

Planting Schedule

Trees					
Number	Species	Height	Girth	Specification	Density
2	Acer platanoides	425-600cm	14-16cm	RB; 3x; Extra Heavy Standard; clear stem 175-200cm; 4 breaks	Counted
4	Acer platanoides 'Crimson Sentry'	425-600cm	14-16cm	RB; 3x; Extra Heavy Standard; clear stem 175-200cm; 4 breaks	Counted
5	Alnus glutinosa	400-450cm	14-16cm	RB; 3x; Extra Heavy Standard; clear stem minimum 200cm; 5 breaks	Counted
3	Amelanchier lamarckii	300-350cm	14-16cm	RB; 3x; Extra Heavy Standard; clear stem 175-200cm; 5 breaks	Counted
3	Betula pendula	400-450cm	14-16cm	RB; 3x; Extra Heavy Standard; clear stem 175-200cm; 5 breaks	Counted
2	Ginkgo biloba	425-600cm	14-16cm	RB; 4x; Extra Heavy Standard; clear stem 175-200cm; 4 breaks	Counted
3	Tilia cordata 'Greenspire'	425-600cm	14-16cm	RB; 3x; Extra Heavy Standard; clear stem 175-200cm; 4 breaks	Counted
Total :22					

Shrubs					
Number of Plants	Species	Height	Pot Size	Specification	Density
471	Skimmia japonica	30-40cm	3L	Bushy; 3 brks: C	4/m ²
199	Ceanothus 'Burkwoodii'	30-40cm	2L	Branched; 3 brks: C	2/m ²
235	Cistus 'Silver Pink'	40-60cm	3L	Full pot: C	5/m ²
53	Pittosporum tenuifolium 'Golf Ball'	40-60cm	5L	Full pot: C	5/m ²
105	Viburnum tinus	30-40cm	2L	Bushy; 4 brks: C	2/m ²
52	Cornus alba 'Elegantissima'	40-60cm	3L	Bushy; 4 brks: C	5/m ²
218	Escallonia 'Apple Blossom'	40-60cm	2L	Branched; 3 brks: C	3/m ²
100	Elaeagnus ebbingei	40-60cm	2L	Branched; 3 brks: C	3/m ²
102	Lonicera nitida 'Baggesen's Gold'	30-40cm	5L	Bushy; 5 brks: C	2/m ²
56	Euonymus fortunei 'Emerald 'n' Gold'	20-25cm	3L	Bushy; 7 brks: C	3/m ²
354	Cotoneaster dammeri	20-30cm	2L	Bushy; 3 brks: C	4/m ²
359	Cotoneaster franchetii	20-30cm	3L	Bushy; 3 brks: C	3/m ²
13	Cornus alba 'Sibirica'	40-60cm	2L	Branched; 3 brks: C	2/m ²
82	Cornus stolonifera 'Flaviramea'	60-80cm	3L	Branched; 4 brks: C	2/m ²
36	Cornus sanguinea 'Midwinter Fire'	40-60cm	3L	Branched; 3 brks: C	3/m ²
90	Euonymus japonicus 'Jean Hugues'	60-80cm	3L	Full pot: C	9/m ²
27	Rosmarinus officinalis 'Miss Jessopp's Upright'	40-60cm	3L	Bushy: C	5/m ²
189	Cotoneaster suecicus 'Coral Beauty'	20-30cm	3L	Bushy; 3 brks: C	5/m ²
87	Vinca minor 'Atropurpurea'	20-30cm	3L	Full pot: 5 brks: C	7/m ²
35	Prunus laurocerasus 'Otto Luyken'	40-60cm	2L	Branched; 3 brks: C	3/m ²
Total :2865					

