

NOTE: SURROUNDING CONTEXTUAL BUILDINGS AND INFORMATION ARE BASED ON RECEIVED ORDINANCE SURVEY DRAWINGS AND ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. ASSUMED SITE BOUNDARY IS SUBJECT TO CONFIRMATION.



MAINTENANCE

All planting areas to be maintained to a high standard by the contractor for 12 months after practical completion, to ensure the landscape scheme is successful, and discourage decline of the area. Site to be visited minimum once per month to carry out required maintenance to all soft landscape areas.

Generally, during the first 12 months:

- All planting beds to be re-filled and kept weed free through hand weeding and application of an approved herbicide where appropriate.
- All litter to be picked and removed from landscape areas.
- Mulch to be topped up as required to maintain the specified thickness.
- The condition of all trees is to be regularly checked, with ties and stakes adjusted or replaced as necessary.
- Shrubs to be pruned at appropriate times of year for each species to promote healthy growth and desirable ornamental features.
- All arisings to be removed from site.
- Any defects or plant losses occurring during the first 12 months defects period to be replaced at the contractor's expense.

COASTAL WILDFLOWER MAINTENANCE

Cutting first season: Time of first cut - if sown in Autumn cut in March/April, if sown in Spring cut in August/October after flowering. Height of first cut - 70mm. If sown in Autumn it should also be cut in September/October after flowering.

Cutting second season: March/April - cut to 50-70mm then September/October - cut to 50mm after flowering.

To be cut twice a year from then on as per above.

*NOTE - At time of each cut all arisings to be removed from the bed to maintain reduced soil productivity.

FLOWERING LAWN MAINTENANCE

First growing year: Cut every 4 weeks or so, cut all growth back to around 50-75mm. Ensure cuttings are removed so that soil fertility is NOT improved.

At the end of the summer or in early autumn, make a final cut, collect up the cuttings and leave through the winter.

Year 2 onwards: Cut back any winter growth in early spring, removing the cuttings afterwards, cut back only when flowering has finished at the end of summer or early autumn.

WATERING:

All soft landscaping to be subject to a watering regime which is absolutely essential to ensure the continued success of the scheme, particularly in the key first 12 month establishment period. The frequency should be as necessary to ensure the continued thriving of all grass / planting. During dry periods minimum weekly visits should be made to site to ensure the soil is not too dry and to water if necessary. The soil should be checked for dryness using either a soil moisture sensor or pushing a spade into the top 300mm of soil and seeing how the soil feels. If it is moist there is no need to water but if it is bone dry then water immediately. Supply should be from potable mains water or an approved alternative. The full depth of topsoil should be wet without loosening or damaging plants. Any compacted soil should be loosened or scooped out to direct water to the rootzone. Trees should be watered via their irrigation pipes, in accordance with the manufacturer's instructions, to ensure the water reaches the rootball of the tree.

SOFT LANDSCAPE KEY:

- Existing trees to be retained (Indicative size & location shown subject to Arboricultural Survey)
- Proposed tree in soft landscape (Refer to planting schedule for species & specification)
- Proposed tree in hard landscape (Refer to planting schedule for species & specification)
- Proposed shrub planting (Refer to planting schedule for species & specification)
- Proposed mixed species native buffer boundary planting (Refer to planting schedule for species & specification)
- Proposed hedge planting (Refer to planting schedule for species & specification)
- Proposed coastal wildflower mix (To be John Chambers Pro Coastal 80% Grass Seed Wildflower Seed Mix. Product code:130/C4140-PRO. To be sown into cultivated low nutrient subsoil or topsoil. Refer to specification for sowing and maintenance requirements)
- Proposed bulb mix planting (Refer to planting schedule for species & specification)
- Proposed ornamental bark mulch finish to overrun margin (1cm layer of ornamental bark mulch around tree planting)
- Easement (Indicated for information purposes)

SOFT LANDSCAPE SPECIFICATION

NOTE: All soft landscape works to be carried out in accordance with BS4428:1989.

SUBSOIL

Subsoil should be broken up to relieve compaction and aid drainage prior to topsoiling to the following depths:

- For light and non cohesive subsoils: 300mm
- For stiff clay and cohesive subsoils: 450mm

Immediately before spreading topsoil, remove stones larger than 50mm.

TOPSOIL

To be supplied and spread by the main contractor to the approval of the Landscape Contractor, in accordance with BS 3882: 2015. To be a natural sandy loam, of medium texture, with a pH between 5.5 and 7.5, not more than slightly stony and free of pernicious weeds. Subsoil to be well broken up prior to topsoiling to relieve compaction. Topsoil depths should be:

- Areas for Ornamental Shrub Planting: minimum 450mm
- Areas for Native Shrub Planting: 300mm
- Areas for grass: minimum 150mm

Wildflower Meadow: No topsoil to be used - to be cultivated subsoil only.

