

1. General
This plan to be read in conjunction with the following documents:
1.1 UKA Design and Access Statement documents

2. General Landscaping
Existing trees and vegetation to be retained are to be protected in accordance with BS5837 during construction. All landscape works to be undertaken by competent persons, with appropriate training and equipment. All staking to be removed from site at contractor's expense unless noted otherwise (e.g. woodchips, gravel, topsoil, timber sleepers).

3. Site Preparation
The contractor must ascertain for himself the exact location of underground services before commencing work.

4. Topsoil
Topsoil 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. Amelioration to be as determined by analysis. If poor drainage is suspected in existing soil surfaces, these should be broken up prior to planting, turfing and seeding to a depth of 300mm to remove likelihood of compaction and damage to new planting and turf.
Where topsoil is to be imported, soil medium parameters to be within the following:

Soil texture: sand 20-75%
silt 5-30%
clay 5-30%
Maximum stone size in any direction: 50mm
pH: 5.5 - 7.8
Electrical conductivity: 100-400 µS/cm
Organic matter: > 4%
Nitrogen: > 0.2%
Phosphorus: > 25 mg/l
Potassium: > 140 mg/l
Magnesium: > 50 mg/l

Imported topsoil to be a good quality loam to BS 3882. Soil to be in accordance with the 'Topsoil and Subsoil Specification' document. All topsoil areas shall be thoroughly cultivated by hand or suitable machinery to the full depth of the topsoil layer, incorporating ameliorants as specified and/or as indicated by analysis and/or as directed by the Landscape Architect. Hand cultivation shall be carried out to achieve the required finish on areas where machine cultivation is impossible or adjacent to kerbs, manholes and footpath junctions etc. Surplus plant matter, rubbish and surface stones having any dimension greater than 25 mm shall be collected and removed from the site. Existing topsoil to be stripped and re-used if suitable as per specification. Topsoil to be stored in heaps, maximum of 2m in height, providing soil is reasonably dry and stable during stripping and loading, using a tracked excavator. To protect from wet weather once final height is achieved, an excavator should grade the sides and top of stockpiles by banking across it to form a smooth gradient.

5. Fertilizer/Compost
Approved (peat free) composts to PAS100 and fertilizers to be added during cultivation as required to full depth of growing medium.

6. Plant Handling
Plant handling at the nursery, and during transit up to delivery, shall be in accordance with 'Plant Handling', the booklet published by the Committee for Plant Supply and Establishment (CPSE). The contractor shall comply with clauses 3 & 4 of the above booklet (obtained from the Horticulture Trades Association, 19 High Street, Treas, Reading, Berks RG7 5H) which refers to the recent, unloading and temporary storage of plants. General plant stock to conform to BS 3036, advanced nursery stock to BS 3236, and planting to BS 4233. 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 (refer to relevant sections of BS3036 Parts 1-4 'Specification of Nursery Stock'). All planting operations to be in general compliance with BS4248: 1989 Code of Practice for general landscape operations (refer to relevant sections of BS4248: 1989 Code of Practice for general landscape operations).

7. Trees
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
• Container grown plants: All year if ground and weather conditions are favourable. Ensure that adequate watering and weed control is provided.
• Bulbs: September/October
• Spelling out of planting beds to be approved by Landscape Architect before work commences. Ensure that plant beds are neatly defined, and rise from adjacent paved areas. All ornamental planting areas to be mulched with 75mm (settled depth) bark mulch. Sample of mulch to be approved by Landscape Architect. Topsoil depth to be 450mm for planting and 150mm for grass.

8. Trees
Trees shown on plan to be planted with species as labelled or similar approved. All trees to be planted in pits. 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. Water in heavily after planting and surface mulched 75mm depth. All trees to be provided with a 0.1m x 1.0m windbreak enclosure and light standards or 4 stakes for wider specimens. Enclosed and protected with wood braces wrapping around staking and sheltering to trunk. Sample of staking for each species to be approved. Tree stakes to be stained black. Any necessary tree works are to be carried out by an approved tree surgeon to BS 3998. Trees planted in grass lawn to be in bare earth circles, 1m diameter around tree trunk, with turf trimmed neatly to form circle, and earth mulched with approved bark mulch to 75mm depth after planting.

9. Hedges
Plants to be feathered to ground. Plant in single row 400mm apart. Planting trench to be minimum 300 with 300mm depth as so to accommodate full root spread.

