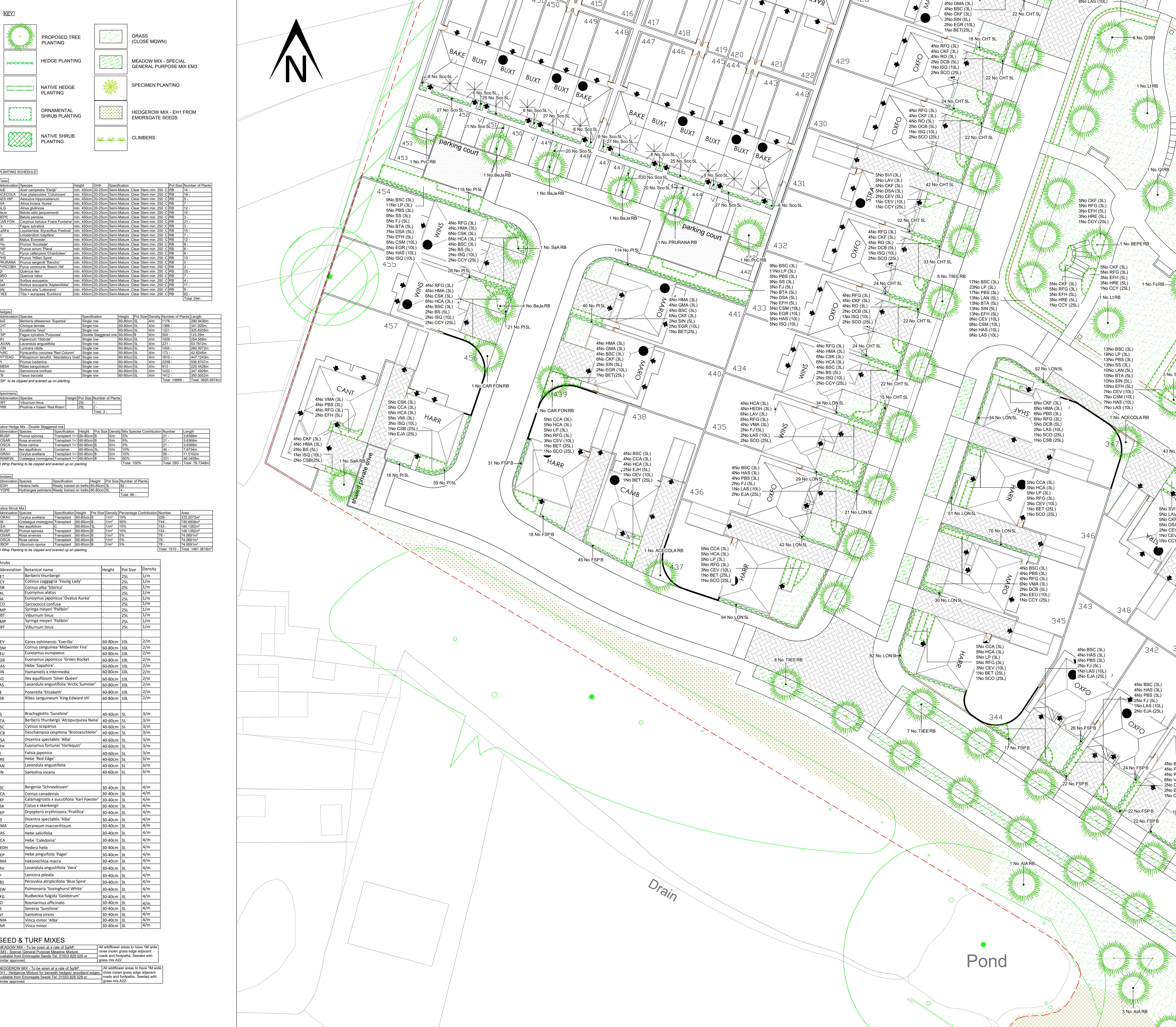


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| <p>GRASSGROW MIX - To be sown at a rate of 30g/m<sup>2</sup>.</p> <p>H1 - Hedgerow Mixture for beneath hedges/ woodland edges.</p> <p>Available from Emorsgate Seeds Tel: 01553 829 028 or</p> <p>similar approved.</p> | <p>An alternative would be to have the wide close mown grass edge adjacent roads and footpaths. Seeded with grass mix A22.</p> |
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| SPECIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| GROUND PREPARATION - GENERAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | GRASS SEEDING AND MAINTENANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <p><b>Preparing for topsoiling</b></p> <p>Grading and cultivation shall be in accordance with BS 4428:1989 section 4. Subsoil that is to receive topsoil shall, wherever obviously overcompacted or not, be thoroughly broken up, by heavy tractor, by subsoiler or fitted equipment with adequate passes made to thoroughly break the surface to a depth of 150mm, cleared of all weeds, grass, tree stumps, perennial weeds, tree roots (excluding firm tree roots), coarse vegetation and other extraneous matter.</p> | <p><b>Soil Preparation and Cultivation</b></p> <p>Final grading of topsoil shall be agreed by the Landscape Architect before cultivation and seeding. All areas to be seeded shall be cultivated to 150mm depth and at weeds, grass, tree stumps and other extraneous matter shall be removed to its. Cultivated soil shall be rolled and raked to produce a 25mm deep. Allow for 10mm dune height where machine work is not possible. Seed sowing must immediately follow the preparation of the seed bed.</p> |
| Subsoil grading                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Seeding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

Sowing should be carried out during winter rainfall. All sowing at the contractor's own risk. The contractor shall be responsible for the maintenance of the seedlings in any areas where germination takes place. It is required that the contractor's own equipment be used for sowing.

The operation should be carried out in 2 equal sowings and transverse directions and the seed rate should be 20 g of seed per m<sup>2</sup> of the 20 g per m<sup>2</sup> per m and over seeding shall be at a rate of 20 g sowings per m<sup>2</sup>.

**Seed Mix**

The seed mix shall be A22 mix, obtained from General Seeds Gd.

It shall be a mixture of the following: pure and germination is specified in BS 4243:1986. Certificates of purchase shall be provided for all deliveries prior to the sowing of grass seed starting source, mature culture of the grass seed.

Intensive culture of the above species may only be used if approved by the contractor.

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 commences. Topsoil shall conform to BS 3882: 2015, Recommendations and classification for topsoil, class 4, 1a. The soil shall be free of weeds, roots or perennial weeds, pests, diseases, debris, tree roots, sticks, subsoil and foreign matter and shall be capable of being broken down to a fine 18h.

