



Cleadon Park - Landscape Specification

All plant material, setting out and finished grading is to be checked and approved by the Employer's Agent prior to commencement of planting. All planting is to be carried out during the first appropriate planting season following completion of all hard works. All areas are to be thoroughly stone picked by hand before and after cultivations, with all stones over 20mm to be removed along with all deleterious arisings. All landscape areas should remain free from waste material and litter at all times.

No planting should take place whilst ground is frozen or water logged. All new plant material should arrive to site free of any pernicious weeds/moss/lichens. All new 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 rectification and 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 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 onto site.

Tree Planting
 All tree pits within soft landscape areas should be excavated to the following size: 1000mm dia. x 800mm deep.

All tree pits should be prepared and 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 the tree pit and to prevent contamination during any further construction works. Tree planting should not take place until all hard works are complete.

Trees should be double short staked and secured with Toms tree ties or similar approved. Tree stakes shall be straight, pointed and with no projections, snags or burrs, in tanalised softwood. Tree stakes shall be of

sufficient length to be driven into the ground finishing 1400mm below finished soil level for heavy standard, with 600mm length above the ground. Minimum diameter of stakes shall be 75mm. Stakes shall be inserted before planting and shall be on the windward side of the tree.

Abrasion shall be avoided by using a rubber / plastic buffer between the tree and stake. Ties shall be checked during the rectification period and adjusted/replaced as necessary to allow for growth. All tree pits 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 tree pit:
 250L Tree Planting Compost
 150gms Scott's Enmag
 800gms Broadleaf P4

Backfill mixture shall be prepared away from planting areas and in sufficient quantity for efficient handling/ use. All compost shall be moistened to between 30-40% water content.

Root Barriers
 At the time of detailing, no services information were available for the development. If services are within a 6m offset of proposed trees shown, we would make the standard recommendation of planting with a root barrier to protect service trenches. Root barriers are to be Re-Roof 1000 by Greentech, or similar approved. Root barrier to be installed as per manufacturers instructions, when the tree pit has been fully excavated and before any back filling has taken place. Any barrier joints are to have an overlap of 1000mm min. and be secured with Re-Roof joining tape to both sides of the joint.

Shrub/Herbaceous Planting
 As per planting schedule, all ornamental planting is to be planted evenly to the densities indicated. Prior to planting, rotate and/or double dig 400mm deep (shrub areas), 800mm deep (tree areas) removing stones and clay balls exceeding 25mm width, as well as weeds, 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 Scott's A1 Enmag
 30gms Broadleaf P4

Specimen shrubs:
 40L Tree Planting Compost
 70gms Scott's A1 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.

Climbers to Western Boundary Fence
 Climbing plants are to be trained to fences using galvanised wire, with vine eyes screwed in at 1000mm centres and at every change in

direction. Galvanised wire is to be 2.50mm (12 swg), secured to the vine eye at each end with a minimum of five turns, and threaded through and wound once round each intermittent vine eye. The minimum height of the wire support is to be 150mm.

Plants are to be planted at least 200mm out from the fence with the roots spread away from it. Branches should be secured lightly with plant ties. The plants may be cased if necessary to reach the wires.

Turf
 Preparation: Break up any compacted topsoil to full depth and reduce to fine silt. Remove undesirable material/arising.
 Apply approved 10:15:10 fertiliser to areas a week before seeding/turfing at 70g/m² in two equal applications in transverse directions.

Turf shall be Rolawn Medallion or similar approved. Turf shall be laid so that joints overlap with turves butted up to one another. Joints shall be filled with fine sand. The Contractor is to allow for maintaining the turf so that it establishes and knits together rapidly.

Grass Seeding
 Seed mix is to be Emorsgate EG 23 shade tolerant turfgrass mixture, applied after the area has received a pre-seeding fertiliser; 6:9:6 NPK at 40gms/m² spread two to three days before seeding.
 Seed sowing rate is to be 25g/m².

