

Planting specification
Topsoil
Prior to supply and spreading of topsoil from on site topsoil store, all subsoil areas are to be ripped (subject to site specific geology) to alleviate compaction and improve aeration in accordance with BS 3882:2015 British standard for Topsoil, Annex A Recommendations for stripping, handling and preparing topsoil.
Within areas not suitable for ripping, existing subsoil to be broken up to 300mm depth in planting areas, prior to supply and spreading of topsoil.
Topsoil depths:
Grass turf/seed - 150mm
Hedge lines - 450mm
Woodland mix/shrub mix/shrub planting - 450mm
Wildflower turf/seed - 100mm

OR

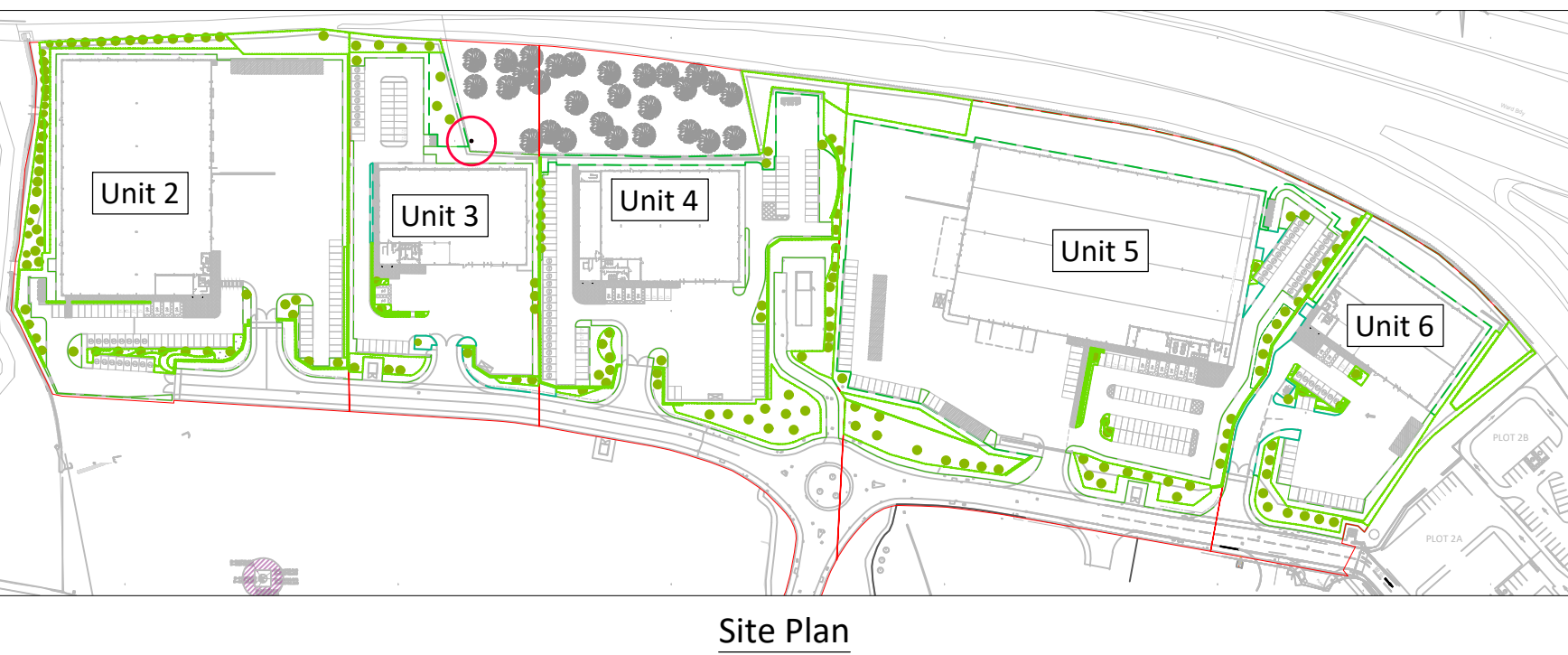
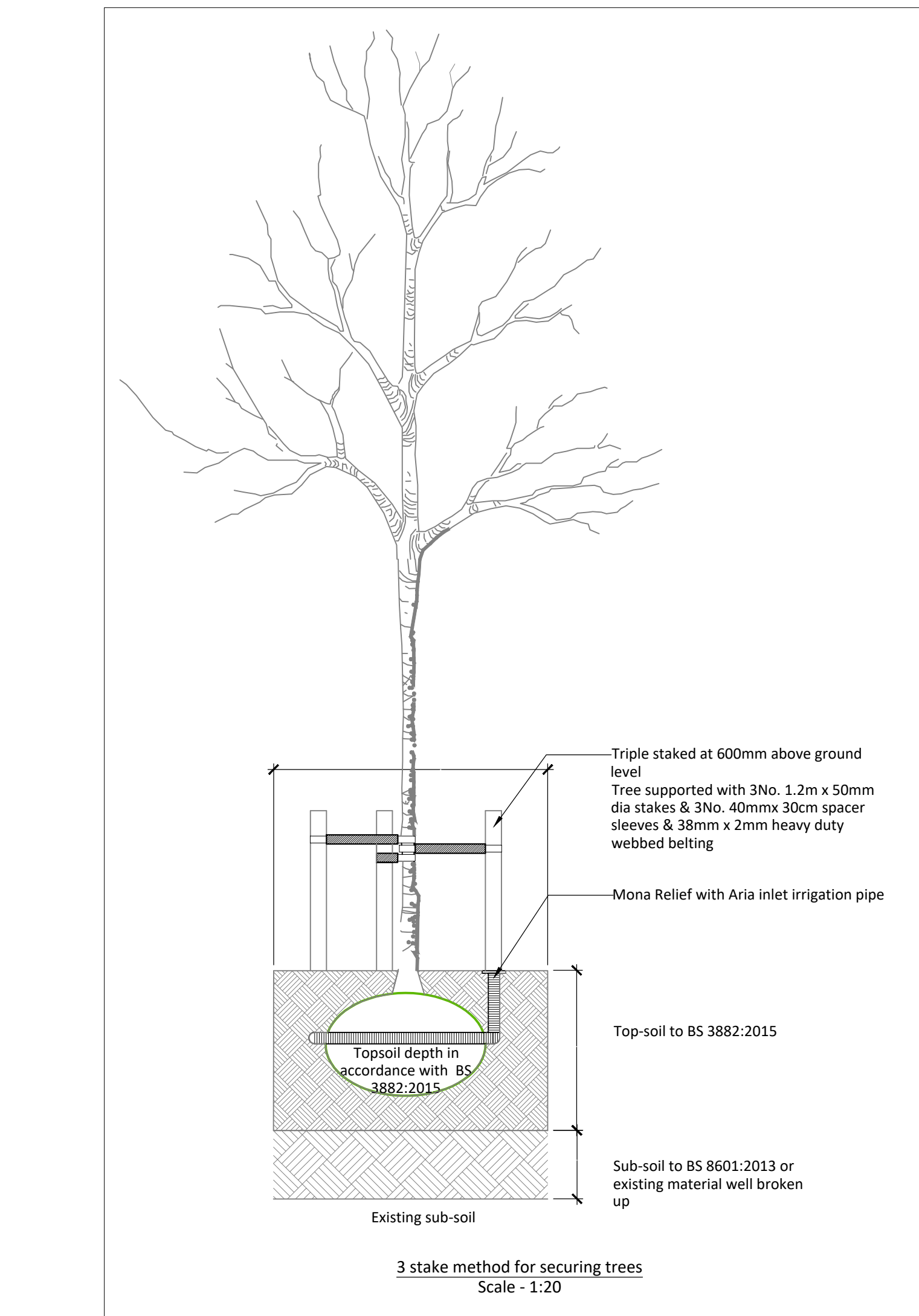
Topsoil
Imported topsoil is to comply with the British Standard BS 3882:2015 definition for Multipurpose grade topsoil, and is to be accompanied with a test certificate and horticultural analysis summary for approval by the landscape architect prior to delivery to site. Soil depths specified below. Provide a minimum of one week's notice.

