



LANDSCAPE SPECIFICATION & MANAGEMENT PLAN

**HAMILTON ACADEMY
40 CHRISTCHURCH ROAD**

Educational Development

L6615

February 2024

Prepared on Behalf of Acorn Education and Care Ltd



DOCUMENT CONTROL

Project: HAMILTON ACADEMY
Educational Development

Document: Landscape Specification & Management Plan

Client: Acorn Education and Care Ltd

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CONTENTS

1	INTRODUCTION	5
2	OVERVIEW	6
3	PREPARATION	8
4	PLANTING SPECIFICATION	10
4.2	Trees	10
4.3	Shrubs and Perennials	11
4.4	Turfing	12
4.5	Bulbs	12
5	MAINTENANCE GUIDELINES	13
5.2	Watering	13
5.3	Weeding	13
5.4	Pruning, Mowing and Cutting	14
6	GENERAL	15



DRAWINGS

2023-L6615-002	Landscape Plan – Site Overview
2023-L6615-003	Soft Landscape Plan – Sheet 1 of 3
2023-L6615-004	Soft Landscape Plan – Sheet 2 of 3
2023-L6615-005	Soft Landscape Plan – Sheet 3 of 3

APPENDICES

Appendix A	Planting Schedule
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1 INTRODUCTION

- 1.1.1 Hamilton Academy is on the site of a former school at 40 Christchurch Road, in Reading. The area is described as urban, having a mix of residential and commercial properties. There is a typical mix of homes with local convenience stores, a bakery, pharmacies, restaurants, cafes and a public house in the neighbourhood.
- 1.1.2 The development will retain and upgrade the existing large Edwardian property to the front of the site and reclad and upgrade the single storey classroom blocks to the East and West, which will be accessible by stairs and ramps. New parking facilities will be built to the east of the site and a new fence will be installed around the MUGA enclosure. There will also be a new playground area provided to the south of the MUGA. Accompanying new landscaping to the site will further enhance the development. All the works will provide a much needed new specialist school in the area.



2 OVERVIEW

- 2.1.1 The landscaping proposals for Hamilton Academy have been carefully considered to suit the scheme's design and location. This planting scheme aims to compliment the development's architectural objectives, uses and is cognisant of the importance of retaining and enhancing existing site biodiversity. Tree, shrub and perennial planting emphasise native, low maintenance and drought tolerant species. All to ensure that provision of amenity and biodiversity enhancements is met and is compliant with local Core Strategy and the relevant sections of the NPPF.
- 2.1.2 The planting to the parking area to the North Entrance to the school has been selected to provide year-round visual interest, be of wildlife benefit and to provide a sense of place upon arrival. Two new Cherry trees, a crab apple, lollipop Photinia and a line of red dogwoods amongst other native shrub, perennial and bulb planting in this area will give a sense of identity from Christchurch Road.
- 2.1.3 Planting within the site, in planter areas between the classroom blocks is a mix of small to medium native and ornamental trees, shrubs, perennials and grasses. Trees like Rowan, hazel and a field maple will be of benefit to pollinators, including bees, moths and butterflies. The seeds of the rowan are enjoyed by birds as are the fruits of the crab apple. New trees will provide nesting sites for birds while smaller mammals will have both food sources and opportunities for hibernation sites.
- 2.1.4 Evergreen shrubs such as viburnum and butchers broom will provide greenery throughout the year. Flowering perennials and grasses will attract both pollinators and birds to the site as well as providing a sense of place and giving year-round visual delight and enjoyment to the users of the school. A small area of herbs has been provided in the area closest to the domestic science classroom for use in cookery when needed.
- 2.1.5 Turfed area to the east of the site will be low maintenance, drought and shade tolerant. Turfed area to the south west of the site will be wildflower turf and native enriched. **Refer to Drawing 2023-L6615-002**
- 2.1.6 To the south of the site, beyond the allotments, the existing yew hedge is to be retained as this is mature and will already be of wildlife benefit and screen the site. It is acknowledged that any new fencing required will take account of small mammal movement/ hedgehog highways through the site. For this reason, any new close-boarded timber fencing shall be fitted with hedgehog friendly gravel boards or slightly raised above the ground as suggested in the Planning Condition.



- 2.1.7 The planting proposals for Hamilton Academy have been carefully considered to encourage wildlife within the site, providing new habitats and food sources for pollinators, birds and small mammals. At the same time the planting aims to give year-round interest, be low-maintenance and drought tolerant whilst providing visual delight and enjoyment for the users of the school. Landscape proposals aim to give a sense of place, of identity, community and enjoyment to the Academy fraternity.
- 2.1.8 Details and number of new bird and bat roosts within the built environment shall be provided by others.
- 2.1.9 External lighting shall be minimal and wildlife friendly. Details shall also be provided by others.



3 PREPARATION

- 3.1.1 Note: Generally for all areas. See separate area headings below for specific details.
- 3.1.2 Areas of new landscaping to boundaries shall be protected throughout the construction phase to avoid ground compaction, protect existing structures where necessary and to retain required existing plants/ trees.
- 3.1.3 Ground outside the working area shall not be overrun by heavy machinery. Any areas subject to compaction should have topsoil removed and stored until landscaping can take place. These areas should be thoroughly de-compacted and re-aerated prior to re-application of topsoil and cultivation.
- 3.1.4 In areas of new landscaping, existing ground cover, understory vegetation, leaf litter and other waste shall be removed using hand-held tools only. Care should be taken that tools do not cause damage to existing tree RPAs, stems or branches.
- 3.1.5 Ideally topsoil from the site shall be reused. Topsoil shall be stored in heaps not exceeding 1.5m high. Heaps shall be graded to shed water and avoid ponding, maintained in a weed free condition and protected from contamination or trespass from heavy machinery. Imported topsoil, if required should match as closely as possible to that on site and as required for plant type. Topsoil shall be lightly consolidated in layers not exceeding 150mm using track laying machinery. Works shall not be undertaken in periods of wet weather.
- 3.1.6 Topsoil shall be laid to the following minimum depths:
- i. 150mm below new grass areas. 400mm below new shrub areas.
- 3.1.7 Finished levels after settlement shall be as follows:
- i. 25mm above adjacent paving, new grassed areas and non-mulched shrub beds
75mm below paving and grass areas for mulched planting.
- 3.1.8 All pernicious and invasive weeds, including roots shall be cleared from the site before works commence. Clearance shall be restricted to hand weeding, forking out the roots or treatment with permitted glyphosate product, following supplier's guidelines and carried out with the instructions of the supervising officer.
- 3.1.9 All soil to landscaping areas to be cleared of any waste and free from stones. Soft landscaping works shall be carried in the first planting and seeding seasons following the occupation of the building/s or when the use is commenced.
- 3.1.10



- 3.1.11 Compost and fertilisers to be incorporated following manufacturer's instructions into the top 200mm of each square meter of topsoil for all ornamental shrub beds and tree pits.
- 3.1.12 Conditions for planting: Planting shall be carried out between October and February when soil is frost free. No planting shall be undertaken when the soil is waterlogged.



4 PLANTING SPECIFICATION

- 4.1.1 Planting materials used shall be environmentally friendly, using peat free composts and soil conditioners from approved, managed sources. No Herbicides or Pesticides shall be used without prior approval by the Supervising officer.
- 4.1.2 All plant stock, plant handling, planting and maintenance to be undertaken in accordance with the following British Standard Specifications and Code of Practice.
 - i. BS 3936 1992 Part 1 Nursery Stock- Specification for trees and shrubs
 - ii. BS3936 1990 Part 10 Nursery Stock Specification for ground cover plants
 - iii. BS3936 1998 Part 9 Nursery Stock Specification for bulbs, corms and tubers.
 - iv. BS4428 1989 Code of Practice for General Landscaping Operations (excluding hard surfaces)
 - v. BS7370-4 1993 Ground Maintenance Recommendations for Maintenance of Soft Landscaping.
- 4.1.3 All trees, shrubs, plants and bulbs must be quality checked upon delivery to site and rejected if sub-standard. Quality to be further checked before planting and again rejected if necessary.
- 4.1.4 Planting / soft landscaping work shall be carried out in the first planting season, following the occupation of the building/s or when the use is commenced.
- 4.1.5 All work stages pertaining to unloading and temporary storage, soil considerations,
- 4.1.6 Planting and post-planting management and maintenance of all plants to be undertaken following relevant British Standards and under instruction from a Supervising Officer.

