

ALDI Store Neath Abbey Road, Neath (Planning Application Reference P2019/5304 12740_R02c_Scheme of Biodiversity Enhancement Measures

1.0 Introduction

- 1.1 This scheme of biodiversity enhancement measures has been prepared by Tyler Grange on behalf of ALDI Stores Ltd in respect of a proposed new store off Neath Abbey Road, Neath, herein referred to as the 'site'.
- 1.2 A detailed planning application for the demolition of an existing building and construction of a new ALDI store with associated infrastructure and landscaping at the site was submitted to Neath Port Talbot Council (planning ref: P2019/5304). Comments have subsequently been received by the Biodiversity Implementation Officer dated 27th January 2020 which have recommended that further information is required as follows:
- "Details of biodiversity enhancement measures in line with Planning Policy Wales 10 and section 6 of the Environment (Wales) Act 2016."*
- 1.3 This scheme therefore sets out measures which will be implemented at the site to provide ecological and biodiversity benefit. As the site was previously predominantly built form the application was supported by a Bat Survey and Assessment (Tyler Grange, 2019).
- 1.4 In March 2021 the site proposals, including the soft landscaping plans, were updated in response to a need to provide additional drainage features to mitigate for adverse impacts from runoff. The re-designed proposals now include a number of new detention basins which have been designed in accordance with the Statutory standards for sustainable drainage systems produced by the Welsh Government (2018)¹ and approved by the SuDS Approval Body (SAB).
- 1.5 In December 2021 the site proposals were again amended to include additional land as part of revised access for the adjacent CSN Precision Engineering buildings. As part of this amendment to the proposals, additional areas of landscape planting and new attenuation features were included.
- 1.6 This scheme of Biodiversity Enhancement Measures has therefore been updated in December 2021 to reflect these latest changes to the proposals.
- 1.7 Measures to create new areas of biodiversity importance within the scheme include the provision of wildflower grassland, wetland wildflower seeding in detention basins, native hedgerow creation and ornamental shrub and tree planting (see **Appendix 1**). Furthermore, specific management prescriptions will be implemented to enhance the ecological importance of the newly created habitats and to maximise opportunities for wildlife.
- 1.8 Within the additional land included as part of the revised access, new areas of wildflower grassland and wetland wildflower seeding in detention basins are to be included (see **Appendix 2**). Post development these additional areas of planting will be managed in accordance with the prescriptions implemented for the site as a whole and which are detailed below.

¹ Statutory standards for sustainable drainage systems – designing, constructing, operating and maintaining surface water drainage systems – Welsh Government (2018)

2.0 Existing Baseline

Habitats

- 2.1 The site is dominated by hardstanding, close-mown grassland and a single, small building. Along the western boundary of the site are a line of cypress trees and birch. Outside of the site, there are industrial buildings to the south and west, with residential housing to the east.



Figure 1: Aerial photograph.

Protected Species

- 2.2 The site offers limited potential for protected and notable species. The conclusions of the bat report were that no evidence or potential for bats was identified within the current building on site. It was concluded that demolition would not affect bats and due to the sub-optimal nature of the habitats and surroundings for bats, along with the ambient light levels at night, no enhancements (e.g. bat boxes) were recommended.

3.0 Enhancement Strategy

- 3.1 The proposed development has been designed to include opportunities for wildlife and retain and protect the mature trees, which are the only important feature present. The enhancement measures which have been incorporated into the soft landscaping of the site include ornamental shrub and tree planting, native hedgerow creation and new native wildflower meadow and wetland wildflower meadow in detention basins. In addition, the proposed ornamental planting would provide food sources for a variety of invertebrates and birds. New areas of native wildflower meadow and wetland wildflower meadow in detention basins are also to be included in the adjacent access land.

- 3.2 The creation of habitats at the site will mitigate for the loss of amenity grassland, providing a habitat which is more botanically diverse than existing and increasing biodiversity (see **Tables 3.1, 3.2** and **Appendix 1** and **2** for species mixes). These habitats will be managed to provide a habitat with a diverse structure that will benefit a range of species including invertebrates and birds.

