WEST DURRINGTON, NORTHERN SECTOR

Landscape Management Plan

JSL 3273 West Durrington Northern Sector Landscape Management Plan

JSL 3273_570F
Aug 2023

www.rpsgroup.com

Document Status

Version	Purpose of document	Authored by	Reviewed by	Approved by	Review date
-	Landscape Management Plan	Jacalyn Cunningham	Katie Hegmann	Craig Thompson	June 2019
A	Landscape Management Plan	Jacalyn Cunningham	Katie Hegmann	Craig Thompson	July 2019
B	Landscape Management Plan	Jacalyn Cunningham	Katie Hegmann	Craig Thompson	August 2019
C	Landscape Management Plan	Jacalyn Cunningham	Mark Wilson	Craig Thompson	April 2020
D	Landscape Management Plan	Jacalyn Cunningham	Mark Wilson	Craig Thompson	May2020
E	Landscape Management Plan	Jacalyn Cunningham	Mark Wilson	Craig Thompson	April 2021
F	Landscape Management Plan	Jacalyn Cunningham	Keith Whitmore	Mark Wilson	August 2023

Approval for issue

David Cox	*Dave Cox*	2021-04-19

This report was prepared by RPS Consulting Services Ltd ('RPS') within the terms of its engagement and in direct response to a scope of services. This report is strictly limited to the purpose and the facts and matters stated in it and does not apply directly or indirectly and must not be used for any other application, purpose, use or matter. In preparing the report, RPS may have relied upon information provided to it at the time by other parties. RPS accepts no responsibility as to the accuracy or completeness of information provided by those parties at the time of preparing the report. The report does not take into account any changes in information that may have occurred since the publication of the report. If the information relied upon is subsequently determined to be false, inaccurate or incomplete then it is possible that the observations and conclusions expressed in the report may have changed. RPS does not warrant the contents of this report and shall not assume any responsibility or liability for loss whatsoever to any third party caused by, related to or arising out of any use or reliance on the report howsoever. No part of this report, its attachments or appendices may be reproduced by any process without the written consent of RPS. All enquiries should be directed to RPS.

Prepared by:

RPS Consulting Services Ltd

Jacalyn Cunningham
Graduate Landscape Architect

Lakesbury House
Hiltingbury Road, Chandlers Ford
Hants SO53 5SS

T 023 8081 0440
E rpsso@rpsgroup.com

Prepared for:

Persimmon Homes, Thames Valley

Neal MacGregor
Senior Planner

Persimmon House
Knoll Road
Camberley
Surrey
GU15 3TQ

T 01276 808105
E Neal.macgregor@persimmonhomes.com

Contents

1 INTRODUCTION 1
2 LANDSCAPE OBJECTIVES 2
3 ZONING 3
4 LANDSCAPE ELEMENTS 4
5 WORKMANSHIP 7
6 RESPONSIBILITIES FOR MANAGEMENT 8
7 SCHEDULE OF MAINTENANCE 9
8 TYPICAL PROGRAMME OF OPERATIONS 13

Appendices

Appendix A Landscape Maintenance Schedule
Appendix B Landscape Management Zoning Plan
Appendix C Soft Landscape Plans and Schedule

1 INTRODUCTION

1.1 This report has been developed on behalf of Persimmon Homes Thames Valley to accompany the planning application for the proposed development at West Durrington Northern Sector. The report outlines the various soft landscape Zones and elements which will be created as part of this proposal and puts forward the necessary actions required for their ongoing maintenance and management.

1.2 The site lies within the settlement policy boundary identified in the Adopted Worthing Core Strategy (April 2011) as a potential future development area (PFDA) with granted outline Planning consent April 2012 (Worthing District Planning Ref: WB/11/0275/OUT). The proposal, located on the eastern section of the wider application, from hereinafter referred to as the 'Proposed Development' is for 120 dwellings and associated infrastructure, located off the A27.

1.3 This report supplements the proposed planting plans and accompanying schedules (appended for ease of reference) for the site by identifying the maintenance and management regimes necessary to achieve and maintain the long-term soft landscape objectives for the scheme.

1.4 The recommendations contained within this report shall be implemented post practical completion of all soft landscape areas to ensure the effective long-term management of the scheme.

2 LANDSCAPE OBJECTIVES

2.1 The soft landscape works referred to within this report are associated with the proposed residential development at West Durrington.

2.2 The broad design objectives of the soft landscape proposals are as follows.

- **Landscape Integration:** to provide an appropriate setting for the new development, responding to adjacent land uses where appropriate.
- **Landscape Amenity**: to respond to the scale and character of the site and enhance the resident, employee and visitor experience.
- **Biodiversity:** to protect, manage and enhance the nature conservation value of appropriate areas of the site.

3 ZONING

3.1 For the purposes of design, function, landscape treatment and management the site can be divided into 3 broad landscape zones. These are identified below, with their landscape objectives listed. The zones without demarcation will be conveyed to private residents who will manage the spaces accordingly, and do not form part of this management report. Refer to Appendix B Landscape Zone Plan

3.2 **Zone 1: Amenity and structure planting in communal spaces associated with residential and shared parking areas (managed by Private Management Company)**

Various tree, shrub, hedge and climbing shrub planting associated with the shared spaces located adjacent to residential apartments, strategic buffer and car parking areas. This is a varied palette of planting and existing buffer planting provides:-

- *General amenity*
- *Softening of boundaries*
- *Softening the street scene*
- *Visual screening*

3.3 **Zone 2: Amenity planting associated with Public Open Space areas (managed by Local Planning Authority/Private Management Company)**

Parkland tree, amenity planting and grass areas and species rich meadow / grassland within shared public open space, providing:-

- *General visual amenity*
- *Habitat for local wildlife*
- *Open space for general recreation*

3.4 **Zone 3: Amenity planting associated with adoptable Highway's areas (Managed by Highway Authority)**

Amenity grass areas adjacent and up to roadsides providing:

- *General amenity*

3.5 **Area H1: Amenity planting associated with area adjacent to The Hollies (See drawing JSL3273_213)**

Amenity planting and grass areas on edge of development:

- *Mown amenity grass*
- *Ornamental planting*
- *Native Hedge*
- *Standard native trees*

4 LANDSCAPE ELEMENTS

4.1 The various soft landscape elements within each zone are summarised below:

4.2 **Amenity and structure planting in communal spaces associated with residential and shared parking areas**

Various tree, shrub, hedge and climbing shrub planting associated with the shared spaces located next to residential apartments, houses and car parking areas. This is a varied palette of planting includes:-

- Domestic scale trees including flowering and fruit species;
- Formal hedge planting;
- Evergreen screen planting which includes deterrent type species;
- Evergreen shrub and herbaceous planting;
- Robust shrub planting in parking areas;
- Climbing shrubs adjacent to free standing walls/fences.

4.3 **Amenity planting associated with public open space**

- Feature tree planting;
- Bulb planting;
- Amenity and meadow grass areas;
- Buffer mix shrub planting;
- Mature existing trees.

4.4 **Amenity planting associated with adoptable Highway's areas**

- Amenity grass areas;
- Robust ground cover planting to verges

4.5 **Area H1 Amenity Planting associated with The Hollies**

- Amenity grass strip between native hedge and land conveyed to the Hollies
- Native Hedge with Standard trees dotted through and 1no feature Heavy Standard Tree
- Amenity grass between native hedge and garages and associated rear garden.

Performance Requirements

4.6 The performance requirements of these elements are detailed below:

General Amenity Grass

4.7 Grass species appropriate to the situation and intended maintenance regime to create an even, uniformly coloured sward to cover at least 95% of the relevant area and contain a maximum of 10% herb species.

4.8 Amenity grass areas shall be maintained at a height of 50-75mm.

Shrub and Herbaceous Planting

4.9 Ornamental shrubs and groundcover plants to cover 100% of the relevant area at Year 3 and maintained thereafter as necessary. The plants shall attain growth rates and form typical of the relevant species and shall not encroach upon or overhang footpaths or carriageways. Climbing shrubs should, with time, screen and soften free standing walls h where necessary formative training maybe required to ensure the shrubs adhere to these hard structures. Ornamental grass and herbaceous species to cover 100% of the relevant area at Year 2 and maintained thereafter as necessary.

Hedge Planting

4.10 Hedge planting to form a full, dense hedgerow at Year 3. With 100% coverage of the hedgeline, and no gaps present. Hedgerows, where adjacent to the highway shall be maintained at 600mm in height. Within hedgerows (where planted), formal topiary shrubs shall be clipped to maintain a formal habit.

4.11 Mixed native hedgerows / scrub shall be cut on a 3 year rotation with alternate sides cut in years 1 and topped and topped in year 3 to maintain an even shape and dense screen. Cutting shall only be carried out in the Autumn and outside bird nesting season and maintained at approximately 1.8m in height.

Individual Trees

4.12 Individual trees planted as specimens or in groups include ornamental and native species. At Year 3 they shall have established a single leader or multi stemmed habit where intended. They shall retain their lower branches unless a clear stem is required to avoid encroachment upon footpaths or carriageways.

4.13 They shall be maintained thereafter to develop and retain a well balanced crown, shape and character typical of the species.

