



SUMMARY LANDSCAPE SPECIFICATION

**EXISTING TREES AND SHRUBS**

Where any existing trees and shrubs are to be retained it is recommended that they should be subject to a full arboricultural condition survey and inspection for safety.

Any surgery required shall be in accordance with BS 3998 (2010) 'Tree Work - Recommendations', shall comply with any existing T.P.O. / Conservation Area requirements and shall require approval of the Landscape Architect and as appropriate the relevant Local Planning Authority prior to undertaken any works.

Avoid damage to branches, trunks and roots of trees. All existing trees and hedges to be retained are subject to BS 5837 (2012) 'Trees in Relation to design, Demolition and Construction - Recommendations' and should be fully fenced off, prior to the commencement of any works, in accordance with Figures 2 & 3 (p.20-21) at the full extent of the root protection area, as determined by Section 4.6 (P.10-11) and Annex D (P. 40).

No storage of materials, disposal of rubbish, site fires, spillage of oil and chemicals, ground compaction, excavation or changes in level shall be carried out within existing tree/hedge canopies or fenced root protection areas.

**PLANTING**

All plants and planting shall comply with the requirements of all current/relevant British Standard specifications including BS 3936: Part 1 (1992), Part 2 (1990), Part 4 (2007), Part 7 (1989), Part 9 (1998), Part 10 (1990), BS 4043 (1989) where applicable and BS4428 (1989). All plants to be supplied in accordance with the plant schedule. Any plant material planted outside the recognised planting season (Nov-Feb) is to be containerised stock and supplied at the sizes specified.

**TREE PLANTING**

A suitable method of foundation allowing for existing ground conditions is to be provided to accommodate the proposed tree planting. All trees are to be planted as shown ensuring a minimum of 5 metres from buildings and 3 metres from drainage and utility services. Where necessary, root barriers are to be installed (supplier Greenleaf or similar approved), in accordance with Structural Engineers and manufacturers recommendations. Allow for the use of container stock during the period 1 April to 31 October, and field grown stock from 1 November to 31 March.

**TOPSOIL REQUIREMENTS**

To BS 3882 (2015) and as qualified by any site specific project contract specification. All areas shall be cultivated to a minimum depth of 150mm. All weed, rubbish and stones over 50mm gauge shall be removed. Earth to be rolled as required and raked in two directions as directed by further sections in this specification..

|                                           |                      |
|-------------------------------------------|----------------------|
| Hedge planting beds                       | - 450mm              |
| Select Standard tree pits                 | - 900 x 600mm depth  |
| Heavy Standard                            | - 1200 x 750mm depth |
| Grass Area (Private curtilage areas only) | - 150mm              |

Where necessary excavate any compacted ground or areas of hardstanding that may conflict with the proposed planting to a minimum depth of 450mm, break up base to a depth of 150mm and backfill with topsoil. Increase tree pit dimensions to ensure that tree pits are at least 75mm deeper and 150mm wider than the rootball. Break up bottom of pits to a depth of 150mm and dome to the centre of the pit. Compacted glazed sides of pits should be roughened to allow root penetration.

Full analysis of both existing and imported topsoil is recommended prior to use to identify nutrient deficiencies and content that may be detrimental to and inhibit establishment and growth.

**TOPSOIL REQUIREMENTS**

Applied to all newly planted areas, to manufacturers recommendations where appropriate:

- 1) Incorporate Alginure Soil Improver or similar approved. 1.5kg/m3 to tree pit backfill;
- 2) Watering - as appropriate supply minimum 54 litres/tree and 4.5 litres/shrub at planting;
- 3) Mulch - lightly fork over planted areas before applying a 75mm depth of 50-100mm grade bark mulch to all shrub and hedge planting . Ornamental bark to consist of predominantly matured British Pine bark with a nominal particle size distribution of 5-35mm with 0% dust and fines and less than 5% wood content. The product shall be pest, disease and weed free and not have been treated with any additives. The product shall have been tested in accordance with the requirements of BS 4790:1987, for fire resistance. NB Watering to be carried out prior to the application of bark mulch.

**PLANT MATERIAL TREATMENT**

NB All to be British grown stock and fully hardened off.

Root Dip - Proprietary Root Dip applied to all bare rooted stock (1) at time of lifting at the nursery and (2) prior to planting.

