



Landscape and Ecological Management Plan

Oakenrod School, Rochdale

Reference: 81-303-R2-3

Date: March 2025



LANDSCAPE AND ECOLOGICAL MANAGEMENT PLAN

Oakenrod School
Rochdale

Prepared for:
Hallmark Developments Ltd

Report Ref: 81-303-R2-3
Date Issued: 15/08/2025

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QUALITY ASSURANCE

PROJECT NUMBER	81-303		
VERSION	Version 1	Version 2	Version 3
REMARKS	Final	Final	Updated tree species
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1. INTRODUCTION

1.1. BACKGROUND

E3P were commissioned by Hallmark Developments Ltd to produce a Landscape and Ecology Management Plan (LEMP) at Oakenrod School, Rochdale, hereafter referred to as “the site”.

The current report has been produced by Conor Evans BSc (Hons) MRes QCIEEM Consultant Ecologist at E3P. Conor has experience undertaking Preliminary Ecological Appraisals, protected species surveys and ecological mitigation for a wide variety of projects across the UK.

1.2. SITE LOCATION

The site is located in Rochdale, within a predominantly residential area. Bury Road defines the site’s northern boundary, while Bridgefield Road partially defines the site’s eastern boundary. The River Roch defines the site’s southern boundary, with the river partially within the site boundary. Please refer to Figure 1.1 for the approximate site location.

FIGURE 1.1 APPROXIMATE SITE LOCATION



1.3. RESPONSIBILITIES

It will be the responsibility of Hallmark Development Ltd to appoint a suitable management company for the long-term management and maintenance of the habitats within the site. The management company will then be responsible for implementing the current management plan.



1.4. SITE RESPONSIBILITIES

Management of the newly created habitats and retained habitats will be maintained for the first year by the Landscape Contractor responsible for the implementation of the works. The contract will include a defects liability clause to ensure replacement planting is carried out and successful establishment achieved. Thereafter, maintenance contracts will be organised by a management company on an annual basis.

1.5. ECOLOGICAL CONSTRAINTS

Ecological constraints on site may influence management. Nesting birds, hedgehogs and common amphibians may be present on site. The presence of these species will be considered when addressing management techniques and timings.

Appendix II outlines timings of work and when ecological supervision will be required due to the known presence of protected species on and adjacent to the site.



2. PROPOSED LANDSCAPING FEATURES

Landscape proposals are outlined within the Landscape Proposals which has been prepared by Trevor Bridge Associates Ltd (2023) (Drawing Numbers: 7188.01b, 7188.02b and 7188.03b).

The landscape plans propose the following habitats:

-  Proposed Tree Planting
-  Hedge Planting
-  Native Hedge Planting
-  Ornamental Shrub Planting
-  Amenity Grassland
-  Wildflower Seed Mix
-  Biodiverse Lawn Mix
-  Extension to Existing Pond

2.1. PROPOSED TREE PLANTING

Areas of tree planting are proposed on site. Trees shall conform to BS: 3936-1: 1992 and be planted in tree pits of the following size: 1200 x 1200 x 600. Excavated subsoil or stone shall be carted off site to tip. The bottom 250 mm of the pit shall be dug and broken up. The bottom of the pit shall be backfilled with imported topsoil as specified unless directed otherwise.

Compost shall be a propriety product, bark based incorporating fertilisers and improving additives. The type of compost shall be approved before its delivery on site, and the details of the product shall be supplied. Cambark planting compost is approved. Where directed, compost shall be added to and mixed with topsoil back fill at a rate of 80 litres.

Stakes shall be peeled round softwood, pointed, minimum diameter 75 mm. The stakes shall be driven into the base of the tree pit prior to placing the tree and backfilling. Stakes shall in general have a clear height above the finished ground level as follows unless directed otherwise: 1200 mm (2 stakes). The stake shall be long enough the drive until they hold the tree firmly without rocking. Ties for trees shall be environmentally friendly 'NATURETIE' tree ties sourced through Green-tech, or other equal and approved. Ties shall not be over tight on the tree stems. There shall be one tie per stake.

The trees shall be planted upright and at the same depth as grown in the nursery, the roots shall be spread out (bareroot) and the soil followed by compost topsoil mixture, backfilled. Backfilling should be done to ensure close contact between roots and by firming in layers (bareroot). The soil shall be left level and tidy, any subsoil clods, bricks or stones over 50 mm arising, collected and carted off site.

Please refer to Appendix I for the location and species of tree proposed.



2.2. HEDGE PLANTING

Areas of hedge planting have been proposed across the site. Such hedge plantings are to be planted in double staggered rows. Hedges are to achieve a height of 25–30 cm or 60–80 cm, and be planted at a density of either 4/m or 6/m.

The composition of proposed hedge planting is as follows:

- ✿ European Hornbeam (*Carpinus betulus*) – 1164.
- ✿ Shrubby Veronica 'Red Edge' (*Hebe albicans*) – 90.
- ✿ Cherry Laurel 'Otto Luyken' (*Prunus laurocerasus*) – 1200.

2.3. NATIVE HEDGE PLANTING

Areas of native hedge planting have been proposed across the site. Such native hedge plantings are to be planted in double staggered rows. Hedges are to achieve a height of 60–80 cm, and be planted at a density of 6/m.

The composition of proposed native hedge planting is as follows:

- ✿ Field Rose (*Rosa arvensis*) – 32.
- ✿ Dog-Rose (*Rosa canina*) – 32.
- ✿ Common Holly (*Ilex aquifolium*) – 61.
- ✿ Common Hazel (*Corylus avellana*) – 121.
- ✿ Blackthorn (*Prunus spinosa*) – 121.
- ✿ Hawthorn (*Crataegus monogyna*) – 238.

2.4. ORNAMENTAL SHRUB PLANTING

Areas of ornamental shrub planting have been proposed across the site. In regards to planting of shrub bulbs, bulbs should not be allowed to dry out and shall be free of pests, diseases and fungus. Bulbs should be planted immediately upon delivery to site, if stored, this shall be for the minimum period in a dark, well-ventilated, protected area at 18-21 degrees Celsius. Certificates of purchase shall be provided upon inspection. Bulbs are to be planted, according to species and in the areas shown on the soft landscape plan. Where planting is required 'in drifts', bulbs are to be scattered randomly over the allocated area and planting where they fall at the depth stated and shall be in contact with the soil at the base of the hole. The hole shall be backfilled with topsoil and lightly firmed in place. If bulbs are to be planted into existing turf areas, turf is to be nearly removed and replaced after planting and re-firmed.

The composition of ornamental shrub planting is as follows:

- ✿ Japanese Laurel 'Variegata' (*Aucuba japonica*) – 31.
- ✿ Badan (*Bergenia cordifolia*) – 97.



- ✿ California Lilacs 'Autumnal Blue' (*Ceanothus*) – 38.
- ✿ Fortune's Spindle 'Emerald Gaiety' (*Euonymus fortune*) – 74.
- ✿ Shrubby Veronica 'Pagei' (*Hebe pinguifolia*) – 74.
- ✿ 'Green Globe' (*Hebe*) – 61.
- ✿ St John's Wort 'Hidcote' (*Hypericum*) – 27.
- ✿ English Lavendar 'Vera' (*Lacandula angustifolia*) – 91.
- ✿ Red Tip Photinia 'Red Robin' (*Photinia x fraseri*) – 64.
- ✿ Japanese Skimmia (*Skimmia japonica*) – 77.
- ✿ Brachyglottis 'Sunshine' (*Senecio*) – 77.

