

ROY01-LLA-P1-XX-RP-L-0601\_P03

Landscape Management Plan

**Burloes, Royston – Phase 1**

Vistry Partnerships Ltd.

First issue: 15.03.24

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| Revision           | <b>P03</b>                                       |
| Document Number:   | <b>ROY01-LLA-P1-XX-RP-L-0601</b>                 |
| Date first issued: | <b>15.03.24</b>                                  |
| Latest issue:      | <b>23.06.26</b>                                  |
| Checked by:        | <b>Andrew Ferguson, Associate Director, CMLI</b> |

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**LANDSCAPE MANAGEMENT PLAN TO BE READ IN CONJUNCTION WITH:**

**APPENDIX A: DRAWINGS (see drawings list in table below and any revisions thereafter)**

**APPENDIX B: SCHEDULE OF IMPLEMENTATION**

| <b>APPENDIX A DRAWINGS</b> |                                      |
|----------------------------|--------------------------------------|
| <b>DRAWING NUMBER</b>      | <b>DRAWING TITLE</b>                 |
| ROY01-LLA-P1-GF-DR-L-0201  | Detailed Planting Proposals – 1 of 6 |
| ROY01-LLA-P1-GF-DR-L-0202  | Detailed Planting Proposals – 2 of 6 |
| ROY01-LLA-P1-GF-DR-L-0203  | Detailed Planting Proposals – 3 of 6 |
| ROY01-LLA-P1-GF-DR-L-0204  | Detailed Planting Proposals – 4 of 6 |
| ROY01-LLA-P1-GF-DR-L-0205  | Detailed Planting Proposals – 5 of 6 |
| ROY01-LLA-P1-GF-DR-L-0206  | Detailed Planting Proposals – 6 of 6 |
| ROY01-LLA-P1-GF-DR-L-0301  | Landscape Specification and Details  |

## 1 INTRODUCTION

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### 1.1 Background and Context

1.1.1 This report presents a Management Plan for the communal areas associated with the Burloes, Newmarket Road, Royston, development. The communal areas of open space are to be managed for the purpose of low-key recreational use, to provide an attractive setting to the new properties, and to integrate into the wider green infrastructure strategy.

1.1.2 The management responsibility will be with the appointed Management Company set up on behalf of the residents by the client. Areas are to be managed in accordance with this Management Plan for a minimum five-year period, commencing at the time of completion of the contractor's defects liability period. For the duration of the contractor's defects liability period (12 months after completion of works) the maintenance liability of all areas will lie with the developer.

1.1.3 This report has been designed to provide a steering manual for the day-to-day management of the site at ground level and one which can be updated as required. It sets out in broad terms the landscape aspirations for the site, both in the short and longer term and provides practical means by which these aims may be translated to well managed results on the ground. It relates directly to the landscape proposals in **Appendix A**.

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### 1.2 Works Programme

1.2.1 The provisions within the establishment maintenance specification should be adopted by the landscape contractor for all planting areas from time of planting until the agreed handover to ensure successful establishment.

1.2.2 Planting areas within private ownership are to be handed over to the proprietors in accordance with the contractual agreements for the completion of any rectification period. Depending on the time frame for the handover of the front garden planting, there may be a need to adopt the ongoing maintenance regime set out in this plan.

- 1.2.3 It may be likely that the completion and handover of the landscape works by the contractor will be phased. This management plan covers both pre and post-handover periods for continuity.
- 1.2.4 All public areas, including hard landscape, furniture and features are to be maintained in accordance with this management plan for a minimum five-year period.
- 1.2.5 It should be noted that the proposed annual timing of operations in the following Works Programme are flexible and it is anticipated that the exact programme of works will be influenced by seasonal weather conditions and factors such as variability in growth rates.

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**1.3 Legal Constraints**

- 1.3.1 Any inhabitation by statutorily protected species will need to be given due consideration with respect to management operations in the affected areas.
- 1.3.2 In the management schedules set out below, the timing of operations (by season or month) is given, either in terms of achieving optimum results or minimising potential disturbance to wildlife. In general terms, pruning or other works to established hedgerows, shrubs and trees, which may contain breeding birds, should avoid the bird breeding season. In most years this is typically but not exclusively from the end of February to August as the nesting period may start before and extend beyond these dates.
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## 2 MANAGEMENT AIMS AND OBJECTIVES

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### 2.1 General Aims and Objectives

2.1.1 The provision of a well-structured landscape, within a formal yet diverse vegetative framework, will ensure that the visual appeal, the biodiversity potential and functional purpose of the linked areas of open space are fulfilled in the foreseeable future.

2.1.2 The primary landscape objective for the site is to create and maintain a landscape framework to help emphasise the site's characteristics, whilst integrating the development within the wider community.

2.1.3 The main aim of the management plan is to set mechanisms in place which ensure that the open spaces are well managed in perpetuity both for the benefit of the new residents and the existing surrounding residents so that they do not become degraded. This report aims to:

- define the management aims, objectives and maintenance practises for the different areas of public open space and public realm landscape, in the short and longer term
- ensure that these practises can be efficiently carried out and that they are environmentally sustainable
- provide a readily understandable manual for those involved in the management of the site
- set out an integrated yet flexible approach to the management of the site and to provide written documentation of the project, with scope for updating and adapting operations if necessary.

2.1.4 The principle aims for managing the landscaped areas are as follows:

- to introduce strong management policies which will enhance the visual appeal of the site and the landscape setting of the development

- to maximise the ecological potential of the existing and new habitats associated with the development
  - to ensure that the long-term health and vigour of the new planting is optimised in the future.
  - to encourage appropriate recreational use of the site by local residents, whilst strongly discouraging inappropriate and indiscriminate use of the site by, for example, fly tipping.
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### 3 MANAGEMENT PLAN FOR EXISTING VEGETATION

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#### 3.1 Operation 1: Management of Existing Trees and Hedging

##### Trees General

- 3.1.1 The arboricultural Impact assessment and proceeding detailed arboricultural reports produced for this site should be made available to the management company to reference.
- 3.1.2 All existing trees located within the ownership boundary of this site are subject to this management report. All trees adjacent to the site which are not within the ownership boundary but of which the branches and roots encroach on the site are to be assessed and dealt with under common law guidelines for nuisance and or dangerous trees and vegetation as required.
- 3.1.3 Existing trees with Tree Preservation Orders (TPOs) should be managed to current regulations. Refer to the associated Arboricultural Impact Assessment for details.
- 3.1.4 Exceptions of work to these trees (allowed without permission) are noted in the Town and Country Planning (Tree preservation) (England) 2012. Tree felling if required due to damage or poor condition must take in to account the legal restrictions against the imminent risk to life.
- 3.1.5 Tree problems that may require immediate action;
- Tree snapped or blown over;
  - Large damaged branches;
  - Uprooted tree being held by another tree or property;
  - Tree or branch blocking access or fallen on to property.
- 3.1.6 Trees in areas of human activity, i.e. near paths or roads, should as a minimum be subject to full annual assessments and inspected after significant windy weather to ensure damaged or fallen trees are not a danger.

- 3.1.7 Any trees suspected of providing suitable hibernation roosts for bats are to be inspected by a licensed bat worker and works to be undertaken in accordance with 'Best Working Practise', as specified by The Bat Conservation Trust.
- 3.1.8 Any removal of ivy from tree trunks should take into consideration the potential to provide foraging and commuting habitat for bats. Refer to the current ecological survey to determine the need to retain ivy.
- 3.1.9 Any works are to be undertaken at a time to avoid the bird breeding season and preferably during the winter months unless more urgent action is required.
- 3.1.10 Following any inspection, a schedule should be provided of essential remedial surgery/other works or tree removal required for public safety/tree health reasons, this should then be supplied to the management company. Works are to be carried out in accordance with BS 3998 - 2010 Tree Work - recommendations or refer to 'the current document' of that standard. All tree works to be undertaken by a qualified tree surgeon and works supervised by a qualified Arboriculturalist.
- 3.1.11 Any reports from residents about trees in the communal areas to be passed to the landowner. These may include;
- Trees overhanging property;
  - Tree root by drains;
  - Trees blocking natural light;
  - Trees blocking visibility splays on highways;
  - Trees causing damage to surfacing or structures.

#### **Existing Mature Trees**

- 3.1.12 Existing mature trees are to be subject to minimal arboricultural works, to ensure public safety but also to enhance their longevity, their value to the setting of the site and to optimise their wildlife potential.
- 3.1.13 Trees in the public open spaces are to be managed to reflect the context of the site, species, age and condition. Maintenance should enhance the trees potential for growth in full height and spread.

- 3.1.14 Mature/veteran trees will require some ongoing maintenance including removal of dead wood if deemed necessary by a qualified arborist. Tree felling if required due to damage or poor condition must take in to account the legal restrictions against imminent risk. Deadwood is to be considered for retention as a habitat enhancement where deemed suitable for ecology and in agreement with the landowner.

#### **Existing Young Trees**

- 3.1.15 Formative pruning may be required depending on condition. Objective is to remove problems in tree form when the tree is young to avoid future problems, for example removing low branches from pathways and removing trees when they come to the end of their safe and useful life.

#### **Existing hedging / scrub**

- 3.1.16 Existing hedging / scrub vegetation to be retained is to be pruned as required to ensure the promotion of future growth and good health. Areas of retained vegetation where neighbouring plants have been removed are to be pruned to encourage new growth on outward facing stems. Areas of dead or significantly damaged vegetation to be replaced with suitable species for the location. Arisings to be removed off site.
- 3.1.17 Within areas where existing vegetation is removed for the path works, retained vegetation is to be pruned to encourage new growth. This is to particularly focus on outward facing stems. The objective is to ensure the retained vegetation grows back into an attractive boundary.
- 3.1.18 Ongoing maintenance will be required to ensure the vegetation does not impede on the paths and roadways. Vegetation to be cut back in late autumn/ winter. Pruning should be significant enough to prevent the immediate obstruction of any new growth in spring and early summer. Pruning should take place after any flowering or fruiting is complete to ensure provision for wildlife is retained.
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## 4 MANAGEMENT PLAN FOR NEW PLANTING

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### 4.1 Operation 2: New Trees

- 4.1.1 **Objective:** to promote early establishment and vigour in all newly planted trees within the development area. Longer-term management to include replacement as required and formative pruning to create a healthy, strategic landscape component and to perpetuate the original design aims.

#### Establishment Maintenance of New Trees

- 4.1.2 Establishment maintenance of newly planted trees will be required for the first three years after planting to ensure rapid early growth. Visits shall be undertaken at least monthly between April and September in the first year, with two visits during the dormant season. In the second and third years the frequency of visits can be reduced to bi-monthly. Maintenance visits are required to ensure that the following maintenance requirements are satisfactorily undertaken:
- Watering as required to ensure healthy growth, particularly in the trees first two years after planting. All trees to be visited weekly in periods of dry weather and sufficient water to be applied to eliminate drought related stress.
  - All trees to be treated with an annual application of an approved slow-release fertiliser used as a top dressing at the manufacturer's recommended rates in April of Years 1 and 3. Slow release fertiliser to be applied no further from the tree than the first metre and to be placed under mulch and covered to ensure a hazard is not presented on the ground surface. Chemicals are not to be used within 3 metres of, or within areas that drain directly into, attenuation basins, swales and watercourses to avoid nutrient pollution.
  - Trees that have become loosened, are leaning or have lifted out of the ground to be set upright and re-firmed by treading. Tree supports (including underground guys) to be regularly checked, adjusted, repaired and replaced as necessary and irrigation tubes to be kept free of blockages.

- Tree stake ties to be adjusted (loosened or tightened) regularly to avoid asphyxiation of the tree trunk and to ensure rubbing does not occur owing to wind rock.
- Weed control is required to keep all planting areas free of grass and weed growth. This weed control must be by hand in Year 1, with chemical control as appropriate and in line with current regulations, permitted only in 1.0m squares around clear-stemmed trees in Years 2 and 3. Chemical weed controls are not to be used within 3 metres of, or within areas that drain directly into, attenuation basins, swales and watercourses to avoid nutrient pollution.
- Trees to be kept free of pests and diseases; regular monitoring to be undertaken.
- General pruning to be carried out to remove straggling stems, over-vigorous shoots, suckers and dead, misshapen, broken or otherwise unhealthy branches. The overall form of the tree is to remain balanced following pruning work.
- Planting areas to be kept free of litter and leaf fall and grass edges to be kept regularly trimmed and tidy.
- Where mulch is used as a top dressing, this to be regularly topped up to 100mm, to ensure a minimum depth of 75mm. Mulch to be kept clear off adjacent grass, paved areas etc. Mulch used shall be a coarse composted bark. Application shall be even across the extent of the planting area and there should be no mounding of bark mulch around the base of the tree (known as volcano mulching).
- General autumn tidy.
- All arisings to be removed from site and the site to be left clean and tidy at all times.

#### 4.1.3

An inspection is to be made in August each year. Any losses of planted trees, whether by natural means or vandalism and any other plants that have failed to thrive are to be replaced in the planting season following the loss. Replacement trees are to be of the same specification and size as the original plants and of the best quality obtainable.

- 4.1.4 New tree planting within the Public Open Space should be regarded in a different light to those within the immediate residential area. As such, in the longer term these trees may be subject to minimal management to allow the trees to develop into character trees of value to wildlife.

#### **Longer Term Management of New Trees**

- 4.1.5 Regular maintenance visits should be made at quarterly intervals each year. It will be necessary to undertake general inspection for pests and disease, 'tidying' e.g. pruning of any poor or damaged branches, removal and replacement of dead trees, litter and leaf fall clearance, topping up, raking and sweeping of mulch to provide a tidy appearance etc., as described above for the Establishment Period. All arisings to be removed from site and the site to be left clean and tidy at all times.
- 4.1.6 An inspection to be made in August up to and including Year 5. Any losses of planted trees, whether by natural means, wear and tear or vandalism and any other trees that have failed to thrive, to be noted and the trees replaced in the planting season following the loss. Replacement trees to be of the same specification, location and size as the original trees, unless the LPA gives its written consent to any variation.
- 4.1.7 Tree guards, grilles and any other supports to be checked and when necessary adjusted, repaired, removed or replaced, to ensure healthy unrestricted growth. If a tree support is no longer required as the tree is supporting itself, remove the tree support entirely. The tree support is generally removed around year 3, however this judgement shall depend on how well the tree has established before tree support removal is considered. Tree guards / grilles of street trees are likely to require removal in the long term as the tree base / trunk expands.
- 4.1.8 Following completion of the Establishment Period, the need for both watering and weed control is likely to be reduced but must still be undertaken as necessary to ensure healthy growth and maintain the mulched tree beds in a weed free condition. At this stage it will be possible to use an approved residual soil acting herbicide, to minimise the need for physical removal of weeds. Tree surroundings to be maintained in a weed free state, with trimmed edges and mulch material to be kept topped up to a depth of 75mm. In dry summers trees will require watering using the irrigation system to ensure healthy growth. Chemical weed controls are not to be

used within 3 metres of, or within areas that drain directly into, attenuation basins, swales and watercourses to avoid nutrient pollution.

