

Landscape Management Plan



**Tyler
Grange**

ALDI, Little Testwood Farm

March 2022

TG Report No. 13865_R02_A_RM_AW



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13865_R02	March 2022	A	Rob Mayers BA Hons	Anneliese Walker CMLI

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Plans:

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Section 1: Introduction

Purpose

- 1.1 This Landscape Management Plan (LMP) has been prepared by Tyler Grange Group Limited on behalf of ALDI Stores Ltd for a food store and class E/B2 light/general industrial two storey unit (1,848 sqm approx.) and ancillary servicing areas, car parking spaces and soft landscaping at Little Testwood Farm, Salisbury Road, Calmore, Totton, SO40 2RW (hereafter referred to as the 'Site'). The Site is centred on OS grid reference SU 34494 15211.
- 1.2 The purpose of the Landscape Management Plan is to provide details of measures to ensure the successful establishment and ongoing maintenance of the soft landscape elements of the development proposals.
- 1.3 This Landscape Management Plan should be read in conjunction with the Soft Landscaping Proposals 13865/P01.

Scope of the Landscape Management Plan

- 1.4 This Landscape Management Plan is set out as follows:
 - Section 2 describes the site, and provides an overview of the existing landscape and its condition;
 - Section 3; describes the proposed soft landscaping;
 - Section 4 sets out the long-term design objectives;
 - Section 5 sets out the management regimes and responsibilities; and
 - Section 6 sets out the maintenance operations for all the soft landscape areas.



Section 2: Site Overview of Existing Landscape and its Condition

Site Context

- 2.1 The Site is located on the A36 Salisbury Road adjacent to a football ground and other commercial units. There is a partially culverted water course on site, and it is currently cleared of vegetation excepting some mature trees located at the Site perimeter. The Site is fenced with close-board security fencing with an existing entrance from Salisbury Road on the southwestern boundary. The proposed development is for a new Aldi food store and class E/B2 light/general industrial two storey unit (1,848 sqm approx.) and ancillary servicing areas, car parking spaces and soft landscaping.
- 2.2 The Site boundaries adjoin Little Testwood Farm to the North, and Testwood House commercial building to the northeast with a series of recreational lakes beyond. AFC Totton Football Club and South Hampshire Industrial Park adjoin the southern boundary with the A36 Salisbury Road extending past the western boundary. There is a joint entrance shared with the AFC Totton Football Ground with a bus stop adjacent. Laurel Bank Rest Home located on the western edge of Salisbury Road faces this entrance point.
- 2.3 There are several mature trees including oaks on the perimeter. There is no existing internal landscaping or tree planting but there are linear belts of woodland in the wider setting particularly to the west. The local context of the Site is predominantly urban fringe with many large-scale commercial buildings in the locality. Residential properties are located further to the south of Salisbury Road.



Section 3: Proposed Soft Landscaping

Planting Generally

- 3.1. Details of proposed soft landscaping is shown on ALDI, Totton Soft Landscaping Proposals Tyler Grange Drawing Nos. 13865/P10 Sheets 1 to 4 (see appendix below).
- 3.2. All materials and operations shall conform to BS 3926 Nursery Stock (Parts 1-100, BS 4428:1989, BS 4043:1989 and BS 5837:2012. The planting season shall be from 1st October to the 31st March, although container grown stock may be planted outside of this period if accompanied by daily watering as necessary to ensure healthy establishment. Planting shall not be carried out during periods of frost, drought, cold drying winds or when the soil is waterlogged or frozen.
- 3.3. All planting to be undertaken in the RPA of existing trees to be retained shall be completed by hand and positions altered should roots be encountered to avoid damage to root systems. Plant stock will be certified UK grown and will be locally sourced where possible in the interests of biosecurity. Provenance certification should be provided before planting commences.
- 3.4. Soft landscaping within the site is designed to:
 - Create an attractive and appropriate setting for the new ALDI store, with biodiversity potential and year-round interest and colour; and
 - Create a strong soft landscape framework with planting to the perimeter of the site including trees, selected to maximise biodiversity.
- 3.5. A high proportion of native plant stock is proposed particularly along the water course and on the perimeter of the site to assimilate the proposal into the wider urban fringe context and provide a softened and naturalistic edge to development particularly in views from Salisbury Road. Fifteen new trees are proposed (*Acer campestre*, *Acer campestre* 'Elsrijk', *Alnus glutinosa*, *Prunus avium* and *Quercus robur*) to replace the eight trees lost to development. These are locally appropriate native species. Root barriers are proposed to provide protection to underground services. The planting size, pattern and spacing of new trees will give a stronger visual effect than those removed and will result in well-formed specimens within the urban fringe context, without detriment to pedestrian and vehicle safety.
- 3.6. The new trees located along the southern boundary and edge of the car parking area will soften the built form.
- 3.7. A native hedge is proposed to the northern boundary will provide some softening to the built environment in views from the recreational area to the rear and valuable foraging habitat for wildlife. The species selection for the native hedgerow will include species with nectar and berries such as *Acer campestre*, *Corylus avellana*, *Crataegus monogyna*, *Ilex aquifolium* and includes native climbers (*Clematis vitalba* and *Lonicera periclymenum*) for additional foraging value to be randomly distributed throughout the hedgerow.
- 3.8. Taller shrubs such as *Cornus sanguinea* 'Midwinter Fire', *Euonymus europaeus* 'Red Cascade', *Salix purpurea* will provide structure and interest year-round, with either autumn leaf colouring, bark colour or catkins with swathes of native rose (*Rosa arvensis*, *Rosa canina* and *Rosa*



rubiginosa) providing blossom, scent, and colourful hips throughout the summer and early autumn. Smaller groundcover shrubs have also been chosen to provide variation in habit and leaf form and colour to create visual amenity.

- 3.9. The water course has areas of water tolerant native wetland species such as *Caltha palustris*, *Filipendula ulmaria*, *Iris pseudacorus*, *Lythrum salicaria*, *Mentha aquatica*, *Salix viminalis*, *Silene flos-cuculi* and *Veronica beccabunga* to provide both a visual enhancement and valuable habitat for wildlife.
- 3.10. Amenity grassland meadow mixture (Emorsgate EM1 'Basic General Purpose Meadow Mixture' or similar approved) is proposed for its ecological value on larger areas of space and around the proposed ALDI signage. Adjacent to the stream a water tolerant pond edge seed mix (Emorsgate EP1 or similar approved) is proposed.
- 3.11. The ground around the proposed shrubs will be bark mulched at a suitable depth (min 50mm after settlement) to conserve moisture and reduce weed growth.
- 3.12. Soil additives are to be incorporated into the topsoil to all newly planting areas to provide a suitable growing medium.
- 3.13. Proposed trees with root balls are to be planted with double stakes and ties to provide anchorage.



