Planting Schedules

Trees

Abbreviation	Species	Specification	Height	Girth
Ac	Acer campestre	Standard :2x :RB :4brks	300-350cm	10-12cm
AcSt	Acer campestre 'Streetwise'	Standard :2x :RB :4brks	300-350cm	10-12cm
Afre	Acer x freemannii	Standard :2x :RB :4brks	300-350cm	10-12cm
Al	Alnus glutinosa	Standard :2x :B :4brks	300-350cm	10-12cm
AiA	Alnus incana 'Aurea'	Standard :2x :B :4brks	300-350cm	10-12cm
BEPE	Betula pendula	Heavy Standard :3x :RB :5brks	350-425cm	12-14cm
Cmo	Crataegus monogyna	Feathered :2x :B	125-150cm	
PINSY	Pinus sylvestris	4x :RB	175-200cm	
Pav	Prunus avium	Standard :2x :B :4brks	300-350cm	10-12cm
Qpet	Quercus petraea	Heavy Standard :3x :RB :5brks	350-425cm	12-14cm
Qr	Quercus robur	Heavy Standard :3x :RB :5brks	350-425cm	12-14cm
Sau	Sorbus acuparia	Standard :2x :RB :4brks	300-350cm	10-12cm
SaM	Sorbus aria 'Majestica'	Heavy Standard :3x :RB :5brks	350-425cm	12-14cm

Native hedgerow mix

%	Abbreviation	Species	Specification	Density
15	Cav	Corylus avellana	1+1 or 1/1 : Branched : :2 brks :B	0.3Ctr Double Staggered at 0.25m offset
30	Cmo	Crataegus monogyna	1+1 or 1/1 : Transplant - seed raised :B	0.3Ctr Double Staggered at 0.25m offset
5	Ia	Ilex aquifolium	C: Leader and laterals	0.3Ctr Double Staggered at 0.25m offset
25	PRUSP	Prunus spinosa	1+1 or 1/1 : Branched : :2 brks :B	0.3Ctr Double Staggered at 0.25m offset
5	Rca	Rosa canina	1+1 or 1/1 : Branched : :3 brks :B	0.3Ctr Double Staggered at 0.25m offset
10	SAMNI	Sambucus nigra	1+1 or 1/1 : Branched : :3 brks :B	0.3Ctr Double Staggered at 0.25m offset
10	VIBOP	Viburnum opulus	1+2 or 1/2 : Branched : :3 brks :B	0.3Ctr Double Staggered at 0.25m offset

Formal hedgerow

%	Abbreviation	Species	Specification	Height
100	CARBET	Carpinus betulus	Feather :3 brks :2x :B	150 - 175cm

Tall shrub planting:

Abbreviation	Species	Specification	Density
CaElg	Cornus alba ' Elgantissima'	Branched: 4brks :40-60cm height :C	0.7Ctr
CsaMF	Cornus sanguinea 'Midwinter Fire'	Branched: 4brks :40-60cm height :C	0.7Ctr
CserFl	Cornus sericea 'Flaviramea'	Branched: 4brks :40-60cm height :C	0.7Ctr
Cav	Corylus avellana	Branched: 2brks :40-60cm height :C	1Ctr
Cmo	Crataegus monogyna	1+1 or 1/1: Transplant-seed raised: B	1Ctr
Rca	Rosa canina	1+1 or 1/1: Branched : 2brks :B	1Ctr
SAMNI	Sambucus nigra	1+1 or 1/1: Branched :3 brks :B	1Ctr
Ue	Ulex europaeus	Bushy: 3brks : 20-30cm height :C	0.7Ctr
VIBB	Viburnum burkwoodii	Branched: 3brks :30-40cm height :C	0.7Ctr
VIBOP	Viburnum opulus	1+1 or 1/1: Branched :2brks: B	1Ctr

Medium shrub planting: Pot sizes 3 - 5L

Abbreviation	Species	Specification	Density
Maj	*Mahonia japonica*	Leader(s): 30-40cm height :C	0.6Ctr
PhBE	Philadelphus 'Belle Etoile'	Branched: 4brks: 30-40cm height :C	0.6Ctr
PhS	Philadelphus 'Snowbelle'	Branched: 4brks: 30-40cm height :C	0.6Ctr
SjRu	Skimma japonica 'Rubella'	Bushy :4brks :40-60cm height :C	0.7Ctr
ScKG	Skimma x confusa ' Kew Green'	Bushy :3brks :30-40cm height :C	0.6Ctr
VIBD	Viburnum davidii	Bushy :4brks :30-40cm height :C	0.7Ctr