- 4.1.9 Regular monitoring for pests and diseases will also be needed on an on-going basis and any necessary control measures undertaken as soon as possible.
- 4.1.10 General, corrective pruning to trees to remove die back, straggling stems, over-vigorous shoots, suckers, epicormic growth and dead, misshapen, discoloured, thin, weak, over-crowded, old, broken or dangerous branches from trees by pruning back with a clean cut to the main stem, or to a sound and healthy outward growing lateral. Any removal of dead, diseased or ill formed trees is also to be undertaken at this time and any required replacements undertaken.
- 4.1.11 Trees to be subject to formative pruning, crown thinning and crown raising / reduction, on an annual basis in the autumn, and at other additional times as necessary, to improve the shape of the crowns and to remove any die back and weak or dangerous branches. The trees that are planted in single species rows and formal groups should be pruned as necessary to form a uniform and balanced arboricultural feature.
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## 4.2 Operation 3: Native Scrub Mix

- 4.2.1 **Objective:** Promote early growth of new native planting to create well-structured and healthy, dense buffer.

### Establishment Maintenance of native scrub mix

- 4.2.2 The scrub requires most attention in years 1-3, with planting at 1m centres, attention is required so weed growth, animal damage and human movement will not suppress new planting. Generally years 4-6 will see most growth and may require thinning out to promote density and height. The general principles follow that of new specimen trees and native hedge chapters within this document.
- 4.2.3 All specimens to be treated with an annual application of an approved slow-release fertiliser used as a top dressing at the manufacturer's recommended rates in April of Years 1 and 3. Slow release fertilizer to be applied no further from the tree than the

first metre and to be placed under mulch and covered to ensure a hazard is not presented on the ground surface.

- 4.2.4 Specimens that have become loosened, lifted up or out of the ground to be set upright and re-firmed by treading. Takes/Cane supports to be regularly checked, adjusted, repaired and replaced as necessary and shelters/rabbit guards adjusted were required.
- 4.2.5 Tree stake ties to be adjusted (loosened or tightened) regularly to avoid asphyxiation of the tree trunk and to ensure rubbing does not occur in windy conditions. Tree shelters (guards) to be adjusted accordingly with stake.
- 4.2.6 Weed control is required to keep all planting areas free of grass and weed growth. This weed control must be by hand in Year 1, with chemical control as appropriate and in line with current regulations, permitted only in 1.0m squares around clear-stemmed trees in Years 2 and 3.
- 4.2.7 Specimens to be kept free of pests and diseases; regular monitoring to be undertaken.
- 4.2.8 General pruning to be carried out to remove straggling stems, over-vigorous shoots, suckers and dead, misshapen, broken or otherwise unhealthy branches. The overall form of the tree is to remain balanced following pruning work.
- 4.2.9 Where mulch is used as a top dressing, this to be regularly topped up to 100mm, to ensure a minimum depth of 75mm. Mulch to be kept cleared off adjacent grass, paved areas etc. Mulch used shall be coarse composted bark. Application shall be even across the extent of the planting area and there should be no mounding of bark mulch around the base of the tree. Mulch mats may be used for years 1-3 until established.
- 4.2.10 General autumn tidy.
- 4.2.11 Replacement specimens should be planted in next available planting season were required.

### **Longer Term Maintenance of native scrub mix**

- 4.2.12 Regular maintenance visits should be made at quarterly intervals each year. It will be necessary to undertake general inspection for pests and disease, 'tidying' e.g. pruning of any poor or damaged branches, removal and replacement of dead trees, litter and leaf fall clearance to provide a tidy appearance etc., as described above for the Establishment Period.
- 4.2.13 An inspection to be made in August up to and including Year 5. Owing to the likelihood of thinning out to allow growth of buffer, replacements may not be necessary in years 6-10. Any losses of specimens, whether by natural means, wear and tear or vandalism and any other trees that have failed to thrive, to be noted and replaced in the planting season following the loss. Replacement specimens to be of the same specification, location and size as the original.
- 4.2.14 Shrub shelters/guards, and any other supports to be checked and when necessary adjusted, repaired, removed or replaced, to ensure healthy unrestricted growth. If a tree support is no longer required as the tree is supporting itself, remove the tree support entirely. The tree support is generally removed around year 3, however this judgement shall depend on how well the tree has established before tree support removal is considered. A general view should be taken on animal damage before decisions are made.
- 4.2.15 Following completion of the Establishment Period, the need for both watering and weed control is likely to be reduced but must still be undertaken as necessary to ensure healthy growth. At this stage it will be possible to use an approved residual soil acting herbicide, to minimise the need for physical removal of weeds. Specimen surroundings to be maintained in a weed free state, with trimmed edges and mulch material to be kept topped around bases to suppress weeds were required. In dry summers trees will require watering during periods of drought.
- 4.2.16 Regular monitoring for pests and diseases will also be needed on an on-going basis and any necessary control measures undertaken as soon as possible.
- 4.2.17 General thinning out and pruning to trees to remove die back, straggling stems, over-vigorous shoots, suckers, epicormic growth and dead, misshapen, discoloured, thin,

weak, over-crowded, old, broken or dangerous branches. This will promote growth, habitat and health giving a dense buffer and allow maintenance access through to buffer were required.

- 4.2.18 Buffer to be maintained to an ultimate agreed height, topping to specific height as required.

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### 4.3 Operation 3: New Native Hedgerow

**Objectives:** Promote early growth of new hedge plants to create well-structured and healthy, dense hedges of value to local wildlife.

#### Initial Establishment Maintenance of New Native Hedgerow

- 4.3.1 Establishment Maintenance of new hedgerow planting will be required for the first three years after adoption to ensure rapid early growth. Monthly visits to be undertaken between April and September, with two visits during the dormant season, to ensure that the following maintenance requirements are satisfactorily undertaken:
- Watering as required to ensure healthy growth, particularly in Years 1, 2 and 3. All planting to be visited weekly in periods of dry weather and sufficient water to be applied to eliminate drought related stress.
  - Hedge plants to be treated with an annual application of an approved slow-release fertiliser, at the manufacturer's recommended rates in April of Years 1, 2 and 3. Chemical weed controls are not to be used within 3 metres of, or within areas that drain directly into, attenuation basins, swales and watercourses to avoid nutrient pollution.
  - Plants, which have become loosened, lifted up or out of the ground to be set upright and re-firmed by treading.
  - The need for weed control will be minimised through the use of mulch in planting areas. The mulch is to be regularly topped up to 75mm, ensuring that the lower branches and foliage of plants are not smothered. Mulch to be kept clear of adjacent grass, paved areas etc. This will generally suppress weeds but there may be some localised ingress of weeds. Any additional weed control required to keep the hedge trench free of grass and weed growth must be by hand.

- Plants to be kept free of pests and diseases, regular monitoring to be undertaken.
- General pruning to be carried out to trim laterals, remove straggling stems, over-vigorous shoots, suckers and dead, misshapen, broken or otherwise unhealthy branches. Leading shoots to be left untrimmed during the Establishment Period.
- Planting areas to be kept free of litter and leaf fall.
- General autumn tidy.
- All arisings to be removed from site and the site to be left clean and tidy at all times.

4.3.2 An inspection to be made in August each year. Any losses of hedge plants, whether by natural means or vandalism and any other plants that have failed to thrive, to be replaced in the planting season following the loss. Replacement plants to be of the same specification and size as the original plants.

4.3.3 It may be necessary to reinforce the integrity of the new hedgerows by installing a framework of posts and wire, to be kept intact and in good repair during the Establishment Period.

#### **Longer term Management of New Native Hedgerow**

4.3.4 Following completion of the Establishment Period, the need for both watering and weed control is likely to be reduced.

4.3.5 As a minimum, maintenance visits should be made in spring and late autumn between (April and October) with a visit during the dormant season each year.

4.3.6 Planting, laying and cutting will be carried out between October and March. Hard pruning may be required if the planting is likely to cause an impediment in the following growing season to adjacent to paths, roads or other features if left. Where possible to ensure that birds are not nesting and ideally in January and February to ensure that the fruiting berries are not lost. If a hedge must be trimmed during the fruiting season it is essential to only cut one side so that plenty of food remains. A healthy hedge can normally recover well from severe cutting, but repeated cutting at

the same height can gradually cause whole hedges to die off. One major problem associated with mechanised hedge cutting is the decline in the number of saplings left in hedges to grow into mature trees.

- 4.3.7 Mature hedgerows will need cutting to prevent the native hedge becoming 'leggy' and to encourage dense growth. Cutting on a three-year cycle (one side, top, other side) will allow time for flowering and fruiting shrubs to develop throughout the length of the hedge and is the most beneficial for wildlife.
- 4.3.8 Gaps will either be planted with new plants, which are an opportunity to increase the botanical diversity of the hedge, add trees to the hedge line or be left to regenerate naturally if possible. Any new planting will need to be protected from stock, rabbits and deer for approximately 3-4 years. Initially the surrounding hedge may need cutting back to ensure the new plants receive sufficient light. Regular trimming in the early years of a hedgerow's life will help make it dense
- 4.3.9 An inspection to be made in August each year. Any losses of planted plants, whether by natural means, wear and tear or vandalism and any other plants that have failed to thrive, will be replaced in the planting season following the loss. This to include any plants that are relatively short lived, and which will require routine replacement during the period of the management plan. Replacement plants to be of the same specification and size as the original plants.
- 4.3.10 Recommended cutting machinery for hedging operations will be by use of a handheld mechanical hedge trimmer or a tractor-mounted flail/cutting bar/circular saw attachment for bigger material. All cut faces should be left neat and clean with no jagged ends or tears.
- 4.3.11 Regular monitoring for pests and diseases will be undertaken on an ongoing basis and any necessary control measures will be undertaken as soon as possible. It will be necessary to undertake general 'tidying' e.g. removal of litter, as described above for the Establishment Period. All arisings to be removed from site.

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#### 4.4 Operation 4: New Formal Hedges

**Objectives:** Promote early growth of new formal hedge plants to create well-structured and healthy, dense hedges.

### Initial Establishment Maintenance of New Formal Hedges

#### 4.4.1

Establishment maintenance of new formal hedge planting will be required for the first three years after planting to ensure rapid early growth. Visits shall be undertaken at least monthly between April and September in the first year, with two visits during the dormant season. In the second and third years the frequency of visits can be reduced to bi-monthly. Maintenance visits are required to ensure that the following maintenance requirements are satisfactorily undertaken:

- Watering as required to ensure healthy growth, particularly in Year 1 and 2. All planting areas to be visited weekly in periods of dry weather and sufficient water to be applied to eliminate drought related stress.
- Formal hedges in front gardens shall be maintained in accordance with the preceding clauses, with special care to keep hedges clear of invasive ruderal species. Pruning, clipping, and training of hedges shall be carried out in September each year, to avoid disturbance to birds in the breeding season. The aim is to produce a dense hedge of maximum height of 1.2m with a width of 0.8m. To this end leading stems and other top growth to be allowed to grow for 3 - 4 years, laterals should be trimmed back annually to rectangular shape, to encourage dense bushy growth. For low hedging species, e.g. *Ilex crenata*, the aim is to produce a hedge of a maximum height approximately 0.8m. Once new sections of hedge have reached the desired dimensions, they shall be managed according to the longer-term management prescriptions as set out below.
- Hedge plants to be treated with an annual application of an approved slow-release fertiliser used as a top dressing at the manufacturer's recommended rates in April of Years 1 and 3.
- Plants which have become loosened, lifted up or out of the ground to be set upright and re-firmed by treading.
- The need for weed control will be minimised through the use of mulch in planting areas. The mulch is to be regularly topped up to 75mm, ensuring that the lower branches and foliage of plants are not smothered. Mulch to be kept clear of adjacent grass, paved areas etc. This will generally suppress weeds but there may

be some localised ingress of weeds. Any additional weed control required to keep the hedge trench free of grass and weed growth must be by hand.

- Plants to be kept free of pests and diseases, regular monitoring to be undertaken.
- General pruning to be carried out to trim laterals, remove straggling stems, over-vigorous shoots, suckers and dead, misshapen, broken or otherwise unhealthy branches. Leading shoots to be left untrimmed during the Establishment Period.
- Planting areas to be kept free of litter.
- All arisings to be removed from site and the site to be left clean and tidy at all times.

4.4.2 An inspection to be made in August each year. Any losses of hedge plants, whether by natural means or vandalism and any other plants that have failed to thrive, to be replaced in the planting season following the loss. Replacement plants to be of the same specification and size as the original plants.

4.4.3 It may be necessary to reinforce the integrity of the new formal hedges by installing a framework of posts and wire, to be kept intact and in good repair during the Establishment Period.

#### **Longer term Management of New Formal Hedges**

4.4.4 Regular maintenance visits should be made at a minimum of monthly intervals between April and September with two visits during the dormant season each year. It will be necessary to undertake general 'tidying' e.g. removal of litter, as described above for the Establishment Period. All arisings to be removed from site.

4.4.5 Formal hedges will need cutting to prevent the vegetation becoming 'leggy' and to encourage growth. Cutting on a three-year cycle (one side, top, other side) will allow time for flowering and fruiting shrubs to develop throughout the length of the hedge and is the most beneficial for wildlife.

4.4.6 Formal hedges in front gardens are to receive formative pruning to remove straggling stems, over-vigorous shoots, suckers and dead, misshapen, discoloured, thin, weak, over-crowded, old or broken branches from shrubs by pruning back with a clean cut to the main stem, or to a sound and healthy outward growing lateral. The aim is to

produce a dense hedge of maximum height of 1.2m with a width of 0.8m by cutting back annual growth once each year during the winter months (November – March). Low hedging species, e.g. *Ilex crenata*, are to reach approximately 0.8m total height. Laterals should be trimmed back annually to rectangular shape, to encourage dense bushy growth and create a symmetrical hedge.

- 4.4.7 Planting and cutting will be carried out between November and March where possible to ensure that birds are not nesting and ideally in January and February to ensure that the fruiting berries are not lost. If a hedge must be trimmed during the fruiting season it is essential to only cut one side so that plenty of food remains. A healthy hedge can normally recover well from severe cutting, but repeated cutting at the same height can gradually cause whole hedges to die off.
- 4.4.8 Gaps shall be planted with new plants. Any new planting will need to be protected from stock, rabbits and deer for approximately 3-4 years. Initially the surrounding hedge may need cutting back to ensure the new plants receive sufficient light. Regular trimming in the early years of a hedge's life will help make it dense.
- 4.4.9 An inspection to be made in August each year. Any losses of planted plants, whether by natural means, wear and tear or vandalism and any other plants that have failed to thrive, will be replaced in the planting season following the loss. This to include any plants that are relatively short lived, and which will require routine replacement during the period of the Management Plan. Replacement plants to be of the same specification and size as the original plants.
- 4.4.10 Following completion of the Establishment Period, the need for both watering and weed control is likely to be reduced.
- 4.4.11 Recommended cutting machinery for hedging operations will be by use of a handheld mechanical hedge trimmer. All cut faces should be left neat and clean with no jagged ends or tears.
- 4.4.12 Regular monitoring for pests and diseases will be undertaken on an ongoing basis and any necessary control measures will be undertaken as soon as possible.

