

Landscape Management Plan



Tyler
Grange

ALDI, Porthcawl
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Plan:

13901/P02b Soft Landscaping Proposals



Section 1: Introduction

Purpose

- 1.1 This Landscape Management Plan (LMP) has been prepared by Tyler Grange Group Limited on behalf of ALDI Stores Ltd for a proposed ALDI store and associated landscaping at Porthcawl (hereafter referred to as the 'site'). The site is centred on OS grid reference SS 82042 76921.
- 1.2 The purpose of the Landscape Management Plan is to provide details of measures to ensure the successful establishment and ongoing maintenance of the soft landscape elements of the development proposals.
- 1.3 This Landscape Management Plan should be read in conjunction with the Soft Landscaping Proposals 13901/P02b.

Scope of the Landscape Management Plan

- 1.4 This Landscape Management Plan is set out as follows:
 - Section 2 describes the site, and provides an overview of the existing landscape and its condition;
 - Section 3; describes the proposed soft landscaping;
 - Section 4 sets out the long-term design objectives;
 - Section 5 sets out the management regimes and responsibilities; and
 - Section 6 sets out the maintenance operations for all the soft landscape areas.

Section 2: Site Overview of Existing Landscape and its Condition

Site Context

- 2.1 The site is primarily an area of poor semi-improved grassland located to the east of Porthcawl town, adjacent to the promenade and Sandy Bay beach. It is bound to the north and east by Eastern Promenade and Coney Beach amusement park, to the west, Portway roundabout and to the south by a continuation of the poor semi-improved grassland and hardstanding present onsite, used as a car park.
- 2.2 The site forms part of the wider 'Porthcawl Waterfront Regeneration Area' as defined by the Local Development Plan Policy PLA3(8)2, an area allocated for mixed use development in the Bridgend Local Development Plan (2013)3 and is the subject of the Seven Bays Project - Porthcawl Waterfront - Supplementary Planning Guidance (SPG) 2007



Section 3: Proposed Soft Landscaping

- 3.1. Details of proposed soft landscaping are found at Appendix 1.
- 3.2. Soft landscaping within the site is designed to:
- Create an attractive and appropriate setting for the ALDI store, providing year-round interest and colour; and
 - Introduce a strong soft landscape framework with planting to the perimeter of the site including trees, selected to maximise biodiversity and suitable for a coastal environment.
- 3.3. 41 new trees are proposed (*Pinus pinea*, *Pinus nigra* var. *austriaca*, *Quercus ilex*, *Sorbus aria* 'Majestic'). The selection of native species and trees of upright form will minimise future requirements for pruning, and root barriers are proposed to provide protection to underground services. The planting size, pattern and spacing of new trees will give a stronger visual effect and will result in well-formed specimens within the urban context, without detriment to pedestrian and vehicle safety.
- 3.4. A native hedge is proposed to the eastern boundary which will provide some softening to the built environment and habitat for wildlife. The species selection for the native hedgerow will include *Alnus glutinosa*, *Crataegus monogyna*, *Ligustrum vulgare*, *Prunus spinosa*, *Rosa canina*.
- 3.5. Selected forms of evergreen shrubs and grasses that are suited to a coastal environment will provide amenity value year-round, with interest in bark colour in autumn and winter through the car park and planting beds. These will provide structure and interest with a variation in species and colour to create visual amenity.
- 3.6. A coastal meadow mixture (*British Wildflower Seeds Coastal Meadow Seed Mix*) is proposed for its ecological value in the rain garden areas and grass areas to the rear of the store.
- 3.7. The ground around the proposed shrubs will be bark mulched to conserve moisture and reduce weed growth.
- 3.8. Soil additives are to be incorporated into the topsoil to all newly planting areas to provide a suitable growing medium.
- 3.9. Proposed trees with root balls are to be planted with double stakes and ties to provide anchorage.

Section 4: Long Term Design Objectives

Proposed trees

- 4.1. The long-term design and management objective is to ensure the trees thrive and to promote the character of the tree, to develop to an even form. Branches should only be removed so as to retain the natural appearance of the individual plant species or to remove broken or badly damaged branches and dead wood. Tree surgery such as crown lifting should be carried out as required to prevent restriction to pedestrians or vehicles.