Emorsgate EH1 – Hedgerow mix for shaded areas		
%	Latin name	Common name
0.1	<i>Achillea millefolium</i>	Yarrow
0.1	<i>Alliaria petiolata</i>	Garlic Mustard
0.1	<i>Angelica sylvestris</i>	Wild Angelica
1	<i>Arctium minus</i>	Lesser Burdock
0.2	<i>Centaurea nigra</i>	Common Knapweed
0.5	<i>Chaerophyllum temulum</i>	Rough Chervil
1	<i>Daucus carota</i>	Wild Carrot
3	<i>Dipsacus fullonum</i>	Wild Teasel
0.5	<i>Filipendula ulmaria</i>	Meadowsweet
3	<i>Galium album</i> - (<i>Galium mollugo</i>)	Hedge Bedstraw
0.1	<i>Geranium pratense</i>	Meadow Crane's-bill
3.9	<i>Heracleum sphondylium</i>	Hogweed
0.5	<i>Hyacinthoides non-scripta</i>	Bluebell
1	<i>Leucanthemum vulgare</i>	Oxeye Daisy - (Moon Daisy)
4	<i>Malva moschata</i>	Musk Mallow
0.1	<i>Plantago lanceolata</i>	Ribwort Plantain
0.2	<i>Rumex acetosa</i>	Common Sorrel
0.1	<i>Saponaria officinalis</i>	Soapwort
0.5	<i>Silene latifolia</i>	White Campion
0.1	<i>Silene vulgaris</i>	Bladder Campion
20		
Grasses		
%	Latin name	Common name
10	<i>Agrostis capillaris</i>	Common Bent
2	<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass (w)
2	<i>Brachypodium sylvaticum</i>	False Brome (w)
25	<i>Cynosurus cristatus</i>	Crested Dogstail
1	<i>Deschampsia cespitosa</i>	Tufted Hair-grass (w)
28	<i>Festuca rubra</i>	Slender-creeping Red-fescue
12	<i>Poa nemoralis</i>	Wood Meadow-grass
80		

Table 3.1. Emorsgate EH1 – Hedgerow Meadow Mixture (see Appendix 1 and Appendix 2).

Swale Seed Mix – Wildflower mix for detention basins		
%	Latin name	Common name
0.5	<i>Achillea ptarmica</i>	Sneezewort
1.0	<i>Alisma plantago-aquatica</i>	Water-Plantain
2.0	<i>Angelica sylvestris</i>	Wild Angelica
1.0	<i>Cardamine pratensis</i>	Cuckoo Flower
1.0	<i>Dipsacus Fullonum</i>	Teasel
1.0	<i>Eupatorium cannabinum</i>	Hemp Agrimony
2.5	<i>Filipendula ulmaria</i>	Meadowsweet
1.0	<i>Mentha aquatica</i>	Water Mint
1.0	<i>Myosotis scorpiodes</i>	Water Forget-Me-Not
2.5	<i>Iris pseudacorus</i>	Yellow Iris
1.5	<i>Lotus pedunculatus</i>	Greater Birdsfoot Trefoil
1.0	<i>Lychnis Flos-cuculi</i>	Ragged Robin
1.7	<i>Lycopus europaeus</i>	Gypsywort
1.0	<i>Lythrum salicaria</i>	Purple Loosestrife

0.3	<i>Pulicaria dysentrica</i>	Fleabane
1.0	<i>Succisa pratensis</i>	Devil's Bit Scabious
20		
Grasses		
8.0	<i>Agrostis stolonifera</i>	Creeping Bent
4.0	<i>Alopecurus pratensis</i>	Meadow Foxtail
2.0	<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass
1.0	<i>Briza media</i>	Quaking Grass
40.0	<i>Cynosurius cristatus</i>	Crested Dogtail
1.0	<i>Deschampsia cepitosa</i>	Tufted Hair-Grass
24.0	<i>Festuca rubra ssp juncea</i>	Slender Creeping Red Fescue
80%		

Table 3.2. NPTCBC SAB preferred mix specification (see Appendix 1 and Appendix 2)