## 4.5

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### Operation 5: Ornamental Shrubs and Herbaceous Planting

#### 4.5.1

**Objective:** to create a high-quality ornamental planting scheme to complement the development and its setting. Longer-term management will aim to perpetuate the original design aims and sustain shrubs, and herbaceous planting in a healthy, vigorous condition and to maximise the visual amenity of the planting.

#### Establishment Maintenance of Ornamental Shrubs and Herbaceous Planting

#### 4.5.2

Establishment maintenance of new planting will be required for the first three years after planting to ensure rapid early growth. Visits shall be undertaken at least monthly between April and September in the first year, with two visits during the dormant season. In the second and third years the frequency of visits can be reduced to bi-monthly. Maintenance visits are required to ensure that the following maintenance requirements are satisfactorily undertaken:

- Watering as required to ensure healthy growth, particularly in Years 1 and 2. All planting areas to be visited as often as required to ensure that plants are kept healthy to eliminate drought related stress. In periods of dry weather, a more frequent watering schedule will be required.
- All shrubs to be treated with an annual application of an approved slow-release fertiliser used as a top dressing at the manufacturer's recommended rates in April of Years 1 and 3.
- Plants that have become loosened, lifted up or out of the ground to be set upright and re-firmed by treading.
- The need for weed control will be minimised through the use of mulch in planting areas. The mulch is to be regularly topped up to a depth of 75mm, ensuring that the lower branches and foliage of plants are not smothered. Mulch to be kept cleared off adjacent grass, paved areas etc. This will generally suppress weeds but there may be some localised ingress of weeds. Any additional weed control required must be by hand in Year 1, with chemical control, in line with current regulations, permitted only in Years 2 and 3 in those areas without herbaceous plants. Where herbaceous species are present hand weeding will be required.

- Plants to be kept free of pests and diseases, regular monitoring to be undertaken.
- General pruning to be carried out to remove straggling stems, over-vigorous shoots, suckers and dead, misshapen, broken or otherwise unhealthy branches.
- Planting areas to be kept free of litter and leaf fall.
- General autumn tidy.
- All arisings to be removed from site and the site to be left clean and tidy at all times.

4.5.3 An inspection to be made in August each year. Any losses of shrubs or herbaceous plants, whether by natural means or vandalism and any other plants that have failed to thrive, to be noted and replaced in the planting season following the loss. Replacement plants to be of the same specification and size as the original plants.

#### **Longer Term Management of Ornamental Shrubs and Herbaceous Planting**

4.5.4 Regular maintenance visits should be made at monthly intervals between April and September with at least two visits during the dormant season each year. It will be necessary to undertake general 'tidying' e.g. removal and replacement of dead plants, litter and leaf fall clearance, topping up, raking and sweeping of mulch to provide a tidy appearance etc., as described above for the Establishment Maintenance. All arisings to be removed from site and the site to be left clean and tidy at all times.

4.5.5 Following completion of the Establishment Maintenance, the need for both watering and weed control is likely to be reduced but topping up of mulch must still be undertaken as necessary to maintain the beds in a weed free condition. At this stage it may be possible, in those areas without herbaceous planting, to use a residual soil acting herbicide to minimise the need for physical removal of weeds. Planting beds to be maintained in a weed free state and mulch material to be kept topped up to a depth of 75mm, as appropriate. In dry summers some ornamental beds may require watering to ensure healthy growth.

- 4.5.6 Regular monitoring for pests and diseases will also be needed on an ongoing basis and any necessary control measures undertaken as soon as possible.
- 4.5.7 General and formative pruning to shrubs to remove straggling stems, over-vigorous shoots, suckers and dead, misshapen, discoloured, thin, weak, over-crowded, old or broken branches from shrubs by pruning back with a clean cut to the main stem, or to a sound and healthy outward growing lateral. Ground cover plants to be trimmed to shape and to prevent encroachment onto adjoining hard surfaces, shrub species or grass edges in April to June each year.
- 4.5.8 Vigorous species to be pruned as necessary to restrict lateral and top growth, to prevent infringement on adjoining plants, paths, grass, edges etc. It may be necessary in 5 + years after planting, to undertake rejuvenative pruning of these and other species, if they outgrow their location or become over-mature. In these cases, shrubs to be cut to 100mm above ground level in March. Plant re-growth is to be monitored and any shrubs which do not regenerate successfully to be removed and replaced, with plants of the same size and specification as the original plants.
- 4.5.9 Ground cover and under storey mixes to be monitored and pruned in single species groups to ensure that swamping of less vigorous species does not occur.
- 4.5.10 Herbaceous planting to be dead headed after flowering with flower stems cut to ground level, with the exception being of plants which display decorative seed heads which are to be kept tidy and seed heads removed in the following spring. The other exception is biennial species, which should be allowed to set seed in the vicinity of the parent plant, to progenerate. Seedlings to be retained and re-distributed as necessary.
- 4.5.11 Where necessary to maintain a tidy appearance and in accordance with good horticultural practice, herbaceous plants to have dead leaves cut back to ground level in the autumn. Those species, which retain attractive winter, leaves to be retained unpruned but tatty leaves to be cut out on a regular basis. Vigorous herbaceous species to be divided and splits used to extend/gap up the original planting in October, as necessary to ensure longevity and free flowering of the parent plants. Following this treatment, the areas affected should be re-mulched.

- 4.5.12 Due to the relatively short-lived nature of some shrubs, provision should be made for plant replacement after 5-10 years. Similarly, it may be necessary to replace some of the herbaceous species, which have a tendency to die out, in time. This to be undertaken in early spring, as necessary.
- 4.5.13 Ornamental grasses to be kept in a tidy condition and grass heads to be cut down after flowering. Leaves to be cut down as necessary to retain a tidy appearance.

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#### 4.6 Operation 6: Short Amenity Grass

- 4.6.1 **Objective:** Areas of short mown grass are to be maintained as a high-quality sward, for informal recreational use.

##### Establishment Maintenance of New Areas of Short Grass

- 4.6.2 Areas of newly seeded/turfed grass to be subject to establishment maintenance during the first year after seeding.
- 4.6.3 Once the grass has established sufficiently to be stable and well rooted, the first cut is to be made when the grass has reached 50mm in height and the grass shall not be cut lower than 25mm. All subsequent cutting; the frequency and number of cuts within a growing season will be undertaken as required to keep grass below 50mm. Operations to be carried out in suitable dry weather conditions. Cuttings to be removed or distributed lightly and evenly over the sward.
- 4.6.4 Mowing method is to be determined by the contractor in terms of hand mowing or ride on mowers etc. The selected method must be suitable for any gradients, undulations, access, context and required finish of the grass areas. The mowing method should not undermine soil structure or damage any surface areas.
- 4.6.5 Any failed areas of grass are to be seeded at the correct season. Any ingress of pernicious perennial weeds to be hand pulled. Any stones or litter on the surface to be removed.

##### Longer Term Short Grass Management

- 4.6.6 Areas of short grass once established for twelve months are to be cut to keep grass below 50mm. The frequency and number of cuts within the growing season, likely

between March and October to maintain the grass between 25 - 50mm. However, it will be weather permitting and should be reviewed to suit extreme weather i.e. extremely dry arid conditions it may be necessary to reduce the cut leaving the grass slightly longer. The height of grass shall not exceed 50mm before cutting, topped to a height of 25mm. Any short grass that abuts a vertical obstacle to be strimmed at the same time as each grass cut to achieve a neat edge. Swathes of arisings to be collected up and removed from site.

- 4.6.7 Mowing method is to be determined by the contractor in terms of hand mowing or ride on mowers etc. The selected method must be suitable for the gradients, undulations, access, context and required finish of the grass areas. The mowing method should not undermine soil structure or damage any surface areas.
  - 4.6.8 All grass edges against paved areas, kerbs or other hard surfaces to be edged regularly to maintain a 10-20mm clear gap between the two surfaces.
  - 4.6.9 In March and September of each year, all grass edges to be trimmed in accordance with the above paragraph, to be re-cut to a straight line or smooth curve as appropriate using a half moon edging tool or similar.
  - 4.6.10 The sward is to be treated with an approved selective herbicide, at the recommended rate of application on an annual basis in May of each year, to control broad-leaved weeds.
  - 4.6.11 Any damage to the sward caused by pests (moles, rabbits etc.) or by vehicles or general wear and tear is to be reinstated by top dressing, re-cultivation, re-seeding and watering at the correct season as necessary. Any reinstated areas to be protected and subject to establishment maintenance as itemised above. If grass growth is poor it may be necessary to apply a spring and / or autumn fertiliser to the sward, to encourage vigour. Similarly, turf aeration and scarification may also be necessary, to alleviate compaction and control the development of thatch. Fertilising and aeration maintenance tasks are not to be undertaken during the establishment period of the lawn and this would be detrimental to the health of the lawn.
  - 4.6.12 Any leaf material, broken branches, litter, stones or other debris which occur on the grass, to be removed as necessary, to maintain a clear grass surface.
-

## **4.7 Operation 7: Native Wildflower Meadows and Grassland**

- 4.7.1 Most meadow wildflower and grass species are perennial and are slow to germinate, often not flowering in the first growing season. There will likely be significant weed growth in the first growing seasons which can obscure the meadow seedlings beneath. This annual weed growth is to be controlled by topping or mowing.
- 4.7.2 Strim / mow to height of 40-60mm, once in late August, once again in mid-October and in once again in mid-March. Rake off all cut material at once, except for the August cut which shall be left for 3-5 days after cutting to allow to dry, for re-dispersal of seeds. NB. It will be necessary for the company maintaining the wildflowers to have an understanding of the principles of wildflower management, which is different from normal amenity grass management. This should ideally be demonstrated before the contract for the ground's maintenance is let. Rake off cut material to set the seed and then remove from site, to an approved composting facility or to approved site facility to be set up with residents associated.
- 4.7.3 Use of any chemical herbicides is to be minimised, and no chemicals are to be used around the balancing pond.

### **Longer Term Native Wildflower Meadows and Grassland Management**

- 4.7.4 Areas of meadow/grass mixtures to be cut back to approximately 50mm after flowering/seeding (July / August), as a 'hay cut'. 'Hay' to be left to dry and shed seed for 1-7 days and then be removed from site. Growth during later autumn/winter to be mowed to approximately 50mm once in November and once in February if required. Additional mowing in late autumn and winter to be conducted if meadow grass grows too long. Areas of meadow mixture growth may vary within balancing pond based on waterlogged conditions; maintenance should be adapted to reflect this as appropriate.
-

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5.1**Operation 8: Swales and Attenuation Basins**

## 5.1.1

**Objective:** To manage the balancing ponds (all the responsibility of the developer unless adopted) to optimise their surface water balancing and filtration function to comply with EA (Environment Agency) flood requirements, whilst also perpetuating their value as habitat, to provide safe, well balanced areas of open water and diverse marginal fringes of vegetation / marshy habitat, suited to amphibians and other aquatic fauna.

- The balancing pond is designed to take all runoff from the site and swales via culvert. A petrol interceptor is installed within development before the balancing pond outfall. The developer is responsible for the issue of certification to confirm that the petrol interceptor is fully functional. For further information on site wide SUDs and drainage scheme refer to consultant engineers information.
- Public access is not encouraged however the swales and balancing pond feature compliant slopes should anyone have to enter for whatever reason, other than maintenance. The balancing ponds have an implied boundary of a post and rail fence, this should be inspected to ensure it is complete and fit for purpose with any breaks reported to the Management Company if they occur outside of annual inspection time. The purpose of the post and rail fence is to prevent toddlers and children running straight into the pond but providing suitable surveillance and access should it be seen that someone is encountering difficulties if they do enter the water.

## 5.1.2

**Specification:** the balancing pond should be subject to an initial restorative regime of de-silting after the first full year of use as part of its annual inspection. This is to include removal of common reed and great willow herb and other marginal vegetation at the headwall between the swale and the basin and also at the outfall. The inspection is to be carried out by a civil engineer to access the bank structure and headfall/out flow provision.

5.1.3 Thereafter, the need for major pond maintenance e.g. de-silting / dredging, removal of large amounts of vegetation is likely to become necessary after a further 5-10 years although still subject to annual inspection.

5.1.4 The works are to be undertaken under the supervision / watching brief of an appropriately licensed ecologist and are to be undertaken only when reptiles and amphibians are likely to be hibernating and out of the pond (e.g. January). In the unlikely event that any newts are discovered within the pond a European Protected Species (EPS) license is to be obtained from Natural England prior to undertaking the works.

- There must be absolutely no works affecting the balancing pond or swale during the March to June (inclusive) period when newts are likely to be concentrated in the pond and all works should be restricted to the November to February period, during suitably cold weather.
- To prevent impacts on breeding birds, vegetation removal / weed control, in reeds, other aquatic vegetation, scrub and other woody vegetation associated with the wetland habitat, shall be undertaken outside the bird breeding season. This is generally March to July (inclusive) but may extend beyond this period if seasonal conditions vary from the norm.
- If for any reason emergency works are required that could potentially affect breeding birds and/or great crested newts, an appropriately licensed ecologist shall be consulted prior to works and if considered necessary, Natural England to be contacted.
- Regular visual site inspections of the balancing ponds and swale and surrounding area should be undertaken in April, July, September and December as part of routine maintenance schedule to check the following:
- Water level, colour and general quality of the water if present. Any indication of aquatic pollution impeded or excessive drainage, or other malfunction of the petrol interceptor, balancing pond and associated swale, to be reported immediately to the developer/ those responsible for maintenance.

- The raised retaining embankment should be inspected for any signs of erosion, wear and tear or other degradation on a yearly basis and any disrepair to be made good, as part of the maintenance regime, to ensure that it is fit for purpose.
- It is also necessary to monitor and inspect the petrol interceptor / outfall for any signs of impediment or blockage. Specialist servicing of the petrol interceptor will also be required, in accordance with manufacturer's instructions. This work to be undertaken by developer or their agents at least twice per year and a certificate of compliance to be issued by a competent organisation within 14 days of such inspection.
- Routine monitoring of the balancing pond to include inspection for signs of excessive silting or vegetation growth, indications of inappropriate recreational pressure / misuse of the pond and its environs and any litter or other debris to be noted and appropriate action undertaken.
- The results of the site inspection shall be passed on to the Management Company and any recommendations made relating to significant, developing, or repeating management issues undertaken.
- Any colonisation of the ponds by algal blooms may need to be addressed. This is likely to be a result of nutrient enrichment and should, where possible be addressed at source or an approved proprietary product e.g. Viresco. The use of barley bales or mats may help reduce any problem in this respect. Monitor the ponds for any sign of pollutants or other contamination, debris, unexpectedly high or low levels of water or other abnormalities and report any such concerns to the ER. A scheme of remedial works to be agreed and implemented. This situation where water is standing for prolonged periods should be questioned/investigated and monitored as required.

