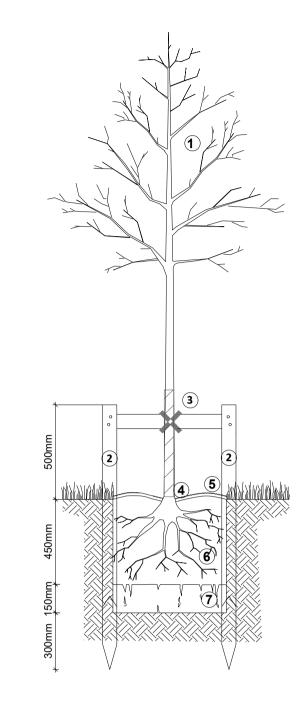


DETAIL 1: TYPICAL ADVANCED NURSERY STOCK TREE PLANTING DETAIL 1:20 (Refer to Figures F1 to F6 in BS8545: 2014 for further guidance)



- Standard trees shall be 2.5 3.0m high with a minimum girth of 8 10cm. The trees shall conform to BS 3936 Part 1 and shall have a well defined clear upright stem of 1500-1750mm. The root shall be adequate size in relation to crown (15 litre pot minimum if container grown).
- The tree shall be supported by two peeled and turned larch or chestnut stakes which have been previously treated with water based preservative to B5 1282: 1999. The stakes shall be a minimum diameter of 75mm and pointed at one end. They shall be driven 300mm into ground below the excavated tree pit (or as necessary to secure the tree) and positioned as near to the tree as possible without interfering with the root system. The stakes shall project 500mm above ground level. If the tree is root balled or container grown stakes are to be angled at 45° and driven 300mm into the ground (away from the prevailing wind). Horizontal cross member (preservative as above) shall be 75x25mm sawn timber nailed with 2no. 65mm galvanised nails per end 50mm below the top of both stakes.

 Refer also to Figure F.8 of B88545: 2014.
- The tree shall be securely tied 2no.reinforced rubber buckle ties with spacers to firmly hold the stem to the timber cross member and positioned to prevent abrasion with the tree.

 The base of the tree shall be protected using a 600mm x 50mm translucent green spiral guard (or similar approved) wrapped around the bottom of the tree stem.
- The tree shall be planted in strict accordance to BS8545: 2014 paying specific regard to Section 10.5 (10.5.1 -10.5.3 inclusive).
- In soft landscape areas, mound the sides of tree pits to hold water (Refer Fig. 3 BS8545:2014).

 Top dress with 75mm settled depth of mulch as specified (paying specific regard to maintaining a mulch free area directly around the root flare of the tree in accordance with BS8545: 2014).
- Tree pit minimum 600x600x450mm deep to comfortably accept root system. Enlarge if required to ensure that the tree pit diameter is at least 75mm greater than the tree root spread. Sides of pit loosened with fork prior to planting. Back fill with a mix of topsoil (to BS 3882) and 80 litres of peat free organic planting compost with a pit of 6.5.7.5.
- fill with a mix of topsoil (to BS 3882) and 80 litres of peat free organic planting compost with a pH of 6.5-7.5

 (If required) Break up bottom of pit to a depth of 150mm if deemed peocessary is accordance with BS\$645: 2014

NOTE:
ROOT BARRIERS ARE TO BE INSTALLED (WHERE REQUIRED) TO TREES
ADJACENT TO SERVICES AND BUILDINGS AND INSTALLED IN
ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND
SPECIFICATIONS.

DETAIL 2: TYPICAL STANDARD TREE PLANTING DETAIL 1:20 (Refer to Figures F1 to F6 in BS8545: 2014 for further guidance)

A transplant shall have been transplanted or undercut at least once.

Soil level at nursery to be marked. Plant transplant at a depth to

Planting trench 600widex300mm deep. Sides of pit loosened with fork prior to planting. Backfill with a mix of 2 parts excavated material and 1 part planting compost containing trace elements incorporated at the specified rate. The compost shall have a pH of

6.5-7.5 and shall include an N.P.K. slow release fertiliser (3;17;10) at

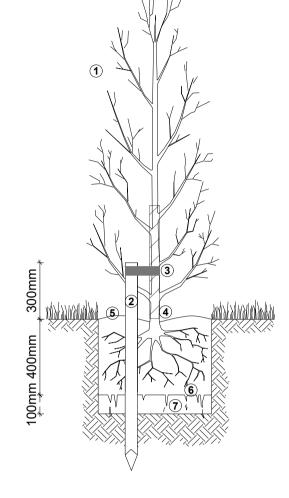
The age and height shall be to BS 3936 and shall be:

1 u 1 1 year seedling 400-600mm high (transplanted for 1 year)

match this level. Allow for watering hollow.

the rate of 60 grams per plant.