Meadow and Wetland Grass

4.14 Grass species appropriate to the situation and intended maintenance regime to create an even, sward to cover at least 95% of the intended area and contain a minimum of 20% herb species.

4.15 Meadow grass shall be flailed annually after flowering to encourage diversity of species to a height of 50mm with all arising removed.

Area H1 between The Hollies and the development

4.16 Mown amenity grass species appropriate to the situation and intended maintenance regime to create an even, sward to cover at least 95%. Mown amenity grass shall be maintained at a height of 50-75mm

4.17 Native hedge planting to form a full, dense hedgerow at Year 3. With 100% coverage of the hedgeline, and no gaps present.

4.18 Native hedge shall be cut on an annual basis to form a tight compact hedge with an even shape and to form a dense screen. Hedge to be pruned twice a year sided and topped to a maximum height of 2m. Cutting shall only be carried out in the Autumn and outside bird nesting season and maintained at approximately 1.8m in height.

4.19 Individual trees planted within the hedge, at Year 3 they shall have established a single leader. A clear stem of at least 800mm is required to avoid encroachment on the hedge and should be maintained to delineate hedge from tree.

4.20 Native hedge planting to form a full, dense hedgerow at Year 3. With 100% coverage of the hedgeline, with no gaps.

4.21 In addition to clause 7.9 - Watering, in this LMP; additional focus is required on ensuring watering of planting in area H1 is carried out to minimise the risk of plant failure and establish screen planting as quickly as possible.

5 WORKMANSHIP

5.1 Where and to the extent that materials and workmanship are not fully specified they are to be:

a. Suitable for the purposes of the stated objectives;

b. In accordance with good horticultural practice or the current British Standard with particular reference to:

- BS 3998: Recommendations for tree work

BS 4428: Code of practice for general landscape operations

BS 7370: Grounds maintenance

Part 1: Recommendations for establishing and managing grounds maintenance organisations and for design considerations related to maintenance.

Part 2: Maintenance of hard areas.

Part 3: Maintenance of amenity and functional turf (other than sports turf).

Part 4: Maintenance of soft landscape (other than amenity turf).

6 RESPONSIBILITIES FOR MANAGEMENT

6.1 All maintenance and management of soft landscape areas within shared estate and public open spaces will be undertaken by a suitably qualified landscape management contractor on behalf of Persimmon Homes Thames Valley, following the end of the establishment period and satisfactory completion of any landscape defects or necessary reinstatement works.

6.2 The maintenance works shall be monitored and supervised by an independent, suitably qualified person; to whom will be responsible for the establishment and completion of the maintenance works. The appointed supervisor shall be a Chartered Member of the Landscape Institute (CMLI).

6.3 Areas for adoption by Private Management Company have been identified within drawing JSL3273_101 shown as;

6.4 All other areas shall be conveyed to private individual residences.

6.5 Periodically the landscape maintenance works shall be reviewed by a suitably qualified and experienced person to ensure that the landscape management operations are being completed in accordance with the approved report. During the first 2 years of establishment, the works shall be inspected 3 times (during the growing season) and thereafter the works shall be inspected annually.

7 SCHEDULE OF MAINTENANCE

7.1 The establishment and upkeep of the various soft landscape elements will entail the maintenance operations outlined below.

7.2 **Health & Safety:**

The contractor shall refer to the sites Health and Safety File for residual risks and ensure strict compliance to any health and safety measures set out. All maintenance operations shall only be carried out with due consideration to the welfare of the landscape maintenance operatives and members of the public. The contractor shall carry out his own risk assessment(s) as necessary to assess current conditions at the time of operation, including compliance when making use of any subcontractors to carry out specialist areas of works.

7.3 **General Amenity Grass:**

- Reseed and repair all areas which fail to establish or become damaged in the following planting season as required.
- Trim all edge areas to form neat, tidy edge to planted borders and hard surfaces.
- Generally mow established areas at regular intervals throughout the growing season to maintain a maximum sward height of 50mm; 75mm maximum. Spring flowering bulb planting shall be maintained within longer grass until flowering period has finished.
- Remove all arisings.
- Spot weed-killing to control coarse ruderal or pernicious weed species as necessary.
- Reseed/rejuvenate areas of poor establishment and thinning sward as required.

7.4 **Meadow areas:**

- Reseed and repair all areas which fail to establish or become damaged in the following planting season as required.
- Trim all edge areas to form neat, tidy edge to planted borders and hard surfaces.
- Strim once annually (in late summer / early autumn - once the wildflowers have flowered and seeded) to a sward height of 100mm. Spring flowering bulb planting shall be maintained within longer grass until flowering period has finished.
- Remove all arisings from site.
- Spot weed-killing to control coarse ruderal or pernicious weed species as necessary.
- Reseed/rejuvenate areas of poor establishment and thinning sward as required.

7.5 **Amenity Shrub and Groundcover Planting:**

- Maintain and top up mulch as necessary during establishment period or until canopy closes.
- Control weed growth as necessary by physical or mechanical means (use of chemicals only permitted with the prior approval of client).

- Remedial pruning as necessary during establishment period.
- Selective pruning to remove growth obstructing paths, carriageways, lighting, sightlines and ground floor windows or to rejuvenate planting as necessary.
- Pruning only as necessary to remove old wood, to encourage new growth or to encourage desirable ornamental features such as flowers, fruit, autumn colour, stem colour, etc.
- Pruning shall maintain natural growth and habit of the relevant shrub species.
- Replace any dead, dying or diseased plants in the following planting season with stock of similar specification to the original for the initial five year establishment period.

7.6 **Street, Parkland and Hedgerow Trees:**

- Check, adjust and replace tree support systems and tree grilles / guarding as necessary during establishment period.
- Remove redundant tree support systems once trees are fully established.
- Formative pruning as necessary to establish a well balanced and healthy crown appropriate to the species and purpose, along with the removal of any dead, dying or diseased timbers.
- Remedial pruning/tree surgery as necessary in accordance with BS:3998 or to remove growth obstructing paths, carriageways, lighting and signs.
- Replace any dead, dying or diseased plants in the following planting season with stock of similar specification to the original for the initial five year establishment period.

7.7 **Buffer mix planting areas:**

- Formative pruning as necessary to establish a dense screen / buffer.
- Selectively prune native planting and buffer planting as required where shrubs / trees start to encroach on dwellings and footpaths. Maintain a full planted screen at all times.
- Remedial pruning/tree surgery as necessary in accordance with BS:3998 or to remove growth obstructing paths, carriageways, lighting and signs.

7.8 **Plant Nutrition:**

- Apply plant nutrients / fertiliser to all planting only if poor growth and signs of deficiency appear subject to soil / leaf analysis and further advice. The use of any fertilisers shall be in strict accordance with the manufacturers recommendations.
- Do not apply fertilisers to meadow/ wildflower areas.

7.9 **Watering:**

- Watering shall only be carried out to maintain the health and continued vigour of the trees and shrubs until fully established. Water usage shall be controlled and monitored at all times to avoid waste.
- Areas which become prone to waterlogging shall be alleviated suitably, and / or drainage added as required.

7.10 **Pesticides Generally:**

- No pesticides shall be used except with the prior written approval of the client (or the management company). In such cases all pesticides shall be selected from the current list of approved chemicals and applied in strict accordance with the Control of Pesticide Regulations 1986 and other related Acts and Regulations.
- The approval of the Environment Agency will be required when applying a pesticide to or within 3m of any watercourse.
- Take appropriate action only if severe infestation occurs. If problem persists over a number of years, consider changing the plant species concerned to one less vulnerable to infestation.

7.11 **Leaf Fall:**

- At regular intervals during the autumn/winter months, remove fallen leaves from grass and paved areas.
- Leave fallen leaves in planting areas where they will form a natural mulch and humus layer. Only remove if they are likely to smother smaller plants.

7.12 **Mature existing trees:**

- To ensure all mature trees are in a safe and healthy condition all existing mature trees shall be inspected by a qualified and experienced arboriculturalist annually. All survey results shall be recorded and passed to the CA. Additional inspections shall be tasked after storms / periods of bad weather.
- Complete pruning / deadwooding as recommended by the above survey, all works to accord with BS3998:2010. DO NOT DISTURB NESTING BIRDS OR ROOSTING BATS.

7.13 **Litter Control:**

- Scavenging for and removing litter from all hard and soft areas at regular intervals.
- Frequency of litter control works to be fortnightly. After each litter control visit all hard and soft landscaped area to be completely litter free.

7.14 **Monitoring and Inspection:**

- Provide routine monitoring to ensure that operations are undertaken as programmed and to take appropriate action to deal with damage and debris arising from storms, flood events and heavy snowfall.
- Personnel completing inspections to be suitably qualified and experienced in monitoring landscape works (such as a Member of Landscape Institute).

7.15 **Timing of Operations - Nesting Birds:**

- It is an offence to disturb nesting wild birds and their nests under the Wildlife and Countryside Act 1981 (as amended).
- Avoid clearance, pruning and trimming operations during the bird nesting period, generally March to August inclusive. If operations have to take place during this time then

a qualified Ecologist shall check in advance that there are no birds nesting in the planned area of operation.

