

PLANTING NOTES

- Plant handling at the nursery, & transit up to delivery, shall be in accordance with 'Plant Handling', the booklet published by the Committee for the Plant Supply & Establishment (CPSE). The contractor shall comply with clauses 3 & 4 of the above booklet (obtained from the Horticulture Trades Association 19 High Street, Theale, Berks RG7 5H) which refers to the receipt, unloading & temporary storage of plants.
- Plants shall be first class examples of their species or variety, free from all pests & diseases, with good fibrous root systems & materially undamaged (refer to relevant section of BS53936 Parts 1-4 Specification of Nursery Stock)
- All planting is to be in general compliance with BS4428:1989 'Code of Practice for general landscape operations (excluding hard surfaces)'.
  - Areas of large roots to be grubbed up without undue disturbance of surrounding soil & adjacent areas. Rubbish, concrete, metal, glass, hard surfacing, hardcore, decayed vegetation, weed growth & any contaminated topsoil are to be removed & disposed off-site prior to planting.
- Shrub beds to have a min. depth of 450mm good quality imported topsoil (BS3882), do not use topsoil contaminated with subsoil, rubbish or other materials. Do not compact soil, preserve a friable texture of separate visible crumbs where ever possible. Topsoil to be treated with an application of herbicide prior to planting, where necessary, strictly in accordance with the Control of Pesticides Regulations 1986 (or otherwise updated/ superseded legislation), & following manufacturer's instructions by qualified staff & then should be cultivated to 150mm depth prior to planting. Where existing beds are to be cleared & recultivated, incorporate new spent compost 20% & topsoil 80% into all tree, shrub & hedge areas. All shrub beds/ grasses areas shall have a suitable slow release fertilizer applied at the manufacturers specified rates.
- Shrub Compost. Specimen plants to be planted in a pit 400 x 400 x250mm depth with 5 litres Tree & Shrub Compost.
- All areas of ornamental planting are to be mulched to a depth of 50mm with an amenity grade bark mulch unless plants are located in gravel.
- Formal Hedges:Trench to be dug min 500mm wide x 400mm deep (base broken out to facilitate drainage) and a peat free compost or slow release fertiliser incorporated into the back fill material.
- All turf & grass seed mixes are to be supplied by an approved supplier. All turves are to be laid horizontally to adjacent hard surfaces in a staggered pattern to encourage establishment. All grassed areas are to be watered as necessary to ensure their establishment & continued thriving. New grassed areas to have a min. depth of 150mm good quality imported topsoil (BS3882) & to be treated as item 5, many new soils into existing where necessary. Carry out all work when soil & weather are suitable:
  - Do not sow or turf during periods of frost or strong winds
  - Sow only in Spring & Autumn
  - Ensure that adequate watering & weed control is available.
- Wildflower seeding. Remove existing topsoil, prepare ground and spray with a non-residual glyphosate based herbicide in line with manufacturers recommendations. Spread PASS 100 green waste compost 75mm deep evenly the over area with a rake and make sure surface is ready for sowing seed. Apply seed mix with bulking agent as recommended by supplier 1.5g/m2. Roll/ firm up area if required i.e. when sowing in Spring.
- All trees are to have irrigation pipe with cap wrapped around rootball prior to back filling the tree pit.Trees are to be planted securely either underground guyed in accordance with an approved guying system or staked & secured as follows:
  - Heavy Standard are to be secured using 2no. treated softwood stakes with cross bar, driven firmly into the ground. Stakes to be 1000mm above ground & fixed to tree with suitable rubber tree tie & spacer
  - Standard are to be secured using a single stake driven firmly into ground (0.6m above ground level) & secured with a rubber tie & spacer
  - Multi-stem trees are to be secured using a single angled stake driven firmly into ground & secured with a rubber tie & spacer.
- For all ornamental trees one 80litre bag of tree planting compost (non-peat based) is to be incorporated in the tree pits. Compost must be mixed thoroughly with topsoil. Trees shall be planted in tree pits of the following sizes (or large enough to comfortably accommodate the rootball), whichever is largest:
  - Mature / Advanced 1500x1500x1200mm deep (1050 topsoil / 150 clean stone)
  - Heavy Standard & Multi-stemmed 1000x1000x900mm deep (750 topsoil / 150 clean stone)
  - Selected Standard 800x800x800mm deep (650 topsoil / 150 clean stone)
- Native shrub/ tree planting. Whole area to be treated with a non-residual glyphosate based herbicide prior to planting. All BR stock to be notch planted into the ground & healed into place. All BR, whips & BR stock (woodland mix & hedge) to be protected with a spiral bound biodegradable guard secured in place with a cane. All trees to have mulch mat around base.
- Carry out all work when soil & weather conditions are suitable.Do not plant during periods of frost or strong winds. Plant only in the following periods: - Container grown plants. At anytime if ground water & weather conditions are favourable- Rootballed & bare root trees & shrubs:November-March- Ensure adequate watering & weed control is available.
- Water all plants & trees on the same day of planting, plant only into moist soil & water thoroughly to the full depth of soil immediately after planting. Water regularly through the establishment period (minimum 3 months) to prevent dehydration (min. once a week in periods of drought) to ensure the establishment of the plants during the 12month defects period.
- The contractor must ascertain for himself/herself the exact position of underground services & maintenance points prior to carrying out any digging on site.

