



SOFT LANDSCAPE KEY

- Existing trees to be removed
Trees to be removed to facilitate the proposed development.
- Existing trees and vegetation to be retained
Retained and protected during construction and landscaping works in accordance with BS5837:2012 guidance.
Note: Refer to JCA Ltd. Tree Survey for further information.
- Existing grass to be retained
- Proposed trees in soft landscape
Refer to planting schedule for species and specification.
- Proposed specimen shrub planting
Refer to planting schedule for species and specification.
- Proposed mixed species native hedge planting
Refer to planting schedule for species and specification.
- Proposed ornamental shrub planting
Refer to planting schedule for species and specification.
- Proposed wildflower grassland
To be EM2 Standard General Purpose Meadow Mixture by Emorsgate.
- Proposed wildflower grassland (swale seeding)
To be EM8 Meadow Mixture for Wetlands by Emorsgate.
- Proposed ornamental bark mulch surface finish
1m dia of ornamental bark mulch around all trees in grassland in accordance with BS845:2015 recommendations.
- Proposed slate aggregate surface finish
To be laid over permeable geotextile membrane.
Note: To be limited to the two planting beds in the central pedestrian island.

HARD LANDSCAPE KEY

- Proposed car park 450mm wide gravel strip with timber edging
- Proposed car park 450mm slab step out strip

SIGNIFICANT RISKS		
#	Hazard/Risk	Mitigation/Residual Risk
1	Underground/overhead cables & services	Contractor's responsibility to check location of underground services prior to carrying out works.
2	-	-
3	-	-
4	-	-
5	-	-

PLANTING SCHEDULE

Number	Abbreviation	Species	Grth	Height	Specification
9 No.	Ac	Acer campestre	12-14cm	3.5-4.0m	Heavy Standard RB
14 No.	Ag	Alnus glutinosa	12-14cm	3.5-4.0m	Heavy Standard RB
4 No.	Al	Aweilacher lamarckii	175-200cm	Multi-Stemmed C	
3 No.	B u j	Betula utilis jacquemontii	10-13 cm	Multi-Stemmed RB	
4 No.	CaF	Carpinus betulus Trans Rotunda	12-14cm	3.5-4.0m	Heavy Standard RB
3 No.	Pr	Populus tremula	12-14cm	3.5-4.0m	Heavy Standard RB
6 No.	Tc	Tilia cordata	12-14cm	3.5-4.0m	Heavy Standard RB
Total: 43 No.					

Number	Abbreviation	Species	Specification	Density	Percentage Contribution
103 No.	Ac	Acer campestre	Transplant UK Cell Grown (0.4CV) Double Staggered at 0.45m offset	20%	
78 No.	Ca	Carpinus betulus	Transplant UK Cell Grown (0.4CV) Double Staggered at 0.45m offset	13%	
206 No.	CaM	Crataegus monogyna	Transplant UK Cell Grown (0.4CV) Double Staggered at 0.45m offset	42%	
78 No.	Lv	Ligustrum vulgare	Transplant UK Cell Grown (0.4CV) Double Staggered at 0.45m offset	13%	
52 No.	Prp	Prunus spinosa	Transplant UK Cell Grown (0.4CV) Double Staggered at 0.45m offset	12%	
Total: 517 No.					

Number	Abbreviation	Species	Pot Size	Height	Specification	Density
14 No.	CaM	Carpinus lanuginosa 'Midwinter Fir'	3L	160-180cm	C	1/m ²
52 No.	EREG	Eucalyptus fortunei 'Emerald Galaxy'	3L	20-30cm	C	4/m ²
258 No.	HGS	Hebe 'Green Globe'	5L	30-40cm	C	5/m ²
248 No.	H	Hebe caliginosa	5L	40-60cm	C	5/m ²
12 No.	LAM	Lavandula angustifolia 'Munstead'	10L	30-40cm	C	No.
42 No.	LAM	Lavandula angustifolia 'Munstead'	3L	20-30cm	C	5/m ²
66 No.	LAM	Lonicera sibirica 'May Queen'	3L	30-40cm	C	3/m ²
202 No.	PRG	Prachysandra terminalis 'Green Carpet'	3L	15-20cm	C	5/m ²
118 No.	PSL	Phlox subulata 'Otto Luyken'	3L	30-40cm	C	4/m ²
134 No.	So	Saxifraga cuneata	3L	20-30cm	C	3/m ²
244 No.	Vs	Viburnum davidii	3L	30-40cm	C	5/m ²
Total: 1435 No.						

Number	Abbreviation	Species	Pot Size	Specification	Density
63 No.	EsP	Euphorbia amygdaloides 'Purpurea'	3L	C	4/m ²
31 No.	GR	Geranium Rozanne	2L	C	5/m ²
66 No.	LMBB	Liriodendron 'Big Blue'	2L	C	6/m ²
Total: 160 No.					

Number	Abbreviation	Species	Pot Size	Specification	Density
66 No.	Dre	Dryopteris erythrosora	3L	C	5/m ²
Total: 66 No.					

