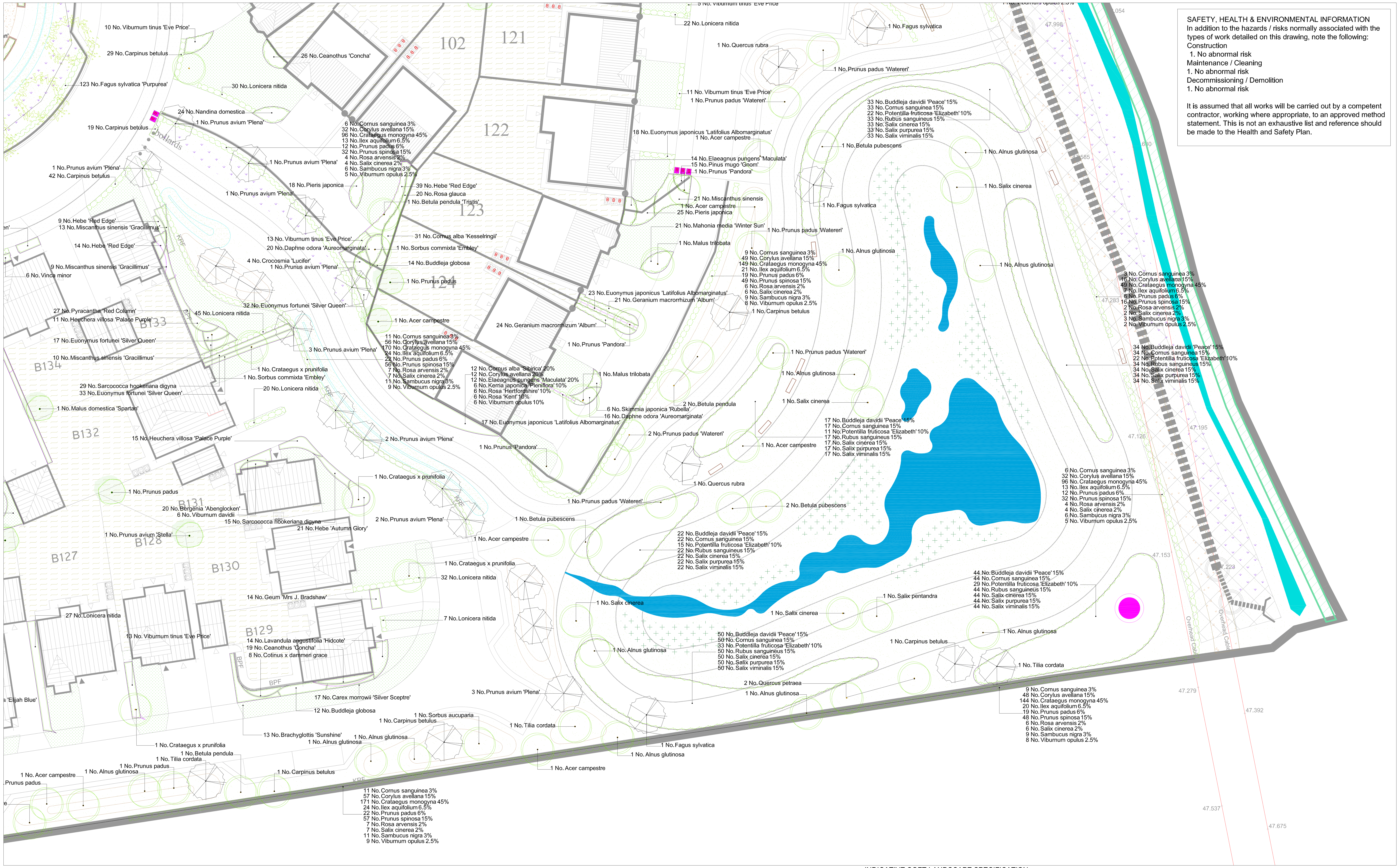

Trees

Number	Species	Height	Girth	Specification	Density
1421 No.	Acer campestre	60-80cm		1+1: Transplant - seed raised: B	6/m
12 No.	Acer campestre	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem min. 200cm	Counted
19 No.	Acer campestre	250-300cm	8-10cm	Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
3 No.	Acer capillipes	150-175cm		Multi-Stemmed: Bushy: 3 stems min.: 2x: RB	Counted
7 No.	Acer griseum	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 125-150cm	Counted
7 No.	Acer x freemanii 'Jeffersred'	450-650cm	18-20cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm	Counted
17 No.	Alnus glutinosa	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem min. 200cm	Counted
4 No.	Alnus glutinosa	250-300cm	8-10cm	Standard: 3 brks: 2x: RB: Clear Stem 175-200cm	Counted
12 No.	Amelanchier x grandiflora 'Robin Hill'	425-600cm	14-16cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm	Counted
6 No.	Amelanchier x grandiflora 'Robin Hill'	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
13 No.	Betula ermanii	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
11 No.	Betula pendula	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
4 No.	Betula pendula 'Dalecarlica'	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
17 No.	Betula pendula 'Tristis'	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
3 No.	Betula pubescens	250-300cm	8-10cm	Standard: 3 brks: 2x: RB: Clear Stem 175-200cm	Counted
1 No.	Betula pubescens	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
2760 No.	Carpinus betulus	60-80cm		1+1: Transplant - seed raised: B	6/m
3 No.	Carpinus betulus	400-450cm	14-16cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm	Counted
2 No.	Carpinus betulus	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
21 No.	Corylus colurna	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
12 No.	Crataegus x prunifolia	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
3 No.	Fagus sylvatica	400-450cm	14-16cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm	Counted
3 No.	Fagus sylvatica 'Aspleniifolia'	400-450cm	16-18cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm	Counted
999 No.	Fagus sylvatica 'Purpurea'	80-100cm		1+2: Transplant - seed raised: B	6/m
4 No.	Liquidambar styraciflua	450-500cm	18-20cm	Extra Heavy Standard: C: Clear Stem min. 200cm	Counted
21 No.	Malus 'Rudolph'	250-300cm	8-10cm	Standard: 3 brks: 2x: RB: Clear Stem 175-200cm	Counted
3 No.	Malus domestica 'Bramley's Seedling'	200-250cm		Feathered: M25 Rootstock: 5 brks: 2x: B	Counted
13 No.	Malus domestica 'Cox's Orange Pippin'	250-300cm	8-10cm	Standard: 3 brks: 2x: B: Clear Stem 175-200cm	Counted
1 No.	Malus domestica 'Laxton's Superb'	250-300cm	8-10cm	Standard: 3 brks: 2x: B: Clear Stem 175-200cm	Counted
2 No.	Malus domestica 'Spartan'	175-200cm		Half Standard: M25 Rootstock: 3 brks: B: Clear Stem 100-125cm	Counted
