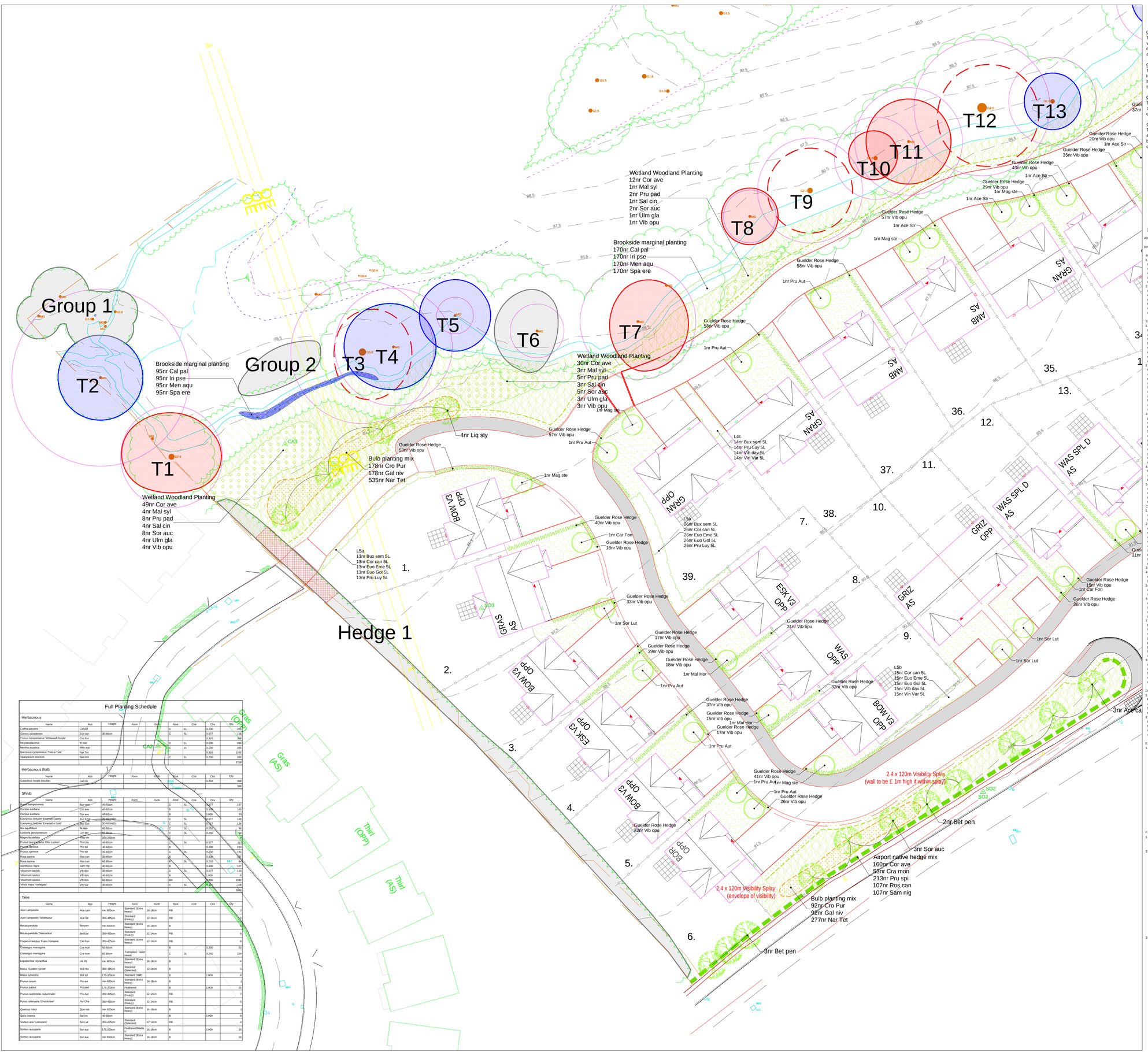


Full Planting Schedule

Herbaceous

Name	Abb	Height	Form	Girth	Root	Crer	Ctrs	Qty
Calthe palustris	Cal pal				C	1L	0.200	205
Cornus canadensis	Cor can	30-40cm			C	5L	0.577	136
Crocus tomasinianus 'Whitewell Purple'	Cro Pur						0.316	392
Iris pseudacorus	Ir pse				C	1L	0.200	205
Mentha aquatica	Men aqu				C	1L	0.200	205
Narcissus cyclamineus 'Tete-a-Tete'	Nar Tet						0.316	1165
Spiraeantum emcryum	Spa ere				C	1L	0.200	205
								2769

