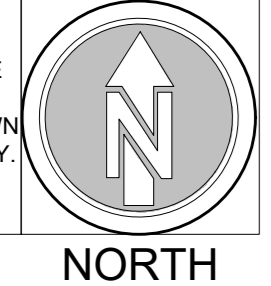


NOTE: SURROUNDING CONTEXTUAL BUILDINGS AND INFORMATION ARE BASED ON RECEIVED ORDINANCE SURVEY DRAWINGS AND ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. ASSUMED SITE BOUNDARY IS SUBJECT TO CONFIRMATION.



**SOFT LANDSCAPE KEY:**

- Existing trees / vegetation to be retained  
To be retained and protected in accordance with BS 5837:2012
- Existing trees / vegetation to be removed to facilitate development  
Refer to Arboricultural information for further details
- Proposed 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
- Existing grassland area to be made good if necessary  
with Rolawn Medallion lawn turf or similar approved
- Proposed ornamental bark mulch surface finish  
• 500mm wide maintenance / overrun nurseries to ornamental shrub planting areas

**SOFT LANDSCAPE SPECIFICATION NOTES**

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**  
Existing site won topsoil to be reused for soft landscape areas if sufficient quantities are available and the topsoil meets the criteria for multipurpose topsoil as defined in table 1 of BS3882:2015 specification for Topsoil.  
If imported topsoil is required it is 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 topsoiling to relieve compaction. Topsoil depths should be:  
- Areas for Ornamental Shrub Planting: minimum 400mm  
- Areas for cultivated turf: 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 fertilizer to be supplied and spread @ 50g/m<sup>2</sup> 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 detail.  
All plant material to comply with BS 3934 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 goring system in accordance with tree planting detail. All trees to be fitted with aeration and irrigation system in accordance with tree planting detail.  
If the trees are to be planted outside of the planting season (late October - Late March) then containerised stock to be used in lieu of root ball to the same specification - allowance to be made for this at tender stage if required once construction timetable is known and CA informed immediately.

**EXISTING SHRUBS**  
Existing shrubs to be trimmed back at appropriate time of year for the species and maintained in conjunction with the proposed planting. All pruning works should be carried out by an approved member of the Arboricultural Association or other approved specialist using approved methods for that species and should result in a balanced form of all sides.

**PROPOSED ORNAMENTAL SHRUB PLANTING**  
All shrubs to be positioned as shown on the drawing and to the density and specification noted 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.

**NATIVE HEDGE PLANTING**  
Areas to receive whip planting be cleared of all vegetation and cultivated as described above. Rotate areas to a minimum depth of 300mm to form an open textured free draining growing medium. Remove all stones and other debris larger than 50mm in any one direction and remove all litter and vegetation matter prior to planting.  
Each transplant to be fitted with an appropriate rabbit guard for the size and species and 500 x 500mm biodegradable GI Econmat by Green-Tech or similar approved. To be pruned / maintained as a hedge to a maximum height of 1.4 metres.

**EXISTING GRASSED AREAS TO BE MADE GOOD**  
If required, existing grassland areas to be made good with cultivated amenity turf laid in accordance with BS 3969:1998. Recommendations for turf for general purposes and BS 4428:1989 General Landscape Operations.  
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 including existing grass 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.  
Fertilizer: March application: 15:10:10 Spring turf fertilizer at 35g/m<sup>2</sup>.  
September application: 5:10:10 Autumn turf fertilizer at 50g/m<sup>2</sup>.

**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 first 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 (only if planted in the planting season otherwise containerised stock to be used).  
- 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 encourage decline of the area.  
Minimum frequency of maintenance visits:  
December / January / February & March - 1no. visit each month  
April to November - 2no. visits each month.  
Generally, during the first 12 months:  
- 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.  
- The condition of all trees 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.  
- Grassland areas be cut and maintained in accordance with specification note above.  
- 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.

Following the initial 12 month establishment period the ongoing landscape management will be the responsibility of an commercial landscape maintenance contractor under a landscape maintenance contract.