Proposed shrubs

- 4.2. The long-term design objective of the shrub planting is to ensure the plants thrive to create shrubbery for local amenity and habitat for wildlife. Planting will be managed to achieve a maximum height of 2.5 metres. Pruning should be undertaken to promote flowering and fruiting in accordance with the species and age of the plant. The *Cornus sp.*, (dogwood) grown for coloured stems will be regularly pruned to coppice. This should be carried out during the dormant season, but outside the bird nesting season.

Proposed Native Hedgerow

- 4.3. Native hedgerows are to be incorporated into the eastern boundary as shown on the planting plan. Bare root stock is to be planted in a double staggered row to establish a natural hedgerow.
- 4.4. Native hedgerow planting will be managed to achieve a maximum height of 2.5m.
- 4.5. The ground around the hedgerow transplants will be bark mulched to conserve moisture and reduce weed growth.
- 4.6. Careful trimming and pruning will be required in the early years to ensure the development of a well-clothed hedge. Trimming should aim to form an 'A' profile.

All Hedging

- 4.7. Inspect monthly for the first year and maintain shrubs/hedging in a weed free condition through combined techniques by hand, herbicides, cultivation and mulching.
- 4.8. Prune or clip to promote bushy, healthy growth and required shape when necessary.
- 4.9. Trimming back of growth overhanging adjacent footpaths or windows when required.
- 4.10. Remove/replace individual specimens as required.

Grassland Meadow Mix Seeding

- 4.11. Most of the sown meadow species will consist of perennials which will be slow to germinate and grow and are therefore unlikely to flower during the first growing season. The resulting planting will consist of mainly annual weeds within the first growing season which will require topping or mowing.



- 4.12. When sowing within the autumn period, spring and summer cuts of the species are not to occur within the first growing season. Once the annual planting has flowered cuts are to occur within the mid-summer period and any excess vegetation is to be removed. It is important to cut back annuals before they die back, set seed and collapse. This cut will reveal the developing meadow mixture and give it the space required to develop.
- 4.13. In the second and subsequent years the wildflower seeding areas will require different cutting regimes which will be based on ecological requirements.
- 4.14. A summer 'hay cut' in combination with autumn and possibly spring mowing is required for these seed mixes. In order to allow sown species to flower the meadow area must not be cut from spring to the mid-summer period (July / August) until the species have flowered. After flowering has occurred a hay cut is to be completed using a scythe, petrol trimmer or tractor mower to approximately 50mm and the arisings left spread out over the ground for 1 to 7 days in order for seeds to be shed before the arisings are removed from the site.
- 4.15. Meadow areas will include two contrasting mowing regimes, the core areas being maintained as longer 'meadows' and the borders and edges (primarily where they adjoin paths, roads or properties) being maintained as short grass or 'close mown' to ensure that a neat and managed appearance is maintained throughout the development.
- 4.16. Areas with longer grass will be cut to 50mm three times a year in early spring, mid-summer and late autumn). Arisings to be removed.



Section 5: Management Regimes and Responsibilities

- 5.1. The landscaping works will receive post installation maintenance for a one-year defects liability period (DLP). All defects resulting from plant loss, disease, or failure to thrive will be replaced on a like for like basis. A visit every two months, more frequently should watering be required, is recommended during the DLP. Subsequently a minimum of two maintenance visits per annum is recommended.
- 5.2. Maintenance and management activities are set out below (which covers a minimum period of five years) to ensure the soft landscaping is managed effectively beyond the time limits of the implementation and establishment works. The responsibility for this management and maintenance to be agreed. TG recommendation is for the landscape contractor that undertakes the planting works to be engaged to carry out the one-year establishment maintenance.
- 5.3. Management and maintenance operations will be monitored and reviewed annually on an on-going basis and where required, modified if the operations and frequencies set out do not deliver the required results or meet the specific aims and objectives.
- 5.4. As a minimum, maintenance visits should be undertaken to inspect, monitor as well as to carry out routine operations, including weeding and litter picking, with other specific operations being undertaken as scheduled below.