- ALL PLANTS - GENERAL
- Condition: Materially undamaged, sturdy, healthy and vigorous
 - Appearance: Of good shape and without elongated shoots
 - Hardiness: Grown in a suitable environment and hardened off
 - Health: Free from pests, diseases, discoloration, weeds and physiological disorders
 - Budded or grafted plants: Bottom worked
 - Root system and condition: To requirements of National Plant Specification and balanced with branch system.
 - All stock to be supplied bare root if in season. All stock to be supplied in container grown if planted out of season

Trees
Trees shall be set in pits 900mm Ø x 900mm depth. The base of the tree pit is to be broken up to a depth of 200mm and backfilled with topsoil consolidated in layers to allow the tree to be placed to the correct depth. The pit shall then be backfilled with a mixture of approved topsoil and tree and shrub planting compost at the rate of one part compost to two parts topsoil and 70 -140g/m² Osmocote, Sierrablen Flora 15-9-9 + 3% MgO granular controlled release, or similar approved.
Small trees/ Specimen shrubs to be set in 750 x 750mm pits and backfilled with topsoil, compost and fertilizer mix at the rate described for trees above.
Each tree shall be planted to the nursery line and secured by three tree stakes (softwood) 2.7m in length, 75mm diameter secured with 38mm rubber belting/strapping with rubber spacers, pads and cushions. One strap per stake looped around the trunk. Tree stakes shall be driven vertically into firmed ground to a depth of 700mm below the base of the tree pit. After planting all trees shall be thoroughly watered in to field capacity and a 50mm depth layer of Melcourt Ornamental Bark Mulch 5-35mm with minimal dust and fines and less than 5% wood content or similar approved spread over the tree pit. Allow one clear spiral guard and one 2.5m x 35mm Mona relief watering pipe with Aria inlet per tree. Supplier Greentech Tel: 01423 332100 or similar approved.
After planting, thoroughly water to field capacity immediately without damaging or displacing plants or soil.
Trees planted in grass are to have a 1m diameter turf cut around the base of the tree and circle filled with bark mulch to 50mm depth.

Hedges
Hedge trenches shall be dug 450mm wide x 450mm deep, the base of which shall be broken up prior to returning the backfill mixture. This shall comprise two parts topsoil to one part tree and shrub planting compost. Stock shall be planted at the distances given in the schedules. All stock shall be planted to the root collar and well firmed in place.
All stock to be supplied bare root if in season. All stock to be supplied container grown if planted out of season.
All stock shall be thoroughly watered in to field capacity.
After planting, a 50mm layer of 5-35mm Melcourt contract bark mulch shall be spread over the trench to a width of 1m.
Each hedge plant to be protected with 600mm perforated 'Tuley' tube.

Shrub & ornamental planting
Plants shall be set out to the positions shown on the drawing and to the densities given. All stock shall comply with the specification provided on the drawing.
Plants unobtainable or known to be likely to be unobtainable at time of ordering: Submit alternatives which offer the closest possible match to the original specified, stating: Price; difference from specified plants/ trees. Obtain approval before making any substitution.
All shrub beds shall be topped up with good quality topsoil to ensure 450mm planting depth the base ground being thoroughly broken up before placement. Tree and shrub planting compost shall be spread to a minimum depth of 50mm and in addition evenly spread, 70 -140g/m² Osmocote, Sierrablen Flora 15-9-9 + 3% MgO granular controlled release, or similar approved, thoroughly working in during cultivation.
Shrub planting pits shall be 150 mm wider than roots when fully spread. Backfill with excavated material.
After planting, thoroughly water to field capacity immediately without damaging or displacing plants or soil.
Lightly firm soil around plants and rake soil to a fine tilth with gentle cambers and no hollows. Avoid damaging plants. A 50mm depth layer of Melcourt ornamental Bark Mulch 5-35mm with minimal dust and fines and less than 5% wood content or similar approved spread is to be spread over entire bed. The mulch shall be free of pests, disease, fungus and weeds.
After initial planting, supply and spray Grazers G1 to ornamental planting then every 6 weeks for the duration of the 12-month maintenance contract.