7.16 **Biosecurity:**

- The threat of pest and diseases that affect plant species it is widely recognised and all landscape practitioners have a responsibility in detecting, monitoring and controlling pests and diseases at every stage of a plants life from growing, specifying, handling, managing and destroying plants.
- Planting shall be sourced from local provenance and reputable suppliers with supporting paperwork provided at each stage to demonstrate an auditable supply chain should proof be requested. Provision will be made for substituting species with similar species which are of local provenance rather than specimens without details of source.
- Reference shall be made regularly to updates from DEFRA and the Forestry Commission with any recommendations or warnings strictly adhered to, to prevent further spread of disease.
- Good plant husbandry shall be implemented on site to prevent further spread of diseases particularly where symptoms or confirmed outbreaks of disease has occurred.

8 TYPICAL PROGRAMME OF OPERATIONS

ACTIVITY	J		F		M		A		M		J		J		A		S		O		N		D	
GRASS & MEADOW AREAS:																								
Mow grass																								
Strim meadow																								
Weed control																								
AMENITY SHRUB AND HEDGE PLANTING:																								
Maintain mulch																								
Weed control																								
Selective pruning																								
Hedge Clipping																								
Trim groundcover & climbers																								
Coppice (if required)																								
Watering (until establishment)																								
INDIVIDUAL TREES:																								
Check and adjust support																								
Formative pruning																								
Remedial pruning																								
LITTER CONTROL:																								
Collect litter																								
HARD AREAS:																								
Sweeping																								
Control moss/algae																								
Weed control																								
Ice and snow removal																								
LEAF FALL:																								
Clear fallen leaves																								
PLANT NUTRITION:																								
Apply fertiliser																								
PEST AND DISEASE CONTROL																								
Physical / Mechanical means																								
MONITORING AND INSPECTION:																								
Generally																								

ACTIVITY	J		F		M		A		M		J		J		A		S		O		N		D	
TIMING OF OPERATIONS:																								
Avoid nesting birds																								

Appendix A

Landscape Maintenance Schedule

	Landscape Element	*Maintenance Objectives*	*Maintenance Requirements*	*Reference*
01	Parkland, specimen trees	• Enhance visual amenity. • Reinforce site layout and legibility. • Enhancement of the site's microclimate. • Enhance biodiversity. • Provide habitat connectivity • Screening to the built form, including means of enclosure and other structures.	• Maintain a well-balanced crown, shape and character typical of the species, clear of any crossing or rubbing growth allowing a clear stem, 2m above ground level (retain if field tree feathered to ground). • Remove any dead, dying and damaged branches or growth obstructing pedestrian or vehicular routes (obtain advice from an ecologist regarding possible presence of bat roosts prior to undertaking work). • Check condition of stakes, ties and guys and replace broken or missing items until such a time as they become redundant. Adjust if necessary to allow for growth and prevent damage to bark. • Under take Pest and Disease Control using suitable pesticides or fungicides as advised, only if severe infestation occurs. • Maintain a weed free area at the base of all trees, 1m diameter mulch area for trees in grass or planting.	BS 3998: Recommendations for tree work The Arboricultural Association Standard Conditions of Contract and Specification for Tree Works Sept.
02	Multi-stem trees and specimen shrubs	• Enhance visual amenity. • Enhancement of the site's microclimate. • Enhance biodiversity. • Provide habitat connectivity • Screening to the built form, including means of enclosure and other structures.	• Maintain a well-balanced crown, shape and character typical of the multi-stem trees clear of any crossing or rubbing growth. • Remove any dead, dying and damaged branches (obtain advice from an ecologist regarding possible presence of bat roosts prior to undertaking work). • Check condition of stakes, ties and guys and replace broken or missing items until such a time as they become redundant. Adjust if necessary to allow for growth and prevent damage to bark. • Undertake Pest and Disease Control using suitable pesticides or fungicides as advised, only if severe infestation occurs. • Maintain a weed free area at the base of all trees, 1m diameter mulch area for trees in grass or planting.	BS 3998: Recommendations for tree work The Arboricultural Association Standard Conditions of Contract and Specification for Tree Works Sept.

	Landscape Element	*Maintenance Objectives*	*Maintenance Requirements*	*Reference*
03	Formal hedgerow	• Enhance visual amenity. • Enhance biodiversity. • Provide habitat connectivity • Integrate with surrounding landscape and character. • Screening to the built form, including means of enclosure and other structures. • Define differing areas and routes.	• Cut back once to twice per year outside bird breeding season (March to August inclusive) to a neat and consistent finish to maintain a dense screen and remove arising off site. • Clip to form a neat, compact hedgerow with a tapering top. Maintain at approx height of 0.9 - 1.2m. • Remove any dead, dying and damaged growth or growth obstructing pedestrian or vehicular routes outside of bird breeding season (March to August inclusive). • Check condition of stakes, ties, guys and shelters and replace broken or missing items until such a time as they become redundant. Adjust if necessary to allow for growth and prevent damage to bark. • Re-firm any plants that have been disturbed by adverse weather or interference. • Undertake pest control with approved pesticides in accordance with manufacturer's instructions in approved locations only. Do not use adjacent to play areas.	BS 4428: Code of practice for general landscape operations BS 7370-4: Grounds maintenance *Recommendations for maintenance of soft landscape*

	Landscape Element	*Maintenance Objectives*	*Maintenance Requirements*	*Reference*
04	Native hedgerow	• Enhance visual amenity. • Enhance biodiversity. • Provide habitat connectivity • Integrate with surrounding landscape and character • Screening to the built form, including means of enclosure and other structures. • Define differing areas and routes.	• Hedgerows that adjoin footpaths therefore likely to cause obstruction if growth is left unchecked should be cut back annually outside the bird breeding season (March to August inclusive) to a neat and consistent finish to maintain a vigour with all arisings removed off site. • All other native hedgerows on site are to be cut every 2-3 years (on rotation) to allow flowering and fruiting and the development of a structure of benefit to wildlife, outside the bird breeding season (March to August inclusive). Remove arisings off site. • Clip to form a neat, compact hedgerow with a tapering top. Maintain at approx height of 1.2 – 1.8m. • Remove any dead, dying and damaged growth or growth obstructing pedestrian or vehicular routes outside of bird breeding season (March to August inclusive). • Check condition of stakes, ties, guys and shelters and replace broken or missing items until such a time as they become redundant. Adjust if necessary to allow for growth and prevent damage to bark. • Re-firm any plants that have been disturbed by adverse weather or interference.	BS 4428: Code of practice for general landscape operations BS 7370-4: Grounds maintenance *Recommendations for maintenance of soft landscape*

	Landscape Element	*Maintenance Objectives*	*Maintenance Requirements*	*Reference*
05	Ornamental shrub and herbaceous planting	• Enhance visual amenity. • Create visual interest and articulation in the soft landscape. • Integrate with surrounding landscape features and character. • Physical relief to areas of hard landscaping for water runoff and drainage. • Enhance the site's microclimate. • Screening to the built form, including means of enclosure and other structures.	• Ensure all planted areas are as weed free as possible and at a minimum have less than 20% by area of weeds. Control weeds by the use of suitable herbicides; maintain levels of mulch and hand weeding in more prominent areas as required. • Fork over beds as necessary to eliminate any hollows or cambers, ensuring the depth of mulch is maintained. Redistribute mulch as necessary to maintain specified levels. • Check condition of stakes, ties and guys and replace broken or missing items until plant establish. Adjust if necessary to allow for growth and prevent damage to plants. • Cut back any damaged, dead or diseased branches to a healthy node or any growth obstructing adjacent areas of hard standing. • Remove any dead flowers/foliage at times appropriate to the species. • Refirm any plants that have been disturbed by adverse weather or interference. • Under take pest control with approved pesticides in accordance with manufacturer's instructions in approved locations only. Do not use adjacent to play areas. • Prune annually planting as required to maintain vigour and keep adjacent hard standing clear of overgrowing vegetation whilst maintaining the plants natural habit. DO NOT USE MECHANCIAL TOOLS. • Train climbing shrubs to walls / fences.	BS 4428: Code of practice for general landscape operations BS 7370-4: Grounds maintenance *Recommendations for maintenance of soft landscape*

	Landscape Element	Maintenance Objectives	Maintenance Requirements	Reference
06	Groundcover mix	• Enhance visual amenity. • Create visual interest and articulation in the soft landscape. • Integrate with surrounding landscape features and character. • Physical relief to areas of hard landscaping for water runoff and drainage. • Enhance the site's microclimate.	• Ensure all planted areas are as weed free as possible and at a minimum have less than 20% by area of weeds. Control weeds by the use of suitable herbicides; maintain levels of mulch and hand weeding in more prominent areas as required. • Fork over beds as necessary to eliminate any hollows or cambers, ensuring the depth of mulch is maintained. Redistribute mulch as necessary to maintain specified levels. • Cut back any damaged, dead or diseased branches to a healthy node or any growth obstructing adjacent areas of hard standing. • Remove any dead flowers/foliage at times appropriate to the species. • Re-firm any plants that have been disturbed by adverse weather or interference. • Under take pest control with approved pesticides in accordance with manufacturer's instructions in approved locations only. Do not use adjacent to play areas. • Prune annually planting as required to maintain vigour and keep adjacent hard standing clear of overgrowing vegetation whilst maintaining the plants natural habit.	BS 4428: Code of practice for general landscape operations BS 7370-4: Grounds maintenance *Recommendations for maintenance of soft landscape*