- 3.3 The new native hedgerow planting within the site will be managed to create dense vegetation to benefit wildlife, such as invertebrates and nesting birds (see **Appendix 1** for species mix). This habitat is being created along the southern and western boundary of the site and links to the other areas of landscape planting also being created, including wildflower grassland.
- 3.4 New tree planting, including species of known wildlife benefit, will be provided along the boundaries of the site and within the central areas of the car park creating a net gain in trees, increasing species diversity, and therefore providing enhanced opportunities for wildlife, such as invertebrates and birds (see **Appendix 1** for species mix).
- 3.5 In addition to the above, areas of amenity planting (ornamental shrub), some of which will include species which produce berries providing additional food sources for birds, will also take place across the site (see **Appendix 1**). This new planting will further assist with increasing biodiversity and providing additional benefits for wildlife including invertebrates.
- 3.6 Newly created and retained habitats will be managed to maximise the biodiversity value of the habitats and opportunities for wildlife. Further detail is provided in the work schedule provided in Section 4 and include:
- Trees and scrub managed annually as necessary and outside of the breeding bird season to prevent encroachment of this habitat; and
 - Wildflower grassland managed as per the requirements set out on the landscape specifications in **Appendix 1**.
- 3.7 Further to the above, new areas of wetland and wildflower grassland, utilising the same species mixes as described above, will be created as part of the revised site access (see **Appendix 2**). This new planting will further assist with increasing biodiversity and providing additional benefits for wildlife including invertebrates.
- 3.8 In addition to the habitat enhancement measures detailed above, to provide a further enhancement for birds, four nesting boxes including four woodstone Alicante boxes (Vivara Pro) or similar suitable for robins, blackbirds, wrens and similar garden species. These would be installed on retained trees along the western boundary of the site.

4.0 Work Schedule

- 4.1 The prescribed management actions, including implementation timetable and responsibilities, are summarised in table form over the page and should be read in conjunction with the detailed Landscape Maintenance and Management Plan for the site produced by Cambium (see **Appendix 3**).

Ecology Management Prescriptions and Timetable				
Prescription	Rationale for Habitat Creation/ Management	Management Tasks	Timing	Responsibility
New tree and hedgerow planting	Trees and hedgerow to be planted, increasing biodiversity, as well as nesting and foraging habitat creating a further ecological enhancement.	New trees and hedgerow to be planted, including native species and those species of known value to wildlife (as illustrated in Appendix 1).	Prior to the occupation of the store where practicable or in the next planting season following occupation.	Landscape Contractor
		All new trees within the site will be monitored for 12 months with any trees that die, become seriously damaged or diseased to be replaced.	Allow for the use of container grown stock during the period 1 April to 31 October, and field grown stock from 1 November to 31 March.	
		Management of new trees will be undertaken as required with trees allowed to grow naturally to maximise their landscape screening (see Appendix 3).	If necessary, between March and August, checks for nesting birds by an ecologist required.	
Wildflower grassland creation	Creation of native hedgerow meadow and wetland wildflower in detention basins will increase biodiversity, compensate for the loss of grassland and increase foraging opportunities for wildlife such as birds and invertebrates.	<u>Topsoil stripping / deposition.</u> Imported subsoil to be certified in accordance with BS8601:2013. Storage, handling and placement of topsoil should comply with BS8601:2013 and BS3882:2015. Subsoil and topsoil to be loose filled in layers of 300mm and lightly consolidated.	Prior to the occupation of the store where practicable or in the next planting season following occupation.	Landscape Contractor to sow seed – thereafter Landscape Contractor

		<u>Sowing</u> Sow the Emorsgate EH1 – Hedgerow and swales seed mixtures (see Appendix 1 and 2).	Autumn or spring but can be sown at other times of the year if there is sufficient warmth and moisture.	
		<u>Cutting (First Year)</u> Wildflower meadow cut to 50mm Swale grassland cut to 100mm (see Appendix 3 for details)	See Appendix 3 for timings	
		<u>Maintenance thereafter:</u> Cut as required to remove excess grass. Leave the hay to dry for 1-7 days then remove (see Appendix 3 for details).	March and October (See Appendix 3 for timings)	
Provision of bird nesting opportunities.	To provide additional nesting opportunities and to create an ecological enhancement post-development and to attract species not currently identified as nesting on site.	Four bird nesting boxes will be installed on retained trees along the western boundary of the site within suitable habitat.	During construction phase.	Developer, advised as necessary by Ecologist.
Monitor new planting	To ensure the success of the new planting and associated ecological benefits.	All new planting within the site will be monitored for a 12 month period following completion of the development and any trees or plants that die, become seriously damaged or diseased will be removed and replaced in the next planting season with other trees or plants of a similar size and species as those originally planted (see Appendix 3)	See Appendix 3 for timings	Landscape Contractor to undertake works – advised as necessary by Ecologist and Arboriculturalist.

