

Planting Schedule

Trees								
Number	Abbreviation	Species	Height	Girth	Specification			
3	ACECAM	Acer campestre	400-450cm	14-16cm	RB; 3x; Extra Hea\	y Standard; clear	stem minimum	200cm; 5 breaks
4	ACsw	Acer campestre 'Streetwise'	400-450cm	14-16cm	RB; 3x; Extra Heav	y Standard; clear	stem minimum	200cm; 5 breaks
3	A lam	Amelanchier lamarckii	250-300cm		RB; 3x; Multi-stem	n; bushy; 3 stems m	ninimum	
3	BET PEN	Betula pendula				y Standard; clear		
2	C be	Carpinus betulus	400-450cm	14-16cm	RB; 3x; Extra Heav	y Standard; clear	stem minimum	200cm; 5 breaks
10	PRUAVPL	Prunus avium 'Plena'				y Standard; clear		
1	T co 'G'	Tilia cordata 'Greenspire'	400-450cm	14-16cm	RB; 3x; Extra Heav	y Standard; clear	stem minimum	200cm; 5 breaks
5	TCSW	Tilia cordata 'Street Wise'	400-450cm	14-16cm	RB; 3x; Extra Heav	yy Standard; clear	stem minimum	200cm; 5 breaks
Total :31								

Specimen Shrubs

Number Abbreviation Species Height Pot Size Specification MAGLOLM Magnolia loebneri 'Leonard Messel' 175-200cm 35L RB; Branched; 5 breaks Counted Magnolia stellata 150-175cm 35L C; Branched; 5 breaks Counted Total:6

Native Structure Planting

Number	Area	Abbreviation	Species	Height Po	ot Size Specification	Density	%
36	34.5741m²	A ca	Acer campestre	60-80cm	1+1 :Bushy :5 brks :BF	7.1/m ²	15%
13	11.5247m²	CORSA	Cornus sanguinea	60-80cm	1+1 :Bushy :5 brks :BF	R 1/m²	5%
48	46.0988m²	CORAV	Corylus avellana	60-80cm	1+1 :Bushy :5 brks :BF	R 1/m²	20%
48	46.0988m²	C mon	Crataegus monogyna	60-80cm	1+1 :Bushy :5 brks :BF	R 1/m²	20%
13	11.5247m²	Еe	Euonymus europaeus	60-80cm	1+1 :Bushy :5 brks :BI	R 1/m²	5%
25	23.0494m²	la	Ilex aquifolium	60-80cm 3l	L Bushy :5 brks :C	1/m²	10%
48	46.0988m²	PRUSP	Prunus spinosa	60-80cm	1+1 :Bushy :5 brks :BF	R 1/m²	20%
13	11.5247m²	V ор	Viburnum opulus	60-80cm	1+1 :Bushy :BR	1/m ²	5%
Total:244	Total :230.494m²						

Native I	Mix Over Easer	ment						
Numbe	r Area	Length	Abbreviation	Species	Height	Pot Size	Specification	Density
9		1.2029m	A ca	Acer campestre	60-80cm	ì	1+1 :Bushy :BR	0.3Ctr Double Staggered at 0.5m offse
3	1.1447m²		A ca	Acer campestre	60-80cm		1+1 :Bushy :BR	
9		1.2029m	C be	Carpinus betulus	60-80cm	1	1+1 :Bushy :BR	0.3Ctr Double Staggered at 0.5m offse
3	1.1447m²		C be	Carpinus betulus	60-80cm	١	1+1 :Bushy :BR	2/m²
33		4.8117m	CORAV	Corylus avellana	60-80cm			0.3Ctr Double Staggered at 0.5m offse
10	4.5789m²		CORAV	Corylus avellana	60-80cm	1	1+1 :Bushy :BR	2/m²
9		1.2029m	la	llex aquifolium	60-80cm	า 5L	1+1 :Bushy :C	0.3Ctr Double Staggered at 0.5m offse

llex aquifolium 60-80cm 5L

Total :73.8701m

Prunus spinosa 60-80cm

Prunus spinosa 60-80cm

1+1 :Bushy :C 2/m²

1+1 :Bushy :BR 2/m²

1+1 :Bushy :BR 0.3Ctr Double Staggered at 0.5m offset

3.4341m² Total:111 Total:11.4471m² Total:12.0292m

Ornamanetal Hedgerow

Number Abbreviation Species Pot Size Specification Length 296 SARCO Sarcococca confusa 2L Bushy; 4 breaks 73.8701m