**GENERAL WATERING**  
All soft landscaping to be subject to a watering regime which is absolutely essential to ensure the continued success of the scheme, particularly during the initial 12 month establishment period. The watering frequency shown in the schedule to ensure the continued thriving of all grasses, hedges, trees and ornamental planting. During dry periods minimum weekly visits should be made to the site to ensure the soil has not dried out and to action watering if necessary. The soil should be checked for dryness using either a soil moisture sensor or by inserting a spade into the ground to a depth of 300mm to observe the appearance of the soil. If the soil is moist there is no need to water but if it is bone dry then watering procedure should be carried out immediately. Water supply should be from potable mains water or an approved alternative. The full depth of topsoil should be well watered without lowering or damaging plants. Any compacted soil should be broken up sufficiently to allow water to reach the rootzone.

**WATERING TREES**  
Trees to be watered in accordance with BS 8545:2014 Tree - From Nursery to Independence.  
Trees should be watered via the installed irrigation / aeration pipes around the base of the trees stem in accordance with the manufacturer's instructions to ensure the water reaches the roots of the tree.  
Below is a suggested watering regime but this should be used as a guide only and may require modification in times of drought or flood, dependant on the ground conditions of the time, which should be monitored as above:  
• March - October: 20 litres to be poured into irrigation pipe twice a week (40 litres in total)

**PLANTING SCHEDULES:**

Trees									
Name	Abb.	Form	Age	Girth	Height (cm)	Clear diam	Root	Density	Item
Acer campestre 5 tree whise	AcS	Standard extra heavy	3x	16-18	min 450	min 200	RB	4/m <sup>2</sup>	Item
Betula utilis 'Jaccquemontii'	BuJ	Standard extra heavy	3x	16-18	min 450	min 200	RB	4/m <sup>2</sup>	Item
Liquidambar styraciflua	Ls	Standard extra heavy	3x	16-18	min 450	min 200	RB	4/m <sup>2</sup>	Item
Prunus avium 'Pena'	PoP	Standard extra heavy	3x	16-18	min 450	min 200	RB	4/m <sup>2</sup>	Item
Prunus coccinea 'Charitaceae'	PoC	Standard extra heavy	3x	16-18	min 450	min 200	RB	4/m <sup>2</sup>	Item
Quercus robur	Qr	Standard extra heavy	3x	16-18	min 450	min 200	RB	4/m <sup>2</sup>	Item
Sorbus aucuparia 5 tree whise	SoS	Standard extra heavy	3x	16-18	min 450	min 200	RB	4/m <sup>2</sup>	Item
Tilia cordata 'Rancho'	TcR	Standard extra heavy	3x	16-18	min 450	min 200	RB	4/m <sup>2</sup>	Item

Specimen Shrubs									
Name	Abb.	Height	Root	Container	Habit	Breaks	Age	Density	Item
Amelanchier lamarckii	Al	250-300	RB	/	Multi Stem	/	3x	4/m <sup>2</sup>	Item
Prunum 'Yellow Wave'	PW	/	C	1.5L	Triple Crown	/	/	4/m <sup>2</sup>	Item