	Landscape Element	*Maintenance Objectives*	*Maintenance Requirements*	*Reference*
07	Wet and dry buffer mixes	• Enhance visual amenity. • Enhance biodiversity. • Provide habitat connectivity • Integrate with surrounding landscape and character.	• Remove any dead, dying and damaged branches or growth obstruction pedestrian or vehicular routes. • Check condition of stakes, ties, guys and shelters and replace broken or missing items until such a time as they become redundant. Adjust if necessary to allow for growth and prevent damage to bark. • Undertake Pest and Disease Control using suitable pesticides or fungicides as advised, only if severe infestation occurs. • Maintain a wood-free area at the base of all trees, 1m diameter mulch are for trees in grass or planting. • Undertake coppicing to selected species on a 5-year cycle or other specialist management operations as specified and leave all arisings on site, to provide dead wood habitat of benefit to wildlife • Undertake thinning between establishment and maturity unless trees have been planted at their final spacings. Thinning should be commenced when the outermost leaves of crowns are competing for light with leaves of neighbouring trees. • All works in woodlands should be undertaken between November and February to avoid impact on woodland nesting birds. However, when not carrying out works, avoid compacting ground during autumn/winter (wet woodland areas in particular).	BS 3998: Recommendations for tree work BS 7370-4: Grounds maintenance *Recommendations for maintenance of soft landscape* The Arboricultural Association Standard Conditions of Contract and Specification for Tree Works Sept.
08	Bulb Planting	• Enhance visual amenity.	• Remove dead flower leaves/stalks from bulbs in grass after at least 6 weeks to prevent loss of vigour through defoliation and remove all arisings of site. • Re-firm areas of bulb planting if they become disturbed. • Grass should be mown before the emergence of flowers or leaves of late-emerging species.	BS 7370-4: Grounds maintenance *Recommendations for maintenance of soft landscape*

	Landscape Element	Maintenance Objectives	Maintenance Requirements	Reference
09	Amenity grass	• Enhance visual amenity. • Integrate with surrounding landscape and character. • Provide easily accessible areas of short grass for the use of residents and employees, thereby reducing visitor pressure on species-rich grassland in remainder of site.	• Maintain all areas to a maximum height of 3cm during March / April and end of September / October or at times when grass exceeds 5cm. Remove all arisings off site or to an approved tip. • Cut a neat and consistent finish including edges, without rutting or scalping, ensuring adjacent areas of hard standing free are kept free of arisings. • Remove litter, rubbish and other debris from grassed areas prior to cutting. • Exercise extreme care when working in close proximity to existing/new trees and prevent damage to stems/trunks.	BS 7370-3: Grounds maintenance *Recommendations for maintenance of amenity and functional turf*

	Landscape Element	Maintenance Objectives	Maintenance Requirements	Reference
10	General meadow / Tussock grass	• Enhance visual amenity. • Integrate with surrounding landscape and character. • Enhance biodiversity. • Enhance bat foraging habitats across the site. • Maintain species rich diversity of grassland	• Cut grass annually by scythe or strimmer to a height of 5-7cm annually between late June and end of August after flowering. • Leave cut hay in situ for 1-7 days, turning occasionally to dry and allowing seeds to be shed, before removing all arisings off site or to approved tip. • Carry out additional cuts in Autumn or Spring as required to maintain grass at below 10cm in height. • Remove litter, rubbish and other debris from grassed areas prior to cutting. • Exercise extreme care when working in close proximity to existing/new trees and prevent damage to stems/trunks. • Exercise extreme care when working in close proximity to water's edge. • Do not apply organic or inorganic fertilisers. • Do not apply insecticides, herbicides or fungicides, as these can destroy valuable wildlife. The exception is herbicides for the control of specific problem weeds (i.e. nettle, spear thistle, creeping thistle, curled dock, broadleaved dock and ragwort) – herbicides for these species should be applied by weed wiper or spot treatment with a back-pack sprayer. • Do not plough, level or re-seed the grassland areas – if individual patches become bare, these can be re-seeded with the same species-rich seed mix as used originally. • Do not apply lime as this could affect the range of plants growing in the grassland. • Avoid compacting ground when wet use of hand-held strimmer where required to avoid trafficking of grass by machine.	BS 7370-5: Grounds maintenance *Recommendations for maintenance of water areas*

	Landscape Element	*Maintenance Objectives*	*Maintenance Requirements*	*Reference*
11	Swamp / marginal planting with shallow water/ledge	• Enhance visual amenity. • Integrate with surrounding landscape and character. • Ensure a balanced species mix without any domination of one species. • Enhance biodiversity.	• Maintain a third of pond surface area at all times by management of marginal and aquatic planting. • Thin colonising plant species to maintain a balanced planting structure • Remove excessive algal bloom as required to maintain a healthy water quality to support pond life • Avoid compacting ground when carrying out works. • Exercise extreme care when working in close proximity to existing/new trees and prevent damage to stems/trunks. • Exercise extreme care when working in close proximity to water's edge. • Do not apply organic or inorganic fertilisers. • Do not apply insecticides, herbicides or fungicides, as these can destroy valuable wildlife. The exception is herbicides for the control of specific problem weeds (i.e. nettle, spear thistle, creeping thistle, curled dock, broadleaved dock and ragwort) – herbicides for these species should be applied by weed wiper or spot treatment with a back-pack sprayer. • Do not apply lime as this could affect the range of plants growing in the vegetation and affect the quality of the adjacent water.	BS 7370-4: Grounds maintenance *Recommendations for maintenance of soft landscape*

	Landscape Element	Maintenance Objectives	Maintenance Requirements	Reference
12	Footpaths & street furniture	• Maintain all hard surfaces in a clean and safe state of use. • Keep all hard landscaped surfaces and items of street furniture clear of litter and graffiti. • Repair surfaces or street furniture items that are worn, damaged or vandalised.	• Keep all hard surfaces, footways and parking areas reasonably weed free at all times using integrated physical / mechanical measures. • Control moss and algae as necessary to maintain a clear route across all hard paved areas to avoid the risk of slipping in wet conditions. • Sweeping hard surfaces at regular intervals, at least four times per annum, to avoid a build up of grit and other debris. This will also assist with discouraging the growth of moss, algae and weeds. • Removal of snow and ice as directed by the adopting authority to maintain safe routes. • Keep all grass and paved areas free from fallen leaves at all times throughout the autumn/winter period. • Leave fallen leaves in planting areas where they will form a natural mulch and humus layer. Only remove if they are likely to smother smaller plants. • Remove litter from all hard and soft areas at regular intervals. Empty litter bins weekly. • Top up, level and roll to a firm finish any areas of worn or damaged gravel surfacing. Repair timber edgings where damaged. • Repair, refix and replace where necessary items of street furniture which are damaged, worn or vandalised. • Provide routine monitoring to ensure that operations are undertaken as programmed and to take appropriate action to deal with damage and debris arising from storms, flood events	BS 4428: Code of practice for general landscape operations BS 7370-1: Grounds maintenance *Recommendations for establishing and managing grounds maintenance organisations and for design considerations related to maintenance*. BS 7370-2: Grounds maintenance *Recommendations for maintenance of hard areas*

Landscape Element	Maintenance Objectives	Maintenance Requirements	Reference
		and heavy snowfall.	
13 Play Equipment	• Maintain all play facilities in a clean and safe state of use at all times. • Ensure facilities are fit for purpose and the intended age range. • Ensure equipment is being used appropriately	• Play equipment shall be regularly inspected to check for stability, decay, vandalism and any other forms of damage including safety surfacing associated with equipment. • **Hierarchy** The following inspection regime is recommended for children's playground and will be carried out by a RoSPA qualified organisation: • **Routine inspection** This looks at the equipment's basic condition, especially faults due to recent vandalism. Inspections may be carried out by the manager or his/her staff and should be recorded on a simple sheet or book. The equipment supplier should provide a checklist – RoSPA can produce checklists if required. Frequency will vary with the site and local usage although weekly should be seen as a minimum. • **Operational inspection** This looks in more detail at the equipment, essentially at vandalism and certain types of minor wear. Such inspections may be carried out by the manager or his/her staff and should be recorded. With a good, routine hands-on check linked to the annual inspection, the quarterly check may not be necessary. RoSPA publishes "Routine Inspection of Playgrounds" to assist with this inspection.	BS EN 1176: Playground Equipment and Surfacing. BS EN 1177: Impact Attenuating Playground Surfacing. BS 7188: Impact Absorbing Playground Surfaces