10. Shrub & Ground Cover Planting
All plants to be planted in cultivated planting beds at densities shown in plant schedule. In pits of min. size 0.3m x 0.3m x 0.3m deep so as to accommodate full root spread, backfilled with 80% clean topsoil and 20% approved green compost to PAS100 and 20 gms granular fertilizer. All shrub beds to be in min. 300mm good quality, well prepared topsoil (see spec note 4 if approved) and to be mulched with 75mm depth approved bark mulch after planting.

11. Bulb planting
All bulbs to be planted at the rate given in the schedule. In random mixed drifts of single species in areas indicated on the plan, minimum 15 bulbs per drift of single species. For planting, naturalize bulb positions by dropping bulbs from waist height. Neatly remove a plug of turf and replace after planting. Plant so that the top of the bulb is at a depth of approximately twice its height with base in contact with bottom of hole. Bulbs shall be as close together as possible to approximately twice the width of a single bulb.

12. Grass seeding
Prepare and sow in accordance with seed supplier's recommendations. The soil shall be level, minimum 150mm depth, and weed free prior to seeding. Contact herbicide as specified shall be applied to all areas of seed growth 4-6 weeks before grassing and repeated if necessary to maintain a weed free bed. Where deep rooted weeds are present (docks, thistles etc.) approved Glyphosate based herbicide should be applied as a spot treatment. Seeding shall be carried out in accordance with suppliers recommendations. Seed only during appropriate seasons (generally March/April and August/September) and while soil and weather conditions are suitable for the relevant operations. Only machinery and tools suitable for the site conditions and the work to be carried out shall be used. Hand tools shall be used around trees, plants and confined spaces where it is impractical to use machinery.

13. Maintenance
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. All plant material to receive annual pruning and hedges and groundcover to be trained and edged with minimum 2 times per year. Mowing of amenity grasses to be carried out using approved machinery to maintain the vegetation length within the limits of 30 mm and 50 mm during April to August inclusive and between 50 mm and 70 mm during the rest of the year. Meadow grass areas where left un-mown to receive a mow summer hay cut in combination with autumn and spring mow. Leave grass to flower from spring through to late July/Aug to give sown species the opportunity to flower. After flowering carry out a 'hay' cut with a strimmer to 50mm. Leave 'hay' to dry and seed for 1-2 days then remove from site. New growth through to late autumn to 50mm and again in spring as needed.

Trees

Species	Specification
Abutilon unedo	0.5m height & spread RB/CG
Crataegus monogyna	6-8cm girth 2.5m+ height staked and tied Light Standard
Crataegus laevigata	6-8cm girth 2.5m+ height staked and tied Light Standard
Cupressus macrocarpa	0.5m height RB/CG
Ficus maxima	0.5m height RB/CG
Quercus robur	6-8cm girth 2.5m+ height staked and tied Light Standard

Fruit Trees

Species	Specification
Malus species (Apple)	1.5m+ height 1 standard
Prunus species (Cherry)	1.5m+ height 1 standard
Prunus species (Pear)	1.5m+ height 1 standard

Shrubs & Groundcover Planting

Species	Specification
All 2L CG @ 3-6 per m2 depending on species	All 2L CG @ 3-6 per m2 depending on species

Perennials

Species	Specification
Berberis thunbergii atropurpurea	Agapanthus 'Blue Giant'
Ceanothus thyrsifolius 'Repsens'	Asterina maxima
Chrysanthemum 'Lucifer'	Crocus 'Lucifer'
Cytisus scoparius	Camelia sp.
Elaeagnus ebbingtonii	Digitalis sp.
Euonymus fortunei 'Silver Queen'	Echium sp.
Fuchsia magellanica	
Gentiana lutea	
Hebe species	
Hedera helix 'Green Ripple'	
Hippocrepis emerus	
Hydrangea species	
Hypnum 'Hidcot'	
Lavandula angustifolia 'Hidcot'	
Lonicera pileata	
Potentilla species	
Rosmarinus officinalis	
Rosa rugosa var.	
Sedum spectabile 'Autumn Joy'	
Semecao 'Sunsprite'	
Spiraea japonica 'Anthony Waterer'	
Symphoricarpos 'Mother of Pearl'	
Vincetoxicum	

Grass Seed Mixes

Species	Specification
Wildflower grass seed mix to be - Emorgate EM2 - Standard General Purpose Meadow Mixture (as supplied by Emorgate Seeds, (tel 01553 829028), or approved alternative). Sowing rate 4g/m².	
Amenity grass seed mix to be - Pro 25 Oro-alow' seed mix for 'open sowing' (as supplied by DLF Trelisium, (tel 01286 791102), or approved alternative). Sowing rate 35g/m².	

