

Planting Schedule					
Trees					
Number	Abbreviation	Species	Specification	Girth	Height
2 -	Ac	Acer campestre	Heavy Standard :Clear Stem min. 200 :RB	12-14cm	3.5-4.0m
4 -	AcStr	Acer campestre 'Streetwise'	Advanced Nursery Stock :Clear Stem min. 200 :RB	16-18cm	4.0-4.5m
2 -	AgI	Alnus glutinosa	Heavy Standard :Clear Stem min. 200 :RB	12-14cm	3.5-4.0m
4 -	BEPE	Betula pendula	Heavy Standard :Clear Stem min. 200 :RB	12-14cm	3.5-4.0m
8 -	C be	Carpinus betulus	Advanced Nursery Stock :Clear Stem min. 200 :RB	16-18cm	4.0-4.5m
1 -	CARBETLU	Carpinus betulus 'Lucas'	Advanced Nursery Stock :Clear Stem min. 200 :RB	16-18cm	4.0-4.5m
4 -	MAGLOME	Magnolia loebneri 'Merrill'	Heavy Standard :Clear Stem min. 200 :RB	12-14cm	3.5-4.0m
1 -	MAGST	Magnolia stellata	3 Stems :3/5 brks		150-175cm
5 -	MAHP	Malus hupehensis	Heavy Standard :Clear Stem min. 200 :RB	12-14cm	3.5-4.0m
1 -	PaP	Prunus avium 'Piena'	Advanced Nursery Stock :Clear Stem min. 200 :RB	16-18cm	4.0-4.5m
2 -	PRUCENI	Prunus cerasifera 'Nigra'	Advanced Nursery Stock :Clear Stem min. 200 :RB	16-18cm	4.0-4.5m
Total :34 -					

Shrubs					
Number	Abbreviation	Species	Specification	Height	Pot Size
45 -	CORSA	Cornus sanguinea	Branched :7/8 brks	60-80cm	10L
62 -	CORSAMF	Cornus sanguinea 'Midwinter Fire'	Branched :7/8 brks	60-80cm	10L
60 -	EfEnG	Euonymus fortunei 'Emerald 'n' Gold'	Bushy :3/4 brks	30-40cm	10L
13 -	EfSQ	Euonymus fortunei 'Silver Queen'	Bushy :3/4 brks	30-40cm	10L
18 -	HEBALRE	Hebe abrotanifera 'Red Edge'	Bushy :3/4 brks	20-30cm	10L
3 -	ILECR	Ilex crenata	Bushy: Clipped Holly box ball :3/6 brks	40-60cm	10L
51 -	LaH	Lavandula angustifolia 'Hidcote'	Bushy :3/4 brks	30-40cm	10L
9 -	SiRu	Skimmia japonica 'Rubella'	Bushy :5/6 brks	30-40cm	10L
117 -	V d	Viburnum davidii	Bushy :3/4 brks	30-40cm	10L
Total :117 -					

Climbers				
Number	Abbreviation	Species	Specification	Height
6 -	CLEMOR	Clematis montana rubens	Several Shoots :3/5 brks: Fixed onto fan trellis	100-150cm
Total :6 -				

Elaeagnus Hedge				
Number	Abbreviation	Species	Specification	Height
176 -	EeGE	Elaeagnus ebbingei 'Gilt Edge'	Bushy :3/4 brks	60-80cm
Total :176 -				

Euonymus Hedge				
Number	Abbreviation	Species	Specification	Height
40 -	EUQJAMI	Euonymus japonicus 'Microphyllus'	Bushy :4/6 brks :Clipped level at 0.3m high	30-40cm
Total :40 -				

Hornbeam Hedge				
Number	Abbreviation	Species	Specification	Height
133 -	CARBET	Carpinus betulus	Bushy :3/4 brks :Clipped level at 0.5m high: BR: Double staggered row	60-80cm
Total :133 -				

Osmanthus burkwoodii Hedge				
Number	Abbreviation	Species	Specification	Height
123 -	Ob	Osmanthus burkwoodii	Bushy :4/6 brks :Clipped level at 0.5m high	40-60cm
Total :123 -				

Prunus lusitanica hedge				
Number	Abbreviation	Species	Specification	Height
278 -	PRULUM	Prunus lusitanica 'Myrtifolia'	Bushy :4/6 brks :Clipped level at 0.5m high	60-80cm
Total :278 -				

