LIDL STORE, PONTYMISTER RISCA. NP11 6EE

PLANTING METHODOLOGY AND 5 YEAR AFTERCARE LANDSCAPE MANAGEMENT PLAN



Rev 9 November 2024 Rev 13 November 2024 Rev 25 January 2025

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1.0 INTRODUCTION

The project is for the proposed Lidl store and associated carpark. The River Ebbw and a footbridge lie south of the Site., The B4591 is east of the Site. To the north a treed open space, garage and commercial properties on Commercial Street. Access is from Commercial Street with a public right of way and a disused area forming the west boundary. It has a postal code NP11 6EE and grid reference ST 244898 and is referred to as the 'Site' in this document.

1.1 SCOPE OF LANDSCAPE WORKS

The proposals are

- Felling of Sycamore trees, removal of section of Leyland Cypress hedge, and undertaking treeworks.
- Protection of retained trees, Leyland Cypress hedge and roots of off-site trees extending into the Site.
- Clearance of the site scrub vegetation in accordance with ecological recommendations.
- Removal of Japanese Knotweed
- Retention of existing river bank slope grass and scrub.
- Proposed planting beds.
- Proposed native blocks
- · Proposed hedgerows
- Proposed trees
- Wildflower grass areas.
- Provision of bird and bat boxes.
- Gaps under fences for hedgehogs
- Management for 5 years
 - o Maintenance of landscaping for one year in landscape contract
 - o Four Years by Client agent Five Years in total.

1.2 DOCUMENTS

The design information provided by the Landscape Architect has overlaps with architectural work, civil and structural engineering work and mechanical and electrical engineering. The subcontractor should be aware that information required to undertake the landscape works will require reference to the documents prepared by other consultants.

The Planting Methodology and Aftercare was produced using information from the following resources. Refer to the following documents as reference for the statement

- CA 2024-RISCA-01 Rev B Existing Features
- CA 2024-RISCA-02 Rev B Landscape Existing Features and Overlay
- CA 2024-RISCA-03 Rev C Landscape Proposals Overall
- CA 2024-RISCA-04 Rev B Landscape Proposals Trees-Hedges-Native
- CA 2024-RISCA-05 Rev B Landscape Proposals Planting Beds-Grass
- CA 2024-RISCA-06 Landscape Sections
- CA 2024-RISCA-LIDL Pontymister Planting Schedule rev13November2024
- Arboricultural ReportLand at Pontymister (ArbTS 11 Oct 2024)
- Preliminary Ecological Appraisal BIO23-122/V1 (Biodiverse Consulting, 2024)
- Ecological Management Plan (Biodiverse Consulting.)
- 3067 P407 I GA Proposed Site Plan

2.0 GENERAL CONDITIONS

EXISTING STRUCTURES ON OR ADJACENT TO SITE:

- River Ebbw and footbridge.
- · Steep sided river banks with grass and scrub.
- Existing scrub, bramble and buddleia.
- Fenced Public Right of Way leading to footbridge.
- Highways B4591 and Commercial Street and associated footpaths and cycleways.
- Industrial area and Tesco Superstore south of River.
- · Residential properties along and north of Commercial Street.
- Services and overhead lines and underground services.
- Storage materials
- Existing fencing.
- 2.1 SERVICE DRAWINGS: Any service information on landscape drawings is notional only. The Contractor MUST obtain confirmation of all services from the Principal Contractor and relevant authorities. There are extensive services. Services may require the adjustment of tree positions in certain areas and care with excavations and a requirement for root barriers where necessary.

NOTIFY: All service authorities including the Employer/Principal Contractor of any proposed works which could affect services not less than one week before commencing site operations and observe service authorities' recommendations for work adjacent to existing services.

ACCESS TO THE SITE: - Permission must be gained from the Site Agent for access to visit the whole site. The Contractor's vehicles should not cause obstruction to the Highway and all necessary regulations relating to Highway working must be followed.

Other users who will require access through the landscape contract area are:-

- Principal contractor and other sub contractors
- Access will be required by sub contractors
- Statutory Authorities

WORKING AREA, WORKING HOURS, PARKING, ADVERTISING, HEALTH AND SAFETY Refer to the Principal Contractor's site requirements and attend site inductions and carry out all health and safety instructions required by the Principal Contractor. Provide all Health and Safety information and Method Statements required by Principal Contractor.

2.2 RISKS TO HEALTH AND SAFETY

The nature and condition of the site cannot be fully and certainly ascertained before it is all opened up. However the following risks are or may be present:

- Work close to service covers, street lights, service boxes and markers
- · Public using right of way
- Hazardous materials gas and electricity.
- Work close to live services and working with live services.
- · Service easements on Site and close to Site.
- Site must be left safe at the completion of each day's work eg open trenches made safe,
- During the day all working areas are to be kept safe and all notices and safety procedures followed including temporary fencing where necessary
- Works on access roads eg drop kerbs, footpaths which will require traffic and pedestrian management.
- Working by water and at height by river bank top of steep slopes.
- Maintenance during the maintenance period will need to take into account the security required.
- Use of solvents, inflammable substances, and chemicals
- Use of machinery with moving parts, cranes, drilling rigs, electrical equipment and general use of machines.
- Likelihood of chemical drift
- Making noise or dust during Works
- Excavations danger of underground services
- Hazards due to cold/wet windy weather Manual handling and lifting operations
- Other contractors working on site.
- PROPRIETARY NAMES: The phrase 'or equivalent approved' is to be deemed included whenever products are specified by proprietary name. Where the specification permits the substitution of a product of a different manufacture or type to that specified such a substitution requires approval from the CA and where necessary documentary verification that the alternative product is equivalent in respect of material, safety, reliability, function and where necessary of appearance to the specified product.

BRITISH STANDARDS: All materials, workmanship and plant material must comply with the relevant British Standard unless otherwise indicated.

SIZES: Unless otherwise stated the size indicated is size required

- 2.4 The Contractor shall notify the CA of the date of commencement and completion of the operations outlined below and provide the CA with all necessary documentation required within 7 days to record and verify the Works as follows:
 - a daily distribution return showing the number and description of men employed on the works including those employed by Contractors
 - a daily distribution return showing the number, type and capacity of all plant excluding hand tools currently
 employed on works.
 - · record of actions taken to protect biodiversity and monitor their effectiveness.
 - record of weather conditions and other factors having material effect on progress of Works.
 - record sheets of pesticide applications as required under Control of Pesticides Regulations 1986
 - notification of dates of commencement and completion of operations, including all records of rates of application or
 use of materials, etc of application of fertilisers, pruning, mowing, litter picking and other maintenance visits etc.

Provide all necessary technical submissions, method statements and risk assessments at least one week in advance of relevant operation.

CA CONTRACT ADMINISTRATOR

To be confirmed by Lidl.

SUPERVISION: In addition to the constant management and supervision of the Works provided by the Principal Contractor's person in charge, all significant types of work must be under the close control of competent trade supervisors to ensure maintenance of satisfactory quality and progress.

2.6 SAFETY/PROTECTION

Commonplace hazards which should be controlled by good management and site practice are not listed. GENERAL CONDITIONS

- Site rules from Principal Contractor's Health and Safety Plan use of PPE etc
- Welsh Government Covid 19 Rules
- Continuing liaison :

OPERATIONS AND MATERIALS

- Hazard Working on Highways
- Hazard Working by water- steep river bank.
- Hazard- Use of Chemicals, paints, solvents, timber stain etc
- Hazard Services
- Hazard mechanical and manual handling
- Hazard Tree felling and treeworks- working at height
- Hazard protection of public and site users

MAINTENANCE

- Hazard Working on Highways
- Hazard Use of Chemicals
- Hazard mechanical and manual handling
- Hazard Protection of public .

HSE APPROVED CODES OF PRACTICE: Comply with the following:

- Management of Health and Safety at Work
- Managing Construction for Health and Safety

2.7 PROTECT AGAINST THE FOLLOWING

2.8 POLLUTION:

The contractor / landscape operatives must be conversant with the requirements of the Environmental Protection Act 1990, Pollution, Prevention and Control Regulations 2000, Hazardous Waste Regulations 2005 and the Control of Pollution (Amendment) Act 1989 for the Carriage of Controlled or Special Wastes. landscape contractors must be registered with a relevant Regulation Authority (Environment Agency) and be in possession of a valid Certificate of Registration or Certificate of Registration as a Broker of Controlled Waste under the Act. NOTE the Site is close to River Ebbw so care to avoid pollution important.

2.9 USE OF CHEMICALS

The contractor/ landscape operatives must comply with 'The Control of Pesticides Regulations 1986', 'The Control of Substances Hazardous to Health Regulations 1988' and any other current legislation and subsequent revisions.

All chemicals must be products on the current list of Agricultural Chemicals Approval Scheme and used strictly in accordance with the conditions of approval. The landscape contractor must comply with all relevant Codes of Practice issued by MAFF.

All pesticides/herbicides transported or stored in the landscape contractor's vehicles or on site (regardless of quantity) shall be locked in a separate storage compartment or within lockable containers which is secured to the floor of the vehicle. All storage lockers must be sealed and clearly marked as containing pesticides and bear a standard black and yellow hazard sign.

Apply pesticides/herbicides strictly in accordance with the manufacturer's instructions in calm, dry weather conditions. Chemicals should not be applied in wet, frosty or windy conditions.

The contractor/ landscape operatives must hold a BASIS Certificate of Competence, or work DIRECTLY under the supervision of a certified holder.