2.5. AMENITY GRASSLAND

Areas of amenity grassland have been proposed across the site. With regards to soil preparation and cultivation, the final grading of topsoil shall be agreed by the Landscape Architect before cultivation and seeding. All areas to be seeded shall be cultivated to 150 mm depth and all weeds, stones, and refuse larger than 50 mm shall be removed to tip. Cultivated soil shall be rolled and staked to produce a tilth 25 mm deep. Allow for hand cultivation where machine work is not possible, Seed sowing must immediately follow the preparation of the seed bed.

Sowing shall be carried out during calm weather. All sowing is at the Contractor's own risk and any areas where germination fails shall be re-seeded at the Contractor's own expense. The operation should be carried out in equal sowings and transverse directions and the seed shall be raked or harrowed in. Sowing shall be at the rate of 50 g/m² and over seeding at a rate of 20 g/m².

The seed mix shall be A22 mix, obtainable from Germinal Seeds GB. Grass shall be of the composition, purity and germination as specified in BS 4428: 1989. Certificates of purchase shall be provided for all deliveries prior to the sowing of grass seed stating source, mixture, purity and germination percentage. Alternative cultivars of the above species may only be used if approved by the Landscape Architect.

All reasonable precautions should be taken to ensure that pedestrian and other traffic does not cross the grass areas during cultivation, seeding or until grass is established. Where obvious 'short cutting' is occurring, the Contractor shall erect an approved temporary fence so as to minimise the maintenance period or until such time as it is no longer necessary, or as directed.

Germinal Seeds GB A22 Low Maintenance Seed Mix will be sown at a rate of 50 g/m². The composition of the mix is as follows:

- ✿ 40.00% *Lolium perenne* – Perennial Rye-Grass 'Coletta'.
- ✿ 35.00% *Festuca rubra rubra* – Creeping Red Fescue 'Abercharm Slender'.
- ✿ 20.00% *Lolium perenne* – Perennial Rye-Grass 'Cabrio'.
- ✿ 5.00% *Agrostis castellana* – Highland Browntop Bentgrass.



2.6. WILDFLOWER SEED MIX

Areas of wildflower seeding have been proposed across the site. With regard to seeding preparations, no topsoil shall be imported in to the wildflower areas and seed should be sown into good quality, clay free sub-soil.

The area shall be cultivated to 150 mm depth and all weeds, stones and refuse larger than 50 mm shall be removed to tip (cultivation of soil not to occur beneath existing tree canopies). Cultivated soil shall be rolled and raked to produce a tilth 25 mm deep and left for 2-3 weeks to allow existing weeds in the seed bank to germinate. After 2-3 weeks, a spray off of the newly germinated weeds will be carried out, allowed to die back and then raked off. Seed sowing must be undertaken immediately after the area has been prepared and weeds removed, lightly watering area before seeding. Seed shall be sown during late August or September or, if this is not possible, during April to May.

Sowing shall be carried out during calm weather. All sowing is at the Contractor's own risk and any areas where germination fails shall be re-seeded at the Contractor's own expense. The operation should be carried out in equal sowings and transverse directions. The Contractor must ensure that the grass and wildflower seed is thoroughly mixed throughout sowing. The seed mix shall be sown at the rate specified by the manufacturer and then raked into the soil surface and lightly rolled.

Sow the wildflower seed available from Wildahome. Certificates of purchase shall be provided for all deliveries prior to the sowing of the wildflower mix, stating source, mixture, purity and germination percentage. Sources must be of indigenous stock.

All reasonable precautions shall be taken to ensure that pedestrian and other traffic does not cross the wildflower areas during the cultivation, seeding or establishment. Where obvious short cutting is occurring, the Contractor shall erect an approved temporary fence so as to minimise the maintenance period or until such time as it is no longer necessary, or as directed.

Wildahome Traditional 80/20 Meadow Mix will be sown at a rate of 4g/m². The composition of the mix is as follows:

Wildflowers (80%):

-  Alsike Clover (*Trifolium hybridum*)
-  Lady's Bedstraw (*Galium verum*)
-  Birdsfoot Trefoil (*Lotus corniculatus*)
-  Black Medick (*Medicago lupulina*)
-  Salad Burnet (*Sanguisorba minor*)
-  Meadow Buttercup (*Ranunculus acris*)
-  Red Campion (*Silene dioica*)
-  White Campion (*Silene alba*)
-  Wild Carrot (*Daucus carota*)
-  Night-Flowering Catchfly (*Silene noctiflora*)



- ✿ Corn Chamomile (*Anthemis arvensis*)
- ✿ Red Clover (*Trifolium pratense*)
- ✿ Wild Clary (*Salvia verbenaca*)
- ✿ Corn Cockle (*Agrostemma githago*)
- ✿ Cornflower (*Centaurea cyanus*)
- ✿ Cowslip (*Primula veris*)
- ✿ Ox-eye Daisy (*Leucanthemum vulgare*)
- ✿ Field Forget-me-not (*Myosotis arvensis*)
- ✿ Wild Foxglove (*Digitalis purpurea*)
- ✿ Goatsbeard (*Aruncus dioicus*)
- ✿ Common Knapweed (*Centaurea nigra*)
- ✿ Greater Knapweed (*Centaurea scabiosa*)
- ✿ Corn Marigold (*Chrysanthemum segetum*)
- ✿ Musk Mallow (*Malva moschata*)
- ✿ Common Poppy (*Papaver rhoeas*)
- ✿ Ribwort Plantain (*Plantago lanceolata*)
- ✿ Common Sainfoin (*Onobrychis viciifolia*)
- ✿ Self-heal (*Prunella vulgaris*)
- ✿ Common Sorrel (*Rumex acetosa*)
- ✿ Common St John's-wort (*Hypericum perforatum*)
- ✿ Yarrow (*Achillea millefolium*)
- ✿ Yellow Rattle (*Rhinanthus minor*)

Grasses (20%):

- ✿ Hard Fescue (*Festuca ovina*)
- ✿ Slender Creeping Red Fescue (*Festuca rubra litoralis*)
- ✿ Timothy (*Phleum pratense*)
- ✿ Chewings Fescue (*Festuca rubra subsp. commutata*)



- ✿ Strong Creeping Red Fescue (*Festuca rubra rubra*)
- ✿ Smooth-Stalked Meadow Grass (*Poa pratensis*)
- ✿ Sheep fescue (*Festuca ovina*)
- ✿ Tall Oat Grass (*Arrhenatherum elatius*)
- ✿ Meadow foxtail (*Alopecurus pratensis*)

2.7. BIODIVERSE LAWN MIX

Areas of biodiverse lawn have been proposed across the site. With regards to soil preparation and cultivation, the final grading of topsoil shall be agreed by the Landscape Architect before cultivation and seeding. All areas to be seeded shall be cultivated to 150 mm depth and all weeds, stones, and refuse larger than 50 mm shall be removed to tip. Cultivated soil shall be rolled and raked to produce a tilth 25 mm deep. Allow for hand cultivation where machine work is not possible, Seed sowing must immediately follow the preparation of the seed bed.

Sowing shall be carried out during calm weather. All sowing is at the Contractor's own risk and any areas where germination fails shall be re-seeded at the Contractor's own expense. The operation should be carried out in equal sowings and transverse directions and the seed shall be raked or harrowed in. Sowing shall be at the rate of 50 g/m² and over seeding at a rate of 20 g/m².