Photinia Hedge				
Number	Abbreviation	Species	Specification	Height
68 -	PRRR	Photinia fraseri 'Red Robin'	Bushy :4/6 brks :Clipped level at 0.5m high	60-80cm
Total :68 -				

Sweet Box Hedge				
Number	Abbreviation	Species	Specification	Height
92 -	SARCO	Sarcococca confusa	Bushy :3/6 brks	40-60cm
Total :92 -				

Medium Mix 1					
Number	Abbreviation	Species	Specification	Height	Pot Size
17 -	BRASU	Brachyglottis 'Sunshine'	Bushy :2/4 brks	30-40cm	5L
25 -	EfSQ	Euonymus fortunei 'Silver Queen'	Bushy :4/6 brks	30-40cm	10L
17 -	HEBNB	Hebe 'Nicola's Blush'	Bushy :4/5 brks	30-40cm	5L
25 -	LaH	Lavandula angustifolia 'Hidcote'	Bushy :3/4 brks	30-40cm	10L
Total :84 -					

Medium Mix 2					
Number	Abbreviation	Species	Specification	Height	Pot Size
90 -	EfEnG	Euonymus fortunei 'Emerald 'n' Gold'	Bushy :3/4 brks	30-40cm	10L
72 -	HEBRA	Hebe rakalensis	Bushy :3/4 brks	30-40cm	5-7.5L
90 -	PITTEVA	Philosporum tenuifolium 'Variegatum'	Bushy :3/4 brks	40-60cm	10L
90 -	ROSOFLLA	Rosmarinus officinalis 'Lady in White'	Bushy :4/5 brks	30-40cm	10L
110 -	SKUJABK	Skimmia japonica 'Bronze Knight'	Bushy :3/4 brks	30-40cm	10L
Total :452 -					

Large Mix 1					
Number	Abbreviation	Species	Specification	Height	Pot Size
19 -	EeGE	Elaeagnus ebbingei 'Gilt Edge'	Bushy :6/7 brks	60-80cm	10L
19 -	ILEAQSQ	Ilex aquifolium 'Silver Queen'	Bushy :6/7 brks	40-60cm	10L
19 -	PHOFRB	Photinia fraseri 'Birmingham'	Bushy :6/7 brks	40-60cm	10L
19 -	VIBPRIA	Viburnum tinus 'Eve Price'	Bushy :6/7 brks	60-80cm	10L
Total :76 -					

Native Hedge Mix					
Number	Abbreviation	Species	Specification	Height	Density
176 -	Ac	Acer campestre	BR :Double staggered row	60-80cm	5/m
176 -	Cav	Corylus avellana	BR :Double staggered row	60-80cm	5/m
875 -	Cmo	Crataegus monogyna	BR :Double staggered row	60-80cm	5/m
89 -	LIGVU	Ligustrum vulgare	BR :Double staggered row	60-80cm	5/m
176 -	PRUSP	Prunus spinosa	BR :Double staggered row	60-80cm	5/m
176 -	VIBLA	Viburnum lantana	BR :Double staggered row	60-80cm	5/m
89 -	VIBOP	Viburnum opulus	BR :Double staggered row	60-80cm	5/m
Total :1757 -					

Native Shrub Mix					
Number	Abbreviation	Species	Specification	Height	Density
34 -	CORSA	Cornus sanguinea	BR :Branched :2/3 brks :1+1	60-80cm	3/m²
26 -	Cav	Corylus avellana	BR :Branched :2/3 brks :1+1	60-80cm	3/m²
26 -	LIGVU	Ligustrum vulgare	BR :Branched :2/3 brks :1+1	60-80cm	3/m²
26 -	PRUSP	Prunus spinosa	BR :Branched :2/3 brks :1+1	60-80cm	3/m²
26 -	RHACA	Rhamnus cathartica	BR :Branched :2/3 brks :1+1	60-80cm	3/m²
17 -	VIBLA	Viburnum lantana	BR :Branched :2/3 brks :1+1	60-80cm	3/m²
17 -	VIBOP	Viburnum opulus	BR :Branched :2/3 brks :1+1	60-80cm	3/m²
Total :172 -					