PLANTING AFTERCARE - 5 year establishment period

Generally

- Maintain all grass areas, shrub beds and hedgerow planting free of litter and excessive weed growth (i.e. growth that would be detrimental to the intended planting). Do not allow rubbish, grass cuttings, or other deleterious materials to be deposited on any of the planted areas during the establishment period.
- Water all trees, shrubs & hedges in periods of drought (no significant rainfall for 5-7days) during the growing season of the 12months defect liability period. (Growing season is typically late Spring to early Autumn). Water once a week so the soil is fully saturated to encourage deep roots to establish & continue this until significant rainfall.
- Any plants which die or show signs of poor health should be replaced towards the end of the 12month defects liability period by the contractor (Exclusions: Theft or malicious damage after completion). The cause of death or poor health should be investigated & the issue re-mediated prior to any new planting. If necessary plant species can be substituted (with prior agreement with the Landscape Architect) if particular plants are not suitable for the situation due to un-foreseen circumstances.
- At the end of the first 12 month maintenance period ensure soil is thoroughly moistened prior to re-mulching, applying water where necessary, re-mulch all planting beds to a depth of 50mm.
- After the 12month defects liability period the plants within private ownership (front & back gardens) will be the responsibility of the individual home owner, maintenance of all public areas will be passed onto the management company who will need to replace any trees or shrubs that die within a 5 year period in line with the original proposals.

**Grass**  
Maintenance of grassed areas shall include mowing, watering as necessary to saturate soil below, trimming edges to pavings & planted areas at every cut, removing all debris & stones over 30mm in size, prior to mowing, weeding by cultivating, forking hoeing & raking & re-seeding any portions considered necessary & removing from site all debris & stones created by the operations. Pavements to be swept clean of any grass cuttings. Strimming round base of all trees will be carried out with a strimmer fitted with a protective guard to prevent bark damage.  
Grass to be cut fortnightly throughout growing season to height between 25-30mm & remove clipping to tip (April to October)  
Any areas of grass where bulbs are planted must not be mown until leaves turn yellow or show signs of die-back.  
Spike and scarify periodically to promote free drainage and remove moss and thatch.  
In drought conditions the following modifications to specified mowing operations shall be implemented:  
Cutting heights shall be raised to 45mm, mowing shall only continue so long as grass growth continues to reach maximum advisable height.

**Shrub Beds**  
APPLY TO ALL YEARS  
Maintain weed free  
Replace dead/dying plants  
Water in periods of drought 10 litres per shrub per week.  
Remove deadwood.  
At the end of year 5, thin shrub beds to allow adjacent plants to achieve their species potential.

**Hedging**  
The aim is to establish a stable and healthy hedgerow within 3 years from planting with a well shaped framework.  
Maintenance operations:  
Maintained base of plants weed free; spot treat as necessary.  
Replace dead and missing plants or those which fail to establish properly.  
Water throughout the summer months after any period without significant rainfall.  
Ensure plants are secure and upright in the ground. Firm up where necessary.  
After the second growing season, formative prune the hedgerow on an annual basis to remove any dead, diseased or damaged shoots and create a balanced form for future growth.

**Hedge mix**  
Maintenance operations:  
Years 1-3  
Water throughout the summer months after any period without significant rainfall.  
Treat Shrub/Edge Mix area with residual herbicide applied to bare ground at the end of the second years growth.  
Ensure plants are secure and upright in the ground. Firm up where necessary.  
Spot treat any weeds to maintain weed free.  
Prune out any dead wood.  
Replace dead/missing plants  
Re-firm plants where necessary.