Single Species Native Hedgerow

Number Abbreviation Species Height Girth Length Specification Fagus sylvatica 60-80cm 42.0701m 1+2; Transplant - seed raised; 2 breaks

Total :42.0701m

Number	Length	Abbreviation	Species	Height Pot Size	Specification	Density	%
166	24.6915m	A ca	Acer campestre	60-80cm	1+1 :Bushy :5 brks :BF	R 0.3Ctr Double Staggered	at 0.5m offset 15
56	8.2305m	CORSA	Cornus sanguinea	60-80cm	1+1 :Bushy :5 brks :BF	R 0.3Ctr Double Staggered	at 0.5m offset 5
220	32.9221m	CORAV	Corylus avellana	60-80cm	1+1 :Bushy :5 brks :BF	R 0.3Ctr Double Staggered	at 0.5m offset 2
220	32.9221m	C mon	Crataegus monogyna	60-80cm	1+1 :Bushy :5 brks :BF	R 0.3Ctr Double Staggered	at 0.5m offset 2
56	8.2305m	Еe	Euonymus europaeus	60-80cm	1+1 :Bushy :5 brks :BF	R 0.3Ctr Double Staggered	at 0.5m offset 5
111	16.461m	la	Ilex aquifolium	60-80cm 3L	Bushy :5 brks :C	0.3Ctr Double Staggered	at 0.5m offset 10



Ornamental Mix 1 - Central Car Park Islands

Number	Abbreviation	n Species	Pot Size	e Specification	Densit	y %
19	ACHMI	Achillea millefolium	2L	Full pot	3/m²	10%
19	AJURE	Ajuga reptans	2L	Full pot; Sept to April planting; British native-origin		10%
13	CISCO	Cistus corbariensis	5-7.5L	Bushy; 6 breaks	2/m²	10%
19	DES GOL	Deschampsia cespitosa 'Goldtau'	2L	Full Pot	$3/m^2$	10%
19	DRYAFC	Dryopteris affinis 'Crispa'	2L	Full pot	3/m ²	10%
25	G 'R'	Geranium Rozanne	2L	Full pot	4/m²	10%
25	HYSS	Hyssopus officinalis	2L	Full pot	4/m²	10%
13	MAHAPOA	Mahonia aquifolium 'Apollo'	5-7.5L	Branched; 3 breaks	2/m²	10%
25	Rfs'G'	Rudbeckia fulgida sullivantii 'Goldsturm'	2L	Full pot	4/m²	10%
31	VЬ	Verbena bonariensis	2L	Full pot	5/m²	10%
Total:208						

Onamental Mix 2 - NE Cark Park

Number	Abbreviation	Species	Pot Size	Specification	Density	%
14	BUDGL	Buddleia globosa	3L	Branched; 4 breaks	2/m²	2%
43	Cb	Calamagrostis brachytricha	2L	Full pot	3/m ²	5%
27	C san 'M F'	Cornus sanguinea 'Midwinter Fire'	3L	Branched; 3 breaks	$3/m^2$	3%
69	DIGPU	Digitalis purpurea	1-1.5L	Full pot	5/m²	5%
135	ECHPA	Echinacea pallida	2L	Full pot	5/m²	10%
29	EUPCA	Eupatorium cannabinum	2L	Full pot; Sept to April planting; British native-origin	ı 2/m²	5%
108	GAULI	Gaura lindheimeri	2L	Full pot	4/m²	10%
86	HYSS	Hyssopus officinalis	2L	Full pot	4/m²	8%
135	MOL CAE	Molinia caerulea	2L	Full pot; Sept to April planting; British native-origin	ı 5/m²	10%
82	NEPGIAA	Nepeta 'Six Hills Giant'	2L	Full pot	5/m²	6%
82	PULOFFA	Pulmonaria officinalis 'Sissinghurst White'	2L	Full pot	5/m²	6%
108	Rfs'G'	Rudbeckia fulgida sullivantii 'Goldsturm'	2L	Full pot	4/m²	10%
108	SARHO	Sarcococca hookerana	3L	Bushy; 6 breaks	4/m²	10%
135	Vb	Verbena bonariensis	2L	Full pot	5/m²	10%