Section 4: Long Term Design Objectives

Planting Generally

- 4.1. This landscape management plan has been produced to help ensure the ongoing protection and enhancement of the site's retained and proposed landscape features and biodiversity through the adoption of an ecologically sensitive landscape management regime.
- 4.2. All planting and seeding operations shall be maintained to the satisfaction of the relevant Planning Authority for five years after completion. Any trees or shrubs that die within the post-completion defects liability period or become diseased, vandalised/damaged or removed shall be replaced in the following planting season with an equivalent unless otherwise authorised.

Proposed Trees

- 4.3. The overarching objective is to ensure newly planted trees establish well and grow to form an attractive habit and form. Stems should only be removed so as to retain the natural appearance of the individual plant species or to remove broken or badly damaged branches and dead wood. Tree surgery such as crown lifting should be carried out as required to prevent restriction to pedestrians or vehicles.
- 4.4. Groupings of trees should be maintained to establish a connected canopy, with branches also connected to adjoining native hedgerows where applicable.

Proposed shrubs

- 4.5. The long-term design objective of the shrub planting is to ensure the plants thrive to create shrubbery for local amenity and habitat for wildlife. Planting will be managed to achieve a maximum height of 2.5 metres. Pruning should be undertaken to promote flowering and fruiting in accordance with the species and age of the plant. The *Cornus sp.*, (dogwood) grown for coloured stems will be regularly pruned to coppice. This should be carried out during the dormant season, but outside the bird nesting season.
- 4.6. Any proposed groundcover planting within visibility splays should be maintained lower than 600mm.

Proposed Native Hedgerow

- 4.7. Native hedgerows are to be extended along the northern boundary as shown on the planting plan. Bare root stock is to be planted in a double staggered row to establish a natural hedgerow. The ground around the hedgerow transplants will be bark mulched to the depth specified to conserve moisture and reduce weed growth.
- 4.8. Native hedgerow planting will be managed to achieve a maximum height of 2.5m.
- 4.9. Careful trimming and pruning will be required in the early years to ensure the development of a well-clothed hedge. Trimming should aim to form an 'A' profile.



All Groundcover Planting

- 4.10. Inspect monthly for the first year and maintain shrubs/hedging in a weed free condition through combined techniques such as hand pulling, cultivation and mulching. Application of an approved herbicide should only be used as a last resort, when all other methods of weed treatment have been proved unsuccessful.
- 4.11. Prune or clip to promote bushy, healthy growth and required shape when necessary.
- 4.12. Trimming back of growth overhanging adjacent footpaths or windows when required.
- 4.13. Remove/replace individual specimens as required.

Grassland Meadow Mix Seeding

- 4.14. A meadow area is to be established across the linear area of open space incorporating the water course to the south of the proposed ALDI store and around the new ALDI signage at the entrance as shown on the Soft Landscaping Plan (13865/P10). The area adjacent to the water course would be seeded Emorsgate EP1 – Pond Edge Mixture with other areas including the water course embankment away from the water's edge to be seeded with Emorsgate EM1 – Basic General Purpose Meadow Mixture. Both mixtures are comprised 20% native wildflowers and 80% grass species. Most of the sown meadow species will consist of perennials which will be slow to germinate and grow and are therefore unlikely to flower during the first growing season. The resulting planting will consist of mainly annual weeds within the first growing season which will require topping or mowing.
- 4.15. When sowing within the autumn period, spring and summer cuts of the species are not to occur within the first growing season. Once the annual planting has flowered cuts are to occur within the mid-summer period and any excess vegetation is to be removed. It is important to cut back annuals before they die back, set seed and collapse. This cut will reveal the developing meadow mixture and give it the space required to develop.
- 4.16. In the second and subsequent years the wildflower seeding areas will require different cutting regimes which will be based on ecological requirements.
- 4.17. In areas within the site as shown on the soft landscaping plan which are to be seeded with Meadow Grassland (EM1 Mix) a summer 'hay cut' in combination with autumn and possibly spring mowing is required. In order to allow sown species to flower the meadow area must not be cut from spring to the mid-summer period (July / August) until the species have flowered. After flowering has occurred a hay cut is to be completed using a scythe, petrol strimmer or tractor mower to approximately 50mm and the arisings left spread out over the ground for 1 to 7 days in order for seeds to be shed before the arisings are removed from the site.
- 4.18. Meadow areas will include two contrasting mowing regimes, the core areas being maintained as longer 'meadows' and the borders and edges (primarily where they adjoin paths, roads or properties) being maintained as short grass or 'close mown' to ensure that a neat and managed appearance is maintained throughout the development.
- 4.19. Areas with longer grass will be cut to 50mm three times a year in early spring, mid-summer and late autumn. Arisings to be collected and removed.



- 4.20. The pond edge mixture would require cutting on a 2-3 year rotation after establishment, to allow longer tussocky areas to develop for increased foraging potential and cover for wildlife with sections of a bank cut annually, leaving other areas uncut.

Dead Wood / Brushwood

- 4.21. Use deadwood / brushwood to create stacks to be placed within the newly created habitats along the water course within the site as appropriate.



Section 5: Management Regimes and Responsibilities

- 5.1. The landscaping works will receive post installation maintenance for a two-year defects liability period (DLP). All defects resulting from plant loss, disease, or failure to thrive will be replaced on a like for like basis. A visit every two months, more frequently should watering be required, is recommended during the DLP. Subsequently a minimum of two maintenance visits per annum is recommended.
- 5.2. Maintenance and management activities are set out below (which covers a minimum period of five years) to ensure the soft landscaping is managed effectively beyond the time limits of the implementation and establishment works. The responsibility for this management and maintenance to be agreed. TG recommendation is for the landscape contractor that undertakes the planting works to be engaged to carry out the two-year establishment maintenance.
- 5.3. Management and maintenance operations will be monitored and reviewed annually on an on-going basis and where required, modified if the operations and frequencies set out do not deliver the required results or meet the specific aims and objectives.
- 5.4. Maintenance visits should be undertaken to inspect, monitor as well as to carry out routine operations, including weeding and litter picking, with other specific operations being undertaken as scheduled below.