Ground cover and low shrub planting: Pot sizes 2 - 3L

Abbreviation	Species	Specification	Density
BeBW	Berginia 'Bressingham White'	C	0.5Ctr
BeS	Berginia 'Sunningdale'	C	0.5Ctr
EcfaI	Erica carnea f. alba 'Isabelle'	Bushy: C	0.5Ctr
EcMyR	Erica carnea 'Myretoun Ruby'	Bushy: C	0.5Ctr
EfEG	Euonymus fortunei 'Emerald Gaiety'	Bushy :7brks :20-30cm diameter :C	0.5Ctr
EfES	Euonymus fortunei 'Emerald Surprise'	Bushy :7brks :20-30cm diameter :C	0.5Ctr
JsBS	Juniperus squamata 'Blue Star'	Bushy: 20-30cm diameter :C	0.5Ctr
MaA	Mahonia aquifolium 'Apollo'	Branched :2brks :20-30cm height :C	0.6Ctr
POTFRDa	Potentilla fruticosa 'Daydawn'	Bushy :4brks :20-30cm diameter :C	0.5Ctr
POTFRPB	Potentilla fruticosa 'Pink Beauty'	Bushy :4brks :20-30cm diameter :C	0.5Ctr
VmajV	Vinca major 'Variegata'	C	0.5Ctr
VminfaGJ	Vinca minor f. alba 'Gertrude Jekyll'	C	0.5Ctr

Outline Implementation Specification

The site forms part of the former Welsh Foods Country Abitroir The proposed development involves demolition of existing building and construction of 11 new industrial units.

Ground preparation:
Protection of existing trees and hedges against damage to be in accordance with the BS 5837:2012 - Trees in relation to design, demolition and construction - Recommendations. Protective fence to be approved.

Excavations to B.S. 8000 part 1:1989. Excavated material removed off-site; good quality subsoil/topsoil stored on-site for re-use.

Imported soil:
Soils shall be imported as required to complete the soft landscape scheme. Imported soils must be suitable for their specific use. Import of soil shall be in accordance with the British Standards, BS 8601:2013 (subsoil) and BS 3882:2015 (topsoil).

Soil placement should only take place where the receiving substrate is fit for purpose. For example, where large container or root-balled tree planting is proposed, topsoil should not be placed onto compacted, poorly drained sub-soil, or soil compacted to bulk densities that will impede root growth.

Subsoil: Supply approved imported subsoil to B.S. 8601:2013 Specification for subsoil and requirements for use - Multipurpose subsoil to make up any deficiency in on-site subsoil. Spread and level to a depth as noted below. Imported soil must be tipped and compacted only to the appropriate bulk densities. Imported subsoil to be broken-up where there has been compaction. For in-situ, the subsoil should not be undisturbed, other than where there has been compaction. The imported subsoils must be suitable for their specific use (F).
Topsoil: Supply approved imported topsoil to B.S. 3882:2015 Specification for topsoil - Multipurpose topsoil to make up for any deficiency in on-site topsoil. Spread and level to a depth as noted below (G).

Certification of soil shall be in accordance with BS 8601/3882. The sand contents should consist of medium to fine grades at approximately equal quantity.

Soil profiles:
Soil profiles should comprise:
- 300mm topsoil over 600mm subsoil for tree planting.
- 300mm topsoil over 300mm subsoil for hedge planting areas.
- 300mm topsoil over 300mm subsoil for shrub planting areas.
- 100mm topsoil over 300mm subsoil for amenity grass areas.
- no topsoil and 300mm subsoil for meadow grass areas.

Avoid a sharp interface between topsoil and subsoil. Key in interface by rippling/mixing at boundary (D).

Excavation:
Trees: excavate a few centimeters shallower than root-ball and twice its width with sloping, scarified sides. Shrubs: excavate 300 x 300 x 300mm depth.

Tree pits:
A: Root-ball irrigation / aeration: To provide at least two per tree. Supplier: Green Blue Urban. Product: RootRain Urban, or similar.

B: Root-balls of trees shall be set on 100mm depth horticultural grade sharp sand. Refer to the tree pit typical detail.

C: Refer to bark mulch notes and tree pit detail.

D: Interface between top and subsoil: refer to soil profile notes.

E: Tree anchoring: Rootball fixing strap system to be provided by Platipus to secure the trees. Supplier: Platipus, or similar. Product: Tree Anchoring with Strap. Product Code: RF1s/RF2s (depending on tree size). Ref: www.platipus-anchors.com/applications/tree-and-irrigation/rootball-fixing-system---strap/

F: Subsoil: Refer to imported soil notes.

G: Topsoil: Refer to imported soil notes.