Backfill as specified and lightly consolidate



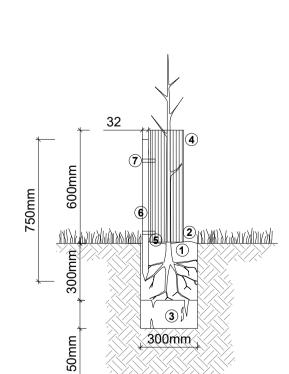
Feathered trees shall be 200-250cm high. The trees shall conform to BS 3936: Part 1 and shall have a well defined, upright central stem with evenly spread lateral shoots. The root system shall be adequate size in relation to the crown (10 litres pot if container grown).

- The tree shall be supported by a peeled and turned larch or chestnut stake which have been previously treated with water based preservative to BS 1282: 1999. The stake shall be a minimum diameter of 65mm and pointed at one end. The stake shall be driven 300mm into ground below the excavated tree pit (or as necessary to secure the tree) and positioned as near to the tree as possible without interfering with the root system. The stakes shall project 300mm above ground level. If the tree is root balled or container grown stakes are to be angled at 45° and driven 300mm into the ground (away from the prevailing wind). Refer also to Figure F.8 of BS8545: 2014.
- Trees shall be securely tied by adjustable reinforced rubber buckle ties with spacers positioned to prevent any abrasion between stake and tree. Tree ties shall not be positioned more than 20mm below top of stake.
- The base of the tree shall be protected using a 600mm x 50mm translucent green spiral guard (or similar approved) wrapped around the bottom of the tree stem.
- The tree shall be planted in strict accordance to BS8545: 2014 paying specific regard to Section 10.5 (10.5.1 -10.5.3 inclusive).
- In soft landscape areas, mound the sides of tree pits to hold water (Refer Fig. 3 BS8545:2014).

 Top dress with 75mm settled depth of mulch as specified (paying specific regard to maintaining a mulch free area directly around the root flare of the tree in accordance with BS8545: 2014).
- Tree pit minimum 600x600x400mm deep to comfortably accept root system. Enlarge if required to ensure that the tree pit diameter is at least 75mm greater than the tree root spread. Sides of pit loosened with fork prior to planting. Back fill with a mix of topsoil (to BS 3882) and 80 litres of peat free organic planting compost with a pH of 6.5-7.5
- (If required) Break up bottom of pit to a depth of 150mm if deemed necessary in accordance with BS8545: 2014

NOTE:
ROOT BARRIERS ARE TO BE INSTALLED (WHERE REQUIRED) TO TREES
ADJACENT TO SERVICES AND BUILDINGS AND INSTALLED IN
ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND
SPECIFICATIONS.

DETAIL 3: TYPICAL FEATHERED TREE (200-250MM) PLANTING DETAIL 1:20 (Refer to Figures F1 to F6 in BS8545: 2014 for further guidance)

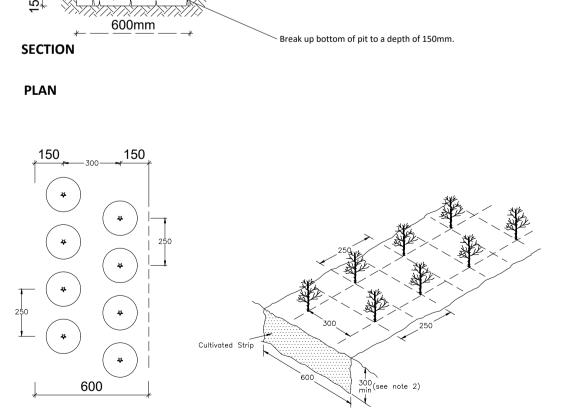


The age and height shall be to BS 3936 Part 1 and shall be as

- Tree pit 300x300x300mm deep or large enough to comfortably fit root system. Sides of pit loosened with fork prior to planting. Back fill with a mix of topsoil (to BS 3882) and 10 litres of peat free organic planting compost with a pH of 6.5-7.5 Incorporate 'Sierrablen Flora' slow release fertiliser tablets (15+9+9NPK) at the rate of 2 x15g tablets per pit.
- Soil level at nursery to be marked. Plant transplant at a depth to match this level. Allow for watering hollow.
- (If required) Break up bottom of pit to a depth of 150mm if deemed necessary.
- Tree shelter 600mm high (colour: Green)
 Nested in 5 diameters from 80mm to 120mm to suit size of plant stock.
 Available from: Tubex Plant Care Products,
 or similar approved.
- **5** Base of guard firmly pressed into soil Earth up if necessary.
- Surface vegetation removed within at least 50cm of planting position.