12 No.	Malus domestica 'Spartan'	250-300cm	8-10cm	Standard: 3 brks: 2x: B: Clear Stem 175-200cm	Counted
14 No.	Malus trilobata	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
15 No.	Prunus 'Pandora'	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
16 No.	Prunus 'Spire'	400-450cm	14-16cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm	Counted
56 No.	Prunus avium 'Plena'	400-450cm	14-16cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm	Counted
4 No.	Prunus avium 'Plena'	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
2 No.	Prunus avium 'Stella'	175-200cm		Half Standard: Prunus F.12.1 Rootstock: 3 brks: B: Clear Stem 100-125cm	Counted
6 No.	Prunus avium 'Stella'	250-300cm	8-10cm	Standard: 3 brks: 2x: B: Clear Stem 175-200cm	Counted
13 No.	Prunus domestica 'Victoria'	175-200cm		Half Standard: Myrobalan B Rootstock: 3 brks: B: Clear Stem 100-125cm	Counted
4 No.	Prunus padus	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
33 No.	Prunus padus	250-300cm	8-10cm	Standard: 3 brks: 2x: RB: Clear Stem 175-200cm	Counted
9 No.	Prunus padus 'Albertii'	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
7 No.	Prunus padus 'Watereri'	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
13 No.	Prunus serrula tibetica	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
30 No.	Pyrus calleryana 'Chanticleer'	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
4 No.	Pyrus calleryana 'Redspire'	400-450cm	14-16cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm	Counted
3 No.	Quercus palustris	450-500cm	18-20cm	Extra Heavy Standard: 3x: RB: Clear Stem min. 200cm	Counted
2 No.	Quercus petraea	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
1 No.	Quercus robur	250-300cm	8-10cm	Feathered: 5 brks: 2x: RB	Counted
4 No.	Quercus robur	300-350cm	10-12cm	Feathered: 7 brks: 2x: RB	Counted
2 No.	Quercus rubra	400-450cm	14-16cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm	Counted
1 No.	Salix pentandra	200-250cm		Feathered: 5 brks: 2x: B	Counted
3 No.	Sorbus aria 'Lutescens'	250-300cm	8-10cm	Standard: 3 brks: 2x: RB: Clear Stem 175-200cm	Counted
16 No.	Sorbus aucuparia	250-300cm	8-10cm	Standard: 3 brks: 2x: RB: Clear Stem 175-200cm	Counted
3 No.	Sorbus aucuparia	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
2 No.	Sorbus aucuparia 'Aspleniifolia'	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
14 No.	Sorbus commixta 'Embley'	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
3 No.	Tilia cordata	400-450cm	14-16cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm	Counted
5 No.	Tilia cordata	300-350cm	10-12cm	Selected Standard: 4 brks: 2x: RB: Clear Stem 175-200cm	Counted
2 No.	Tilia cordata	250-300cm	8-10cm	Standard: 3 brks: 2x: RB: Clear Stem 175-200cm	Counted
22 No.	Tilia cordata 'Greenspire'	400-450cm	14-16cm	Extra Heavy Standard: 5 brks: 3x: RB: Clear Stem 175-200cm	Counted