4.2 Trees

- 4.2.1 To be U.K. grown and sourced in line with current bio-security Guidelines. Trees be planted in approximate positions and to size as shown on **Drawings 2023-L6615-003 and 004**
- 4.2.2 All trees shall comply with the Horticultural Trades Association National Plant Specification. Follow guidelines as set out in BS8545:2014. From Nursery to Independence in the Landscape.
- 4.2.3 All works involved with trees to include the following British Standards:
 - i. BS3998 2010 Tree Work Recommendations.
 - ii. BS5837 2012 Trees in Relation to design, demolition and construction.



- 4.2.4 An inoculant of mycorrhizal fungi shall be added to each tree pit at the time of planting, over and in contact with roots at manufacturer's recommended rates. Tree pits shall be of a size to accommodate root spread and backfilled with tree mulching compound.
- 4.2.5 Generally, tree pits to be square and at least 300mm wider and 75mm deeper than the tree root system when fully spread, or pit size as recommended by tree supplier. Soil to pit sides to be loosened if compacted. Trees to be planted at correct depth at root flare. Re-use existing topsoil and sub soil where possible. Pit to have a layer of horticultural sand to base at depth of 50 mm. Planting to suppliers' instructions. All to establish a healthy root system.
- 4.2.6 All areas of tree planting to use appropriate root management system and pavement support system installation and products as advised and recommended by GreenBlue Urban or similar
- 4.2.7 Tree planting compost/ fertiliser may be required in addition to existing top and subsoils for backfilling tree pits and should be applied/ mixed at the manufacturer's recommended rate.
- 4.2.8 Trees to be planted at correct depth for root flange. Generally young trees to be anchored with timber tree stakes, to prevent wind-rock and movement of roots, to provide support and encourage healthy establishment of tree. A single , timber tree stake is generally suitable, follow tree suppliers' advice. Stakes to be inserted at least 40cm into ground, Tree ties and stakes to be checked regularly, especially after bad weather, to ensure tree is well anchored, intact and shows no sign of abrasion. Stakes to generally remain in place for a few years until plant is fully established. Follow supervising officer's advice.
- 4.2.9 Trees in the parking area, where required are to be planted using Green Blue Arbor Pavement Support System or similar, installed as per supplier's instructions all to prevent vehicle surface uplift. Generally, a 70 to 100 cm diameter circle around the plant shall be kept clear of weeds for a minimum of three years. This may be mulched over but keep woody stems/ roots free of mulch to prevent damage to bark and roots.
- 4.2.10 Anticipate water loss and irrigate to prevent damage. Prior to planting tree roots to be thoroughly watered and again watered in upon planting with at least 50 litres of water on same day and thereafter irrigated/watered as per the supplier's recommendations and following BS8545:2014.

4.3 Shrubs and Perennials

- 4.3.1 Plants shall be planted at sizes and numbers specified on **Drawings 2023-L6615-003 and 004**
- 4.3.2 These shall be maintained and given pruning as indicated below and all to follow appropriate British Standards.



- i. All shrubs shall comply with the Horticultural Trades Association National Plant
- ii. Specification and should comply with guidelines as set out in BS3936:1992. Perennials to follow guidelines as set out in BS3936:1990. All plants should be U.K. grown and sourced in line with all current bio-security guidelines.
- iii. Plants to be watered thoroughly before planting and then watered in as soon as planted by soaking to saturation.
- iv. In the first year all plants should be regularly watered in dry spells to get them established.
- v. At all times follow supplier's planting and watering instructions.
- vi. Wood chip mulch shall be applied to shrub areas to a depth of 75mm.
- vii. All Shrubs and perennials shall be planted and maintained in compliance with BS4428:1989.

4.4 Turfing

- 4.4.1 All Turf shall be U.K. sourced and comply with the Turf Growers Association, TGA standards in addition to BS3969:1998.
- 4.4.2 Areas to be turfed see **Drawing 2023-L6615-002**, are to be free of any waste matter, including any construction waste and stones. Soil quality to be checked. Soil shall be thoroughly turned to a depth of 15cm. Thereafter surface to be levelled and raked to a fine tilth. All to turf supplier's instructions/ requirements.
- 4.4.3 Turf shall be low maintenance shade and drought tolerant. Supranova (50% Poa Supina 50% Poa Pratensis) Cutting height, no lower than 50mm.
- 4.4.4 Turf to be laid according to Supplier's recommendations. The preferred turfing time shall be early September. Turf shall be hard wearing and low maintenance. After laying, turf to be regularly watered to encourage root development and to establish lawn.
- 4.4.5 Lawns to be watered, fertilized with slow-release fertilizer, mowed and re-seeded as required all as recommended by turf suppliers.

4.5 Bulbs

- 4.5.1 Top Size bulbs to be planted in natural drifts at approximate locations and densities shown on **Drawings 2023-L6615-003, 004 and 005**. Follow Supplier's instructions regarding planting, spacing and depth. Bulb Planting Areas would benefit the addition of bulky organic matter such as composted bark or manure to aid drainage. Water in thoroughly after planting.



5 MAINTENANCE GUIDELINES

5.1.1 At all times follow recommendations in relevant British Standards

5.2 Watering

5.2.1 Watering to tree pits and shrub and perennial areas shall be carried out during dry periods at the instruction of the Supervising Officer. Watering shall be to field capacity. Generally, the following quantities of water in the first 24 months:

- i. **Trees** - 25 litres on 10 occasions throughout the growing season, or when less than 30mm precipitation at the end of any 4-week period.
- ii. **Shrub and Perennial Borders** - 10 occasions throughout the growing season or when less than 30 mm precipitation at the end of any 4 week period.
- iii. **Turf** - Watering to follow Supplier's recommendations.
- iv. **Bulbs**- Water deeply after planting. Water again, if necessary, before the ground freezes. After a dry winter water in late December/early January. Once bulbs are growing water once per week if there has been no rain until foliage dies back. As bulbs are planted under trees, watering in summer months will be required.

5.3 Weeding

5.3.1 Weeding should preferably be carried out by hand.

- i. Herbicides shall be applied only in accordance with the following, COPR, Control of Pesticide Regulations 1986 and all associated amendments, COSHH, Control of Substances Regulations 1988 and subsequent 2002 amendments, also all up-to-date GBPPP, Plant Protection Products Regulations and MRL Maximum Residue Regulations and shall only be carried out at the instruction of the supervising officer.

When removing weeds, any disturbed mulch shall be replaced. Weeding frequency shall be such that weeds shall not be allowed to grow above 150mm in height.

- ii. **Trees, Shrub, Perennial borders, Turf** - Weeding shall be carried out on a regular basis between March and October. Weeding shall at all times be preferably by means of hand weeding. Replace mulch where and when necessary to 75mm depth.
- iii. **Bulbs** - weeding to these areas shall at all times be preferably by hand.



5.4 Pruning, Mowing and Cutting

- i. **Trees** - Pruning will be essential to promote healthy compact growth and prevent encroachment on paths and driveways. Pruning shall also be undertaken to avoid shading of areas close to the buildings. Thinning shall be carried out only where plants are unduly crowded. Any Fruit trees to be pruned according to BS 3998 2010. Any diseased leaves and or damaged or crossing branches to any tree shall be removed as soon as noted.
- ii. **Trees** to be checked periodically through the year, especially after any high winds. Ensure there is no wind rock/ movement to tree and re-firm plant in ground when required. All to develop a healthy root system.
- iii. **Shrubs** - Pruning shall be undertaken to prevent encroachment on any hard surfaced areas and to maintain plant size and shape. Works shall be undertaken at the appropriate time of year for each species and according to suppliers' instructions and RHS Pruning Group advice.
- iv. **Turf** - Specified turf type requires cutting height to be no less than 50mm. Mowing frequency as recommended by suppliers.
- v. **Bulbs** - To be left in-situ. After flowering dead flowers may be removed but leave foliage untied/ unbraided to replenish bulb. After 4-6 weeks dead leaves may be removed/ cut back. Additional bulbs to be planted if required and desired.