5.0 Summary and Conclusions

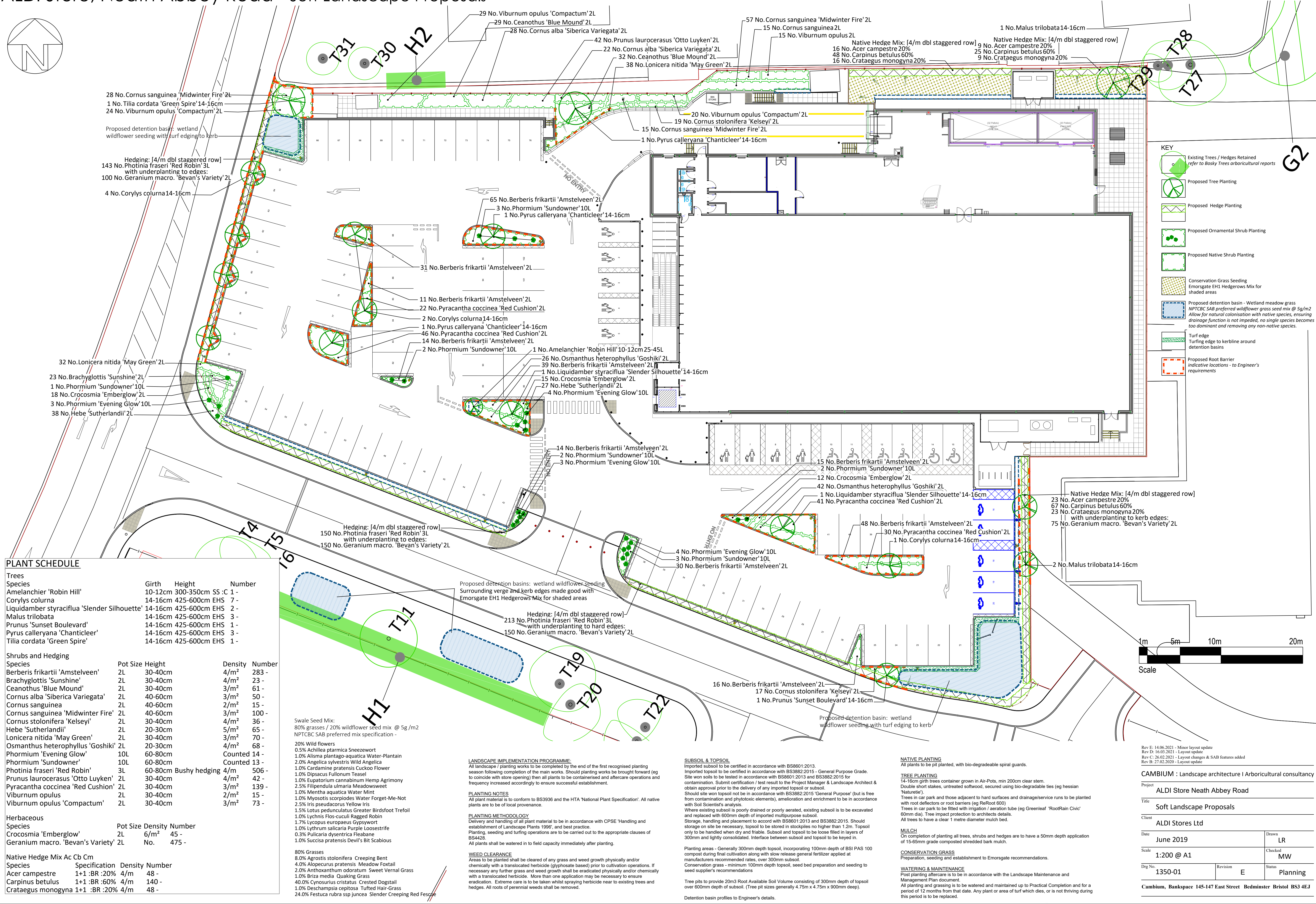
- 5.1 The implementation of the new habitat creation, habitat enhancement and management prescriptions detailed above would provide new features which would deliver a biodiversity enhancement post-development. Overall these measures will provide additional habitats and foraging opportunities for wildlife, increase biodiversity and opportunities for a range of protected and priority species. As such, the above strategy would be in conformity with Planning Policy Wales Edition 10 and section 6 of the Environment (Wales) Act 2016 and could be controlled by a condition to the planning approval.

The contents of this report are valid at the time of writing. Tyler Grange shall not be liable for any use of this report other than for the purposes for which it was produced. Owing to the dynamic nature of ecological, landscape, and arboricultural resources, if more than twelve months have elapsed since the date of this report, further advice must be taken before you rely on the contents of this report. Notwithstanding any provision of the Tyler Grange Terms & Conditions, Tyler Grange shall not be liable for any losses (howsoever incurred) arising as a result of reliance by the client or any third party on this report more than 12 months after the date of this report.



