

SPECIFICATION NOTES

1. General.

This plan is to be read in conjunction with the following documents:

- Other drawings by terra firma
- Arboricultural report by B. Harverson

2. General landscaping.

- Existing levels to be preserved around retained existing trees and vegetation. Existing trees and vegetation to be retained are to be protected in accordance with BS5837: 2012 during construction or as detailed in Tree Protection Plan.
- All landscape works to be undertaken by competent persons, with appropriate training and equipment.
- All arisings to be removed from site at contractor's expense unless noted otherwise. (e.g. woodchip, gravel, topsoil, timber sleepers).

3. Services.

The contractor must ascertain for himself/herself the exact location of underground services before commencing work.

4. Soil Materials Generally.

- Purity: Soils shall be free from roots, stolons, rhizomes, propagules of perennial or invasive weeds couch grass, bindweed, docks, Japanese knotweed, giant hogweed and horsetail/marestail (Equisetum arvense).
- Foreign matter: On visual inspection, free from non-soil material, brick and other building materials and wastes, sharps, and any other foreign matter or material or substance that would render the soil or soil ameliorant unsuitable for use.
- Contamination: Do not use topsoil, subsoil, sand or compost contaminated with rubbish or other materials that are:
 - Corrosive, explosive or flammable;
 - Hazardous to human or animal life;
 - Detrimental to healthy plant growth.
- Give notice: If any evidence or symptoms of soil contamination are discovered on the site or in topsoil, subsoil, sand or compost or other planting media to be used.

5. Soil handling and depths.

Management of soils to be in accordance with the Construction Code of Practice for the Sustainable Use of Soils on Construction Sites

- Topsoil and subsoil to be handled (i.e. excavated and/or imported, stored, spread, cultivated) in accordance with method agreed in writing by Landscape Architect prior to work commencing. All topsoil and subsoil areas shall be thoroughly cultivated by hand or suitable machinery to the full depth of the topsoil layer, incorporating ameliorants as required. If compaction is suspected in sub-grade, subsoil or topsoil surfaces, these should be ripped as necessary to decompact and ensure adequate drainage.
- Hand cultivations shall be carried out to achieve the required finish on areas where machine cultivation is impossible ie adjacent to kerbs, manholes and footpath junctions, around retained trees etc. Surplus plant matter, rubbish and surface stones having any dimension greater than 25 mm shall be collected and removed from the site. Topsoil and subsoil is to be stored in heaps, maximum of 2m in height, providing soil is reasonably dry and friable during stripping and handling - using a tracked excavator. To protect from wet weather once final height is achieved, an excavator should regrade the sides and top of stockpile to firm surface by tracking across it to form a smooth gradient.
- Final topsoil depth (allowing for settlement) to be 300mm for tree pits and general planting areas. Where species-rich meadow is proposed, contractor to establish soil requirements from supplier. Finished soil levels to be 25mm above/below adjoining paving or kerbs: not less than 150mm below dpc of adjoining buildings; shrub areas to be higher than adjoining grass areas by 25 mm. Topsoil to be spread in lightly compacted layers, max. 150mm depth, gently firm each layer before spreading the next.

6. Plant handling and establishment.

Plant handling shall be in accordance with 'Handling and establishing landscape plants', published by the CPSE through the JCL (https://www.cpschub.com/wp-content/uploads/2014/12/The-National-Plant-Specification-Handling-and-Establishment.pdf). The contractor shall comply with Part 3. Recommendations for plant handling from delivery to site to ensure successful establishment.

7. General planting notes.

Details for tree, hedge and general planting to be finalised once final site conditions are known (i.e. compaction and permeability of ground). General plant stock to conform to BS 3936, advanced nursery stock to BS 8545, and planting to BS 4428. Plants shall be first class examples of their species or variety, free from all pests and diseases, with good fibrous root systems and materially undamaged. All planting operations to be in general compliance with BS4428: 'Code of Practice for general landscape operations'.

Only carry out all planting while soil and weather conditions are suitable:

- Do not plant during periods of frost or strong winds. Plant only during the following periods:
 - Deciduous and conifer trees: Late October to late March (rootball and bare root)
 - Container grown plants: At any time if ground and weather conditions are favourable. Ensure that adequate watering is provided.
- Setting out of planting beds to be approved by Landscape Architect before work commences. Ensure that plant beds are neatly defined. All tree pits, tree circles in lawn and planting beds are to be mulched with approved bark mulch to 75mm depth after planting.

8. Tree planting

Any proposed substitutions of species shown on plan to be approved by landscape architect prior to planting. Details for tree planting to comply with BS8545. As a guide all trees to be planted in square pits with base undisturbed unless drainage / compaction problems known. Plant at a depth where the root flare is clearly visible at the soil surface. Where trees have been supplied with the root flare too deep excess soil or fibrous root growth should be removed before planting. All trees to have 'Piddler' tree irrigation/aeration system installed as supplied by Platipus 01737 762300 www.platipus-anchors.com or approved equivalent. Water-in heavily after planting and mulch surface, ensuring mulch is not in contact with trunk of tree. Tree support to comply with BS 8545: Bare root trees to have a single upright stake; RB or CG trees to have double stake and bridge with adjustable tie; in windy locations or for large trees, install wired guying; tree stakes to be stained black. Trees to be underground guyed shall have suitable guying systems installed as supplied by Platipus 01737 762300 www.platipus-anchors.com or approved equivalent. Any necessary remedial tree works are to be carried out by an approved tree surgeon to BS 3998. Trees planted within grass areas to be set in mulched earth circles, 1m diameter around tree trunk, with turf trimmed neatly to form circle.