The seed mix shall be Species Rich 26, obtainable from Meadowscape Pro. Grass shall be of the composition, purity and germination as specified in BS 4428: 1989. Certificates of purchase shall be provided for all deliveries prior to the sowing of grass seed stating source, mixture, purity and germination percentage. Alternative cultivars of the above species may only be used if approved by the Landscape Architect.

All reasonable precautions should be taken to ensure that pedestrian and other traffic does not cross the grass areas during cultivation, seeding or until grass is established. Where obvious 'short cutting' is occurring, the Contractor shall erect an approved temporary fence so as to minimise the maintenance period or until such time as it is no longer necessary, or as directed.

Meadowscape Pro Species Rich 26 Seed Mix will be sown at a rate of 50 g/m². The composition of the mix is as follows:

- ✿ *Festuca rubra commutate* – Chewing's Fescue.
- ✿ *Poa pratensis* – Common Meadow Grass.
- ✿ *Festuca rubra trichophylla* – Creeping Red Fescue.
- ✿ *Lolium perenne* – Perennial Rye-Grass 'Dwarf Cultivar'.
- ✿ *Phelum bertoloni* – Smaller Cat's-Tail.
- ✿ *Festuca ovina* – Sheep's Fescue.



2.8. EXTENSION TO EXISTING POND

An extension of the existing pond in the west of the site is proposed. The pond will be monitored for pollution and remedial measures will be undertaken where necessary.



3. MANAGEMENT

3.1. AIMS AND OBJECTIVES

The management plan sets out how habitats will be protected and managed appropriately during the operational phase of development for the long-term benefit of local wildlife. See Appendix II for the Annual Work Plan. The aims and objectives are as follows:

- ✿ To ensure the successful establishment and long-term health of all landscape elements for the benefit of the wider community.
- ✿ To allow the residents to understand the expectations of the required management, and to give them a point of contact if required.
- ✿ To allow the local authority satisfaction that the area will be managed appropriately.
- ✿ To ensure best horticultural and health & safety practices at all times.
- ✿ To ensure that methods employed enhance and encourage wildlife, wherever possible
- ✿ To identify defects as soon as possible in order to minimise any damage and rectify at the earliest opportunity.
- ✿ To ensure access to the area by all members of the general public and for the area to remain as such permanently.

3.2. MANAGEMENT PRESCRIPTIONS FOR PROPOSED HABITATS

The following details the management of the habitats proposed on-site as per the condition assessments set out within the Biodiversity Metric Report. Table 3.1 contains a schedule detailing the expected condition each habitat is expected to achieve over a 30-year period.



TABLE 3.1 HABITAT TARGET CONDITION SCHEDULE

HABITAT	YEAR						YEARS TO TARGET CONDITION
	1	2	5	10	20	30	
PROPOSED TREE PLANTING	Poor	Poor	Poor	Poor	Poor	Moderate	27 Years
HEDGE PLANTING	Poor	Poor	Poor	Poor	Poor	Poor	1 Year
NATIVE HEDGE PLANTING	Poor	Poor	Moderate	Moderate	Moderate	Moderate	5 Years
ORNAMENTAL SHRUB PLANTING	N/A	N/A	N/A	N/A	N/A	N/A	1 Year
AMENITY GRASSLAND	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	1 Year
WILDFLOWER SEED MIX	Poor	Poor	Moderate	Moderate	Moderate	Moderate	5 Years
BIODIVERSE LAWN MIX	Poor	Poor	Poor	Poor	Poor	Poor	1 Year
POND	Poor	Moderate	Moderate	Moderate	Moderate	Moderate	3 Years

3.3. TREE PLANTING

A total of 43 are proposed to be planted on site. The following measures will be implemented:

- ✿ The tree will be a native species (or at least 70% within the block are native species).
- ✿ The tree canopy is predominantly continuous, with gaps in canopy cover making up <10% of total area and no individual gap being >5 m wide.
- ✿ There is little or no evidence of an adverse impact on tree health by human activities (such as vandalism, herbicide or detrimental agricultural activity), and there is no current regular pruning regime, so the trees retain >75% of expected canopy for their age range and height.
- ✿ More than 20% of the tree canopy is oversailing vegetation beneath.

The following management prescriptions will be followed to ensure that the target condition of the tree planting will be achieved:

- ✿ Individual trees, whether planted as specimens or within groups, will be inspected twice annually.
- ✿ The individual trees in grass should be surrounded by a vegetation-free circle of 600 mm diameter to improve the rate of establishment by removing competition at the root-zone. This will be achieved by the use of mulch/mulch mats, with hand weeding around the base of the tree.
- ✿ Stakes and ties will be checked, adjusted and replaced as necessary twice per year until the trees are established. After 4 years, the stakes and ties shall be removed.



All pruning shall be carried out to the highest horticultural standard and shall be carried out using secateurs and hand saws only. Stems to be removed shall be pruned back flush to an outward pointing bud or the nearest junction with another branch, while maintaining the natural shape of the tree. Pruning shall include:

- ✿ The removal of dead, diseased and dying vegetation, secondary leader shoots, duplicated branches and potentially weak or tight forks.
- ✿ The removal of side growth and suckers back to the trunk or root with a minimum disturbance of the roots.
- ✿ The removal of vegetation growing onto footpaths, car parks, road, signs, sightlines and any other location where it presents a hazard to the users of the site.
- ✿ The removal of vegetation growing over windows and lights where it presents a security hazard.
- ✿ Inspection of trees for pests and diseases.
- ✿ No works to trees to be carried out in the bird nesting season that is March to August unless the trees have been inspected by an ecologist for any signs of nesting birds.

3.4. NATIVE AND NON-NATIVE HEDGE PLANTING

A series of native and non-native hedgerows are proposed across the site. The following will be implemented to maintain the hedges:

- ✿ Ensure that the width of the hedge is >1.5 m average along length.
- ✿ Ensure that the gap between the ground and base of canopy is <0.5 m for >90% of length.
- ✿ Gaps make up <10% of total length, and no canopy gaps >5 m.
- ✿ Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.
- ✿ >90% of the hedgerow and undisturbed ground is free of invasive non-native plant species and recently introduced species.

The following management prescriptions will be followed to ensure that the target condition of the hedge planting will be achieved:

- ✿ All hedges are to be maintained in a neat and tidy condition. Hedges to the front gardens/road frontage shall be maintained to a maximum height of 1.2 m high, hedges adjacent to boundaries and within the areas of Public Open Space to be maintained to a height of 1.8 m. Pruning is to be carried out to the highest horticultural standard and by hand using mechanical secateurs, mechanical hedge cutters and hand saws only. Broadleaved evergreen hedges shall only be pruned using secateurs. Dead foliage and branches are to be removed by cutting back their source on the roots of the affected shrubs. Growth is to be reduced to encourage the hedge to thicken up and so as to remove any growth encroaching onto paths, roads, signs, sightlines and lights. Pruning cuts shall be made at the source of the branch to be removed, within the shrub so that the position of the cut is not visible in the outward appearance of the shrub.
- ✿ All plants shall be firmed in by reading after frost lift or wind rock.



- ✿ No hedge cutting shall take place during the bird nesting season (March to August inclusive).
- ✿ Hedges shall receive water at a rate of 6 buckets per linear metre of the hedge (1 bucket = 14 litres) every 5 days.
- ✿ Hedges shall be litter picked.
- ✿ Hedges shall be kept weed free.
- ✿ All hedges are to have a layer of mulch that shall be maintained.