Hedges

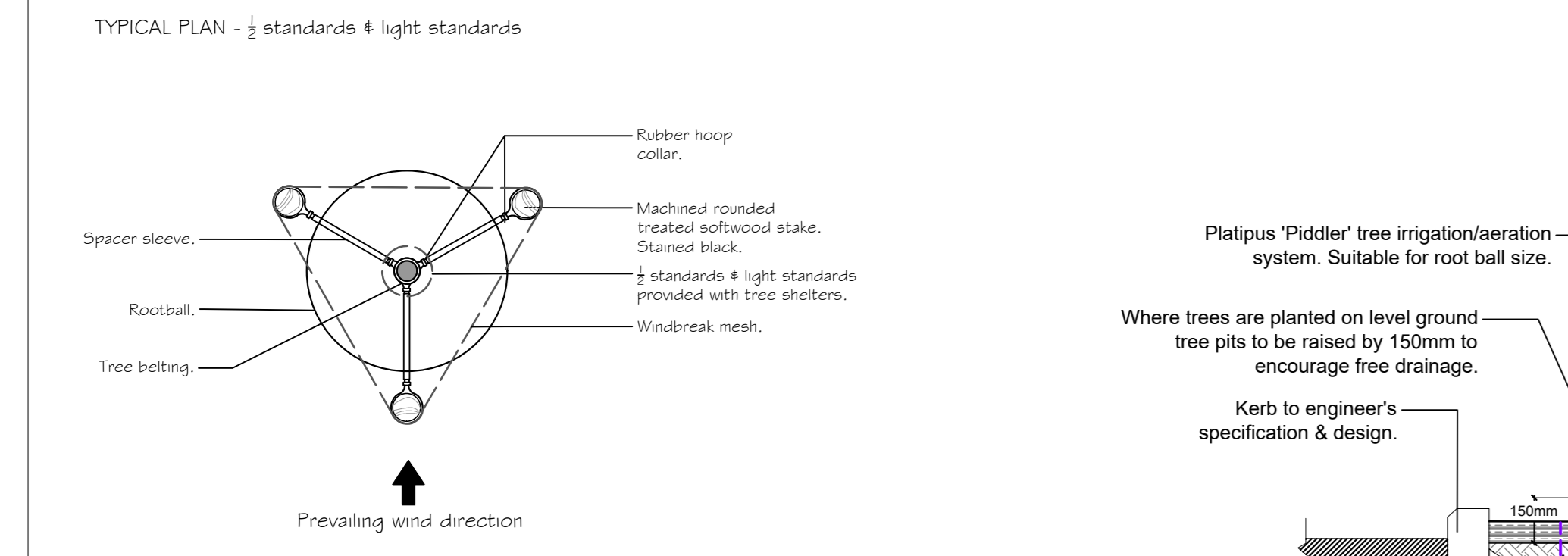
Species	Specification
All 5L CG 60-80cm height feathered hedging plants @ nom. 400m centres single rows in front of fence	

Cornish Hedge & Indigenous Planting Mix
Cornish hedge to be 1.2-1.5m high earth packed dry stone wall in accordance with 'The Code of Good Practice for Cornish Hedges'. Locally sourced plants of Cornish provenance planted @ 400mm centres, single row to the top of the wall. 40-60cm high BR high whips protected by rabbit guards. Grown to 1m height above wall and allow occasional standards to form trees especially at junctions/corner/adjacent poles and other items to screen or frame.

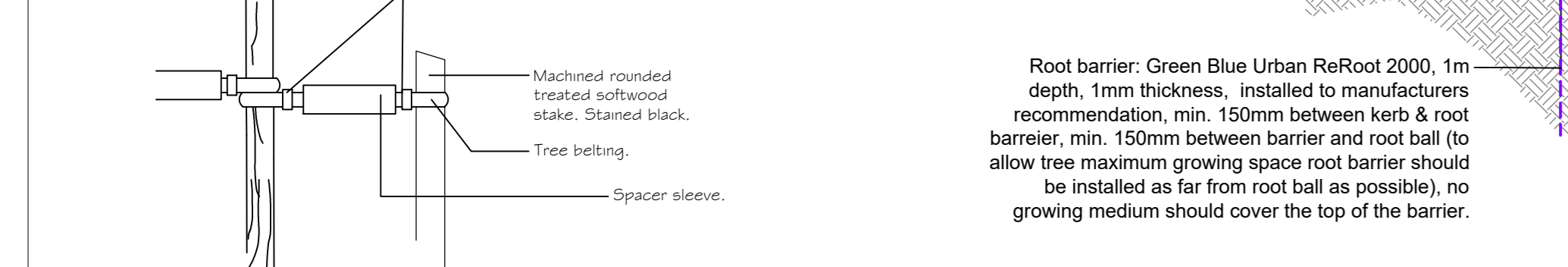
Indigenous planting mix to north corner buffer to be planted 4 per m2 and then mulched 75mm thick where ground is flat.