Section 6: Soft Landscaping Maintenance Work Schedule

Component	Task	Time of Year	Frequency
<p><i>Visits every two months throughout the two-year defects and establishment period, more frequently if required due to prolonged dry weather conditions and the need for watering. Subsequently management and maintenance operations will be monitored and reviewed annually on an on-going basis and where required modified if the operations and frequencies set out do not deliver the required results or meet the specific aims and objectives.</i></p>			
Existing Trees:	Trimming and selective thinning of the canopy by a suitably qualified operative (SQO) where overhanging branches impact on adjacent buildings or canopy structures, pedestrian or vehicular access.	Oct to Feb	As required (annually)
	Removal of any dead wood in the canopy of overhanging trees	Oct to Feb	As required (annually)
Trees:	Prune and repair wounds in accordance with good horticultural and arboricultural practice.	Oct to Feb	As required (annually)
	Check the ties regularly for rubbing and adjust if necessary. Constriction of the stem by ties happens very quickly, so fast-growing trees need frequent checking. After bad weather, check for abrasion and snapped stakes or ties. Re-firm tree by adjusting tree ties and ensuring soil is re-firmed around the base.	Feb and after strong winds, frost heave and other disturbances.	As required (annually)
	Hand weed mulched areas around trees.	June to Sept	Every visit
	Apply suitable non-selective herbicide to control weeds.	April / Oct	Only if required and other methods are unsuccessful
	Replace any failed specimens.	Oct to March	As required during the two-year DLP (next available planting season)
	Remove debris / litter	Throughout	Every visit
	Top up bark mulch around bases of trees to full depth of 75mm.	April	As required (annually)
	Newly planted trees will be watered throughout May – August months after any period of two weeks without significant rain to thoroughly wet the top 150mm of soil around the tree roots.	Throughout	As required after a period of two weeks without significant rainfall
Trimming and selective thinning of the canopy. Trim back growth overhanging adjacent footpaths when required.	Oct to March	Annually if required	



	In years 2 and onwards remove staking if tree has established well and the stakes are no longer required.	Any	As required
Shrub Planting	Trimming and reshaping to encourage healthy bushy growth. Trim back growth overhanging adjacent footpaths when required.	Oct to March	Annually if required
	Coppicing (<i>Cornus sanguinea</i> 'Midwinter Fire') to promote desirable ornamental feature - colourful winter stems	Hard-prune Feb	Annually after in years 3 and onwards
	Trimming of groundcover planting within visibility splays to be maintained below 600mm	Oct to March	Annually if required
	Hand weed	Throughout	Every visit
	Apply suitable non-selective herbicide to control weeds.	April to Sept	Only if required and other methods are unsuccessful
	Remove debris / litter	Throughout	Every visit
	Replace any failed specimens	Oct to March	Within the two-year DLP, as required (next available planting season)
	Top up bark mulch around bases of shrubs to full depth of 75mm.	April	As required during the one-year DLP
	Watering of newly established shrubs.	Throughout	As required after a period of two weeks without significant rainfall, during the DLP
Native Hedgerow	Re-shaping	Hard-prune Oct to Feb	Annually if required
	Hand weed	Throughout	Monthly/every visit
	Apply suitable non-selective herbicide to control weeds.	April to Sept	As required
	Apply fertiliser: Slow release, applied as per manufacturer's recommendations.	Mar / April	Annually
	Remove debris / litter	Throughout	Monthly/every visit
	Replace any failed specimens.	Oct to March	As required (next available planting season)
	Top up bark mulch hedge base to full depth of 75mm.	April	Annually



	Watering of newly established hedgerows.	Throughout	As required to enable successful establishment
	Trim and top hedgerow as necessary avoiding bird nesting season.	February	As required (annually)
Grassland Meadow Mix	Repair eroded and bare patches – rotovate to 150mm, seed with appropriate mixes as per planting schedule.	May to Sept	As required (annually)
	Remove debris / litter	Throughout	Monthly (every visit)
	Neat edges - cut with visits every two months and remove arisings in areas of close mown grass.	March to October	With visits every two months
	Cut to 50mm	March to October	3 times per year
	Spot treatments of noxious weeds using approved selective herbicides.	Throughout	As required (Annually)
Deadwood/Brushwood Stacks	Use deadwood and brushwood arisings from maintenance operations to create stacks to be placed within newly created habitat adjacent to the water course	As directed	Update/replace every 5-years



Plan:

Plan 1: 13865_P10 Soft Landscape Proposals Sheet 1 of 4

Plan 2: 13865_P11 Soft Landscape Proposals Sheet 2 of 4

Plan 3: 13865_P13 Soft Landscape Proposals Sheet 3 of 4

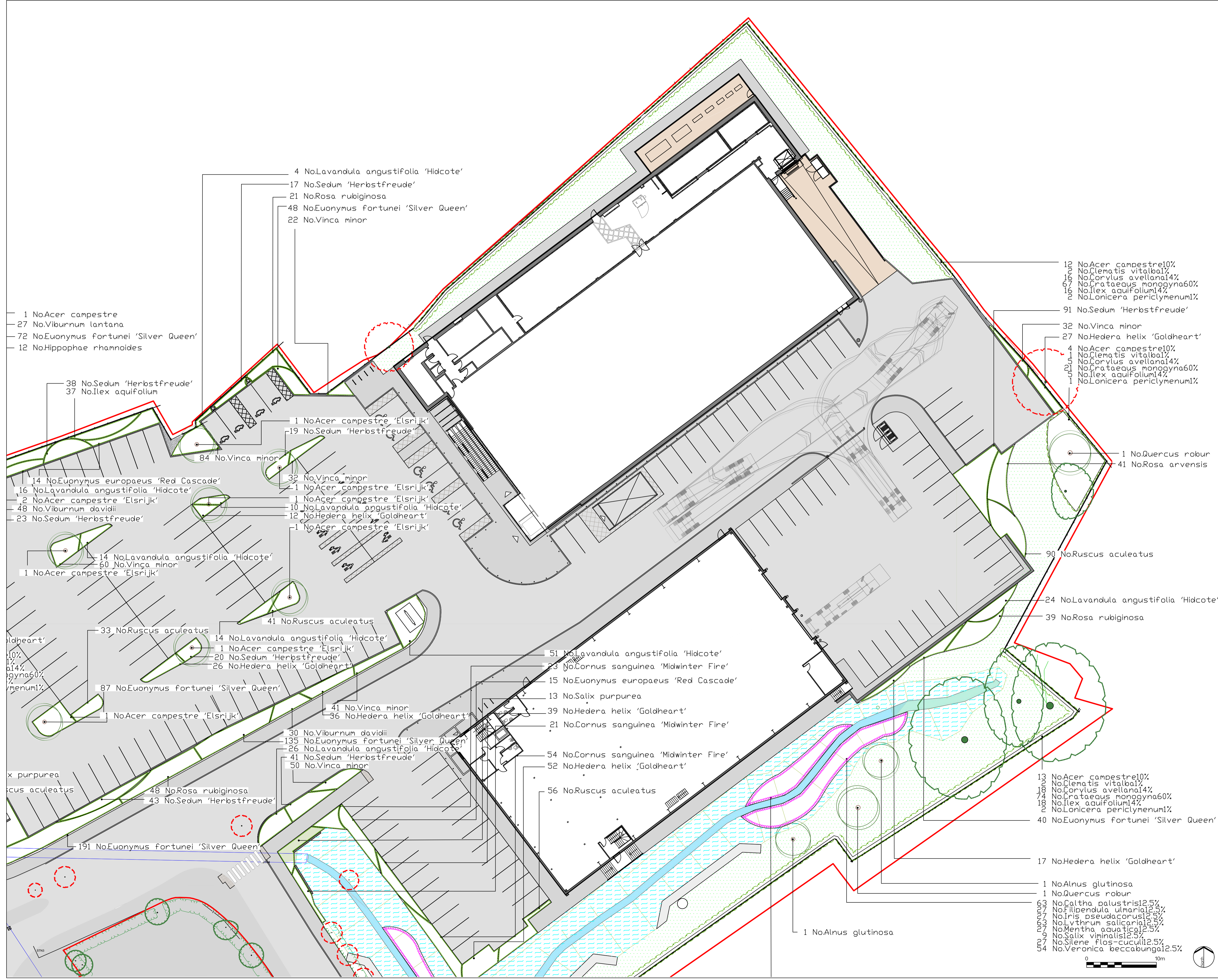
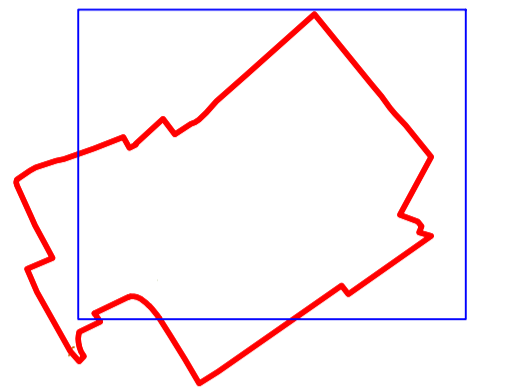
Plan 4: 13865_P14 Soft Landscape Proposals Sheet 4 of 4



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- Site Boundary
- Proposed Amenity Grass
- Proposed Wet Meadow Mix
- Proposed Water-Tolerant Planting
- Proposed Shrub Planting
- Proposed Tree Planting
- Proposed Native Hedgerow
- Existing Tree
- Existing Hedgerow
- Tree Removal
- Gravel

FOR PLANNING PURPOSES ONLY NOT FOR CONSTRUCTION

Rev	Description	Date

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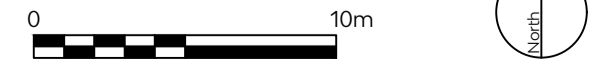
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Aldi, Little Testwood Farm
Soft Landscape Proposals