3.5. ORNAMENTAL SHRUB PLANTING

The following management prescriptions will be followed to ensure that the target condition of the ornamental shrub planting will be achieved:

- ✿ The management of the ornamental shrub areas will focus on weed control and pruning.
- ✿ Replacement of dead and diseased plants will be carried out in the first season after planting. Apart from the replacements and weed control, during establishment (approximately the first 5 years), the new planting should require little maintenance. The plants should be checked for frost-heave and wind-rock and firmed in as necessary. They should also be monitored for any signs of pests or disease, and appropriate control measures taken.
- ✿ The following management prescriptions will also be followed:
- ✿ Beds shall be maintained in a weed free condition. Beds will be hoed, and hand weeded twice a month during the growing season if weed growth is dense.
- ✿ Shrub beds shall receive sufficient water whilst establishing (first two planting seasons) and in periods of dry weather; 1 bucket per shrub (1 bucket = 14 litres) every 5 days.
- ✿ All beds are to have a layer of mulch that shall be maintained.
- ✿ Beds shall be litter picked.

3.6. AMENITY GRASSLAND

Areas of amenity grassland are proposed across the site. The following will be implemented to maintain these areas:

- ✿ Ensure that there are 6-8 vascular plant species per m² present, including at least 2 forbs.
- ✿ Physical damage will be evident in less than 5% of total grassland area. Examples of physical damage include excessive poaching, damage from machine use or storage, erosion caused by high levels of access, or any other damaging management activities.
- ✿ Cover of bracken (*Pteridium aquilinum*) is less than 20% of total area.
- ✿ There will be an absence of invasive non-native plant species (as listed on Schedule 9 of Wildlife and Countryside Act 1981).



The following management prescriptions will be followed to ensure that the target condition of the amenity grassland will be achieved:

- ✿ Regular maintenance of the close mown turf/seeded areas throughout the growing season, approximately March to September, will maintain a neat and tidy appearance. A minimum of fortnightly cuts will be undertaken unless weather conditions alter the frequency. If weather conditions prevent cutting, then an intermediate cut will be undertaken at the earliest opportunity lifting the risings to ensure a neat appearance. The initial cut should be to a height of approximately 50–60 mm, with the cuttings dispersed. Subsequent cuts should be to a height of approximately 40 mm, with the cuttings dispersed.
- ✿ The cutting of all grass around obstacles including trees in grass will be carried out with particular care, using 'trimmer's' fitted with guards to protect obstacles from damage. All grass cuttings arising from mowing or trimming operations will be removed from site.
- ✿ Ensure that sufficient irrigation during establishment and during dry periods.
- ✿ When the grass is 100 mm high, it shall be cut down to 50 mm so as to avoid root pulling. If the grass has been allowed to grow any longer than 100 mm, then the cuttings shall be raked off and taken off site.
- ✿ When the grass is 65 mm high a second cut shall be carried out using a rotor mower. No more than one third of the foliage must be removed.
- ✿ Any defects such as shrinkage, ponding, sparse germination or disease shall be made good and re-seeded all as above.
- ✿ The Contractor will be responsible for cultivating, seeding and maintaining, as above all areas of existing turf that are damaged during the course of the works for reasons of storage, working areas, transport of materials excepting those areas which are specifically defined and measured in the contract.
- ✿ Any areas, which in the opinion of the Landscape Architect, are consolidated during the course of these works, shall be loosened with a ripper or other suitable implement to ensure adequate drainage through the sub soil.

3.7. WILDFLOWER SEED MIX

Wildflower meadows are proposed across the site. The following will be implemented to maintain the condition of the meadows:

- ✿ The grassland will be a good representation of the habitat type it has been identified as, based on its UKHab description – the appearance and composition of the vegetation closely matches the characteristics of the specific grassland habitat type.
- ✿ Sward height will be varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for insects, birds, and small mammals to live and breed.
- ✿ Cover of bracken is less than 20% and cover of scrub (including bramble (*Rubus fruticosus* agg.)) is less than 5%.



- Combined cover of species indicative of sub-optimal condition and physical damage (such as excessive poaching, damage from machinery use or storage, damaging levels of access, or any other damaging management activities) accounts for less than 5% of total area.

The following management prescriptions will be followed to ensure that the target condition of the wildflower seed planting will be achieved:

- Areas sown in August/September shall be cut lightly in the spring using a flail mower or strimmer when the meadow reaches 100 mm high. Areas seeded during April to May shall be cut in September/October when flowering is over. In both cases all cuttings shall be raked up and removed from site.
- All the wildflower meadow areas on the site should be cut once per year in September/October, with the grass cuttings collected. This prevents nutrients building up in the soil which encourage weed species and discourage wildflowers. The timing of the cuts should be dependent on the presence of any wildflowers in the sward; cutting should not take place until after the desirable species have set and dispersed seed.
- Cutting once per year should be sufficient to control any tree seedlings or brambles in the grassland. Cutting once per year will not however prevent the growth of 'noxious' weeds, such as nettle (*Urtica dioica*), dock (*Rumex* sp.), thistle (*Cirsium* sp.), dandelion (*Taraxacum officinale*), ragwort (*Senecio jacobaea*), and rosebay willowherb (*Chamerion angustifolium*). These are termed 'noxious weeds' since they are persistent and aggressive plant species, which can quickly colonise areas, preventing the growth of most other species and lessening the biological diversity of the grassland.
- Carefully dig out or spot treat any 'noxious' weeds as described above.
- If the wildflower meadow fails in year 1 then the failed areas shall be overseeded in accordance with the details in the specification shown on the landscape drawings. Seeding shall then be undertaken annually until the local authority are happy that the meadow has fully established.
- Areas seeded during August to September shall be cut lightly in the spring using a flail mower, or strimmer, when the meadow reaches a height of 100 mm. Areas seeded during April to May shall be cut in September/October when flowering is over. In both cases, all cuttings shall be raked up and removed from site.
- Hereafter cutting shall be undertaken, with a flail mower or strimmer, when flowering is over in September to October. All cuttings shall be raked up and removed.
- Where there is species dominance or vigorous growth, carry out a second cut at the end of May to Early June. The cut shall be to a height of 200–250 mm to remove flower heads but retain most of the stems. Remove all cuttings. After cutting, water thoroughly to encourage new growth. If this cut is carried out, the second cut of the year shall be undertaken during October.
- Any defects such as sinkage, ponding, sparse germination or disease shall be made good and re-seeded all as above.

3.8. BIODIVERSE LAWN MIX

The following management prescriptions will be followed to ensure that the target condition of the biodiverse lawn will be achieved:



- ✿ Regular maintenance of the seeded areas throughout the growing season, approximately March to September, will maintain a neat and tidy appearance. A minimum of fortnightly cuts will be undertaken unless weather conditions alter the frequency. If weather conditions prevent cutting, then an intermediate cut will be undertaken at the earliest opportunity lifting the risings to ensure a neat appearance. The initial cut should be to a height of approximately 50-60mm, with the cuttings dispersed. Subsequent cuts should be to a height of approximately 40mm, with the cuttings dispersed.
- ✿ The cutting of all grass around obstacles including trees in grass will be carried out with particular care, using 'strimmers' fitted with guards so as to protect obstacles from damage. All grass cuttings arising from mowing or strimming operations will be removed from site.
- ✿ Ensure sufficient irrigation during establishment and during dry periods.
- ✿ When the grass is 100 mm high, it shall be cut down to 50 mm so as to avoid root pulling. If the grass has been allowed to grow any longer than 100 mm, then the cuttings shall be raked off and taken off site.
- ✿ When the grass is 65 mm high a second cut shall be carried out using a rotor mower. No more than one third of the foliage must be removed.
- ✿ Any defects such as shrinkage, ponding, sparse germination or disease shall be made good and re-seeded all as above.
- ✿ The Contractor will be responsible for cultivating, seeding and maintaining, as above all areas of existing turf that are damaged during the course of the works for reasons of storage, working areas, transport of materials excepting those areas which are specifically defined and measured in the contract.
- ✿ Any areas, which in the opinion of the Landscape Architect, are consolidated during the course of these works, shall be loosened with a ripper or other suitable implement to ensure adequate drainage through the sub soil.