Notify the site operator at least 24 hours in advance of the location, type of pesticide/herbicide, active ingredient and timing of application prior to commencing work. The contractor/ landscape operatives shall erect warning signs at all entrances to the areas to be treated. When restricted to planting beds, warning signs shall be placed within close proximity in clearly visible locations. Details of application and contact person to be shown.

In accordance with COSHH Regulations the contractor shall protect employees and other persons, including the general public and adjacent land owners who may be exposed to substances hazardous to health.

Dispose of waste chemicals and containers in accordance with the 'Control of Pesticides Regulations 1986', 'Control of Pollution Act 1974' and the 'Water Act 2014' and any subsequent revisions.

The contractor / landscape operatives shall be responsible for making good and or compensation for any damage how so ever caused resulting from negligence in application, handling and/or storage of pesticides and herbicides. He shall also be responsible for keeping up to date with all legislation and regulations governing there use and inform the site operator of any changes that may affect the contract in any way.

The contractor / landscape operatives shall ensure that all property and utilities are protected against accidental or negligent damage that may occur. Any damage incurred by the contractor in carrying out their duties is to be made safe immediately and repaired to the satisfaction of the client or Utilities Company at the earliest convenient time, or as agreed, at the cost of the contractor.

It shall be the contractor / landscape operatives responsibility and liability for any damage to person or property, however caused. All operatives shall be trained according to the task to be undertaken.

2.10 EXISTING MAINS/SERVICES: GENERAL: The Contractor shall:

- Ascertain the exact location of all existing services and the like in, under or over the site or adjacent thereto. The
 Contractor will be held responsible for any damage or disruption to such services crossing the site or those used during
 the performance of the Contract. Any such damage as may occur must be made good to the satisfaction of the CA,
 Employer, Service Authorities and adjoining owners or occupiers, at the Principal Contractor's own expense.
- Check the positions of all services before starting work.
- Adequately protect and prevent damage to all existing services. Do not interfere with their operation without the consent of the Service Authorities or private owners.
- If any damage to services result from the execution of the Works, notify the CA and the appropriate Service Authority
 without delay. Make arrangements for the work to be made good without delay to the satisfaction of the Service
 Authority or private owner as appropriate.
- Replace any marker tapes or protective covers disturbed during the site operations to the Service Authorities' Recommendations.
- In the event of a service marker being disturbed for any reason it shall not be replaced other than in the exact position and to its former depth unless the repositioning is carried out at the direction and under the supervision of the Service Authority.
- Check all emergency and contact details for the varied service contacts and emergency numbers are up to date.
- **2.11** NOISE: Ensure that all measures to control noise produced by the Principal Contractor's operations required under or by virtue of the provisions of any enactment or regulations, or the working rules of any industry are strictly complied with.
 - Fit all compressors, percussion tools and vehicles with effective silencers of a type recommended by the
 manufacturer's of the compressor, tools or vehicles.
 - Do not use or permit the use of radios or other audio equipment which may cause nuisance
- 2.12 NUISANCE: Take all necessary precautions to prevent nuisance from dust, rubbish and other causes. Remove daily, and if it should occur on the highway carriageway immediately to avoid any hazard to road users from site rubbish and debris generated from the Works for disposal. Comply with all instructions from the CA in this respect.
- 2.12 FIRE: Take all precautions necessary to prevent personal injury, death and damage to the Works or other property by fire. Comply with Joint Code of Practice 'Fire Prevention on Construction Sites' published by Building Employer's Confederation and the Loss Prevention Council and National Contractors Group.
 Advise the CA immediately if drought, arisings or other circumstances evident give rise to a fire risk.
- 2.13 BURNING: Burning is not permitted on site
- 2.14 WATER: Prevent damage from storm and surface water. Keep site and excavations free of water

2.15 WASTE/ARISINGS:

- Remove debris, rubbish, surplus material and spoil regularly, daily where arisings are from a specific process or work item and keep the site and Works clean and tidy.
- Remove all rubbish, dirt and residues from excavations before infilling.
- Ensure that non-hazardous material is disposed off at a tip approved by a Waste Regulation Agency.
- Remove all surplus hazardous materials and their containers for disposal off site in a safe and competent manner
 as approved by a Waste Regulation Agency and in accordance with relevant regulations.
- Retain waste transfer documentation on site.

2.16 EXISTING FEATURES: Prevent damage to existing structures, fences, walls, roads and paved areas and other site features which are to remain in position during the execution of the Works. If damage occurs make good at the Contractor's own expense and to the satisfaction of the CA.

2.17 TIMING OF WORKS AND ECOLOGICAL CONSIDERATIONS INVASIVE NON-NATIVE SPECIES

Invasive non-native species (INNS) Japanese Knotweed noted on north boundary fence to be treated.

2.18 GENERAL ACTIONS ANDF TIMINGS

The following measures should be incorporated into the design of the development, including the construction phase, to avoid and reduce impacts on wildlife:

- Avoid site clearance works during the nesting bird season (March to August inclusive) unless
 the site is checked by a Suitably Qualified Ecologist (SQE) and active nests are confirmed to
 be absent no later than 48 hours before works commence.
- All works will be undertaken in accordance with a CEMP (Construction Ecological Management Plan). Ecological
 receptors likely to be covered in this plan will include, but not be limited to hedgehog, birds, badger, reptiles, and
 amphibians.
- All construction activities will be programmed to daytime hours to reduce disturbance to sensitive nocturnal species, such as bats and roosting bird species.
- Gaps of at least 13cm x 13cm will be created within boundaries to facilitate movement of hedgehogs and other small animals through the Site.
- Bird nest boxes and bat boxes to be located and installed to the ecologist's recommendations.

3.0 INITIAL WORKS

- 3.1 CLEARANCE AND INTIAL ENABLING WORKS
 - Site Clearance of existing vegetation as indicated.
 - Felling of selected trees, section of Leyland Cypress hedge and treeworks as necessary.
 - Topsoil and subsoil is to be imported as the site has no usable soil available.
 - The existing sloped river bank edge which is either rough grass or scrub is to be retaining intact and works on the top of the bank minimised and the only landscape works on the bank would be minimal maintenance to control vegetation growth at top of the bank and maintain slit planted native blocks planted into top strip on slope.

3.2 TREE REMOVALS

All tree felling and work to be to BS3998-2010 Refer to Arboricultural Report

All arisings are to be removed from Site.

Fell trees, grub up roots and remove all arisings from site

- 2No T8 and T9 Sycamore.
- Section of H1 Leyland Cypress hedge

Protection of G1 Silver Birch and G1 Silver Birch, retained Leyland Cypress hedge and root spread of off-site trees which extend into the Site.

3.3 JAPANESE KNOTWEED

On northern boundary to be treated.

3.4 IMPORTED TOPSOIL AND SUBSOIL

3.5 IMPORTED TOPSOIL

- Quantity: All topsoil that is to be imported is to conform to this specification
- Standard: To BS3882 2015. Plus the following:
- · Source: Submit proposals.
- Classification: Multipurpose.
- Texture to BS3882: Medium loam.
- Reaction, to BS1377-3: pH 6 7.5.
- Crumb structure: Made up of discernible crumbs.
- Stones:
- Size in any dimension (maximum): 20mm.
- Stone content by dry weight (maximum): 15%.

In addition to conforming to the above BS standard the soil should also conform to the following.

Visual Examination:-

Provide the CA a 1kg sealed sample bag of representative soil, for approval of the physical structure of the soil, before chemical analysis is progressed. Obtain approval of a sample load on site of not less than 2m3. Retain for comparison with subsequent loads. Provide a full analysis from an approved testing station in accordance with 'Analysis for Topsoil'.

Physical Parameters:-

Clay (less than 0.05 mm) 5-27% Silt (0.002-0.05 mm) 5-45% Sand (0.05-2.00 mm) 45-85% (At least 50% of the total soil fraction should fall within the medium to coarse sand range) Permeability 10-5-10-6 m/sec

Chemical Parameters:-

PH value (1:2.5 soil/water) 6-7.5 pH
Electrical Connectivity (1:2.5 soil/water) <1500 μS/cm
Electrical Connectivity (1:2.5 CaSO4) <2800 μS/cm
Organic Matter (Walkey Black) 4.0 – 10.0%
Total Nitrogen (Dumas) >0.2%
Extractable Phosphorus (RB427) >26 mg/l
Extractable Potassium (RB427) >20 mg/l
Extractable Magnesium (RB427) >50 mg/l

- TOPSOIL ANALYSIS• All imported topsoil is to be analyzed
- Soil analyst: Submit proposals.
- Samples: Collect in accordance with BS3882.
- Submit:
- · Declaration of analysis:
- · Chemical analysis and contaminants;
- Maximum stone content, stone size and pH value;
- Nutrient content, pH value and textural classification:
- PH value and textural classification;
- Phytotoxic and CLEA elements; and
- · Textural classification and maximum stone content.
- · Report detailing soil analyst's recommendations.

The Landscape Contractor shall obtain a sample for analysis, to determine all of the requirements listed above.

The results and a brief analysis and interpretive report making comment on suitability of material in comparison to BS3882 and the specification included within this document, including recommendations for additives and/or amendments to bring sub-grade soil up to the required specification standard. Topsoil requirements and to support broadleaf native trees with particular reference to the requirement identified above and levels of metals and the likely effects of these on nutrient availability and protection of plant growth.

A certificate of Analysis should also be provided shall be submitted to the CA who may adjust the composition of any specified fertiliser of soil ameliorant and the rate of application, after examination of the Landscape Contractors cost. Where suitable amelioration is not possible the CA may reject the topsoil.