CULTIVATION

Weeds to be prevented from seeding or becoming established by applying a suitable herbicide and allowing the correct time to elapse, as directed by the manufacturer. Compacted soil to be broken up to a depth of 100mm, with any stones, grass tufts or rubbish larger than 50mm in any direction to be removed, leaving a regular and even surface. Suitable slow release fertiliser to be supplied and spread @ 50g/m2 to all planting areas.

CLIMATIC CONDITIONS

Topsoiling should be carried out in the driest conditions possible - cultivation to be carried out when the soil is moist, friable and not waterlogged or frozen. Topsoil should not be handled during or after heavy rainfall or when it is wetter than the plastic limit as defined by BS 3882. Planting should not take place in waterlogged conditions or when the ground is frozen.

SOIL AMELIORANT

Peat-free compost to be spread over ornamental shrub beds @ minimum 50mm depth prior to cultivation.

TREE PLANTING

All trees within shrub beds to be planted in separate pits in accordance with free planting detail. All plant material to comply with BS 3936 Part 1:1992, to be obtained from a nursery certified by the HFA and transported to site in accordance with the Plant Handling Guide: 1994. All trees to be planted to the original root collar and secured in place with underground guying system in accordance with free planting detail. Trees to be fitted with irrigation / aeration pipes in accordance with Landscape Architects free planting details.

Note:

All proposed tree planting locations shown are subject to co-ordination with drainage layout and subject to modification depending on the location of underground services and utilities. Drainage Engineer to co-ordinate services layout in conjunction with the proposed landscape plan to avoid conflict as much as possible. Allowance to be made at tender stage for the possible requirement for root barriers once the drainage layout is confirmed. CA to be informed immediately once this information is available.

SHRUB PLANTING

All shrubs to be positioned as shown on the drawing and to the density and specification listed in the plant schedule.

Planting holes to be 150mm wider than the root spread, have the base ground thoroughly broken up before planting and backfilled with peat free compost.

All shrubs to be equally spaced throughout the planting areas to the specified density in a staggered arrangement unless otherwise noted in the planting schedule.

Contractor to ensure numbers on schedule match those shown on drawing before placing any orders for plants. Any discrepancies to be brought to the attention of the Landscape Architect upon delivery. Contractor to check on site dimensions of all landscape areas to ensure specified quantities will achieve the specified densities for each species.

NATIVE WHIP PLANTING

Seeded areas should be sown in accordance with BS 3969:1998. Recommendations for Turf for general purposes and BS 4428:1989 General Landscape Operators.

Height of initial growth: 100mm

Height of first cut: 50mm

Height of growth: the height of growth must not exceed 100mm at any time.

Frequency: Cut as and when necessary to a height of 25mm, using a rotary mower and remove all arisings.

Timing: When grass reaches scheduled height of maximum growth and is reasonably dry.

Application: At the time of each cut, trim all grass edges round the base of trees, manholes etc and remove arisings. Sweeps at adjoining hard areas clear of cuttings and remove.

Weeding: Keep the sward substantially free of broad leaved weeds by applying a suitable selective herbicide.

Fertiliser: March application: 5:10:10 Spring Turf fertilizer @ 35g/m2. September application: 5:10:10 Autumn Turf fertilizer @ 50g/m2.

COASTAL WILDFLOWER

Wildflower mixes to be planted directly into cultivated low fertility subsoil or topsoil in accordance with manufacturer recommendations at rate of 5g/m2 for coastal mix.

Preparation: Cultivate subsoil, apply a suitable herbicide and allow the correct time to elapse, as directed by the manufacturer, and seed the bed. No fertiliser, compost or mulch are to be applied to the wildflower bed.

SUBSTITUTIONS:

Upon submission of evidence that certain materials, including plant materials, are not available at the time of the landscape contract, the Landscape Contractor may be permitted to substitute other materials and plants in exceptional circumstances during the contract with an agreed adjustment of prices.

All substitutions shall be of nearest equivalent species and variety to the original specified but shall be subject to approval by the Landscape Architect before any change is made.

TIMES OF YEAR FOR PLANTING:

Landscape works to be carried out during the final possible planting periods prior to practical completion of the building and associated engineering works / car park areas in accordance with the following:

- Native and ornamental trees: During dormant winter period - Late October to late March
- Bare root native transplants: During dormant winter period - Late October to April
- Container grown ornamental and specimen shrubs: At any time if ground and weather conditions are favourable.

MULCH

75mm depth of 8-35mm ornamental bark mulch (peat-free) to be supplied and spread to all planting areas. Finished mulch level to be installed and maintained at 25mm below any adjacent kerbs or paving surfaces.

MAINTENANCE

All planting areas to be maintained to a high standard by the contractor for 12 months after practical completion, to ensure the landscape scheme is successful, and discourage decline of the area. Site to be visited minimum once per month to carry out required maintenance to all soft landscape areas.

ECOLOGICAL FEATURES KEY:

- 4No. Proposed log habitat pile within grassland (To be created from felled trees or from timber collected off site to act as wildlife refuge, partially buried underground prior to seeding - To be minimum of 100mm thick.)
- 3No. Proposed GCN hibernaculum within grassland (To be constructed in accordance with Project Ecologists specification.)