Shrubs

Number	Species	Height	Pot Size	Specification	Density
31 No.	Brachyglottis 'Sunshine'	30-40cm	3L	Branched: 4 brks: C	2/m²
31 No.	Buddleja davidii 'Peace'	40-60cm	2L	Branched: 3 brks: C	2/m²
72 No.	Buddleja globosa	40-60cm	3L	Branched: 4 brks: C	2/m²
134 No.	Buxus sempervirens	20-30cm	2L	Bushy: 4 brks: C	5/m²
282 No.	Buxus sempervirens	20-30cm	2L	Bushy: 4 brks: C	5/m
695 No.	Ceanothus 'Concha'	20-30cm	3L	C	5/m²
56 No.	Cornus alba 'Kesselringii'	40-60cm		0/1/1: Transplant - cutting raised: Branched: 2 brks: B	3/m²
64 No.	Cornus alba 'Sibirica'	40-60cm	2L	Branched: 3 brks: C	2/m²
2 No.	Cortaderia selloana 'Pumila'		2L	Full Pot: C	Counted
87 No.	Cotinus x dammeri grace	30-40cm	3L	C	3/m²
546 No.	Cotoneaster dammeri	20-30cm	2L	C	5/m²
741 No.	Daphne odora 'Aureomarginata'	30-40cm	2L	Branched: 3 brks: C	4/m²
138 No.	Elaeagnus pungens 'Maculata'	30-40cm	3L	Branched: 3 brks: C	3/m²
78 No.	Elaeagnus pungens 'Maculata'	30-40cm	3L	Branched: 3 brks: C	3/m
105 No.	Escallonia 'Apple Blossom'	40-60cm	3L	Bushy: 4 brks: C	3/m²
103 No.	Escallonia 'Red Elf'	40-60cm	3L	Bushy: 4 brks: C	3/m²
154 No.	Escallonia rubra macrantha	40-60cm	3L	Bushy: 4 brks: C	3/m
604 No.	Euonymus fortunei 'Dart's Blanket'		2L	Bushy: 3 brks: C	4/m²
670 No.	Euonymus fortunei 'Silver Queen'	20-30cm	2L	Bushy: 3 brks: C	5/m²
176 No.	Euonymus fortunei 'Silver Queen'	20-30cm	2L	Bushy: 3 brks: C	5/m
83 No.	Euonymus japonicus 'Latifolius Albomarginatus'	20-30cm	2L	Branched: 3 brks: C	3/m
65 No.	Forsythia x intermedia 'Spectabilis'	40-60cm	2L	Branched: 3 brks: C	2/m²
286 No.	Gaultheria procumbens	20-30cm	2L	C	5/m²
184 No.	Hebe 'Amy'	30-40cm	3L	Bushy: 5 brks: C	3/m²
333 No.	Hebe 'Autumn Glory'	20-30cm	2L	Bushy: 3 brks: C	4/m²
534 No.	Hebe 'Red Edge'		3L	Bushy: 5 brks: C	4/m²
155 No.	Hebe pinguifolia 'Sutherlandii'		2L	Bushy: 3 brks: C	4/m²