Number	Abbreviation	Species	Pot Size	Specification	Density
12 No.	CaM	Calamagrostis x acutiflora 'Karl Foerster'	3L	No.	No.
61 No.	CaM	Calamagrostis x acutiflora 'Karl Foerster'	3L	5/m ²	
196 No.	CmD	Carex morrowii 'Ice Dance'	3L	5/m ²	
Total: 209 No.					

Number	Abbreviation	Species	Specification	Density	Percentage Contribution
205 No.	LMBB	Liriodendron 'Big Blue'	C	6/m ²	60%
114 No.	Pr	Polystichum polythepharum	Full Pot	5/m ²	40%
Total: 319 No.					

Number	Abbreviation	Species	Specification	Density	Percentage Contribution
193 No.	BS	Bergenia Sibthorpii	C	5/m ²	60%
110 No.	Hes	Heliborus angustifolius	C	5/m ²	40%
Total: 273 No.					

Grasses

Number	Abbreviation	Species	Pot Size	Specification	Density
12 No.	CaM	Calamagrostis x acutiflora 'Karl Foerster'	3L	No.	No.
61 No.	CaM	Calamagrostis x acutiflora 'Karl Foerster'	3L	5/m ²	
196 No.	CmD	Carex morrowii 'Ice Dance'	3L	5/m ²	
Total: 209 No.					

Groundcover Mix A

Number	Abbreviation	Species	Specification	Density	Percentage Contribution
205 No.	LMBB	Liriodendron 'Big Blue'	C	6/m ²	60%
114 No.	Pr	Polystichum polythepharum	Full Pot	5/m ²	40%
Total: 319 No.					

Groundcover Mix B

Number	Abbreviation	Species	Specification	Density	Percentage Contribution
193 No.	BS	Bergenia Sibthorpii	C	5/m ²	60%
110 No.	Hes	Heliborus angustifolius	C	5/m ²	40%
Total: 273 No.					

Planting specification

Topsoil
Imported topsoil to comply with the British Standard BS 3882:2015 definition for Multipurpose grade topsoil, and is to be accompanied with a test certificate and horticultural analysis summary for approval by the landscape architect prior to delivery to site. Existing subsoil shall conform to BS8601:2013. Required topsoil depths specified below. Provide a minimum of one week's notice.

Shrub areas are to receive topsoil minimum 450mm depth after compaction. Grass areas to receive minimum 150mm depth after compaction. Subsoil beneath topsoil areas to be broken up to a depth of 300mm prior to placing topsoil.

Topsoil depths:
Grass turf/seed - 150mm
Hedge lines - 300mm
Woodland mix/shrub mix/shrub planting - 300mm
Wildflower turf/seed - 100mm

ALL PLANTS - GENERAL

- Condition: Materially undamaged, sturdy, healthy and vigorous
- Appearance: Of good shape and without elongated shoots
- Hardiness: Grown in a suitable environment and hardened off
- Health: Free from pests, diseases, discoloration, weeds and physiological disorders
- Budded or grafted plants: Bottom worked
- Root system and condition: To requirements of National Plant Specification and balanced with branch system.
- All stock to be supplied bare root if in season. All stock to be supplied in container grown if planted out of season.

Trees
Trees shall be set in pits 900mm Ø x 900mm depth. The base of the tree pit is to be broken up to a depth of 200mm and backfilled with topsoil consolidated in layers to allow the tree to be placed to the correct depth. The pit shall then be backfilled with a mixture of approved topsoil and tree and shrub planting compost at the rate of one part compost to two parts topsoil and 70-140g/m² Osmocote, Sierrablen Flora 15-9-9 + 3% MgO granular controlled release, or similar approved mix.

Small trees/Specimen shrubs to be set in 750 x 750mm pits and backfilled with topsoil, compost and fertilizer mix at the rate described for trees above.

Each tree shall be planted to the nursery line and secured by three tree stakes (pressure impregnated softwood) 1.5m in length, 50mm diameter secured with NatureTie biodegradable hessian webbing. One strap per stake looped around the trunk. Tree stakes shall be driven vertically into firm ground to a depth of 700mm below the base of the tree pit. After planting all trees shall be thoroughly watered in to field capacity and a 75mm depth layer of Melcourt Ornamental Bark Mulch 5-35mm with minimal dust and fines and less than 5% wood content or similar approved spread over the tree pit. Allow one clear spiral guard and one 2.5m x 35mm Mona relief watering pipe with Aris inlet with cap per tree - Supplier: Greentech Tel: 01423 332100.

After planting, thoroughly water to field capacity immediately without damaging or displacing plants or soil.

Trees planted in grass are to have a 1m diameter turf cut around the base of the tree and circle filled with bark mulch to 75mm depth.

Hedges
Hedge trenches shall be dug 450mm wide x 450mm deep, the base of which shall be broken up prior to returning the backfill mixture. This shall comprise two parts topsoil to one part tree and shrub planting compost. Stock shall be planted at the distances given in the schedules. All stock shall be planted to the root collar and well firm in place. Crataegus hedges in public areas shall be planted with biodegradable Rainbow Treelife spiral guards and canes.