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## 5.2 **Operation 9: Wetland Meadow – to swales and attenuation basins**

5.2.1 Objective: To enhance the naturalisation to the periphery of the drain pond.

### **Establishment Maintenance of Wetland Seeded Areas**

5.2.2 Care to be taken when working on sloped ground and near water. Using appropriate machinery or handheld methods as recommended in the contractor risk assessment.

5.2.3 Areas for seeding must be cleared of debris and existing vegetation before seeding. Prepare the seed bed using repeated cultivation or herbicide. Add nothing that will improve fertility of the soil or promote weed growth. Uncontaminated site sourced, low fertility soil may be used as the topsoil. A fine even seed bed to be prepared and seed sown and rolled afterwards.

5.2.4 When seed is sown the ground conditions should be suitable (not waterlogged or in drought). Plants growth will need to establish before there are chances of flooding. Water in seed if weather is dry.

5.2.5 Surface sow seed by machine or hand. Sow the area twice in opposing directions to ensure cover at a rate proposed by the manufacturer and firm by rolling. Areas of newly seeded grass to be subject to establishment maintenance during the first year after seeding to control rogue and dominant species.

5.2.6 To control annual weeds and promote balance between fast growing grasses and slower growing flowers mow newly sown meadows regularly throughout the first year. Cut to a height of 40 – 60 mm, removing dense cuttings. Avoid cutting between spring and summer so flowering is achieved. Cutting from late august may remain to encourage re-dispersal of seeds.

5.2.7 Strimming by hand may be required in more difficult to reach areas within attenuation basins and swales. In this instance, maintenance is to be conducted using the same techniques detailed above. Use of a strimmer will be beneficial and arisings will need to be raked up by hand.

- 5.2.8 Spot treat any perennial weeds regularly.

#### **Long Term Maintenance of Meadow Grass wetland**

- 5.2.9 Inspection of the drainage pond should be conducted regularly for erosion, bare ground, silt deposits, litter, excessive waterlogging and poor growth. Conditions are likely to vary between highs and lows in ridge and furrow grassland. Localised differences may require a specific approach, e.g. boggy areas which remain waterlogged for a significant portion of the year may need the addition of a revised plant or seed selection accommodate natural changes and conditions.
- 5.2.10 In the second and subsequent years, sowings are from mid-summer (July) to autumn (end of august) and in spring to maintain balance of grass to flowers. Cut to 100 – 150mm. Cutting from late august may remain to encourage re-dispersal of seeds.
- 5.2.11 Continue to spot treat perennial weeds.

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### **5.3 Operation 10: Site Housekeeping, Hard Landscape, Play and Open Spaces**

**Objective:** Ensure that the site is respected and that the hard and soft landscape elements including high quality fixtures are maintained in good condition, without the risk of degradation through natural processes or abuse.

#### **Routine Site Monitoring**

- 5.3.1 All furniture including benches, bins, signage, railings, fencing and light fittings etc are to be regularly checked and cleaned and if necessary repaired. Timber treated with an appropriate preservative or replaced as appropriate, and in accordance with manufacturer's instructions. Dangerous items may need to be removed from site and area made good.
- 5.3.2 Regular checks of the site will be required and any litter, other debris and / or fly tipping to be removed on a one/two weekly basis. Any litter bins to be regularly inspected and emptied, as necessary to avoid over-filling. Vigorous attention will be required with respect to control of dog fouling.
- 5.3.3 All areas of paving, flush and raised edging to paths and planting areas, kerbs, macadam and other hard surface areas throughout the management areas of the

site, to be kept free of leaves and silt deposits, swept or alternative method of debris removed e.g. suction or blowing, on a monthly basis. Method to be suitable for each specific material. All to be maintained free of grass, weed, moss or algal growth, using appropriate translocated herbicides and moss-killers. Particular attention is required to areas that may be prone to slipperiness. It may be necessary to use a pressure washer on occasion to remove any silt or algal build up. Areas of permeable block paving is to be maintained to the manufacturer's specification to ensure required permeability is retained. Due to the nature of the paving it may require more frequent weed control. No suction methods should be used. Any granular fill displaced by cleaning should be replaced.

- 5.3.4 Any walls or structures such as bins or cycle storage should be regularly checked to ensure safety, function and aesthetics. This may include the removal of graffiti.
- 5.3.5 Longer term management of paths, steps, roads and other hard surfaces etc. will include twice annual monitoring in April and September of each year and repair/replacement to be undertaken as necessary, to prevent further deterioration.
- 5.3.6 Site drainage issues also to be addressed on a routine basis to ensure that there are no problems relating to blockages or disrepair of main drains or laterals, dispersal of surface water etc. This will include regular checking and clearance of any drainage gulleys and grated drainage channels and rodding of underground drainage pipes as necessary.
- 5.3.7 Gritting and snow clearance to be undertaken on an 'as required' basis to all paths and other hard surfaced areas.
- 5.3.8 Any unauthorised use of the areas or vandalism/graffiti/loitering/dens or other abuse or anti-social behaviour, to be reported immediately to the Local Authority/Police (as appropriate) for further action and/or removed as soon as possible. Similarly, any inappropriate use of the open space by residents e.g. installation of personal possessions/ children's play equipment etc, into the communal areas, dumping of shopping trolleys, storage of bikes etc, to be similarly reported and appropriate action/warnings issued.

# BURLOES, ROYSTON

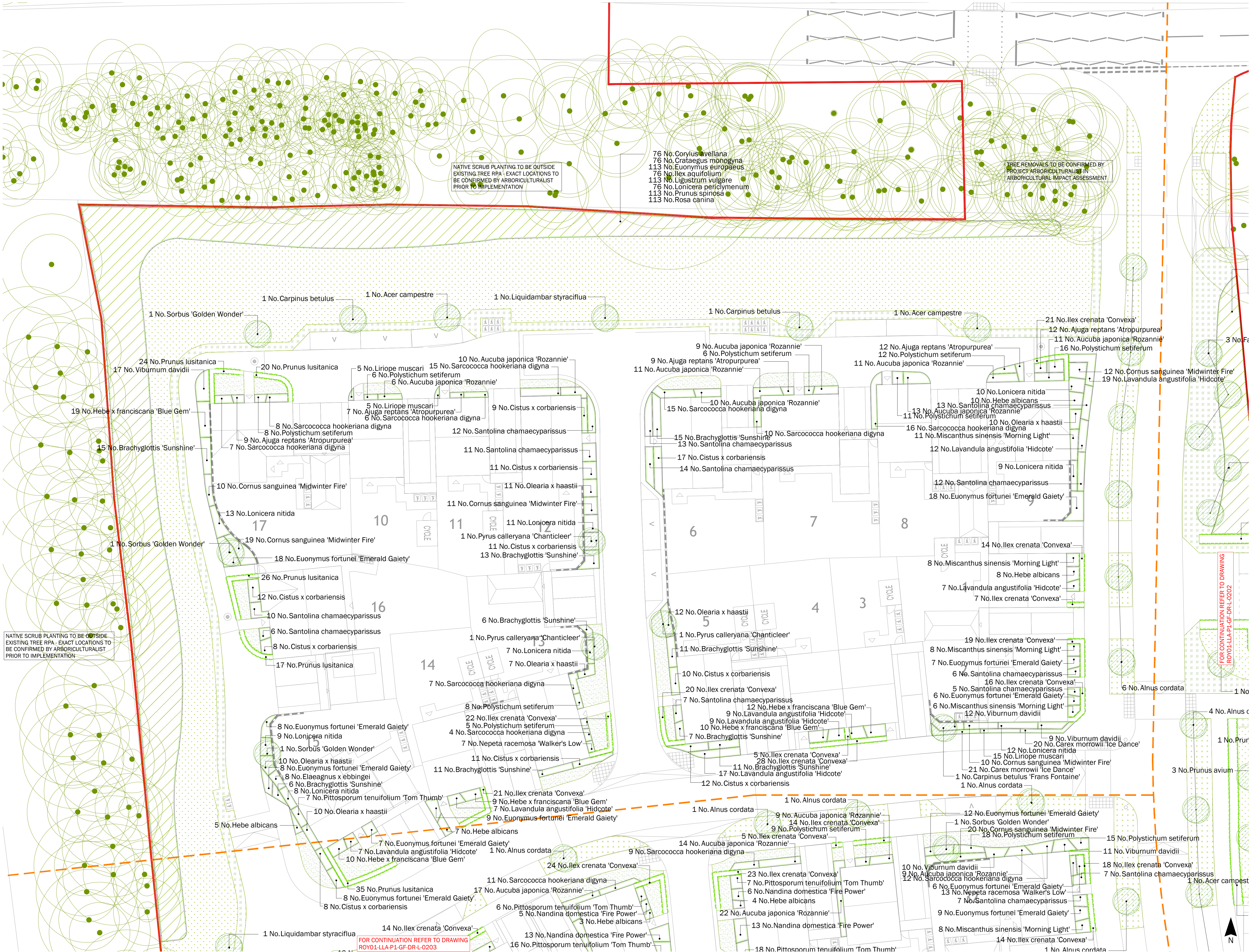
## LANDSCAPE MANAGEMENT PLAN

### DRAWINGS

July 2025

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| APPENDIX A DRAWINGS       |                                      |
|---------------------------|--------------------------------------|
| DRAWING NUMBER            | DRAWING TITLE                        |
| ROY01-LLA-P1-GF-DR-L-0201 | Detailed Planting Proposals – 1 of 6 |
| ROY01-LLA-P1-GF-DR-L-0202 | Detailed Planting Proposals – 2 of 6 |
| ROY01-LLA-P1-GF-DR-L-0203 | Detailed Planting Proposals – 3 of 6 |
| ROY01-LLA-P1-GF-DR-L-0204 | Detailed Planting Proposals – 4 of 6 |
| ROY01-LLA-P1-GF-DR-L-0205 | Detailed Planting Proposals – 5 of 6 |
| ROY01-LLA-P1-GF-DR-L-0206 | Detailed Planting Proposals – 6 of 6 |
| ROY01-LLA-P1-GF-DR-L-0301 | Landscape Specification and Details  |



- LEGEND
- Phase 1 application boundary
  - Existing trees & vegetation; refer to arboricultural report
  - Proposed tree
  - Proposed hedge
  - Proposed native scrub planting
  - Proposed planting
  - Proposed grass
  - Proposed EL1 Flowering Lawn Mixture by Emorsgate
  - Proposed EM6 Meadow Mixture for Chalk and Limestone Soils by Emorsgate
  - Proposed EM8 Meadow Mixture for Wetlands by Emorsgate
  - Proposed EH1 Hedgerow Mixture by Emorsgate
  - Proposed bulb planting

Drawing for planning purposes only, do not construct from this drawing

This drawing is to be used for planting information only

Any species substitution must be verified with the project Landscape Architect

This layout must be checked in accordance with NHBC Standards 2023 (Chapter 4.2 - Building Near Trees, and Chapter 10.2 - Drives, Paths and Landscaping) by the project engineer prior to implementation

Excavations: Contractors must ensure they have full information relating to service and drainage positions before undertaking any excavations

Root barriers to be used in association with tree planting adjacent to kerbs, services, highways etc.

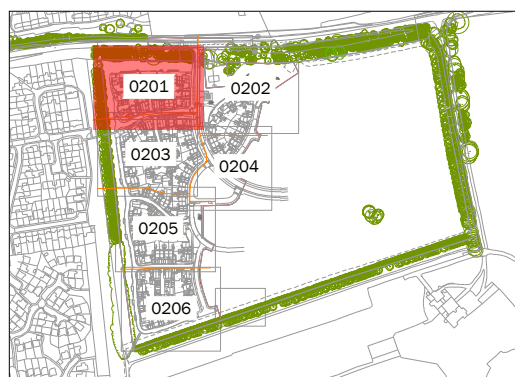
FOR OTHER LANDSCAPE DRAWINGS REFER TO THE FOLLOWING:

Planting Schedule:  
ROY01-LLA-P1-GF-DR-L-0204

Detailed Hard Landscape Proposals:  
ROY01-LLA-P1-GF-DR-L-0201 to 0206

Landscape Specification and Details:  
ROY01-LLA-P1-GF-DR-L-0301

Landscape Management Plan:  
ROY01-LLA-P1-XX-RP-L-0601



Location Plan - Not to Scale

0 1 2 5 10m

Scale in metres

FOR CONTINUATION REFER TO DRAWING  
ROY01-LLA-P1-GF-DR-L-0202

|     |          |                           |    |     |
|-----|----------|---------------------------|----|-----|
| P04 | 23.06.26 | Updated to revised layout | JB | ML  |
| P03 | 02.10.25 | Updated to revised layout | JL | ML  |
| P02 | 18.07.25 | Updated to revised layout | CT | ML  |
| P01 | 15.03.24 | First issue               | ML | AF  |
| Rev | Date     | Description               | Dm | Chk |

Title: Detailed Planting Proposals  
Sheet: 1 of 6

Project: Burtons, Royston - Phase 1  
Client: Vistry Partnerships Ltd.