103 No.	Hydrangea paniculata 'Grandiflora'	30-40cm	2L	Branched: 3 brks: C	2/m²
67 No.	Ilex aquifolium	60-80cm	3L	Leader with Laterals: C	3/m
135 No.	Lavandula angustifolia 'Hidcote'	20-30cm	5L	Bushy: 7 brks: C	2/m²
77 No.	Lavandula angustifolia 'Hidcote'	20-30cm	5L	Bushy: 7 brks: C	2/m
26 No.	Lavandula angustifolia 'Rosea'	20-30cm	3L	Bushy: 5 brks: C	3/m²
68 No.	Lavandula angustifolia 'Rosea'	20-30cm	3L	Bushy: 5 brks: C	3/m
185 No.	Lonicera nitida	40-60cm	5-7.5L	Bushy: 5 brks: C	2/m²
1261 No.	Lonicera nitida	40-60cm	5-7.5L	Bushy: 5 brks: C	4/m
69 No.	Mahonia aquifolium 'Apollo'	20-30cm	3L	C	5/m²
189 No.	Mahonia media 'Winter Sun'	30-40cm	3L	C	3/m²
113 No.	Nandina domestica	30-40cm	3L	C	4/m²
119 No.	Pachysandra terminalis 'Green Carpet'		2L	Several Shoots: 7 brks: C	4/m²
51 No.	Photinia x fraseri 'Red Robin'	30-40cm	3L	Branched: 6 brks: C	3/m²
49 No.	Photinia x fraseri 'Red Robin'	30-40cm	3L	Branched: 6 brks: C	3/m
219 No.	Pieris japonica	30-40cm	3L	C	4/m²
41 No.	Potentilla fruticosa 'Elizabeth'		3L	Bushy: 4 brks: C	3/m²
36 No.	Prunus laurocerasus 'Cherry Brandy'		5-7.5L	Bushy: 4 brks: C	2/m²
346 No.	Pyracantha 'Orange Glow'	30-40cm	3L	C	3/m²
239 No.	Pyracantha 'Red Column'	30-40cm	3L	C	3/m²
76 No.	Rosa glauca	40-60cm	2L	Branched: 3 brks: C	2/m²
4 No.	Salix cinerea	125-150cm		0/2: Cutting: Branched: 3 brks: B	Counted
231 No.	Sarcococca hookeriana digyna	20-30cm	3L	Bushy: 6 brks: C	4/m²
99 No.	Sarcococca hookeriana digyna	20-30cm	3L	Bushy: 6 brks: C	4/m
461 No.	Skimmia japonica 'Rubella'	30-40cm	5L	Bushy: 4 brks: C	3/m²
169 No.	Spiraea nipponica 'Snowmound'	40-60cm	3L	C	3/m²
289 No.	Viburnum davidii	20-30cm	2L	Bushy: 2 brks: C	3/m²
328 No.	Viburnum tinus 'Eve Price'	30-40cm	5L	Bushy: 5 brks: C	2/m²
138 No.	Viburnum tinus 'Eve Price'	30-40cm	5L	Bushy: 5 brks: C	2/m
512 No.	Vinca minor		1.5L	Several Shoots: 2 brks: C	6/m²