Herbaceous Bulb

Name	Abb	Height	Form	Girth	Root	Crer	Ctrs	Qty
Galanthus nivalis (double)	Gal niv						0.316	388
								388

Shrub

Name	Abb	Height	Form	Girth	Root	Crer	Ctrs	Qty
Buxus sempervirens	Bux sem	40-60cm			C	5L	0.577	107
Corylus avellana	Cor ave	40-60cm			B	G	0.300	160
Corylus avellana	Cor ave	40-60cm			B		0.300	91
Euonymus fortunei 'Emerald Gaiety'	Euo Eme	20-40cm(2)			C	5L	0.577	140
Euonymus fortunei 'Emerald n Gold'	Euo Gol	30-40cm(0)			C	5L	0.577	139
Ilex aquifolium	Ilx aqu	60-80cm			C	3L	0.250	96
Lonicera periclymenum	Lon per	60-80cm			C	3L	0.250	96
Magnolia stellata	Mag ste	200-250cm			C			13
Prunus laurocerasus 'Otto Luyken'	Pru Luy	40-60cm			C	5L	0.577	127
Quercus ilex	Qu ilx	40-60cm			B		0.300	213
Prunus spinosa	Pru spi	40-60cm			C	3L	0.250	192
Rosa canina	Ros can	30-40cm			B		0.300	107
Rosa canina	Ros can	60-80cm			C	3L	0.250	107
Sambucus nigra	Sam nig	40-60cm			B		0.300	107
Viburnum davidii	Vib dav	30-40cm			C	5L	0.577	110
Viburnum opulus	Vib opu	40-60cm			B		1.000	8
Viburnum opulus	Vib opu	60-80cm			BR		1.000	1232
Vinca major 'Variegata'	Vin Var	30-40cm			C	5L	0.577	108
								3092

Tree

Name	Abb	Height	Form	Girth	Root	Crer	Ctrs	Qty
Acer campestre	Ace cam	min 600cm	Standard (Extra heavy)	16-18cm	RB			3
Acer campestre 'Streetwise'	Ace Str	350-425cm	Standard (Heavy)	12-14cm	RB			6
Betula pendula	Bet pen	min 600cm	Standard (Extra heavy)	16-18cm	B			8
Betula pendula 'Dalecarlica'	Bet Dal	350-425cm	Standard (Heavy)	12-14cm	RB			6
Carpinus betulus 'Frans Fontaine	Car Fon	350-425cm	Standard (Extra heavy)	12-14cm	RB			6
Crataegus monogyna	Cra mon	50-60cm			B		0.300	53
Crataegus monogyna	Cra mon	60-80cm	Transplant - seed raised		C	3L	0.250	224
Liquidambar styraciflua	Liq sty	min 600cm	Standard (Extra heavy)	16-18cm	B			4
Malus 'Golden Hornet'	Mal Hor	350-425cm	Standard (Selected)	12-14cm	B			2
Malus sylvestris	Mal syl	175-200cm	Standard (Half)		B		1.000	8
Prunus avium	Pru avi	min 600cm	Standard (Extra heavy)	16-18cm	B			1
Prunus padus	Pru pad	175-200cm	Feathered		B		1.000	15
Prunus subhirtella 'Autumnalis'	Pru Aut	350-425cm	Standard (Heavy)	12-14cm	RB			7
Pyrus calleryana 'Chanticleer'	Pyr Cha	350-425cm	Standard (Heavy)	12-14cm	RB			5
Quercus robur	Que rob	min 600cm	Standard (Extra heavy)	16-18cm	B			1
Salix cinerea	Sal cin	40-60cm			B		1.000	8
Sorbus aria 'Lutescens'	Sor Lut	350-425cm	Standard (Selected)	12-14cm	RB			4
Sorbus aucuparia	Sor auc	175-200cm	Feathered/Maide n	16-18cm	B		1.000	15
Sorbus aucuparia	Sor auc	min 600cm	Standard (Extra heavy)	16-18cm	B			10