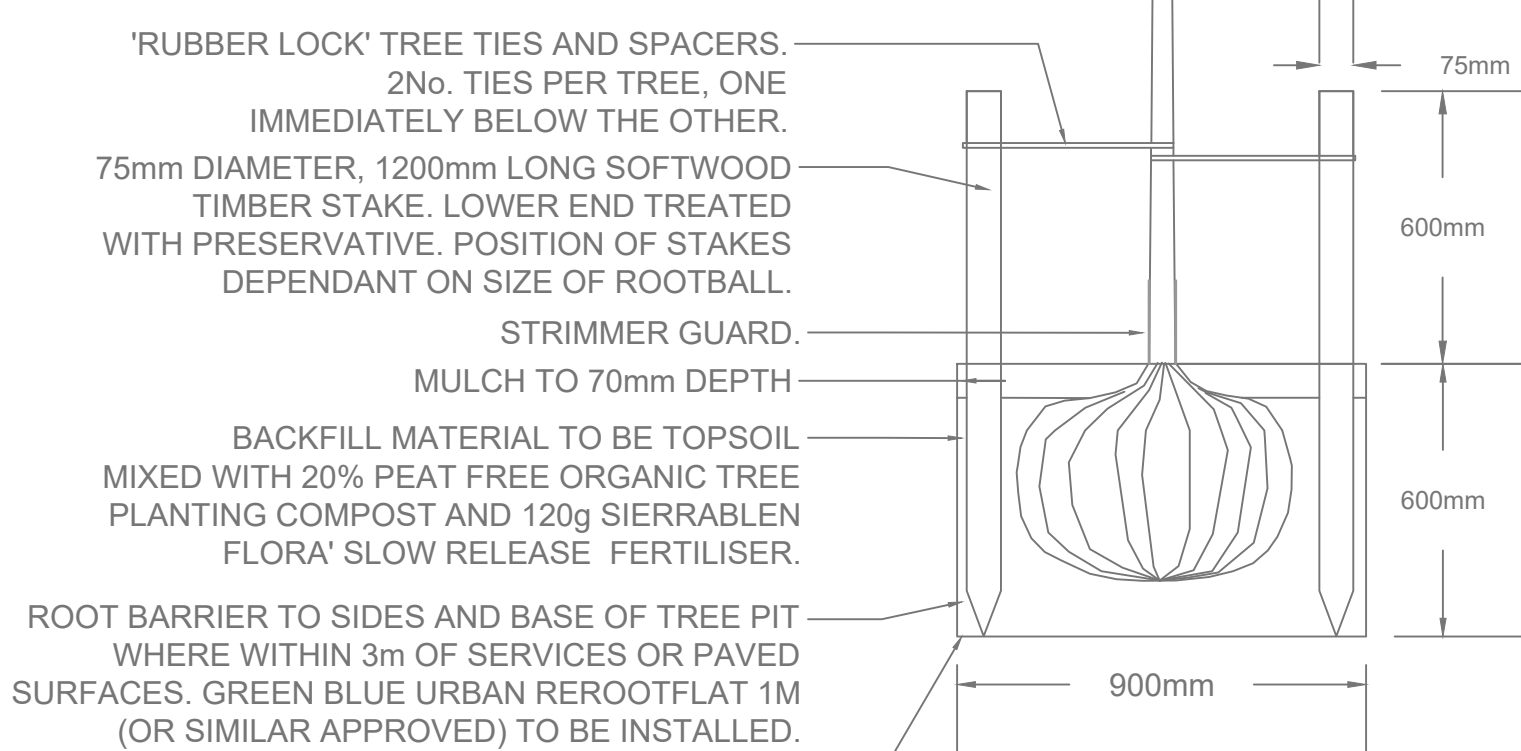
Native Hedgerow					
Number	Species	Height	Specification	Density	Percentage Contribution
236	Acer campestre	60-80cm	1+1: BR: Transplant: Rabbit spiral and cane	5/m	15%
236	Corylus avellana	60-80cm	1+1: BR: Transplant: Rabbit spiral and cane	5/m	15%
854	Crataegus monogyna	60-80cm	1+1: BR: Transplant: Rabbit spiral and cane	5/m	55%
236	Ilex aquifolium	60-80cm	1+1: BR: Transplant: Rabbit spiral and cane	5/m	15%
Total :1562					