Grass - turf
Rolawn Medallion® turf to BS3936 (Or equal and approved turf)
Supplier: Rolawn Ltd www.rolawn.co.uk
All areas to be turfed shall be topsoiled to a minimum depth of 150mm over ground free of compaction by cultivation. The soil shall be fine graded to even running falls and cross raked to form a fine tilth. Before turfing an approved pre-turfing fertilizer shall be applied in accordance with the manufacturer's instructions. All edges to shrub beds will be cleanly cut with an edging iron, arisings removed from site.
Grass - seed
A4 - Low Maintenance Areas or equal and approved seed mixture
Supplier: Germinal www.germinal.com
Sowing rate: 35g per m²
All areas to be seeded shall be topsoiled to a minimum depth of 150mm over ground free of compaction by cultivation. The soil shall be fine graded to even running falls and cross raked to form a fine tilth.
Broadcast at rate to 35g/m². Rake/harrow seed mix into the soil to a maximum depth of 10mm.

Wildflower seed
RE2 - Lowland Meadow (MGB Grassland), or equal and approved seed mixture.
Supplier: Germinal www.germinal.com
Sowing rate: 5g per m²
See website for typical mixture.
Wild flower areas shall be soiled with 100mm of nutrient poor top soil over ground free of compaction by cultivation. Prior to seeding areas shall be sprayed with an approved contact herbicide using suitably qualified operatives, to clean the seed bed of unwanted plant species. Timing of subsequent seeding should ensure an appropriate fallow period in accordance with the particular plant protection product manufacturer's instructions. The soil shall be raked and cross raked to form a fine tilth. Seed shall be sown at the rates given in the schedules. The soil shall be raked and cross raked to form a fine tilth. Seed shall be sown in two directions at 5 g/m² and lightly raked in.

Wildflower - turf
WTF Native-Enriched or equal and approved.
Supplier: Wildflower Turf
Website www.wildflowerturf.co.uk
See website for typical mixture
Wild flower areas shall be topsoiled with 100mm of low-grade topsoil placed over well cultivated and graded ground. Prior to turf laying, areas shall be sprayed with an approved contact herbicide using suitably qualified operatives, to clean the seed bed of unwanted plant species. Timing of subsequent turfing should ensure an appropriate fallow period in accordance with the particular plant protection product manufacturer's instructions. The soil shall be raked and cross raked to form a fine tilth prior to turf laying.
Woodland Tree Mix
Woodland tree mix plants shall be soiled with good quality topsoil to a depth 300mm. Evenly spread 70 -140g/m² Osmocote, Sierrablen Flora 15-9-9 + 3% MgO granular controlled release, or similar approved, thoroughly working in during cultivation. Each woodland tree mix plant shall be planted in a 600mm perforated tube with one stake per plant.
Spaced at 2m centres.
All stock to be supplied bare root if in season. All stock to be supplied in containers if planted out of season.
Ring mulched to 600m Ø 50mm depth with 5-35mm Melcourt fine bark mulch. Sow wildflower seed to areas between trees.

Woodland Shrub Mix
Woodland shrub beds shall be soiled with good quality topsoil to a depth 300mm. Evenly spread 70 -140g/m² Osmocote, Sierrablen Flora 15-9-9 + 3% MgO granular controlled release, or similar approved, thoroughly working in during cultivation. A 75mm layer of contract grade mulch 1-65mm particle with less than 25% wood content shall be spread over all woodland shrub areas. Each woodland mix plant shall be planted in a 600mm perforated tube with one stake per plant.
Spaced at 2m centres.
All stock to be supplied bare root if in season. All stock to be supplied in containers if planted out of season.