**Temporary spoil heaps**  
The disposal of temporary heaps of spoil shall be so arranged that possible damage to existing grass, plants, tarmac-paving, etc. is avoided. Unless otherwise agreed by the Landscape Architect, temporary spoil heaps shall be on protected ground. Such protection shall take the form of earthen walls, or of a concrete wall and a concrete drainage ditch. The spoil shall be covered with a layer of topsoil to prevent damage due to erosion, it shall be made good at the contractor's own expense. Areas excavated for temporary spoil shall have not had the layer of topsoil directly beneath them removed. Spoil shall be removed from the site as soon as possible and shall not be used as temporary off loading areas. If the bottom of the excavation has been loosened off, loading on these areas is permissible.

longer necessary, or as directed.

**First Cut**  
When the grass is 100mm high, it shall be cut down to 50mm so as to avoid root pulling. The grass must be allowed to grow any longer than 100mm from then the grass shall be raked off and taken off site.

**Second Cut**  
When the grass is 65mm high a second cut shall be carried out using a rotar mower. No more than one third of the foliage must be removed.

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| <p><b>Spreading topsoil</b><br/>Prior to topsoil replacement the formation level shall be cleared of all stones, rubbish, debris with any one dimension greater than 75mm. Areas to be seeded or turfed shall be covered by topsoil 100mm thick and areas to be planted shall be covered by topsoil 300mm thick. Topsoil shall be spread in an evenly stratified layer and shall be left cleared of all roots, stones and debris with any one dimension greater than 50mm throughout its depth. Unless otherwise stated the finished level shall be 25mm above</p> | <p><b>Subsequent Cuts</b><br/>Thereafter, when the grass grows to 100mm high, it shall be cut down to 50mm with a flail type mower, until the end of the maintenance period, or longer if so directed. The grass shall be cut on a regular basis if so directed.</p> <p><b>Making Good</b></p> |
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**PLANTING**

**Cultivation**  
Blasgrass agent shall be cultivated to a depth of 225mm in the original ground, or where

**Any defects such as shrinkage, ponding, sparse germination or disease shall be made good and re-seeded all as above. All areas of amenity grass should be top dressed with fertiliser in spring. Application method as per chosen product specification and guidance.**

**Damage to Existing Grass**  
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

the ground is compacted, ripped and rotated. Pile off stones, bricks, timber and all other debris arising which have any dimensions greater than 50mm and remove off site to tip. Do not cultivate across any drain where the stone is flush with the ground surface.