mental Mix 3 - Southern Car Park

Ornamer	ntal Mix 3 - Sol	Jthern Car Park				
Number	Abbreviation	Species	Pot Size	Specification	Density	%
17	ACHMI	Achillea millefolium	2L	Full pot	3/m²	5%
34	AJURE	Ajuga reptans	2L	Full pot; Sept to April planting; British native-origin	3/m ²	10%
17	DES GOL	Deschampsia cespitosa 'Goldtau'	2L	Full Pot	3/m ²	5%
57	ECHPA	Echinacea pallida	2L	Full pot	5/m²	10%
47	GEURI	Geum rivale	1-1.5L	Full pot; Sept to April planting; British native-origin	4/m ²	10%
47	HYSS	Hyssopus officinalis	2L		$4/m^2$	10%
47	MOL CAE	Molinia caerulea	2L	Full pot; Sept to April planting; British native-origin	4/m ²	10%
57	NEPGIAA	Nepeta 'Six Hills Giant'	2L	Full pot	5/m²	10%
34	POLSE	Polystichum setiferum	3L	Full pot	3/m ²	10%
57	PULOFFA	Pulmonaria officinalis 'Sissinghurst White'	2L	Full pot	5/m²	10%
47	SACA	Salvia nemorosa 'Caradonna'	2L	Full pot	4/m ²	10%
Total 1/41						

Native Bulb Planting - Open Areas

	Number	Abbreviation	Species	Density	%
	1467	AOAU	Colchicum autumnale	15/m²	20%
	1467	C tom	Crocus tommasinianus	15/m ²	20%
	786	NAAC	Narcissus 'Actaea'	8/m²	20%
	786	NASA	Narcissus 'Sailboat'	8/m²	20%
	786	Np'L'	Narcissus pseudonarcissus 'Lobularis'	8/m²	20%
	Total :5202	-	•		

Total :1161

Native Bui	b Planting - Ul	nder Tree Canopies		
Number	Abbreviation		Density	%
642	FRME	Fritillaria meleagris	10/m²	35%
814	GAL NIV	Galanthus nivalis	15/m ²	30%
506	HYNS	Hyacinthoides non-scripta	8/m²	35%

4 E 0.600

Tree pit detail 1 - Trees within Car Parking Areas (Scale: 1:20)

Required soil volume for Acer campestre 'Streetwise' 3.2m³ (Sandy Clay Loam) Trees and Design Action Group

- 1. Rootspace @600mm depth (1 unit deep) c/w twin walled geonet & open reinforcing mesh - gburs61a -
- 2. Topsoil for use within top 600mm of soil profile
- 3. Subsoil for use within soil profiles 600mm or deeper
- 4. Rootrain arborvent cast aluminium trafficable aeration inlet with 150mm square top and manifold - rrarbv150b (or acceptable equivalent)
- 5.Twin walled structural geonet (or acceptable equivalent)
- 6. 20mm Open reinforcing mesh
- 7. Arborguy anchorplate strapped anchor system sasap06a (or acceptable equivalent)
- 8. Rootrain arborvent irrigation system castle12a (or acceptable equivalent)
- 9. Medium rootdirector with root deflecting ribs rd1000-rsa (or acceptable equivalent) set at edge of planting area
- 10. 10 20mm Clean angular drainage aggregate gbudrsa (or acceptable equivalent) Notes:

A. Allow 20% additional for geotextile and reinforced geogrid for ovelap and cutting

B. Install rootspace side panels to installation as directed by engineer

C. Existing ground

D. Positive drainage pipe (110mm perforated pipe)

E. Build-up to suit engineer designs and requirements

Structural engineer's note:

Additional twinwall geonet (gltwgna) to be installed where sub-base is installed below 3% cbr - minimum 2% cbr of formation level to be assessed by engineer

To be coordinated and approved by project engineer at technical design stage

- Do not scale from this plan 2. All information outside red line boundary
- shown for contextual purpose only. 3. All hatch patterns are indicative only unless
- stated otherwise. 4. Any discrepancies in the design information are to be brought to the attention of Laird
- Bailey Landscape Architects, in writing. 5. Refer to other consultants' drawings and specifications for the following design
- information: • Levels & Drainage design and infrastructure
- Lighting and ducting Existing & proposed utilities
- 6. Plant quantities are to suit site areas in
- accordance with scheduled plant densities. 5. Any proposed plant substitution shall be agreed with the landscape architect prior to
- 6. Drawings are for planning purposes only.
- 7. For further details, consult relevant planting schedules

Grassland Update

Layout Update - Final Issue

Layout Update - Draft Issue

Rev Comment



13.05.24

09.05.24

19.03.24

Date

LAIRD BAILEY LANDSCAPE ARCHITECTS t: 0330 043 4883

e: hello@lbla.co.uk Costwolds | Somerset | South Wales

Client:

Albion Land

Project Title:

Catalyst Phase 4

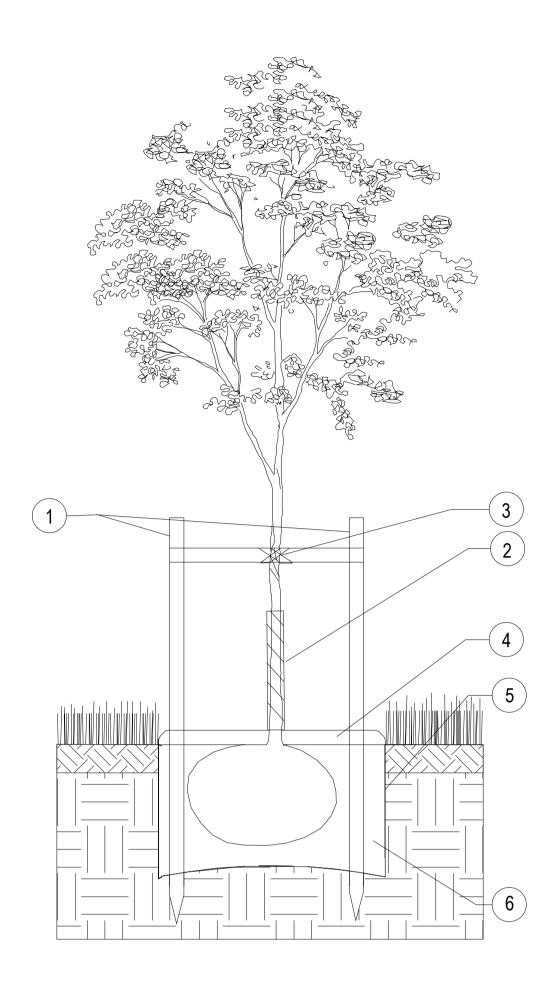
Drawing Title:

Detailed Soft Landscape Proposal (Sheet 5 of 6)

Date: 8 March 2024 Drawing Number: LB467_D01 Scale: See Details

Status: Final

Drawn By: MS Checked by: AL Revision: C Use: Planning



Tree Pit Detail 2 - Trees in Open Space (Scale: 1:20)

1. 2x tanalised timber tree stakes 2m, 75mm ϕ and crossbar driven into backfilled pit to provide support to the tree.

2. Clear spiral guard to be fitted to trunk to protect against animal browsing.

3. Use 2x Tree Ties GLB25A with GLPFA spacer sleeves or similar to secure tree to support post.

4. 75mm deep bark mulch layer to be spread evenly over a circular area 1000mm ϕ around the tree to prevent weed growth and retain moisture. Alternatively, a suitable mulch mat can be used covering the

5. Excavate tree pit to sufficient size to accommodate tree root ball. Loosen any compaction in base of excavated pit to aid drainage. The tree should be planted at a depth where the root flare is still visible. just breaching the soil surface, following backfilling.