3.6 IMPORTED SUB-SOIL

- Quantity: All subsoil that is imported is to confirm to this specification.
- Standard BS 8601 2013 Subsoil.
- Source: Submit proposals.
- Crumb structure: Made up of discernible crumbs.

Visual examination:-

The subsoil shall have a defined granular, crumb or blocky structure and shall be reasonably free from non-soil material, brick and other building materials and wastes, hydrocarbons, plant matter, roots of perennial weeds and any other foreign matter or material or substance that would render the sand unsuitable for use. Provide the Landscape Architect (CA) a 1kg sealed sample bag of representative soil, for approval of the physical structure of the soil, before chemical analysis is progressed.

Physical Parameters:-

Clay (less than 0.05mm) 5-27% Silt (0.002 – 0.05mm) 5-50% Sand (0.05 –2.00mm) 40-85% Max. Stone Content (2 –50 mm) 50% by weight Max. Stone size in any dimension 75mm

Chemical Parameters:-

PH value (1:2.5 soil/water) 5.0-8.2 Electrical Connectivity (1:2.5 soil/water) <2000 μ S/cm Electrical Connectivity (1:2.5 CaSO4) <2800 μ S/cm Organic Matter (Walkey Black) % <2.0

Potential Contaminants:-

Refer and comply with Integral Geotechnique's Specific Target Level for the imported Capping Layer Soils List attached at the end of this specification.

Subsoil is to be naturally occurring material, excavated from a level immediately below the vegetable topsoil down to a maximum depth of 2.0m from the original ground level with no stone or rubble material larger specified. The material shall be a friable consistency, free draining, free from extraneous material and pernicious weeds. The subsoil must contain no chemical or domestic refuse or pollutants that would be harmful to short term or permanent plant or animal life. The material will not be extreme in either alkalinity or acidity. It is not acceptable to use topsoil within subsoil layers.

All sources of material shall be stated and a 2m³ minimum sample shall be provided for analysis, inspection and approval prior to deliveries to site. All supplies thereafter shall conform to approved samples. The CA may reject any subsoil with high stone or rubble content.

3.7 RIP SUBGRADE BEFORE LAYING SUBSOIL

Scarify subgrade to promote free drainage. The surface on which subsoil is to be placed will be thoroughly ripped to a depth of 200mm before subsoil placement. A cross-ripping effect will be achieved by two passes at an angle of 45 degrees to the edge of the strip at 90 degrees to one another. Remove all stones with largest dimension exceeding 50mm. *If standing water is present on ripped surface inform the CA before placing subsoil*

3.8 PRODUCTS AND MATERIALS

3.9 TOPSOIL AND SUBSOIL

Existing topsoil and subsoil to retained where possible and reused. The Site has limited topsoil and subsoil available.

Most will be imported topsoil and subsoil for new planting beds, tree pits, hedge trenches, native blocks and grass areas.

Topsoil and subsoil depths required for the soft landscaping

- 300mm topsoil 300mm subsoil in planting beds, hedges and native blocks.
- 300mm topsoil 600mm subsoil in tree pit
- 75mm topsoil and 225mm subsoil for wildflower grass areas

3.11 AMELIORANTS

ROOTDIP: Root-balled trees are used a solution of one part Seanure Root Dip to ten parts water be applied around the roots as part of the puddling-in planting system. Barerooted trees to be dipped in root dip solution.

ANTIDESSICANTS: All trees and evergreen plant material on arrival at site shall be sprayed with an appropriate antidessicant approved by the CA unless the temperature is below 10degC.

GREEN COMPOST: Green recycled compost shall be used which will have an organic and fibre content and some trace elements. It shall improve soil structure and help retain moisture. Green Compost to be made under strictly controlled conditions from green, organic recycled material. PAS 100 standard. Sample to be approved before full orders made. The supplier is to provide a sample and details of the compost components and approved by the Client before use on site.

Spread 50mm depth of compost on surface of all planting beds work into full topsoil depth. Green Compost to be 10% tree pit and work into full topsoil depth.

To be obtained from a local supplier and sample approved before full load brought to site.

MULCH:

To be 40mm Blue Slate chipping 50mm thick laid over Geotextile weed membrane as indicated for planting beds, and native blocks except wildflower grass area is to be bark mulched.

Bark mulch to be used. The product shall consist of

- predominantly matured European Pine Bark with an even nominal particle size distribution of 5-35mm with minimal dust and fines and less than 5% wood content.
- The pH to be between 4.5 and 5.5.
- The product shall be pest, disease and weed free and not have been treated with Methyl Bromide or any
 additives
- The product shall have been tested in accordance with the requirements of BS 4790:1987, for fire resistance.

Or other approved product with the same specification.

GEOTEXTILE WEED MEMBRANE

Terram Weedguard Terram <u>Tel:-01621</u> 874200 Email:-info@terram.com

For all planting beds except native blocks, hedges and nursery beds.

PERMEABLE ROOT BARRIER

The root barrier is to be Terram Rootguard which is a permeable root barrier. These are to be used in tree sides facing services or easements within 2.00m of tree stems

Terram

Fiberweb Geosynthetics Ltd Blackwater Trading Estate The Causeway, Maldon Essex CM9 4GG Tel: +44 (0) 1621 874200 email:info@terram.com www.terram.com

3.12 ACESSORIES

TREE TIES: Tree ties are to be Hessian webbing 50mm wide, wrapped around tree stem and nailed to the stakes with 40mm galvanized nails according to tree type.

TREE STAKES: Tree stakes shall be larch or sweet chestnut poles celcure treated, 75mm in diameter, straight with butt end Extra Heavy Standard Trees will have 2No stakes. The stakes are to be set 1200mm above ground.

SPIRAL RABBIT GUARDS

Green Tech Rainbow Bio Spiral Guards with a green tint. 60cm x50mm diameter

3.13 PLANT MATERIAL SUPPLY

PLANTS GENERALLY

Trees and plants are to conform to the relevant section of BS 3936 (publication series) and the National Plant Specification. No substitutes are to be accepted without the consent of the landscape architect and the local planning authority. All plants shall be true to size specified on the planting plan and schedule. All plants shall be healthy, bushy, pest and disease free and not pot-bound, dry, water logged, leggy or weak. A minimum of five breaks per shrub is required. Trees shall be vigorous, of good shape and with a well-branched head.

Plants that are container grown (CG):

- Supplied in a growing medium with adequate nutrients for the plant to thrive until permanently planted.
- Centred in the container, firmed and well-watered.
- With root growth substantially filling the container, but not root bound, and in a condition conducive to successful transplanting.
- Grown in the open for at least two months before being supplied.
- Grown in containers with holes adequate for drainage when placed on any substrate commonly used under irrigation systems.

HANDLING AND DELIVERY: The Contractor shall comply with the recommendations of the booklet 'Plant Handling' published by the Committee for Plant Supply and Establishment in July 1985.

The Contractor shall include for packing, loading and transporting plant material, trees, etc from the source of supply to the site. All plant material shall be carefully packed and protected to survive transport to site without damage in lifting from the nursery, loading, transit or unloading. Any plant material which sustains major damage shall be rejected and replaced at the Contractor's expense, but slight mechanical damage may be corrected by careful pruning and wounds exceeding 25mm diameter shall be treated with fungicidal sealant.

If plants are not planted within 24 hours of delivery they shall be heeled in by placing the roots in a prepared trench covering them with fine soil and well firming and watering to prevent air pockets.

PLANT INSPECTION: The CA reserves the right to inspect all plant material prior, during and after planting and reject any plants that fail to meet a satisfactory standard.

TREES: They shall have either a well balanced head or well defined central leader with branches growing from the stem with reasonable symmetry and shall comply with the following definitions:

- Extra Heavy Standard Trees shall be rootballed. They shall be of a minimum height of 4.00-4.50mm with a sturdy taper and reasonably straight stem minimum 1.75- 2.00m in height from ground level to the lowest branch with a minimum girth of 14-16 cms when measured 1.00m from ground level.
- Native Hedge Plants- Native Block Plants. These are to be strong well-rooted nursery stock evenly developed with a single well defined, straight and upright central leader. The main stem shall be furnished with lateral shoots. The

plant shall be self supporting with a stem circumference at the root collar of 30-50mm. Overall heights as specified in the Plant Schedule. All whips are to be bareroot.

Some native plants are container grown refer to POT GROWN SHRUBS.

CONTAINER STOCK TREES

Container stock trees are **not** to be used. Tree planting is to be undertaken in season.

POT GROWN SHRUBS: A shrub which is pot-grown or container-grown may, according to species, be cut back or trimmed to encourage bushiness. The size of pot shall be as stated in the Plant Schedule. The height of shrubs shall be measured from the ground level, excluding rootball or any container.

4.0 WORKMANSHIP - LANDSCAPE

4.1 SITE CONDITION

The Contractor shall be held responsible for the keeping of the Works in a neat, tidy and litter free condition through the duration of the Contract.

Litter means arisings or residues from the Works, cans, bottles, paper and other extraneous objects.

4.2 WATERING: Water is to be provided by the Principal Contractor and access without cost to the private water system. The Landscape Contractor is to supply hoses and sprinklers and ware as necessary up to Practical Completion and as necessary during the defects/maintenance period.

Quantity: Wet full depth of topsoil.

Application: Even and without displacing plants, mulch or soil.

Frequency: As necessary to ensure the establishment and continued thriving of all seeding/turfing and planting.