Drawing title
Soft Landscape Proposals
Sheet 2 of 4

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		Approved	RM

Drawing number
13865/P11

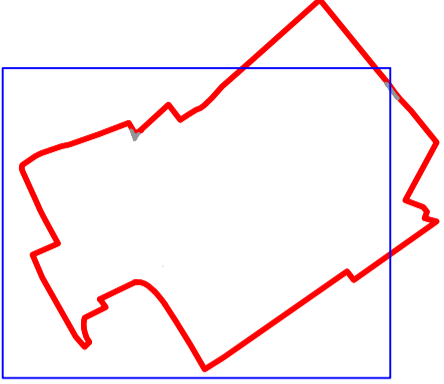
Revision



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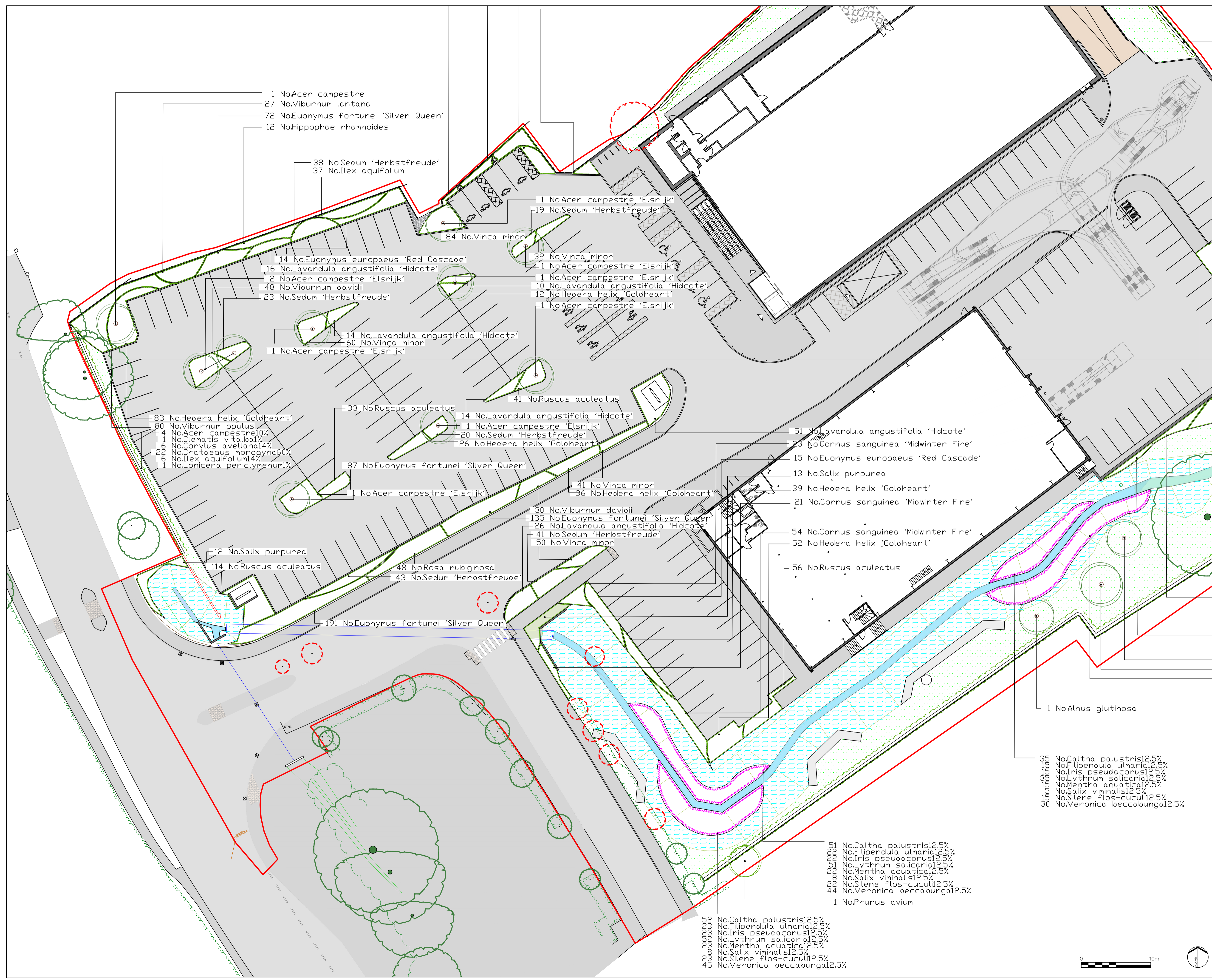
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- Existing Tree
- Existing Hedgerow
- Tree Removal
- Gravel

FOR PLANNING PURPOSES ONLY NOT FOR CONSTRUCTION



- 1 No. Alnus glutinosa
- 35 No. Caltha palustris 12.5%
- 1 No. Filipendula ulmaria 2.5%
- 1 No. Iris pseudacorus 12.5%
- 3 No. Lythrum salicaria 12.5%
- 1 No. Mentha aquatica 2.5%
- 1 No. Salix viminalis 2.5%
- 15 No. Silene flos-cuculi 2.5%
- 30 No. Veronica beccabunga 2.5%

- 51 No. Caltha palustris 12.5%
- 20 No. Filipendula ulmaria 2.5%
- 20 No. Iris pseudacorus 12.5%
- 20 No. Lythrum salicaria 12.5%
- 20 No. Mentha aquatica 2.5%
- 20 No. Salix viminalis 2.5%
- 20 No. Silene flos-cuculi 2.5%
- 44 No. Veronica beccabunga 2.5%
- 1 No. Prunus avium

- 5 No. Caltha palustris 12.5%
- 20 No. Filipendula ulmaria 2.5%
- 20 No. Iris pseudacorus 12.5%
- 20 No. Lythrum salicaria 12.5%
- 20 No. Mentha aquatica 2.5%
- 20 No. Salix viminalis 2.5%
- 20 No. Silene flos-cuculi 2.5%
- 40 No. Veronica beccabunga 2.5%

Rev	Description	Date
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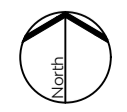
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Soft Landscape Proposals
Sheet 3 of 4

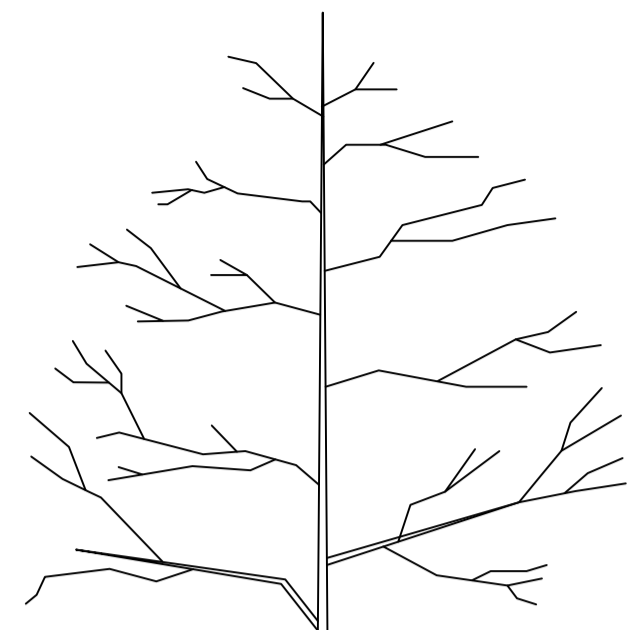
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Checked RM
Approved RM

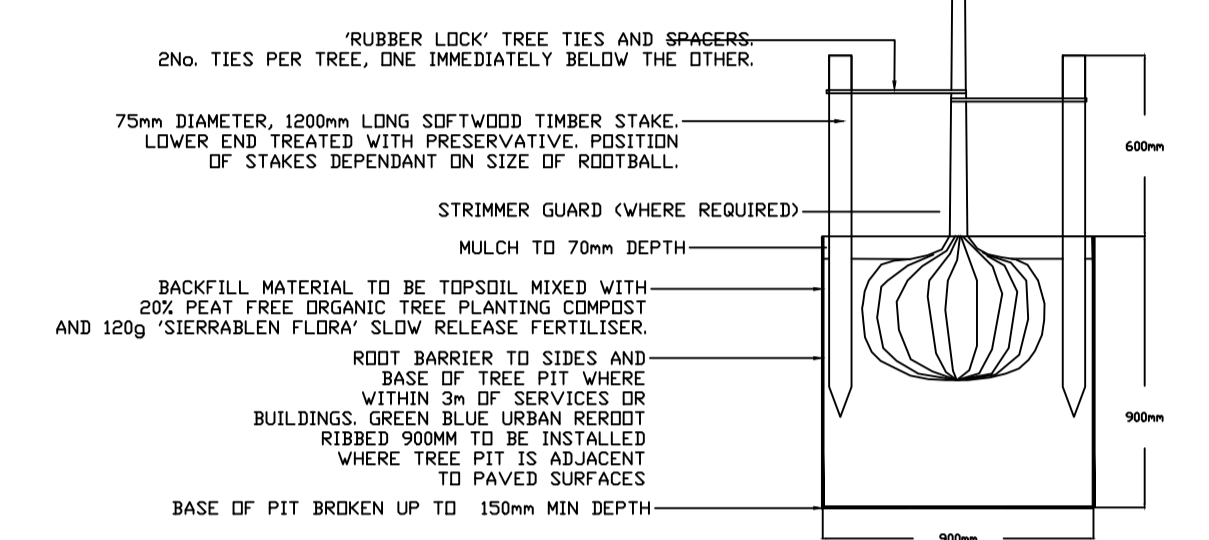
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13865/P13