6 GENERAL

- 6.1.1 All planting and maintenance of soft landscaping to the development must ensure that the appearance of the development is satisfactory and have due regard to all relevant Policies of the Development Plan for West Berkshire, the Reading Borough Local Plan and adhere to the National Planning Policy Framework.
- 6.1.2 All Landscape works must respect recommendations set out in the Arboricultural Impact Assessment and Method Statement, where and when applicable and the recommendations of the Ecologist.
- 6.1.3 The proposals aim to conserve, replace, protect and enhance the biodiversity and wildlife habitats within the development, all in the interests of amenity and of the environment.
- 6.1.4 The soft landscaping scheme provides a mosaic of habitats and rich food sources for a variety of wildlife to flourish within the development.
- 6.1.5 Replacement trees, shrubs and perennials shall be inspected before planting and any which fail to come up to the specification / standards will be rejected.
- 6.1.6 Plants to be top-dressed annually, for a minimum of 5 years with general purpose fertilizer applied according to the manufacturer's instructions.
- 6.1.7 Bark mulch depth. Bark mulch depth shall be measured each year and topped up to the specified depth where necessary.
- 6.1.8 Maintenance shall be for five years, during which time the contractor shall be liable for plant losses, which occur due to death, disease, deformity or removal. Tree and shrub replacement shall, where necessary, be carried out in each year of the Contract. Additional plant replacements shall be carried out in each year of the contract.
- 6.1.9 Any trees or plants that, within a period of 5 years after planting are removed, die or become, in the opinion of the local Planning Authority, seriously damaged or defective, shall be replaced as soon as is reasonably practicable with others of species, size and number as originally approved, unless the Local Planning Authority gives it's written consent to any variation.
- 6.1.10 Any pests or diseases affecting plants or grass shall be reported to the Supervising Office who shall take appropriate action.
- 6.1.11 All waste material arising from the maintenance works shall be removed from site at each visit and composted.



- 6.1.12 Dead, diseased, or dying branches shall be removed on observation. Trees to be inspected every Autumn and all remedial works to be carried out in accordance with BS8545:2014 trees from Nursery to Independence in the Landscape.
- 6.1.13 Litter shall be collected and removed from site at each visit.
- 6.1.14 A suitably qualified Supervising Officer should be appointed by the client or main contractor, to inspect and carry out any duties noted in this document.

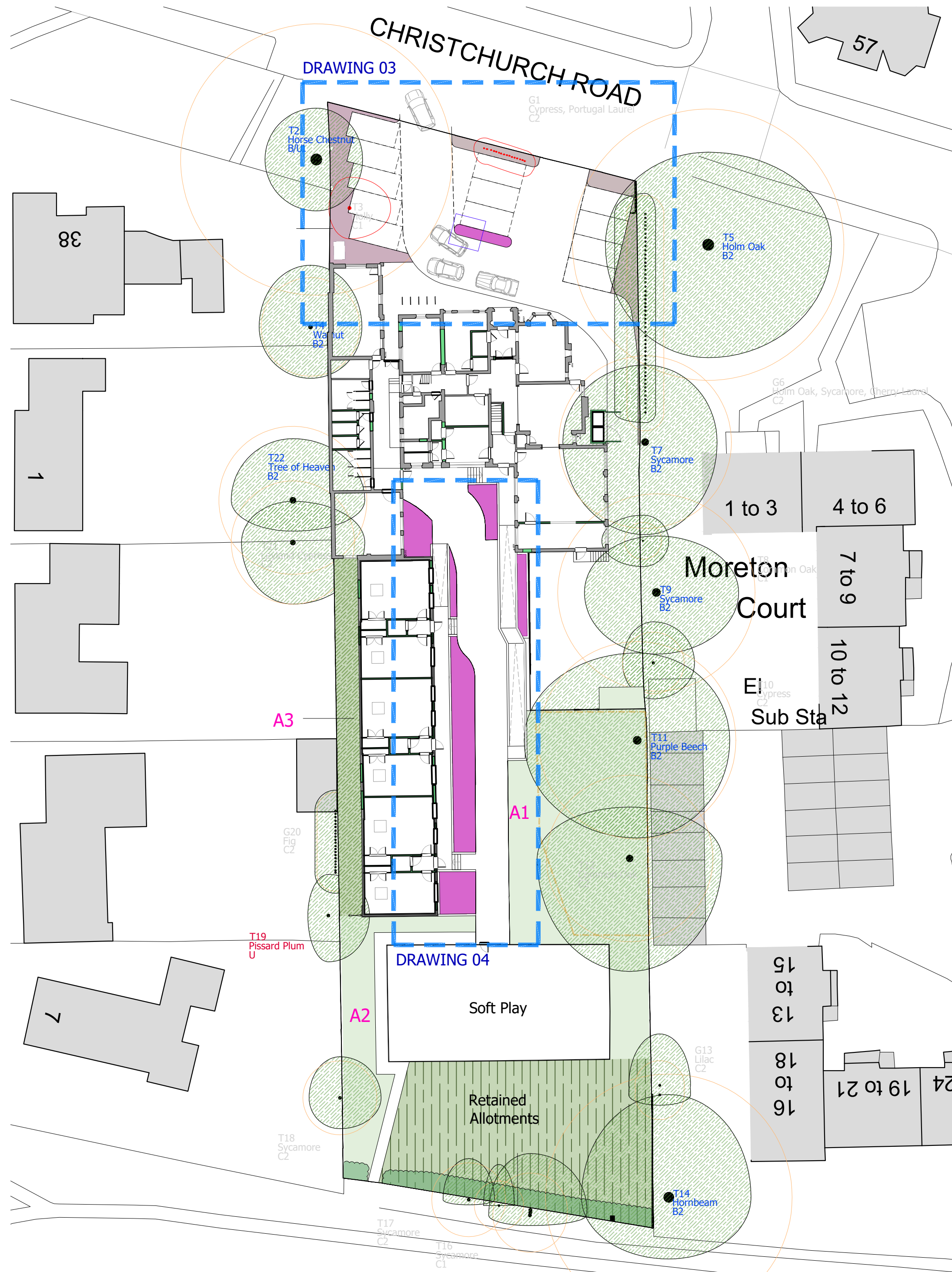


DRAWINGS

2023-L6615-002	Landscape Plan – Site Overview
2023-L6615-003	Soft Landscape Plan – Sheet 1 of 3
2023-L6615-004	Soft Landscape Plan – Sheet 2 of 3
2023-L6615-005	Soft Landscape Plan – Sheet 3 of 3



1:200 @ A1
1:400 @ A3



SOFT LANDSCAPE PLAN

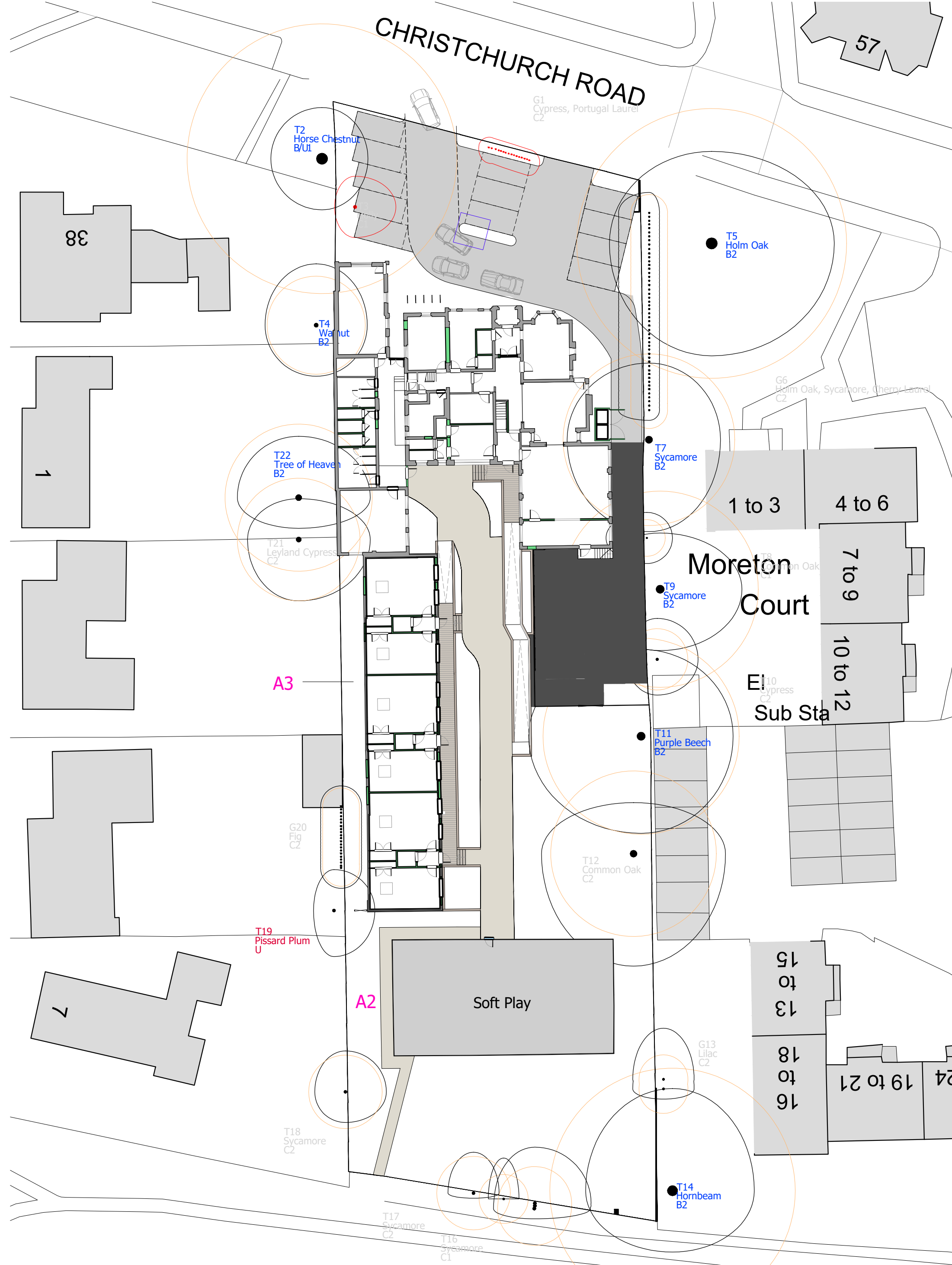
- Planted Areas**
Refer to drawings 03, 04 and 05
- Existing Hedge**
Yew hedge to be retained, pruned and weeded as necessary
- Grass areas**
SEE NOTE & drawing 05
- Unmaintained scrub**
- Allotments**
To be retained