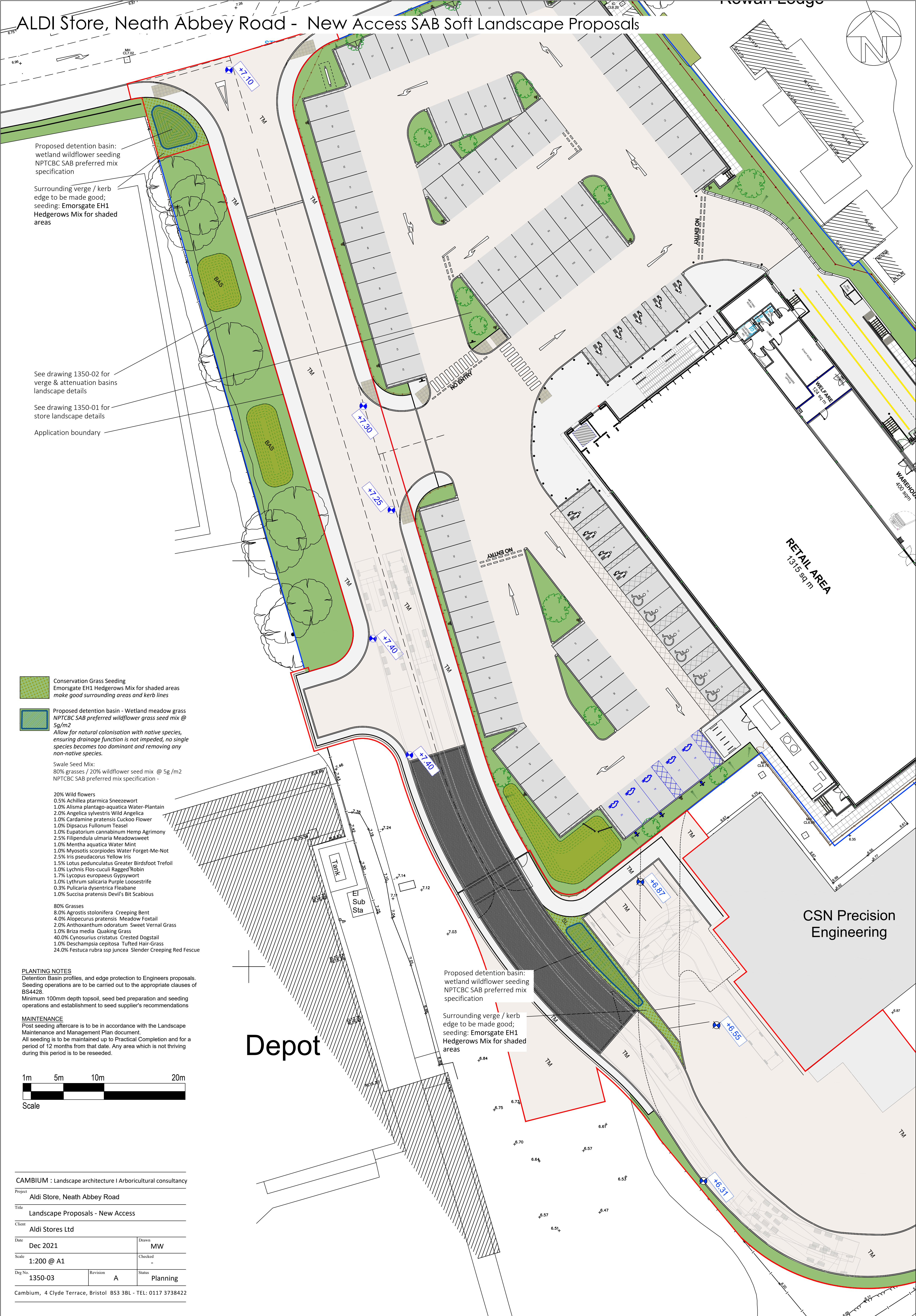
Appendix 1: Soft Landscape Proposals Plan - 1350-01 (Rev E)

ALDI Store, Neath Abbey Road - Soft Landscape Proposals





Appendix 2: Landscape Proposals – New Access - 1350-03 (Rev A)



Proposed detention basin:
wetland wildflower seeding
NPTCBC SAB preferred mix
specification

Surrounding verge / kerb
edge to be made good;
seeding: Emorsgate EH1
Hedgerows Mix for shaded
areas