Herbaceous

Number	Species	Height	Pot Size	Specification	Density
976 No.	Bergenia 'Abendglocken'		3L	Full Pot: C	5/m²
117 No.	Cerastium tomentosum		1L	C	8/m²
253 No.	Geranium macrorrhizum 'Album'		3L	Full Pot: C	4/m²
10 No.	Geranium x cantabrigiense		3L	Full Pot: C	4/m²
96 No.	Geranium x oxonianum 'Wargrave Pink'		3L	Full Pot: C	4/m²
235 No.	Geum 'Mrs J. Bradshaw'		2L	Full Pot: C	5/m²
204 No.	Heuchera villosa 'Palace Purple'		2L	Full Pot: C	5/m²
18 No.	Kniphofia 'Bees' Sunset'		2L	Full Pot: C	3/m²
8 No.	Kniphofia caulescens		2L	Full Pot: C	3/m²

Conifers

Number	Species	Height	Pot Size	Specification	Density
34 No.	Metasequoia glyptostroboides	min. 450cm	150-200L	Extra Heavy Standard: C: Clear Stem 175-200cm	Counted
105 No.	Pinus mugo 'Gnom'	15-20cm	3L	Bushy: C	4/m²
49 No.	Pinus mugo 'Mops'	15-20cm	3L	Bushy: C	4/m²

Bulbs

Number	Species	Height	Pot Size	Specification	Density
39 No.	Crocosmia 'Lucifer'		1.5-2L	Full Pot: C	1/m²
16 No.	Crocosmia 'Solfatare'		1.5-2L	Full Pot: C	1/m²

Grasses

Number	Species	Height	Pot Size	Specification	Density
17 No.	Briza media		2L	Full Pot: Sept to April planting: British Native-origin: C	6/m²
150 No.	Carex morrowii 'Silver Sceptre'		2L	Full Pot: C	6/m²
161 No.	Festuca glauca		2L	Full Pot: C	7/m²
17 No.	Festuca glauca 'Elijah Blue'		2L	Full Pot: C	7/m²
229 No.	Liriope muscari		2L	Full Pot: C	4/m²
59 No.	Miscanthus sinensis		2L	Full Pot: C	4/m²
489 No.	Miscanthus sinensis 'Gracillimus'		2L	Full Pot: C	3/m²
57 No.	Stipa tenuissima 'Pony Tails'		2L	Full Pot: C	5/m²

Native Hedge Mix

Number	Species	Height	Pot Size	Specification	Density
234 No.	Cornus sanguinea	60-80cm		1+1: Transplant - seed raised: Branched: 3 brks: B	6/m
1318 No.	Corylus avellana	60-80cm		1+2: Transplant - seed raised: Branched: 3 brks: B	6/m
4029 No.	Crataegus monogyna	60-80cm		1+1: Transplant - seed raised: B	6/m
504 No.	Prunus padus	60-80cm		1+1: Transplant - seed raised: B	6/m
1318 No.	Prunus spinosa	60-80cm		1+1: Transplant - seed raised: B	6/m
147 No.	Rosa arvensis	60-80cm		1+1: Transplant - seed raised: Branched: 2 brks: B	6/m
147 No.	Salix cinerea	60-80cm		0/1: Cutting: Branched: 2 brks: B	6/m
234 No.	Sambucus nigra	60-80cm		1+1: Transplant - seed raised: Branched: 3 brks: B	6/m
188 No.	Viburnum opulus	60-80cm		1+2: Transplant - seed raised: Branched: 3 brks: B	6/m
549 No.	Ilex aquifolium	60-80cm	3L	Leader with Laterals: C	6/m
Total :8668 No.					