Revision





HEAVY STANDARD TREES IN SOFT LANDSCAPE AREAS



Header

Number	Species	Specification
1	Acer campestre	Heavy Standard: 5 brks: 3x: RB: Clear Stem min. 200cm
9	Acer campestre 'Elsrijk'	Heavy Standard: 5 brks: 3x: RB: Clear Stem min. 200cm
2	Ainus glutinosa	Heavy Standard: 5 brks: 3x: RB: Clear Stem min. 200cm
1	Prunus avium	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm
2	Quercus robur	Large Feathered: 7 brks: 3x: RB

Shrubs

Number	Species	Specification	Density
98	Cornus sanguinea 'Midwinter Fire'	Branched: 3 brks: C	3/m ²
29	Euonymus europaeus 'Red Cascade'	Branched: 3 brks: C	1/m ²
573	Euonymus Fortunei 'Silver Queen'	Bushy: 3 brks: C	5/m ²
412	Hedera helix 'Goldheart'	Caned: Several Shoots: 3 brks: C	3/m ²
12	Hippophae rhamnoides	Branched: 3 brks: C	1/m ²
37	Ilex aquifolium	Leader with Laterals: C	3/m ²
159	Lavandula angustifolia 'Hidcote'	Bushy: 7 brks: C	2/m ²
41	Rosa arvensis	Branched: 5 brks: C	2/m ²
129	Rosa rubiginosa	Branched: 3 brks: C	2/m ²
334	Ruscus aculeatus	Several Shoots: 3 brks: C	4/m ²
25	Salix purpurea	Branched: 3 brks: C	1/m ²
309	Sedum 'Herbstfreude'	Full Pot: C	3/m ²
78	Viburnum davidii	Bushy: 3 brks: C	3/m ²
54	Viburnum lantana	Branched: 3 brks: C	2/m ²
80	Viburnum opulus	1+2: Transplant - seed raised: Branched: 3 brks: B	2/m ²
321	Vinca minor	Several Shoots: 3 brks: C	5/m ²

Native Hedgerow Mix

Number	Species	Specification	Percentage Contribution
24	Acer campestre	1+1: Transplant - seed raised: B	10%
5	Clematis vitalba	Caned: Several Shoots: 2 brks: C	1%
33	Corylus avellana	1+2: Transplant - seed raised: Branched: 3 brks: B	14%
132	Corylus monogyna	1+1: Transplant - seed raised: B	6.0%
33	Ilex aquifolium	Leader with Laterals: C	14%
5	Lonicera periclymenum	Caned: Several Shoots: 2 brks: C	1%
Total :232			1%

Water-Tolerant Planting

Number	Species	Specification	Density	Percentage Contribution
201	Caltha palustris	Full Pot: C	7/m ²	12.5%
87	Filipendula ulmaria	Full Pot: Sept to April planting: British Native-origin: C	3/m ²	12.5%
87	Iris pseudacorus	Full Pot: Sept to April planting: British Native-origin: C	3/m ²	12.5%
201	Lythrum salicaria	Full Pot: C	7/m ²	12.5%
87	Mentha aquatica	Full Pot: Sept to April planting: British Native-origin: C	3/m ²	12.5%
30	Salix viminalis	0/1: Cutting: Branched: 2 brks: B	1/m ²	12.5%
87	Silene flos-cuculi	Full Pot: Sept to April planting: British Native-origin: C	3/m ²	12.5%
173	Veronica beccabunga	Plug: Established Root: Sept to April planting: British Native-origin: C	6/m ²	12.5%
Total :953			12.5%	12.5%

Total Area of Proposed Amenity Grassland = 1163 m2 to be sown with Emorsgate EM1 at 4g/m2 (or similar)
 Total Area of Pond Edge Mixture = 872 m2 to be sown with Emorsgate EP1 at 4g/m2 (or similar)

COMPONENT	TASK	TIME OF YEAR	FREQUENCY
	Visits every two months throughout the two-year defects and establishment period, more frequently if required due to prolonged dry weather conditions and the need for watering. Subsequently management and maintenance operations will be monitored and reviewed annually on an on-going basis and where required modified if the operations and frequencies set out do not deliver the required results or meet the specific aims and objectives.		
Existing Trees:	Trimming and selective thinning of the canopy by a suitably qualified operative (SQC) where overhanging branches impact on adjacent buildings or canopy structures, pedestrian or vehicular access	October to February	As required (annually)
	Removal of any dead wood in the canopy of overhanging trees	October to February	As required (annually)
Trees:	Prune and repair wounds in accordance with good horticultural and arboricultural practice	October to February	As required (annually)
	Check the ties regularly for rubbing and adjust if necessary. Constriction of the stem by ties happens very quickly, so fast-growing trees need frequent checking. After bad weather, check for abrasion and snapped stakes or ties. Re-firm tree by adjusting tree ties and ensuring soil is re-firmed around the base.	Feb and after strong winds, frost heave and other disturbances	As required (annually)
	Hand weed mulched areas around trees	June to September	Every visit
	Apply suitable non-selective herbicide to control weeds	April to October	Only if required and other methods are unsuccessful
	Replace any failed specimens.	October to March	As required during the two-year DLP (next available planting season)
	Remove debris/litter	Throughout	Monthly/every visit
	Top up bark mulch around bases of trees to full depth of 75mm	April	As required (annually)
	Newly planted trees will be watered throughout May - August months after any period of two weeks without significant rain to thoroughly wet the top 150mm of soil around the tree roots.	Throughout	As required after a period of two weeks without significant rainfall
	Trimming and selective thinning of the canopy. Trim back growth overhanging adjacent footpaths when required	October to March	As required (annually)
	In years 2 and onwards remove staking if tree has established well and the stakes are no longer required	Any	As required