- Trees up to 20cm girth.
- Depth of tree pits to be the same as the rootball and with overall width to be 150mm wider than the diameter of the rootball (75mm min. from rootball edge to tree pit side). Pits to be backfilled with 300mm depth of specified topsoil over subsoil as per spec.

9. Native tree and shrub mix.

All plants to be planted in cultivated planting beds with species randomly mixed for natural effect, and planted in groups of 3-5 plants of any one species. Plants to be notch- or pit-planted. Plant on grid at spacing given in schedule. Provide and install each plant with an appropriate sized recyclable staked green tree or shrub shelter (available from Tubex Ltd phone 01621 874201 or similar approved). Position shelter stake on windward side of plant, drive vertically into bottom of pit before planting; to a min. depth of 300mm and consolidate backfill material around stake; attach shelter to stake with a minimum of two ties.

10. Species-rich grass.

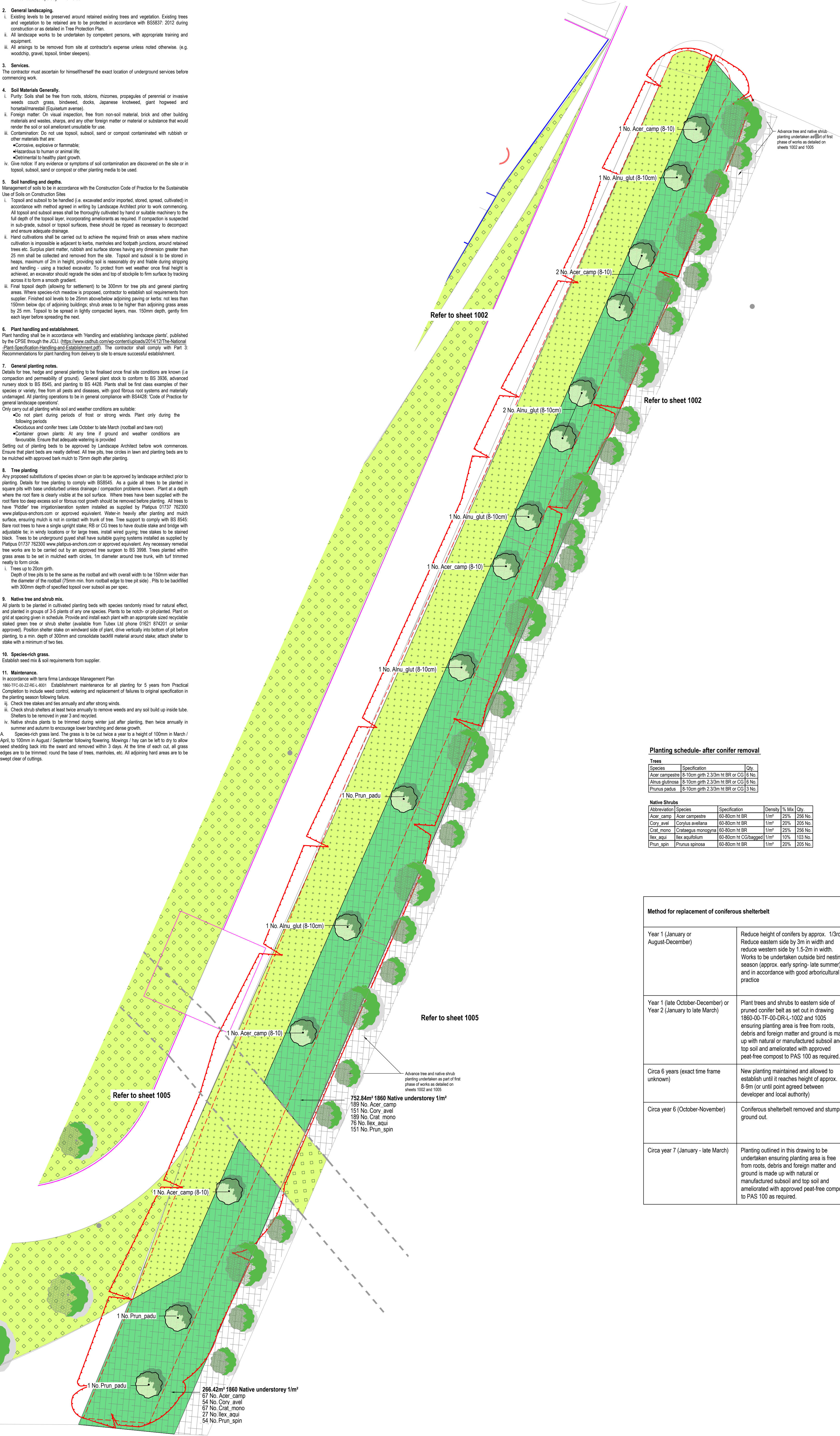
Establish seed mix & soil requirements from supplier.