Watering for planting of trees, shrubs and whips after planting and if dry conditions occur

DROUGHT CONDITIONS: If water supply is or is likely to be restricted by emergency legislation:- inform the CA without delay of the additional cost of second class water supply from a sewerage works or other approved source.

- if planting has not been carried out, do not do so until instructed.
- if planting has been carried out, obtain instructions on supply of water.

PERMANENT DRAINAGE SYSTEM: This is not to be used for disposal of water from excavations without approval.

4.3 FORMATION OF GENERAL GROUND LEVELS

The levels of the site of the site will be as the Architect's or engineer's details

New ground levels need to be as required by the Engineer for paving edges and other hard surface edges and left ready for soil profiling if required to the required depth for the finish of shrub or shrub and tree planting so that the finished topsoil levels can be 50mm below finished hard edging adjacent to the building and within the carpark areas.

The areas shall be excavated or filled to the correct depth for the soil profile.

The subbase material in the excavated bed areas, grass areas and planting pits are to be broken up to a depth of 200mm as required,

4.4 SOIL PROFILE FORMATION

LOOSE TIP FILLING FOR LANDSCAPE AREAS

SUBSOIL FILL

Do not firm, consolidate or compact when laying.

Tip and grade to approximate levels in one operation with minimum of trafficking by plant.

PLACING FILL GENERALLY

- Ensure that areas to be filled are free from loose soil, rubbish and standing water.
- Do not use frozen material or materials containing ice. Do not place fill on frozen ground.
- Take all necessary precautions to secure the stability of adjacent structures.
- Place fill against structures, or buried services in a sequence and manner that will ensure stability and avoid damage.
- Plant employed for transporting, laying and compacting must suit the type of material. ie light earth moving plant to be used for all subsoil areas.
- Earthmoving equipment: Vary route to avoid rutting.
- Filling: Layers not more than 300 mm thick.
- Lightly compact each layer to produce a stable soil structure when grading them to an even level..

4.5 HANDLING TOPSOIL

Standard: To BS 3882: 2015.

- Ensure topsoil is free of aggressive weeds weed species: Included in the Weeds Act, section 2 or the Wildlife and Countryside Act Schedule 9, part II.
- Give notice: Obtain instructions before moving topsoil.
- Multiple handling: Keep to a minimum. Use topsoil immediately after stripping.
- Areas to be topsoiled are to be laid over the finished subsoil levels.
- Topsoil areas to be graded to be 50mm below finished edging levels.
- Do not use topsoil contaminated with subsoil, rubbish, oil based products or other materials toxic to plant life.
- Dispose of contaminated topsoil to the Contractor's tip
- Apply herbicide to perennial weeds and allow period of time recommended by manufacturer to elapse before cultivating

SPREADING TOPSOIL DEPTH to the depths specified

Once spread the topsoil shall be kept free of weeds by physical means or by spraying with an approved weedkiller until such a time as planting is carried out.

GREEN COMPOST

PLANTING BEDS/NATIVE BLOCKS AND HEDGES

- Spread 50mm layer of Green Compost and cultivate into full depth of topsoil.
- Reduce top 100mm of all topsoil to a fine tilth suitable for final grading
- Remove all undesirable material brought to the surface, including stones larger than 50mm in any dimension, roots, turf or grass and foreign matter.
- Cultivation and planting shall not be carried out when the soil is very wet or waterlogged, or during periods of frost.
- At all times during ground preparation care shall be taken not to re-compact the soil.

5.0 PLANTING GENERAL

- **5.1** CLIMATIC CONDITIONS: Carry out the work while soil and weather conditions are suitable for the relevant operations. Do not plant during periods of frost or strong winds. Plant only during the following periods:
 - Deciduous trees and shrubs: Late October to late March
 - Container grown plants: At any time if ground and weather conditions are favourable.
 - Ensure that adequate watering and weed control is provided.

NOTICE

Give notice before:

- Setting out.
- Delivery of plants/ trees.
- · Planting shrubs.
- Planting trees

5.2 TREE, SHRUB PLANTING

Planting shall be carried out in accordance with the Plant Schedules and the Contract Drawings.

SETTING OUT: All areas shall be set out in accordance with the Contract Drawings.

PLANT SPACING: Plant spacing shall be carried out in accordance with the Contract Drawing. The CA reserves right to adjust the exact position of all plant material after it has been set out.

The aim will be to space the plants evenly so that when established they will completely fill the areas indicated as fully as possible.

NEW PLANTING AREA

Prior to the placing of topsoil and subsoill ensure existing ground under is thoroughly broken up to a depth of 200mm to allow free drainage.

Remove all rubble, concrete washings, and other builder's debris to provide sufficient depths for topsoil placement. Cut back excessive haunching where it restricts topsoil depths. Excavate tree pits into subgrade prior to top soiling to ensure sufficient depths of soil. Mark tree pit locations with timber stakes.

PLANTING AND CULTIVATION: All planting shall comply in all respects with BS 4428: 1968 General Landscape Operations and for Tree Planting BS 8545: 2014. All plants shall be planted in accordance with good horticultural practice, upright with the roots well spread out at same depth at which they had been previously grown in the nursery. Care being taken to avoid damage to root systems and stems. The plants shall be placed in position in accordance with the Contract Drawings showing their best side to the front. Suspended planting and cultivation when weather or soil conditions are unsuitable.

Cultivations are as previously specified. Soil to be free of weeds prior to commencing planting works, where necessary the topsoil will have weeds removed by physical means or will be treated with weedkiller where necessary to destroy weed growth prior to commencing planting.

Evergreens to be dipped in or thoroughly sprayed with antidessicant after planting. Do not apply in rainy or frosty weather. Ensure full coverage of underside of foliage.

ROOT BARRIERS

Root barriers are to be used where trees are within 2.00m of service runs. The root barriers are to be either installed vertically or laid to line service trenches where appropriate. The root barrier is to be Terram Rootguard which is a permeable root barrier

Terram

Fiberweb Geosynthetics Ltd Blackwater Trading Estate The Causeway, Maldon Essex CM9 4GG Tel: +44 (0) 1621 874200 email:info@terram.com www.terram.com

5.3 EXTRA HEAVY STANDARD TREES

These are to be planted in Planting Beds around the site

- Within the planting beds of the Lidl Store and carpark which are all to be slate mulched.
- In the Native Block 1 (slate mulched) and 2 (75mm depth of bark mulch) and trees with spiral guards.
- In wildflower grass area (with bark 75mm depth mulched circles).

General

- At planting the localized tree pit dug shall be not less than minimum dimensions or 1200 x1200mm x 900mm depth. Allow the tree at planting to have the root flare at finished topsoil level. (this may be the soil mark on the nursery stock. Check this is the root flare point before planting. Correct planting depth is important.)
- Water rootball of rootballed trees with seaweed extract root dip.
- All wires hessian and other rootball wrapping to be removed at planting.
- Trees need to be orientated for the best crown development. It might be found that due to the nature of growing trees on nursery lines crowns develop asymmetrically.
- Tree pit is backfilled with imported subsoil 600mm depth and imported topsoil 300mm depth.
- Add 10% Green Compost is to be mixed in thoroughly into top 150mm of the topsoil backfill.
- The returned soil shall be lightly consolidated by treading as filling proceeds layer by layer with subsoil replaced first and then topsoil in layers above the subsoil
- The tree shall be set upright in the centre of the tree pit so that the soil level after settlement will be at the original soil mark on the tree stem.
- The two stakes shall be driven into the pit 150mm from the edges and fixed before backfilling
- The returned soil shall be finely broken down and placed around the roots gently shaking the tree to allow particles
 to work around the rootball and ensure close contact with all rootball and prevent air pockets. The returned soil
 shall be lightly consolidated by treading as filling proceeds layer by layer, care being taken to avoid damaging the
 rootball. Soil around the root flare of the tree shall be consolidated firmly with the heel.
- Secure the tree to the stakes with Hessian webbing 50mm wide wrapped around tree stem and nail the webbing to the stakes with galvanised nails. The stakes are to be 75mm diameter set 1200mm above ground level.
- Water tree thoroughly after planting.

5.4 HEDGE PLANTING: HEDGES 1-5

Hedges 1-5 are native hedges – plant in double staggered rows at 0.30m centres.

All container grown plants shall be well-soaked in water with alginure root dip in the water prior to planting and planted into the trench area and all bare-rooted plant material to be dipped into alginure root dip prior to planting.

- Excavate hedge trench 1000mm wide to a depth of 600mm.
- Break up base of hedge trench to a depth of 300mm
- Spread 300mm depth of imported subsoil and 300mm depth of imported topsoil over the trench.
- Cultivate trench and work in Green Compost, 50mm layer spread over area to full topsoil depth. Remove any debris arising from cultivations.
- Water the hedge plants thoroughly after planting.
- Supply and spread a layer of Slate Mulch 50mm deep over area of hedge trenches to Hedges 1-5.
- · Water plants thoroughly after planting

5.5 **ORNAMENTAL PLANTING BEDS 1-11**

Supply and plant shrubs at spacing indicated on the Contract Drawings and of species and sizes indicated on the Plant Schedule.

