



PLANTING ESTABLISHMENT AND MAINTENANCE NOTES

1.0 GENERAL

- These outline specification notes are for guidance only.
- All works to be undertaken by a competent and qualified specialist landscape contractor.
 - The contractor must verify the locations of all below ground services prior to tree planting and other works
 - Existing trees and shrubs to be retained to be fenced in accordance with the provisions of BS5837 (Trees in Relation to Construction) prior to commencement of works.
 - Trees, hedges and shrubs to be retained are to be protected and clearly marked on site.
 - No spoil heaps, rubbish, machinery, plant or fuel to be stored in proximity to existing plants - in the case of trees this restriction extends to the spread of the tree canopy.
 - Protective fencing to be maintained during site works.

2.0 LANDSCAPE MANAGEMENT GENERAL

- The overall objectives for the Management Plan are as follows:
- To ensure the successful planting operations, establishment and continued growth through to maturity of the trees, shrubs, hedgerow planting for the benefits of the users and wildlife;
 - To ensure that both the existing planting to the boundaries of the site and proposed planting integrate successfully in creating an enhanced landscape structure and effective visual screen for sensitive receptors with potential views to the development area;
 - To ensure the methods employed respect and encourage wildlife, wherever possible; and
 - Defects in the landscape are identified early and addressed promptly.

3.0 MAINTENANCE & PLANT GUARANTEE

- All planting beds / tree pits to be kept in a weed free condition.
- Spot treat pernicious or notifiable weeds (e.g. thistle, nettle, dock, ragwort).
- Watering to be undertaken as necessary to ensure good establishment and growth of plants.
- Stakes and ties to be checked and adjusted regularly.
- Litter to be removed from planting beds.
- Pruning to be undertaken as necessary to ensure development of correct form and habit
- All planting and seeding to be subject to 12 month defects replacement guarantee period whereby all failed material to be replaced to original specification.
- Long term maintenance to comprise removal of tree stakes (circa year 3-5 after planting), crown pruning as necessary to maintain shape, removal of damaged or diseased branches.

4.0 SOILS, CULTIVATION & MULCH

SOILS, CULTIVATION & MULCH IMPORTED OR EXISTING SITE SUBSOIL

- DEPTHS TO BE FORMED FOR NEW PLANTING AREAS
- SUBSOIL: minimum 500mm
- TOP SOIL: minimum 500mm
- Used as a free draining subbase to topsoiled areas and a rooting substrate for deeper rooting plants. Subsoil to be approved by the CA prior to spreading topsoil.
 - Subsoil to be friable, free draining, free from weeds and stone greater than 75mm in any dimension, free from phytotoxic compounds, waste, rubble, hazardous or other deleterious material.
 - Base of planting beds to be existing approved subsoil broken up and thoroughly decompacted to minimum 300mm depth (or otherwise as necessary to ensure a free draining rooting medium) prior to placing topsoil. Where existing substrates are unsuitable as a subsoil, excavate and remove substrates and replace with an imported subsoil spread to 600mm settled depth.

IMPORTED OR EXISTING SITE SUBSOIL

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- Base of planting beds to be existing approved subsoil broken up and thoroughly decompacted to minimum 300mm depth (or otherwise as necessary to ensure a free draining rooting medium) prior to placing topsoil. Where existing substrates are unsuitable as a subsoil, excavate and remove substrates and replace with an imported subsoil spread to 500mm settled depth.

IMPORTED OR SITE RECLAIMED TOPSOIL

- Used as a planting medium for trees and shrubs.
- Imported topsoil to be an approved quality general purpose topsoil to BS 3882, free of weeds, stones, contamination and all deleterious material.
- Topsoil to be placed on friable, free draining subsoil.
- Topsoil to planting beds to be 500mm settled depth.
- Topsoil in new or replanted beds to be rotovated to 200mm depth to produce a medium tilth, incorporating soil conditioner
- Planting beds to be cleared of weed/grass growth prior to planting.
- All tree and shrub planting pits and planting areas to receive approved quality 'Amenity Bark Mulch' to 75mm settled depth after planting.

5.0 ESTABLISHMENT MAINTENANCE & PLANT GUARANTEE

- All planting beds / tree pits to be kept in a weed free condition.
- Spot treat pernicious or notifiable weeds (e.g. thistle, nettle, dock, ragwort).
- Watering to be undertaken as necessary to ensure good establishment and growth of plants.
- Stakes and ties to be checked and adjusted regularly.
- Litter to be removed from planting beds.
- Pruning to be undertaken as necessary to ensure development of correct form and habit
- All planting and seeding to be subject to 12 month defects replacement guarantee period whereby all failed material to be replaced to original specification.
- Long term maintenance to comprise removal of tree stakes (circa year 3-5 after planting), crown pruning as necessary to maintain shape, removal of damaged or diseased branches and addition of slow release fertiliser in Year 2-3 after planting.

Tree and Scrub Planting

					Area: 2262m ²
					Number
Species	Common Name	% mix	Density	Specification	
Alnus glutinos	Alder	10	1.5 m ² spacing	BR 1+1 60-80	151
Betula pendula	Birch	10	1.5 m ² spacing	BR 1+1 60-80	151
Betula pubescens	Downy Birch	10	1.5 m ² spacing	BR 1+1 60-80	151
Crataegus monogyna	Hawthorn	15	1.5 m ² spacing	BR 1+1 60-80	226
Pinus sylvestris	Pine	10	1.5 m ² spacing	3L 40-60	151
Prunus spinosa	Blackthorn	10	1.5 m ² spacing	BR 1+1 60-80	151
Sorbus aucuparia	Rowan	10	1.5 m ² spacing	BR 1+1 60-80	151
Salix caprea	Goat Willow	7.5	1.5 m ² spacing	BR 1+1 60-80	113
Salix cinerea	Gret Willow	7.5	1.5 m ² spacing	BR 1+1 60-80	11
Ulex europaeus	Gorse	10	1.5 m ² spacing	2L 20-30	11

Whip planting within plastic shelters, in accordance with specification. Pine & Gorse in wider diameter shrub shelters

Plants to be planted in odd number groups, minimum 5 plants per group. **Excluding Pine** - single planting spaced throughout plantation

Salix and Alder to be planted within areas of wet soils, notably the northern ditch corridor

Attenuation Basin - Marginal and Emergent Planting

Species
Typha latifolia
Phragmites australis
Caltha palustris
Mentha aquatica
Iris pseudacorus
Myosotis scorpioides

Wetland fringes to be created using translocated material taken from site.

Donor areas of marshy grassland will be cut and turves translocated to the edge of the attenuation basin.

Substrate from wet areas adjacent to the basin will be translocated to the help form the wetland fringe.



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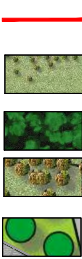
JOB TITLE

GOAT MILL ROAD, MERTHYR

DRAWING TITLE

LANDSCAPE AND ECOLOGICAL MASTERPLAN

KEY



- PLANNING APPLICATION BOUNDARY
- RETAINED OPEN MOSAIC GRASSLAND HABITAT (incl Translocation)
- RETAINED WOODLAND AND SCRUB
- PROPOSED NATIVE WOODLAND / SCRUB MITIGATION PLANTING (MIX A)
- STANDARD TREES (CAR PARK AREA)



- PROPOSED SURFACE WATER POND
- PROPOSED MARGINAL WETLAND PLANTING (MIX B)
- PROPOSED WET SCRAPES
- PROPOSED CLOSE BOARDED FENCE
- PROPOSED PALADIN SECURITY FENCE

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