

Name	Abb.	Form	Age	Girth	Height (cm)	Clear stem	Root	Breaks	Density
Native Trees									
Acer campestre 'Streetwise'	AcS	Standard semi mature	4x	20-25	min 450	min 200	RB	/	Item
Betula pendula	Bp	Standard extra heavy	3x	18-20	min 450	min 200	RB	/	Item
Sorbus aucuparia 'Streetwise'	SaS	Standard extra heavy	3x	18-20	min 450	min 200	RB	/	Item
Name	Abb.	Height	Root	Container	Habit	Breaks	Age	Density	
Specimen Shrubs									
Amelanchier lamarckii	Al	250-300	RB	/	Multi Stem	3	3x	Item	
Fatsia japonica	Fj	60-80	C	1.5L	Leader	/	/	Item	
Phormium 'Pink Panther'	PPP	/	C	1.5L	Triple Crown	/	/	Item	
Name	Abb.	Height	Root	Container	Habit	Breaks	Density		
Ornamental Planting									
Choloya ternata 'Sundance'	CIS	30-40	C	3L	Bushy	4	5/m ²		
Elaeagnus ebbingii 'LimeLight'	EeL	40-60	C	3L	Branched	3	3/m ²		
Euonymus fortunei 'Emerald & Gold'	EfEG	20-30D	C	5L	Bushy	7	5/m ²		
Hebe 'Mrs Winder'	HmW	30-40	C	5L	Bushy	5	4/m ²		
Lonicera nitida 'Baggesens Gold'	LnBG	30-40	C	3L	Bushy	3	4/m ²		
Lonicera nitida 'Maigreen'	LnM	30-40D	C	3L	Bushy	6	5/m ²		
Mahonia aquifolium 'Apollo'	Ma	30-40	C	3L	Branched	3	4/m ²		
Photinia x fraseri 'Little Red Robin'	PILRR	30-40	C	3L	Branched	6	4/m ²		
Skimmia japonica 'Rubella'	SJR	30-40	C	3L	Bushy	3	5/m ²		
Spiraea japonica 'Goldflame'	SJG	20-30	C	3L	Bushy	6	5/m ²		
Viburnum tinus 'Eve Price'	VIEP	30-40	C	3L	Bushy	4	4/m ²		
Name	Abb.	Age/Condition	Height	Root	Container	Habit	Breaks	% In Mix	Density
Native Buffer Mix									
Acer campestre	Ac	1+1 or 1/1	80-100	B	/	Transplant - seed raised	/	10%	1/m ²
Corylus avellana	Ca	1+2 or 1/2	60-80	B	/	Branched	3	15%	1/m ²
Crataegus monogyna	Cm	1+1 or 1/1	60-80	B	/	Transplant - seed raised	/	40%	1/m ²
Ilex aquifolium	Ia	/	40-60	C	2L	Leader & Laterals	/	15%	1/m ²
Rosa canina	Rc	1+1 or 1/1	60-80	B	/	Branched	3	10%	1/m ²
Viburnum opulus	Vo	1+2 or 1/2	60-80	B	/	Branched	3	10%	1/m ²

Name	Abb.	Height	Root	Container	Habit	Breaks	Density
Ornamental Hedge							
Prunus laurocerasus 'Otto Luyken'	PIOL	60-80	C	12L	Bushy	7	45cm centres



KEY:

- Existing trees for retention
To be retained and protected in accordance with BS 5837:2012
- New tree line and hedge by others
- Proposed native trees in soft landscape
Refer to schedule for species and specification
- Proposed specimen shrub planting
Refer to planting schedule for species & specification
- Proposed ornamental shrub planting
Refer to planting schedule for species & specification
- Proposed native buffer mix planting
Refer to planting schedule for species & specification
- Proposed ornamental hedge planting
Refer to planting schedule for species & specification

Bird and bat boxes to be included where necessary in accordance with ecologists recommendations. Ecologist to advise on precise spec., quantity & location of each.

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 7.8, not more than slightly stony and free of pernicious weeds. Subsoil to be well broken up prior to top-soiling to relieve compaction. Topsoil depths should be:
Areas for Ornamental Shrub Planting: minimum 450mm

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 planted 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.

TREES
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, be obtained from a nursery certified by the HIA and transported to site in accordance with the HIA Plant Handling Guide: 1996. All trees to be planted to the original root collar and secured in place with underground guying system in accordance with free planting detail.

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 discovery.
Contractor to check on site dimensions of all landscape areas to ensure specified quantities will achieve the specified densities for each species.

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 12months 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 12months:
- All planting beds to be re-firmed 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 contractors expense.

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 looks. 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.

Revisions	Description	Drawn	Check
Project File	Proposed Aldi Foodstore		
Client	Ecko Business Park Priory Crescent Southend-On-Sea		
Status	PLANNING		
Scale	1:250	Drawing Size	A1
Drawn By	DW	Checked By	AS
Date	10/18		
Drawing File	Landscape Plan		
Job/Draw No	V2238 L01	Rev	-

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LANDSCAPE DESIGNERS
4 ST JOHNS NORTH, WAKEFIELD, WF1 3GA. TEL 01924 332056
www.vectorltd.com