All container grown plants shall be well-soaked in water with alginure root dip in the water prior to planting

- Excavate planting beds to a depth of 600mm.
- Break up ground under to a depth of 300mm.
- Spread 300mm depth of imported subsoil and 300mm depth of imported topsoil over area.
- Cultivate planting beds and work in Green Compost, 50mm layer spread over area to full topsoil depth. Remove any debris arising from cultivations.
- Supply and lay a geotextile weed membrane with a minimum overlap of 200mm and holes cut for planting. Sufficient pins to be installed to prevent membrane lifting.
- Supply and plant the plants as specified
- Supply and spread a layer of Slate Mulch 50mm deep over the planting bed areas.
- Water plants thoroughly after planting

NATIVE BLOCKS

Supply and plant plants and underplanting of species and sizes indicated on the Plant Schedule and Drawings. All container grown plants shall be well-soaked in water with alginure root dip in the water prior to planting and planted into the trench area and all bare-rooted plant material to be dipped into alginure root dip prior to planting.

Native blocks occur in 3 different locations

- Around the Lidl carpark.
- A block at the rear of the store and wraps round the loading bay with no public access.
- At the rear of the wildflower grass on the west side of the public right of way

General area preparation

- Excavate native blocks to a depth of 600mm.
- Break up ground under to a depth of 300mm.
- Spread 300mm depth of imported subsoil and 300mm depth of imported topsoil over area.
- Cultivate native blocks and work in Green Compost, 50mm layer spread over area to full topsoil depth. Remove any debris arising from cultivations.
- Supply and lay a geotextile weed membrane with a minimum overlap of 200mm and holes cut for planting. Sufficient pins to be installed to prevent membrane lifting.
- Supply and plant the plants as specified
- Supply and spread a layer of Slate Mulch 50mm deep over the native block areas.
- Water plants thoroughly after planting

Native Block 3-9 around carpark edge.

- Plant at approx 5 per sq metre..
- Supply and lay a geotextile weed membrane with a minimum overlap of 200mm and holes cut for planting. Sufficient pins to be installed to prevent membrane lifting in the carpark bed.
- Supply and plant the plants as specified
- Supply and spread a layer of Slate Mulch 50mm deep over the area.
- Water plants thoroughly after planting.

Lidl Native Block 1 at the rear of Store

- Plant at at approx 3 per sq metre
- Supply and lay a geotextile weed membrane with a minimum overlap of 200mm and holes cut for planting. Sufficient pins to be installed to prevent membrane lifting in the carpark bed.
- Supply and plant the plants as specified
- Supply and spread a 50mm depth of slate mulch.
- Water plants thoroughly after planting.

Native Blocks 2 near public

- Plant at approx 3 per sq metre.
- No weed membrane to be used on this block over time it will form a woodland copse with native planting below after weed control for two years of establishment..
- Supply and spread a 50mm bark mulch across the nature bock area.
- Water plants thoroughly after planting.

NATIVE BLOCKS SP1-3

Supply and plant plants and underplanting of species and sizes indicated on the Plant Schedule and Drawings.

SP1 and SP2

These two blocks are slit planted into the existing bank. The existing bank strip where planting is proposed is to be strimmed cut short and arisings removed.

The double slot is made using a suitable planting spade. The slots can either be 'L' or 'T' shaped. The purpose of a double slot is to lift up the soil and create space to allow the roots to be distributed evenly. Once the plant has been positioned in the slot, the spade is removed and the soil is firmed with the ball of the foot.

It is important that the plant roots are distributed evenly

Water the native plants thoroughly after planting.

Leave a 600mm diameter circle around each plant and supply and spread a 50mm layer of bark mulch around each plant within the circle.

SP3 HAND AND AIR KNIFE DIG

An Air Blade is to be used in the areas of native block SP3 planting Root Bed 5 where the roots of H1 Leyalnd Cypress roots and Trees T2,T4 and T7 Horsechestnut and T3 and 6 Norway Maple extend under the existing block area.

Remove any hard material by hand by hand and use air knife to remove any hard materials and soil around the roots under the monitoring by the Arboriculturist. Remove sufficient material to enable topsoil to be spread to a depth to allow for future planting

Supply and lay a geotextile weed membrane pinning it down securely with timber pega

Plants in this area are to be pit planted in minimal pits inbetween roots and minimize root damage.

Supply and spread a layer of Slate Mulch 50mm deep over the native block.

Water thoroughly after planting

5.8 PROTECTIVE FENCING

If necessary protective fencing will be erected to protect completed works where necessary where other adjacent works are in progress and there is a risk of damage by others of completed landscape works

5.9 BAT AND BIRD BOXES

Bird and bat boxes to be specified, located and installed as recommended by Ecologist.

5.10 DEFECTS LIABILITY

All tree, hedge, native, climbers and shrub planting is to be maintained for 5 Years after Practical Completion (1 Year as part of contract and 4 years with managing agent).

All planting completed prior to Practical Completion of the whole soft Landscape works is to be maintained as per maintenance requirements until Practical Completion.

After planting remove all soil from hard surfaces and leave all areas in a clean and tidy condition at Practical Completion.

FAILURES OF PLANTING: Post Practical Completion maintenance of the planting is to be carried out by the Contractor as specified. Any tree/shrubs/plants which are dead, dying or otherwise defective at the end of each growing season within the Defects Liability Period will be regarded as defects due to materials or workmanship not in accordance with the Contract. They must be replaced by approved equivalent tree/hedge/shrub/plant material at the next suitable planting season unless otherwise instructed.

This will not apply if defects are caused by malicious damage after Practical Completion.

6.0 GRASS SEEDING: NEW GRASS AREAS

Areas for grass establishment are as indicated on the Contract Drawing.

 Wildflower Grass Areas are to be EM1 Standard General Purpose Meadow Mix seeded at the rate of 4gms per square metre

All works specified shall be carried out in accordance with BS4428 "Recommendations for General Landscape Operations Section 5"

SEEDED AREA REQUIREMENT

· Growth and development: Healthy, vigorous grass sward, free from the visible effects of pests, weeds

(undesirable species) and disease.

 Appearance: A closely knit, continuous ground cover of even density, height and colour for grass areas.

CLIMATIC CONDITIONS

• General: Carry out the work while soil and weather conditions are suitable.

NOTICE

Give notice before:

- Setting out.
- Applying herbicide if appropriate..
- Preparing seed bed.
- Seeding.

SETTING OUT

- · Boundaries: Mark clearly.
- Delineation: In straight lines or smoothly flowing curves as shown on drawings.

6.1 GRASS OPERATIONS

- Areas to be excavated out as necessary for spreading subsoil and topsoil.
- Prior to subsoil and topsoil spreading break up ground under to a depth of 300mm
- Supply and spread topsoil to required depths

GENERAL GRADING

• Topsoil depth and type varies according to substrate type for different seed mixes: reasonably dry and workable.

Wildflower Grass Areas side of Nursery imported soil
 75mm topsoil
 225mm subsoil

- Contours: Smooth and flowing, with falls for adequate drainage.
- Hollows and ridges: Not permitted.
- Finished levels after settlement: 25 mm above adjoining paving, kerbs, manholes etc.

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GENERALLY SEEDING OF GRASS AREAS

 Care will be required when programming seeding of grass areas to ensure that completed seeding is not damaged by trafficking by others or additional works being undertaken in grass areas after seeding.

PROTECTIVE FENCING

If necessary protective fencing will be erected to protect completed works where necessary where other adjacent
works are in progress and there is a risk of damage by others of completed landscape works.

6.2 WILDFLOWER GRASS AREA

- 225 mm subsoil and 75mm topsoil minimum stone content Nursery Verge
 - o EM2 Emorsgate Standard General Purpose Meadow Mixture seed at rate of 4gms per sq metre.
 - 300mm topsoil and 300mm subsoil Native Block 2 at rear of Lidl store.
 - o EH1 Hedgerow Mix seed at rate of 4gms per sq metre.

CULTIVATION

All soil areas are to be free of weeds prior to commencing seeding..

Before seeding the areas shall be raked to provide a suitable tilth, all stones larger than 50mm shall be removed from the surface and removed from site to the Contractor's tip.

SOWING

The Contractor shall obtain approval of the prepared soil before seeding. Supply and cross sow with the grass mix specified. After sowing once seeds have germinated - the seeded areas are to be lightly cross raked and rolled.

INITIAL GRASS CUTTING: WILDFLOWER GRASS AREAS

After the seed has germinated a first cut is to be made when the grass has reached 75mm in height and cut to 50mm height.

GRASS AREA WATERING.

The Contractor shall water the sown grass areas as necessary and agreed with the CA as failure due to drought will be the sole responsibility of the Contractor.

6.3 DEFECTS LIABILITY

FAILURE OF SEEDING BEFORE PRACTICAL COMPLETION)

If germination has failed within one month of original seeding the above shall be repeated until a total grass cover is achieved. If turf fails before Practical completion it is to be replaced.

Grass Areas - Bare areas and areas of dead grass which are apparent at Practical Completion will be regarded as defects and must be made good by recultivation and seeding at times agreed with CA.

FAILURE OF SEEDING (AFTER PRACTICAL COMPLETION)

Grass Areas - Bare areas and areas of dead grass which are apparent after Practical Completion will be regarded as defects and must be made good by recultivation and seeding at times agreed with CA.

6.4 PRACTICAL COMPLETION FOR GRASS SEEDED AREAS

Grass areas will only be accepted for Practical Completion when germination is seen to be even and of correct density and all weeds removed and the first cut has been satisfactorily undertaken.

No individual areas of grass area will be accepted for Practical Completion until the entire landscape works are completed to the satisfaction of the CA.

Should Practical Completion be delayed all grass areas shall be maintained in accordance with the specification for maintenance.