COMPONENT	TASK	TIME OF YEAR	FREQUENCY
Shrub Planting:	Trimming and reshaping to encourage healthy bushy growth. Trim back growth overhanging adjacent footpaths when required	October to March	Annually if required
	Coppicing (Cornus sanguinea 'Midwinter Fire') to promote desirable ornamental feature - colourful winter stems	Hard-prune February	Annually after in years 3 and onwards
	Trimming of groundcover planting within visibility splays to be maintained below 600mm	October to March	As required (annually)
	Hand-weed	Throughout	Every visit
	Apply suitable non-selective herbicide to control weeds	April to September	Only if required and other methods are unsuccessful
	Apply fertiliser: Slow release, applied as per manufacturer's recommendations	April to May	Annually
	Remove debris/litter	Throughout	Every visit
	Replace any failed specimens.	October to March	Within the two-year DLP, as required (next available planting season)
	Top up bark mulch around bases of shrubs to full depth of 75mm	April	Annually
	Watering of newly established shrubs	April to September	As required after a period of two weeks without significant rainfall, during the DLP
Native Hedgerow:	Re-shaping	Hard prune October to February	Annually if required
	Hand-weed	Through-out	Monthly/every visit
	Apply suitable non-selective herbicide to control weeds	April to September	As required
	Remove debris/litter	Throughout	Monthly/every visit
	Top up bark mulch around bases of trees to full depth of 75mm	April	As required (annually)
	Newly planted trees will be watered throughout May - August months after any period of two weeks without significant rain to thoroughly wet the top 150mm of soil around the tree roots.	Throughout	As required after a period of two weeks without significant rainfall
	Trim and top hedgerow as necessary avoiding bird nesting season	February	As required (annually)
Grassland Meadow Mix:	Repair eroded areas - rotovate to 150mm, seed with appropriate mixes as per planting schedule	May to September	As required (annually)
	Remove debris/litter	Throughout	Monthly/every visit
	Neat edges - cut with visits every two months and remove arisings in areas of close mown grass	March to October	With visits every two months
	Cut to 50mm	March to October	3 times per year
	Spot treatments of noxious weeds using approved selective herbicides	Throughout	As required (annually)
Deadwood/Brushwood Stocks:	Use deadwood and brushwood arisings from maintenance operations to create stocks to be placed within newly created habitat adjacent to the water course	As directed	Update/replace every 5 years

SPECIFICATION NOTES

GENERAL

Proposals to be read in conjunction with Architects and Engineers Drawings. This drawing and specification is for planning purposes only and not for construction.

All landscape operations to be in accordance with all relevant and current BS and BS EN standards, including BS 8545: 2014 'Trees from nursery to independence in the landscape', BS4285: 2000 'Code of practice for general landscape operations (including hard surfaces)', BS 8536: 2000 'Nursery stock Specification for fruit plants', BS 8537: 2012 'Nursery stock Specification for trees and shrubs', BS 8538: 2012 'Nursery stock Specification for forest trees, poplars and willows, and all amendments to date. Plant material to conform with the National Plant Specification.

Any Plant material planted outside the recognised planting season (Nov-Feb), to be containerised stock and supplied at the sites specified.

Plant handling and planting operations to be in accordance with HTA 'Handling and Establishing Landscape Plants parts 1 & 2'.

All planting to be maintained and guaranteed for 12 months to include watering, weeding, litter picking, pest & disease control.

The landscape contractor is to take all safety precautions to prevent any injury to any persons. The landscape contractor shall comply with the requirements of the Health and Safety at Work Act 1974 and current Construction, Design and Management Regulations.

SOIL AND MULCH

Existing topsoil to be stripped and stored on site in heaps not exceeding 2m height and kept weed free;

Any compacted subsoil to be broken up to allow free drainage and to enable topsoil to key into surface;

Any imported multi-purpose topsoil to be to BS3882:2015 Specification for Topsoil, weed free, medium texture, neutral PH value, reasonably stone free with no stones over 20mm in size;

Finished topsoil levels to be flush with adjacent paved surfaces;

Soil depths to be 600mm for Heavy Standard trees, 600mm for Standard trees; 400mm for shrub and hedge planting, 150mm for grass turfing and seeding.

Backfill for trees as per detail and other planting to be a mix of 50/50 approved/rotated topsoil and shrub planting compost evenly mixed.

After pruning shrubs apply a general fertiliser and mulch.

ADDITIONAL SOIL HANDLING RECOMMENDATIONS

The soils are vulnerable to physical degradation. Ensure soils are not unnecessarily compacted by trampling during soil preparations and planting, and soil handling should be stopped during and after heavy rainfall, and not continued until the soil has returned to a friable state.

To maintain the physical condition of the soil and avoid structural damage, all phases of soil handling operations should only be carried out when the soils are reasonably dry and non-plastic (friable) in consistency.

If the soils are structurally damaged and compacted at any stage during the course of soil or landscaping works, it should be cultivated appropriately to relieve the compaction and to restore the soils structure prior to any planting.

Remove larger stones and pieces of rubble within the subsoil layer if encountered during the excavation of planting pits where subsoil is not being replaced.

PLANT MATERIAL TREATMENT

All to be British grown stock and fully hardened off;

Root Dip - Proprietary Root Dip applied to all bare root stock at time of lifting at nursery and prior to planting (for hedgerow plants);

Anti-Desiccant - Proprietary anti-desiccant to be applied to foliage of all containerised/rotated material in leaf prior to transportation and during any delay in planting;

Tree Stakes and Ties - Stakes to be pressure treated, round, smooth and peeled ends or Choptan as per detail.