A1 Grass - 339 sqm

Turf to be low maintenance, drought and shade tolerant. 100% supra / supranova - poa supina

A2 Grass and new path - 100 sqm
New path wrapping around Soft Play area.
Finished in cream tarmac to match other areas.
Turf to be species rich wild flower from Native Enriched or similar.
Ratio 85% flora & 15% non invasive grasses

A3 Linear scrub - 80 sqm
Existing vegetation to be tidied up and thereafter to be kept as unmaintained scrub.



HARD LANDSCAPE PLAN

- POROUS TARMAC - GREY
- TARMAC - FEATURE GREEN
- TARMAC - FEATURE CREAM
- NO DIG - GRAVEL SURFACE (PEA SHINGLE FILLED BODPAVE 40)
- DECKING
- STEPS FORMED OF BRICK ON EDGE & PAVING
- EXISTING SURFACE
- TIMBER SLEEPERS

Refer to Architect's drawings and specification for details of hard landscape

NOTES

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- Any information given regarding existing underground services is given in good faith after consultation with the relevant authority, however accuracy is not certain.

D	Minor amendments	14/02/2024
C	Minor amendments	05/02/2024
B	Minor amendments	22/11/2023
A	Original Issue	07/11/2023
Rev.	Amendments	Date



BRIGHT PLAN
Transport Planning and Civil Engineering Consultants
2 West Barn, Norton Lane, Chichester, West Sussex PO20 3AF
Tel: 01243 210418 Email: enquiries@bpcivils.co.uk
www.bpcivils.co.uk

Drawing Status: Draft

Client: Acorn Education and Care Ltd

Project: Hamilton Academy

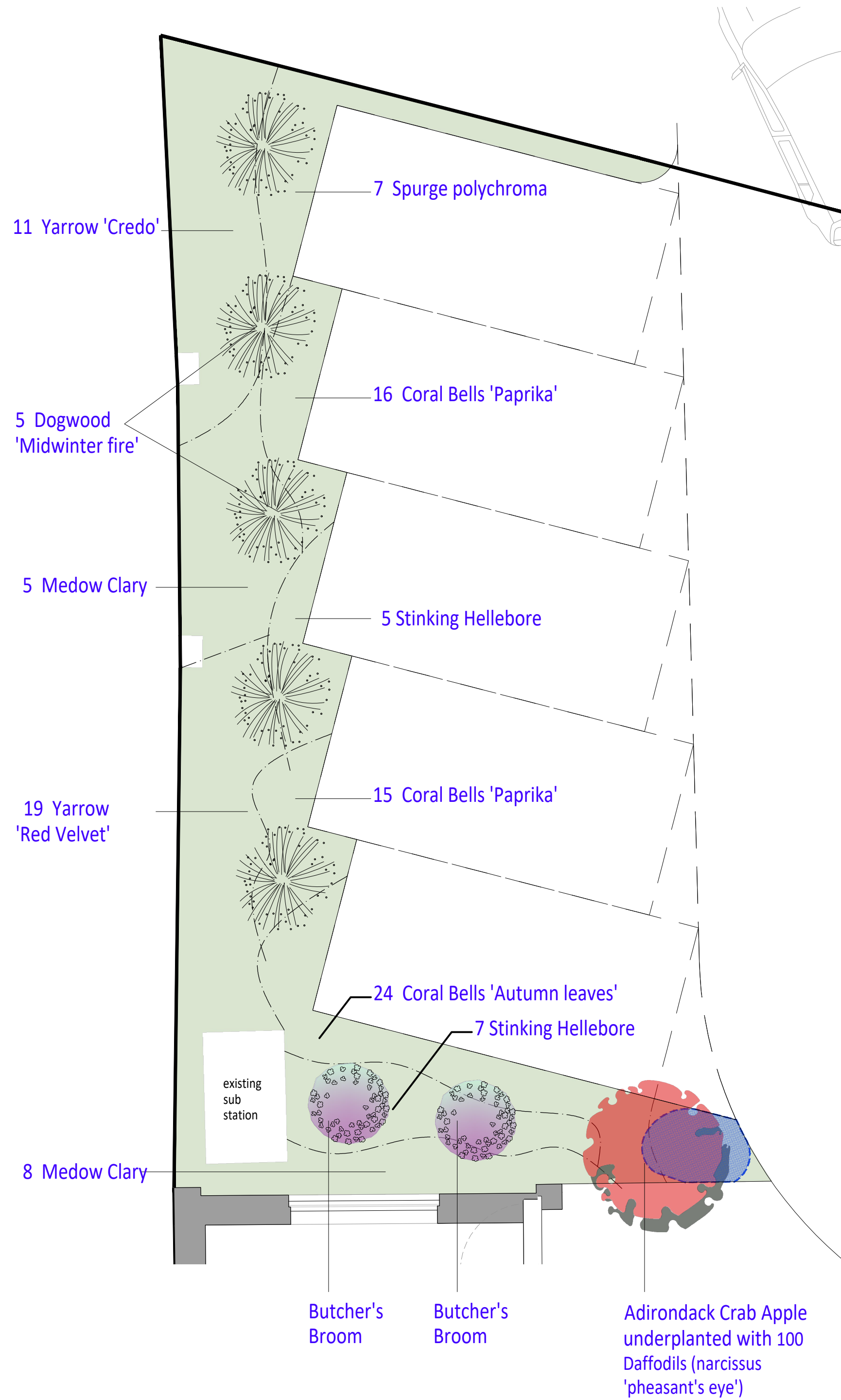
Drawing Title: Landscape Plan
Site Overview