Ornamental Planting									
Name	Abb	Height	Root	Container	Habit	Breaks	Density	Item	
Cape ivy 'Aurad'	CAK	/	C	5L	Bushy	4	4/m <sup>2</sup>	Item	
Chalysia Hemata 'Undaria'	CHC	30-40	C	3L	Bushy	4	4/m <sup>2</sup>	Item	
Dicentra 'Donard Star'	EDS	40-60	C	3L	Bushy	4	4/m <sup>2</sup>	Item	
Euonymus fortunei 'Emerald & Gold'	EFG	20-30D	C	5L	Bushy	7	5/m <sup>2</sup>	Item	
Euonymus fortunei 'Silver Queen'	EFG	20-30D	C	5L	Bushy	7	5/m <sup>2</sup>	Item	
Hebe 'Blue gem'	HBC	30-40	C	3L	Bushy	9	5/m <sup>2</sup>	Item	
Hebe 'rakaiensis'	HR	30-40	C	5L	Bushy	9	5/m <sup>2</sup>	Item	
Hebe 'Red Edge'	HRE	30-40	C	5L	Bushy	9	5/m <sup>2</sup>	Item	
Hebe 'Mrs Winder'	HMW	40-60	C	5L	Bushy	9	4/m <sup>2</sup>	Item	
Hypericum 'Madocote'	HH	30-40	C	3L	Bushy	5	4/m <sup>2</sup>	Item	
Lonicera nitida 'Baggesens Gold'	LNBG	30-40	C	3L	Bushy	3	4/m <sup>2</sup>	Item	
Lonicera nitida 'Midgreen'	LNM	30-40D	C	3L	Bushy	6	5/m <sup>2</sup>	Item	
Mahonia aquifolium 'Apollo'	Ma	30-40	C	3L	Branched	3	4/m <sup>2</sup>	Item	
Pharum 'Pink Panther'	PPP	/	C	7L	Triple Crown	/	3/m <sup>2</sup>	Item	
Pharum 'Irisen Little Red Robin'	PIRL	30-40	C	3L	Branched	6	4/m <sup>2</sup>	Item	
Prunus laurocerasus 'Otto Luyken'	PIOL	30-40	C	3L	Bushy	3	4/m <sup>2</sup>	Item	
Sarcococca confusa	SC	20-30	C	3L	Bushy	4	5/m <sup>2</sup>	Item	
Skimmia japonica 'Rubella'	SJR	30-40	C	3L	Bushy	3	5/m <sup>2</sup>	Item	
Viburnum davidii	VD	20-30	C	3L	Bushy	3	5/m <sup>2</sup>	Item	

Native Buffer Planting									
Name	Abb	Age/Condition	Height	Root	Container	Habit	Breaks	% in Mix	Density
Cornus sanguinea	Cs	1+1 or 1/1	40-60	B	/	Branched	2	15%	1/m <sup>2</sup>
Cornus ovata	Co	1+2 or 1/2	40-60	B	/	Branched	3	10%	1/m <sup>2</sup>
Cratogeomys	Cr	1+1 or 1/1	60-80	B	/	Transplant - seed raised	7	30%	1/m <sup>2</sup>
Ilex aquifolium	Ia	/	40-60	C	2L	Leader & Laterals	/	15%	1/m <sup>2</sup>
Ligustrum vulgare	Lv	1+1 or 1/1	60-80	B	/	Branched	3	10%	1/m <sup>2</sup>
Salix caprea	Sc	0/1	40-60	B	/	Branched	2	10%	1/m <sup>2</sup>
Viburnum opulus	Vo	1+2 or 1/2	40-60	B	/	Branched	3	10%	1/m <sup>2</sup>

\* Native buffer to be planted at 1m centres in groups of 5, 7, 9, 11, 13, 15 or 17 of a single species.  
\* All whips and transplants to have rabbit guards and mulch mats.

Date	Description	By	Check
01.11.2021	20% revision updated	AS	AS
02.11.2021	Updated to co-ordinate with Architects revised site plan	AS	AS
03.11.2021	Updated to co-ordinate with Architects revised site plan	AS	AS
04.11.2021	Updated to co-ordinate with Architects revised site plan	AS	AS
05.11.2021	Updated to co-ordinate with Architects revised site plan	AS	AS
06.11.2021	Updated to co-ordinate with Architects revised site plan	AS	AS
07.11.2021	Updated to co-ordinate with Architects revised site plan	AS	AS
08.11.2021	Updated to co-ordinate with Architects revised site plan	AS	AS
09.11.2021	Updated to co-ordinate with Architects revised site plan	AS	AS
10.11.2021	Updated to co-ordinate with Architects revised site plan	AS	AS

Project file: Proposed Aldi Foodstore  
Westgate Skelmersdale  
000-000-000  
V2269 L01  
Client: Aldi Stores Ltd  
Status: PLANNING  
Scale: 1:250  
Drawn by: DW  
Checked by: AS  
Date: 09/18

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