BS 5837 Category

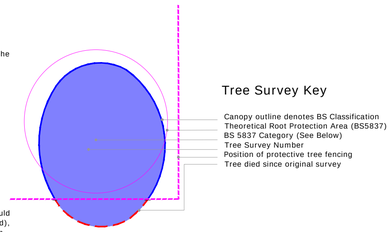
(See Tree Survey for further details)

Category U Red Stem Disc
Those in such a condition that any existing value would be lost within 10 years and which should in the current context, be removed for reasons of sound arboricultural management.

Category A Green Stem Disc
Those of high quality and value: -
in such a condition as to be able to make a substantial contribution (a minimum of 40 years is suggested).

Category B Blue Stem Disc
Those of moderate quality and value: -
those in such a condition as to make a significant contribution (a minimum of 20 years is suggested)

Category C Grey Stem Disc
Those of low quality and value: - currently in adequate condition to remain until new planting could be established (a minimum of 10 years is suggested), or young trees with a stem diameter below 150 mm.



Specification for Soft and Hard Landscape Works.

All landscape works shall comply with BS 4428:1989.

Unless where otherwise specified:-

A. Setting Out
1. Planting shall be set out exactly as shown on the drawing and measured from existing fixed points. Curved beds shall be set out using radii scribed on the ground using two pointed stakes and a line between, or with site marker paint. The junction between convex and concave curves shall be cut to form a smooth and even flowing line. Check that all setting out conforms to the plan before cultivation and planting works are carried out. Failure to do so may result in rejection of the work by the landscape architect and may require amendment at the contractor's expense.
2. All planting beds shall be a minimum of 1 metre wide, except where there is insufficient space, due to the constraints of walls and path edgings and their foundations. With narrow beds between walls/fences and path edgings, ensure that the bed has space free from concrete footings before planting. If the bed is sealed with concrete, then the landscape contractor shall contact the site manager or landscape architect to determine if footings are excessive and can be reduced or else, the bed can be paved. The width of all beds will be checked by the inspecting landscape architect and where the width is not as drawn, the contractor shall re-cultivate them to the specified width at his own expense.