	Landscape Element	Maintenance Objectives	Maintenance Requirements	Reference
			• **Annual inspection** This should be carried out by a specialist not connected with the playground operator or manager. Essentially it looks at vandalism, minor and major wear, long-term structural problems, changes in Standard compliance and design practice, risk assessment etc. Such inspections are offered by insurance companies, playground equipment manufacturers, commercial companies and safety organisations, such as RoSPA. Organisations should be checked to ensure their inspections are acceptable to insurance companies and suitable professional indemnity (at least £5 million) is carried. • Should equipment or safety surfacing be noted as being damaged or unfit for purpose the item should be securely fenced off until suitable remedial works can be completed.	
14	Ecological features	• Enhance opportunities for foraging fauna, including bats, reptiles, invertebrates and amphibians. • Provide mitigation for the loss of habitat as part of the development. • Comply with Statutory obligations (e.g. Protected Species Licences). • Enhance biodiversity	• Check bat & bird boxes, hibernacula and deadwood piles for vandalism and general condition. Ensure that features fitted to existing trees are well connected and in safe condition. • Top up or create new deadwood and grass clipping hibernacula.	Wildlife and Countryside Act 1981 as amended

	Landscape Element	Maintenance Objectives	Maintenance Requirements	Reference
15	Pesticides, Insecticides and Fungicides	• Limit use of pesticides, insecticides and fungicides, unless absolutely essential. • Do not use within native planting areas	• Allow for only pest control by spraying with a suitable approved pesticide in cases of bad insect and pest infestation. • All spraying must be carried out in accordance with manufacturers written recommendations. • All damage that occurs, as a result of spraying, shall be made good at the Contractor's own cost. • No Insecticides, Fungicides or Pesticides shall be used except with the prior written approval of the managing authority. In such cases all pesticides shall be selected from the current list of approved chemicals and applied in strict accordance with the Control of Pesticide Regulations 1986 and other related Acts and Regulations. • The approval of the Environment Agency will be required when applying a pesticide to or within 3m of any watercourse. • Take appropriate action only if severe infestation occurs. If problem persists over a number of years, consider changing the plant species concerned to one less vulnerable to infestation.	Control of Pesticide Regulations (COPR) Plant Protection Regs Control of Substances Hazardous to Health (COSHH) BASIS (the registration, standards and certification scheme for pesticides and fertilisers) BS 4428: Code of practice for general landscape operations BS 7370-4: Grounds maintenance *Recommendations for maintenance of soft landscape*

	Landscape Element	Maintenance Objectives	Maintenance Requirements	Reference
16	Existing retained trees and Tree Groups	• Maintain all trees in a safe and structurally sound condition. • Maintain and enhance visual amenity. • Integrate with surrounding landscape and character. • Enhance biodiversity. • Provide habitat connectivity	• Existing tree structure to be allowed to grow out naturally. • Monitor health and condition of trees on a regular basis to identify any health and safety issues. • Periodically inspect all existing trees, surveying them for general health, vigour and structural stability. • In public areas where risk of injury or damage is heightened, complete necessary works to existing trees to maintain their health and structural stability. • Carry out any remedial pruning and/or general tree works in accordance with BS:3998 • Prior to any works taking place presence of breeding birds, bats and bat roosting potential shall be reviewed by a suitably qualified and experienced person. • Seek written approval from the LPA prior to carrying out any work to trees covered any Tree Preservation Orders. • Leave areas of large cut lumber on site in piles in managed locations for habitat creation and biodiversity.	BS 3998: Recommendations for tree work The Arboricultural Association Standard Conditions of Contract and Specification for Tree Works Sept. Wildlife and Countryside Act 1981 as amended

Appendix B

Landscape Management Zoning Plan JSL3273_101 (as amended)

© 2019 RPS Group

Notes

1. This drawing has been prepared in accordance with the scope of RPS's appointment with its client and is subject to the terms and conditions of that appointment. RPS accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided.
2. If received electronically it is the recipients responsibility to print to correct scale. Only written dimensions should be used.
3. Where applicable Ordnance Survey (c) Crown Copyright 2019 All rights reserved. Licence number 0100031673

KEY

- Amenity Planting Associated with Adoptable Highway Areas
- Amenity and Structure Planting in Communal Spaces Associated with Residential and Shared Parking Areas
- Amenity Planting Associated with Public Open Space Area

Rev	Description	By	CB	Date
D	Revised to new layout and new scale 1:250	DA	MW	
C	Revised to new layout	DA	MW	
B	Amended to red line	JC	KH	
A	Revised to new layout	JC	KH	

RPS MAKING COMPLEX EASY

Lakesbury House, Hilltingbury Road, Chandlers Ford, Hampshire SO53 5SS

T: 02380 810 440 E: rpsso@rpsgroup.com

Client: Persimmon Homes Thames Valley

Project: West Durrington Northern Sector

Title: Landscape Management Zoning Plan

Status	Drawn By	PM/Checked by
For Planning	DA	MW

Job Ref	Scale @ A0	Date Created
JSL3273	1:250	May 20

RPS Drawing / Figure Number: 101

Rev: D

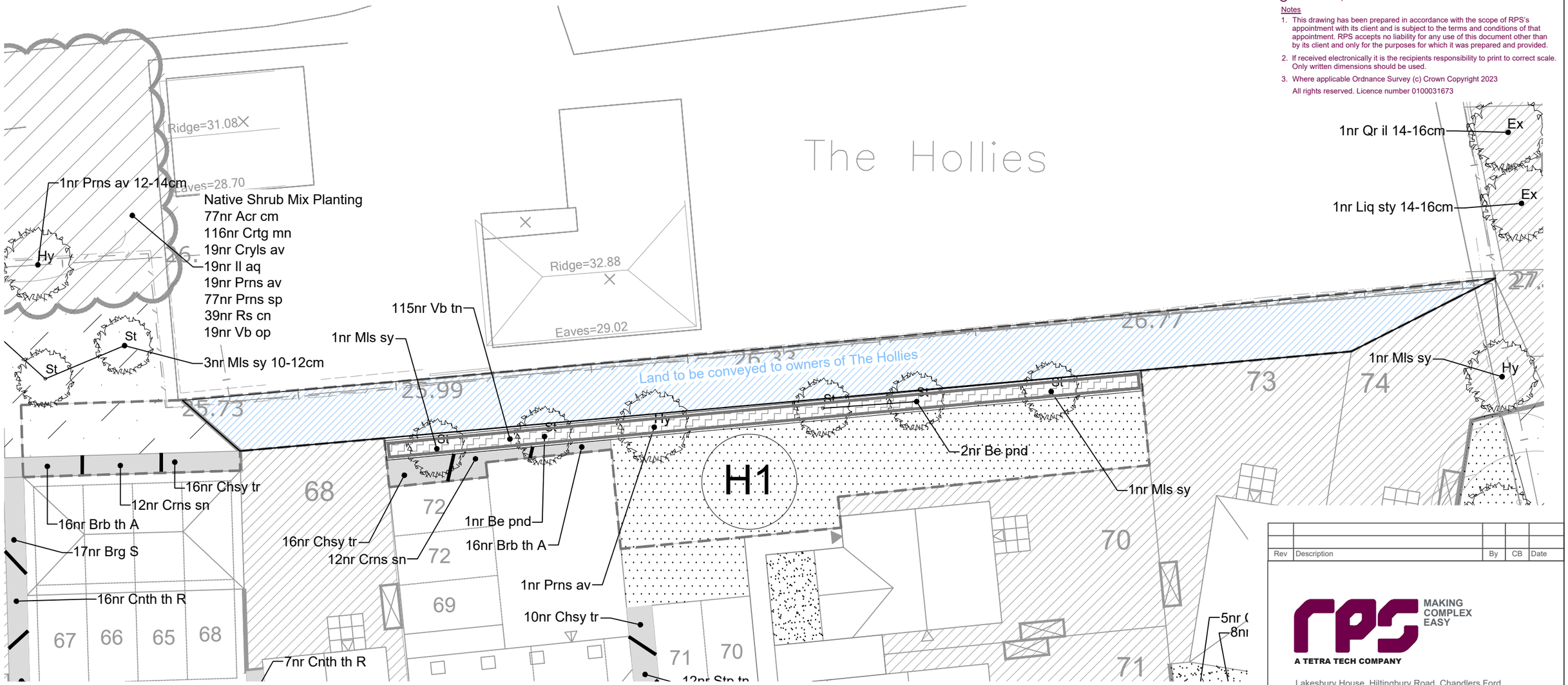
rpsgroup.com

© 2023 RPS Group

Notes

1. This drawing has been prepared in accordance with the scope of RPS's appointment with its client and is subject to the terms and conditions of that appointment. RPS accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided.
2. If received electronically it is the recipients responsibility to print to correct scale. Only written dimensions should be used.
3. Where applicable Ordnance Survey (c) Crown Copyright 2023

All rights reserved. Licence number 0100031673



KEY

SOFT LANDSCAPE

Existing features

- TREES — To be retained and protected
- VEGETATION — To be retained and protected

Proposed elements

- SEMI-MATURE TREE (18-20cm girth)
- EXTRA HEAVY STANDARD TREE (14-18cm girth)
- HEAVY STANDARD TREE (12-14cm girth)
- STANDARD TREE (10-12cm girth)
- MULTI-STEMMED TREE (2.5 - 3.0m high)
- ORNAMENTAL AMENITY SHRUB PLANTING
- GROUNDCOVER PLANTING
- NATIVE SHRUB MIX PLANTING
- NATIVE HEDGE
- ORNAMENTAL HEDGE
- SCREEN SHRUB MIX
- MOWN AMENITY GRASS
- PRIVATE LAWN
- REAR GARDEN AREAS
- GENERAL MEADOW AREA
- TUSSOCK GRASS AREA
- CLIMBING SHRUB
- SPECIMEN SHRUB In shrub border
- BULB PLANTING