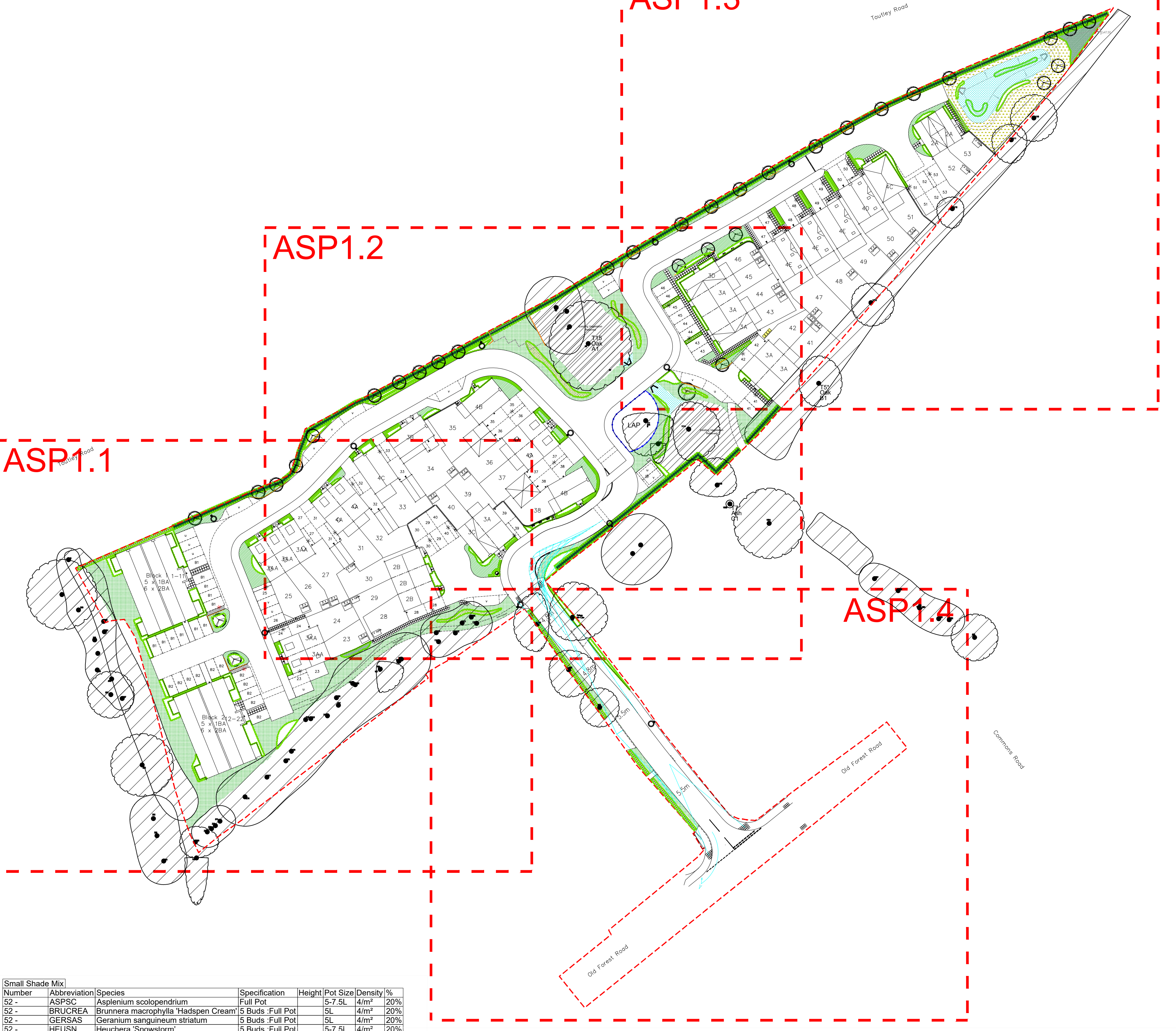
Ornamental Mix 1					
Number	Abbreviation	Species	Specification	Height	Pot Size
6 -	CAROSE	Carex oshimensis 'Evergold'	Full Pot	10L	4/m²
7 -	EfSQ	Euonymus fortunei 'Silver Queen'	Bushy :3/4 brks	30-40cm	5-7.5L
4 -	HEUMIPP	Heuchera micrantha 'Palace Purple'	Full Pot	5-7.5L	3/m²
8 -	LAVANVE	Lavandula angustifolia 'Vera'	Bushy :3/4 brks	30-40cm	3L
Total :25 -					

Ornamental Mix 3					
Number	Abbreviation	Species	Specification	Height	Pot Size
5 -	CAREVEA	Carex hachioensis 'Evergold'	Full Pot	10L	4/m²
4 -	EfEG	Euonymus fortunei 'Emerald Galety'	Bushy :3/4 brks	30-40cm	10L
6 -	LAVANDB	Lavandula angustifolia 'Dwarf Blue'	Bushy :3/4 brks	30-40cm	10L
5 -	LIRMUMW	Liriope muscariflora 'Munro White'	Full Pot	10L	4/m²
Total :20 -					