Shrub Mix 1

Number	Species	Specification	Height	Pot Size	Density
204 No.	Cornus alba 'Sibirica'	Branched: 3 brks: C	40-60cm	2L	2/m²
204 No.	Corylus avellana	1+2: Transplant - seed raised: Branched: 3 brks: B	60-80cm		2/m²
204 No.	Elaeagnus pungens 'Maculata'	Branched: 3 brks: C	30-40cm	3L	2/m²
100 No.	Kerria japonica 'Pleniflora'	Branched: 3 brks: C	80-100cm	3L	2/m²
100 No.	Rosa 'Hertfordshire'	Roses - Cutting: Bush: Strong: B	20-30cm		2/m²
100 No.	Rosa 'Kent'	Roses - Cutting: Bush: Strong: B	40-60cm		2/m²
100 No.	Viburnum opulus	1+2: Transplant - seed raised: Branched: 3 brks: B	60-80cm		2/m²
Total :1012 No.					

Shrub Mix 2

Number	Species	Specification	Height	Pot Size	Density
200 No.	Buddleja davidii 'Peace'	Branched: 3 brks: C	40-60cm	2L	2/m²
200 No.	Cornus sanguinea	1+1: Transplant - seed raised: Branched: 3 brks: B	60-80cm		2/m²
132 No.	Potentilla fruticosa 'Elizabeth'	Bushy: 4 brks: C		3L	2/m²
200 No.	Rubus sanguineus	BR			2/m²
200 No.	Salix cinerea	BR	60-80cm		2/m²
200 No.	Salix purpurea	BR	60-80cm		2/m²
200 No.	Salix viminalis	BR	60-80cm		2/m²
Total :1332 No.					

INDICATIVE SOFT LANDSCAPE SPECIFICATION

Generally
Prior to planting, all earth works associated with landscape operations are to be made good, top soil levels are to be graded to 50mm above back of kerb after settlement and mounded as appropriate in accordance with landscape design. All existing good quality top soil is to be incorporated into the landscape proposals where practicable.

All plant material, setting out and finished grading is to be checked and approved by the Employers Agent prior to commencement of planting.

All planting is to be carried out during the first appropriate planting season following completion of all hard landscape works.

All areas are to be thoroughly stone picked by hand before and after cultivations, with all stones >20mm removed along with all deleterious arisings.

All landscape areas should remain free from waste material and rubbish at all times.

No planting should take place whilst ground is frozen or water logged.

All planting should arrive to site free of any pernicious weeds/moss/lichen.

All plant material is to be thoroughly watered before packaging for delivery, on the day of planting (before planting) and again immediately following planting using a fine rose sprinkler to the full depth of the roots.

All areas shall remain weed free both during construction and during the defects/maintenance period.

For more detailed information all landscape works should comply fully with the following British Standards:
BS 3882:2007 - Specifications for top soil
BS 3936:part 1:1992 - Nursery stock
BS 4043:1989 - Recommendations for transplanting root balled trees
BS 4428:1989 - Code of practice for general landscape operations
BS 5837:2012 - Trees in Relation to Construction

Sub Soil Preparation
Loosen light, non-cohesive soils with a fine 3 tine ripper, 300mm deep at 600mm centres in two oblique directions; loosen stiff clays and other cohesive sub-soils with a single tine ripper, 450mm deep at 100mm centres in two oblique directions.

Top Soil Preparation
Spread topsoil over prepared sub-soil in layers not exceeding 150mm depth and firm each layer before spreading the next. Overall minimum depths after firming and settlement shall be:

Amenity Grass Areas 150mm
Shrub Areas 450mm
Tree Areas 800mm (minimum)

Imported top soil shall be to BS 3882 premium grade from a source approved by the Employer's Agent. A declaration of analysis including relevant parameters given in BS 3882 shall be submitted to the Employer's Agent prior to delivery to site.