6.6 WILDFLOWER GRASS AREA MAINTENANCE UNTIL PRACTICAL COMPLETION

The first growing season, the new wildflower and grass areas should be cut regularly (one cut per Month from March-October inclusive) to approximately 50mm to control annual weeds

Water as necessary

7.0 LANDSCAPE MAINTENANCE

MAINTENANCE PERIOD FIVE YEARS: CONSTRUCTION MAINTENANCE PERIOD IS YEAR 1 AND FOLLOWING 4 YEARS BY THE CLIENT'S MANAGING AGENT.

INSPECTIONS AND MONITORING

Landscape monitoring - Annual defects checks to be made in following 4 years to assess defects replacements and monitor the landscape establishment.

Ecologist to receive annual Landscape reports

Ecologist to undertake inspections in Year1 and 5 with additional inspections if the landscape report raises issues.

7.1 Definitions

CA: Contract Administrator shall mean the agent appointed by the Client

7.2 PROGRAMMING AND SITE ATTENDANCE

PROGRAMME OF WORKS: The Contractor shall provide a programme of maintenance works at the commencement of the Contract The Contractor shall maintain an operation plan that demonstrates the monthly progress <u>and</u> the month in advance. The operational plan is to include management objectives to achieve this plan.

SITE ATTENDANCE: The aim of this item is to ensure that small matters are corrected.

The Contractor shall attend to incidental matters which are defined as follows:

- inspect the site and undertake as necessary litter picking, sweeping, leaf clearance and other maintenance Items which require attention in key areas such as at the site entrance, car parking areas and entrances to Buildings
- 'making-safe repairs' to such items as staked trees, fencing etc
- 'making safe' any hazardous items on site eg damaged service covers etc (full repair to be undertaken by Employer's CA.
- reporting to CA any matters requiring more than one hours attendance or requiring specialist work.

MAINTENANCE RETURNS

The Contractor shall submit a monthly maintenance return issue this to CA and copy it to the CA.

7.3 REMOVAL OF ARISINGS:

The Contractor shall remove all leaves, litter, rubbish, dirt and other arisings shall be swept up, collected and disposed of on the same day as the various items of work are undertaken. These arisings shall be collected and unsuitable material disposed off at the Contractor's tip. The Contractor shall take sole responsibility for providing a tip and for all charges, fees, transport and any other expenses in connection with tipping unless otherwise specified in writing by the LA.

Where indicated arisings are to be dispersed.

Ornamental planting beds and trees within ornamental areas arisings are to be removed from site.

Note all green waste arisings is to be recycled via local recycling facilities as the site has not suitable locations for composting material or operations for reusing composted material.

7.4 INSPECTIONS

During maintenance operations the Contractor shall note and report without delay to the CA any of the following:

· activities by others which prevent the normal maintenance operations proceeding in the site areas egg

Statutory Authorities work, new constructions, storage of materials and parking on landscape areas etc.

- damage caused to the site areas by the activity of others on site.
- missing gulley covers or damaged service covers noted during the course of the works.
- damage to boundary fences, other fences, railings and other features for which the Employer is responsible.
- persistent litter problems
- · theft or malicious damage, or clearly unauthorized use of the site areas
- · damage to building structures within site area

Inspect trees after high winds. Refix newly planted trees upright as necessary.

TREE MAINTENANCE: GENERAL The Contractor is to take care not to damage tree stems, any damage or tree death resulting from damage shall be made good at the Contractor's expense.

EXISTING TREES

Check trees annually and after high winds and undertake any remedial actions required. Allow for minor trimming of Leyland Cypress hedge.

8.1 STAKED TREES

INSPECTING TREES

Inspection of new trees should be monthly in the first year and bi-monthly thereafter and after high winds to
assess remedial work needed due to storm damage, clearing of dead trees, prevention of trees overhanging
roads and footpaths.

PEST AND DISEASE CONTROL: The Contractor shall report to the CA any indications that pest or disease control treatment is required. Allow for one application of a treatment approved by the CA. Report any squirrel damage noted to CA.

TREE REMOVAL: Remove dead or dying or trees which are poorly located after obtaining approval from the CA. Where the tree is removed from a grass area reinstate soil levels to marry with adjacent levels and seed with an approved mix.

REFIRMING: Ensure that all trees remain firmly bedded in the ground after strong winds, frost and other disturbances. Refirm by treading around the base. Any 'collars' forming at the base of the trees shall be broken up and then backfilled with topsoil.

STAKED TREES

- · Check tree stakes for firmness and signs of rot or damage.
- Refirm or replace as required. Tree stakes to be supplied by the Contractor at his sole cost to be suitable for the size of tree to be staked, fully tanalised, round, peeled and pointed at one end.
- Tree stakes should be removed after three growing seasons. If the tree has failed to anchor at this time the
 tree is to be replaced.
- Check all tree ties. Remove, adjust, refix or replace if broken. Ties to be supplied by the Contractor at his/her own expense. The make of replacement ties must be approved by the CA before use on site. Ties to be nailed
- securely to the stake.
- Provide aeration where compaction is considered to be one cause for poor tree condition.
- Trees are within planting beds, grass areas and native blocks.
- Top up bark mulch around trees in grass areas and Native Block 2 in Year 1 and Year 2.

GENERAL

- · Water as necessary during dry periods
- Any trees which die or are otherwise defective during Year 1-5 Defects/Maintenance Period shall be
 replaced at the Contractor's cost in the next November and March planting season. A final review in Year 10 with
 replacement as necessary by Client.

These works to staked trees are to be carried out between September and February each year unless specified otherwise and when necessary during the remaining part of the year – work should be undertaken when trees are dormant.

PRUNING TREES as follows:

- Remove dead or damaged branches and cut back any ragged edges of wounded bark back to healthy tissue.
- Remove side growths beneath the crowns and any suckering growth from tree base. All cuts to be pared back flush to the stem, trunk or scar tissue.
- Where tree in very poor condition tree removal may be required.
- Pruning shall be undertaken once per year during between October and February. The use of chainsaws and the like will not be permitted, unless instructed by the CA.

9.0 MAINTENANCE OF PLANTING BEDS: GENERAL REQUIREMENTS

PEST AND DISEASE CONTROL: The Contractor shall report to the CA any indications that pest or disease

control treatment is required. Allow for one application of a treatment approved by the CA. Pest and disease control includes for the control of slugs, snails or any other pest (not vermin) which adversely affects plant material. Repeat treatments are too be made as necessary. Report any rabbit damage noted to CA.

REFIRMING: Ensure that all shrubs remain firmly bedded in the ground after strong winds, frost and other disturbances. Refirm by treading around the base. Any 'collars' formed at the base of the shrubs shall be broken up and then backfilled with topsoil.

AERATION: Where the bed is compacted or the soil water logging aerate the soil avoiding damage to any underground plant rhizomes etc and avoid damage to underground services where these occur.

9.1 WEEDING PLANTING BEDS: All planting beds are to be kept weed free at all times. The Contractor is to provide a list of suitable herbicides for use in planting beds and obtain the written approval of the CA.

CONTROL WEEDING - Control weeding means applying an appropriate weedkiller at the beginning of the growing season and thereafter the areas are to be checked once a month in season and any weeds spot treated with an appropriate weedkiller. Initial weedkiller application to be undertaken during mid/late Spring each year **and be completed by 10 June**. This treatment is for newly planted beds .

NOTE CHECK THAT HERBICIDE USED IS SUITABLE FOR USE ACCORDING TO THE PLANT COMPOSITION OF THE BE IF NOT HANDWEED.

9.2 BED MAINTENANCE

MAINTAINING SLATE MULCHED BEDS: During weeding and maintenance operations do not incorporate mulch into the underlying soil. Each Autumn rake over the slate mulch to provide a neat and tidy appearance.

PLANTING BED EDGES: On one occasion per year the soil at edges of planting beds shall be reduced to 50mm below the adjacent hard or grass surface. The resulting soil shall be removed. Care shall be taken to ensure that the bed edges against grass areas are well defined unless otherwise directed by the CA.

NOTE; Where good horticultural practice for the particular shrubs/plants within a bed require a specific fertiliser treatment this shall be applied.

DISEASES: The CA shall be notified of any pest or disease outbreaks. If cutting out diseased material all implements shall be sterilized between shrubs to prevent spreading the pathogen

CONTROL OF UNSUITABLE VEGETATION

During routine visits inspect plantings for sucker growth, and unsuitable/atypical growths and feathers on stems and remove at the point of origin.

9.3 PRUNING SHRUBS AND GROUNDCOVER: All pruning is to be carried out in accordance with the correct horticultural practice for the type of shrub. Vary the amount and nature of the pruning, trimming and shaping according to the species, stage of growth, season and required visual effect.

GENERAL

The Contractor shall allow for pruning once a year, and trimming of vigorous species as necessary through the year. In all cases dead, diseased and damaged material shall be removed.

Where necessary remove growth encroaching onto footpaths, roads, hard areas, grassed areas, signs, lights, sightlines and other features and if directed by the CA.

- Trim as necessary the species to prevent straggly growth or growth beyond the bed limits, reduce the height of shrubs to free tree stems as directed, trim to maintain tall shrubs at a defined height and round off the planting as directed to provide a neat appearance.
- Any plants which die or are otherwise defective during Year 1-5 Defects/Maintenance Period shall be replaced at the Contractor's cost in the next November and March planting season.

ALL ARISINGS FROM PRUNING SHALL BE SHREDDED AND REMOVED FROM SITE AS GREEN WASTE.