Date: March 2024  
Scale: 1:200 @ A1

Drawing No: ROY01-LLA-P1-GF-DR-L-0201  
Revision: P04  
Suitability: For Planning

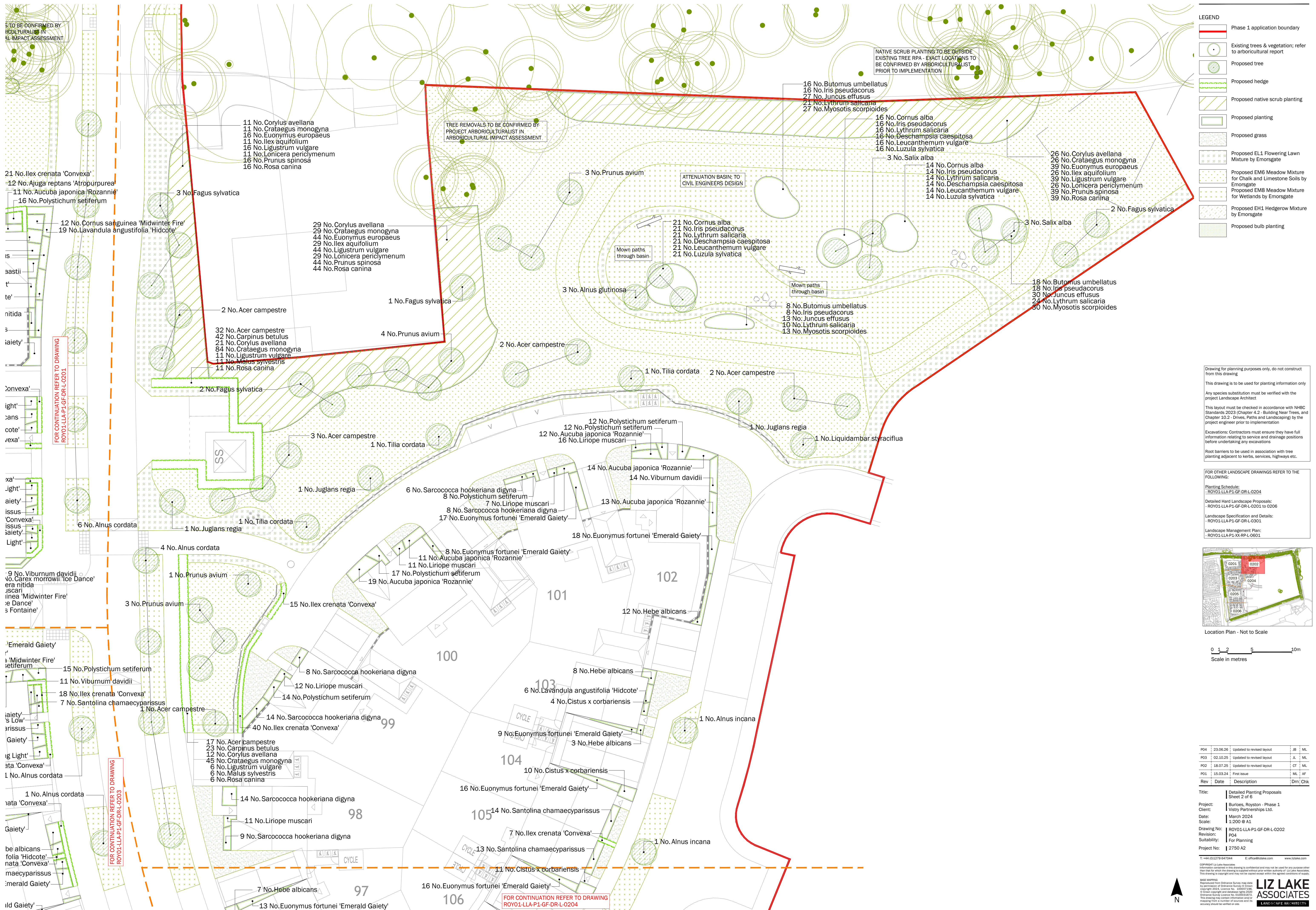
Project No: 12750 A2

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**LIZ LAKE ASSOCIATES**  
LANDSCAPE ARCHITECTS



| LEGEND                                                                              |                                                                        |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------|
|  | Phase 1 application boundary                                           |
|  | Existing trees & vegetation; refer to arboricultural report            |
|  | Proposed tree                                                          |
|  | Proposed hedge                                                         |
|  | Proposed native scrub planting                                         |
|  | Proposed planting                                                      |
|  | Proposed grass                                                         |
|  | Proposed EL1 Flowering Lawn Mixture by Emorsgate                       |
|  | Proposed EM6 Meadow Mixture for Chalk and Limestone Soils by Emorsgate |
|  | Proposed EM8 Meadow Mixture for Wetlands by Emorsgate                  |
|  | Proposed EH1 Hedgerow Mixture by Emorsgate                             |
|  | Proposed bulb planting                                                 |

Drawing for planning purposes only, do not construct from this drawing

This drawing is to be used for planning information only

Any species substitution must be verified with the project Landscape Architect

This layout must be checked in accordance with NHBC Standards 2023 (Chapter 4.2 - Building Near Trees, and Chapter 10.2 - Drives, Paths and Landscaping) by the project engineer prior to implementation

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Root barriers to be used in association with tree planting adjacent to kerbs, services, highways etc.

FOR OTHER LANDSCAPE DRAWINGS REFER TO THE FOLLOWING:

Planting Schedule:  
- ROY01-LLA-P1-GF-DR-L-0204

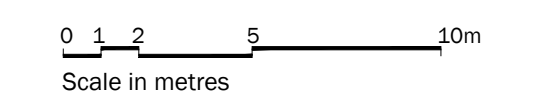
Detailed Hard Landscape Proposals:  
- ROY01-LLA-P1-GF-DR-L-0201 to 0206

Landscape Specification and Details:  
- ROY01-LLA-P1-GF-DR-L-0301

Landscape Management Plan:  
- ROY01-LLA-P1-XX-RP-L-0601



Location Plan - Not to Scale



|     |          |                           |     |     |
|-----|----------|---------------------------|-----|-----|
| P04 | 23.06.26 | Updated to revised layout | JB  | ML  |
| P03 | 02.10.25 | Updated to revised layout | JL  | ML  |
| P02 | 18.07.25 | Updated to revised layout | CT  | ML  |
| P01 | 15.03.24 | First issue               | ML  | AF  |
| Rev | Date     | Description               | Drn | Chk |

|                                          |                                                        |
|------------------------------------------|--------------------------------------------------------|
| Title:                                   | Detailed Planting Proposals<br>Sheet 2 of 6            |
| Project:<br>Client:                      | Burloes, Royston - Phase 1<br>Vistry Partnerships Ltd. |
| Date:<br>Scale:                          | March 2024<br>1:200 @ A1                               |
| Drawing No:<br>Revision:<br>Suitability: | RY0Y1-LLA-P1-GF-DR-L-0202<br>P04<br>For Planning       |
| Project No:                              | 2750 A2                                                |

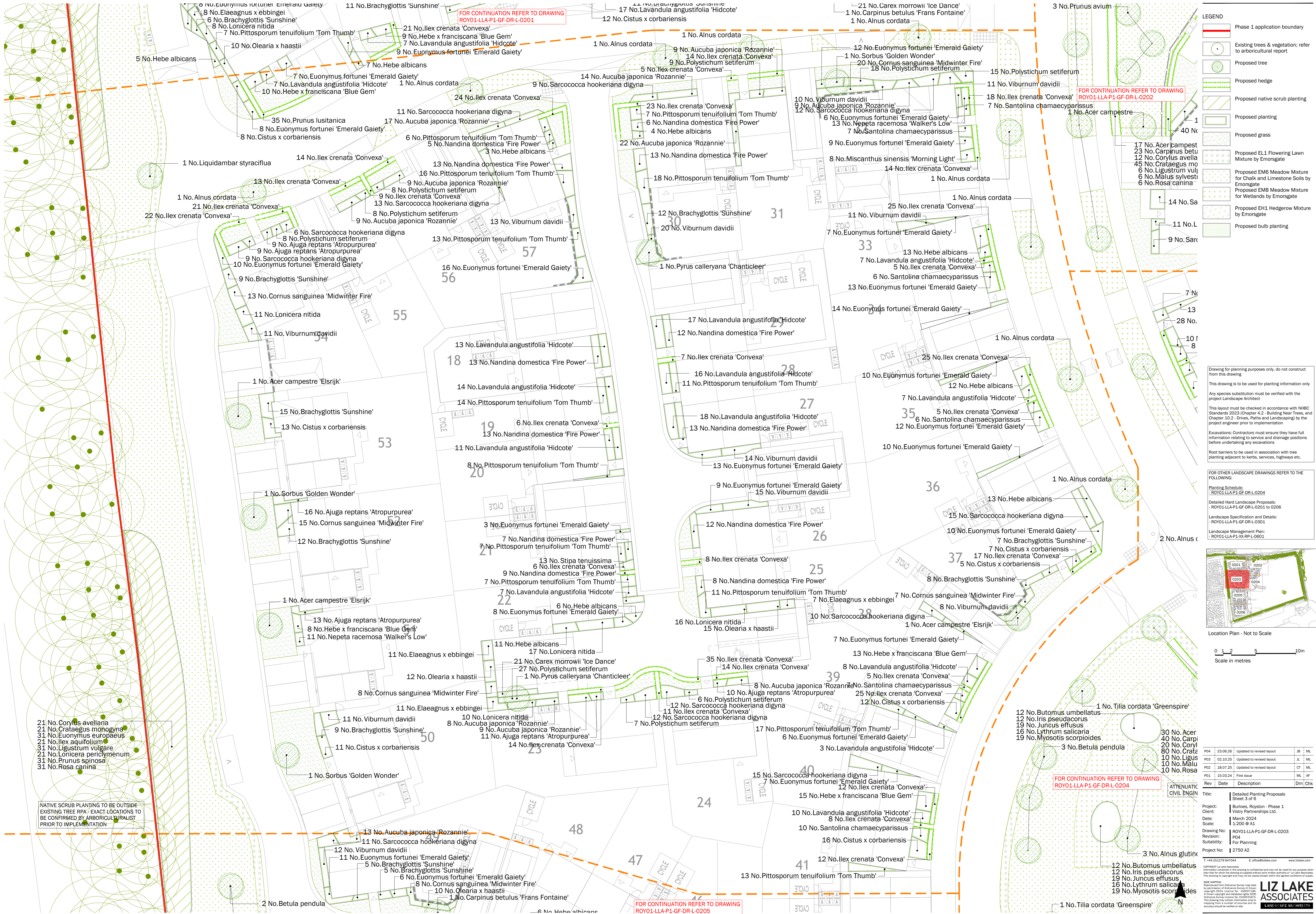
T: +44 (0)1279 647044      E: office@lzlake.com      www.lzlake.com

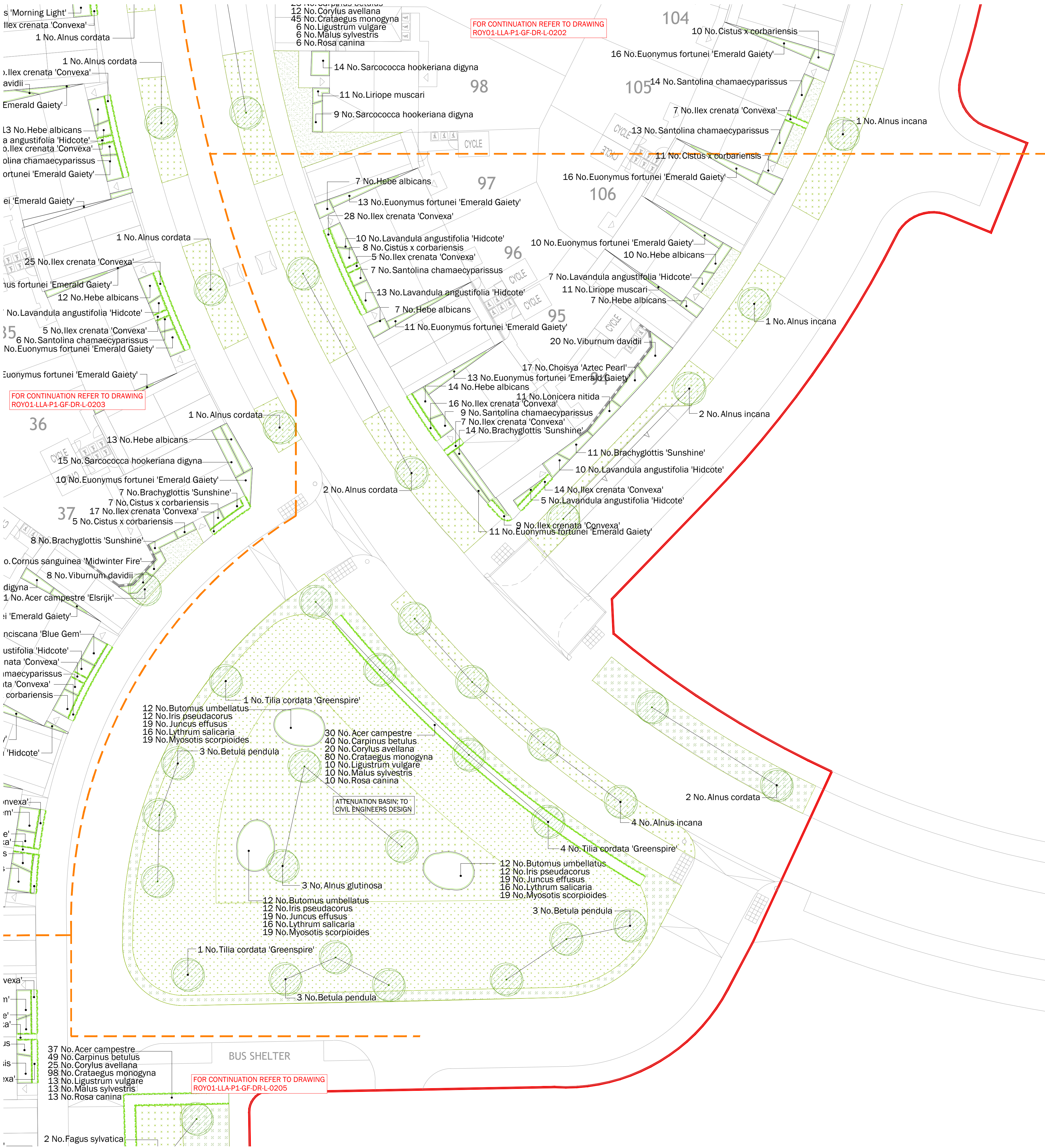
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**LIZ LAKE ASSOCIATES**  
**LANDSCAPE ARCHITECTS**