All stock to be supplied bare root if in season. All stock to be supplied container grown if planted out of season.

All stock shall be thoroughly watered in to field capacity.

After planting, a 75mm layer of 5-35mm Melcourt contract bark mulch shall be spread over the trench to a width of 1m.

Shrub planting (ornamental)
All shrubs shall be set out to the positions shown on the drawing and to the densities given. All stock shall comply with the specification provided on the drawing.

Plants unobtainable or known to be likely to be unobtainable at time of ordering: Submit alternatives which offer the closest possible match to the original specified, stating: Price, difference from specified plant/ trees. Obtain approval before making any substitution.

All shrub beds shall be topped up with good quality topsoil to ensure 450mm planting depth the base ground being thoroughly broken up before placement. Tree and shrub planting compost shall be spread to a minimum depth of 50mm and in addition in every spread, 70-140g/m² Osmocote, Sierrablen Flora 15-9-9 + 3% MgO granular controlled release, or similar approved, thoroughly worked in during cultivation.

Shrub planting pits should be 150mm wider than roots when fully spread. Backfill with excavated material.

After planting, thoroughly water to field capacity immediately without damaging or displacing plants or soil.

Lightly firm soil around plants and rake soil to a fine tilth with gentle cambers and no hollows. Avoid damaging plants. A 75mm depth layer of Melcourt ornamental Bark Mulch 5-35mm with minimal dust and fines and less than 5% wood content or similar approved spread to be spread over entire bed. The mulch shall be free of pests, disease, fungus and weeds.

After initial planting, supply and spray Grazers G1 to ornamental planting then every 6 weeks for the duration of the 12-month maintenance contract.

Wildflower seed
Emorsgate EM2 Standard General Purpose Meadow Mixture
Supplier: Emorsgate
Website: www.wildseed.co.uk
Sowing rate: 4g per m²
See website for typical mixture.

Wildflower seed (swale seeding)
Emorsgate EM8 Meadow Mixture for Wetlands
Supplier: Emorsgate
Website: www.wildseed.co.uk
Sowing rate: 4g per m²
See website for typical mixture.

Wild flower areas shall be soiled with 100mm of nutrient poor top soil over ground free of compaction by cultivation. Prior to seeding areas shall be sprayed with an approved contact herbicide using suitably qualified operatives, to clean the seed bed of unwanted plant species. Timing of subsequent seeding should ensure an appropriate fallow period in accordance with the particular plant protection product manufacturer's instructions. The soil shall be raked and cross raked to form a fine tilth. Seed shall be sown at the rates given in the schedules.

The soil shall be raked and cross raked to form a fine tilth. Seed shall be sown in two directions at 4 g/m² and lightly raked in.

Maintenance
Carry out the operations in the following clauses for a period of 12 months from the date of practical completion.

Plants/ trees/ shrubs that have failed to thrive (unless due to theft or malicious damage) within the 12-month period from the date of practical completion will be replaced with equivalent plants/ trees/ shrubs to match the original.

Remove soil and arisings from hard surfaces and grassed areas. Generally leave the works in a clean tidy condition at Completion and after any maintenance operations.

Maintain weed free areas around each tree and shrub. Keep planting beds clear of weeds. Take care not to reduce depth or affect of mulch. Gently firm loosened soil around trees/ shrubs. Straighten leaning trees/ shrubs. Tighten and straighten stakes if required.

Prune to promote healthy growth and natural shape removing: Dead, dying, diseased wood and suckers. Remove arisings. Trim and shape each specimen appropriately to species, location, season, and stage of growth, leaving a well-balanced natural appearance. Cut back herbaceous material in autumn.

All shrub beds shall be thoroughly watered as necessary for the continued thriving of all planting. In times of water shortage obtain instructions before proceeding.

Re-mulch at the end of the 12-month maintenance period to a depth of 50mm ensuring that the soil is thoroughly moistened prior to re-mulching.

All planting shall be maintained in good order throughout the initial establishment period.

Visits: Twice a month between May and September and a total of three visits between October and April.

Spot treat persistent weeds with glyphosate-based translocated herbicide in accordance with manufacturer's instructions and in compliance with all necessary legislation and regulations using appropriately qualified staff.

All arisings are to be removed from site.

Grass areas
Grass areas are to be cut 18 times per year and the cuttings collected up and removed from site.

FOR INFORMATION

Rev.	Date	Comments	Drawn	Checked
B	21.11.2023	Drawing updated in accordance with ecologist comments received.	HS	IB
A	13.11.2023	Drawing updated in accordance with ecologist comments received.	HS	IB

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Project
Title: **Ledgard Bridge Mills**
Indicative Landscape softworks proposals
Project No.: **HS** Drawing No.: **L01** Rev.: **B**
Scale: **1:250 @ AO** Date: **November 2023**
Drawn by: **HS** Checked by: **IB**

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