Scale: 1:200 Date: Oct 23 Drawn By: OS Checked By: JLB

Drawing No: 2023-L6615-002 Rev: D



1:50 @ A1
1:100 @ A3



Suggested Perennials, grasses and shrubs



Wild Marjoram



Fleabane



Euphorbia caracas wulfenii



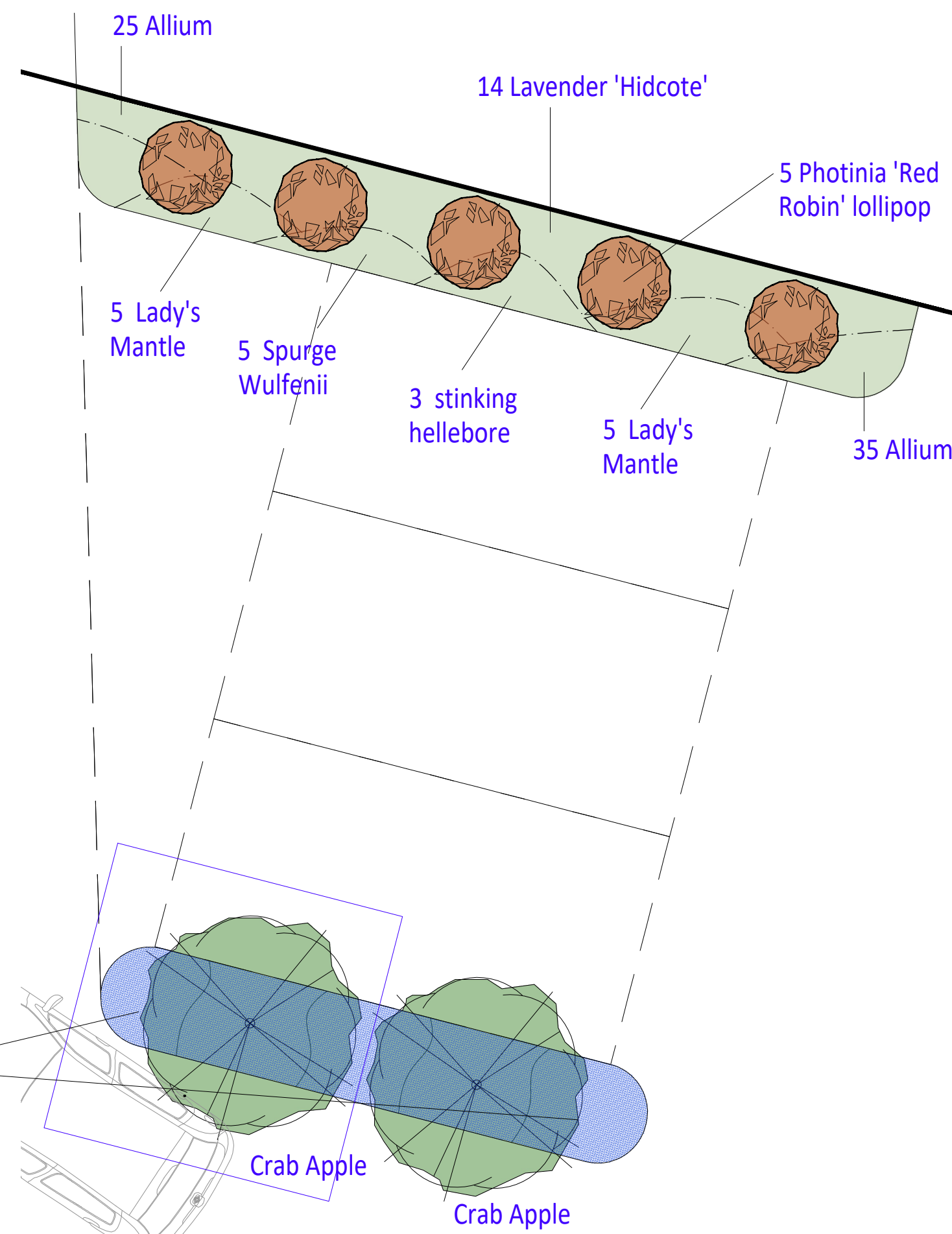
Daffodil 'Tete a tete'



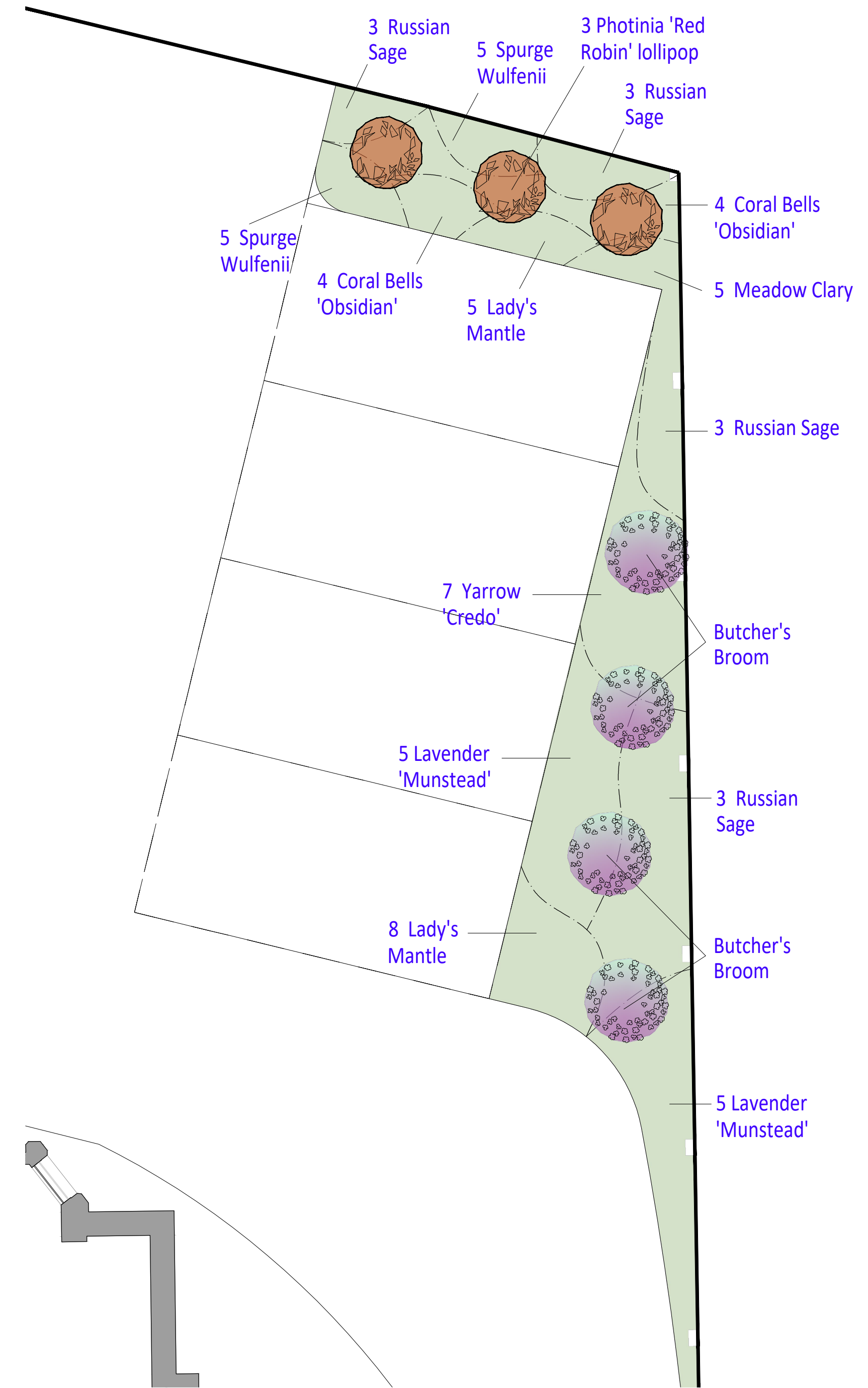
Russian sage



Yarrow



NOTE
Refer to Maintenance schedule for information about root management and pavement support systems.