Root Barrier Installation
Main contractor is to install root barriers as required during construction and installation of all new services. Root barriers are to be installed as close as possible to all service runs.

All root barriers are to be installed in accordance with the following guidance from Greenleaf Urban Tree and Landscape Products:

'Root barrier installations are designed to protect the tree (preventing delicate root systems from being massacred by excavation machinery) as well as the utility infrastructure. We specify the use of a proven high strength (minimum thickness 1.0mm - ReR210) Greenleaf HDPE root barrier in all locations. The barrier should be installed as close to the utility as possible (maximizing rooting area for the tree) and if possible, in new service infrastructure projects, be installed in the same trench (against the side of the trench nearest the tree) at the same time as the utility is being laid.

All utilities should be protected (in accordance with the following depth guidance) with the exception of electrical cabling concealed within solid plastic conduit which does not usually require protection. Generally the majority of root growth is found within the top 600mm of the soil surface, therefore all utilities up to a maximum depth of 600mm should have a root barrier installed to 300mm below invert level as protection for both the services and the trees themselves. For services at a depth of between 600-900mm a root barrier should be installed at the same depth as the invert level.

Tree roots are not commonly found deeper than 900mm below the surface however, in some circumstances this can occur. Therefore services at a depth of 900-2000mm should be protected only when specifically requested by the individual service provider, and using a root barrier installed at a depth equal to the invert level. Lastly, utilities deeper than 2000mm only require protection in extreme circumstances and where specifically requested'.

Tree Planting
All tree pits within soft landscape areas should be excavated to the sizes below:

18-20cm/20-25cm RB 1500mm dia. x 750mm deep
16-18cm RB 1250mm dia. x 750mm deep
10-16cm RB 1000mm dia. x 750mm deep

All tree pits should be prepared and soil cells/topsoil installed at the appropriate time during construction to avoid abortive works. Once tree pits have been constructed they are to be capped using temporary semi permeable membrane on tree pit surface to allow soil to breathe, water to permeate tree pit and prevent contamination during further construction works.

No tree planting is to take place until all hard works are complete.

Where practicable trees pits should be excavated to provide continuous length of improved quality tree backfilling material as detailed below.

Trees should be staked in full accordance with details and specification provided. Abrasion shall be avoided by using a buffer of rubber or plastic between the tree and stake. Ties shall be checked during the defects period and adjusted/replaced as necessary to allow for growth.

All tree pits are to be backfilled with approved quality top soil, mixed with tree planting/mulching compost, fertiliser/ameliorant and moisture retentive granules to the following quantities per each tree pit:

250L Tree Planting Compost
150gms SAI Enmag
800gms Broadleaf P4

The above backfill mixture shall be prepared away from the planting area and in sufficient quantity for efficient handling and use. All compost shall be moistened to between 30-40% water content.

Shrub/Herbaceous Planting
As scheduled, all ornamental planting is to be planted evenly to the densities indicated.

Rotovate and/or double dig 400mm deep (shrub areas), 800mm deep (tree areas) remove stones, clay balls exceeding 50mm width, roots, grass, tufts, and foreign matter.

Each pit shall be backfilled with approved quality top soil, mixed with tree planting/mulching compost, fertiliser/ameliorant and moisture retentive granules to the following quantities per each plant:

Ornamental Shrubs/Herbaceous:
10L Tree Planting Compost
30gms SAI Enmag
30gms Broadleaf P4

Specimen shrubs:
40L Tree Planting Compost
70gms SAI Enmag
100gms Broadleaf P4

The above backfill mixture shall be prepared away from the planting area and in sufficient quantity for efficient handling and use. All compost shall be moistened to between 30-40% water content.

Amenity Grass Areas
Break up compacted top soils to full depth; reduce top 100mm to tilth (10mm down to particles); remove surface stones, clay balls exceeding 50mm width, roots, grass tufts and foreign matter; further reduce top 25mm to a fine tilth; rake to true, even, lightly firmed surface; remove surface stones and clay balls exceeding 25mm width.