3.9. POND

An extension of the existing pond is proposed in the west of the site. The following will be implemented to maintain the pond:

- ✿ The pond is of good water quality, with clear water (low turbidity) indicating no obvious signs of pollution. Turbidity is acceptable if the pond is grazed by livestock. A range of emergent, submerged and floating leaved plants are present.
- ✿ There is less than 10% cover of filamentous algae and/or duckweed (*Lemna* sp.).
- ✿ The pond will not be artificially connected to other waterbodies e.g. agricultural ditches or artificial pipework.
- ✿ Pond water levels can fluctuate naturally throughout the year, with no obvious dams, pumps or pipework.
- ✿ There is an absence of listed non-native plant and animal species.
- ✿ The pond is not artificially stocked with fish.



- ☛ Prevention of littering around the edges of the pond will be ensured to prevent an adverse impact on the wildlife within the pond. The pond will be monitored for green algal blooms, and appropriate treatment in line with industry standards will be undertaken should it be found. Water levels will be monitored to maintain standard water levels throughout the pond (excluding seasonal variations).

3.10. MANAGEMENT PRESCRIPTIONS FOR RETAINED HABITATS

The following details the management of the habitats to be retained on-site. Table 3.2 contains a schedule detailing the condition each habitat is expected to be maintained at over a 30-year period.

TABLE 3.2 HABITAT TARGET CONDITION SCHEDULE

HABITAT	YEAR					
	1	2	5	10	20	30
EPHEMERAL/SHORT PERENNIAL	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
BARE GROUND	Poor	Poor	Poor	Poor	Poor	Poor
MIXED SCRUB	Poor	Poor	Poor	Poor	Poor	Poor
BROADLEAVED WOODLAND	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
SCATTERED TREES	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

3.10.1. EPHEMERAL/SHORT PERENNIAL

The following measures will be implemented to maintain the condition of the existing ephemeral/short perennial on-site:

- ☛ Ensure that the habitat parcel contains different plant species that are beneficial for wildlife, for example flowering species providing nectar sources for a range of invertebrates at different times of year.
- ☛ Invasive non-native plant species (listed on Schedule 9 of WCA1) and others which are to the detriment of native wildlife (using professional judgement) will cover less than 5% of the total vegetated area.

3.10.2. BARE GROUND

The bare ground failed all condition assessment criteria and therefore does not require any measures to maintain the condition of the habitat on-site.

3.10.3. MIXED SCRUB

The mixed scrub failed all condition assessment criteria and therefore does not require any measures to maintain the condition of the habitat on-site.



3.10.4. BROADLEAVED WOODLAND

The following measures will be implemented to maintain the condition of the existing broadleaved woodland on-site:

-  The removal of dead, diseased and dying vegetation, secondary leader shoots, duplicated branches and potentially weak or tight forks.
-  The removal of side growth and suckers back to the trunk or root with a minimum disturbance of the roots.
-  Inspection of trees for pests and diseases.
-  No works to trees to be carried out in the bird nesting season that is March to August unless the trees have been inspected by an ecologist for any signs of nesting birds.

3.10.5. SCATTERED TREES

The following measures will be implemented to maintain the condition of the existing scattered trees on-site:

-  The tree will be a native species.
-  The tree canopy is predominantly continuous, with gaps in canopy cover making up <10% of total area and no individual gap being >5 m wide.
-  There is little or no evidence of an adverse impact on tree health by human activities (such as vandalism, herbicide or detrimental agricultural activity), and there is no current regular pruning regime, so the trees retain >75% of expected canopy for their age range and height.
-  More than 20% of the tree canopy is oversailing vegetation beneath.



4. FUTURE MONITORING

Monitoring of the habitats created will be undertaken annually for the first ten years, thereafter, every five years. If habitats don't establish, additional management may be required with additional visits once a year until establishment.

The management plans are to be reviewed during years 5, 10, 20 and 30. The plans are to be revised as appropriate and the frequency of visits for certain habitats may be increased or decreased depending on the progress made towards establishment.



5. REFERENCES

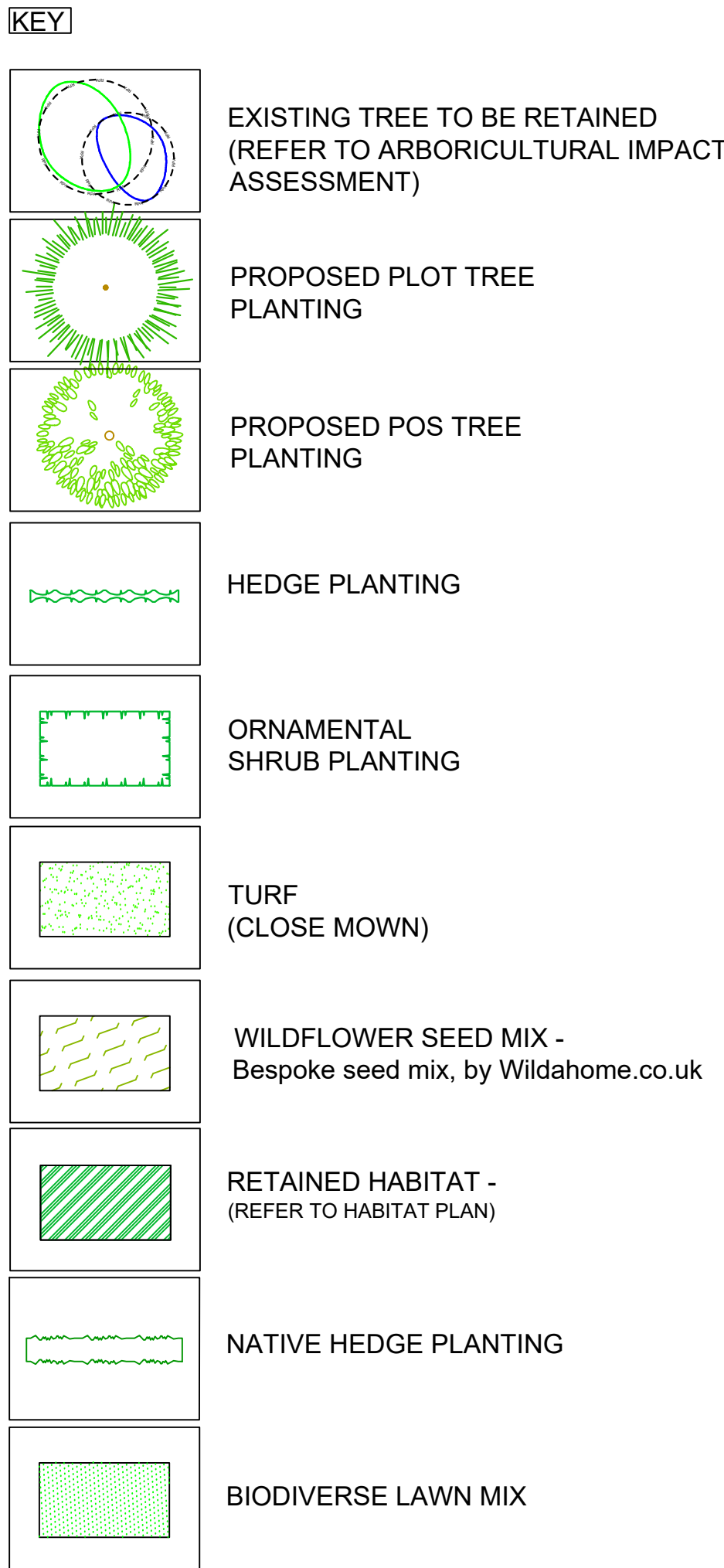
-  E3P (2023). Biodiversity Net Gain Report – Oakenrod School, Rochdale. Report Reference: 81-303-R1-1.
-  Trevor Bridge Associates Ltd (2025). Landscape Proposals (Drawing Numbers: 7188.01, 7188.02 & 7188.03).
-  Wildlife and Countryside Act (2010) Schedule 9 of the Wildlife and Countryside Act 1981.

