or impede drainage. Friable mixed topsoil/compost backfill will be spread over the roots in successive layers, working plant up and down between each layer to ensure a distribution of soil between all roots and an intimate contact between roots and soil particles. The soil will be firmed by treading with the heel and more soil added if necessary to bring the surface level to that of adjacent areas and also to the mark on the plant stem which indicates the nursery planted level.

Backfill: for pot grown trees, the container will be removed prior to planting and the roots on the edge of the root ball gently 'teased' to aid root growth. The topsoil will be excavated to a sufficient depth to accommodate the container/root ball and a minimum of 300mm wider. The backfill will be gently firmed to remove air pockets and to ensure intimate contact between the soil and roots.

Watering: The newly planted tree will be watered slowly to moisten the root ball thoroughly along with the ground around prior to mulching. Trees will be watered prior to planting and backfilled planting pits watered to full depth of topsoil after planting. Water will be applied evenly and without damaging or displacing plants or soil. Watering will continue as necessary to ensure establishment and continued thriving of planting.

After any break of more than 3 weeks, the ground surface around the tree for a radius of 500mm shall be loosened with a fork to aid water penetration into the soil. The water shall be applied at a steady rate to avoid run-off to the surrounding area.

Mulching: where appropriate, each tree will be mulched following planting. Mulches will be hand weeded as necessary and replenished to their original depth at least once annually.

AFTERCARE

A 5 year aftercare period will be maintained, during which time plants will be maintained regularly to ensure establishment. Plant condition will 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.

Replacement: Any trees which have died or has not developed its full foliage throughout its branches within 12 months of autumn planting and 9 months of spring planting will be taken up and replaced.

General: All trees planted will be maintained in such a way as to ensure that it becomes vigorously established in its location as quickly as possible.

Annual and Seasonal Maintenance: Monthly maintenance visits will be carried out through the growing season. Annual or seasonal maintenance will also be carried out once per year. normally in the period January to mid-March.

Formative Pruning: This operation will comprise the selective pruning of trees if appropriate, to leave the most suitable single leading stem, the removal of basal growth, epicormic stem growth and crossing branches, the removal of dead, diseased or damaged wood and/or the pruning back of long side branches as appropriate to the individual tree in order to promote the development of a well formed, balanced specimen of the desired shape and habit. Tree crowns will be pruned if necessary to encourage development of good shape.

Adjustment and Removal of Stakes and Ties: All stakes, trees and shrubs will be maintained in firm positions within the ground and with all ties securely fixed and adjusted to allow for the increase in stem girth. During the time that the tree is supported, the following checks will be made where stakes and ties are used:

- The tie shall not restrict the growth of the tree and will be correctly positioned to ensure that chafing does not occur between the tree and the stake. Adjustments to the tie will be made as necessary.
- Damaged, missing or non-functioning stakes and ties will be replaced or re-positioned as necessary.

Stake Removal: When the tree's stem is rigid, supports its crown and stands independently, the stake and tie if used will be completely removed and the resultant hole backfilled with topsoil.

Weeding: Planting beds will be kept clear of weeds by use of suitable herbicides or hand weeding and an area of clean ground 500mm in diameter maintained around each tree or shrub.

POT GROWN SHRUBS/PERENNIALS

All new pot grown shrubs/perennials etc will have similar treat as per trees but appropriate to the size of the shrub/perennial.

ADDITIONAL BIODIVERSITY NET GAIN

In addition to the tree/shrub/perennial planting the following biodiversity net gain will be provided as a minimum:

- 1 Specifically designed boxes will be installed for various bird species such as robin, tits, house-martin and generic birds as well as butterflies and bats. The minimum as follows:
 - 3 no - bird boxes
 - 2 no - butterfly and wild bee hibernation boxes,
 - 1 no - bat brick

- 2 Hedgehog ramp for wall including fences holes where appropriate to enable movement between gardens etc.
- 3 Ground level natural material wildlife habitats for toads, frogs and small mammals as well as insect hibernation habitats, wild bee hibernation boxes, loose soil banks and specific hedgehog enclosures.
- 4 Hedging will be installed in the front garden which will be grassed with appropriate borders of annual and perennial nectar rich and scented planting etc to include planting detailed above.
- 5 A wild flower area to contain the wild flowers mentioned above located at the rear of the property.