NOTES

A1

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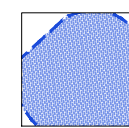
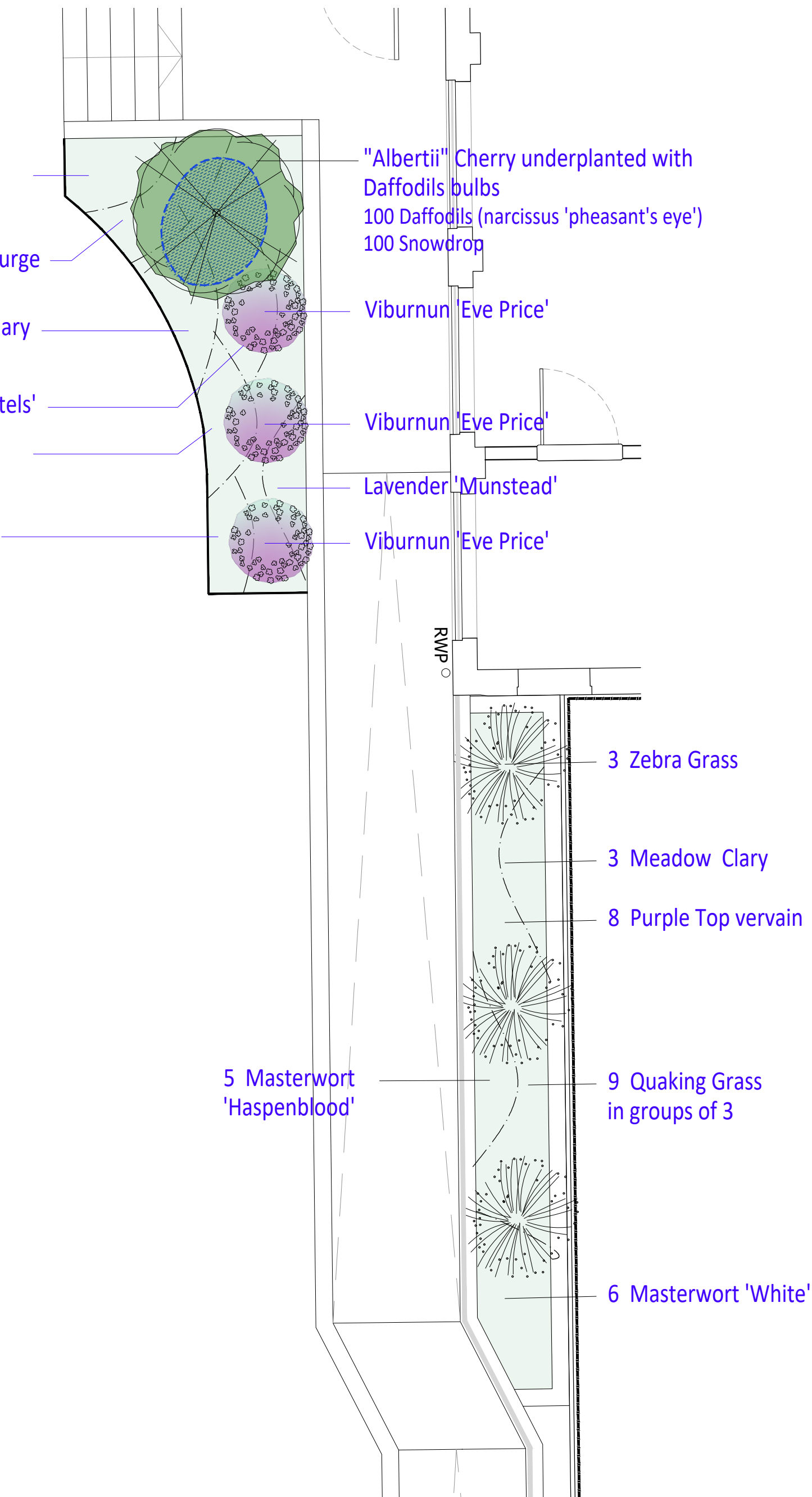
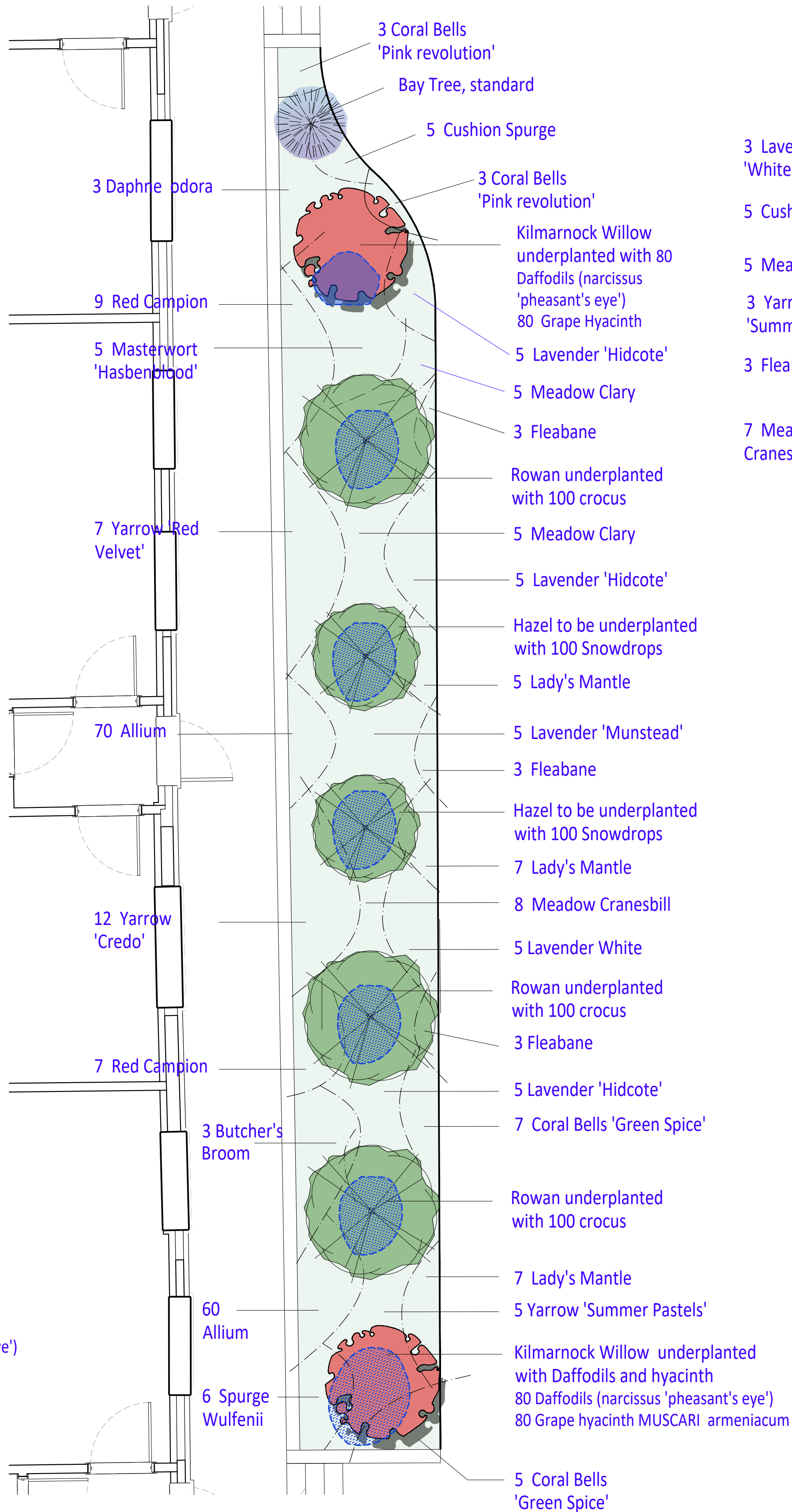
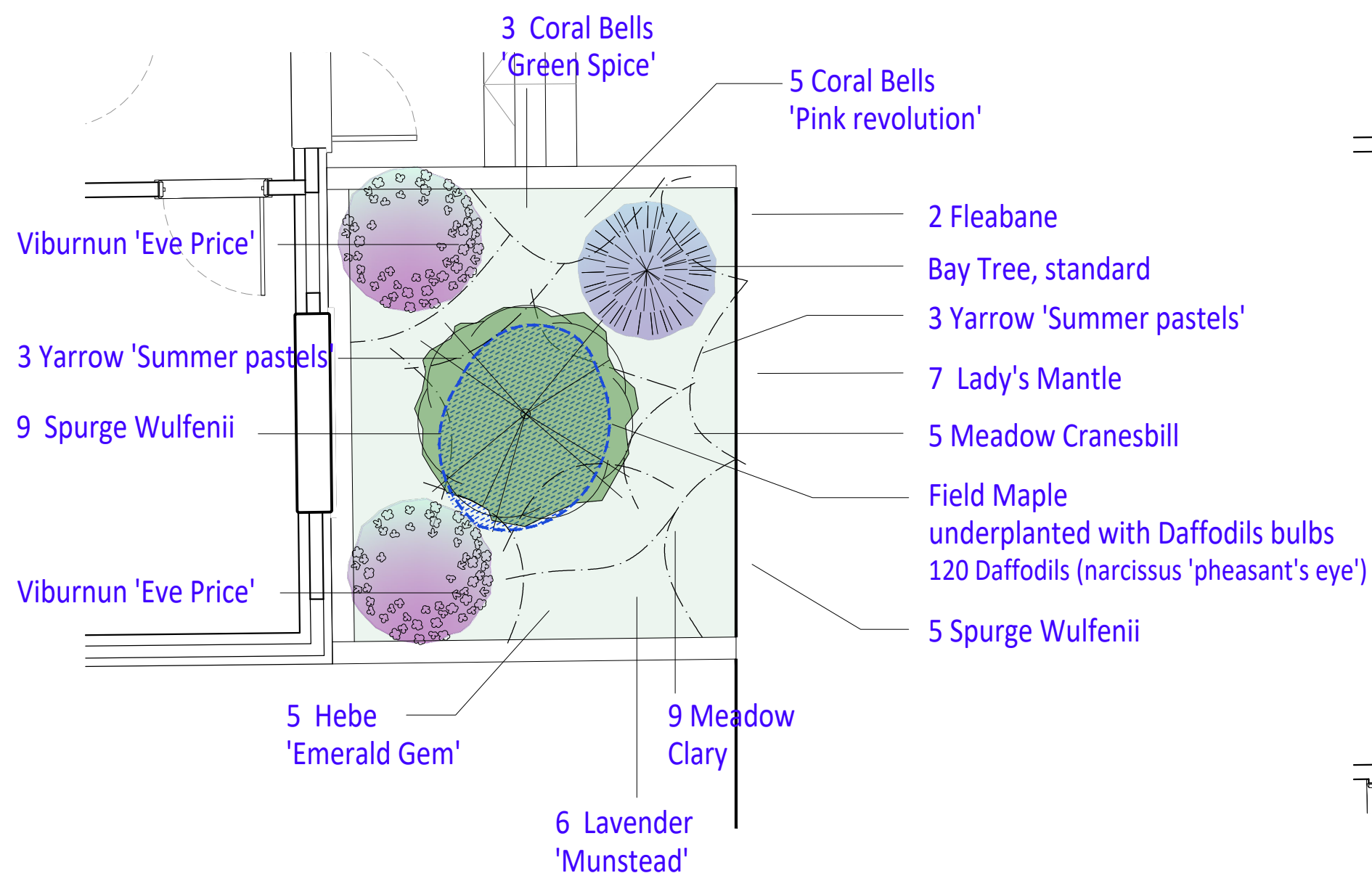
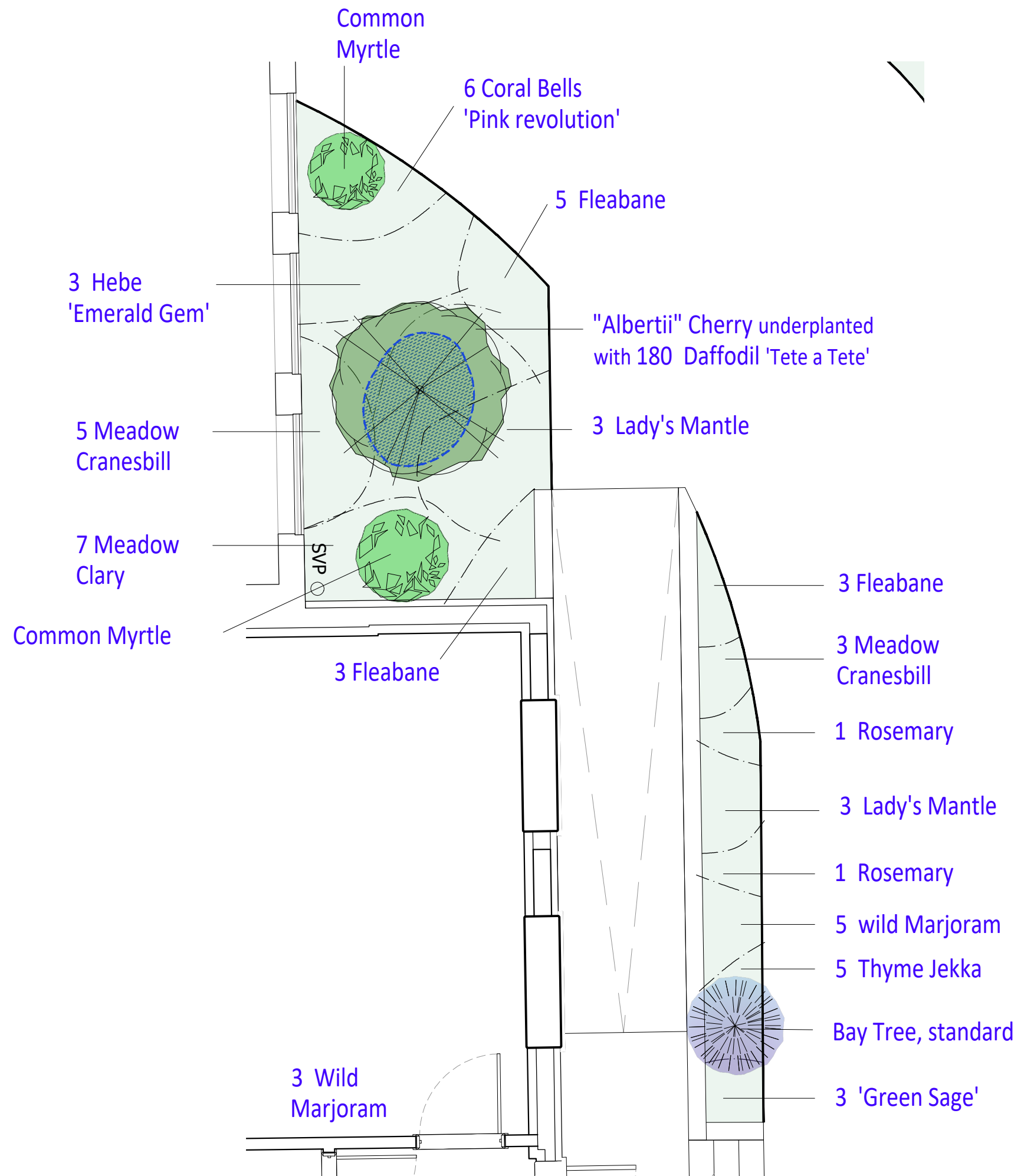
BRIGHT PLAN
Transport Planning and Civil Engineering Consultants
2 West Barn, Norton Lane, Chichester, West Sussex PO20 3AF
Tel: 01243 210419 Email: enquiries@bpcivils.co.uk
www.bpcivils.co.uk

