

LANDSCAPING, PLANTING AND MAINTENANCE SCHEDULE

SITE OF SURVEY

THE VALE OF
GLAMORGAN COUNCIL
TOWN AND COUNTRY PLANNING ACT 1990
APPROVED
SUBJECT TO COMPLIANCE WITH CONDITIONS (IF ANY)

CLIENT

Brynheulog

Welsh St Donats, Cowbridge,
Vale of Glamorgan, CF71 7SS

Mr Luke England

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5TH December 2014

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1. INTRODUCTION

1.1 DEVELOPMENT SITE LANDSCAPING

Please refer to pre development site survey and Arboricultural Impact assessment (November 2014) and associated method statements)

Providing a soft and hard landscape scheme within the overall development proposal for small and large scale projects is essential to enhance the scenic character and visual amenity of the site. Care should be taken to select plants and materials that have a sustainable future and tie in to the existing surrounding landscape and where required ensure continuity and enhancement to existing wildlife corridors or other habitat islands and providing screening for surrounding property. Where the development site is within a conservation area or adjacent to protected trees or listed buildings there will also be a requirement to ensure the character of the area and the protected features are maintained or enhanced.

The success of soft landscaping schemes depends largely on the correct selection of plants and the correct method of planting in well prepared ground with planned aftercare. Existing trees and shrubs should also be adequately protected during the construction phase as these can provide an immediate sense of maturity for the benefit of a site and its surroundings, raising the overall quality of a scheme and enhancing property value.

This document has been prepared in accordance with guidelines set out in BS 8545 2014 in that: The outcome of the scheme has been considered in relation to points 5.3 of the publication where both the benefits and adverse effects have been considered in plant selection. The environmental considerations relating to the local conditions and potential climatic change have been considered (see: 5.5 of BS 8545, & *Trees for climate change RHS plant selection guide*) <https://www.rhs.org.uk/advice/profile?PID=712>)

The information in this document is also based on the knowledge and practical experience of its authors and the locally available resources.

1.2 Assignment and documents provided

We have been instructed by Luke England to:

Prepare a landscape schedule for the site above in accordance with BS5837:2012 /BS 8545

1.3 QUALIFICATIONS AND EXPERIENCE

Qualifications and experience in arboriculture horticulture plant biology and environmental studies.

Mr G.M. Ayres M Arbor A BSc Hons ND Arb

1. QUALIFICATIONS

- BSc (Hons) Biological Sciences & Environmental studies
- Diploma in Biological Sciences
- Surrey County Diploma in Arboriculture 1981 – Merrist Wood College
- Ordinary National Diploma in Arboriculture – 1981 Merrist Wood College, Surrey
- Professional member of the Arboricultural Association

2. PROFESSIONAL AFFILIATIONS

- Arboricultural Association

Mr .T.A.SEYMOUR BA Hons M Arbor A ND Arb

1. QUALIFICATIONS

- BA (Hons) Geog/Enviro
- Diploma in Geography and Environment
- Professional member of AA
- Diploma in Supervisory Studies
- Surrey County Diploma in Arboriculture 1981 – Merrist Wood College
- Ordinary National Diploma in Arboriculture – 1981 Merrist Wood College, Surrey

5. PROFESSIONAL AFFILIATIONS

- Arboricultural Association
- Member of the BSI
- Woodland trust Volunteer

1.4 Methodology

This report has drawn on our practical plant knowledge and experience, site observations and findings as well as reference to guidelines set out in BS 8545 and publications including the International Journal of Arboriculture, the Forestry Commission Woodland Trust and RHS on tree planting in relation to climate change.

1.5 LIMITATIONS AND USE OF COPYRIGHT

All rights in this report are reserved. No part of it may be reproduced or transmitted, in any form or by any means without our written permission. Its contents and format are for the exclusive use of Nicola and David Spiteri and associates. It may not be sold, lent out or divulged to any third party not directly involved in this situation without the written consent of Cardiff Treescapes.

We have no connection with any of the parties involved in this situation that could influence the opinions expressed in this report

2. THE SITE

2.1 SITE DESCRIPTION AND LOCAL CONTEXT

Our site visit was undertaken on 2nd December 2014. The site comprises a private residence and garden. The house is within the small village of Welsh St Donats and is screened to the west by an overgrown hedgerow that was once layed. There are few other significant trees in the garden which is overgrown although a Deodar Cedar is worth retaining. Other garden shrubs and trees are to be removed to facilitate the development.