Anti-Desiccant - At the discretion of the supplier/nursery proprietary anti desiccant to be applied to foliage of all containerised/rootballed material in leaf, specimen conifers and evergreens etc. (1) prior to transportation and (2) during any delay in planting.

Pruning - Allow for pruning all deciduous trees and shrubs by upto 1/3<sup>rd</sup> following planting at Landscape Architects direction or as instructed in the planting schedule.

Tree Stakes - Stakes to be vacuum pressure treated round, smooth and peeled Larch or Chestnut in accordance with the following requirements. Heavy Standard, nursery stock to be double staked with cross bar.

**TREE STAKES TIES & GUARDS**

Trees planted within grassed areas to be planted with appropriate non plastic conical strimmer guards. Stakes to be vacuum/pressure treated with TANALITH preservative to comply with the Treatment Code (TE/GF6), softwood, round, peeled, straight, free of projections and pointed at one end. Minimum length, number and thickness for bare root stock to be determined as follows:

|                |         |              |                |            |          |
|----------------|---------|--------------|----------------|------------|----------|
| Tree Type      | Min dia | Overall Hght | Hght above grd | No. stakes | No. ties |
| <b>Sel Std</b> | 75mm    | 1.65m        | 0.6            | 1          | 1        |
| <b>Hvy Std</b> | 100mm   | 1.8m         | 0.6            | 2          | 1        |

Native hedge planting to be protected with suitable bio-degradable spiral rabbit guards and support cane. Allowance to be made for evergreen and bushy species to be protected with biodegradable mesh shrub guards and 750 x 25 x 25 timber stake and natural ties.

**PRIVATE CURTILAGE TURFED AREAS**

Turf to BS 3969:1998 + A1: 2013 from an approved source. When topsoil is reasonably dry and workable grade to smooth, flowing contours removing all minor hollows and ridges. Cultivate soil to a full depth and break up any compacted topsoil. Control any perennial pernicious weeds. Only apply approved herbicide to control weed growth where areas have become overgrown and only if absolutely necessary to avoid the spread of noxious weeds. Avoid blanket treatment and spot treat pernicious perennial weeds and allow period of time to elapse as recommended by the manufacturer before further cultivation. Reduce top 25mm topsoil to a fine tilth by further cultivation. Remove stones exceeding 50mm in any dimension. Lay turf with broken joints well butted up, working from planks laid on previously laid turves, during appropriate season and weather conditions.

Adjust levels by raking out or filling with fine soil under the turves. Consolidate by lightly and evenly firming with wooden beaters as laying proceeds. Do not use rollers. Dress turf with fine topsoil and brush in to fill joints. Thoroughly water completed turf within 24 hours of laying.

When grass is between 40 and 75mm high remove debris, litter and all stones and clay balls larger than 40mm in any dimension and roll with a light roller. About 48 hours later cut to approximately 35mm high. Remove arisings.

**PRIVATE CURTILAGE GRASS SEED AREAS**

Break up any compacted topsoil to a full depth. Reduce top 100mm of all topsoil to a tilth suitable for blade grading (10mm down particles). Remove undesirable material brought to the surface including stones and clay balls, roots, grass tussocks and foreign matter. When topsoil is reasonably dry and workable grade to smooth, flowing contours with falls for adequate drainage, removing all minor hollows and ridges. Unless otherwise stated finished levels after settlement are to be 25mm above adjoining paving, kerbs and drainage covers. Control any perennial pernicious weeds. Only apply approved herbicide to control weed growth where areas have become overgrown and only if absolutely necessary to avoid the spread of noxious weeds. Avoid blanket treatment and spot treat pernicious perennial weeds and allow period of time to elapse as recommended by the manufacturer before further cultivation. Once complete carry out final cultivation to reduce top 25mm to a fine tilth. Rake to a true, even, lightly firmed surface removing all stones and clay balls more than 50mm in any dimension.

Sow seed during the period August to mid October. And spread evenly at the recommended rates applied in two equal sowings in transverse directions. Lightly harrow or rake. When grass is between 40 and 75mm high remove debris, litter and all stones and clay balls larger than 40mm in any dimension and roll with a light roller. About 48 hours later cut to approximately 35mm high. Remove and dispose of all arisings.