END OF REPORT



APPENDIX I

LANDSCAPE PROPOSALS



Plant schedule							
Trees	Abbreviation	Species	Specification	Height	Orth	Specification	Pot Size
ACE	ACE	Acer campestre	11-18-20cm	18-20cm	Extra Heavy Standard	3x B	12 -
ACST	ACST	Acer campestre 'Street Wise'	11-18-20cm	18-20cm	Extra Heavy Standard	3x B	7 -
AG	AG	Alnus glutinosa	11-18-20cm	18-20cm	Extra Heavy Standard	3x B	17 -
BP	BP	Betula pendula	11-18-20cm	18-20cm	Extra Heavy Standard	3x B	30 -
PCC	PCC	Pyrus calleryana 'Chanticleer'	11-18-20cm	18-20cm	Extra Heavy Standard	3x B	4 -
SA	SA	Sorbus aucuparia	11-18-20cm	18-20cm	Extra Heavy Standard	3x B	7 -
							Total: 67 -

Native Hedge Mix - Double Staggered row							
Abbreviation	Species	Specification	Height	Pot Size	Density	Mix Species Contribution	Number
CORAV	Corylus avellana	Transplant 1+1	60-80cm	B	6m	20%	65 -
CRAMON	Crataegus monogyna	Transplant 1+1	60-80cm	B	6m	30%	95 -
ILEA	Ilex aquifolium	Container	60-80cm	3L	6m	10%	33 -
PRUSP	Prunus spinosa	Transplant 1+1	60-80cm	B	6m	20%	65 -
ROSAR	Rosa arvensis	Transplant 1+1	60-80cm	B	6m	10%	33 -
ROSCA	Rosa canina	Transplant 1+1	60-80cm	B	6m	10%	33 -
							Total: 324 -

Hedges							
Abbreviation	Species	Specification	Height	Pot Size	Density	Number of Plants	
CAR	Carpinus betulus	Double staggered row	60-80cm	6m	461 -	679	
PLO	Prunus laurocerasus 'Otto Luyken'	Double staggered row	60-80cm	4m	1137 -		

Shrubs							
Abbreviation	Species	Specification	Height	Pot Size	Density	Number of Plants	
AJV	Aucuba japonica 'Variegata'	20-30cm	3L	4m	36 -		
BCO	Begonia cordifolia	20-30cm	3L	4m	111 -		
CAB	Ceanothus 'Autumnal Blue'	40-60cm	3L	4m	50 -		
EUEG	Eucymus fortunei 'Emerald Gaiety'	20-30cm	3L	6m	104 -		
HG	Hebe 'Green Globe'	30-40cm	3L	6m	48 -		
HEP	Hebe grossularifolia 'Paege'	30-40cm	3L	6m	131 -		
HH	Hypericum 'Hidotea'	30-40cm	3L	6m	26 -		
LAV	Lavandula angustifolia 'Vera'	30-40cm	3L	6m	101 -		
PRR	Photinia 'fraseri' 'Red Robin'	30-40cm	3L	4m	65 -		
PE	Potentilla fruticosa 'Elizabeth'	30-40cm	3L	6m	21 -		
SS	Senecio 'Sunshine'	30-40cm	3L	6m	126 -		
SKJ	Skimmia japonica	30-40cm	3L	6m	60 -		
							Total: 879 -

BIODIVERSE LAWN MIX - To be sown at a rate of 50g/m².							
Meadowscap	Pro-Species-Rich-26	https://wildflowerurf.co.uk/products/meadowscap-species-rich-lawn/mix-species					
Available from Wildflowerurf.co.uk Tel: 01256 771222 (or similar approved)							