PRUNING GENERALLY: The CA will give directions on site for all planting beds to indicate the approach to be adopted for pruning beds and the effect required.

PRUNING EQUIPMENT: The Contractor shall use only two bladed secateurs or other cutting equipment approved by the CA. All cut ends shall be left with a clean finish.

The adjacent plantings should not over run one another and judicious pruning of the shrubs should be undertaken to achieve the best visual effect.

CLIMBERS: Train climbers on to fence. Cut back excessive growth and keep within fence panels.

10.0 HEDGE MAINTENANCE

- Ensure that all plants remain firmly bedded in the ground after strong winds, frost and other disturbances.
- Refirm by treading around the base. Any 'collars' forming at the base of the plant shall be broken up and then backfilled with topsoil
- Provide aeration where compaction is considered to be one cause for poor plant condition.
- Spotweed treat slate mulched trenches.
- Any hedge plants which die or are otherwise defective during Year 1-5 Defects/Maintenance Period shall be replaced at the Contractor's cost in the next November and March planting season.
- MAINTAINING SLATE MULCH: During weeding and maintenance operations do not incorporate mulch into the underlying soil. Each Autumn rake over the slate mulch to provide a neat and tidy appearance

10.1 HEDGE CUTTING:

Trim carefully and neatly to regular line and shape, with the width at the top less than that at the base, using suitable mechanical cutters unless otherwise directed by the CA. Both sides and tops of hedges shall be cut back to previous year's growth. The Contractor is to finish all work to give a neat and tidy appearance over the whole hedge and remove arisings. All cuts shall be cleanly made, without tearing. Remove all grass and weed growth from the base of the hedge together with any litter.

New hedges to be maintained at a height of 1.20m generally.

11.0 NATIVE BLOCKS

These blocks are to be grown to have a natural copse effect.

- Ensure that all native plants/whips remain firmly bedded in the ground after strong winds, frost and other disturbances.
- Refirm by treading around the base. Any 'collars' forming at the base of the whip shall be broken up and then
 backfilled with topsoil.
- Provide aeration where compaction is considered to be one cause for poor whip condition.
- NATIVE BLOCK 2 BARK MULCH Top up bark mulch to 50mm depth for Year 1 and Year 2
- SLATE MULCH ALL OTHER BLOCKS: During weeding and maintenance operations do not incorporate mulch into the underlying soil. Each Autumn rake over the slate mulch to provide a neat and tidy appearance
- Any native plants/whips which die or are otherwise defective during the Years 1-5 Maintenance Period shall be replaced in the next October and March planting season to maintain a stocking level of 70%.

PRUNING NATIVE PLANTS/WHIPS it is to be undertaken as follows:

- Remove dead or damaged branches and cut back any ragged edges of wounded bark back to healthy tissue.
 Prune only to encourage bushy growth.. Pruning shall be undertaken once per year during mid/late Spring and be completed by 15 June and once during October in first two years. Thereafter once per year between October and February. The use of chainsaws and the like will not be permitted
- In Year 5 thin the block favouring strongest growing best formed plants.

12.0 GRASS AREAS

GENERAL GRASS MANAGEMENT

INSPECTION OF GRASS AREAS AND LITTER PICKING: The Contractor shall inspect grass areas on each occasion before commencing grass cutting operations and shall remove and dispose of all litter, stones and other debris which may cause personal injury, or damage to buildings, machinery or equipment and installations.

COMMENCEMENT OF OPERATIONS : Once grass cutting has commenced on an area, the whole area shall be cut and completed.

GRASS CUTTING MACHINES: Grass cutting machines shall be appropriate for the size of area being maintained and the standards of finish specified. Inaccessible margins, isolated rough areas of any size, corners, bases of fencelines, bases of hedges, Cutters of all mowers shall be sharp, properly set and shall cut the sward evenly and cleanly.

REMOVAL OF ARISINGS: All arisings from grass cutting scattered over roads, paths and planting beds should be swept up, collected and removed from on the same day mowing is undertaken.

Arisings from Wildflower Grass Areas to be removed.

OBSTRUCTIONS: All growth around obstructions in grassed areas and grass overhanging edges of planting beds, bases of trees, stone light surrounds, fence lines and the like shall be cut on each occasion that the grass is cut.

GRASS EDGES: Where grass abuts horizontal hard surfaces cut it back to the edge of the hard surface without forming a channel wherever the overgrowth of grass exceeds 100mm, using an appropriate grass edge cutter, cutting to smooth curves and straight lines as appropriate.

GRASS CUTTING MACHINES: Damage to plants or other material caused by the use of these machines, including nylon cord cutting machines, for whatever reason will require the Contractor to supply and place suitably approved replacement material all at his/her own expense.

INITIAL GRASS CUT: In addition to the requirements of the Contract to maintain grass to specified heights over the year, the Contractor shall cut all grassed areas in early Spring to remove all overwintering grass. The arisings from this cut shall be removed from all amenity grass areas. This work should be completed by 20th March each year unless otherwise agreed with the CA.

GRASS AREAS AROUND TREES An area of a minimum of 900mm diameter around all trees is to be kept free of weeds for first 3 years.

12.1 SPOTWEED CONTROL IN WILDFLOWER AREA

In Wildflower Area spotweed docks, bramble, thistles, Rosebay willow Herb, Ragwort, Marestail and other noxious weeds.

GRASS REINSTATEMENT

Reseed failed grass areas within Years 1-5 as necessary using original grass mixes. Wildflower grass areas water if drought in Years 1 and 2.

WILDFLOWER GRASS AREAS:

All grass, weeds, isolated brambles and the like shall be cut. The finish shall be even, regular and free from wheel marks. This item shall include for the trimming around all trees and other obstructions at the same time. The Contractor will obtain approval from the CA for the type of mowers to be used prior to commencing mowing operations.

MINIMUM HEIGHT not to be less than

Year 1

Mow frequently to control flush of weed growth in

75mm

Year 2-5 First cut March Second March cut height 40-70mm Sept/Oct cut 40mm Remove arisings

'Hay cut' Sept/Oct

12.2 RIVER BANK MAINTENANCE

Clear litter of banks and remove from Site.

Trim back excess growth at of slope growing onto footpaths.

Remove any seedling trees which may destabilise the slope

13.0 INVASIVE NON NATIVE SPECIES

In the event that invasive plant species become established on site they will be controlled at the nearest opportunity using approved methodology and guidance (http://www.nonnativespecies.org) to avoid the risk of further contamination and spread. Common examples include:

- Treat Knotweed if it reoccurs.
- Cut Himalayan balsam (*Impatiens glandulifera*), by hand or machine below the lowest node to prevent the formation of flowers and seeds.

GENERAL YEARS 1-5	09-Nov-24	<u> </u>	<u>L</u>	<u> </u>		<u> </u>			<u>l</u>	<u> </u>		<u> </u>						<u></u>			
Management Objective/ Feature	Task Description	Year 1				Year 2				Year 3				Year 4				Year 5			
		Jan	Apr	Jul	Oct	Jan-	Apr	Jul	Oct	Jan-		Jul	Oct	Jan-	Apr		Oct	Jan	1 '	Jul	Oct
		Feb	May	Aug	Nov	Feb	May	Aug	Nov	Feb		Aug	1	Feb	May	Aug		Feb		ı - '	Nov
/EARS 1-5		Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec
ITTER	Clear all litter on every visit for landscape maintenance																				
	minimum monthly from soft landscape areas.																				
WILDFLOWER GRASS AREAS	Year 1 mow/strim monthly to control flush of weed growth										+							 			\vdash
Enhance biodiversity	Year 2 onwards Winter grass cut and remove arisings																	1 7			
Provide Pollinators	Year 2 onwards Autumn grass cut and remove arisings																	l •			
Native Block 2	Spotweed treatments only																	ı			
Nursery Verge	Water as necessary in dry periods in first two years																	ı			
TVIOTING TREES	Reseed failed sections if any failure in 5years				A 64 1 12 1	hin de			A.C I I'l.				A.64	d.			A.C I. Ul.	L. Carlo			_
EXISTING TREES	Check annually and after high winds				After High	n winds			After High	winds			After High	winds			After High v	winds			
Provide nesting opportunity for birds	Undertake minor works as necessary																	<u> </u>			
NEW STAKED TREES	Check the trees and after high winds	Monthly				Every 2 months				High winds				High winds							
Inhance visual amenity	Check to include health/disease/pest etc and remedial measures Refirm																				
Enhance biodiversity																		ı			
Provide Pollinators	Aeration if necessary Check trees refix upright as necessary. Cut ties loose in Yr 3 and remove stakes in Year 3	Monthly check and	l refix			2 month check a	nd refix						Remove Ties &								
Danidar Olimata Okamus	Daniel and the first formation		1										Stakes					1			
Consider Climate Change	Remove weeds for first four years Top up mulch for first two years only where trees in bark mulched																	ı			
	native block. Rake over and top up slate mulch as necessary in																	ı			
	Years 1 and 2																	ı			
	Water as necessary during drought periods,regularly in dry periods																	ı			
	during first two years of establishment																	ı			
	Apply foliar or liquid fertiliser if necessary in first two years	March				March												1			
	Pruning as necessary to remove deadwood and as necessary to																				
	retain natural habit form of the crown																				
	Replace defective trees in Years 1-5.				Oct	March			Oct	March			Oct	March				March			Oct
PLANTING BEDS	Check to include health/disease/pest etc and remedial measures	Monthly				2 months															
Enhance biodiversity	Refirm	Ť																			
Provide Pollinators	Remove weeds for first four years																	ı			
	Rake over and top up slate mulch as necessary in Years 1 & 2												1					ı			
	Aeration if necessary																	ı			
	Water as necessary during drought periods for first 2 years																	L			
	Prune as necessary according to species type																				
	Replace defective plants as necessary in 5 year period				Oct	March			Oct	March			Oct	March				March			Oct
IEW HEDGES	Refirm																				
Enhance visual amenity	Remove weeds for first four years													I			1	1			
Enhance biodiversity	Rake over and top up slate mulch as necessary in Years 1 & 2		1				1														
	Hedges to be maintained at a height of 1.20m																				
	Water as necessary during drought periods for first 2 years				Oct	March			Oct	March			Oct	March			1	March			Oct
	Replace defective plants as necessary in 5 Year period				Oct	Water			Oct	IviaiCII			OCI	Mai CII				iviai CH			Oct
NATIVE BLOCKS	Refirm																				
Enhance visual amenity	Remove weeds for first four years																1 1	1			1
nhance biodiversity	Top up mulch for first two years only where trees in bark mulched		1				1										1 1	1			
	native block. Rake over and top up slate mulch as necessary in																1				1
No. of the Politice of	Years 1 and 2		1																		
Provide Pollinators	Prune as necessary for bushy growth and thin in Year 5																				
	Water as necessary during drought periods for first 2 years Check , refix and replace spiral guards. Remove in Year 3	Monthly check and	refix			2 month check a	nd refix						Domesus	•			1	1			
	Oncor, rein and replace spiral gualus. Remove III Teal 3	ivionally check and	Tellx			2 monun check a	nu renx						Remove Spiral					1			
	Replace defective plants as necessary for 70% establishment		I		Oct	March			Oct	March			Guards Oct	March				March			Oct
	Thin in Year 5 and 10 to favour long lived species				U Si	. Hai off				.naron				. A.C. OI			1	a. on			330
	Review Site in Year 10 and confrim actions		1				1								1		1				
RIVER BANK SLOPES	Litter pick, cut back excess growth, remove seedling trees as																				