Seed Mix:

7.5%	Agrostis capillaris	Common Bent
7.5%	Agrostis castellana	Highland Bent
30%	Festuca rubra	Slender-creeping Red-fescue
30%	Festuca rubra ssp. commutata	Cheving's Fescue
25%	Poa trivialis	Rough-stalked
100%		Meadow-grass

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 and selective weed killer, ICI 'Weedkiller for New Grass' / 'Fison 'Mecodec' shall be applied. Immediately before cutting all stones above 25mm in any dimension shall be hand picked. 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 which is necessary. Following this, grassed areas shall not exceed a height of 50mm.

Rectification Period
 Bare areas of planting 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 Rectification Period will commence from the date of completion of the additional works.

Maintenance
 Maintenance is to be undertaken in accordance with standard maintenance schedule as provided by the employer.

Cleadon Park, Phase 5A

Number	Species Name	Height	Girth	Pot Size	Specification
5 No.	Betula utilis jacquemontii	400-450cm	14-16cm	3L	Extra Heavy Standard; clear stem 175-200cm; 5 breaks
3 No.	Crataegus laevigata 'Paul's Scarlet'	400-450cm	14-16cm	RB EHS	
2 No.	Sorbus aucuparia 'Sheenwater Seedling'	400-450cm	14-16cm	RB, 3x	Extra Heavy Standard; clear stem 175-200cm; 5 breaks
Total :10 No.					

Number	Species Name	Pot Size	Height	Specification	Density
1 No.	Pinus mugo pumilio	10L	30-40cm	Bushy	Counted
Total :1 No.					

Number	Species Name	Pot Size	Height	Specification	Density
5 No.	Amelanchier canadensis	10L	80-100cm	Branched; 6 breaks	1/m ²
16 No.	Amelanchier canadensis	3L	40-60cm	Branched; 3 breaks	2/m ²
197 No.	Berberis thunbergii 'Atropurpurea Nana'	3L	20-25cm	Branched; 4 breaks	4/m ²
7 No.	Buddleia Lochinch'	10L	80-100cm	Branched; 7 breaks	Counted
113 No.	Choisya ternata	3L	30-40cm	Bushy; 4 breaks	3/m ²
47 No.	Cornus alba 'Sibirica'	3L	40-60cm	Branched; 3 breaks	2/m ²
17 No.	Cotinus coggygria purpureus	10L	60-80cm	C; Branched; 5 brks; uniform shape	Counted
1 No.	Escallonia 'Donard Radiance'	10L	60-80cm	Bushy; 6 breaks	Counted
96 No.	Escallonia 'Donard Radiance'	3L	40-60cm	Bushy; 4 breaks	3/m ²
78 No.	Euonymus fortunei 'Emerald Gaiety'	3L	20-30cm	Bushy; 7 breaks	4/m ²
1 No.	Fatsia japonica	10L	60-80cm	Leader	Counted
3 No.	Hamamelis mollis	10L	60-80cm	Bushy; 5 breaks	Counted
88 No.	Hebe 'Mrs Winder'	3L	30-40cm	Bushy; 5 breaks	3/m ²
141 No.	Hebe 'Red Edge'	3L	30-40cm	Bushy; 5 breaks	3/m ²
90 No.	Hypericum 'Hidcote'	3L	30-40cm	Bushy; 5 breaks	3/m ²
4 No.	Ilex aquifolium 'J.C. van Tol'	5-7.5L	40-60cm	Leader with laterals	Counted
34 No.	Lavandula angustifolia 'Vera'	2L	15-20cm	Bushy; 5 breaks	Counted
5 No.	Magnolia stellata	10L	40-60cm	Branched; 5 breaks	Counted
91 No.	Pachysandra terminalis	2L	15-20cm	Several shoots; 7 breaks	5/m ²
3 No.	Phlomis fraseri 'Red Robin'	10L	40-60cm	Branched; 7 breaks	Counted
9 No.	Phormium tenax 'Purpureum'	10L	60-80cm	Triple crown	Counted
3 No.	Photinia fraseri 'Red Robin'	10L	60-80cm	Branched; 7 breaks	Counted
35 No.	Potentilla fruticosa 'Goldstar'	3L	20-30cm	Bushy; 4 breaks	3/m ²
12 No.	Potentilla fruticosa 'Red Ace'	3L	25-30cm	Branched; 4 breaks	3/m ²
122 No.	Prunus laurocerasus 'Cherry Brandy'	3L	30-40cm	Bushy; 3 breaks	3/m ²
22 No.	Santolina virens	3L	20-30cm	Bushy; 7 breaks	Counted
100 No.	Viburnum davidii	3L	20-30cm	Bushy; 3 breaks	3/m ²
Total :1311 No.					