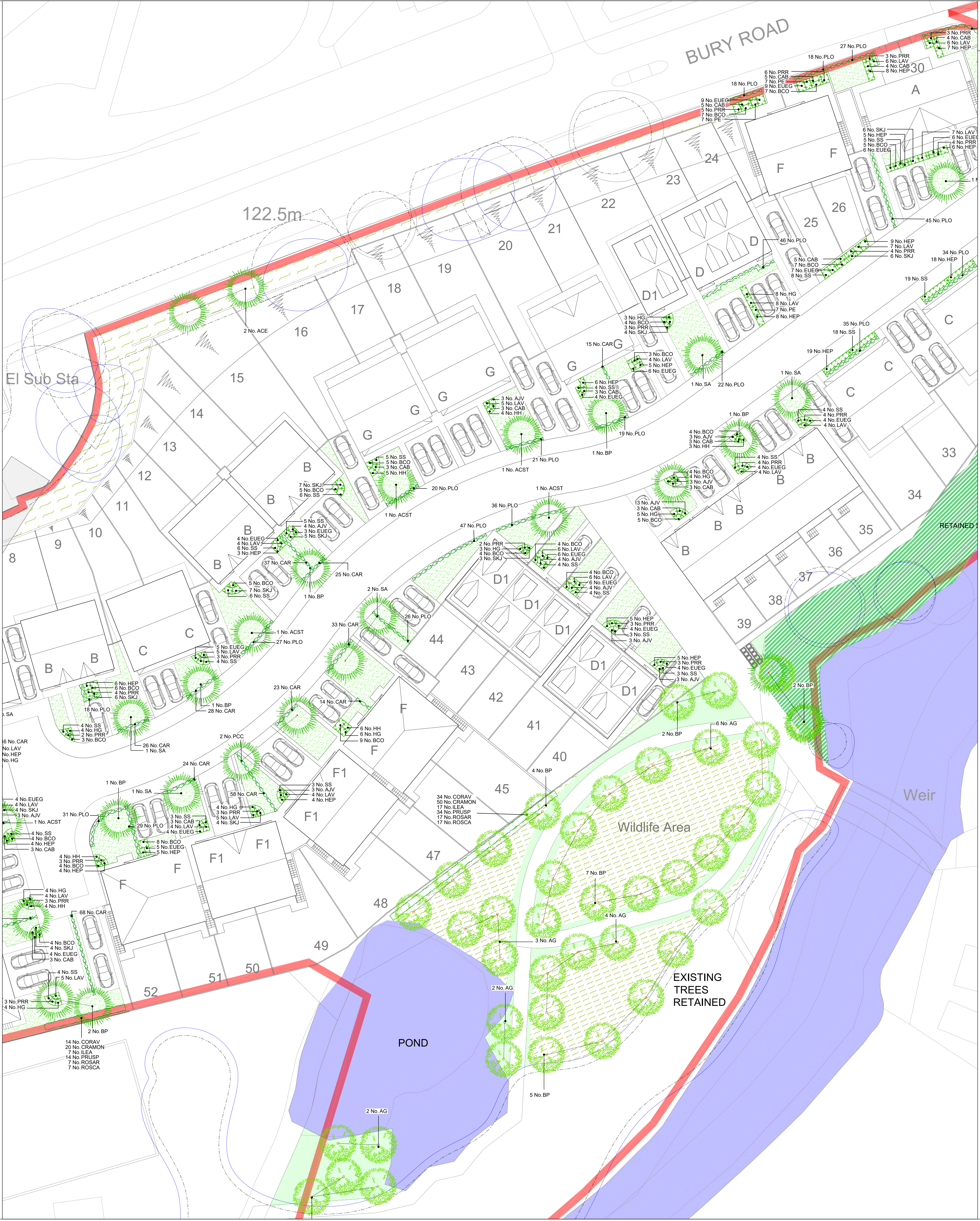
WILDFLOWER SEED MIX - To be sown at a rate of 4g/m².							
Bespoke seed mix, by Wildahome.co.uk as specified by Greater Manchester Ecology Unit, Agrimony, Fragrant, (Agrimonia procera), Betony, (Stachys officinalis), Buttercup, Meadow, (Ranunculus acris), Cat's-ear, Common, (Thymus praecox), Daisy, Ox-eye, (Leucanthemum vulgare), Fagopyrum, Wild, (Digitalis purpurea), Knapweed, Common, (Centaurea nigra), Ragged Robin, (Lychnis flos-cuculi), Sage, Wood, (Teucrium scorodonia), Scabious, Devil's-bit, (Succisa pratensis), Sneezewort, (Achillea ptarmica), Sorrel, Common, (Rumex acetosa), Sorrel, Sheep's, (Rumex acetosella), St John's-wort, Common, (Hypericum perforatum), Trefol, Bird's-foot, (Lotus corniculatus), Trefol, Greater Bird's-foot, (Lotus uliginosus), Vetch, Tufted, (Vicia cracca), Yarrow, (Achillea millefolium), Yellow-rattle, (Rhinanthus minor), Hard fescue, Slender Creeping red fescue, Timothy, Cheving's fescue, Strong Creeping red fescue, Smooth-stalked meadow grass, Sheep fescue, Meadow fescue, Crested dog's tail							

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SCALE: 1:200

0m 5m 10m 15m 20m 25m

SPECIFICATION

GROUND PREPARATION - GENERAL

Preparing for topsoiling

Grading and cultivation shall be in accordance with BS 4428:1989 section 4. Subsoil that is to receive topsoil shall be thoroughly broken up or not, be thoroughly broken up by hand, by heavy roller, or by subsoiler or by other equipment with adequate power to do so. Thoroughly break up the surface to a depth of 100mm, cleaned of all large stones, bricks, potential weeds, live roots (excluding living tree roots), coarse vegetation and all other extraneous matter.

Subsoiling

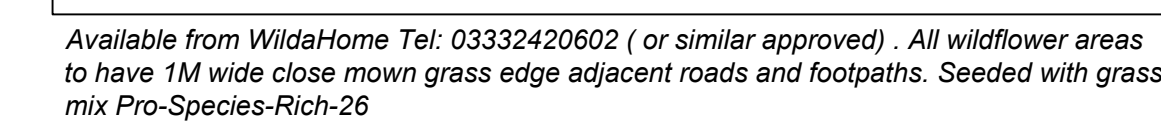
Subsoil shall only be graded after loosening as above, and this shall be undertaken by the use of a tractor and blade grade or large areas and by a small mechanical grade or by hand on small areas. Grading shall not be done by heavy machinery. For grading by other means after subsoiling and/or topsoiling has taken place.

Mowing up level

When subsoil is reported in low lying areas to raise formation levels, it shall be lightly consolidated and left to settle for 2 weeks. Unless otherwise agreed by the contractor, the subsoil shall be mowed up level to the specified formation level. Where the subsoil is reported in low lying areas to raise formation levels, it shall be lightly consolidated and left to settle for 2 weeks. Unless otherwise agreed by the contractor, the subsoil shall be mowed up level to the specified formation level. Where the subsoil is reported in low lying areas to raise formation levels, it shall be lightly consolidated and left to settle for 2 weeks. Unless otherwise agreed by the contractor, the subsoil shall be mowed up level to the specified formation level.

Supply of topsoil

Topsoil to be supplied shall be approved by the Landscape Architect and details of the source of supply shall be provided in order that inspection may be made before delivery. Topsoil shall conform to BS 3803:2012. Recommendations and classification for topsoil, namely: 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th, 101st, 102nd, 103rd, 104th, 105th, 106th, 107th, 108th, 109th, 110th, 111th, 112th, 113th, 114th, 115th, 116th, 117th, 118th, 119th, 120th, 121st, 122nd, 123rd, 124th, 125th, 126th, 127th, 128th, 129th, 130th, 131st, 132nd, 133rd, 134th, 135th, 136th, 137th, 138th, 139th, 140th, 141st, 142nd, 143rd, 144th, 145th, 146th, 147th, 148th, 149th, 150th, 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APPENDIX II

ANNUAL WORK PLAN

ANNUAL WORK PLAN					
MANAGEMENT REQUIRED	FREQUENCY OF MONITORING	REMEDIAL MEASURES	TIME OF YEAR	PROTECTED SPECIES CONSTRAINTS	ECOLOGICAL SUPERVISION REQUIRED?
EXISTING TREES					
Inspection of trees	Twice yearly	Removal and control of invasive species, monitor tree for presence of disease	October to February	Birds - Will avoid nesting bird season (March to August, inclusive) where possible	No (if undertaken outside of nesting bird season)
Inspection of trees	Ongoing	A visual inspection of trees will be undertaken following a severe weather event (storm, heavy snow fall or drought). A reactive inspection will occur after a complaint or report of failure	As required	Birds - Will avoid nesting bird season (March to August, inclusive) where possible	No (if undertaken outside of nesting bird season)
EPHEMERAL/SHORT PERENNIAL					
Control of weeds	Monthly	Removal by hand or spot use of chemicals if weeds become problematic.	March to September	None	No
BROADLEAVED WOODLAND					



ANNUAL WORK PLAN					
MANAGEMENT REQUIRED	FREQUENCY OF MONITORING	REMEDIAL MEASURES	TIME OF YEAR	PROTECTED SPECIES CONSTRAINTS	ECOLOGICAL SUPERVISION REQUIRED?
Inspection of trees	Twice yearly	Removal and control of invasive species, monitor tree for presence of disease	October to February	Birds - Will avoid nesting bird season (March to August, inclusive) where possible	No (if undertaken outside of nesting bird season)
Inspection of trees	Ongoing	A visual inspection of trees will be undertaken following a severe weather event (storm, heavy snow fall or drought). A reactive inspection will occur after a complaint or report of failure	As required	Birds - Will avoid nesting bird season (March to August, inclusive) where possible	No (if undertaken outside of nesting bird season)
NEW TREE PLANTING					
Watering	Ongoing	Watering of newly planted trees	April to October	No	No
Check condition	Twice yearly	Check condition of trees for signs of disease and damage	April and November	Birds - Will avoid nesting bird season (March to August, inclusive) where possible	No (if undertaken outside of nesting bird season)