**Climbers**  
Maintain weed free  
Replace dead/dying plants  
Water in periods of drought a minimum of 2 times a week.  
Prune annually (timing species dependant)

**Trees**  
Inspect trees and ensure that they are establishing in an upright & safe manner, gently firm loosened soil around trees, straighten leaning trees accordingly  
Stakes and ties; check annually that the stakes are secure and adjust ties to allow for growth as necessary. Remove stakes at the end of the third growing season.  
Trees should be watered once a month regardless of weather conditions during the defects liability period in the growing season (through the irrigation pipe) to ensure that the trees are encouraged to produce deep roots.Water trees in periods of drought at a the following rates:  
150 litres per tree - 14-16cm girth trees & above  
75 litres per tree - 10-12cm girth trees & below  
Prune deadwood, crossing branches etc. Replace dead/dying trees.  
Routine pruning should include the following operations:  
The removal of dead, diseased, damaged or dying branches only where they pose a risk to the users of the site.  
The removal of branches or epicormic growth around the trunk of the tree where it is restricting access, growing over footpaths or obstructing lighting to be cut back.  
Inspection and reporting any incidence of pests and diseases which could cause trees or limbs to fail.  
Any routine tree works should be carried out between end August to the end February to avoid the bird nesting season. If this is unavoidable a bird nest and/ or bat survey must be undertaken prior to works being carried out.

**Native Hedge Mix**  
7 per lin. m planted in double staggered rows approx 500mm apart in groups of 5, 7 & 9  
59 Cm 22 Co 22 Ps  
22 Roc 22 Vo

**Native Hedge Mix**  
7 per lin. m planted in double staggered rows approx 500mm apart in groups of 5, 7 & 9  
364 Cm 137 Co 137 Ps  
137 Roc 137 Vo

PLANTING SCHEDULE

| Shrubs |      |                                |             |           |              |               |
|--------|------|--------------------------------|-------------|-----------|--------------|---------------|
| Nr     | Code | Name                           | Height (cm) | Container | Habit        | Density       |
| 105    | AjC  | Aucuba japonica 'Crotonifolia' | 30-40       | 5L        |              | 3 per m2      |
| 38     | BuL  | Buddleja 'Lochinich'           | 40-60       | 3L        |              | 2 per m2      |
| 29     | CAB  | Ceanothus 'Autumnal Blue'      | 60-80       | 3L        | Bushy        | 2 per m2      |
| 39     | Qr   | Choisya ternata                | 30-40       | 5L        | Bushy        | 3 per m2      |
| 11     | QIS  | Choisya ternata 'Sundance'     | 40-60       | 10L       |              | Refer to plan |
| 41     | EIE  | Elaeagnus ebbingei 'Limelight' | 40-60       | 3L        | Bushy        | 2 per m2      |
| 48     | EIEG | Euonymus 'Emerald Gaiety'      | 30-40       | 5L        |              | 4 per m2      |
| 12     | HeCa | Hebe 'Caledonia'               | 30-40       | 5L        |              | 3 per m2      |
| 30     | HeR  | Hebe rakienensis               | 30-40       | 5L        |              | 3 per m2      |
| 9      | HRE  | Hebe 'Red Edge'                | 30-40       | 5L        |              | 3 per m2      |
| 74     | LaV  | Lavandula ang. 'Vera'          | 20-30       | 5L        |              | 4 per m2      |
| 24     | MaA  | Mahonia aq. 'Apollo'           | 20-30       | 2L        |              | 4 per m2      |
| 4      | PBE  | Philadelphus 'Belle Etoile'    | 60-80       | 10L       |              | Refer to plan |
| 1      | PSD  | Phormium 'Sundowner'           | 100-125     | 15L       | Triple Crown | Refer to plan |
| 32     | PRR  | Photinia 'Red Robin'           | 40-60       | 5L        |              | 2 per m2      |
| 37     | SpGM | Spiraea 'Goldmound'            | 30-40       | 5L        |              | 3 per m2      |
| 31     | Vd   | Viburnum davidii               | 30-40       | 5L        |              | 3 per m2      |

| Climbers |      |                        |             |           |                       |
|----------|------|------------------------|-------------|-----------|-----------------------|
| Nr       | Code | Name                   | Height (cm) | Container | Density               |
| 51       | Hh   | Hedera helix 'Glacier' | 150-175     | 10L       | Sev leaders 0.5m ctrs |

| Hedge |      |                                    |             |           |                   |
|-------|------|------------------------------------|-------------|-----------|-------------------|
| Nr    | Code | Name                               | Height (cm) | Container | Density           |
| 317   | PR   | Prunus laurocerasus 'Rotundifolia' | 60-90       | 5L        | Bushy 3 per lin m |
| 230   | PL   | Prunus lusitanica                  | 80-100      | 10L       | Bushy 2 per lin m |

| Native Hedge Mix - Planted in double staggered rows 7 per lin m |      |                    |             |      |        |
|---|------|--------------------|-------------|------|--------|
| Nr  | Code | Name               | Height (cm) | Root | Age    |
| 423   | Cm   | Crataegus monogyna | 40-60       | BR   | 1+0 40 |
| 159   | Co   | Corylus avellana   | 40-60       | BR   | 1+1 15 |
| 159   | Ps   | Prunus spinosa     | 40-60       | BR   | 1+1 15 |
| 159   | Rc   | Rosa canina        | 60-90       | BR   | 1+1 15 |
| 159   | Vo   | Viburnum opulus    | 60-90       | BR   | 1+1 15 |

