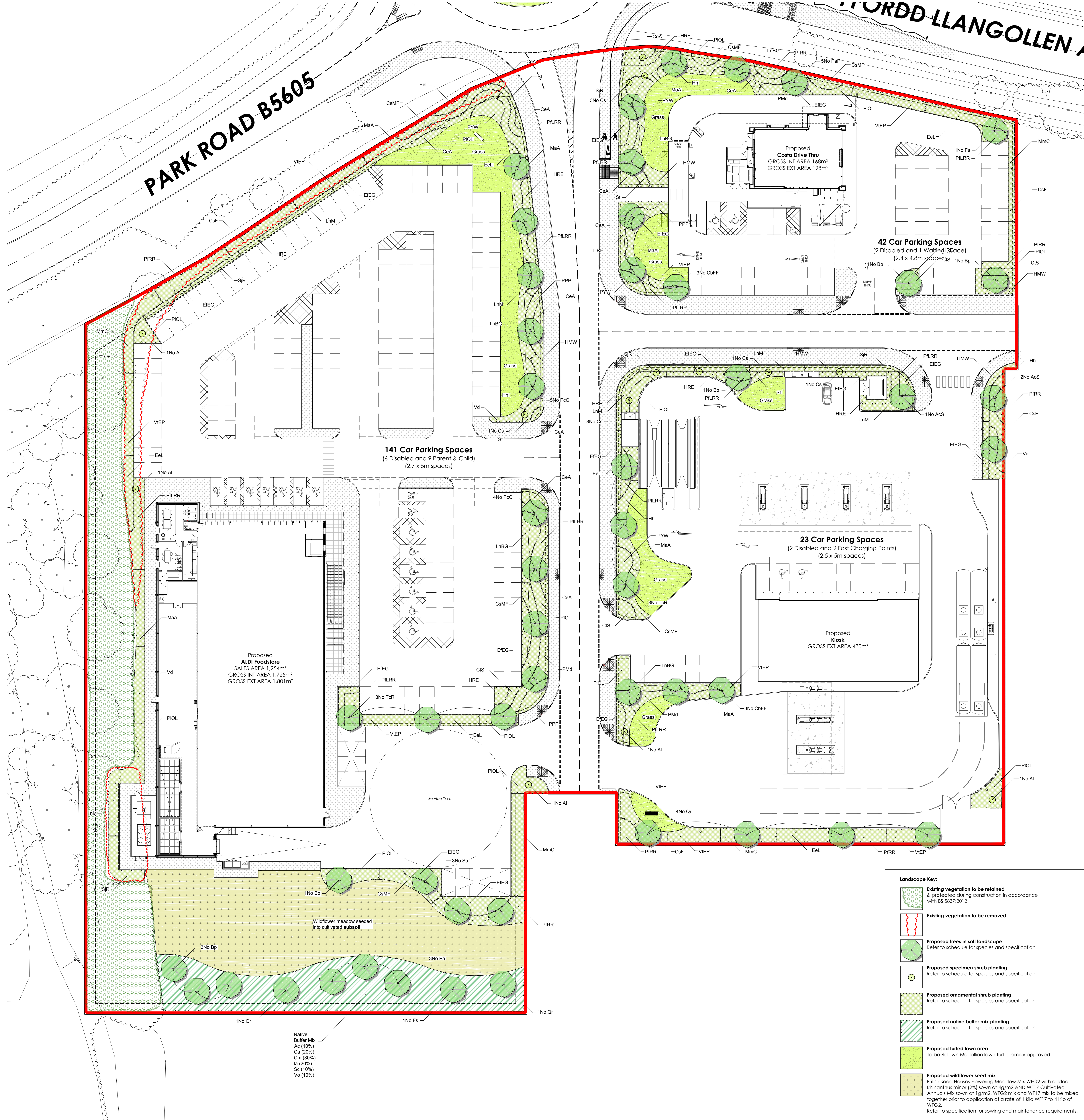




SOFT LANDSCAPE SPECIFICATION

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 tree planting details. All plant material to comply with BS 3936 Part 1: 1992, be obtained from a nursery certified by the HTA and transported to site in accordance with the HTA 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 tree 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 evenly 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 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.

GRASSED AREAS

Turf should be laid in accordance with BS 3969:1998: Recommendations for Turf for general purposes. 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. Sweep all 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: 15:10:10 Spring turf fertiliser at 35g/m² September application: 5:10:10 Autumn turf fertiliser at 50g/m²

WILDFLOWER PLANTING

Wildflower mix to be planted directly into low fertility **cultivated subsoil** in accordance with manufacturers recommendations at rate of 5g/m² (see key for species mixture). 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. 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 40-70mm then September/October – cut to 40mm 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.

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 proposed 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 up 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.
- Lawns and wildflower meadow areas to be cut and maintained as per the above specification.
- 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.

Ongoing maintenance after the 12month defects period to be carried out under a separate landscape maintenance contract by a specialist landscape maintenance contractor.

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.