Marginal Species SUDS Mix					
Number	Species	Pot Size	Specification	Density	Percentage Contribution
67	Carex pendula	2L	C	4/m ²	20%
35	Glyceria maxima	2L	C	4/m ²	10%
51	Iris pseudacorus	2L	C	4/m ²	15%
67	Lythrum salicaria	2L	C	4/m ²	20%
35	Myosotis scorpioides	2L	C	4/m ²	10%
35	Nasturtium officinale	2L	C	4/m ²	10%
51	Panicum virgatum 'Shenandoah'	0.5L	C	4/m ²	15%
Total :341					

Marginal Species SUDS Mix 2					
Number	Species	Pot Size	Specification	Density	Percentage Contribution
6	Carex pendula	2L	C	4/m ²	30%
5	Glyceria maxima	2L	C	4/m ²	25%
5	Iris pseudacorus	2L	C	4/m ²	25%
4	Myosotis scorpioides	2L	C	4/m ²	20%
Total :20					

Ornamental Grasses and Perennials - Planting Bed Centres						
Number	Species	Height	Pot Size	Specification	Density	Percentage Contribution
9	Lysimachia atropurpurea 'Beaujolais'	40-60cm	2L	Full pot	7/m ²	10%
25	Miscanthus 'Flamingo'	80-100cm	5L	Full pot; Bushy	5/m ²	40%
25	Miscanthus 'Glacilimus'	100-120cm	5L	Full pot; Bushy	5/m ²	40%
9	Verbena bonariensis	60-80cm	2L	Full pot	7/m ²	10%
Total :68						

Ornamental Grasses and Perennials - Planting Bed Edges						
Number	Species	Height	Pot Size	Specification	Density	Percentage Contribution
40	Allium sphaerocephalon	5cm+		Bulb	15/m ²	10%
47	Echinacea purpurea	60-80cm	2L	Full pot	9/m ²	20%
37	Salvia nemerosa 'Caradonna'	40-60cm	2L	Full pot	7/m ²	20%
36	Sanguisorba officinalis 'Tanna'	30-40cm	2L	Full pot	9/m ²	15%
46	Stipa tenuissima 'Pony Tails'	40-50cm	5-7.5L	Full pot; Bushy	5/m ²	35%
Total :206						



EXTRA HEAVY STANDARD TREES IN SOFT LANDSCAPE AREAS



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- Proposed Trees
- Proposed Native Hedgerow
- Proposed Shrub Planting
- Proposed Ornamental Grasses and Perennials
- Proposed Marginal Planting Mix
- Proposed Strong Lawn Grass Mix (EG22)
- Proposed Pond Edge Meadow Mix (EP1)
- Basic General Purpose Meadow Mixture (EM1)
- Existing Sewer and Easement

Location Plan:



C	Revised Site Layout	09.05.2024
B	Revised Site Layout	29.02.2024
A	Revisions Following lighting layout	06.06.2023
Rev	Description	Date