See drawing 1350-02 for
verge & attenuation basins
landscape details

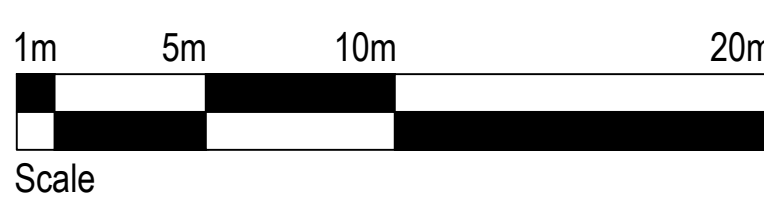
See drawing 1350-01 for
store landscape details

Application boundary

- Conservation Grass Seeding**
Emorsgate EH1 Hedgerows Mix for shaded areas
make good surrounding areas and kerb lines
- Proposed detention basin - Wetland meadow grass**
NPTCBC SAB preferred wildflower grass seed mix @
5g/m2
Allow for natural colonisation with native species,
ensuring drainage function is not impeded, no single
species becomes too dominant and removing any
non-native species.
- Swale Seed Mix:**
80% grasses / 20% wildflower seed mix @ 5g /m2
NPTCBC SAB preferred mix specification -
- 20% Wild flowers
0.5% Achillea ptarmica Sneezewort
1.0% Alisma plantago-aquatica Water-Plantain
2.0% Angelica sylvestris Wild Angelica
1.0% Cardamine pratensis Cuckoo Flower
1.0% Dipsacus Fullonum Teasel
1.0% Eupatorium cannabinum Hemp Agrimony
2.5% Filipendula ulmaria Meadowsweet
1.0% Mentha aquatica Water Mint
1.0% Myosotis scorpiodes Water Forget-Me-Not
2.5% Iris pseudacorus Yellow Iris
1.5% Lotus pedunculatus Greater Birdfoot Trefoil
1.0% Lychnis Flos-cuculi Ragged Robin
1.7% Lycopodium europaeus Gypsywort
1.0% Lythrum salicaria Purple Loosestrife
0.3% Pulicaria dysenterica Fleabane
1.0% Succisa pratensis Devil's Bit Scabious
- 80% Grasses
8.0% Agrostis stolonifera Creeping Bent
4.0% Alopecurus pratensis Meadow Foxtail
2.0% Anthoxanthum odoratum Sweet Vernal Grass
1.0% Briza media Quaking Grass
40.0% Cynosurus cristatus Crested Dogtail
1.0% Deschampsia cespitosa Tufted Hair-Grass
24.0% Festuca rubra ssp juncea Slender Creeping Red Fescue

PLANTING NOTES
Detention Basin profiles, and edge protection to Engineers proposals.
Seeding operations are to be carried out to the appropriate clauses of
BS4428.
Minimum 100mm depth topsoil, seed bed preparation and seeding
operations and establishment to seed supplier's recommendations

MAINTENANCE
Post seeding aftercare is to be in accordance with the Landscape
Maintenance and Management Plan document.
All seeding is to be maintained up to Practical Completion and for a
period of 12 months from that date. Any area which is not thriving
during this period is to be reseeded.



CAMBIUM : Landscape architecture Arboricultural consultancy		
Project		
Aldi Store, Neath Abbey Road		
Title		
Landscape Proposals - New Access		
Client		
Aldi Stores Ltd		
Date	Dec 2021	Drawn MW
Scale	1:200 @ A1	Checked -
Dwg No.	1350-03	Revision A
Status	Planning	
Cambium, 4 Clyde Terrace, Bristol BS3 3BL - TEL: 0117 3738422		



Appendix 3: Landscape Maintenance and Management Plan

ALDI Store, Neath Abbey Road

LANDSCAPE MAINTENANCE & MANAGEMENT PLAN

February 2021 (Rev A)

CAMBIUM

Chartered Landscape Architects
Bankspace 145-147 East Street
Bedminster, Bristol BS3 4EJ

Tel: 0117 373 8422

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Refer to planting plan: 1350-01 Soft Landscape Proposals

1. Introduction

1.1 Format of the Management and Maintenance Plan

This plan sets out general principles and quality standards required for the Maintenance of softworks and for the long term landscape management.

It should be read alongside drawing 1350-01 Soft Landscape Proposals and used by the maintenance team to produce detailed priced programme of work.

It should also form the basis for periodic (annual) reviews and evaluation of actual maintenance works.