**GENERAL PURPOSE MEADOW MIXTURE (EG1) GRASS SEED AND WILDFLOWER PLUG PLANTED AREAS**

Do not spread topsoil to Wildflower Grassland areas. Break up any compacted soil to a full depth. Reduce top 100mm of all soil to a tilth suitable for blade grading (10mm down particles). Remove undesirable material brought to the surface including stones and clay balls, roots, grass tussocks and foreign matter. When soil is reasonably dry and workable grade to smooth, flowing contours with falls for adequate drainage, removing all minor hollows and ridges. Unless otherwise stated finished levels after settlement are to be 25mm above adjoining paving, kerbs and drainage covers. Control any perennial pernicious weeds. Only apply approved herbicide to control weed growth where areas have become overgrown and only if absolutely necessary to avoid the spread of noxious weeds. Avoid blanket treatment and spot treat pernicious perennial weeds and allow period of time to elapse as recommended by the manufacturer before further cultivation. Once complete carry out final cultivation to reduce top 25mm to a fine tilth. Rake to a true, even, lightly firmed surface removing all stones and clay balls more than 50mm in any dimension.

Sow the grass seed in the autumn and plug plant between September and May. Bulk up the seed with an inert carrier such as sand to make distribution easier. The seed must be surface sown and can be applied by machine or broadcast by hand. Rolling is not usually necessary. In the first year of management after sowing mow as needed, aiming to keep the grass short (30-50mm). Continue mowing through winter and early spring as needed and appropriate. Stop mowing in April and leave until July/August at which time the sowing can be managed as you would established grassland. After twelve months the sward should be well established. Cut the wildflower grassland in March and September/October. Avoid cutting from mid spring to summer to ensure best flowering results. As an ongoing process, observe and remove any weeds which invade the area. Over time, some species within the mixture may become more dominant due to environmental factors and natural selection. To encourage diversity, simply reduce the number of dominant plants in order to restore the balance. In some areas with more dominant grasses, it may be necessary to overseed occasionally with a pure wildflower mixture to ensure the wildflowers remain competitive.

KEY

- Proposed Native Hedge Planting
- Proposed Specimen Shrub Planting
- Proposed Tree Planting
- Proposed Emarsgate General Purpose Meadow Mix (EG1) in accordance with eb site FMS.
- Proposed Emarsgate General Purpose Meadow Mix (EG1) and Wildflower plug planting in accordance with eb site EMS..

PLANTING SCHEDULE

| Trees    |                            |            |             |              |                 |          |
|----------|----------------------------|------------|-------------|--------------|-----------------|----------|
| Plan Ref | Species                    | Girth (cm) | Height (cm) | Root Zone    | Specification   | Quantity |
| Ac       | Acer campestre             | 12-14cm    | 350-425     | 3 X RB       | Heavy Standard  | 6        |
| BpD      | Betula pendula Dalecarlica | 10- 12cm   | 300-350     | 2 X RB       | Select Standard | 3        |
| Pav      | Prunus avium               | 12-14cm    | 350-425     | 3 X RB       | Heavy Standard  | 2        |
| Qr       | Quercus robur              | 10-12cm    | 300-350     | CG 25 Litres | Select Standard | 2        |

All select Standard trees and above to be Clear Stemmed to 1.8m

| Native Hedge Planting - Planted as a double staggered row at 500mm centres with 500mm between rows |                                   |                 |             |           |               |          |
|----------------------------------------------------------------------------------------------------|-----------------------------------|-----------------|-------------|-----------|---------------|----------|
| Plan Ref                                                                                           | Species                           | Form            | Height (cm) | Root Zone | Specification | Quantity |
| Ac                                                                                                 | Acer campestre (Field Maple) 10%  | Transplant      | 60-80       | BR        | 1 + 1         | 40       |
| Cm                                                                                                 | Crataegus monogyna (Hawthorn) 35% | Transplant      | 60-80       | BR        | 1 + 1         | 141      |
| Cs                                                                                                 | Cornus sanguinea (Dogwood) 15%    | Branched 3 Brks | 60-80       | BR        | 1 + 2         | 81       |
| Cav                                                                                                | Corylus avellana (Hazel) 10%      | Branched 2 Brks | 40-60       | BR        | 1 + 1         | 40       |
| IaQ                                                                                                | Ilex aquifolium (Holly) 5%        | Bushy 3 Brks    | 40-60       | 3L pot    | Bushy 3 Brks  | 21       |
| Psp                                                                                                | Prunus spinosa (Blackthorn) 20%   | Branched 2 Brks | 60-80       | BR        | 1 + 1         | 71       |
| Vo                                                                                                 | Viburnum opulus (Guelder Rose) 5% | Branched 3 Brks | 60-80       | BR        | 1 + 2         | 21       |