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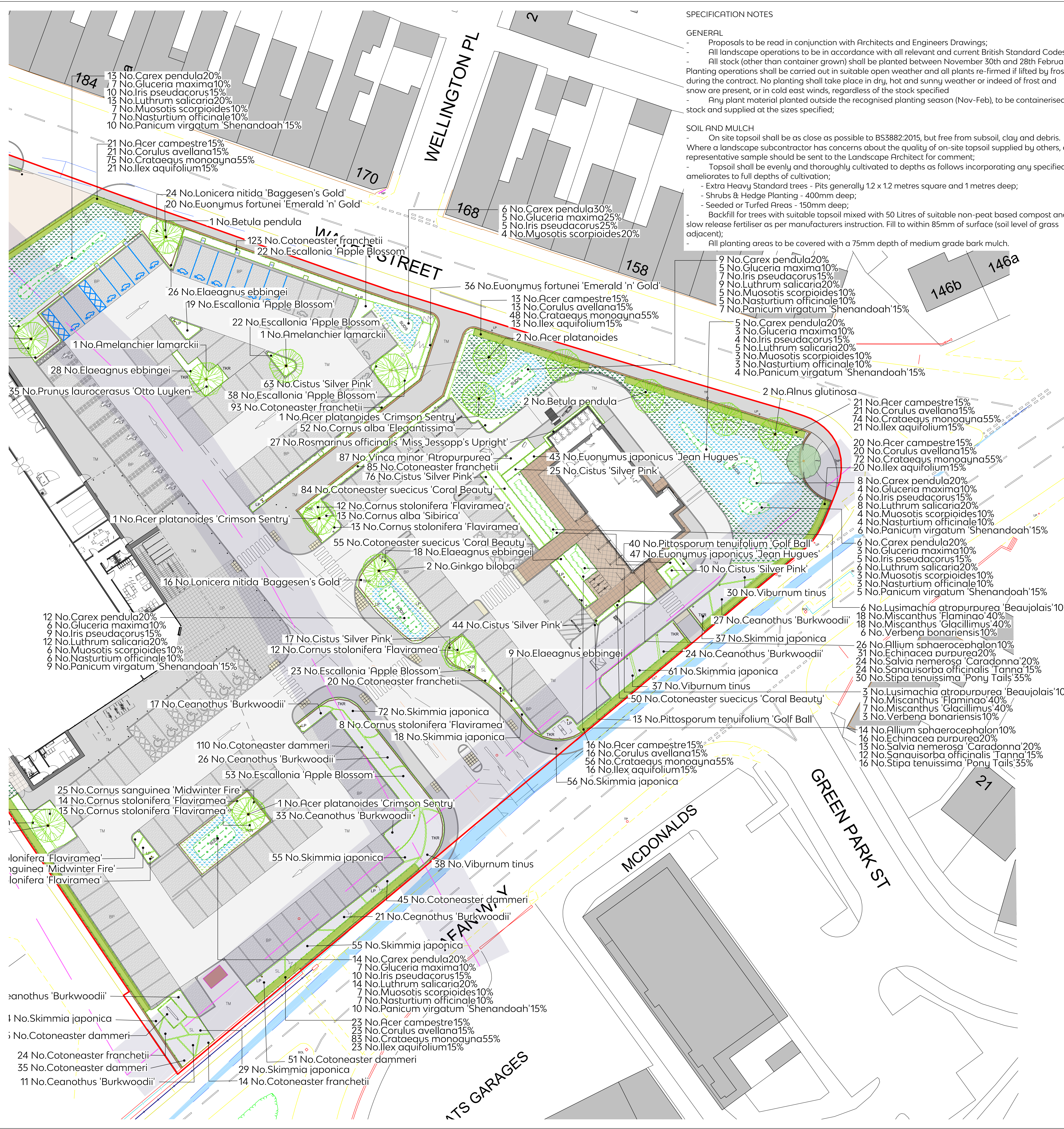
Project title
Burrows Yard, Afan Way, Port Talbot

Drawing title
Soft Landscape Proposals
Sheet 1 of 2

Date: 31.05.2023
Scale: 1:200 @ A3
Status: For planning only

Drawn: KC
Checked: AW
Approved: AW

Drawing number: 15339/P02
Revision: C



SPECIFICATION NOTES

GENERAL

- Proposals to be read in conjunction with Architects and Engineers Drawings;
 - All landscape operations to be in accordance with all relevant and current British Standard Codes;
 - All stock (other than container grown) shall be planted between November 30th and 28th February.
- Planting operations shall be carried out in suitable open weather and all plants re-firmed if lifted by frost during the contract. No planting shall take place in dry, hot and sunny weather or indeed of frost and snow are present, or in cold east winds, regardless of the stock specified
- Any plant material planted outside the recognised planting season (Nov-Feb), to be containerised stock and supplied at the sizes specified;

SOIL AND MULCH

- On site topsoil shall be as close as possible to BS3882:2015, but free from subsoil, clay and debris. Where a landscape subcontractor has concerns about the quality of on-site topsoil supplied by others, a representative sample should be sent to the Landscape Architect for comment;
- Topsoil shall be evenly and thoroughly cultivated to depths as follows incorporating any specified ameliorates to full depths of cultivation;
 - Extra Heavy Standard trees - Pits generally 1.2 x 1.2 metres square and 1 metres deep;
 - Shrubs & Hedge Planting - 400mm deep;
 - Seeded or Turfed Areas - 150mm deep;
 - Backfill for trees with suitable topsoil mixed with 50 Litres of suitable non-peat based compost and slow release fertiliser as per manufacturers instruction. Fill to within 85mm of surface (soil level of grass adjacent);
- All planting areas to be covered with a 75mm depth of medium grade bark mulch.