1.2. Aims of the Management and Maintenance Plan

This plan aims to ensure that the vision for the landscape at the ALDI NEATH ABBEY ROAD Neath, Abbey Road site can be achieved through a long term, co-ordinated and informed approach to landscape management.

2. Landscape Management Objectives

2.1. The Establishment Period

A one year aftercare maintenance period should be built into the implementation contract to cover intensive post-installation maintenance requirements for the whole of the landscape works. During this period the contractor should be responsible for all horticultural maintenance operations, including planting which has failed to flourish. At the end of the initial one year aftercare period any defects in soft landscape materials due to materials or workmanship should be rectified before responsibility is handed over to ALDI NEATH ABBEY ROAD .

2.2. Access

Maintenance work associated with pruning of trees and shrubs to be actioned outside of the bird breeding season, March to September.

2.3. Facilities

The landscape maintenance contractor shall liaise with ALDI NEATH ABBEY ROAD and the Principal Contractor directly regarding working hours, permissions for parking, storage, use of water and any other resources.

2.4. Maintenance Objectives for Soft Landscape - Generally

- apply good horticultural and ecological practice to all operations.
- promote healthy growth and establishment of all plants, trees, grass, wildflower areas.
- ensure consistent control of invasive weeds.
- promote optimum display and flowering periods and stem colour.
- ensure development of optimum plant form, shape, and planting density.
- provide protection against pests and diseases.
- promote wildlife value and species diversity where appropriate.
- ensure long term commitment to replacement of defective plant material.
- review opportunities for introduction of new species or replacement of exhausted species where appropriate, in line with original design intentions.

2.5. Landscape components with specific management objectives

2.5.1 Trees

- ensure that good horticultural practice is employed to encourage long term health and vitality of all trees
- ensure well-balanced crowns and natural shape

2.5.2 Understorey and shrub mixes

- ensure that good horticultural practice is employed to encourage long term health and vitality of all trees, shrubs, hedges and whip planted areas
- planting to be thinned / re-spaced in order that they have sufficient room to develop
- review opportunities for introducing native shrubs and those with particular wildlife value into planted areas.
- maintain a clean and safe environment.
- ensure cultural techniques are employed which use a variety of mulches and organic fertilisers and which minimise the use of chemicals and peat wherever possible.

3. Programming of Maintenance and Management Operations

3.1. Monitoring

To protect the investment in the quality of soft landscape works, the long term maintenance contractor must provide a high standard of maintenance; the long term success of the scheme is dependent on its maintenance regime.

The management plan and maintenance operations included herewith will be reviewed on letting of the long term maintenance contract following the end of the initial contract works defects period and from then on a regular three year basis.

This management plan is intended to provide a basic performance specification to enable the maintenance contractor to submit for agreement a detailed three year programme of work which shall include scheduled dates for planting refurbishment and review.

The following is an indicative annual schedule of maintenance visits applicable for the first five years of establishment. This provides a reasonable frequency of the more common operations, and a good indication of the required level of intensity of management required but is not intended to be fully comprehensive or restrictive.

The landscape contractor is required to construct a schedule of operations specifying operations and frequency using his own experience and horticultural knowledge.

The ongoing programme of maintenance work will also include proposed frequency of visits and operations detailed in the specification, i.e. pruning. It shall also include scheduled dates for:

- infrequent operations such as re-spacing of plants, pruning, topping up of mulch, replacement of plants / restocking of beds etc.
- planting review and refurbishment.
- monitoring and review; the effectiveness of the management operations is to be closely and continually monitored and reviewed annually against this Specification and Landscape Maintenance Plan, with any resulting changes incorporated into the subsequent years' programme.

3.2. Soft Landscape Maintenance Schedules

Trees

Maintenance Operation	FREQUENCY												Subsequent Years	Special Comments
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Check for Stability / Damage / Disease and check stakes and loosen ties			1						1				Continue	Plants loosened by the effects of wind, frost heave, etc shall be set upright and re-firmed.
Prune damaged, diseased or dead wood			1						1				Continue	Remove clippings etc. from site
Treat 1m diameter circle around each tree with a glyphosate based CDA herbicide or weedwiper system.			1			1			1				Continue	Care must be taken to avoid damage to the new planting, to avoid mixing mulching material with topsoil, and to avoid disturbing root system.
Top up mulch to specified 50mm depth			1										Continue	Use originally specified mulch material.
Apply liquid manure lightly worked into surface of mulch			1										Continue	Enmag or approved alternative slow release fertiliser at a rate of 70g/m ²
Check stakes and loosen ties		1									1		Continue	
Watering – Year 1				1	2	2	2	2	1					Allow for watering by hose and fine rose sprinkler as necessary in times of drought**. Watering should be carried out during the early morning or early evening
Watering Year 2 to 5				As required (see comments)										Drought conditions exist when there are 14 consecutive days or more without rain. In times of water restrictions 2 nd class water may be used
Existing Trees		1									1			All existing trees on site to be reviewed bi-annually for health and to establish any necessary tree works. Undergrowth to be cut back tidy and to prevent encroachment and to prevent dominance of undesirable single species eg bramble, holly, sycamore