Section 6: Soft Landscaping Maintenance Work Schedule

Component	Task	Time of Year	Frequency
<i>Visits every two months throughout the one-year defects and establishment period, more frequently if required due to prologued dry weather conditions and the need for watering. Subsequently management and maintenance operations will be monitored and reviewed annually on an on-going basis and where required modified if the operations and frequencies set out do not deliver the required results or meet the specific aims and objectives.</i>			
Trees:	Prune and repair wounds in accordance with good horticultural and arboricultural practice.	Oct to Feb	As required (annually)
	Check the ties regularly for rubbing and adjust if necessary. Constriction of the stem by ties happens very quickly, so fast-growing trees need frequent checking. After bad weather, check for abrasion and snapped stakes or ties. Re-firm tree by adjusting tree ties and ensuring soil is re-firmed around the base.	Feb and after strong winds, frost heave and other disturbances.	As required (annually)
	Hand weed mulched areas around trees.	June to Sept	every visit
	Apply suitable non-selective herbicide to control weeds.	April / Oct	(only if required)
	Replace any failed specimens.	Oct to March	As required during the one-year DLP (next available planting season)
	Remove debris / litter	Throughout	every visit
	Top up bark mulch around bases of trees to full depth of 75mm.	April	As required during the two-year DLP
	Newly planted trees will be watered throughout May – August months after any period of four weeks without significant rain to thoroughly wet the top 150mm of soil around the tree roots.	Throughout	As required after a period of four weeks without significant rainfall
	Trimming and selective thinning of the canopy. Trim back growth overhanging adjacent footpaths when required.	Oct to March	Annually if required
	In years 2 and onwards remove staking if tree has established well and the stakes are no longer required.	Any	As required
Shrub Planting	Trimming and reshaping to encourage healthy bushy growth. Trim back growth overhanging adjacent footpaths when required.	Oct to March	Annually if required
	Trimming of shrub planting around the car park to be maintained up to 400mm.	Oct to March	Annually if required
	Hand weed	Throughout	Every visit



	Apply suitable non-selective herbicide to control weeds.	April to Sept	(only if required)
	Remove debris / litter	Throughout	Every visit
	Replace any failed specimens	Oct to March	Within the two-year DLP, as required (next available planting season)
	Top up bark mulch around bases of shrubs to full depth of 75mm.	April	As required during the two-year DLP
	Watering of newly established shrubs.	Throughout	As required after a period of four weeks significant rainfall, during the DLP
Native Hedgerow	Re-shaping	Hard-prune Oct to Feb	Annually if required
	Hand weed	Throughout	Monthly/every visit
	Apply suitable non-selective herbicide to control weeds.	April to Sept	As required
	Apply fertiliser: Slow release, applied as per manufacturer's recommendations.	Mar / April	Annually
	Remove debris / litter	Throughout	Monthly/every visit
	Replace any failed specimens.	Oct to March	As required (next available planting season)
	Top up bark mulch hedge base to full depth of 75mm.	April	Annually
	Watering of newly established hedgerows.	Throughout	As required after a period of four weeks without significant rainfall.
	Trim and top hedgerow as necessary avoiding bird nesting season.	February	As required (annually)
Grassland Meadow Mix	Repair eroded areas – rotovate to 150mm, seed with appropriate mixes as per planting schedule.	May to Sept	As required (annually)
	Remove debris / litter	Throughout	Monthly (every visit)
	Neat edges - cut fortnightly and remove arisings in areas of close mown grass.	March to October	Fortnightly
	Cut to 50mm	March to October	3 times per year
	Spot treatments of noxious weeds using selective herbicides.	Throughout	As required (Annually)



Plan:

13901/P02b Soft Landscaping Proposals



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- Site Boundary
- Proposed Semi-Mature Tree
- Proposed Extra-Heavy Standard Tree
- Proposed Multi-Stem Tree
- Proposed Specimen Shrub
- Proposed Ornamental Planting Area
- Proposed Mixed Native Coastal Hedgerow
- Proposed Ornamental Hedgerow
- Proposed Coastal Meadow Seed Mix (British Wildflower Seeds - Sowing Rate 4g/m²)
- Proposed Turf