- 9 No. Carex pendula 20%
- 5 No. Gluceria maxima 10%
- 7 No. Iris pseudacorus 15%
- 9 No. Luthrum salicaria 20%
- 5 No. Muosotis scorpioides 10%
- 5 No. Nasturtium officinale 10%
- 7 No. Panicum virgatum 'Shenandoah' 15%
- 13 No. Acer campestre 15%
- 13 No. Corulus avellana 15%
- 48 No. Crataegus monogyna 55%
- 13 No. Ilex aquifolium 15%
- 2 No. Acer platanoides
- 36 No. Euonymus fortunei 'Emerald 'n' Gold'
- 6 No. Carex pendula 30%
- 5 No. Gluceria maxima 25%
- 5 No. Iris pseudacorus 25%
- 4 No. Muosotis scorpioides 20%

- 2 No. Alnus glutinosa
- 21 No. Acer campestre 15%
- 21 No. Corulus avellana 15%
- 74 No. Crataegus monogyna 55%
- 21 No. Ilex aquifolium 15%
- 20 No. Acer campestre 15%
- 20 No. Corulus avellana 15%
- 72 No. Crataegus monogyna 55%
- 20 No. Ilex aquifolium 15%
- 8 No. Carex pendula 20%
- 4 No. Gluceria maxima 10%
- 6 No. Iris pseudacorus 15%
- 8 No. Luthrum salicaria 20%
- 4 No. Muosotis scorpioides 10%
- 4 No. Nasturtium officinale 10%
- 6 No. Panicum virgatum 'Shenandoah' 15%
- 6 No. Carex pendula 20%
- 3 No. Gluceria maxima 10%
- 5 No. Iris pseudacorus 15%
- 6 No. Luthrum salicaria 20%
- 3 No. Muosotis scorpioides 10%
- 3 No. Nasturtium officinale 10%
- 5 No. Panicum virgatum 'Shenandoah' 15%
- 6 No. Lusimachia atropurpurea 'Beaujolais' 10%
- 18 No. Miscanthus Flaminio 40%
- 18 No. Miscanthus Glacilimus 40%
- 6 No. Verbena bonariensis 10%
- 26 No. Allium sphaerocephalon 10%
- 31 No. Echinacea purpurea 20%
- 24 No. Salvia nemerosa 'Caradonna' 20%
- 24 No. Sanauisorba officinalis 'Tanna' 15%
- 30 No. Stipa tenuissima 'Pony Tails' 35%
- 3 No. Lusimachia atropurpurea 'Beaujolais' 10%
- 7 No. Miscanthus Flaminio 40%
- 7 No. Miscanthus Glacilimus 40%
- 3 No. Verbena bonariensis 10%
- 14 No. Allium sphaerocephalon 10%
- 16 No. Echinacea purpurea 20%
- 13 No. Salvia nemerosa 'Caradonna' 20%
- 12 No. Sanauisorba officinalis 'Tanna' 15%
- 16 No. Stipa tenuissima 'Pony Tails' 35%

- 40 No. Pittosporum tenuifolium 'Golf Ball'
- 47 No. Euonymus japonicus 'Jean Hugues'
- 10 No. Cistus 'Silver Pink'
- 30 No. Viburnum tinus
- 27 No. Ceanothus 'Burkwoodii'
- 37 No. Skimmia japonica
- 24 No. Ceanothus 'Burkwoodii'
- 61 No. Skimmia japonica
- 37 No. Viburnum tinus
- 50 No. Cotoneaster suecicus 'Coral Beauty'
- 13 No. Pittosporum tenuifolium 'Golf Ball'
- 16 No. Acer campestre 15%
- 16 No. Corulus avellana 15%
- 56 No. Crataegus monogyna 55%
- 16 No. Ilex aquifolium 15%
- 56 No. Skimmia japonica
- 14 No. Allium sphaerocephalon 10%
- 16 No. Echinacea purpurea 20%
- 13 No. Salvia nemerosa 'Caradonna' 20%
- 12 No. Sanauisorba officinalis 'Tanna' 15%
- 16 No. Stipa tenuissima 'Pony Tails' 35%