General notes:

Where any new plantings fail to establish, measures will be taken to resolve any underlying problems. Any plant material which dies, or is not in a thriving condition, whether due to the effects of weather, lack of water, poor pruning technique, lack of maintenance, herbicide damage, or any other cause shall be replaced.

A programme of leaf clearance will be required near the buildings and in the car park areas.

Ornamental Shrubs, Groundcover & Hedges

Maintenance Operation	FREQUENCY												Subsequent Years	Special comments
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Remove weeds and fork over bare soil			1	1	1	1	1	1	1				Discontinue once full cover has been achieved	Do not disturb root system
Apply 50mm depth of mulch			1										Discontinue once full cover has been achieved	Shredded bark suitable for mulch
Prune shrubs to desired shape and remove deadwood					1						1		Continue	Remove clipping etc.from site
Check for pest and disease and replant as necessary											1		Continue	
Apply liquid feed / slow release fertiliser				1									Continue	
Clip top and sides of hedges to maintain desired height and width							1					*		*Formative pruning during December during establishment
Prune back any trailing or protruding vegetation from kerb lines and footpaths			1	1	1	1	1	1	1					
Watering Year 1				1	2	2	2	2	1				Watering should be carried out during the early morning or early evening	
Watering Year 2 to 5				As required (see comments)									Drought conditions exist when there are 14 consecutive days or more without rain. In times of water restrictions 2 nd class water may be used	

General notes:

Where any new plantings fail to establish, measures will be taken to resolve any underlying problems. Any plant material which dies, or is not in a thriving condition, whether due to the effects of weather, lack of water, poor pruning technique, lack of maintenance, herbicide damage, or any other cause shall be replaced.

Native Hedges

Maintenance Operation	FREQUENCY												Years 2 to 5	Special comments
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Remove weeds and fork over bare soil			1	1	1	1	1	1	1				Discontinue once full cover has been achieved	Do not disturb root system
Apply 50mm depth of mulch			1										Discontinue once full cover has been achieved	Shredded bark suitable for mulch
Check for pest and disease and replant as necessary											1		Continue	
Apply liquid feed / slow release fertiliser				1									Continue	
Pruning Year 1 (Formative prune on planting) Lightly trim whip sides to encourage bushing out						1								Remove all clippings from site
Pruning Year 2 February – formative pruning cut back growth by half September - cut sides only		1							1					Remove all clippings from site
Pruning Years 3-5 and Subsequent Years Trim top and sides, tapering towards the top		1							1					Remove all clippings from site
Check / replace rabbit guards									1				Remove rabbit guards from site after Year 2	
Watering Year 1				1	2	2	2	2	1				Watering should be carried out during the early morning or early evening	
Watering Year 2 to 5				As required (see comments)									Drought conditions exist when there are 14 consecutive days or more without rain. In times of water restrictions 2 nd class water may be used	

General notes:

Where any new plantings fail to establish, measures will be taken to resolve any underlying problems. Any plant material which dies, or is not in a thriving condition, whether due to the effects of weather, lack of water, poor pruning technique, lack of maintenance, herbicide damage, or any other cause shall be replaced.

Conservation Grass

Maintenance Operation	FREQUENCY												Subsequent Years	Special comments
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Year 1: Cut height to 5cm			1					1		1				Arisings to be removed
Year 2-5: Cut height to 7.5cm			1							1			Continue	Arisings to be removed

Detention Basins

Maintenance Operation	FREQUENCY												Subsequent Years	Special comments
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Year 1: Cut height to 10cm							1	1	1	1				Arisings to be removed
Year 2-5: Cut height to 10cm			1							1			Continue	Cut in two sections, 14 days apart. Arisings to be removed
Check for invasive species and remove			1		1			1		1			Continue	Arisings to be removed
Allow for natural colonisation by native marsh and wetland species, cut in sections, annually as required										1				Arisings to be deposited in agreed location