Grass seed for all topsoil seeded areas - Rigby Taylor R12 General Playing Fields Grass Seed (or similar approved). Sown at a density of 35g/m2. Pre-seeding fertiliser to topsoil seeded areas;6:9:6 NPK at 40gms/m2, spread two to three days before seeding, not on day of seeding.

An initial cut, which shall be the responsibility of the Contractor, shall be carried out when the grass has reached a height of approximately 100mm. Selective weed killer, ICI 'Weedkiller for New Grass' / 'Fisons 'Mecodex' shall also be applied.

Immediately before cutting all stones >20mm in any dimension shall be removed by hand. All arisings shall be removed from site. Prior to the initial cut, a meeting is to be held between the Contractor and the Employer's Agent to agree the extent of re-sowing and weeding necessary.Following this, grassed areas shall not exceed a height of 50mm.

Defects Liability
Bare areas and areas of dead grass will be regarded as defects due to materials and workmanship; they must be made good by re-cultivation and re-seeding/re-turfing. Dead/failing shrubs and trees shall also be regarded as defects due to materials and workmanship and shall be replaced. When planting is carried out by the Contractor post Practical Completion, subject to the approval of the Employer, the landscaping defects liability period will commence from the date of completion of the additional works.

Maintenance
The landscape contractor will have five years maintenance responsibility to coincide with 1 years initial defects rectification period. Maintenance is to be undertaken in accordance with standard maintenance schedule as provided by the employer.

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
In addition to the hazards / risks normally associated with the types of work detailed on this drawing, note the following:
Construction
1. No abnormal risk
Maintenance / Cleaning
1. No abnormal risk
Decommissioning / Demolition
1. No abnormal risk

It is assumed that all works will be carried out by a competent contractor, working where appropriate, to an approved method statement. This is not an exhaustive list and reference should be made to the Health and Safety Plan.

Key
- Site Boundary
- Existing hedgerows to be retained, reinforce and managed (to be protected during construction in accordance with BS5837:2012)
- Proposed Advanced Nursery Stock tree planting
- Proposed extra heavy tree planting (feature trees)
- Proposed extra heavy tree planting (feature trees)
- Proposed selected standard tree planting
- Proposed standard trees
- Proposed shrub planting
- Proposed hedge planting (Proposed native hedge to be planted with post and wire hedge protective fence)
- Proposed turf to front gardens (Medallion by Rowlawn, or similar approved)
- Proposed turf to back gardens (Medallion by Rowlawn, or similar approved)
- Proposed species rich grass mix (WFG20 Species Rich Lawn by Germinal Seeds, or similar approved. Sown at 10g/m² if earth is bare or has been disturbed. In areas where an existing grass sward is present, mix to be oversown at 5g/m²)
- Proposed species rich mix - SUDS/ Wetland Areas (WFG9 Wetland and Pond by Germinal Seeds, or similar approved.)
- Proposed bulbs/ wildflower plugs
- Proposed marginal/ emergent planted areas
- Proposed grassed mounds
- Proposed scrapes/ditches

NOTES
All trees planted within 2m of a highway or adopted footpath, or within 3m of proposed utilities to be planted with a root barrier.

Rev.		CDM.	By.	Chk.	Date.
B	Planting areas removed from some soft verges	yes	DH	SL	09/15
A	Addition of planting labels and changes in accordance with the current layout	yes	DH	SL	08/15

Proj. Monkton Fell - Phase 2
Loc. NE31
Client. Taylor Wimpey/ Barratt David Wilson Homes
Dwg. Softworks (Sheet 8 of 8)
Scale. 1:250@A1
Date. 07/15
Drawing No. 914_17
Rev. B

southerngreen chartered landscape architects
221 Durham Road, Low Fell, Gateshead, NE9 5AB
Tel 0191 440 0034
Fax 0191 420 3490
studio@southerngreen.co.uk