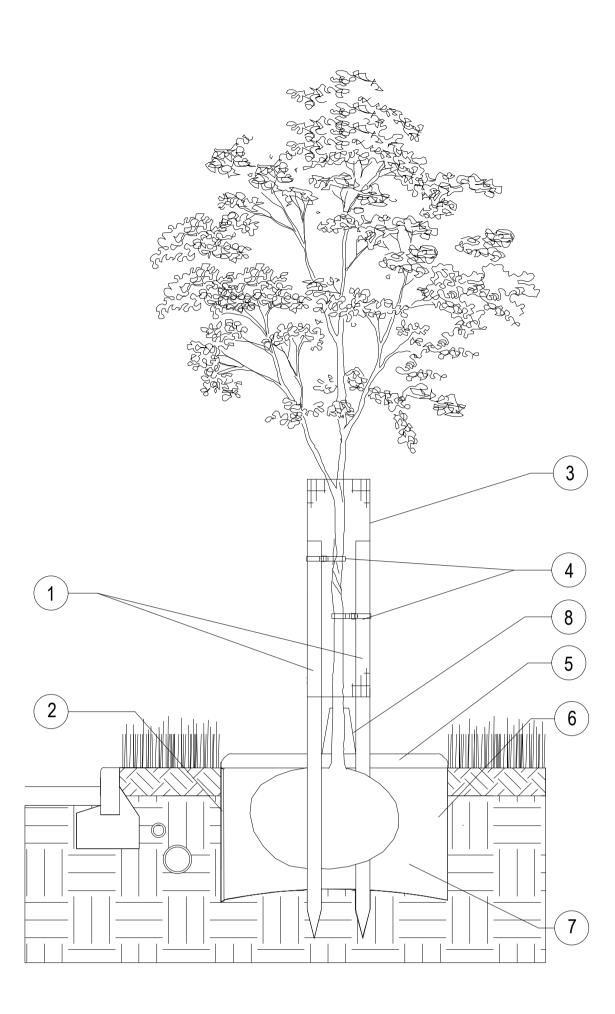
6. Backfill tree pit with subsoil and topsoil excavated from pit if this is regarded as of sufficient quality to promote the healthy establishment of the tree. If either the top soil or sub soil excavated from the pit is of poor quality, then soil ameliorants may be used sparingly or imported topsoil compliant with BS3882 should be used.

Immediately after planting, water the tree, saturating the tree pit to field capacity. Allow for a strimmer guard for all trees in open space.

The notes above are intended as a basic guide only. For further guidance on tree planting refer to BS 8545:2014 Section 10.

Products underlined above are available from Green Blue Urban

(http://greenblueurban.com/).



Tree Pit Detail 3 - for Trees in Proximity to Hard Landscaping and/or Services (Scale: 1:20)

1. 2x tanalised timber tree stakes 2m, 75mm ϕ driven into backfilled pit to provide support to the tree.

2. ReRoot root barrier with root deflecting ribs installed between tree root ball and hard surfaces/services where there is a risk of root damage as the tree grows outward. As a general rule, root barriers should be installed in locations where hard surfaces and/or services are located within three metres of the tree stem. Install closer to the paving/service than the tree, to allow space for the tree roots to grow into the space available, with the ribs facing the tree. Note this may mean not placing the barrier within the tree pit, but further away within its own trench. Root barriers must extend a minimum of 2m lengthways beyond the expected canopy of the mature tree. The top of the root barrier should be set as close to the soil surface as possible without being visible.

3. Tubex Treegaurd Mesh Roll or similar approved. 12mm mesh roll cut to size and bent in circle 320mm ϕ and tied to tree stake to protect tree from damage by people and animals. Bottom of mesh should be 300mm above ground level to allow strimmer guard to be fitted and prevent litter and grass/weeds building up around the base of the tree. Top of mesh should be below the first lateral branch.

