

Tyn-y-Caeau Margam Planting Plan

Tree Removals:

Twenty-six trees will be removed during this development. Twenty-five have been categorised as C or U and only one B category tree will be removed. The majority are in poor condition and are predominantly native species broadleaves; sycamore (*Acer pseudoplatanus*); common ash (*Fraxinus excelsior*); common beech (*Fagus sylvatica*) and silver birch (*Betula pendula*) with two silver maples (*Acer saccharinum*) and one badly decayed London plane (*Platanus X hispanica*).

Replanting/ New Planting Specifications (see attached planting layout plan)

North Boundary: Approximately 120m *Berberis* sp. hedging supplied as bare root 360 x 60/80cm and planted at a density of 3 plants per metre. *Berberis* will grow under the shade of the trees and is a very spiny plant making it a good intruder deterrent. Other suitable species for hedging in this area include holly (*Ilex aquifolium*), *Cotoneaster* sp. or laurel (*Prunus laurocerasus*).

The treeline will be reinforced with:

2 x field maple (*Acer campestre*), 2 x mountain ash (*Sorbus aucuparia*) and 9 x wild cherry (*Prunus avium*) supplied as bare root regular standard with girth 8-10cm at 1 metre above ground level.

Central Area:

3 x Himalayan birch (*Betula utilis* Jacquemontii) supplied as bare root regular standard.

2 x witch hazel (*Hamamelis x intermedia*) supplied in 10l pot 50-70cm height.

1 x Atlas cedar (*Cedrus atlantica glauca*) supplied as heavy standard 12-14cm approximately 3m height.

Entrance:

Approximately 45m of box hedging (*Buxus sempervirens*) 225 x bare root 20/30cm planted at a density of 5 plants per metre.

South boundary:

3 x silver birch (*Betula pendula*) supplied as regular standard.

Planting Method:

Standard Trees:

- Planting must take place between November and March unless the ground is frozen or waterlogged.
- Trees must be planted on the day of delivery.
- Spray existing ground vegetation with weedkiller and remove.
- Dig planting pits of twice the diameter of the rootball with gently sloping, scarified sides. If trees are bare rooted the planting pit should be a minimum of 400mm x 400mm and should allow for the roots to be fully fanned out.

- Separate topsoil and subsoil layers on excavation.
- Remove any sacking and wrappings around the rootball.
- Seat the root-ball or bare roots on a small mound of soil in the base of the pit so that the top surface of the root-ball will be slightly proud of the settled level, with the root-flare clearly visible. Bare-root trees should be planted with the new soil surface level with the original soil mark on the stem.
- Regular standard trees will require a 1.8m round tree stake, heavy standards will require two stakes with a cross bar or a ground anchor. Trees should be secured with proprietary ground anchors.
- Back-fill soil in layers of 150-230mm to reinstate pre-existing soil profile, tamping each layer gently to remove large voids. The final layer of soil should not be consolidated but should be of a sufficient depth to allow for settling and mulching.
- Water slowly but thoroughly and irrigate throughout the first growing season to maintain a moist but not waterlogged rooting environment.
- Apply a layer of 50-75mm hardwood bark-chip mulch to the two-metre circle around the tree but taper the mulch towards the base of the trunk so its flaring base is clearly visible.
- Preformed welded mesh tree guards should be used.
- Maintain mulch for at least three years, water during years two and three if there is a ten-day period without rainfall, remove guard once established and formatively prune in accordance with BS 3998:2010.

Hedge Planting:

- Use a spade to open a slit in the ground, fan out the roots of the whip so that as much of the root surface as possible is in contact with the soil, plant the whip into the slit and firm the ground down around the whip.
- Push a bamboo cane into the ground next to the plant and wrap a spiral rabbit guard around the cane and whip.
- Plants should be watered to field capacity every week in the spring and summer following planting. Planting should be carried out between November and March when the ground is not frozen or waterlogged.
- Mulch around the hedge with bark chip or manure.

RTAC

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Tyn-y-Caeau Margam Proposed Site Layout Tree Planting Plan

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DATE :

12/12/2021

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ROOT PROTECTION AREAS OMITTED FOR CLARITY