- 17 No. Ceanothus 'Burkwoodii'
- 12 No. Cornus stolonifera 'Flaviramea'
- 18 No. Skimmia japonica
- 23 No. Escallonia 'Apple Blossom'
- 20 No. Cotoneaster franchetii
- 110 No. Cotoneaster dammeri
- 26 No. Ceanothus 'Burkwoodii'
- 53 No. Escallonia 'Apple Blossom'
- 25 No. Cornus sanguinea 'Midwinter Fire'
- 14 No. Cornus stolonifera 'Flaviramea'
- 13 No. Cornus stolonifera 'Flaviramea'
- 1 No. Acer platanoides 'Crimson Sentry'
- 33 No. Ceanothus 'Burkwoodii'
- 55 No. Skimmia japonica
- 38 No. Viburnum tinus
- 45 No. Cotoneaster dammeri
- 21 No. Ceanothus 'Burkwoodii'
- 55 No. Skimmia japonica
- 14 No. Carex pendula 20%
- 7 No. Gluceria maxima 10%
- 10 No. Iris pseudacorus 15%
- 10 No. Luthrum salicaria 20%
- 7 No. Muosotis scorpioides 10%
- 7 No. Nasturtium officinale 10%
- 10 No. Panicum virgatum 'Shenandoah' 15%
- 23 No. Acer campestre 15%
- 23 No. Corulus avellana 15%
- 83 No. Crataegus monogyna 55%
- 23 No. Ilex aquifolium 15%
- 51 No. Cotoneaster dammeri
- 29 No. Skimmia japonica
- 14 No. Cotoneaster franchetii
- 24 No. Cotoneaster franchetii
- 35 No. Cotoneaster dammeri
- 11 No. Ceanothus 'Burkwoodii'

PLANT MATERIAL TREATMENT

- All trees and shrubs are to be supplied from nurseries in the UK or other member countries of the EEC. The Landscape Architect is to approve the nursery selected by the Landscape Subcontractor for the supply of plants. The Landscape Subcontractor is responsible for the protection of plant material being hardened off or grown at their nursery and shall make good defects;
- Tree Stakes and Ties - Stakes to be pressure treated larch poles with ACQ by 'PermaWood' or other similar and approved. The stakes shall be 700mm apart (each side of the root ball, taking care to avoid the root ball), with a half rounded cross brace positioned at the top of the posts (level and horizontal), nailed to the stakes with 2 No. galvanised nails at each end. Secure the stem to the tree using a rubber tie with spacing device or sackcloth (and several turns to form a good spacing knot) positioned 25mm maximum from the top of the post.

EXISTING TREES AND SHRUBS

- Existing trees to be retained shall be protected in accordance with the requirements and specifications set out in BS5837:2012 paragraph 6.2.2 figure 3 and BS1722 : Part 4

PROPOSED TREES

- Contractor to ascertain the location of all sewers and services prior to tree planting;
- No trees to be planted within 3 metres of sewers or services or other easement recommended by the relevant statutory undertaker without the use of tree root barriers. All tree pits with root barriers are subject to engineer's approval;
- Extra Heavy Standard Trees to be double staked and fixed in accordance with the tree pit detail.
- Where necessary increase tree pit dimensions to ensure that tree pits are at least 75mm deeper and 150mm wider than the rootball. Break up bottom of pits to a depth of 150mm. Compacted glazed sides of pits should be roughened;
- Cut back any broken or damaged roots to sound growth;
- Plant trees upright, in the centre of the pit and at original soil depth;