0 — 15m

N

Rev	Description	By	CB	Date

MAKING COMPLEX EASY
A TETRA TECH COMPANY

Lakesbury House, Hiltingbury Road, Chandlers Ford, Hampshire SO53 5SS
T: 02380 810 440 **E:** rpsso@rpsgroup.com

Client: Persimmon Homes Thames Valley

Project: West Durrington Northern Sector

Title: Area H1 treatment

Status	Drawn By	PM/Checked by
Information	SH	DC

Job Ref	Scale @ A3	Date Created
JSL3273	1:200	April 23

RPS Drawing / Figure Number: 213

Rev: -

rpsgroup.com

P:\3200 Series\JSL3273 - West Durrington North Pers\Tech\Acad\Current\JSL3273_500O.dwg

Appendix C

Soft Landscape Plan JSL3253_501-503 (as amended)

Plant Schedule JSL3273_550 (as amended)

© 2020 RPS Group

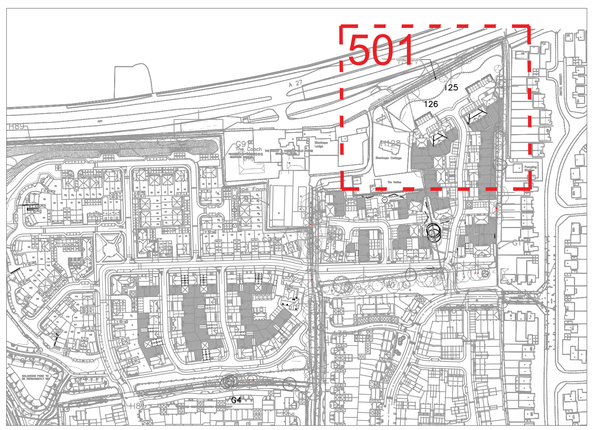
Notes

1. This drawing has been prepared in accordance with the scope of RPS's appointment with its client and is subject to the terms and conditions of that appointment. RPS accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided.
2. If received electronically it is the recipients responsibility to print to correct scale. Only written dimensions should be used.
3. Where applicable Ordnance Survey (c) Crown Copyright 2020
   All rights reserved. Licence number 0100031673

Potential connection via footbridge to PROW over road.
Exact location to be determined.

Native Shrub Mix Planting
277nr Acr cm
415nr Crtg mn
69nr Cryls av
69nr Il aq
69nr Prns av
277nr Prns sp
138nr Rs cn
69nr Vb op

3nr Fgs sy 12-14cm
3nr Acr cm 10-12cm
1nr Be pnd 12-14cm
1nr Be pnd
Tynaarlo Mix
26nr Chndx fr
57nr Cr tms WP
11nr Nrc DM
26nr Psch sc
11nr Tu fs
3nr Acr cm 10-12cm
3nr Ulm NH 12-14cm
Tynaarlo Mix
27nr Chndx fr
61nr Cr tms WP
12nr Nrc DM
27nr Psch sc
12nr Tu fs
2nr Prns av 12-14cm
1nr Be ut 200-300cm
3nr Be pb 12-14cm
5nr Ulm NH 12-14cm
Native Hedge Mix
26nr Acr cm
31nr Crtg mn
31nr Cryls av
21nr Vb tn
11nr Vb tn
Tynaarlo Mix
30nr Chndx fr
66nr Cr tms WP
17nr Nrc DM
39nr Psch sc
17nr Tu fs
Native Hedge Mix
37nr Acr cm
43nr Crtg mn
43nr Cryls av
2nr Acr cm
39nr Vb tn
Native Shrub Mix Planting
13nr Acr cm
20nr Crtg mn
3nr Cryls av
3nr Il aq
3nr Prns av
13nr Prns sp
7nr Rs cn
3nr Vb op
3nr Fgs sy 14-16cm
Tynaarlo Mix
22nr Chndx fr
49nr Cr tms WP
10nr Nrc DM
22nr Psch sc
10nr Tu fs
1nr Be ut 200-300cm
1nr Qr ro
2nr Acr grs 250-300cm
Groundcover Mix A
13nr Dryp fi
13nr Grn mcr
13nr Lit sy
13nr Prsc affris S
25nr Src hm
24nr Pch tr
12nr Fts jp
23nr Crx bch
1nr Acr grs 250-300cm
9nr Grn JB
15nr Pch tr
7nr Vb dv
7nr Acr cm 10-12cm
3nr Be pb 12-14cm
Native Hedge Mix
52nr Acr cm
61nr Crtg mn
61nr Cryls av
9nr Src hm
18nr Brgn A
12nr Vb dv
11nr Hb pn P
11nr Crx mr AV
9nr Src hm
10nr Src hm
18nr Eny er RC
19nr Hb pn P
1nr Phrm PB
18nr Eny fr SQ
13nr Chsy tr
12nr Hb rk
9nr Hb rk
15nr Chsy tr
12nr Eny ft GS
1nr Cdns cg A
2nr Phrm PB
2nr Prth hn
3nr Prns av 12-14cm
24nr Eny ft GS
22nr Eny ft GS
16nr Eny ft GS
18nr Eny ft GS
3nr Prth hn
11nr Stp tn
13nr Crx mr AV
11nr Mhn jp
14nr Plmnr HC
1nr Srbs ac 10-12cm
20nr Hchr BB
10nr Fts jp
15nr Chsy tr
15nr Mhn jp
21nr Plmnr HC
9nr Hchr LR
8nr Lvn an H
6nr Csts crb
17nr Chsy tr
16nr Clmg ar KF
22nr Clmg ar KF
23nr Ptt tn AG
25nr Pyrc OG
18nr Crns sn
32nr Prns lauro OL
2nr Srbs ac 10-12cm
23nr Lvn an H
11nr Lnc pl
19nr Mhn jp
14nr Chsy tr
20nr Pch tr
16nr Chsy tr
9nr Grn JB
12nr Chsy tr
9nr Grn JB
12nr Hb pn P
12nr Ptt tn AG
7nr Ptt tn AG
13nr Lvn an H
30nr Ptt tn AG
3nr Acr cm 14-16cm
22nr Lnc pl
1nr Acr cm 14-16cm
12nr Hb pn P
13nr Ptt tn AG
30nr Ctnst dm
40nr Ptt tn AG
13nr Ptt tn AG
7nr Ptt tn AG
14nr Ptt tn AG
Groundcover Mix B
14nr Cnth th R
14nr Grn en WP
19nr Lnc pl
1nr Liq sty 14-16cm
13nr Ptt tn AG
6nr Hb rk
8nr Csts crb
1nr Qr il 14-16cm
Native Shrub Mix Planting
76nr Acr cm
113nr Crtg mn
19nr Cryls av
19nr Il aq
19nr Prns av
76nr Prns sp
38nr Rs cn
19nr Vb op



KEY

SOFT LANDSCAPE

Existing features

- TREES — To be retained and protected
- VEGETATION — To be retained and protected

Proposed elements

- SEMI-MATURE TREE (18-20cm girth)
- EXTRA HEAVY STANDARD TREE (14-18cm girth)
- HEAVY STANDARD TREE (12-14cm girth)
- STANDARD TREE (10-12cm girth)
- MULTI-STEMMED TREE (2.5 - 3.0m high)
- ORNAMENTAL AMENITY SHRUB PLANTING
- GROUNDCOVER PLANTING
- NATIVE SHRUB MIX PLANTING
- NATIVE HEDGE
- ORNAMENTAL HEDGE
- SCREEN SHRUB MIX
- MOWN AMENITY GRASS
- PRIVATE LAWN
- REAR GARDEN AREAS
- GENERAL MEADOW AREA
- TUSSOCK GRASS AREA
- CLIMBING SHRUB
- SPECIMEN SHRUB In shrub border
- BULB PLANTING

I	Revised to footpaths		NJ	11/21
H	Revised to new layout - Rev 31	JRL	NJ	07/21
G	Revised to new layout	JRL	NJ	06/21

MAKING COMPLEX EASY

Lakesbury House, Hiltingbury Road, Chandlers Ford, Hampshire SO53 5SS

T: 02380 810 440 **E:** rpsso@rpsgroup.com

Client: Persimmon Homes Thames Valley

Project: West Durrington Northern Sector

Title: Soft Landscape Proposal Sheet 1 of 3

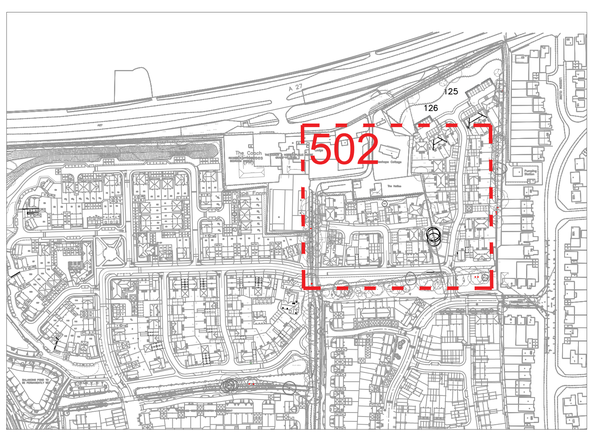
Status	Drawn By	PM/Checked by
Tender	JC	DC/KH