EXISTING TREES AND SHRUBS

Where existing trees and shrubs are to be retained they will be subject to a full Arboricultural Inspection for safety;

Any surgery required shall be in accordance with BS3998: 2010 'Tree Work - Recommendations';

All existing trees and hedges to be retained are subject to BS5837: 2012 'Trees in relation to Construction - Recommendations', and should be fully fenced off in accordance, prior to the commencement of any works;

No storage of materials, disposal of rubbish, fire, spillage of oil and chemicals, ground compaction, excavation or changes in level shall be carried out within existing tree/hedge canopies or their Root Protection Areas.

The contractor shall maintain protective fencing around retained trees and hedgerows until all site works are completed. The contractor will then remove the fencing and restate the ground maintaining all existing levels.

All works shall comply fully with the Arboricultural Method Statement;

PROPOSED TREES

Contractor to ascertain the location of all sewers and services prior to tree planting;

Use Green Blue Urban Retrot 2000 in the vicinity of buildings and Root Retention Barriers in the vicinity of path/hard surfaces and services (refer to tree pit details). All tree pits with root barriers are subject to engineer's approval.

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. Urban tree pits comprising the GreenBlue Urban Retrot Barriers (utilising a Rootbar 600 system in conjunction with a suitable RootSpace structure) will be implemented given proximity to paths/hard surfaces and services Standard tree pit details (drawing ref. GRU 2113) are available at <https://greenblue.com/wp-content/uploads/2020/02/GRU-2113.pdf>. As this specification is for planning purposes only, all tree pits and root barrier details are subject to engineer's approval and are to be fully specified in conjunction with GreenBlue Project Consultant team prior to construction.

Cut back any broken or damaged roots to sound growth.

Plant trees upright, in the centre of the pit and at original soil depth.

The phase 1 Geoenvironmental Site Assessment (6/3/July 2021) identified that certain deposits underlie the site. Consideration of the potential water demand of trees affecting foundations should be considered e.g. through specialist soil analysis.

CONTAINERISED SHRUBS

Before planting, remove any non-perishable containers and carefully prune any damaged roots. Plant upright or well balanced with best to front. Carefully return excavated topsoil/shrub planting compost mix, packing around evenly spread roots or root ball and heel well in;

Planting holes for shrubs to be 150mm wider than root spread and 450mm deep.

Shrubs to be planted in groups of 3-7 of the same species wherever possible, with smaller plants located adjacent paths and roads;

Water plants thoroughly immediately after planting;

Immediately after planting cut back any damaged, dead or diseased branches;

After planting rake soil to a fine tilth with approved cambers and no hollows;

After raking apply approved bark mulch to a depth of 75mm.

BARE ROOT SHRUB/TREE PLANTING

In open areas and existing planted root protection areas (hatched yellow) clear ground shrub layer, outside of bird nesting season (between October and February) and treat weed growth to prepare clear planting area. Then Plant between November and March.

Notch planting only permitted with spade and refine soil after planting. Install individual porous 2m diameter mesh mats around each plant.

HEDGING

All bareroot stock to be notch planted.

Plant hedging in trenches 450mm deep and large enough to take the full spread of roots.

Set out plants evenly as scheduled, planted in groups of 9 of the same species to form naturalistic drifts with climber distributed randomly, between them;

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 September 1st to February 28th).

Hedging within the Root Protection Zones of existing woody habitats (as identified on the Tree Retention and Removal Plan - TG ref: 12176/P03) to be notch planted and comprise the proposed bare root stock specimens. Containerised and rootball specimens to be planted outside the RPA, of retained trees.

RABBIT GUARDS

Install rabbit guards to all hedging transplants supported by canes (to supplier specification).

The contractor shall maintain rabbit spirals and canes in place during the management and maintenance period.

Use agalium to be protected by shrub shelters (staked and tied to supplier specification).

SHRUB PLANTING AND MAINTENANCE

Plant shrubs upright, in the centre of the pit and at original soil depth.

Plant shrubs between October and April, avoid planting in waterlogged or frozen soil.

Leave a 0.7 metre space between shrub and new tree planting.

Leave a 0.1 metre space between shrub planting walls and edge of car park.

Corrective pruning of diseased, damaged, congested or spindly stems in unwanted directions can take place mid to late spring when there is no risk of frost.

PREPARATION OF TURF BEDS, AMENITY GRASS AND WATER TOLERANT PLANTING

Prepare the ground by rotavation to break up topsoil to full depth and reduce top 100mm to a fine tilth. Avoid doing this when the soil is wet, to avoid damaging the soil structure and drainage. All turfed areas are to be weed free prior to turfing;

Remove all undesirable particles brought to the surface including clay balls and stones larger than 50mm in any dimension, building debris, or roots;

Grade the final surface to smooth contours ensuring the removal of all localised hollows and ridges, allowing for any settlement so that finished levels should be applied. 30mm higher than adjacent kerbs and manholes.

WATER TOLERANT PLANTING AND MAINTENANCE

Plant upright and at original soil depth.

Planting to be undertaken in late summer or early spring.

Plants are to be grouped 3, 7s and 9s and distributed in naturalistic swathes around the stream edge.

Remove any dead foliage in autumn.

Old flowers stems to be pruned annually to encourage new growth.

SEEDING - AMENITY GRASSLAND PLANTING

Seeding to be undertaken between April-October (in accordance with Emorsgate recommendations);

Seed in calm weather with seed evenly distributed in 2 directions;

Sowing rates as recommended by Emorsgate;

Roll seed to ensure contact with the soil ('cristle or Cambridge' or as appropriate);

First and subsequent cuts in accordance with Emorsgate recommendations);

SEEDING - POND EDGE MIXTURE PLANTING EMORSGATE EP1

Seeding to be undertaken between April-October (in accordance with Emorsgate recommendations) on open and raised ground stripped of vegetation.

Seed in calm weather with seed evenly distributed in 2 directions in overlapping sections;

Sowing rates as recommended by Emorsgate;

Roll seed to ensure contact with the soil ('cristle or Cambridge' or as appropriate);

First and subsequent cuts in accordance with Emorsgate recommendations);

WATERING

Planting areas are to be brought up to field capacity on completion of planting and during maintenance visits subject to prevailing conditions.

WEEDING AND LITTER CLEARANCE

This document should not be relied on or used in circumstances other than those for which it was prepared and for which Tyler Grange was appointed.

Tyler Grange accepts no responsibility for this document to any other party other than the person by whom it was appointed.

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