**Soil improvers**

Any amendments, fertilisers or other additions shall be incorporated into the soil

**Rejection of plants**  
All plant material should comply with the minimum requirements in BS 3306-1: 1992

specifications for trees and shrubs and see 9996-4. 2007 specifications for forest trees and BS 8545: 2014. Trees from Nursery to Inspection in the Landscape. Any plant material, which in the opinion of the Architect, does not meet the minimum requirements of the Specification, or is unsuitable, or defective in any other way, will be rejected. The minimum specified sizes in the plant schedule will be strictly enforced. The contractor shall replace all plants rejected at his own cost.

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| <p><b>Planting</b></p> <p>All plant material shall generally be planted between November and March in open cool weather. Planting shall not take place in frosty, snowy or waterlogged conditions. Where necessary, pot or container grown plants may be planted under the described seasonal conditions, but adequate watering shall be supplied. Torn or damaged roots and branches shall be clearly pruned prior to planting.</p> | <p><b>Wildflower seeding</b></p> <p>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</p> |
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| <p><b>Planting of whips, transplants and shrubs</b><br/>         The nature of the material to be planted is variable and the contractor shall allow for planting to be properly carried out in all cases as described in BS 4428: 1989 section 7. Arsenic free planting, section 8 Woodland planting and section 9 Planting of shrubs, herbaceous and bulbs. This includes the growing to the 100mm standard whips shall be clearly pruned to encourage new growth. A mycorrhizal root powder, dipping gel or a dry granule product shall also be applied to the roots, or mixed with soil if using a product</p> | <p>manufacturer and then raked into the soil surface and lightly rolled.</p> <p><b>Wildflower seed mix</b><br/>         Sow the wildflower seed available from Erringerate Wild Seeds. 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.</p> |
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**Protection of newly seeded wildflower areas**  
All reasonable precautions shall be taken to ensure that pedestrian and other traffic does not cross the wildflower areas during cultivation, seeding or establishment. Where obvious short cutting is occurring, the contractor shall erect an approved temporary fence so as to minimize the maintenance period or until such time as it is no longer necessary, or as directed.

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| <p><b>Tree planting within soft landscape areas</b></p> <p>Trees shall conform to BS: 3938-1: 1992 and be planted in tree pits of the following sizes unless directed otherwise:</p> <p>Feathered trees - 900 x 900 x 450</p> <p>Selected standards - 1000 x 1000 x 600</p> <p>4000 x 4000 x 600</p> | <p><b>First cut of wildflower meadow</b></p> <p>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 100mm. Areas seeded during April to May shall be cut in October when flowering is over. In both cases, all cuttings shall be raked up and removed from site.</p> |
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**Subsequent cuts**  
Hereafter cutting shall be undertaken, with a flail mower or strimmer, when flowering is over, twice annually during July to August and September to October. All cuttings shall be raked up and removed.

Compost shall be a proprietary product, bark based incorporating fertilizers and improving additives. The type of compost shall be approved before its delivery on site, and the details of the product shall be supplied. Cambium planting compost is approved. Where directed compost shall be added to and mixed with topsoil backfill at the following rates:

|                                |                                                                                                                      |
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| Feathered trees - 40 litres    | Any weeds/seeds shall be killed; polluting, sparse germination or disease shall be made good and re-seeded as above. |
| Selected standards - 60 litres |                                                                                                                      |

**MAINTENANCE**

All maintenance to be carried out up to handover to the adopting authority/ householder from the date of planting and tending to ensure successful establishment. All dead, diseased or damaged plants shall be replaced by the same or similar species and size.

**Stakes for trees**  
Stakes shall be peeled round softwood, pointed, minimum diameter 75mm. 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:

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| <p>Feathered trees - 750mm (one tie)<br/>         Selected standards - 900mm (2 stakes, one tie each)<br/>         Heavy standards/Extra heavy standards - 1200mm (2 stakes, one tie each)<br/>         The stake shall be long enough to drive until they hold the tree firmly without rocking.</p> <p><b>Tree ties</b><br/>         Ties for bareroot trees shall be approved rubber nail-on type with cushioned spacer</p> | <p><b>Pruning</b><br/>         At appropriate time, prune plants to remove dead, dying or diseased wood and suckers to promote healthy growth and natural shape.</p> <p><b>Watering</b><br/>         The Contractor shall ensure that sufficient water is applied during establishment (Year 1 &amp; 2) and during dry periods to maintain healthy growth of all soft landscape areas.</p> |
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such as Toms, or other equal and approved. Nails shall be flat headed galvanised and shall hold the ties securely into the stake. Ties shall not be over tight on the tree stems. Ties available from J Toms Limited, Wheeler Street, Headcorn, Ashford, Kent. TN27 9SH.