ANNUAL WORK PLAN					
MANAGEMENT REQUIRED	FREQUENCY OF MONITORING	REMEDIAL MEASURES	TIME OF YEAR	PROTECTED SPECIES CONSTRAINTS	ECOLOGICAL SUPERVISION REQUIRED?
Pruning	Twice yearly	Trees to be inspected twice a year and pruned where necessary	October to February	Birds - Will avoid nesting bird season (March to August, inclusive) where possible.	No (if undertaken outside of nesting bird season).
Weed control	Monthly	Removal by hand or spot use of chemicals if weeds become problematic	March to September	No	No
Mulch	Ongoing	Top up of mulch/replace mulch mats for three years after planting	March and September	No	No
Stakes and Ties	Twice yearly	Check stakes and ties for three years after planting, two checks per year	As required	No	No
Stakes and Ties	Once	Remove stakes and ties in year four after planting	September	No	No
Vandalised / damaged / unhealthy trees	Ongoing	Replace vandalised / damaged / unhealthy trees for 5 years from the date of planting	November to February	Birds - Will avoid nesting bird season (March to August,	No (if undertaken outside of nesting bird season)



ANNUAL WORK PLAN					
MANAGEMENT REQUIRED	FREQUENCY OF MONITORING	REMEDIAL MEASURES	TIME OF YEAR	PROTECTED SPECIES CONSTRAINTS	ECOLOGICAL SUPERVISION REQUIRED?
		unless the planning condition / local authority state in writing any variation to this		inclusive) where possible	
NEW HEDGE PLANTING					
Watering	Ongoing	Apply sufficient water during periods of drought 6 buckets (1 bucket = 14 litres) every 5 days per linear metre	April to September	Hedgehogs – Will avoid hedgehog hibernation season (December to March, inclusive) where possible Birds - Will avoid nesting bird season (March to August, inclusive) where possible	No (if undertaken outside of hedgehog hibernation and nesting bird season)
Control of weeds	Monthly	Removal by hand or spot use of chemicals if weeds become problematic.	March to September	None	No



ANNUAL WORK PLAN					
MANAGEMENT REQUIRED	FREQUENCY OF MONITORING	REMEDIAL MEASURES	TIME OF YEAR	PROTECTED SPECIES CONSTRAINTS	ECOLOGICAL SUPERVISION REQUIRED?
Pruning	Ongoing	Pruning as required and dependent on species, annual check of all hedges and pruning carried out	October to February	Birds - Will avoid nesting bird season (March to August, inclusive) where possible	No (if undertaken outside of nesting bird season)
Firming	Ongoing	Firming in of plants from wind rock/frost heave (checks to be carried out at the same time as undertaking weeding operations and continued monthly during the winter months)	As required	Birds - Will avoid nesting bird season (March to August, inclusive) where possible	No (if undertaken outside of nesting bird season)
Vandalised / damaged / unhealthy hedges	Ongoing	Replace vandalised / damaged / unhealthy plants for 5 years from the date of planting unless the planning condition/local authority state in writing any variation to this	November to February	Birds - Will avoid nesting bird season (March to August, inclusive) where possible	No (if undertaken outside of nesting bird season)



ANNUAL WORK PLAN					
MANAGEMENT REQUIRED	FREQUENCY OF MONITORING	REMEDIAL MEASURES	TIME OF YEAR	PROTECTED SPECIES CONSTRAINTS	ECOLOGICAL SUPERVISION REQUIRED?
ORNAMENTAL SHRUB PLANTING					
Watering	Ongoing	Apply sufficient water during periods of drought 6 buckets (1 bucket = 14 litres) every 5 days per linear metre	April to September	Birds - Will avoid nesting bird season (March to August, inclusive) where possible	No (if undertaken outside of nesting bird season)
Control of weeds	Monthly	Removal by hand or spot use of chemicals if weeds become problematic.	March to September	None	No
Pruning	Ongoing	Pruning as required and dependent on species, annual check of all hedges and pruning carried out	October to February	Birds - Will avoid nesting bird season (March to August, inclusive) where possible	No (if undertaken outside of nesting bird season)
Firming	Ongoing	Firming in of plants from wind rock/frost heave (checks to be carried out at the same time as undertaking	As required	Birds - Will avoid nesting bird season (March to August, inclusive) where possible	No (if undertaken outside of nesting bird season)



ANNUAL WORK PLAN					
MANAGEMENT REQUIRED	FREQUENCY OF MONITORING	REMEDIAL MEASURES	TIME OF YEAR	PROTECTED SPECIES CONSTRAINTS	ECOLOGICAL SUPERVISION REQUIRED?
		weeding operations and continued monthly during the winter months)			
Vandalised / damaged / unhealthy shrubs	Ongoing	Replace vandalised / damaged / unhealthy plants for 5 years from the date of planting unless the planning condition/local authority state in writing any variation to this	November to February	Birds - Will avoid nesting bird season (March to August, inclusive) where possible	No (if undertaken outside of nesting bird season)
AMENITY GRASSLAND					
Watering	Ongoing	Watering; apply sufficient water during periods of drought	March to September	No	No
Cutting	Fortnightly	Fortnightly cut of grass	February to September	No	No
Damaged grass	Ongoing	Replace worn or damaged grass areas by overseeding	As required	No	No



ANNUAL WORK PLAN					
MANAGEMENT REQUIRED	FREQUENCY OF MONITORING	REMEDIAL MEASURES	TIME OF YEAR	PROTECTED SPECIES CONSTRAINTS	ECOLOGICAL SUPERVISION REQUIRED?
WILDFLOWER SEEDING					
Cutting	Ongoing	Areas seeded during August to September shall be cut lightly in the spring using a flail mower, or strimmer, when the meadow height of 100mm. Areas seeded during April to May cut in October when flowering is over. In both cases, all shall be raked up and removed from site	As required	No	No
Annual cut	Ongoing	First year onwards - annual cut when flowering has finished. All and removed	September to October	No	No



ANNUAL WORK PLAN					
MANAGEMENT REQUIRED	FREQUENCY OF MONIOTORING	REMEDIAL MEASURES	TIME OF YEAR	PROTECTED SPECIES CONSTRAINTS	ECOLOGICAL SUPERVISION REQUIRED?
Damage	Ongoing	All defects such as damage, shrinkage, ponding, sparse disease shall be made good and reseeded. Refer to notes on the attached drawing	As required	No	No
Watering	Ongoing	Watering (apply sufficient water during periods of drought)	March to September	No	No
Cutting	Fortnightly	Fortnightly cut	February to September	No	No
Damage	Ongoing	All defects such as damage, shrinkage, ponding, sparse disease shall be made good and reseeded. Refer to	As required	No	No



ANNUAL WORK PLAN					
MANAGEMENT REQUIRED	FREQUENCY OF MONIOTORING	REMEDIAL MEASURES	TIME OF YEAR	PROTECTED SPECIES CONSTRAINTS	ECOLOGICAL SUPERVISION REQUIRED?
		notes on the attached drawing			
GENERAL MAINTENANCE OPERATIONS					
Litter removal	Weekly	Removal of any litter found throughout the site	As required	None	No
Weeding	Monthly	Removal of weeds	As required	None	No
Removal of fallen leaves	Weekly	Removal of fallen leaves found on POS footpaths	As required	None	No