Bulbs Mix			
Number	Abbreviation	Species	Specification
292 -	CROCHBP	Crocus chrysanthus 'Blue Pearl'	
292 -	CROCHCB	Crocus chrysanthus 'Cream Beauty'	
292 -	CHOTORG	Crocus tommasinianus 'Ruby Giant'	
387 -	GALRI	Galanthus nivalis	
195 -	NARJU	Narcissus jonquilla	
484 -	NARPSE	Narcissus pseudonarcissus	
Total :1942 -			

Attenuation Base Mix			
Number	Abbreviation	Species	Specification
37 -	CARPE	Carex pendula	Clump
97 -	CARRI	Carex riparia	Clump
37 -	ERIAN	Eriophorum angustifolium	Clump
73 -	LYTSA	Lythrum salicaria	Plug: Well Rooted
Total :244 -			

Open Space Shrub Mix					
Number	Abbreviation	Species	Specification	Height	Pot Size
30 -	Cal	Cornus alba	Branched :3/5 brks	60-80cm	5L
25 -	CORSTKEG	Cornus stolonifera 'Kelsey Gold'	Branched :3/5 brks	60-80cm	5L
18 -	Eeu	Euonymus europaeus	Branched :3/5 brks	60-80cm	5L
25 -	MaA	Mahonia aquifolium 'Apolo'	Branched :3/5 brks	60-80cm	5L
25 -	VIBTFRW	Viburnum tinus 'French White'	Branched :3/5 brks	60-80cm	5L
Total :123 -					



Small Shade Mix					
Number	Abbreviation	Species	Specification	Height	Pot Size
52 -	ASPCA	Asplenium scolopendrium	Full Pot	5-7.5L	4/m²
52 -	BRUCREA	Brunnera macrophylla 'Hadspen Cream'	5 Buds :Full Pot	5L	4/m²
52 -	GERSAS	Geranium sanguineum striatum	5 Buds :Full Pot	5L	4/m²
52 -	HEUSN	Heuchera 'Snowstorm'	5 Buds :Full Pot	5-7.5L	4/m²
52 -	POLSE	Polystichum setiferum	Full Pot	5-7.5L	4/m²
Total :260 -					

Amenity Turf	
Rolawn Medallion Turf or Similar	

Amenity Grass Mix	
Emorsgate EL1 Flowering Lawn Mixture. Sown at 40kg/ha	

Wetgrass Mix	
Emorsgate EM8 Meadow Mixture for wetlands. Sown at 40kg/ha	

Wildflower Grass Mix	
Emorsgate EL2 Standard General Purpose Meadow Mixture. Sown at 40kg/ha	

Hard wearing Grass Mix	
Hurrells HM3 Hard Wearing Lawn Grass Seed Mix. Sown on mown grass pathways at 360kg/ha.	

NB: Species within planting mixes to be planted in groups of 3, 5, and 7's in random positions ensuring that contrasting colours are provided.

All frontage hedges to be positioned 0.5m back of highway boundary with a 0.5m bark mulch to the front. Tree planting to be located minimum 1m from kerb edge and 2m from highway boundary where possible.

All open space hedge planting to include a standard post and wire fence located centrally to prevent cut through's being formed during establishment.

Climbers to be trained onto treated timber fan trellis. Dimensions (H1055 x W614mm) or similar to be proportional with proposed wall.

PLANTING NOTES
All plants to be supplied in accordance with the HTA 'National Plant Specification' and from a HTA certified nursery. All plants and trees to be planted in accordance with BS9396 and BS8545. Delivery and handling of all plant material to be in accordance with BS4428/JCL/CPS Code of Practice for 'Handling and Establishing Landscape Plants' Parts I, II and III and BS8545.

Planting Pit and Trench Preparation
Tree pits in soft landscape to be excavated to 1mx1mx1m depth prior to topsoiling and all shrub planting areas excavated to 450mm depth. All proposed hedge planting trenches to be excavated to 600mm depth. Unless otherwise specified, all tree pits in hard landscape to be 2mx2mx1m, backfilled with compacted Urban Tree Soil.