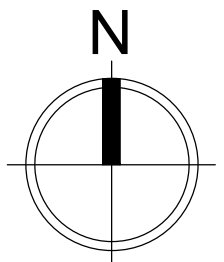
| Trees |      |                                |             |         |                       |
|-------|------|--------------------------------|-------------|---------|-----------------------|
| Nr    | Code | Name                           | Height (cm) | Girth   | Form                  |
| 6     | AmL  | Amelanchier lamarckii          | 300-400     |         | BR/RB Feathered       |
| 10    | BeP  | Betula pendula                 | 350-425     | 12-14cm | BR/RB Heavy Std       |
| 3     | Cb   | Carpinus betulus               | 425-600     | 14-16cm | BR/RB Extra Heavy Std |
| 8     | Cm   | Crataegus monogyna             | 350-425     | 12-14cm | BR/RB Heavy Std       |
| 4     | Fs   | Fagus sylvatica                | 425-600     | 14-16cm | BR/RB Extra Heavy Std |
| 13    | PrA  | Prunus avium                   | 350-425     | 12-14cm | BR/RB Heavy Std       |
| 7     | PcC  | Pyrus calleryana 'Chanticleer' | 425-600     | 14-16cm | BR/RB Extra Heavy Std |
| 2     | Qr   | Quercus robur                  | 425-600     | 14-16cm | BR/RB Extra Heavy Std |
| 6     | RhR  | Rhus typhina                   | 300-400     |         | BR/RB Feathered       |
| 9     | So   | Sorbus aria                    | 425-600     | 14-16cm | BR/RB Extra Heavy Std |
| 9     | Sau  | Sorbus aucuparia               | 425-600     | 14-16cm | BR/RB Extra Heavy Std |

**Marshland wildflower mix - 375m2**  
EM8F Wildflower Wetland Mixture as supplied by Emorsgate Seeds sown @1.5g per m2

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- All dimensions shall be verified by the Contractor (s) on site prior to work commencing and relevant notes being issued.
- Do not scale from this drawing and only work to written dimensions.
- Any discrepancies to be brought to the attention of the Contract Administrator for instruction prior to proceeding.

KEY

- Existing tree or vegetation to be retained & protected in line with Tree Solutions AIA Ref: 19/AIA/Ribble
- Existing tree or vegetation to be removed in line with Tree Solutions AIA Ref: 19/AIA/Ribble
- Proposed Tree - Front Gardens/ Public Areas Extra Heavy Standard Tree, 14-16cm girth, set in soft landscaping with irrigation pipe & double stake support
- Proposed Tree -Rear Gardens Heavy Standard,12-14cm girth, set in soft landscaping with irrigation pipe & double stake support
- Ornamental Hedge 0.6-1.0m high hedge planted @ 3-4 per lin.m with 50mm ornamental bark mulch dressing
- Native hedge mix Whips/ transplants/ container grown plants planted in double staggered rows (rows 500mm apart), 7 per lin. m with suitable spiral guards species
- Ornamental shrub planting Native and wildlife attracting ornamental plants, a mix of evergreen/deciduous 'grasses' perennials & shrubs to provide habitat for birds and insects and for striking year-round display. plants supplied in 3-5L pots planted @ 3-4/m2 in 450mm imported topsoil with 50mm ornamental bark mulch dressing.
- Feature specimen shrub 10-30L containers planted in 600mm imported topsoil
- Grass Grass Seed OR Turf (to be hard wearing amenity quality) eg AIT/Turf Festival or similar approved laid on minimum 150mm imported topsoil
- EM8F Wildflower Wetland Mixture to be sown into soils as supplied by Emorsgate Seeds sown @ 1.5g per m2 Refer to engineers details for construction specifications



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

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|  |                          |              |                             |
|--|--------------------------|--------------|-----------------------------|
| CLIENT<br>Beech Landscapes Ltd                 |                          |              |                             |
| PROJECT TITLE<br>Petre Wood, Phase 3           |                          |              |                             |
| DRAWING TITLE<br>Detailed Planting Plan 2 of 2 |                          |              |                             |
| STATUS<br><b>PRELIMINARY</b>                   |                          |              |                             |
| SCALE<br>1:250                                 | SHEET SIZE<br>A1         | DRAWN<br>KAS | CHECKED<br>- DATE<br>July19 |
| PROJECT NO.<br><b>227</b>                      | DRAWING NO.<br><b>02</b> | REV.<br>-    |                             |