**LIZ LAKE**  
ASSOCIATES  
LANDSCAPE ARCHITECTS





| TREES  |                                   |           |           |         |                                                        |  |
|--------|-----------------------------------|-----------|-----------|---------|--------------------------------------------------------|--|
| Number | Plant Name                        | Height    | Container | Girth   | Specification                                          |  |
| 16 -   | Acer campestre                    | 400-450cm | 45-85L    | 14-16cm | Extra Heavy Standard: 5 brks: C: Clear Stem min. 200cm |  |
| 11 -   | Acer campestre 'Elsrijk'          | 400-450cm | 45-85L    | 16-18cm | Extra Heavy Standard: C: Clear Stem min. 200cm         |  |
| 26 -   | Alnus cordata                     | 450-625cm | 45-85L    | 16-18cm | Extra Heavy Standard: C: Clear Stem min. 200cm         |  |
| 6 -    | Alnus glutinosa                   | 425-600cm | 45-85L    | 16-18cm | Extra Heavy Standard: C: Clear Stem min. 200cm         |  |
| 9 -    | Alnus incana                      | 400-450cm | 45-85L    | 16-18cm | Extra Heavy Standard: C: Clear Stem min. 200cm         |  |
| 14 -   | Betula pendula                    | 400-450cm |           |         | Multi-Stemmed: Bushy: 3 Stems min.: 4x: RB             |  |
| 7 -    | Carpinus betulus                  | 450-500cm | 100-200L  | 18-20cm | Extra Heavy Standard: C: Clear Stem min. 200cm         |  |
| 4 -    | Carpinus betulus 'Frans Fontaine' | 400-450cm | 80-100L   | 16-18cm | Extra Heavy Standard: C: Clear Stem min. 200cm         |  |
| 10 -   | Fagus sylvatica                   | 400-450cm | 45-85L    | 14-16cm | Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm  |  |
| 3 -    | Juglans regia                     | 400-450cm | 45-85L    | 16-18cm | Extra Heavy Standard: C: Clear Stem min. 200cm         |  |
| 8 -    | Liquidambar styraciflua           | 450-500cm | 100-200L  | 18-20cm | Extra Heavy Standard: C: Clear Stem min. 200cm         |  |
| 14 -   | Prunus avium                      | 400-450cm | 45-85L    | 14-16cm | Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm  |  |
| 8 -    | Pyrus calleryana 'Chanticleer'    | 400-450cm | 80-100L   | 16-18cm | Extra Heavy Standard: C: Clear Stem min. 200cm         |  |
| 6 -    | Salix alba                        | 350-425cm | 45-85L    | 12-14cm | Heavy Standard: 5 brks: C: Clear Stem 175-200cm        |  |
| 13 -   | Sortus 'Golden Wonder'            | 400-450cm | 75-100L   | 16-18cm | Extra Heavy Standard: C: Clear Stem min. 200cm         |  |
| 3 -    | Tilia cordata                     | 400-450cm | 45-85L    | 14-16cm | Extra Heavy Standard: 5 brks: C: Clear Stem 175-200cm  |  |
| 6 -    | Tilia cordata 'Greenspire'        | 400-450cm | 45-85L    | 16-18cm | Extra Heavy Standard: C: Clear Stem min. 200cm         |  |

| HEDGING       |                        |         |           |                  |         |
|---------------|------------------------|---------|-----------|------------------|---------|
| Number        | Plant Name             | Height  | Container | Specification    | Density |
| 916 -         | Ilex crenata 'Convexa' | 30-40cm | 5L        | Bushy: 7 brks: C | 3/m     |
| 132 -         | Prunus lusitana        | 40-60cm | 5L        | Bushy: 5 brks: C | 3/m     |
| Total :1048 - |                        |         |           |                  |         |

| SHRUBS        |                                     |         |          |           |                       |         |
|---------------|-------------------------------------|---------|----------|-----------|-----------------------|---------|
| Number        | Plant Name                          | Height  | Diameter | Container | Specification         | Density |
| 393 -         | Aucuba japonica 'Rozannie'          | 30-40cm |          | 5L        | Bushy: 4 brks: C      | 3/m²    |
| 272 -         | Brachyglottis 'Sunshine'            | 40-60cm |          | 5-7.5L    | Branched: 6 brks: C   | 3/m²    |
| 171 -         | Choisya 'Aztec Pearl'               | 30-40cm |          | 5L        | Bushy: 6 brks: C      | 3/m²    |
| 361 -         | Cistus x corbariensis               | 40-60cm |          | 5-7.5L    | Bushy: 6 brks: C      | 3/m²    |
| 51 -          | Cornus alba                         | 60-80cm |          | 2L        | Branched: 3 breaks: C | 3/m²    |
| 215 -         | Cornus sanguinea 'Midwinter Fire'   | 60-80cm |          | 5L        | Branched: 4 brks: C   | 3/m²    |
| 60 -          | Elaeagnus x ebbingei                | 60-80cm |          | 5-7.5L    | Branched: 4 brks: C   | 3/m²    |
| 713 -         | Euonymus fortunei 'Emerald Gaiety'  | 25-30cm | 30-40cm  | 5-7.5L    | Bushy: 9 brks: C      | 3/m²    |
| 366 -         | Hebe albicans                       |         | 30-40cm  | 5-7.5L    | Bushy: 7 brks: C      | 3/m²    |
| 222 -         | Hebe x franciscana 'Blue Gem'       | 30-40cm |          | 5-7.5L    | Bushy: 7 brks: C      | 3/m²    |
| 491 -         | Lavandula angustifolia 'Hidcote'    | 20-30cm |          | 5L        | Bushy: 7 brks: C      | 3/m²    |
| 163 -         | Lonicera nitida                     | 40-60cm |          | 5-7.5L    | Bushy: 5 brks: C      | 3/m²    |
| 154 -         | Nandina domestica 'Fire Power'      |         | 30-40cm  | 5L        | Bushy: 6 brks: C      | 3/m²    |
| 157 -         | Olearia x haastii                   | 40-60cm |          | 5-7.5L    | Bushy: 5 brks: C      | 3/m²    |
| 207 -         | Pittosporum tenuifolium 'Tom Thumb' | 20-30cm |          | 5L        | Bushy: 5 brks: C      | 3/m²    |
| 246 -         | Santolina chamaecyparissus          | 30-40cm |          | 5L        | Bushy: 8 brks: C      | 3/m²    |
| 446 -         | Sarcococca hookeriana digna         | 30-40cm |          | 5L        | Bushy: 6 brks: C      | 3/m²    |
| 356 -         | Viburnum davidii                    | 30-40cm |          | 5-7.5L    | Bushy: 4 brks: C      | 3/m²    |
| Total :5044 - |                                     |         |          |           |                       |         |

| HERBACEOUS   |                                |           |               |         |
|--------------|--------------------------------|-----------|---------------|---------|
| Number       | Plant Name                     | Container | Specification | Density |
| 117 -        | Ajuga reptans 'Atropurpurea'   | 2L        | Full Pot: C   | 6/m²    |
| 31 -         | Nepeta racemosa 'Walker's Low' | 2L        | Full Pot: C   | 6/m²    |
| Total :148 - |                                |           |               |         |

| WILDFLOWERS |                      |        |           |               |         |
|-------------|----------------------|--------|-----------|---------------|---------|
| Number      | Plant Name           | Height | Container | Specification | Density |
| 51 -        | Leucanthemum vulgare |        | 2L        | Full pot      | 5/m²    |
| Total :51 - |                      |        |           |               |         |

| FERNS        |                       |           |               |         |
|--------------|-----------------------|-----------|---------------|---------|
| Number       | Plant Name            | Container | Specification | Density |
| 405 -        | Polystichum setiferum | 1.5-2L    | Full Pot: C   | 5/m²    |
| Total :405 - |                       |           |               |         |

| MARGINALS / AQUATICS |                      |           |                                                                                          |         |
|----------------------|----------------------|-----------|------------------------------------------------------------------------------------------|---------|
| Number               | Plant Name           | Container | Specification                                                                            | Density |
| 78 -                 | Butomus umbellatus   | 0.3L      | Full Pot: June to Sept planting: British Native-origin: C                                | 5/m²    |
| 129 -                | Iris pseudacorus     | 2L        | Full pot                                                                                 | 5/m²    |
| 127 -                | Juncus effusus       | 50cc min. | Plug: Established Root min. 2-3 Months: Sept to April planting: British Native-origin: C | 5/m²    |
| 154 -                | Lythrum salicaria    | 2L        | Full pot                                                                                 | 5/m²    |
| 127 -                | Myosotis scorpioides | 50cc min. | Plug: Established Root min. 2-3 Months: Sept to April planting: British Native-origin: C | 5/m²    |
| Total :615 -         |                      |           |                                                                                          |         |

| GRASSES      |                                     |           |               |         |
|--------------|-------------------------------------|-----------|---------------|---------|
| Number       | Plant Name                          | Container | Specification | Density |
| 311 -        | Carex morrowii 'Ice Dance'          | 2L        | Full Pot: C   | 6/m²    |
| 51 -         | Deschampsia caespitosa              | 2L        | Full pot      | 5/m²    |
| 225 -        | Liriope muscari                     | 2L        | Full Pot: C   | 6/m²    |
| 51 -         | Luzula sylvatica                    | 2L        | Full pot      | 5/m²    |
| 41 -         | Miscanthus sinensis 'Morning Light' | 5-7.5L    | Full Pot: C   | 3/m²    |
| 24 -         | Stipa tenuissima                    | 2L        | Full Pot: C   | 6/m²    |
| Total :703 - |                                     |           |               |         |

| NATIVE SCRUB MIX |                       |          |           |                                                    |         |                         |
|------------------|-----------------------|----------|-----------|----------------------------------------------------|---------|-------------------------|
| Number           | Species               | Height   | Container | Specification                                      | Density | Percentage Contribution |
| 163 -            | Corylus avellana      | 80-100cm |           | 1+2: Transplant - seed raised: Branched: 4 brks: B | 1/m²    | 10%                     |
| 163 -            | Crataegus monogyna    | 80-100cm |           | 1+2: Transplant - seed raised: B                   | 1/m²    | 10%                     |
| 243 -            | Euonymus europaeus    | 40-60cm  |           | 1+1: Transplant - seed raised: Branched: 3 brks: B | 1/m²    | 15%                     |
| 163 -            | Ilex aquifolium       | 30-40cm  | 2L        | Bushy: 2 brks: C                                   | 1/m²    | 10%                     |
| 243 -            | Ligustrum vulgare     | 60-80cm  |           | 0/2: Cutting: Branched: 3 brks: B                  | 1/m²    | 15%                     |
| 163 -            | Lonicera periclymenum |          | 0.5L      | Several Shoots: 2 brks: C                          | 1/m²    | 10%                     |
| 243 -            | Prunus spinosa        | 40-60cm  |           | 1+1: Transplant - seed raised: Branched: 2 brks: B | 1/m²    | 15%                     |
| 243 -            | Rosa canina           | 60-80cm  |           | 1+1: Transplant - seed raised: Branched: 3 brks: B | 1/m²    | 15%                     |
| Total :1624 -    |                       |          |           |                                                    |         |                         |

| BULB MIX     |                           |               |         |                         |
|--------------|---------------------------|---------------|---------|-------------------------|
| Number       | Species                   | Specification | Density | Percentage Contribution |
| 69 -         | Fritillaria meleagris     | Grade 5/6     | 8/m²    | 30%                     |
| 69 -         | Galanthus nivalis         | Grade 4/5     | 8/m²    | 30%                     |
| 91 -         | Narcissus pseudonarcissus | Grade 5/6     | 8/m²    | 40%                     |
| Total :229 - |                           |               |         |                         |

| NATIVE HEDGE MIX |                    |          |                                                    |         |                         |
|------------------|--------------------|----------|----------------------------------------------------|---------|-------------------------|
| Number           | Species            | Height   | Specification                                      | Density | Percentage Contribution |
| 130 -            | Acer campestre     | 80-100cm | 1+1: Transplant - seed raised: B                   | 5/m     | 15%                     |
| 173 -            | Carpinus betulus   | 80-100cm | 1+1: Transplant - seed raised: B                   | 5/m     | 20%                     |
| 88 -             | Corylus avellana   | 80-100cm | 1+2: Transplant - seed raised: Branched: 4 brks: B | 5/m     | 10%                     |
| 344 -            | Crataegus monogyna | 80-100cm | 1+2: Transplant - seed raised: B                   | 5/m     | 40%                     |
| 45 -             | Ligustrum vulgare  | 60-80cm  | 0/2: Cutting: Branched: 3 brks: B                  | 5/m     | 5%                      |
| 45 -             | Malus sylvestris   | 80-100cm | 1+2: Transplant - seed raised: B                   | 5/m     | 5%                      |
| 45 -             | Rosa canina        | 60-80cm  | 1+1: Transplant - seed raised: Branched: 3 brks: B | 5/m     | 5%                      |
| Total :870 -     |                    |          |                                                    |         |                         |

LEGEND

- Phase 1 application boundary
- Existing trees & vegetation; refer to arboricultural report
- Proposed tree
- Proposed hedge
- Proposed native scrub planting
- Proposed planting
- Proposed grass
- Proposed EL1 Flowering Lawn Mixture by Emorsgate
- Proposed EM6 Meadow Mixture for Chalk and Limestone Soils by Emorsgate
- Proposed EM8 Meadow Mixture for Wetlands by Emorsgate
- Proposed EH1 Hedgerow Mixture by Emorsgate
- Proposed bulb planting

Drawing for planning purposes only, do not construct from this drawing

This drawing is to be used for planting information only

Any species substitution must be verified with the project Landscape Architect

This layout must be checked in accordance with NHBC Standards 2023 (Chapter 4.2: Building Near Trees, and Chapter 10.2: Drives, Paths and Landscaping) by the project engineer prior to implementation

Excavations: Contractors must ensure they have full information relating to service and drainage positions before undertaking any excavations

Root barriers to be used in association with tree planting adjacent to kerbs, services, highways etc.

FOR OTHER LANDSCAPE DRAWINGS REFER TO THE FOLLOWING:

Planting Schedule:  
ROY01-LLA-P1-GF-DR-L-0204

Detailed Hard Landscape Proposals:  
ROY01-LLA-P1-GF-DR-L-0201 to 0206

Landscape Specification and Details:  
ROY01-LLA-P1-GF-DR-L-0301

Landscape Management Plan:  
ROY01-LLA-P1-XL-RP-L-0601

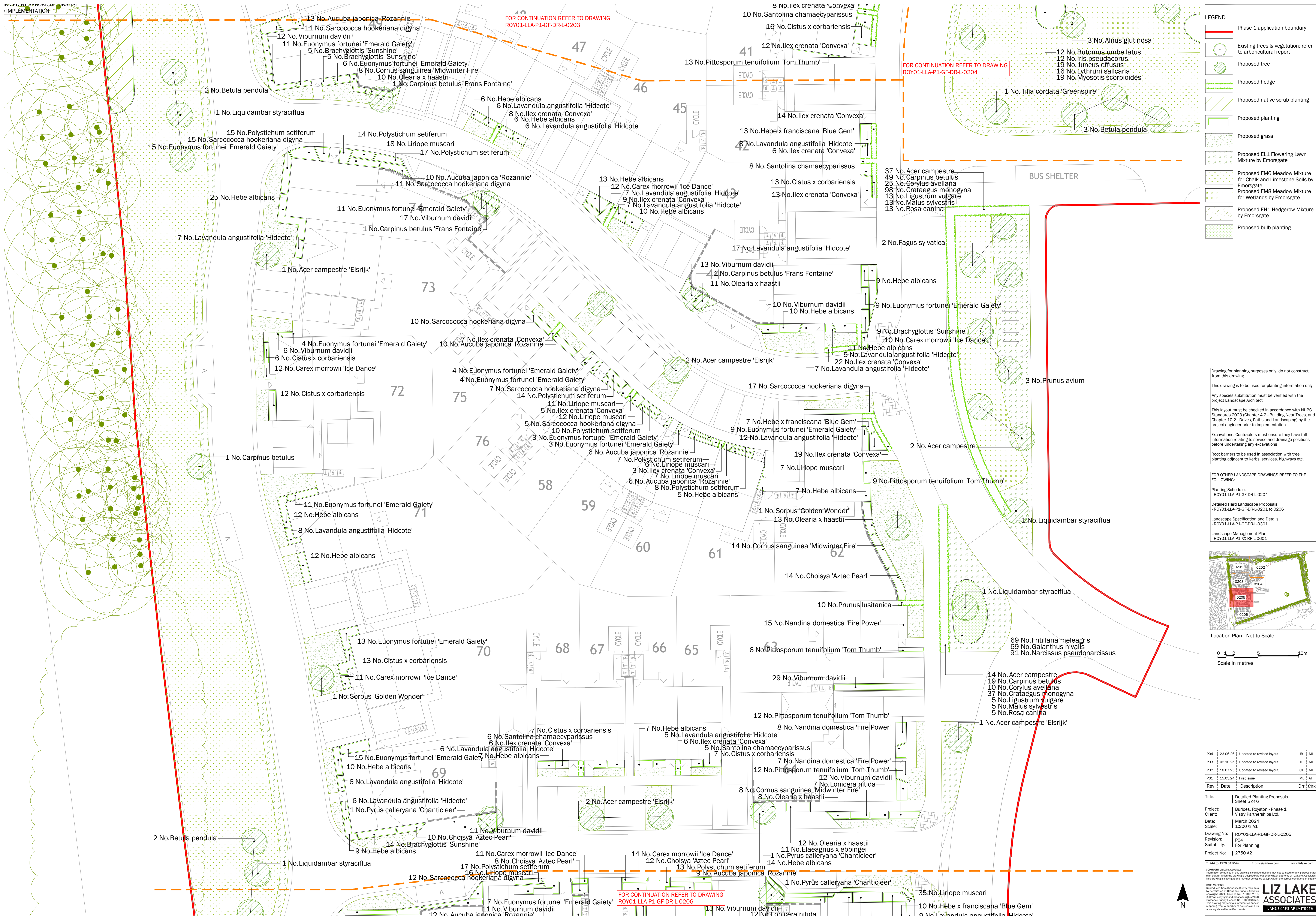


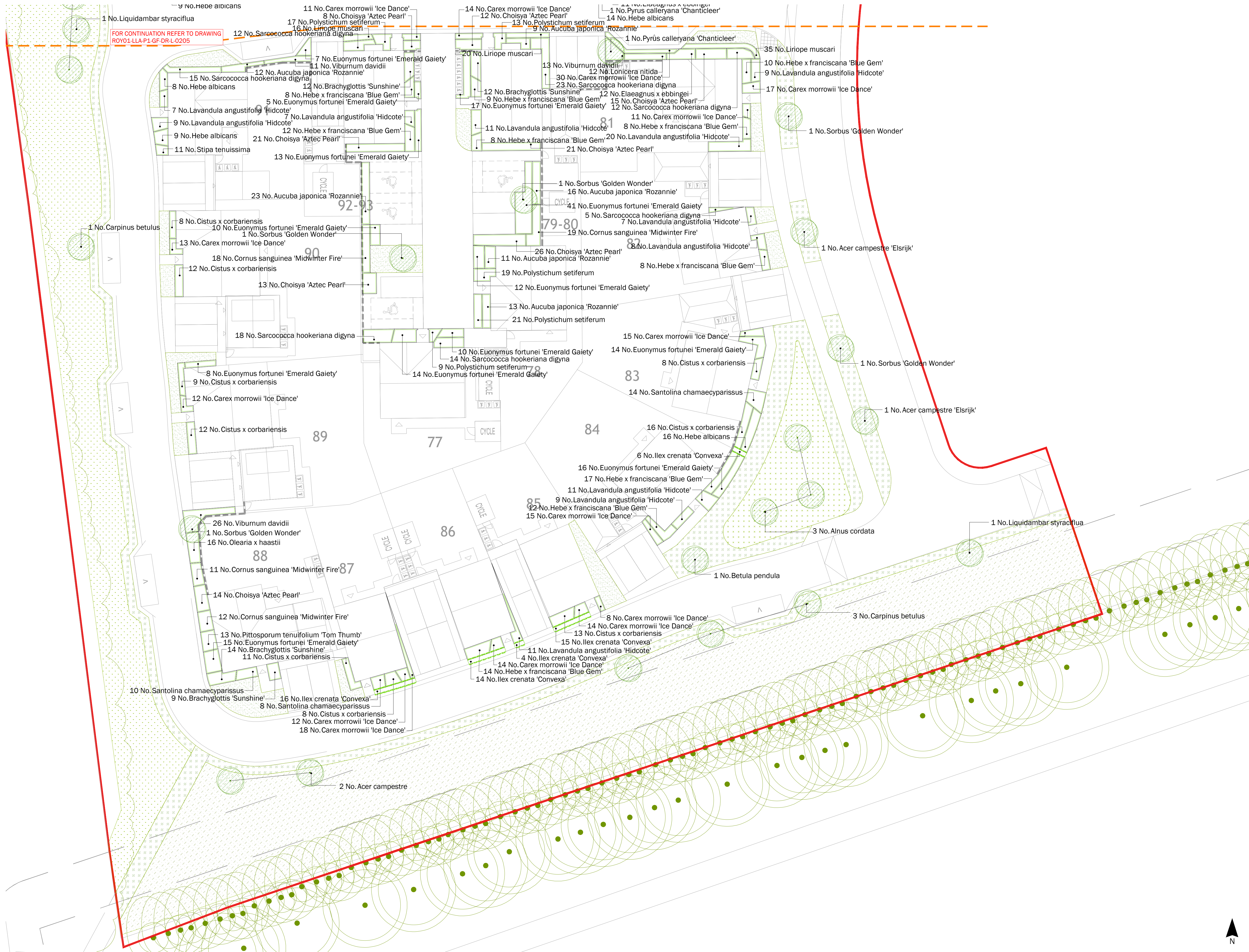
Location Plan - Not to Scale

0 1 2 5 10m

Scale in metres

|                                                                                                                                                                                                                                                                                                    |          |                           |    |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------|----|-----|
| PO4                                                                                                                                                                                                                                                                                                | 23.06.26 | Updated to revised layout | JB | ML  |
| PO3                                                                                                                                                                                                                                                                                                | 02.10.25 | Updated to revised layout | JL | ML  |
| PO2                                                                                                                                                                                                                                                                                                | 18.07.25 | Updated to revised layout | CT | ML  |
| PO1                                                                                                                                                                                                                                                                                                | 15.03.24 | First issue               | ML | AF  |
| Rev                                                                                                                                                                                                                                                                                                | Date     | Description               | Dm | Chk |
| Title: Detailed Planting Proposals                                                                                                                                                                                                                                                                 |          |                           |    |     |
| Sheet 4 of 6                                                                                                                                                                                                                                                                                       |          |                           |    |     |
| Project: Burfords, Royston - Phase 1                                                                                                                                                                                                                                                               |          |                           |    |     |
| Client: Vistry Partnerships Ltd.                                                                                                                                                                                                                                                                   |          |                           |    |     |
| Date: March 2024                                                                                                                                                                                                                                                                                   |          |                           |    |     |
| Scale: 1:200 @ A1                                                                                                                                                                                                                                                                                  |          |                           |    |     |
| Drawing No: ROY01-LLA-P1-GF-DR-L-0204                                                                                                                                                                                                                                                              |          |                           |    |     |
| Revision: PO4                                                                                                                                                                                                                                                                                      |          |                           |    |     |
| Suitability: For Planning                                                                                                                                                                                                                                                                          |          |                           |    |     |
| Project No: 12750 A2                                                                                                                                                                                                                                                                               |          |                           |    |     |
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| LIZ LAKE ASSOCIATES LANDSCAPE ARCHITECTS                                                                                                                                                                                                                                                           |          |                           |    |     |





- LEGEND
- Phase 1 application boundary
  - Existing trees & vegetation; refer to arboricultural report
  - Proposed tree
  - Proposed hedge
  - Proposed native scrub planting
  - Proposed planting
  - Proposed grass
  - Proposed EL1 Flowering Lawn Mixture by Emorsgate
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  - Proposed EH1 Hedgerow Mixture by Emorsgate
  - Proposed bulb planting

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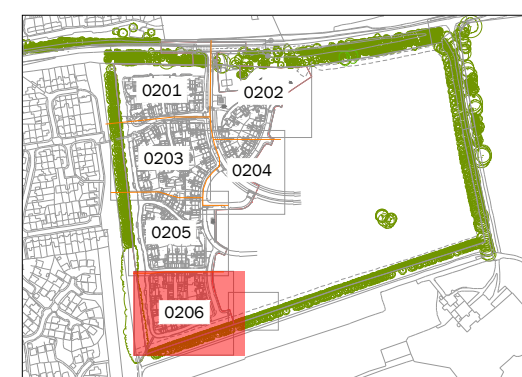
FOR OTHER LANDSCAPE DRAWINGS REFER TO THE FOLLOWING:

Planting Schedule:  
ROY01-LLA-P1-GF-DR-L-0204

Detailed Hard Landscape Proposals:  
ROY01-LLA-P1-GF-DR-L-0201 to 0206

Landscape Specification and Details:  
ROY01-LLA-P1-GF-DR-L-0301

Landscape Management Plan:  
ROY01-LLA-P1-XR-RP-L-0601



Location Plan - Not to Scale

0 1 2 5 10m  
Scale in metres

|     |          |                           |    |     |
|-----|----------|---------------------------|----|-----|
| POS | 23.06.26 | Updated to revised layout | JB | ML  |
| PO4 | 03.11.25 | South-west mown path      | ML | AF  |
| PO3 | 02.10.25 | Updated to revised layout | JL | ML  |
| PO2 | 18.07.25 | Updated to revised layout | CT | ML  |
| PO1 | 15.03.24 | First issue               | ML | AF  |
| Rev | Date     | Description               | Dm | Cmk |

Title: Detailed Planting Proposals  
Sheet 6 of 6

Project: Burfoss, Royston - Phase 1  
Client: Vistry Partnerships Ltd.

Date: March 2024  
Scale: 1:200 @ A1

Drawing No: ROY01-LLA-P1-GF-DR-L-0206  
Revision: POS  
Suitability: For Planning

Project No: 2750 A2

LANDSCAPE SPECIFICATION

SITE PREPARATION

**Topsoil**  
Existing topsoil shall be stripped before building works begin. Imported topsoil shall be to BS 3882: 2015 Specification for Topsoil. Topsoil shall be multi-purpose grade, of medium texture, with a high proportion of fertile loamy material. It shall be of a neutral pH value and be free from subsoil, rubbish, rubble, contamination, roots of perennial weeds and other materials injurious to plant growth. The maximum stone content of the soil shall be 20%, with the maximum size of stone 25mm in any one dimension. All topsoil shall be stacked in heaps, not exceeding 2m high. During storage, topsoil heaps shall be kept free from compaction, contamination and weeds to BS 3882: 2015. Stripped and stored topsoil for reuse on site to be tested to BS 3882: 2015 certification, soil to be improved to meet standards prior to reuse if required.

**Excavation**  
Excavation shall NOT be undertaken with machinery within the root protection area of any existing trees or shrubs to be retained. Areas requiring excavation under existing trees are to be hand dug with an arboriculturalist present to oversee the work. Unless otherwise indicated areas to be planted / seeded shall be cleared of all surface rubbish and excavated to the dimensions below finished level as follows, when the soil is not waterlogged or frozen. Ensure the location of all services is known before any excavation operations.

Tree pits: Excavated as per specified details  
Shrub and hedge pit / trench: 300mm deep  
Grass areas: 300mm deep  
Wildflower grassland areas: Excavate to finished levels

The base of excavated areas shall be forked or otherwise cultivated to a depth of 150mm to facilitate drainage and all bricks, stones and other debris, etc. over 75mm in any one dimension shall be removed. Similarly, areas trafficked by construction vehicles shall be ripped to a depth of 150-300mm to relieve compaction.

**Backfilling with Subsoil**  
Where excavated areas are lower than the required depths, excavations shall be backfilled with selected subsoil and lightly consolidated to make up levels. Selected subsoil shall be friable, second quality topsoil or similar and be free of rubbish, roots, stones over 75mm in any one dimension, perennial weeds or other materials injurious to plant growth to BS 8601: 2013.

**Backfilling with Topsoil**  
Tree, shrub and hedge pit / trench excavations shall be backfilled, in layers, with clean topsoil (as specified above) thoroughly mixed with planting compost to comply with PAS 100:2018. An approved tree and shrub fertilizer shall be added to topsoil, prior to backfilling tree-pits. Grass areas (excluding wildflower grassland areas) shall be backfilled with topsoil in layers of 150mm depth.

**Cultivation**  
Prior to cultivation if planting / seeding areas are weed infested, weed growth to be strimmed, the arisings removed and re-growth consistently strimmed if it resurfaces OR treated with an approved herbicide. Treatment to be undertaken in the growing season preceding planting, at a minimum 4 weeks prior to works to allow for repeat treatment if necessary.

Cultivation shall not be undertaken within the root protection area of any trees / shrubs to be retained, without prior agreement from the Local Planning Authority. Topsoil shall be cultivated by hand or machine prior to planting, with minimal compaction by machine. Cultivate to the following depths and tilth, removing all rubbish, vegetation, perennial weeds, roots, stones over 25mm in any one dimension and rake to even levels.

Planting areas: 300mm deep cultivation to medium tilth  
Grass seeding areas: 150mm deep cultivation to fine tilth raked to a smooth evenly firmed bed  
Turf areas: 150mm deep cultivation to medium tilth raked to a smooth evenly firmed bed  
Wildflower grassland areas: 150mm deep cultivation to medium tilth raked to a smooth evenly firmed bed

**Wildflower grassland areas:** Where un-excavated areas are to be seeded with wildflower grassland mix the topsoil shall be cultivated to turn the soil over to a depth of 300mm to bring subsoil to the surface. Elsewhere, excavated areas to be seeded with wildflower grassland mix to be backfilled to finished levels with subsoil (as above).

PLANTING

**Plant Stock and Timing**  
Plant material and operations shall conform to BS 8545 : 2014, BS 3936 Nursery Stock (Parts 1-10), BS 4428 : 1989 and BS 5837 : 2012. The planting season shall be from the 1st November to the 1st March. Container grown stock may be planted outside this season if accompanied by daily watering, or 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.

**Planting**  
All planting that is within the root protection area of existing trees/shrubs to be retained, shall be undertaken by hand and positions altered should tree roots be encountered, in order to avoid damage to the root system.

All plants shall be set out evenly over the areas as indicated, to the density and quantities shown. All plants shall be planted upright at the same depth as the nursery soil level and evenly spaced, leaving room for growth. All restrictive containers shall be removed with roots not twisted. Immediately following planting, all plants shall be watered-in to field capacity.

Container grown and root balled plants shall be planted in a planting pit sufficient to accommodate the plant without causing root damage, with a minimum 50mm backfill beyond the root ball extent. Plants to be firmed, watered-in and dead, damaged or lopsided branches shall be removed after planting. Bare-root plants shall be slit planted, incorporating an approved high phosphate, slow-release fertilizer.

**Tree Planting and Support**  
Trees planted in landscape areas shall be installed as specified.

All trees to be firmed in after planting. All trees shall have irrigation / aeration system units fitted to fully surround the root ball.

**Hedge Planting**  
Hedges shall be planted in a single, double staggered or triple staggered row as per detail. Dead, damaged or straggly branches shall be removed after planting. All transplants in hedge and native mixes shall be fitted with individual protection i.e. shrub shelters, spiral guards as specified, or alternatively the planting areas shall be protected with rabbit-proof fencing. All shrub shelters / spiral guards shall be black or green, adequately supported and installed to allow for expansion.

**Bulb Planting**  
Bulbs shall be planted according to species and good horticultural practice. Swathes of bulbs shall be randomly planted avoiding straight lines and / or formal layout unless otherwise specified.