The preparation of planting pits, beds or trenches shall comply with the appropriate British Standards, namely BS4043, BS4428, BS5837 and BS8545. Excavation of planting pits, beds or trenches shall not take place when the ground is frozen or waterlogged such that damage may occur to the structure of the soil. All excavated areas to be backfilled with either site won topsoil or imported topsoil to be BS3882-General purpose grade. All topsoiled areas to be clear of rocks and rubble larger than 50mm diameter and any other debris that may interfere with the establishment of plants. The Contractor shall break up and cultivate at the base of the trenches or planting pits. The sides of the trenches or planting pits shall be loosened with a fork or other similar implement. All stones and the like over 75mm in any dimension, deleterious matter, weeds and weed roots brought to the surface by any cultivation or excavation shall be removed off site. The Contractor shall remove off site the excavated subsoil/fill material when preparing planting pits. The imported topsoil should make up any deficiencies caused by the removal of the subsoil/fill material. Trenches and pits shall have the topsoil and any subsoil/fill material thoroughly broken up and mixed prior to backfilling.

All trees shall be supplied root balled, unless otherwise stated. Root balled trees shall be well grown, healthy and with a compact, contained rootball. They shall be nursery grown and have been regularly watered. Prior to planting, all plant material shall be stored and sorted at in accordance with best practice.

Planting
All plants shall be planted in a random fashion avoiding formal regimented lines at densities indicated in the schedule, unless otherwise specified. Unless otherwise specified, all hedgerows shall be planted in single rows and hedgerow mixes shall be planted in groups of 7, 8 & 15s at densities indicated on the schedule. Ornamental shrub planting mixes shall be planted in groups of 5, 7 & 11s and native shrub planting mixes shall be planted in groups of 9, 13 & 15s, with a cane and protective spiral guard included to all native planting. The selection, procurement, handling, storage and planting operations of all proposed trees shall be in accordance with BS8545:2014 - Trees: from nursery to independence in the landscape, recommendations. Planting and associated operations shall comply with BS4043, BS4428, BS5837 and BS8545. Unless otherwise stated planting shall be carried out during the period of 1 Nov to 31 March when the ground is not frozen or water logged. If planting is required outside this period agreement shall be sought and all bare root plants shall be substituted with container grown stock. Provide Bamboo cane support and Biodegradable Spiral Guards (Green-tech Product code: 160PS1018-PRO) or similar to all native shrubs and hedgerows, young sapling trees, whips and feather planting, ensuring that the main or terminal bud is protruding out above the top of the spirals.

Before tree and shrub planting on site is carried out, the landscape contractor shall ascertain the final as built drainage and service information to ensure any planting alterations required on site can be carried out and ensure trees are planted at least 1.5m away from drains. Should tree locations need to be adjusted the new positioning should be confirmed with the structural engineers with root barriers being installed where required and shrub planting arrangement reviewed if necessary to fit in with the original design intention.

Watering
All plants shall be watered in the field capacity immediately after planting and mulched with 50mm depth of medium grade crushed mulch. The Contractor shall water the trees, shrubs and hedges once planted so that the entire tree pit or planted area is moistened to field capacity, i.e. 'the amount of water retained by previously saturated soil once full drainage has ceased'. Watering to field capacity shall continue frequently and on a regular basis as considered necessary by the landscape contractor and as necessary to ensure the successful establishment and continued thriving of all planting. Additional watering shall be undertaken during summer months and/or periods of drought. Post planting management and maintenance specifically for new tree planting shall include ongoing irrigation and formative pruning as outlined in BS8545. The period over which regular irrigation required for transplanted trees is likely to be at least two full growing seasons to ensure successful establishment. As the root system develops the frequency of irrigation can be reduced.

Staking
All trees within soft landscape areas to be double staked with cross bar and tied, using 1.5m long, 75mm diameter rounded tree stakes 75mm brace, rubber tie and spacer block. Stakes not to extend more than 650mm above ground level. All trees within hardstanding/highways visibility plays to be clear stem to 1.5m high unless otherwise specified. Trees within hardstanding / specific pits to be underground guyed unless otherwise specified.

Root Barriers
Root barriers (ReRoot 1000 or equivalent) to be included adjacent to buildings and services where necessary. Landscape contractor shall check all planting operations comply with appropriate standards and that in the absence of detailed surveys, any necessary underground investigations are undertaken to ensure there are no conflicts with existing or proposed utilities, services or foundations. PROTECTION OF EXISTING VEGETATION TO BE RETAINED. Existing trees to be retained shall be protected in accordance with BS5637, from commencement to completion of all works on site.

N.B. All planting proposals including tree planting have been developed in order to create a high quality environment and gain planning consent for the development. All tree species have been reviewed in line with NHBC guidance (2017) and in the absence of any building foundation depths or detailed