Maintenance
Carry out the operations in the following clauses for a period of 12 months from the date of practical completion.
Plants/ trees/ shrubs that have failed to thrive (unless due to theft or malicious damage) within the 12-month period from the date of practical completion will be replaced with equivalent plants/ trees/ shrubs to match the original.
Remove soil and arisings from hard surfaces and grassed areas. Generally leave the works in a clean tidy condition at Completion and after any maintenance operations.
Maintain weed free area around each tree and shrub. Keep planting beds clear of weeds. Take care not to reduce depth or effect of mulch.
Gently firm loosened soil around trees/ shrubs. Straighten leaning trees/ shrubs. Tighten and straighten stakes if required.
Prune to promote healthy growth and natural shape removing: Dead, dying, diseased wood and suckers. Remove arisings. Trim and shape each specimen appropriately to species, location, season, and stage of growth, leaving a well-balanced natural appearance. Cut back herbaceous material in autumn.
All shrub beds shall be thoroughly watered as necessary for the continued thriving of all planting. In times of water shortage obtain instructions before proceeding.
Re-mulch at the end of the 12-month maintenance period to a depth of 50mm ensuring that the soil is thoroughly moistened prior to re-mulching.
All planting shall be maintained in good order throughout the initial establishment period.
Visits: Twice a month between May and September and a total of three visits between October and April.
Spot treat persistent weeds with glyphosate-based translocated herbicide in accordance with manufacturer's instructions and in compliance with all necessary legislation and regulations using appropriately qualified staff.
All arisings are to be removed from site.
Grass areas
Grass areas are to be cut 18 times per year and the cuttings collected up and removed from site.
Wildflower areas
Cut wildflower areas once annually in August. All arisings to be removed from site.
Woodland mix/shrub mix planting
Areas shall be maintained weed and litter free at all times and shelters regularly checked for firmness. Any stakes that fail shall be replaced. All stock shall be watered in during periods of drought. At the end of the growing season each plant shall receive an application of slow release fertilizer. Any plants that die or fail to thrive shall be replaced with stock to the original specification. The wildflower grassland within the woodland mix area is to be cut once a year at an appropriate time, taking care not to damage any of the woodland/ shrub mix plants. At the end of the defects period all trees and shrubs shall be inspected and any found to be dead or failing shall be replaced with stock to the original specification. Mulch shall be topped up to 50mm depth.

Planting Schedule LL02 - Unit 3				
Trees				
Number	Species	Girth	Height	Specification
1 -	Betula pendula 'Trists'	14-16cm		Extra Heavy Standard
7 -	Fagus sylvatica	14-16cm		Extra Heavy Standard
1 -	Fagus sylvatica 'Dawyck'		3.0m	Feathered
4 -	Sorbus aucuparia 'Eduilis'	14-16cm		Extra Heavy Standard
2 -	Sorbus aucuparia 'Golden Wonder'	14-16cm		Extra Heavy Standard
5 -	Tilia cordata 'Green Spire'	14-16cm		Extra Heavy Standard
Total :20 -				

Hedges			
Number	Species	Height	Density
202 -	Griselinia littoralis	Selected to 900mm	5/m
Total :202 -			

Shrubs			
Number	Species	Pot Size	Density
22 -	Perovskia 'Blue Spire'	2L	5/m ²
Total :22 -			

Herbaceous				
Number	Species	Pot Size	Specification	Density
21 -	Aster frikartii 'Monch'	1L		8/m ²
32 -	Carex buchananii	2L		6/m ²
29 -	Nepeta 'Six Hills Giant'	2L		5/m ²
41 -	Nepeta mussinii	1L		6/m ²
170 -	Persicaria affinis 'Darjeeling Red'	1L		8/m ²
74 -	Rudbeckia 'Goldsturm'	1L		8/m ²
Total :367 -				

Woodland Shrub Mix				
Number	Species	Specification	Density	Percentage Contribution
69 -	Corylus avellana	1.5Ctr		40%
18 -	Crataegus monogyna	1.5Ctr		10%
18 -	Ilex aquifolium	1.5Ctr		10%
10 -	Malus sylvestris	1.5Ctr		5%
18 -	Prunus spinosa	Locate to edges	1.5Ctr	10%
10 -	Rosa canina	Locate to edges	1.5Ctr	5%
10 -	Sorbus aucuparia	1.5Ctr		5%
26 -	Viburnum opulus	Locate to edges	1.5Ctr	15%
Total :179 -				

Native Hedge				
Number	Species	Height	Specification	Density
98 -	Crataegus monogyna	600-900mm	All in 600mm perforated 'Tuley' tubes	5/m
25 -	Ilex aquifolium	300-450mm	All in 600mm perforated 'Tuley' tubes. Plant at 1m centres along hedge	5/m
Total :123 -				

Woodland areas mulched with 450mm radius circle and under sown with wildflower seed.
Woodland shrub areas to be mulched overall.
All in 600mm perforated 'Tuley' tubes.

See drawing SF 3422 LL01 for information on bird & bat boxes.