Drawing Status	Draft		
Client	Acorn Education and Care Ltd		
Project	Hamilton Academy 40 Christchurch Road		
Drawing Title	Soft Landscape Plan Sheet 1 of 3		
Scale	Date	Drawn By	Checked By
1:50	Oct 23	OS	JLB
Drawing No.	2023-L6615-003		Rev.
		D	



1:50 @ A1
1:100 @ A3

0 1 2 3 4 5 m



Spring bulbs planted in select areas.

NOTE
Refer to Maintenance schedule for information about root management and pavement support systems.

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Transport Planning and Civil Engineering Consultants
2 West Barn, Norton Lane, Chichester, West Sussex PO20 3AF
Tel: 01243 210419 Email: enquiries@bpcivils.co.uk
www.bpcivils.co.uk

Drawing Status: **Draft**

Client: **Acorn Education and Care Ltd**

Project: **Hamilton Academy**

Drawing Title: **Soft Landscape Plan
Sheet 2 of 3**

Scale	Date	Drawn By	Checked By
1:50	Oct 23	OS	JLB

Drawing No.	Rev.
2023-L6615-004	D



1:100 @ A1
1:200 @ A3

0 1 2 3 4 5 6 7 8 9 10 m

A1 Grass - 339 sqm

Turf to be low maintenance, drought and shade tolerant. 100% supra / supranova - poa supina

Mulched zone around existing Beech and Oak trees
Indicative shape / size

T11
Purple B
B2

T12
Common Oak
C2



Kilmarnock Willow



Butcher's Broom



Photenia 'Red Robin'



Adirondack Crab apple



Bird Cherry



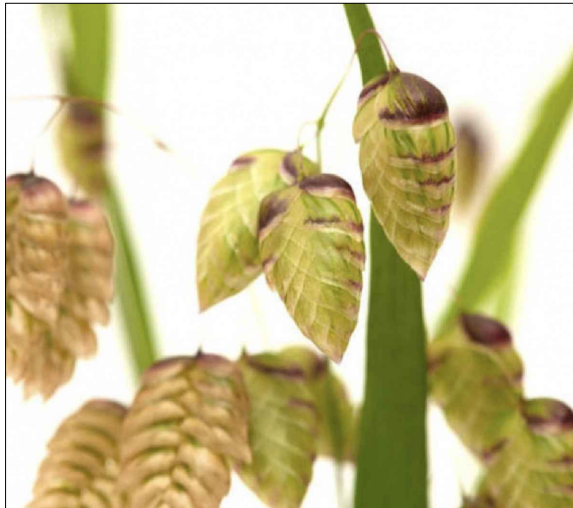
Field Maple



Bay Tree



Lavendula 'Hidcote'



Quaking grass



Hebe 'Emerald Gem'



Lady's mantle



Coral Bells 'Autumn Leaves'



Dogwood 'Midwinter Fire'

Suggested trees and shrubs



Daphne 'Odora'



Common Myrtle

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3. Do not scale, work to figured dimensions only. All dimensions are in millimeters unless noted otherwise and all levels are in metres from the topographic survey datum.
4. Any information given regarding existing underground services is given in good faith after consultation with the relevant authority, however accuracy is not certain.