H: tree planting: refer to planting areas notes.

I: Subsoil dome to be created to base of rootball.

J: Root-balls to see all non-biodegradable wrappings and cages removed.

Backfilling:
Trees: Backfill to reinstate 300mm over 600mm profile and do not add compost or fertiliser unless a soil analysis demonstrates the need. If compost is applied it should be worked in generally to the top 150mm, not back-filled into tree pits.
Shrubs: Backfill to reinstate soil profiles provided above and do not add compost or fertiliser unless a soil analysis demonstrates the need.

Cultivation:
Do not cultivate tree and shrub planting soils, only cultivate prior to planting if the soil is compacted (for example due site/construction activities). Collect and remove from site all stones, builders' rubble and other deleterious material over 50mm in any dimension. Also refer to 'imported soils'.

Hedge Planting:
Planted in double staggered row with 0.25m spacing between the rows and 0.3m centres between plants.

Planting areas:
Plant specification to be in accordance with the HTA National Plant Specification: 03/02. Tree planting to be in accordance with BS 8545:2014 - Trees from nursery to independence in the landscape recommendations, and compliant with Table 1, P.21 BS 8545:2014 (H).

Grass Areas:
Supply and spread pre-seeding N:P:K. fertiliser (10:15:10) at a rate of 30g/m²

Amenity Grass areas to be sown at a rate of 35g/m² with a suitable grass seed mix such as Germinal A19. Initial grass cutting and edge trimming down to 50mm

Wildflower grass areas to be sown at a rate of 4g/m² with suitable grass seed mix such as Emorsgate Seeds EM2 - Standard general purpose meadow mixture.

A 3m wide buffer strip along the existing hedgerow to be sown at a rate of 4g/m² with suitable grass seed mix such as Emorsgate Seeds EH1 - Hedgerow mixture.

Maintenance:
All landscape areas to be maintained in accordance with B.S. 7370 Part 3:1991 and Part 4:1993; including weed control, and adjustment to tree stakes and ties.

General notes:
Substitutions, if made, should be similar in size, form and water demand.
Plants shall be arranged to avoid straight lines and geometric patterns.

Amber REI Holdings Ltd

Gaerwen Industrial Estate, Anglesey

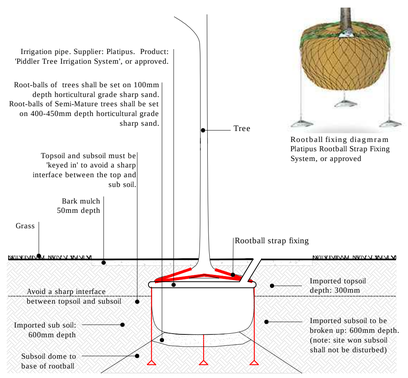
Soft Landscape Proposals

LA.01

Key

- Site boundary - Phase 1
- Site boundary - Phase 2
- Existing boundary trees to be retained
- Existing boundary hedgerows to be retained
- Proposed trees
- Proposed native hedgerows (refer to planting schedule native hedgerow)
- Proposed formal hedgerows (refer to planting schedule formal hedgerow)
- Proposed tall height shrub planting: over 1.5m high (refer to planting schedule tall shrub planting)
- Proposed medium height shrub planting: 1 - 1.5m high (refer to planting schedule medium height shrub planting mix)
- Proposed ground cover and low shrub planting: 0,1 - 1m high (refer to planting schedule ground cover and low shrub planting mix)
- Proposed hedgerow buffer grass mix
- Proposed wildflower grass mix
- Proposed species rich grass/ meadow planting for swales
- Proposed amenity grass
- Proposed SWALE location (refer to drainage plan)
- Fencing (refer to Architect's plan)
- 2.5m high acoustic fencing (refer to Environmental Consultant's plan)

NOTES:
- A tree survey has not been carried out for the site. The location of existing trees and hedgerows is shown indicatively.
- The proposed trees, hedgerows and shrub planting have been located without the knowledge of all existing and proposed above and below ground services.



Rootball fixing diagmram
Platipus Rootball Strap Fixing System, or approved

DETAIL: ALL TREE PLANTING
Typical section 1:25@A1

0 10 20 30 40 50m

Scale @ A1 - 1:1,000

North

A109869 LA01.dwg 21 March 2019

5th Floor, Longcross Court, 47 Newport Road, Cardiff CF24 0AD
☎ +44 (0)29 2082 9200 ✉ cardiff@wyg.com ⊕ www.wyg.com

© Crown copyright and database rights 2019 Ordnance Survey 0100031673.
© WYG Environment Planning Transport Limited 2019. Registered in England Number: 3050297