| Specimen Shrub Planting |                  |                 |             |            |          |          |
|-------------------------|------------------|-----------------|-------------|------------|----------|----------|
| Plan Ref                | Species          | Form            | Height (cm) | Root Zone  | Spacing  | Quantity |
| Cav (s)                 | Corylus avellana | Branched 3 Brks | 60-80       | 10-12L Pot | As Shown | 6        |

As indicated on plan lawns to private gardens and within private curtilage to be sown with Emorsgate General Purpose Meadow Mixture (EG1) at a sowing rate of 5g/m or General Purpose Meadow Mixture turf. Areas beyond private curtilage to be sown with Emorsgate General Purpose Meadow Mixture (EG1) at a sowing rate of 5g/m and then plug plant with wild flowers at a density of 5/m2 with the following:

| Size | Species                                  | Quantity |
|------|------------------------------------------|----------|
| 40cc | Lotus corniculatus (Birds-foot Trefoil)  | 620      |
| 40cc | Primula veris (Common cowslip)           | 620      |
| 40cc | Campanula rotundifolia (Common Harebell) | 620      |
| 40cc | Hippocrepis comosa (Horsehoe Vetch)      | 620      |
| 40cc | Primula vulgaris (Primrose)              | 620      |
| 40cc | Thymus polytrichus (Wild Thyme)          | 620      |

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PROTECTIVE FENCING

The contractor shall maintain any tree protective fencing until all the site works are completed. The contractor will then remove the fencing and reinstate the ground. The fencing will remain the property of the contractor. Within the area so fenced, the existing ground level shall be neither raised nor lowered, all excavations shall then be carried out by hand.

MAINTENANCE

Regular visits during the 12 months maintenance/defects period to maintain all planted areas in a weed and litter free condition using hand weeding methods. Where pernicious perennial weeds persist spot treat with appropriate approved herbicides applied to manufacturers recommendations. The widespread blanket use of herbicides is not permitted. Maintenance to include watering, pruning, pest and disease control and re-mulching as required. Amenity Grass areas within private curtilages are to be mowed at maximum 10 day intervals during the growing season. Cut grass areas to ensure the height of growth does not exceed 75mm at any time. Cut as and when necessary to a height of 35mm and remove all arisings. Before each cut remove all litter and debris. At the time of each cut trim all grass edges and remove arisings. Ensure sufficient water is provided to maintain healthy growth unless water restrictions are in place.

Wildflower Meadow grass areas to be managed as described previously

Hedge planting areas shall be maintained as non-competitive weed free environment using hand weeding methods as appropriate. Persistent weeds and unwanted scrub shall be spot treated as necessary with an alternative herbicide. Watering shall be carried out as necessary to maintain healthy growth subject to any statutory restrictions.

SAFETY PRECAUTIONS

The landscape contractor is to take all safety precautions to prevent any injury to any persons. They shall comply with the requirements of the current Health and Safety at Work Act and current Construction, Design and Management Regulations.

The landscape contractor shall notify the Landscape Architect immediately of any pernicious/notifiable weeds identified on the site and shall take all reasonable precautions to prevent the spread of such weeds.

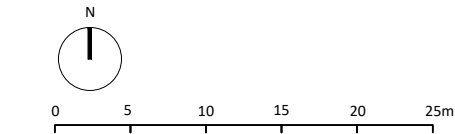
Notes

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**CDM 2015**  
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A Incorporation of BNG enhancements 20.04.23

| Rev | Description | Date |
|-----|-------------|------|
|-----|-------------|------|

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**Client**

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**Project**

Penny Hill Rd  
Holbeach

**Drawing**

Planting Plan

**Scale @ A2**

1: 500

**Date**

27/03/23

**Drawn By**

WW

**Checked By**

GP

**Job Number**

1514-2

**Status**

CC

**Purpose of Issue**

Condition Compliance

**Drawing No.**

1514-2\_CC\_PP01

**Rev**

A