Feathered Type - D4 (one tie)  
Select standards - Type L1 (one tie per stake)  
Master standards - Extra heavy standards - D4 (one tie per stake)

**Litter**  
Site to be kept free of litter.

**Grass cutting**  
The initial cut shall be carried out when first growth is apparent. Blades set 20mm above ground. The Contractor shall continue cutting at appropriate intervals during the growing

Ties for rootball and container grown trees shall be 50mm rubber tree belts in a figure of eight around the tree. Fixed to the stake with two flat head galvanised nails.  
Feathered - one belt  
Select standards Type - two belts  
Heavy standards/Extra heavy standards - two belts

**Planting of trees**  
The tree shall be set 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 50mm arising, collected and carted off site.

**Mulching**  
A 75mm compacted layer of medium grade pulverised bark, with a particle size of not more than 100mm and containing no more than 10% fines, shall be spread to form a continuous layer covering the whole of the bed, or in the case of standard trees within grass shall be in the form of a circle of 600mm diameter around the base of the tree. Whips and transplants shall be mulched in the form of a 300mm diameter circle around

the base of the tree. Where trees are planted within grass a circular hemp mulch mat is required beneath the layer of mulch at the diameters stated above, secured with fixing pegs. The tree pit surface shall be as big as possible.

**Watering of trees**

Trees should be watered at a low pressure, and administered slowly - mimicking rainfall. Water should be applied to the base of the tree, evenly distributed over the entirety of

the root ball to encourage even development. A newly planted tree should be watered when planted and at the point of bud burst in the spring and this should be continued throughout the spring and summer months until the leaves have fallen in the autumn (deciduous trees). Watering should be carried out for the first two summers after planting. During the height of summer water should be applied at a rate of 2 domestic buckets full (or 20 litres) of water every other day. Watering can begin to be reduced as autumn approaches. Trees still need additional water even if it has been raining. Ensure

Soil preparation and cultivation

Turf shall be extra-quality meadow turf and shall comply to BS 3969: 1968 +A1: 2013 and shall be laid in accordance with BS 4426: 1996, section 6, Turfing. The Contractor and refuse larger than 50mm shall be removed to Contractor's tip, and shall be brought to a fine tip. Allow for hand cultivation where machine work is not possible.

**Season**  
Turf shall be laid when weather and soil conditions are suitable and, where possible,

preference should be given to autumn and early winter operations. No turf shall be laid in exceptionally dry or frosty weather or in other unsuitable weather conditions.

**Delivery and stacking**  
For large areas, turf shall be delivered at appropriate intervals throughout the work so as to avoid stacking for long periods.

|                         |          |    |   |
|-------------------------|----------|----|---|
| Amends to latest Layout | 12.04.22 | MD | B |
| Amends to latest Layout | 05.01.22 | MD | A |

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                      |             |              |            |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------|--------------|------------|
| <b>Laying</b> | <p>No turf shall be laid until the soil preparation has been satisfactorily completed by being brought to an even fifth and firmness. Turves from the stack shall be wheeled to turf layers on planks laid slowly side by side. Adequate timber planks shall be used to support operatives and barrows, and provide access. The turves shall be laid in consecutive rows with broken joints (stretcher bond), closely butted and to the correct levels. The turf shall be laid off planks working over turves previously laid. Where</p> | <p>No dimension to be scaled from this drawing<br/>         © Copyright reserved</p> | <p>Date</p> | <p>Drawn</p> | <p>Rev</p> |
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necessary, the turves shall be lightly and evenly firmed with wooden beaters, the bottom of the beaters being frequently scraped clean of accumulated soil or mud. A dressing of finely sifted topsoil shall be applied and well brushed into the joints. Any inequalities in finished levels owing to variation in turf thickness or uneven consolidation of soil shall be adjusted by raking and/or packing fine soil under the turf. A roller shall not be used. The finished levels of the turf shall conform to the levels indicated, allowing for final settlement. Turf colours and textures shall be laid with suitable traces. Turves, when

**Watering.**

The Contractor shall be responsible for the replacement of any scorched turf. All necessary watering shall be carried out with sprinklers or oscillating sprays so as not to wash soil out of joints. If shrinkage occurs and the joints open, fine topsoil shall be brushed in and well watered.

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E-mail: [info@trevorbridge.co.uk](mailto:info@trevorbridge.co.uk)

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|--|-------------------------|
|  | Project                 |
|  | East Halewood           |
|  | Redrow Homes Lancashire |

|  |                                |
|--|--------------------------------|
|  | Title                          |
|  | Landscape Proposal (South RM2) |
|  | Sheet 4 of 11                  |

|          |          |      |         |     |
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| Date     | Scale(s) |      | Dwg no  | Rev |
| July '22 | 1:200    |      | 6412.27 | B   |
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