SHRUBS

- Plant shrubs exactly in accordance with the landscape drawings. All non-perishable containers shall be removed and any damaged roots carefully pruned. Excavate planting holes 75mm wider than the root spread. Each plant shall be planted at it's correct depth, to the original soil or nursery mark, to BS4428:1989. Compost and sand additives shall be worked well into backfill whilst backfilling is in progress, taking care not to raise general levels of the soil so that bed edges are less than 65-80mm below the adjacent pavement edges;
- Where native whip and shrub planting are shown in mixes, the numbers of each species for the groups is specified on the planting list on the drawing (and will be inspected by the Landscape Architect).
- Gaps around the root ball shall be filled to half its depth and firmed by hand, but avoiding damage to the roots. Further soil can then be used to fill the voids to the surface and firmed by treading, taking care not to over firm and damage roots;
- Water in all plants within 2 hours of planting with 25 litres minimum per metre squared;
- Prune back leggy growth immediately after planting;
- Approved bark mulch to a depth of 75mm.

HEDGING

- Plant hedging in trenches 400mm depth and large enough to take the full spread of roots;
- Set out plants evenly as scheduled; planted in groups of 3-7 of the same species;
- Backfill with excavated topsoil/shrub planting mix;
- Prune back native hedging hard at the appropriate season in year one (and outside of the bird nesting season).

RABBIT GUARDS

- Where specified, install rabbit guards supported by canes around each transplant (to supplier specification);

MARGINAL PLANTING

- Plant in species groups of 3/ 5 / 7 in drifts at an average density of 4/m2. Taller plants to middle of planting areas with lower growing species to the edge of planting areas.
- The use of an organic matting that will biodegrade in 6 months should be used instead of mulching. Thereafter, the established planting should provide sufficient groundcover to prevent soil erosion. Additional planting using the same specification as detailed on the soft landscaping plan should be undertaken if areas of open soil persist.

PREPARATION OF WILDFLOWER GRASS AREAS

- Grade areas to be seeded until the surface is evened and the level is or the required height, and is further flush with any paved area (max tolerance 0 to -10mm), to receive run off, but not so low as to damage mower blades on cutting the edges. Fully cultivate existing and imported topsoil to a depth of 150mm and rake surface to form a fine tilth. Remove all stones, twigs, logs and other debris. Stone rake repeatedly until all stones greater than 20mm in any one direction are removed. After 6 weeks (minimum time), but not later than 12 weeks, spray all weed with a suitable translocated systemic and approved herbicide.

SEEDING OF WILDFLOWER GRASS AREAS

- No seed is to be sown until the cultivation and preparatory works have been approved by the Landscape Architect;
- Sowing rates for seed mixes as recommended in the Key;
- Carefully rake in thoroughly to ensure that the seed is a few millimetres below surface.
- Roll using a very light roller, (or cylindrical mower) Ensure surface is even and level;

ESTABLISHMENT OF WILDFLOWER GRASS AREAS

- Strim once in late October to a height of 125mm and once in mid-March to a height of 150mm. Strim again at the end of August or early September to a height of 75mm.

WATERING

- Maintenance watering shall be carried out by a contracted maintenance company.

WEEDING

- Remove all weed growth by hand as necessary to ensure weed free and tidy planting beds. Take great care not to disturb sheet or bark mulch. All weeds shall be removed from the site. Two visits are required per growing season where sheet mulch is specified, and 6 visits per growing season are required where no sheet mulch is specified. Visits should occur approximately monthly, subject to weather conditions.

SHRUBS, TREES & TIDYING BEDS

- Remove all litter and debris at each visit, leaving the site clean and tidy. Firm in and straighten out plants loosened and prune out dead, leggy and broken branches, without damage to natural habit of the plant. In the case of trees, a suitably skilled and qualified arboriculturalist shall carry out such pruning. Tree stakes and ties shall be checked, adjusted and replaced as necessary. Prune hedges back to an even hedge line to encourage thickening, twice within the first growing season after planting.

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Drawing title
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Sheet 2 of 2

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Scale	1:200 @ A0	Checked	AW
Status	For planning only	Approved	AW

Drawing number	15339/P02	Revision	C
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Plans:

Plan 1: 15539/P01 Habitat Features Plan