**Mulching**  
Prior to the application of mulch the planting areas shall be completely weed free and watered sufficiently to achieve field capacity. The surface of the planting areas shall be mulched with a minimum 75mm depth layer of 15-65mm nominal particle size, dark, matured woodchip mulch, ensuring that the low branches of trees, shrubs and/or herbaceous plants are NOT smothered.

Mulch shall be an approved product and completely weed and weed seed free. The mulch shall be topped-up to maintain, after settlement, a depth of not less than 50mm. Trees in grass areas shall be planted centrally within a 1m diameter mulch bed, to be mulched to 75mm deep. The surface of mulch to be 10mm below the surface of adjacent lawn / hard surface.

GRASS AREAS

**Turf**  
Turf shall accord with BS 3969: 1998, it shall be good quality meadow / cultivated, amenity turf free from weeds and be laid on even, prepared ground (as detailed above), during periods of suitable warm and moist weather conditions. Pre-turfing fertiliser shall be applied to manufacturer's recommendations and turf shall be laid in accordance with BS 4428: 1989.

Turf shall be laid with broken joints well-butted up, working from timber planks to avoid damaging turf when laying. Water as necessary to avoid shrinkage and achieve satisfactory establishment. Undertake good horticultural practice to ensure establishment of a healthy grass sward.

**Grass Seeding**  
Areas of amenity grass shall be seeded with a general amenity grass mix as specified during the period March to May or September to October,during periods of moist, warm weather conditions without significant wind. Pre-seeding fertiliser shall be applied to manufacturer's recommendations. Seed shall be sown on even, prepared ground (as detailed above), at a rate of 35g/m2 or as specified, in two transverse operations. Lightly roll seed bed after sowing. Water as necessary to avoid shrinkage and achieve satisfactory establishment. Undertake good horticultural practice to ensure establishment of a healthy grass sward.

**Wildflower Grassland Seeding**  
Areas of wildflower grassland shall be seeded with a wildflower grassland mix suitable for the soil type as specified, during the period March to May or September to October, during periods of suitable warm and moist weather conditions. Seed shall be sown on prepared ground (as detailed above), at a rate of 5g/m2 or as specified. Lightly roll seed bed after sowing. Water as necessary to avoid shrinkage and achieve satisfactory establishment. Undertake good horticultural practice to ensure establishment of a healthy wildflower grass sward.

AFTERCARE PERIOD

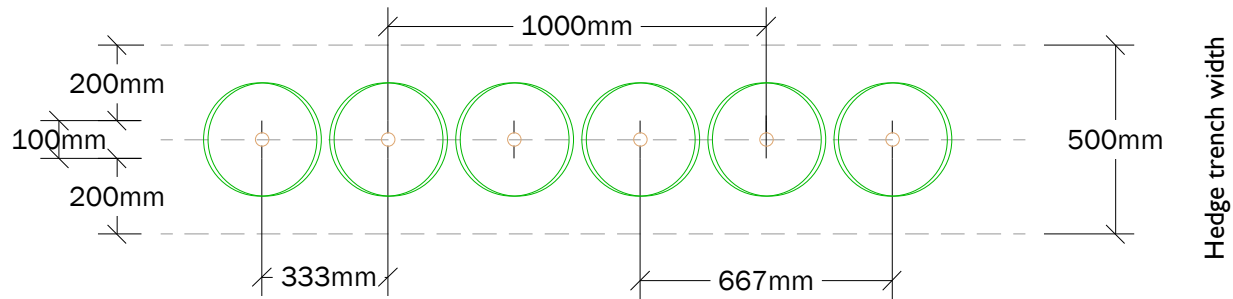
**Regular Visits**  
During the specified Aftercare Period maintenance visits shall be carried out, at least monthly from April to September and twice during the dormant season to carry out the following operations to establish healthy growing plants / grass in weed free areas: watering, firming-up, removal of litter, pest and disease control, general pruning, checking guards, ties and stakes, weed control, grass cutting and autumn tidying. All arisings shall be carted away and the site shall be left clean and tidy at all times.

**Watering**  
All planting and grass areas shall not be allowed to dry out and shall be kept well watered during the growing season, ensuring the soil is kept moist at all times but avoiding waterlogging.

**Replacement Planting**  
During each August within the Aftercare Period an inspection shall be made and all plants that have died, are missing, damaged or have failed to thrive, shall be noted and replaced in the following planting season.

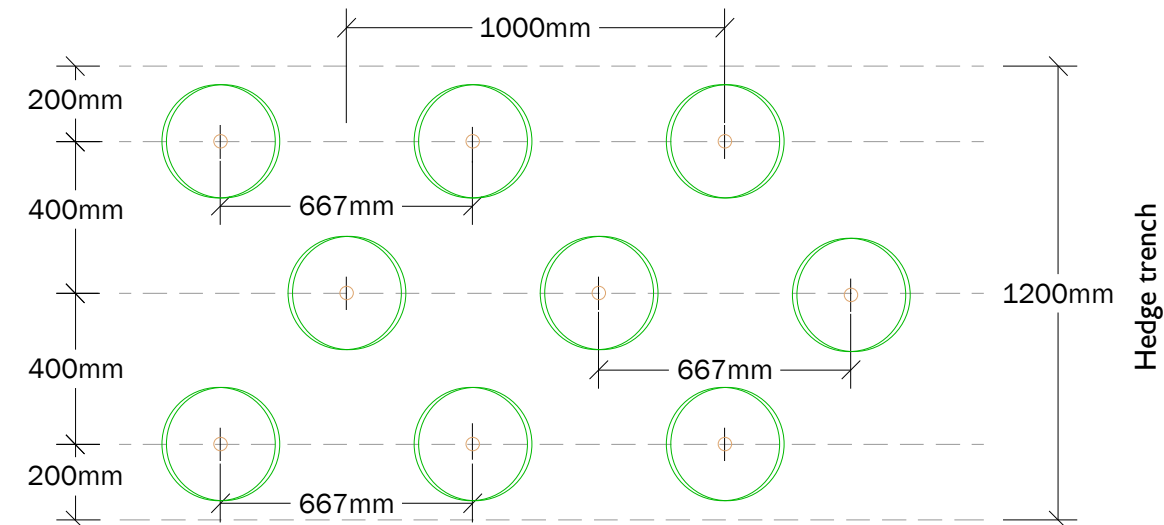
**Grass Cutting**  
During the first and subsequent growing seasons amenity grass shall be kept at a height of 25mm to 50mm. Any bare patches are to be resown. Selective weed control shall be undertaken as necessary once the sward is sufficiently established.

**Wildflower Grassland Cutting**  
During the first growing season cut wildflower grassland every 2 months to a height of 40-60mm and in subsequent growing seasons cut to 40-60mm height during late March and late August / early September or as specified. All arisings shall be collected and removed from the site to avoid smothering the sward and to reduce nutrient levels. Spot treat perennial weeds with Glyphosate at the manufacturer's recommended dose rate / or hand pull.



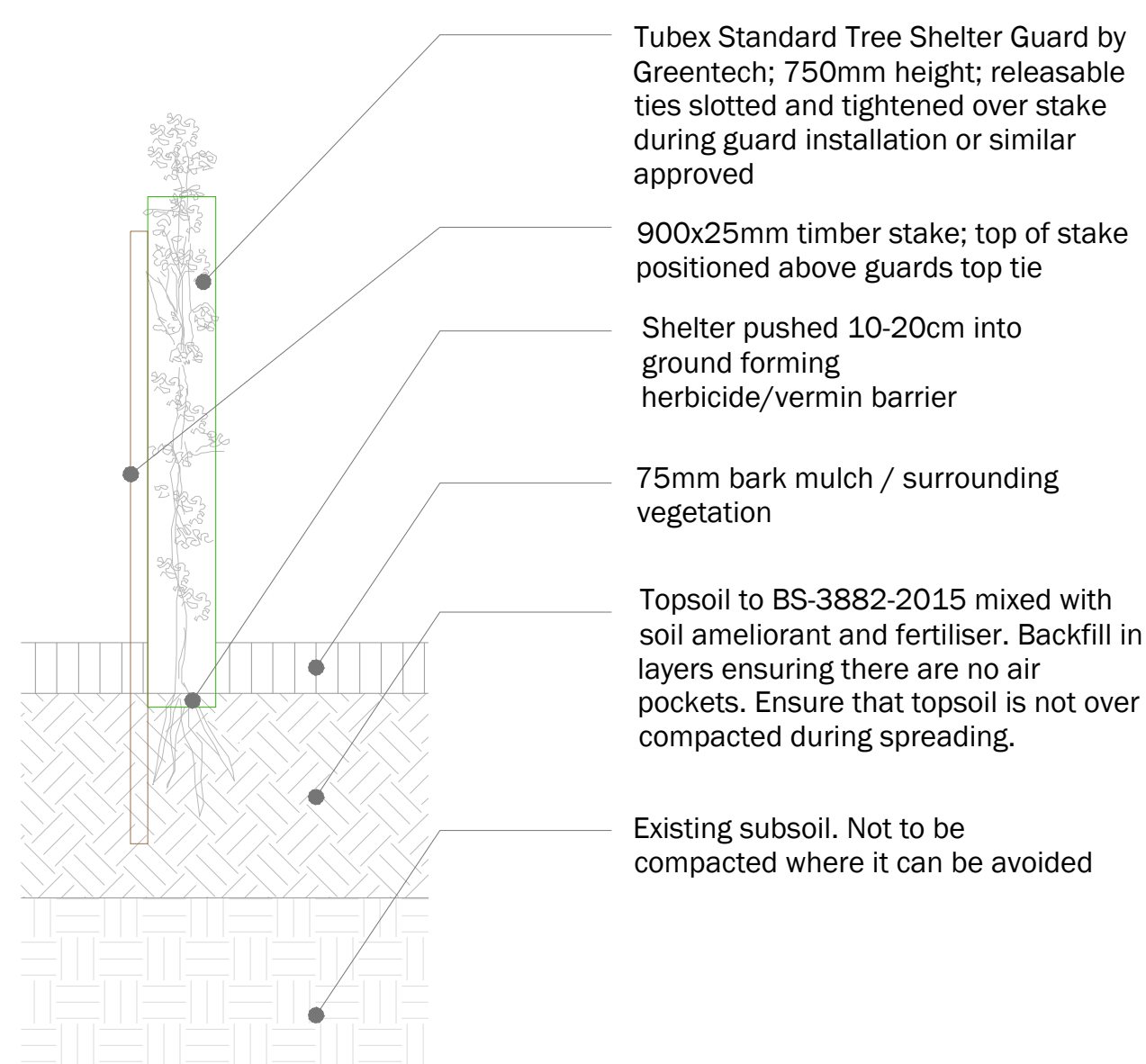
The hedge shall be planted in a single row at the above dimensions

HEDGE PLANTING DETAIL - 3/m  
Single row with 500mm trench  
Not to Scale



The hedge shall be planted in a staggered row at the above dimensions

HEDGE PLANTING DETAIL FOR MIXED NATIVE  
HEDGING - 5/m  
Triple staggered row with 1200mm trench  
Not to Scale



Tubex Standard Tree Shelter Guard by Greentech; 750mm height; releasable ties slotted and tightened over stake during guard installation or similar approved

900x25mm timber stake; top of stake positioned above guards top tie

Shelter pushed 10-20cm into ground forming herbicide/vermin barrier

75mm bark mulch / surrounding vegetation

Topsoil to BS-3882:2015 mixed with soil ameliorant and fertiliser. Backfill in layers ensuring there are no air pockets. Ensure that topsoil is not over compacted during spreading.

Existing subsoil. Not to be compacted where it can be avoided



1800mm Timber stake and adjustable ties - minimum top diameter 75mm. Nail tie onto stake. Use spacers as indicated. Do not tighten excessively

RRURB1A RootRain Urban irrigation system by Greenblue Urban or similar approved. Ensure inlet is slightly above finished surround level and that system is completely level

Carriageway / footway in accordance with Engineer's details / existing surfacing

ReRoot 1000 Root barrier (sufficient depth to protect concrete bed / granular base structure) - 1.0m depth: Located only to sides of pit adjacent to hard surfacing and positioned to give the tree as much rooting volume as possible - adjust to suit specific tree location

Existing subsoil. Not to be compacted where it can be avoided

Adjustable tie NOT to be too tight on tree trunk

Root ball to be positioned at correct depth. Root flare to be clearly visible at the soil surface, base of stem level with the existing host soil or surface. Make allowance for minor settlement of soil after planting

75mm depth bark mulch. Trees in grass areas shall be planted centrally within a 1m diameter mulch bed

Topsoil to BS-3882:2015 mixed with soil ameliorant and fertiliser. Backfill in layers ensuring there are no air pockets. Ensure that topsoil is not over compacted during spreading

Bottom 350mm of pit backfilled with good quality subsoil to BS-8601:2013 placed under and around the root ball. Sub soil must be carefully handled so as to retain soil structure

Ensure sides of pit are NOT compacted, glazed or smeared. Scarify sides of pit as necessary to alleviate these problems

Base of tree pit to be 650mm depth ensuring root flare is at the correct level to the finish soil levels. (Increase depth for larger sized tree roots). Base of tree pit be domed with highest point at the centre as shown

FOR OTHER LANDSCAPE DRAWINGS REFER TO THE FOLLOWING:  
Detailed Hard Landscape Proposals  
- ROY01-LLA-P1-GF-DR-L-0101 to 0106 drawing series  
Detailed Planting Proposals  
- ROY01-LLA-P1-GF-DR-L-0201 to 0206 drawing series  
Landscape Management Plan  
- ROY01-LLA-P1-XX-MP-L-0601

|                                                             |          |             |    |     |
|-------------------------------------------------------------|----------|-------------|----|-----|
| P01                                                         | 15.03.24 | First Issue | ML | AF  |
| Rev                                                         | Date     | Description | Dm | Chk |
| Title: Landscape Specification and Details                  |          |             |    |     |
| Project: Burfoss, Royston - Phase 1                         |          |             |    |     |
| Client: Vistry Partnerships Ltd.                            |          |             |    |     |
| Date: March 2024                                            |          |             |    |     |
| Scale: NTS @ A1                                             |          |             |    |     |
| Drawing No: ROY01-LLA-P1-GF-DR-L-0301                       |          |             |    |     |
| Revision: P01                                               |          |             |    |     |
| Suitability: For Planning                                   |          |             |    |     |
| Project No: 2750 A2                                         |          |             |    |     |
| T: +44 (0)1279 647044 E: office@lidlake.com www.lidlake.com |          |             |    |     |

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LIZ LAKE  
ASSOCIATES  
LANDSCAPE ARCHITECTS

TYPICAL TREE PLANTING DETAIL - Root balled tree. Double stake fixing in soft landscape adjacent to Carriageway / footway - Not to Scale

# BURLOES, ROYSTON

## LANDSCAPE MANAGEMENT PLAN

### SCHEDULE OF IMPLEMENTATION

July 2025

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[illegible]

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