GENERAL YEARS 1-5	09-Nov-24																	└	
Management Objective/ Feature	Task Description																	1 /	
		Year 1					Year 2					Year 3			Year 4		Year 5	/	
	necessary to keep slope stable											ı						1 '	
																		<u> </u>	
	MONITORING																		
FINAL CERTIFICATE	A detailed inspection will be made at the end of the first											ı						1 '	5 Year
	year of maintenance and a final defects report will be issued											ı						1 '	Review
	This will include progress on all biodiversity recommendations																		
MONITORING	Annual defects checks to be made in following 5 years to																		
	assess defects replacements up to Year 5																		
	After 5 Years checks every 5 Years																		
	Ecologist monitoring Year 1 and Year 5																		
TIMING OF OPERATIONS		JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC						
	Bird Nesting Season			Breed	ling													1 '	
																		1 '	
	Reptiles Active	Hibern	ating									Hiberr	nating					1 '	
																		1 '	
	Bat Activity	Hibern	ating			Roostin	ıg					Hiberr	nating					1 '	
																		1 /	
																	1	1 '	

	LIDL STORE : PONTYMISTER : RISCA: NP11	6EE 	1		09-Nov-24 Rev13 Nov2024	
		ē.	ator		1.0010110002027	
		Native	Pollinator			
KEY	SPECIES		8	NAME	SIZE	QTY
	TREES All trees to be rootballed for autumn planting/win	tor pla	nting	nly		
	All Tree pits 1500 x 1500mm square as indicated			illy		
	Acer campestre Elegans	N	Р	Field Maple	14-16cm girth Extra Heavy Standard	4 No
	Alnus glutinosa Acer platanoides Columnare	N	P	Alder Norway Maple	14-16cm girth Extra Heavy Standard 14-16cm girth Extra Heavy Standard	3 No 6 No
	Betula pubescens	N	'	Downy Birch	14-16cm girth Extra Heavy Standard	3 No
	Betula pendula	N		Silver Birch	14-16cm girth Extra Heavy Standard	3 No
	Crataegus monogyna Malus trilobata	N N	P P	Hawthorn Crab Apple	14-16cm girth Extra Heavy Standard 14-16cm girth Extra Heavy Standard	1 No 3 No
	Sorbus intermedia Bouwers	N	P	Whitebeam	14-16cm girth Extra Heavy Standard	3 No
	 TOTAL					26 No
						_
	NATIVE BLOCKS			NATIVE 1-9. NativePits1-3 Plant at 5 per sqm in small blocks	Spacing as indicated in Blocks 1&2	918 m2
				Pit Planting at 0.30m cts	Spacing as indicated in blocks 102	
Ac	Acer campestre	N	P	Field Maple	60-90cm 1+1	130 No
Cb Cm	Carpinus betulus Crataegus monogyna	N N	P P	Hornbeam Hawthorn	60-90cm 1+1 60-90cm 1+1	190 No 180 No
Ca	Corylus avellana	N	P	Hazel	60-90cm 1+1	80 No
Cs	Cornus sanguinea	N	P	Dogwood	60-90cm 1+1	70 No
la IJCT	llex aquifolium llex aquifolium JC van Tol	N	P	Holly Form of Holly	30-45cm 3Lpot 30-45cm 3Lpot	300 No 158 No
Lv	Ligustrum vulgare	N	P	Wild Privet	60-90cm 1+1	590 No
Ms	Malus sylvestris	N	P	Crab Apple	60-90cm 1+1	5 No
Ps	Prunus spinosa	N	P	Blackthorn	60-90cm 1+1	5 No
Rc Sauc	Rosa canina Sorbus aucuparia	N N	P P	Dog Rose Rowan	60-90cm 1+1 60-90cm 1+1	5 No 5 No
Scap	Salix capraea	N	P	Goat Willow	60-90cm 0/1	50 No
Sn	Sambucus nigra	N	P	Elder	60-90cm 1+1	5 No
Tb Vo	Taxus baccata Viburnum opulus	N N	P P	Yew Guelder Rose	30-45cm 3Lpot 60-90cm 1+1	300 No 55 No
	·		·	-		
HH VmBV	Hedera helix Hibernica Vinca minor Bowles Variety	N	P	lvy Periwinkle	60-90cm 2Lpot 2Lpot	350 No 135 No
VIIIDV	TOTAL			1 GIWIIRIG	ZEPOI	2613 No
	HEDGEROWS 1-5			HEDGE 1-5		110 linm
	DOUBLE ROW at 0.30m cts and 0.50m apart			HEDGE 1-3		110 111111
Ac	Acer campestre	N	Р	Field Maple	60-90cm 1+1	183 No
Cb Cm	Carpinus betulus Crataegus monogyna	N N	P	Hornbeam Hawthorn	60-90cm 1+1 60-90cm 1+1	183 No 183 No
la	Illex aquifolium	N	P	Holly	40-60cm 3Lpot	183 No
	TOTAL					732 No
	PLANTING BEDS 1-11					379 m2
Ab	Abelia grandiflora		Р	Abelia	40-60cm 3Lpot	50 No
Bal CAZ	Ballota pseudodictamus Choisya Aztec Pearl		P	False Dittany Mexican Orange	20-30cm 2Lpot 45-60cm 3Lpot	275 No 160 No
EPB	Euonymus Paloma Blanca			Dwarf Euonymus	20-30cm 2Lpot	235 No
EH	Euonymus Harlequin		_	Dwarf Euonymus	20-30cm 2Lpot	320 No
Hbux Hcal	Hebe buxifolia Hebe caledonia		P P	Hebe Hebe	2Lpot 20-30cm 2Lpot	117 No 135 No
POL	Prunus Otto Luyken			Dwarf Laurel	45-60cm 2Lpot	280 No
VEP	Viburnum tinus Gwenllian		Р	Viburnum	45-60cm 3Lpot	45 No
VmBV	Vinca minor Bowles Variety TOTAL			Periwinkle	20-30cm 2Lpot	185 No 1802 No
	WILD FLOWER GRASS AREAS EM1 STANDARD GENERAL PURPOSE MEAD	OW M	IXTLIR	=	WFG1-2	585 m2
	Emorsgate Seeds			_		
	enquires@emorsdgateseeds.com				05.0050.555	
	01553 829028 Agrostis capillaris	N		Common Bent	GRASSES 90%	9 %
	Cynosurus cristatus	N		Crested Dogstail		31.5 %
	Festuca rubra	N		Slender Creeping Red Fescue		27 %
	Phleum bertolonii Poa pratensis	N N		Smaller Cat's Tail Smooth-stalked Meadow Grass		4.5 % 18 %
	. sa pratoriolo	'`		S.HOOM SIGMOG WICKGOW OIGSS		
	Contouros pigra	_{N1}	_D	Common Vnor	WILDFLOWERS 10%	15%
	Centaurea nigra Daucus carota	N N	P P	Common Knapweed Wild Carrot		1.5 % 0.6 %
	Galium verum	N	Р	Lady's Bedstraw		0.5 %
	Leucanthemum vulgare	N	P	Ox Eye Daisy		1.5 %
	Malva moschata Plantago lanceolata	N N	P P	Musk Mallow Ribwort Plantain		1.5 % 1.9 %
	Poterium sanguissorba ssp snaguisorba	N N	P	Salad Burnet		1.9 %
	Rhinanthus minor	N	Р	Yellow Rattle		0.5 %
	Silene dioica TOTAL	N	P	Red Campion		0.5 % 100 %
						100 %
	TOTAL					