4. Use 2x Tree Ties GLB25A with GLPFA spacer sleeves or similar to secure tree to support post.

5. 75mm deep bark mulch layer to be spread evenly over a circular area 1000mm ϕ around the tree to prevent weed growth and retain moisture.

Alternatively, a suitable mulch mat can be used covering the same

6. Excavate tree pit to sufficient size to accommodate tree root ball. Loosen any compaction in base of excavated pit to aid drainage. The tree should be planted at a depth where the root flare is still visible, just breaching the soil surface, following backfilling.

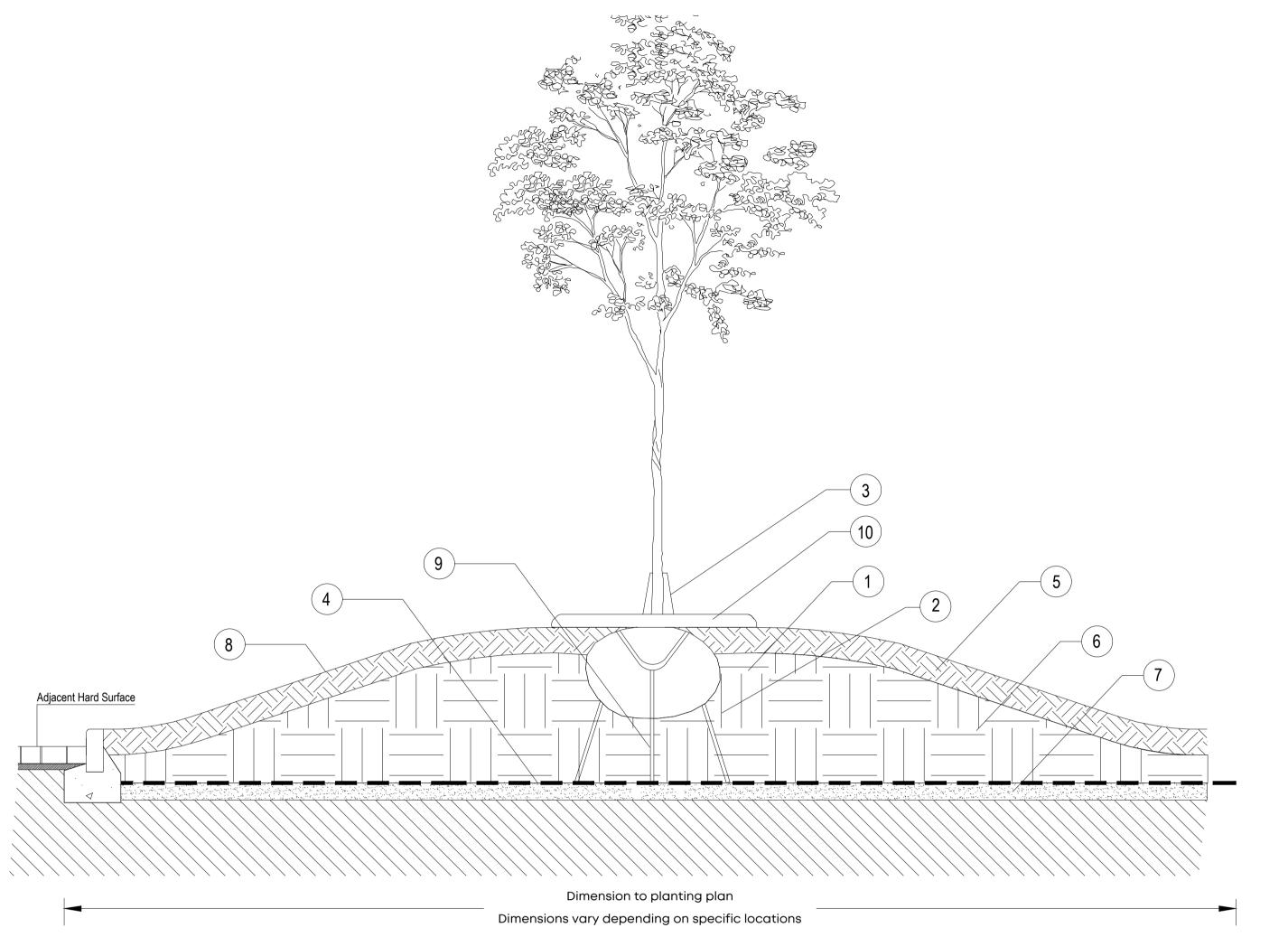
7. Backfill tree pit with subsoil and topsoil excavated from pit if this is regarded as of sufficient quality to promote the healthy establishment of the tree. If either the top soil or sub soil excavated from the pit is of poor quality, then soil ameliorants may be used sparingly or imported topsoil compliant with BS3882 should be used.