Job Ref	Scale @ A1	Date Created
JSL3273	1:250	May 2019

RPS Drawing / Figure Number: 501

Rev: I

rpsgroup.com



© 2020 RPS Group

Notes

1. This drawing has been prepared in accordance with the scope of RPS's appointment with its client and is subject to the terms and conditions of that appointment. RPS accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided.
2. If received electronically it is the recipients responsibility to print to correct scale. Only written dimensions should be used.
3. Where applicable Ordnance Survey (c) Crown Copyright 2020
All rights reserved. Licence number 0100031673

KEY

SOFT LANDSCAPE

Existing features

- TREES — To be retained and protected
- VEGETATION — To be retained and protected

Proposed elements

- SEMI-MATURE TREE (18-20cm girth)
- EXTRA HEAVY STANDARD TREE (14-18cm girth)
- HEAVY STANDARD TREE (12-14cm girth)
- STANDARD TREE (10-12cm girth)
- MULTI-STEMMED TREE (2.5 - 3.0m high)
- ORNAMENTAL AMENITY SHRUB PLANTING
- GROUNDCOVER PLANTING
- NATIVE SHRUB MIX PLANTING
- NATIVE HEDGE
- ORNAMENTAL HEDGE
- SCREEN SHRUB MIX
- MOWN AMENITY GRASS
- PRIVATE LAWN
- REAR GARDEN AREAS
- GENERAL MEADOW AREA
- TUSSOCK GRASS AREA
- CLIMBING SHRUB
- SPECIMEN SHRUB In shrub border
- BULB PLANTING

L	Revised Layout: Plot 86, relocated parking bays	JRL	NJ	03 /22
K	Revised to footpaths		NJ	11/21
J	Landscape Amends to Area H1	JRL	NJ	10/21
I	Area H1 indicated at LPA request - PHTV amends	JM	PHTV	07/21

MAKING COMPLEX EASY

Lakesbury House, Hiltingbury Road, Chandlers Ford, Hampshire SO53 5SS

T: 02380 810 440 **E:** rpsso@rpsgroup.com

Client: Persimmon Homes Thames Valley

Project: West Durrington Northern Sector

Title: Soft Landscape Proposal Sheet 2 of 3

Status	Drawn By	PM/Checked by
Tender	JC	DC/KH

Job Ref	Scale @ A1	Date Created
JSL3273	1:250	May 2019

RPS Drawing / Figure Number: 502

Rev: L

rpsgroup.com

© 2020 RPS Group

Notes

1. This drawing has been prepared in accordance with the scope of RPS's appointment with its client and is subject to the terms and conditions of that appointment. RPS accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided.
2. If received electronically it is the recipients responsibility to print to correct scale. Only written dimensions should be used.
3. Where applicable Ordnance Survey (c) Crown Copyright 2020

All rights reserved. Licence number 0100031673

KEY

SOFT LANDSCAPE

Existing features

- TREES — To be retained and protected
- VEGETATION — To be retained and protected

Proposed elements

- SEMI-MATURE TREE (18-20cm girth)
- EXTRA HEAVY STANDARD TREE (14-18cm girth)
- HEAVY STANDARD TREE (12-14cm girth)
- STANDARD TREE (10-12cm girth)
- MULTI-STEMMED TREE (2.5 - 3.0m high)
- ORNAMENTAL AMENITY SHRUB PLANTING
- GROUNDCOVER PLANTING
- NATIVE SHRUB MIX PLANTING
- NATIVE HEDGE
- ORNAMENTAL HEDGE
- SCREEN SHRUB MIX
- MOWN AMENITY GRASS
- PRIVATE LAWN
- REAR GARDEN AREAS
- GENERAL MEADOW AREA
- TUSSOCK GRASS AREA
- CLIMBING SHRUB
- SPECIMEN SHRUB In shrub border
- BULB PLANTING

Rev	Description	By	CB	Date
L	Missing plant labels added	SH	NJ	10/22
K	Plot 36 rear garden ammended	SH	DC	04/22
J	Revised to footpaths		NJ	11/21
H	Revised to new layout - Rev 31	JRL	NJ	07/21

MAKING COMPLEX EASY

Lakesbury House, Hiltingbury Road, Chandlers Ford, Hampshire SO53 5SS

T: 02380 810 440 **E:** rpsso@rpsgroup.com

Client: Persimmon Homes Thames Valley

Project: West Durrington Northern Sector

Title: Soft Landscape Proposals Sheet 3 of 3

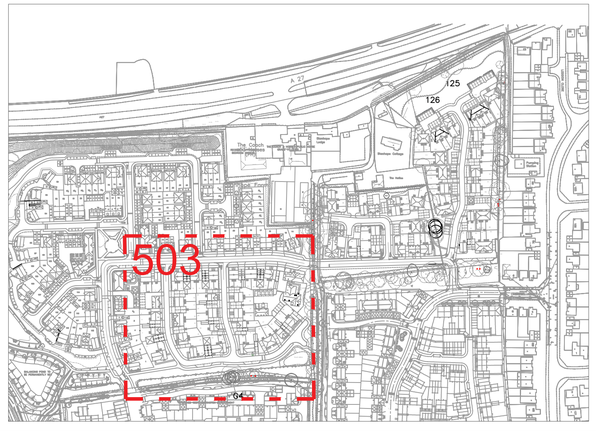
Status	Drawn By	PM/Checked by
Tender	JC	DC/KH

Job Ref	Scale @ A1	Date Created
JSL3273	1:250	May 2019

RPS Drawing / Figure Number: 503

Rev: L

rpsgroup.com



Typical Tree and Shrub Palette

Client: Persimmon Homes
Project: West Durrington, Northern Sector
Dwg Ref: JSL3273 501-502-503
Doc Ref: JSL3273_550

Status: For Tender
Date: April 2021
Revision: D

	Abbr	Botanical name	Common name	Girth / size	Stock	Density / %
A. Trees						
i. Semi-Mature Tree						
5	Cstn st	*Castanea sativa*	Sweet Chestnut	18-20cm	C / SR / RB	
3	Fgs sy	*Fagus sylvatica*	Common Beech	18-20cm	C / SR / RB	
2	Qr ro	*Quercus robur*	Oak	18-20cm	C / SR / RB	
ii. Extra Heavy Tree						
5	Acr cm	*Acer campestre*	Field Maple	14-16cm	C / SR / RB	
3	Fgs sy	*Fagus sylvatica*	Common Beech	14-16cm	C / SR / RB	
4	Liq sty	*Liquidambar styraciflua*	Sweet Gum	14-16cm	C / SR / RB	
1	Qr il	*Quercus ilex*	Holm Oak	14-16cm	C / SR / RB	
iii. Heavy Standard Tree						
4	Acr cm	*Acer campestre*	Field Maple	12-14cm	C / SR / RB	
6	Be pub	*Betula pubescence*	Common Birch	12-14cm	C / SR / RB	
2	Be ut	*Betula utilis 'Jacquemontii'*	Himalayan Birch	12-14cm	C / SR / RB	
1	Be pnd	*Betula pendula*	Silver Birch	12-14cm	C / SR / RB	
3	Fgs sy	*Fagus sylvatica*	Common Beech	12-14cm	C / SR / RB	
4	Mal sy	*Malus sylvestris*	Wild Apple	12-14cm	C / SR / RB	
13	Prns av	*Prunus avium*	Wild Cherry	12-14cm	C / SR / RB	
2	Srbs ac	*Sorbus aucuparia*	Rowan	12-14cm	C / SR / RB	
5	Srbs ar	*Sorbus aria*	Whitebeam	12-14cm	C / SR / RB	
19	Ulm NH	*Ulmus 'New Horizon'*	Elm	12-14cm	C / SR / RB	
iv. Standard Tree						
26	Acr cm	*Acer campestre*	Field Maple	10-12cm	C / SR / RB	
19	Be pnd	*Betula pendula*	Silver Birch	10-12cm	C / SR / RB	
2	Lqd sty	*Liquidambar styraciflua*	Sweet Gum	10-12cm	C / SR / RB	
3	Mal sy	*Malus sylvestris*	Wild Apple	10-12cm	C / SR / RB	
3	Prns av	*Prunus avium*	Wild Cherry	10-12cm	C / SR / RB	
6	Pyrs cm	*Pyrus communis*	Pear	10-12cm	C / SR / RB	
7	Srbs ac	*Sorbus aucuparia*	Rowan	10-12cm	C / SR / RB	