Species	Specification
Crataegus monogyna	BR 40-60cm height
Dryopteris filix mas	2L CG
Hedera helix	2L CG
Prunus spinosa	BR 40-60cm height
Sambucus nigra	2L CG

1. POSTS & STRAPPING TYPICAL SECTION & PLAN



2. ROOT BARRIER ADJACENT TO HIGHWAYS TYPICAL SECTION



NOTES
1. Provide a square staked enclosure using 4, no stakes where width of tree specimens is unsuitable for triple staking.

SEE TERRA FIRMA DRAWING 1510-1001 FOR FIELD 1



KEY

Proposed planting

- Specimen trees (Trees planted within grass areas to be set in 1m dia. marked earth circles)
- Indigenous planting mix
- Proposed hedge
- Ornamental shrubs and groundcover planting
- Meadow grass areas
- Amenity Lawn
- Defensive planting

Proposed pedestrian paving

- Concrete paving - laid stretcher bond, buff finish, Marshalls conservation paving or equivalent
- Bitmac - black finish
- Hoggin footpath

Proposed vehicular paving

Note: Concrete kerbs 4 designs in silver grey, reconstructed stone finish, Marshalls conservation kerbs or equivalent.

- Bitmac - black finish with exposed grey aggregate
- Block paving - permeable, laid herringbone pattern, silver grey finish, Marshalls Tegula block or equivalent
- Block paving to car parking courts - permeable, laid 90° pattern, Buff finish, Marshalls Tegula 100x200x60mm
- Block paving to car parking bays - permeable, laid 90° buff finish, Marshalls Tegula 100x200x60mm. Stone demarcated with Marshalls Tegula 100x200x60mm Charcoal
- Kerbs - laid stretcher bond, reconstructed granite setts, Marshalls conservation setts or equivalent
- Vehicular cross over - dropped kerb
- Reinforced grass

Fences & Walls

- Fence - 1.5m timber close board with 300mm trellis (with access gates where paths are shown) with concrete post
- Fence near garden - first 1.8m length from rear of house, fence to be timber close board 1.2m high, then 1.5m high OS fence with 300mm trellis with concrete post
- Fence - timber post fence 1.2m high
- Fence - Kose rail
- Play area fence - 1m high fence & gates
- Cornish hedge 1m high - planted earthstone wall in traditional style
- Cornish hedge 1.5m high - planted earthstone wall in traditional style
- Existing Cornish hedge

Signage

- Fingerpost

Street Furniture/Storage/Misc

- Seating
- Bollard
- Shed
- Bins - 140 x 240 lit
- Compost
- Water butt (with gravel base)
- Root barrier - Green Blue Urban ReRoot 2000 (refer to detail on drawing 1510-1002)

drawing notes

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Do not scale from this drawing
Figure dimensions only to be taken from this drawing
All dimensions to be checked on site

purpose of issue

PLANNING - NON MATERIAL AMENDMENT

project

ST BURRYAN

drawing title

LANDSCAPE PROPOSALS - FIELD 2
(derived on site plan 1501/02 Site Layout CA by Probodisign)

drawing no.

1510-1002

scale

1:200 @ A0 date **11.07.13** drawn by **PS** checked by **LF**

revision

no	date	by	notes
01	26.01.11	PS	Revised ground replaced with permeable block paving
02	07.02.11	PS	Update proposed construction
03	23.02.11	PS	New planting specification, new parking marking, paving, drainage, drainage
04	07.04.11	PS	New site plan & highways layout
05	22.07.11	PS	New landscape plan - Field 2
06	17.08.11	PS	Minor amendment to layout adjacent to plots 14 & 15. Revised ground area amended
07	02.08.11	PS	New site plan, planting amended
08	26.02.11	PS	New site plan, planting amended
09	01.11.11	PS	New site plan, planting amended

terrafirma
LANDSCAPE ARCHITECTS

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1510-1002