D	Minor amendments	14/02/2024
C	Minor amendments	05/02/2024
B	Minor amendments	22/11/2023
A	Original Issue	07/11/2023
Rev.	Amendments	Date



BRIGHT PLAN
Transport Planning and Civil Engineering Consultants
2 West Barn, Norton Lane, Chichester, West Sussex PO20 3AF
Tel: 01243 210418 Email: enquiries@bpcivils.co.uk
www.bpcivils.co.uk

Drawing Status **Draft**

Client **Acorn Education and Care Ltd**

Project **Hamilton Academy**

Drawing Title **Soft Landscape Plan
Sheet 3 of 3**

Scale **1:50, 100** Date **Oct 23** Drawn By **OS** Checked By **JLB**

Drawing No. **2023-L6615-005** Rev. **D**



APPENDICES



Appendix A Planting Schedule

PLANTING SCHEDULE



Hamilton Academy, Reading
L6615

20/02/2024

Trees - Native / Specimen	Pot size / girth size	Density	Number
Location as indicated on drawings. Allow for underplanting Tree selected to suit Ecologist's recommendations.			
Acer campestre Field Maple	BR/5Lt pot 120-160cm Girth 6 - 8 cm	1.5/m2	1
Prunus padus "Albertii" columnar Bird Cherry	7.5 Lt pot 200 -250 cm Girth 6 - 8 cm	1.5/m2	2
Corylus avellana Hazel	BR/5Lt pot 120-150 cm Girth 6 - 8 cm	1/m2	2
Malus sylvestris Crab Apple	10Lt pot 175 -200 cm Girth 6 - 8 cm	1/m2	2
Malus "Admiration" Adirondack Crab Apple	12Lt pot 150 - 200 cm Girth 6 - 8 cm	1/m2	1
Salex caprea "Kilmarnock" (m) Kilmarnock Willow	12Lt pot grafted at 150cm 150 - 200cm Girth 6 - 8 cm	1/m2	2
Sorbus aucuparia Rowan	Bare Root 150-175 cm Girth 6 - 8 cm	1/m2	3

Trees Canopy Areas & Soil Volumes	Tree size category	Mature canopy area	Mature canopy area	Target Soil Volume	Target Soil Volume
Soil Volume and associated information calculated following GreenBlue Advice.	Greenblue urban - RHS				with 20% reduction
Acer campestre Field Maple	Medium	4-8m	38 sqm	21 cbm	Individual
Prunus padus "Albertii" columnar Bird Cherry	Small	4m	12.5 sqm	7.5 cbm	Individual

Corylus avellana Hazel	Small	ca 5m	20 sqm	12 cbm	9.6 cbm in group
Malus sylvestris Crab Apple	Small	ca 4m	13 sqm	8 cbm	6.5 cbm in group
Malus "Admiration" Adirondack Crab Apple	Small	4m	13 sqm	8 cbm	Individual
Salex caprea "Kilmarnock" (m) Kilmarnock Willow	Small	2.5m	5 sqm	3 cbm	2.4 cbm in group
Sorbus aucuparia Rowan	Medium	4-8m	28 sqm	17 cbm	13.5 cbm in group

Shrubs	Pot / Size	Density	Number
Shrubs to be evenly spread out within any landscape plot or strip, and always kept closer to the middle of bigger or wider beds.			
Cornus Sanguinea 'Midwinter Fire' Dogwood 'Midwinter Fire'	20lt pot 80-100 cm Bush	1/m2	5
Daphne odora 'Aureamarginata'. Daphne	1.5lt pot 40-50cm Bush	1/m2	3
Hebe 'Emerald Gem' Shrubby Veronica	9cm pot 20-30cm Bush	3/m2	8
Laurus nobilis Bay Tree	10 Lt pot 120 cm Standard	1/m2	3
Lavandula angustifolia 'Arctic Snow' Lavander 'Arctic Snow'	2Lt pot 30-40cm Bush	6/m2	8
Lavandula angustifolia 'Munstead' Lavander 'Munstead'	9cm pot 20-30cm Bush	9/m2	24
Lavandula angustifolia 'Hidcote' Lavander 'Hidcote'	9cm pot 20-30cm Bush	9/m2	29
Myrtis communis Common myrtle	10 Lt pot 40-60cm Bush	1/m2	2
Photinia fraseri Red Robin. Photinia Red Robin / Lollipop	15lt/1.2 - 1.3m Half Standard	1/m2	8

Rosmarinus officinalis. Rosemary	2lt pot 10-15cm Bush	5/m2	2
Ruscus aculeatus Butcher's Broom	3Lt pot 20-40cm Bush	1/m2	9
Viburnum Tinus 'Eve Price'. Viburnum 'Eve Price'	10Lt pot 60-80cm Bush	1/m2	5

Perennials	Pot / Size	Density	Number
Perennials to be planted in drifts within any landscaped areas. Drifts to be evenly distributed in a given bed with ca 3 plants in each drift. Lower height plants always to be placed in front of taller varieties.			
Alchemilla Mollis Lady's Mantle	9cm pot 20-30cm	4/m2	55
Achillea 'Credo' 'Yarrow 'Credo'	9cm pot 20-30cm	6/m2	30
Achillea millefolium 'Red Velvet' Yarrow 'Red Velvet'	9cm pot 20-30cm	6/m2	26
Achillea millefolium 'Summer Pastels' Yarrow 'Summer Pastels'	Bare Root	6/m2	11
Astrantia 'Snow Star' Masterwort White	Bare Root	5-7/m2	6
Astrantia major 'Haspenblood' Masterwort 'Haspenblood'	Bare Root	5-7/m2	10
Erigeron Karvinskianus Latin American Fleabane	2lt 20-30cm	5/m2	24
Euphorbia characias Wulfenii. Spurge wulfennii	9cm pot 20-30cm	5/m2	35
Euphorbia epithymoides. Cushion Spurge/ polychroma	9cm pot 20-30cm.	5/m2	17
Geranium pratense Meadow Cranesbill	9cm pot 10-20cm	5/m2	28
Hellebores foetidus Stinking Hellebore	2Lt. Pot 20-30cm.	5/m2	15
Heuchera 'Autumn Leaves'. Coral Bells 'Autumn Leaves'	9cm pot 20-25cm	15/m2	24
Heuchera 'Green Spice'. Coral Bells 'Green Spice'	9cm pot 20-30cm	9/m2	15
Heuchera micrantha 'Obsidian.' Coral Bells 'Obsidian'	9cm pot 20-30cm	9/m2	8
Heuchera 'Paprika' (PBR). Coral Bells 'Paprika'	9cm pot 20-30cm	6/m2	31

Heucherella'Pink Revolution'(Heupireo30'PBR) Coral Bells Pink Revolution	9cm pot 20-30cm	4/m2	17
Origanum vulgare Wild marjoram	9cm pot 10-20cm	4/m2	5
Perovskia 'Blue Spire'. Russian Sage	2lt pot 20-30cm	2/m2	12
Salvia pratensis Meadow Clary	9cm.pot 10-20cm	5/m2	52
Salvia officinalis 'Icterina'. Green Sage	1.5lt pot 10-20cm	6/m2	3
Silene dioica Red Campion	9cm.pot 10-20cm	5/m2	16
Thyme 'Jekka'. Thyme 'Jekka'	9cm pot 10-15cm	6/m2	5
Verbena bonariensis. Purple Top vervain	9cm pot 20-30cm	6/m2	8

Bulbs	Size	Density	Number
Galanthi to be planted in drifts of minimum of 60/ sqm Narcissi shall be planted in groups of minimum 10 / group.			
Allium spitatatum'Mount Everest' Allium	20 plus	25/m2	190
Crocus Thommasinianus'. Crocus	4/5cm	150/m2	400
Galanthus nivalis . Snowdrop	5/6cm	150/m2	300
Muscari armenicum. Grape Hyacinth	7/8cm	150/m2	280
Narcissus Poeticus var. recurvus 'Old Pheasant's eye' Daffodil Pheasant's eye	14/16cm	60/m2	380
Narcissus 'Tete-à-tête-à-tête' Daffodil 'Tête-à-tête '	12/14cm	60/m2	355

Grasses	Pot / Size	Density	Number
The Briza and Deschampsia to be treated as shrubs and to be planted as shown on drawings.			
Briza media Common Quaking Grass	2lt / 30-40cm	9/m2	9
Miscanthus sinensis'Zebrinus' Zebra Grass	5lt pot 30-50cm	2/m2	3



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Bright Plan Ltd – Transport Planning | Civil Engineering | Landscape Design

65 Chichester Enterprise Centre, Terminus Road, Chichester PO19 8FY

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T: 0333 3583270
www.bpcivils.co.uk



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