Note:

Indicative location of ecological features within the landscape shown on plan. Exact location and installation to be confirmed onsite with project ecologist.

PLANTING SCHEDULES:

Tree Planting:	Species	Abb.	Form	Girth (cm)	Height (cm)	Clear stem (cm)	Root	Quantity
Acer campestre	Ac	Standard Selected	10-12	300-350	175-200	B	1	
Acer campestre 'Brix'	AcE	Standard Extra Heavy	16-18	Min 450	min 220	BR	2	
Betula pendula	Bp	Standard Selected	12-14	350-425	175-200	B	7	
Betula pubescens	Bsp	Standard Heavy	12-14	350-425	min 200	BR	1	
Carpinus betulus 'Fastigiata'	Cbf	Standard Extra Heavy	14-16	425-600	min 220	BR	5	
Crataegus punctifolia	Cp	Standard Extra Heavy	14-16	425-600	min 200	BR	2	
Crataegus saevigata 'Christina Cloud'	CcC	Standard Extra Heavy	16-18	min 450	min 220	BR	1	
Crataegus monogyna	Cm	Standard selected	10-12	300-350	175-200	B	2	
Fagus sylvatica	Fs	Standard Extra Heavy	12-14	min 450	min 220	BR	3	
Malus sylvestris	Mb	Standard selected	10-12	300-350	175-200	B	2	
Prunus avium	Pa	Standard Heavy	12-14	350-425	175-200	BR	2	
Prunus avium 'Flam'	PaF	Standard Extra Heavy	16-18	min 450	min 220	BR	7	
Prunus nigra 'Austriaca'	PnA	Standard Extra Heavy	14-16	min 450	min 200	BR	2	
Prunus coccinea 'Red Spike'	PcRS	Standard Extra Heavy	16-18	min 450	min 220	BR	4	
Quercus robur	Qr	Standard Heavy	12-14	350-425	175-200	BR	2	
Sorbus aucuparia	Sa	Feathered	/	200-250	/	BR	5	

Shrub Planting:	Species	Abb.	Height (cm)	Root	Container	Habit	Breaks	Density
Cornus sanguinea	Cs	60-80	C	3L	Branched	2	3/m ²	
Elaeagnus x ebbingelii	Ee	40-60	C	3L	Branched	4	3/m ²	
Hebe 'Blue Gem'	HbG	30-40	C	3L	Buty	5	4/m ²	
Hebe 'The Winter'	HbW	30-40	C	3L	Buty	5	5/m ²	
Hebe 'The Green Ripple'	HbGR	40-60	C	3L	Sev. Shoots	3	3/m ²	
Lonicera 'Hilda Morgan'	Lm	30-40	C	3L	Buty	3	4/m ²	
Potentilla fruticosa 'Abbotswood'	PfA	20-30	C	3L	Buty	4	4/m ²	
Ulex europaeus	Ue	60-80	C	3L	Branched	5	3/m ²	
Viburnum opulus 'Compactus'	Voc	60-80	C	3L	Branched	3	3/m ²	

Mixed Species Native Hedge Planting 1:	Name	Abb.	Age/Condition	Height	Root	% Mix
Cornus ovelliana	Ca	1+1	40-60	BR	25%	
Crataegus monogyna	Cm	1+1	40-60	BR	50%	
Prunus spinosa	Ps	1+1	60-80	BR	25%	

Notes:

- Hedge plants to be planted in double staggered rows @ 500mm centres (400mm between rows).
- All whips and transplants to be fitted with rabbit guards / shrub shelters appropriate to the species.
- Hedges to be maintained at 1.4m height unless otherwise noted.

Mixed Species Native Hedge Planting 2:	Name	Abb.	Age/Condition	Height	Root	% Mix
Acer campestre	Ac	1+1	60-80	BR	15%	
Cornus ovelliana	Ca	1+1	40-60	BR	20%	
Crataegus monogyna	Cm	1+1	40-60	BR	40%	
Prunus spinosa	Ps	1+1	60-80	BR	10%	
Rosa carolina	Rc	1+1	60-80	BR	5%	
Sambucus nigra	Sn	1+1	60-80	BR	10%	

Notes:

- Mixed species native hedge plants to be planted in tripple staggered rows @ 450mm centres, 400mm between rows.
- **Each transplant to be fitted with Tubex rabbit guard / shrub shelter appropriate to the species.

Bulb Mix Planting:	Name	Abb.	% in mix	Grade
Gaillardia nivalis	Gn	25	5/6	
Hyacinthoides non-scripta	Hn	25	5/6	
Narcissus pseudo-coronariis	NpO	50	12/14	

*Bulbs to be planted in a random mix of 20/m²

Project Title: PROPOSED ALDI FOODSTORE
 Client: ALDI STORES LIMITED
 Date: 1/200
 Scale: 1:200 @ A0
 Drawn by: FW
 Checked by: AS
 Date: 05/2019

Drawing No: V2435-L01
 Drawing Title: LANDSCAPE PLAN
 Drawing Scale: 1:200 @ A0

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 design concepts

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