Name	Abb.	Form	Age	Girth	Height (cm)	Clear stem	Root	Breaks	Density
Ornamental Trees									
Corpus delius 'Frans Fontaine'	CdFF	Standard semi mature	4x	20-25	min 450	min 200	RB	/	Item
Prunus avium 'Piedra'	PaP	Standard extra heavy	3x	18-20	min 450	min 200	RB	/	Item
Pyrus calleryana 'Chanticleer'	PcC	Standard semi mature	4x	20-25	min 450	min 200	RB	/	Item
Tilia cordata 'Rancho'	TcR	Standard extra heavy	3x	18-20	min 450	min 200	RB	/	Item

Name	Abb.	Form	Age	Girth	Height (cm)	Clear stem	Root	Breaks	Density
Native Trees									
Acer campestre 'Streetwise'	AcS	Standard extra heavy	3x	16-18	min 450	min 200	RB	/	Item
Betula pendula	Bp	Standard extra heavy	3x	16-18	min 450	min 200	RB	/	Item
Fagus sylvatica	Fs	Standard extra heavy	3x	14-16	425-600	175-200	RB	5	Item
Prunus avium	Pa	Standard extra heavy	3x	14-16	425-600	175-200	RB	5	Item
Quercus robur	Qr	Standard extra heavy	3x	14-16	425-600	175-200	RB	5	Item
Sorbus aucuparia	Sac	Standard extra heavy	3x	16-18	min 450	min 200	RB	/	Item

Name	Abb.	Height	Root	Container	Habit	Breaks	Age	Density
Specimen Shrubs								
Amelanchier lamarckii	Al	250-300	RB	/	N/A/151cm	3	3x	Item
Cardaria selicola	Cs	/	C	15L	V	/	/	Item

Name	Abb.	Height	Root	Container	Habit	Breaks	Density
Ornamental Planting							
Carex elata 'Aurea'	CeA	/	C	5L	V	/	6/m ²
Cholysa ternata 'Sundance'	CIS	30-40	C	5L	Bushy	4	5/m ²
Cornus sanguinea 'Midwinter Fire'	CsMF	40-60	C	3L	Branched	4	3/m ²
Cornus stolonifera 'Flaviramend'	CsF	60-80	C	3L	Branched	4	3/m ²
Eleagnus ebbingei 'Limeglow'	Eel	40-60	C	3L	Branched	3	3/m ²
Eucornus fortunei 'Emerald & Gold'	EFG	20-300	C	5L	Bushy	7	5/m ²
Hebe 'Mrs Winder'	HWM	30-40	C	5L	Bushy	5	5/m ²
Hebe 'Red Edge'	HRE	30-40	C	5L	Bushy	5	5/m ²
Hypericum 'Midwinter'	Hm	30-40	C	3L	Bushy	5	4/m ²
Lonicera nitida 'Baggesens Gold'	LnBG	30-40	C	3L	Bushy	3	4/m ²
Lonicera nitida 'Midgreen'	LnM	30-40D	C	3L	Bushy	6	5/m ²
Mahonia aquifolium 'Apollo'	Ma	30-40	C	3L	Branched	3	4/m ²
Mahonia x media 'Charity'	MmC	30-40	C	3L	Leader	/	3/m ²
Philadelphus 'Mantecou d'Hermine'	Phd	30-40	C	3L	Branched	4	4/m ²
Phormium 'Pink Panther'	PPP	/	C	7L	Triple Crown	/	3/m ²
Phormium 'Yellow Wave'	PYW	/	C	7L	Triple Crown	/	3/m ²
Photinia x fraseri 'Red Robin'	PRR	30-40	C	3L	Branched	6	3/m ²
Photinia x fraseri 'Little Red Robin'	PRR	30-40	C	3L	Branched	6	4/m ²
Prunus laurocerasus 'Oria Lustan'	PcL	30-40	C	3L	Bushy	3	4/m ²
Stimmiia japonica 'Rubella'	SJR	30-40	C	3L	Bushy	3	5/m ²
Stipa tenuissima	St	/	C	5L	S or V	/	5/m ²
Viburnum x davidii	Vd	20-30	C	3L	Bushy	3	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	40-60	B	/	Transplant - seed raised	3	20%	1/m ²
Catalpa monogyna	Cm	1+1 or 1/1	60-80	B	/	Transplant - seed raised	/	20%	1/m ²
Ilex aquifolium	Ia	/	40-60	C	2L	Leader & Lateral	/	20%	1/m ²
Salix caprea	Sc	0/1	60-80	B	/	Branched	2	10%	1/m ²
Viburnum opulus	Vo	1+2 or 1/2	60-80	B	/	Branched	3	10%	1/m ²

* Native buffer to be planted at 1m centres in groups of 5, 7, 9, 11, 13, 15 or 17 of a single species.

** All wires and transplants to have rebait guards and mulch mats.

21-05-18	B	Landscape amended in line with latest site plan	DW	MS
20-05-18	A	Landscape amended in line with latest site plan	DW	MS
Revised		Description	DW	MS

Project Title

Proposed Development

Client

ALDI STORES LTD

Status

PLANNING

Scale

1:250

Drawn By

DW

Checked By

DW

Date

04/18

Drawing Title

Landscape Plan

Job-Design No.

V1847 L01

Rev

B

vector

design concepts

LANDSCAPE DESIGNERS

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