Large tree species: Target 10m3 tree pit soil volume

Medium tree species: Target 7m3 tree pit soil volume

Small tree species: Target 3m3 tree pit soil volume

v. Multistems						
10	Acr grs	*Acer griseum*	Paperbark Acer	250-300cm	C / SR / RB	
5	Be ut	*Betula utilis 'Jaquemontii'*	Himalayan Birch	250-300cm	C / SR / RB	
1	Be pnd	*Betula pendula*	Silver Birch	250-300cm	C / SR / RB	
B. Hedge Planting						
i. Single species hedges						
340	Eny ft GS	*Euonymus fortunei 'Green Spire'*	Green Spire' Spindle	60-80cm	B	3/m
506	Osmnt br	*Osmanthus burkwoodii*	Burkwood osmanthus	60-80cm	B	3/m
381	Ptt tn AG	*Pittosporum tenuifolium 'Arundel Green'*	Dwarf Tawhiwhi	60-80cm	B	3/m
125	Vb tn	*Viburnum tinus*	Vibunum	60-80cm	B	3/m
		Hedgerows planted at 3.00/m, in single row.				
ii. Native Shrub Mix Planting						
505	Acr cm	*Acer campestre*	Field maple	60-80cm	B	20%
756	Crtg mn	*Crataegus monogyna*	Hawthorn	60-80cm	B	30%
125	Cryls av	*Corylus avellana*	Hazel	60-80cm	B	5%
125	Il aq	*Ilex aquifolium*	Holly	60-80cm	B	5%
125	Prns av	*Prunus avium*	Wild Cherry	60-80cm	B	5%
505	Prns sp	*Prunus spinosa*	Blackthorn	60-80cm	B	20%
252	Rs cn	*Rosa canina*	Dog Rose	60-80cm	B	10%
125	Vb op	*Viburnum opulus*	Guelder rose	60-80cm	B	5%
		Thickets planted at 1.00m centres				100%
ii. Native Hedge Mix						
111	Acr cm	Acer campestre	Hazel	60-80cm	B	30%
130	Crtg mn	Crataegus monogyna	Hawthorn	60-80cm	B	35%
130	Cryls av	Corylus avellana	Field maple	60-80cm	B	35%
		Hedgerows planted at 3 l/m centres double staggered rows				100%
C. Woodland and Groundcover Mix Planting						
ii. Groundcover mix A						
186	Dryp fl	*Dryopteris filix mas*	Common fern	2L	C	25%
186	Lz sy	*Luzula sylvatica*	Woodrush	2L	C	25%
186	Prsc affn S	*Persicaria affins 'Superba'*	Knotweed	2L	C	25%
186	Grn mcr	*Geranium macrorrhizum*	Big Root Cranesbill	2L	C	25%
TW		*Mix planted at 5/m2, in informal swathe in single species groups of 5-9No.*				100%

	Abbr		Botanical name	Common name	Girth / size	Stock	Density / %
	iii. Groundcover mix B						
108	Lnc pl		*Lonicera pileata*	Box leaved honeysuckle	3L	C	40%
80	Cnth th R		*Ceanothus thyrsiflorus 'Repens'*	Creeping blue blossom	3L	C	30%
80	Grn en WP		*Geranium endressii 'Wargrave Pink'*	Geranium	3L	C	30%
			Mix planted at 5.00/m2, in single species groups of 7 - 15 No.				100%
	C. Shrub planted areas						
	i. Ornamental shrub planting						
181	Brb th A		*Berberis thunbergii 'Atropurpurea'*	Berberis	3L	C	4.00/m2
173	Brg S		*Brachyglottis 'Sunshine'*	Brachyglottis 'Sunshine'	3L	C	4.00/m2
77	Cean trR		*Ceanothus thyrsiflorus 'Repens'*	California lilac	3L	C	4.00/m2
489	Chsy tr		*Choisya ternata*	Mexican orange blossom	3L	C	4.00/m2
162	Crns sn		*Cornus sanguinea*	Common dogwood	3L	C	3.00/m2
366	Csts crb		*Cistus corbariensis*	Sun roses	3L	C	4.00/m2
100	Ctnst dm		*Cotoneaster dammeri*	Bearberry cotoneaster	3L	C	4.00/m2
38	Eny er RC		*Euonymus europaeus 'Red Cascade'*	Spindle	3L	C	5.00/m2
29	Eny fr EG		*Euonymus 'Silver Queen'*	Spindle 'Silver Queen	3L	C	4.00/m2
340	Eny ft GS		Euonymus fortunei 'Green Spire'		3L	C	4.00/m2
123	Fts jp		*Fatsia Japonica*	Fatsia	3L	C	3.00/m2
61	Hb MB		*Hebe Midsummer Beauty*	Hebe	3L	C	3.00/m2
351	Hb pn P		*Hebe Pinguifolia 'pagei'*	Hebe	3L	C	5.00/m2
177	Hb rk		*Hebe rakaiensis*	Hebe	3L	C	4.00/m2
304	Lav Hid		*Lavandula angustifolia 'Hidcote'*	English lavender	3L	C	4.00/m2
222	Lnc pl		*Lonicera pileata*	Honeysuckle	3L	C	4.00/m2
36	Mhn jp		*Mahonia japonica*	Oregon grape	3L	C	4.00/m2
234	Pch tr		Pachysandra terminalis		3L	C	4.00/m2
133	Pyrc c RC		*Pyracantha coccinea 'Red Cushion'*	Firethorn 'Red Cushion'	3L	C	4.00/m2
89	Pyrc OG		*Pyracantha 'Orange Glow'*	Firethorn 'Orange Glow'	3L	C	4.00/m3
86	Rsm of		*Rosmarinus officinalis*	Rosmary	3L	C	3.00/m2
138	Spr jp G		*Spirea japonica 'Goldflame'*	Goldflame spirea	3L	C	4.00/m2
217	Src hm		*Sarcococca humilis*	Christmas box var.	3L	C	4.00/m2
16	Trchl js		Trachelospermum jasminoides				
48	Vb dv		*Viburnum davidii*	David viburnum	3L	C	3.00/m2
	iii. Specimen shrubs						
5	Cryls av C RM		*Corylus avellana 'Contorta' 'Red Majestic'*		10L	C	-
5	Ctns cg A		*Cotinus coggygria 'Atropurpureus'*		5L	C	-
8	Ctns cg GS		*Cotinus coggygria 'Golden Spirit'*		5L	C	-
9	Phrm MS		*Phormium 'Maori Sunrise'*		5L	C	-
5	Phrm PB		*Phormium 'Platt's Black'*		5L	C	-
	iii. Climbing shrubs						
3	Hed Den		*Hedera colchica "Dentata Variegata"*	Persian ivy	3L	C	
23	Hyd pet		*Hydrangea petiolaris*	Climbing hydrangea	3L	C	
24	Prth hn		*Parthenocissus henryana*	Silver-vein creeper	3L	C	
	iv.Herbaceous planting						
170	Anmnt ls		Anemanthele lessoniana		3L	C	5.00/m2
122	Brgn A		Bergenia 'Abendglut'		3L	C	4.00/m2
9	Clmg ar KF		Calamagrostis arundinacea 'Karl Foerster'		3L	C	4.00/m2
79	Crx bch		Carex buchanii		3L	C	5.00/m2
127	Crx cmn R		Carex comans 'Red'		3L	C	5.00/m2
201	Crx mr AV		Carex morrowii 'Aureo-Variegata'		3L	C	5.00/m2
13	Grn JB		Geranium 'Johnson's Blue'		3L	C	5.00/m2
74	Hchr AW		Heuchera 'Amber Waves'		3L	C	5.00/m2
112	Hchr BB		Heuchera 'Black Beauty'		3L	C	5.00/m2
120	Hchr LR		Heuchera 'Lime Rickey'		3L	C	5.00/m2
81	Hmrc SO		Hemerocallis 'Stella de Oro'		3L	C	4.00/m2
13	Mscn sn S		Miscanthus sinensis 'Starlight'		3L	C	3.00/m2
37	Plmnr HC		Pulmonaria 'High Contrast'		3L	C	5.00/m2
40	Prv at BS		Perovskia atriplicifolia 'Blue Spire'		3L	C	4.00/m2
307	Stp tn		Stipa tenuissima		3L	C	5.00/m2
	D.Bulb and Marginal planting						
							#REF!
	D. Bulb planting						
	i. Successional Spring Bulb Mix						
	Mixture Tynaarlo @ 300/m2		Crocus, Chionodoxas, Daffodils, Puschkinia	Crocus, Chionodoxas, Daffodils,	n/a	Bl	300/m2
	Mixture assortment | JUB Holland						
283	Chndx fr		Chionodoxa forbesii			Bl	
634	Cr tms WP		Crocus tomasinianus 'Whitewell Purple'			Bl	
126	Nrc DM		Narcissus 'Dutch Master'			Bl	
283	Psch sc		Puschkinia scilloides liabanotica			Bl	
126	Tu fs		Tulipa fosteriana			Bl	
	E. Grass and Meadow areas						
	i. Mown Amenity Grass / Rear Gardens / Private Lawn						
			Medallion' turf by Rolawn (or similar and approved)			T	-
			A22 (Low maintenance seed mix) by Germinal (or similar and approved)			S	35g/m2
	ii. Meadow Areas						
	General Meadow		EM2 – Standard General Purpose Meadow Mixture (or similar and approved)			S	5g/m2

Abbr		*Botanical name*	Common name	Girth / size	Stock	Density / %
Tussock Meadow		EM10 Emorsgate mix (or similar and approved)			S	5g/m2