Number	Species Name	Pot Size	Specification	Density
2 No.	Clematis armandi	2L	Caned; several shoots; 2 breaks	Counted
6 No.	Clematis vitalba	2L	Caned; several shoots; 2 breaks	Counted
3 No.	Lonicera periclymenum	3L	Caned; single or several shoots	Counted
Total :11 No.				

Number	Species	Height	Specification	Density
6 No.	Phyllostachya nigra	125-150cm	Several shoots; 10 breaks	Counted
Total :6 No.				

Number	Species Name	Pot Size	Specification	Density
24 No.	Anemone hybrida 'Honore Jobert'	2L	Full Pot	No.
10 No.	Crocus 'Lucifer'	2L	Full Pot	No.
92 No.	Euphorbia amygdaloides 'Robbiae'	2L	Full Pot	4/m ²
12 No.	Geranium psilostemon	2L	Full Pot	No.
20 No.	Hosta 'Big Daddy'	2L	Full Pot; Compact growth; 2 Buds	No.
15 No.	Iris germanica 'Deep Black'	2L	Full Pot	No.
10 No.	Kniphofia 'Royal Standard'	2L	Full Pot	No.
7 No.	Leucanthemum maximum 'Manhattan'	2L	Full Pot	No.
20 No.	Rudbeckia 'Goldsturm'	2L	Full Pot	No.
Total :220 No.				

Number	Species Name	Specification	Density
380 No.	Galanthus nivalis	Grade 5/6	60m ²
435 No.	Narcissus pseudonarcissus	Grade 5/6	30m ²
Total :815 No.			

Number	Species Name	Pot Size	Specification	Density
57 No.	Asplenium scolopendrium	1.5-2L	Full pot	4/m ²
31 No.	Cyrtium falcatum	1.5-2L	Full pot	4/m ²
26 No.	Dryopteris affinis 'Cristata The King'	1.5-2L	Full pot	3/m ²
24 No.	Dryopteris filix-mas	2L	Full Pot	3/m ²
Total :138 No.				

Number	Species Name	Pot Size	Density
24 No.	Calamagrostis acutiflora 'Karl Foerster'	3L	3/m ²
56 No.	Calamagrostis brachytricha	2L	5/m ²
12 No.	Festuca glauca 'Elijah Blue'	2L	7/m ²
74 No.	Miscanthus sinensis 'Ferner Osten'	3L	3/m ²
14 No.	Miscanthus sinensis 'Gracillimus'	3L	3/m ²
13 No.	Pennisetum alopecuroides 'Hamein'	3L	3/m ²
13 No.	Stipa gigantea	10L	Counted
25 No.	Stipa tenuissima 'Pony Tails'	3L	5/m ²
Total :231 No.			

A	Birch tree omitted (planners comments)	✓	CP	LHu	01/16
Rev.		✓	CP	LHu	06/15
Proj.	Cleadon Park, Phase 5A		CDM, By	Chk	Date
			Loc.		
					NE34 8BU
Cient.	Bellway				
Dwg.	Detailed Planting Proposals				
Scale.	1:200 @ A1	Date.	06/2015		
Drawing No.	915/02	Rev.	A		

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