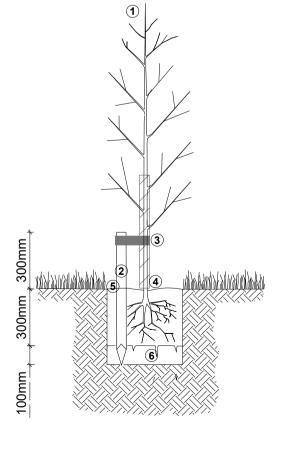
 Timber tree stake previously treated with water based preservative to BS 1282: 1999. 750 x 32 x 32mm, driven a minimum of 200mm below ground level in to solid ground.
- 7 2 no.Pre-fitted releasable nylon ties, fitted about 350mm apart secured to stake



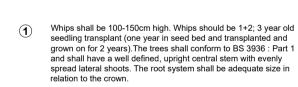


DETAIL 6: TYPICAL NATIVE HEDGEROW PLANTING DETAIL 1:20 (8 PER LINEAR METRE DOUBLE STAGGERED ROW)

PLANTING METHOD & SPACING

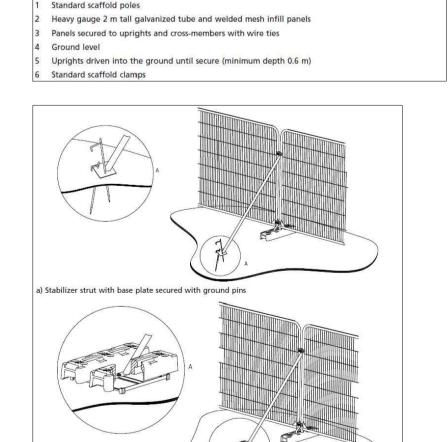


DETAIL 4: TYPICAL WHIP (100-150MM)
PLANTING DETAIL 1:20



- The whip shall be supported by a peeled and turned larch or chestnut stake which have been previously treated with water based preservative to BS 1282: 1999. The stake shall be a minimum diameter of 50mm and pointed at one end. The stake shall be driven 100mm into ground below the excavated tree pit (or as necessary to secure the tree) and positioned as near to the whip as possible without interfering with the root system. The stakes shall project 300mm above ground level.
- Whips shall be securely tied by adjustable reinforced rubber buckle ties with spacers positioned to prevent any abrasion between stake and tree. Tree ties shall not be positioned more than 20mm below top of stake. Ties should be secured to stake.

 The base of the tree shall be protected using a 600mm x 50mm translucent green spiral guard (or similar approved) wrapped around the bottom of the tree stem.
- Plant to existing nursery soil level.
 In soft landscape areas, mound the sides of tree pits to hold water.
 Top dress with 75mm settled depth of mulch as specified (paying specific regard to maintaining a mulch free area directly around the root
- Tree pit minimum 400x400x300mm deep to comfortably accept root system. Enlarge if required to ensure that the tree pit diameter is at least 75mm greater than the tree root spread. Sides of pit loosened with fork prior to planting. Back fill with a mix of topsoil (to BS 3882) and 15 litres of peat free organic planting compost with a pH of 6.5-7.5
- (If required) Break up bottom of pit to a depth of 150mm if deemed necessary.



DETAIL 7: TREE PROTECTION FENCING DETAIL
(In accordance with BS:5837 2012 Trees in Relation to Design Demolition and Construction: Recommendations)

1:20 0.4 0.8 1.2 1.6 2.0 2.4m

b) Stabilizer strut mounted on block tray

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SAFETY - HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards / risks normally associated with the types of work detailed on this drawing, note the following:

Construction

No abnormal risk.

Maintenance / Cleaning

- The Contractor and Facilities Manager are reminded that the perimeter of the site is maintained as fully accessible to the public. In this, all footpaths and roadways, including those upon which soft landscape impacts, are to be maintained in a clean and tidy condition and free from over hanging vegetation.
- Particular care is to be taken when maintaining shrub planted areas to avoid accidental contact with dangerous waste materials, which may have been discarded in such areas.
- 3. The use of chemical based herbicides in landscape maintenance is to be discouraged in favour of organically based herbicides.
- discouraged in favour of organically based herbicides.
 Pruning of trees and shrubs during the bird nesting season must be undertaken following a thorough inspection for the presence or otherwise of active nests.

Decommissioning / Demolition

- In the event of existing tree removal, all soft landscape areas and trees must first be inspected for the presence of nesting birds and all protected species generally. Ideally, tree and shrub removal should be undertaken outwith of the recognised bird nesting season which is March to September.
- Prior to the removal of shrub planting, a thorough site cleanse must be undertaken to establish the absence of any potential dangerous waste material, which could cause accidental harm.

It is assumed that all works will be carried out by a competent contractor, working where appropriate, to an approved method statement. This is not an exhaustive list and reference should be made to the Health and Safety Plan. Where no items are indicated no residual risks are thought to be present.

ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF ANY WORK. PLACEONEARTH ARE TO BE NOTIFIED OF ANY OMISSIONS OR ERRORS PRIOR TO COMMENCMENT OF ANY SETTING OUT, WORKS OR ORDERING OF MATERIALS.

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OMEGA ST. HELENS LTD / T.J.MORRIS LIMITED

OMEGA ZONE 8

INDICATIVE LANDSCAPE DETAILS (INFRA DWG 17)

Drawing No. POE_199_007		12/19	
		Date	Revision
NRW/PT	NRW	1:20@A1	PLANNING
Drawn	Checked	Scale@A	I Issue

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