11. Maintenance.

In accordance with terra firma Landscape Management Plan 1860-TF-00-XX-00-DR-L-1001 Establishment maintenance for all planting for 5 years from Practical Completion to include weed control, watering and replacement of failures to original specification in the planting season following failure.

- Check tree stakes and ties annually and after strong winds.
- Check shrub shelters at least twice annually to remove weeds and any soil build up inside tube. Shelters to be removed in year 3 and recycled.
- Native shrubs plants to be trimmed during winter just after planting, then twice annually in summer and autumn to encourage lower branching and dense growth.

A. Species-rich grass land. The grass is to be cut twice a year to a height of 100mm in March / April, to 100mm in August / September following flowering. Mowings / hay can be left to dry to allow seed shedding back into the sward and removed within 3 days. At the time of each cut, all grass edges are to be trimmed: round the base of trees, manholes, etc. All adjoining hard areas are to be swept clear of cuttings.



- All dimensions in millimetres unless otherwise indicated. All levels in metres relative to Ordnance Datum and are positive (AOD) unless otherwise indicated.
- Figure dimensions only to be taken from this drawing, do not scale except for planning purposes. Dimensions to be checked on site.
- For civil and structural matters including existing and proposed services, sub-base construction and site structures (including retaining walls over 900mm height) refer to information by others.
- The original version of this drawing was produced in colour - monochrome copies should not be relied upon to accurately reflect all drawing elements.
- This drawing has been prepared for planning purposes only and should not be used for quantification, tender or construction.

Notes:

- All materials to be as detailed or accepted equivalent.
- For landscape proposals refer to sheets 1002-1005.
- Refer also to architectural and engineering drawings as applicable.

- Line of conifer belt after pruning as detailed in sheet 1002 and 1005
- Extent of conifer belt to be pruned as detailed in sheet 1002 and 1005
- Proposed native tree
- Proposed mixed native shrub
- Existing retained advanced tree planting as detailed on sheets 1002 and 1005
- Existing retained advanced native shrub planting as detailed on sheets 1002 and 1005
- Species-rich grassland (Emorsgate EH1- Hedgerow mixture or similar approved)

Planting schedule- after conifer removal

Trees		
Species	Specification	Qty
Acer campestre	8-10cm girth 2.3/3m ht BR or CG	6 No.
Alnus glutinosa	8-10cm girth 2.3/3m ht BR or CG	6 No.
Prunus padus	8-10cm girth 2.3/3m ht BR or CG	3 No.

Native Shrubs					
Abbreviation	Species	Specification	Density	% Mix	Qty
Acer_camp	Acer campestre	60-80cm ht BR	1/m²	25%	256 No.
Cory_avel	Corylus avellana	60-80cm ht BR	1/m²	20%	205 No.
Crat_mono	Crataegus monogyna	60-80cm ht BR	1/m²	25%	256 No.
Ilex_aqui	Ilex aquifolium	60-80cm ht CG/bagged	1/m²	10%	103 No.
Prun_spin	Prunus spinosa	60-80cm ht BR	1/m²	20%	205 No.

Method for replacement of coniferous shelterbelt	
Year 1 (January or August-December)	Reduce height of conifers by approx. 1/3rd. Reduce eastern side by 3m in width and reduce western side by 1.5-2m in width. Works to be undertaken outside bird nesting season (approx. early spring- late summer) and in accordance with good arboricultural practice
Year 1 (late October-December) or Year 2 (January to late March)	Plant trees and shrubs to eastern side of pruned conifer belt as set out in drawing 1860-00-TF-00-DR-L-1002 and 1005 ensuring planting area is free from roots, debris and foreign matter and ground is made up with natural or manufactured subsoil and top soil and ameliorated with approved peat-free compost to PAS 100 as required.
Circa 6 years (exact time frame unknown)	New planting maintained and allowed to establish until it reaches height of approx. 8-9m (or until point agreed between developer and local authority)
Circa year 6 (October-November)	Coniferous shelterbelt removed and stumps ground out.
Circa year 7 (January - late March)	Planting outlined in this drawing to be undertaken ensuring planting area is free from roots, debris and foreign matter and ground is made up with natural or manufactured subsoil and top soil and ameliorated with approved peat-free compost to PAS 100 as required.

Methodology for conifer removal presented in tabular form.					
PO3	12.10.21	KB	AG	Spec notes edited.	
PO2	29.9.21	EB	RB	Amendment to text	
PO1	23.8.21	KB	AG	First issue	
rev.	date	by	chk	notes	

project	Manor Farm, Lower Road, Bedhampton		
title	Removal of conifer belt and replacement tree planting		
status	Planning	scale @ A1 1:200	
dwg no	1860-TF-XX-00-DR-L-1008		
references	1860-TF-XX-00-DR-L-1002 by terra firma		