Rev Description Date



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Planting Schedule

Number	Species	Height	Girth	Specification
10	Quercus ilex	300-350cm	12-14cm	Extra-heavy standard; RB: Clear Stem min. 150cm
5	Quercus ilex	min. 500cm	50-55cm	Semi-Mature; 4x; RB: Clear Stem min. 175cm
2	Sorbus aria 'Majestica'	300-350cm	30-35cm	Extra-heavy standard; RB: Clear Stem min. 150cm
10	Sorbus aria 'Majestica'	500-600cm	30-35cm	Semi-Mature; 4x; RB: Clear Stem min. 200cm
Total: 27				

Number	Species	Height	Girth	Specification
8	Pinus nigra var. austriaca	600-700cm	30-35cm	7x; Semi-mature; 200-300cm spread; clear stem minimum 200cm
6	Pinus pinea	250-300cm		Multi-stem; 3 stems minimum; RB
Total: 14				

Number of Plants	Species	Height	Pot Size	Specification	Density
5	Phormium tenax 'Variegatum'	80-100cm	15-25L	Triple Crown; C	Counted
6	Tamarix tetrandra	80-100cm	25L	Branched; 7 brks; C	Counted
14	Tamarix aestivalis	80-100cm	25L	Bushy; 7 brks; C	Counted
Total: 25					

Number	Species	Height	Pot Size	Specification	Density
85	Berberis thunbergii	40-60cm	3L	Branched; 5 brks; C	2/m ²
151	Berberis x ottawensis 'Superba'	30-40cm	2L	Branched; 3 brks; C	3/m ²
149	Cistus 'Graywood Pink'	20-30cm	2L	Bushy; 3 brks; C	4/m ²
498	Cistus 'Silver Pink'	20-30cm	2L	Bushy; 3 brks; C	4/m ²
14	Cortaderia selloana	10L	Full Pot; C		1/m ²
63	Elaeagnus x ebbingei	60-80cm	5-7.5L	Branched; 4 brks; C	1/m ²
287	Erica carnea 'Pink Spangles'	2L	Bushy; C		6/m ²
220	Erica carnea 'Springwood Pink'	2L	Bushy; C		6/m ²
152	Escallonia 'Apple Blossom'	40-60cm	5L	Bushy; 4 brks; C	3/m ²
52	Escallonia 'Donard Radiance'	40-60cm	5L	Bushy; 5 brks; C	2/m ²
44	Escallonia rubra 'Crimson Spire'	60-80cm	5L	Bushy; 5 brks; C	2/m ²
452	Euonymus fortunei 'Emerald Gaiety'	20-30cm	2L	Bushy; 5 brks; C	4/m ²
87	Griselinia littoralis	60-80cm	5-7.5L	Bushy; 5 brks; C	1/m ²
50	Griselinia littoralis	60-80cm	5-7.5L	Bushy; 5 brks; C	4/m ²
167	Hebe 'Amy'	20-30cm	2L	Bushy; 3 brks; C	3/m ²
240	Hebe 'White Gem'	20-30cm	2L	Bushy; 3 brks; C	3/m ²
208	Lavandula angustifolia 'Hidcote'	15-20cm	2L	Bushy; 5 brks; C	4/m ²
94	Leymus arenarius	2L	Full Pot; C		4/m ²
25	Pyracantha 'Orange Glow'	40-60cm	2L	Leader with Lateral; 2 brks; C	2/m ²
Total: 3016					

Number	Species	Height	Specification	Density	Percentage Contribution
54	Alnus glutinosa	60-80cm	1+1; Transplant - seed raised; Rabbit spiral & cane 0.5Cr Double Staggered at 0.3m offset	15%	
103	Crataegus monogyna	60-80cm	1+1; Transplant - seed raised; Rabbit spiral & cane 0.5Cr Double Staggered at 0.3m offset	50%	
54	Ligustrum vulgare	60-80cm	1+1; Transplant - seed raised; Rabbit spiral & cane 0.5Cr Double Staggered at 0.3m offset	15%	
54	Prunus spinosa	60-80cm	1+1; Transplant - seed raised; Rabbit spiral & cane 0.5Cr Double Staggered at 0.3m offset	15%	
90	Rosa canina	60-80cm	1+1; Transplant - seed raised; Rabbit spiral & cane 0.5Cr Double Staggered at 0.3m offset	25%	
Total: 360					

Number	Species	Height	Pot Size	Specification	Density
41	Crambe cordifolia	2L	Full pot		3/m ²
Total: 41					



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