8. Strimmer guard by Arbortech or similar to be fitted around base of tree to protect from damage by grass maintenance machinery primarily, but also to provide an additional layer of defense against animal browsing.

Immediately after planting, water the tree, saturating the tree pit to field capacity.

The notes above are intended as a basic guide only. For further guidance on tree planting refer to BS8545:2014 Section 10.

Products suggested in italics above are available from Green Blue Urban (http://greenblueurban.com/) and Arbortech (www.arbortech.co.uk).



Tree pit detail 4 - Trees in Mounded Areas (Scale: 1:20)

1. Following construction of mounding. Excavate tree pit to sufficient size to accommodate tree root ball. Loosen any compaction in base of excavated pit to aid drainage. The tree should be planted at a depth where the root flare is still visible, just breaching the soil surface, following backfilling.

2. Backfill tree pit with subsoil (600mm) and topsoil (300mm) excavated from the mound. If either the top soil or sub soil excavated from the pit is of poor quality, then soil ameliorants may be used sparingly or imported topsoil compliant with BS3882 should be used.

3. Strimmer guard by Arbortech or similar to be fitted around base of tree to protect from damage by grass maintenance machinery primarily, but also to provide an additional layer of defense against animal browsing.

4. Proposed Horizontal Root Barrier (min depth of 900mm, exact depth to vary depending on location)

5. Approved BS3882:2015 topsoil to min 150mm for amenity grassed areas and min 900mm depth to tree planting areas.

6. Approved BS8601:2013 subsoil under proposed topsoil

7. 100mm Granular Drainage Layer, to engineering specification

8. Amenity grass areas set on 1:3 slope or less

9. Tree rootball secured using an underground guying system -Arborguy SAS-L strap anchor system c/w ground anchors (or similar approved)

10. 75mm deep bark mulch layer to be spread evenly over a circular area 1000mm around the tree to prevent weed growth and retain

Immediately after planting, water the tree, saturating the tree pit to field capacity.

The notes above are intended as a basic guide only. For further guidance on tree planting refer to BS8545:2014 Section 10.

Products suggested in italics above are available from Green Blue Urban (http://greenblueurban.com/) and Arbortech (www.arbortech.co.uk).

1. Do not scale from this plan

design information:

Existing & proposed utilities

architect prior to ordering.

Lighting and ducting

2. All information outside red line boundary shown for contextual purpose only.

3. All hatch patterns are indicative only unless stated otherwise.

attention of Laird Bailey Landscape Architects, in writing.

• Levels & Drainage design and infrastructure

6. Drawings are for planning purposes only.

7. For further details, consult relevant planting schedules

4. Any discrepancies in the design information are to be brought to the

5. Refer to other consultants' drawings and specifications for the following

6. Plant quantities are to suit site areas in accordance with scheduled plant

5. Any proposed plant substitution shall be agreed with the landscape

Grassland Update Layout Update - Final Issue Layout Update - Draft Issue а

Rev Comment

13.05.24

09.05.24

19.03.24

Date

LAIRD BAILEY LANDSCAPE ARCHITECTS t: 0330 043 4883 e: hello@lbla.co.uk

Costwolds | Somerset | South Wales

Client:

Albion Land

Project Title:

Catalyst Phase 4

Drawing Title:

Detailed Soft Landscape Proposal (Sheet 6 of 6)

Date: 8 March 2024 Drawing Number: LB467_D01 Scale: See Details Status: Final

Drawn By: MS Checked by: AL Revision: C Use: Planning