2.2 CONSTRAINTS :SOIL EVALUATION

No site survey detailing soils or contaminants has been undertaken. There was no evidence of disturbance or alterations to the ground or soils that would affect plant growth or drainage. Trees and shrubs in the garden generally were found to be growing normally with no evidence to suggest further analysis or testing was required.

2.3 SOIL IMPROVEMENTS REQUIRED

Planting pits for trees and shrubs will require proper preparation as detailed in the method statements attached ensuring sub soils are broken down and organic matter is incorporated within the top soil used in the planting pits which must comply with BS3882 Specifications for soil and requirements for use. No further soil improvements are required on the remaining site.

2.4 Selection of Plants

Within the scope of the overall development the objectives of this planting scheme are to provide plants that;

- * are manageable and provide screening for neighbouring residents
- * are suited to the local conditions
- * are compatible with local landscapes
- * are considered to be adaptive to potential climatic changes
- * Provide potential habitat and foraging for wildlife
- * Have been sourced locally to minimise transport costs
- * Provide suitable replacement for protected tree (TPO)

In accordance with Guidance notes from Figure 2 Section 5. Policy and Strategy BS 8545 :2014


Trees and shrubs supplied will be inspected to ensure they comply with guidelines set out in BS 8545 Annex D

Trees and shrubs supplied will be stored in accordance with guidelines set out in BS 8545 Annex E

Trees and shrubs supplied will be planted in accordance with guidelines set out in BS 8545 Annex F.

Trees and shrubs supplied will be maintained in accordance with guidelines set out in BS 8545 Annex G.

2.4 TABLE 1: The Shrubs and Trees

Common name	Latin name	Quantity	Ht	Specification	Supplier	Attributes	Photograph
50m Mixed Hedgerow: Hawthorn/ Quick thorn Field Maple Hornbeam Elder	<i>Cretagus monogyna</i> , <i>Acer campestre</i> , <i>Carpinus betulus</i> , & <i>Sambucus nigra</i>	350	.75- 1.0m	2+1 bare root hedging whips	WYEVALE NURSERIES KINGS ACRE HEREORD	Decorative stems and dense screening foliage	
Snowy mespilus	Amelanchier lamarkii	2	1.8- 2.5m	10-12 girth 45L	WYEVALE NURSERIES KINGS ACRE HEREORD	<i>A. lamarkii</i> is a large erect deciduous shrub or small tree of open habit, with bronze-tinged young leaves turning orange and red in autumn. White flowers in short erect racemes. Fruit a red to purple berry, soon eaten by birds	

Holly	<i>Ilex aquifolium</i>	3	1.8-2.0m	15l pot	WYEVALE NURSERIES KINGS ACRE HEREORD	Evergreen native hedge plan	
Field Maple	<i>Acer campestre</i>	1	1.8-2.5m	45l pot 12-14cm	WYEVALE NURSERIES KINGS ACRE HEREORD	Native deciduous tree	
Downy Birch	<i>Betula pubescens</i>	1	1.8-2.5m	45l pot 12-14cm	WYEVALE NURSERIES KINGS ACRE HEREORD	Native deciduous tree	

APPENDIX I

**PLANTING NURSERY STANDARD TREES
CONTAINERISED SHRUBS, HEDGING PLANTS AND
POST MAINTENANCE**

CLIENT	Mr Luke England
THE SITE	Brynheulog Welsh St Donats, Cowbridge, Vale of Glamorgan, CF71 7SS
STATEMENT PROVIDED BY	CARDIFF TREESCAPES 17 RAVENSCOURT CLOSE PENYLAN CARDIFF CF23 9DJ

1.0 INTRODUCTION

- 1.1 This method statement describes the procedure required for the planting and post maintenance of containerised trees and shrubs.
- 1.2 Although containerised trees can be planted throughout the year, we would recommend planting in the dormant season between November and early March. Planting outside this period would require careful watering management.
- 1.3 The recommendations for tree and shrub species and dimensions are detailed below and were available at the time of this report but will be subject to availability:

2.0 METHODOLOGY

- 2.1 The Planting pits for trees will be no less than 0.75m.x 0.75 wide and dug to a depth of no less than 450mm ensuring sub soil is broken down to allow drainage, levelled and cultivated to a fine tilth. If the existing soil is in poor condition it shall be replaced with a similar soil type as to recommendations in “BS3882 – Specifications for Topsoil 1994”.
- 2.2 Any weed growth will be removed, including the roots systems using a garden fork.
- 2.3 Mark out the size of the planting pit with a spade by scraping the edge along the ground surface. The planting pit will be square in shape and be a minimum of 40cms larger than the diameter of the containerised root ball. Screen planting areas should be marked out on site and if required turf removed to create planting bed.
- 2.4 The final depth of the planting pits will be the same as the height of the root ball of the tree/shrub from the base of the container to the inner compost level. This can be measured by holding the spade or cane against the container and transferring the measurement to the planting pit.
- 2.5 Loosen the base and sides of the planting pit with a garden fork and lightly firm the base of the pit. The trees will be supported with a single 1.8m tanolised tree stake driven into the base of the planting pit at this point and tied to this stake with individual tree ties allowing good space between the tree and stake. Hedging plants will not require support.
- 2.6 Prune any damaged branches and formative prune the crown as per to BS3998 “Recommendations for Tree Work” (2010) ^{SEE ALSO} Fig. G1 BS 8545. No heavy pruning or crown reduction will take place at this time.
- 2.7 Transfer the trees/shrubs, removed from containers without disturbing the root ball, into the planting pit; centrally position it with the stake(s) to ensure ties can be applied and check the pit dimensions against the root ball.
- 2.8 If the excavated soil condition and structure is poor, it can be ameliorated at this stage using well composted organic matter or a commercially developed material developed for the purpose. Any organic matter addition shall not exceed 5% of the total volume of the tree pit. Excessive organic matter may lead to serious soil settlement meaning that the root ball and root collar will finally settle below the soil level.

- 2.9 Care shall be taken to avoid disturbing the root ball.
- 2.10 Any weed growth will be removed from the surface of the root ball and disposed of.
- 2.11 The backfill soil mix will be placed into the planting pit, filling the void between the root ball and the sides of the planting pit. The excavated top soil will be used for topping up, if required. The backfill shall be worked around the root ball in layers of 10 – 15 cms with each layer being carefully firmed using the sole of the foot without damaging the root ball.
- 2.12 During the process of backfill, the trees/shrubs will continually be checked for straightness.
- 2.13 Any leftover soil and debris arising from the planting will be removed and disposed of accordingly.
- 2.14 The trees and shrubs will be mulched with a well-composted organic mulch such as woodchip to a depth of 8cms when settled. The mulch will be placed around the base of the tree to a diameter of no less than 1m to form a bund for water retention. No build-up of mulch will be situated around the base of the stem as any heat produced by the mulch may kill the cambium and also prevent respiration.
- 2.15 The trees/shrubs will be watered immediately by slowly filling the mulch bund with ten litres of water allowing for the water to soak into the root ball and planting pit.

1. MAINTENANCE

- 3.1 During the first two growing seasons after planting, the trees/shrubs will be watered regularly especially during dry periods from March to October. The amount of water required will be dependent on the soil type but water logging will be avoided. Any water should be applied slowly avoiding run off away from the root ball. An ideal way to achieve this is with a seep hose placed in a spiral pattern around the base of the tree. Tree stakes can be removed at this point or if the root system has not sufficiently established the tree should be assessed for replacement or re staking.
- 3.2 All grass and weed compaction around the base of the tree to a minimum of 1m diameter shall be eliminated in the first three growing seasons.
- 3.3 The mulch shall be topped up to maintain a depth of 8cm during the first three growing seasons.
- 3.4 The ties and stake can be removed once the root system has established in the ground and the tree is firmly rooted within the first two years.
- 3.5 Any trees or shrubs dying within the first 5 years of completion will be removed and replaced with similar size and species.

4.0 MATERIALS

- 4.1 Topsoil and subsoil to BS 3882 (Table 1)
- 4.2 Contact: BRITISH TOP SOIL

WENVOE DEPOT S WALES

- 4.3 Organic Matter (if soil condition poor), Mulch,
- 4.4 Tree stakes 7 no. round 1.8m treated <80mm dia