B. Ground Preparation.
1. Pre-planting herbicide application shall be applied by suitable spraying apparatus using an approved translocated systemic herbicide to manufacturer's instructions and to 1997 Control of Pesticides Regulations and 2003 COSHH regulations on all beds, except those which are both weed free and are to receive geotextile sheet mulch. Spray immediately if any weeds are present. If none are showing, but there may be a delay before planting, or the area is to be seeded, spray after one month following cultivation, to allow dormant seed to germinate. All spraying shall be carried out by skilled and qualified operatives, using protective clothing, in suitable weather (no wind) and any damage caused by spray drift, from incorrect usage or spillage, shall be rectified at the contractor's own cost. Repeat as necessary to ensure complete kill and rake off all dead material from site.
2. Carry out the following works to the existing topsoil on site to ensure it conforms to BS 3882:2015, being free from rocks larger than 50m diameter, concrete, all roots, wire, brick, and have less than 20% clay. Allow for pre-application of herbicide as above. Fertilise with 100g per metre square of Fisons "Neutrocote" slow release fertilizer, in accordance with the manufacturer's instructions. For beds less than 5 meters in width, fork over thoroughly or machine rotovate soil to a depth of 300mm, ensuring that the subgrade and topsoil are completely broken up and free draining, relieving any compaction. For beds greater than 5 metres in width, break up the subgrade and topsoil using a tractor mounted subsoiler or ripper at 500mm centres to a depth of 500mm, except where there are services, or within 10 meters of tree stems or 3 meters of existing hedges. Do not rip areas where roots greater than 10mm diameter are encountered. Do not break up soil within the root protection zone of any retained tree. Refer to All About Trees Arboricultural Implications Assessment for further information.
3. Determine before submitting a tender, the extent of support from the site manager with ground preparation: ensure soil of all planting beds is graded to a level 65mm below adjacent grass or paved surfaces, (90mm below where agro-textile sett mulch is not specified), within 400-600mm of edges to ensure bark or wood chip mulches are retained. Where grass is proposed, then the soil level shall be flush (maximum 10mm below - but never proud) of adjacent paved surfaces, to receive rain water run-off. The landscape contractor is responsible for ensuring that the final product conforms to the specification even where the developer and/or main contractor have failed to supply and spread topsoil to the recessed level. The landscape contractor shall allow for adjustment of levels, as specified above, including for re-grading subsoil and topsoil. Where beds are sloping, ensure that topsoil is graded to the specified levels below pavement & grass surfaces within 400mm of the edges of the bed. This is to allow for sheet mulch and bark or wood chip mulch so that mulch does not spill out on to pavements and also to allow surface water to drain from paths on to planted areas.
4. For sloping areas to be turfed adjacent to paved areas, topsoil levels shall be graded flush with the finished pavement level (or up to 10mm below), to allow surface water to drain from pavements to soft areas. Soil of grass areas should therefore never be proud of paved areas. Soil levels more than 10 mm below pavement edges will cause mower damage on cutting.
5. Imported topsoil (where specified and sanctioned by the employer) for making up ground, shall conform to BS 3882: 2007, and be free from rocks (over 50mm diameter), concrete, roots, wire and brick, and have less than greater than 20% clay. Such soil shall be cultivated as set out above. Representative samples shall first be approved by the landscape architect before being supplied to site. No imported soil shall be supplied to site without a written instruction.

C. Planting
1. All planting must be carried out in accordance to the specification and schedule of quantities accompanying these drawings. Refer to the specification for the preparation of existing topsoil and required depths for planting, turfing, and standard trees, and also for maintenance requirements.
2. No substitutions will be accepted without the prior agreement of the inspecting landscape architect. The contractor shall replace at once at his own cost any stock size, species or variety of plant which has not been specified on the planting plan and schedule, unless prior agreement to a substitution by the landscape architect has been received. All plants shall be true to size specified in the schedule of plants and associated notes. (3L pots are 19cm diameter and 15cm deep). All shrubs, (other than ground cover), shall be 400-600mm height and spread, or otherwise specified for the pot size by the HTA National Plant Specification and be bushy, healthy, disease free stock, not pot bound, leggy or spindly. There should be a minimum of 5 breaks per shrub. This specification is the minimum standard required and any stock falling below this standard, in the sole opinion of the inspecting landscape architect, shall be lifted and replaced at the contractor's expense.
3. Refer to accompanying Landscape Management Plan for watering details.
4. Proposed large feathered or standard trees to be true to the species, variety and size as specified on the planting plan, to include 1.6m chestnut stake 600mm above ground and 1000mm below ground) and 1No.tie with spacing device positioned 25mm maximum from the top of the post.
5. Turf to be of cultivated grade such as Rowlawn "Medallion", or other of similar quality and source, approved by the landscape architect. The contractor shall replace at once any turf rejected by the landscape architect at his own cost.
6. Self-clinging climbing shrubs or wall shrubs shall be trained to the wall/fence with heavy duty, plastic coated garden wire. Training wires shall be attached vertically to the wall/fence by means of 125mm long stainless steel eye screw fittings. Position 1No. at 250mm from ground, and 1No. 250mm from top of the wall/fence, and string the wire tightly between the fixings. Train the climber to the wire with plastic coated garden wire tags.
7. Twining varieties of climber shall be trained to walls/fences by mounting ready-made trellis panels 1.8 x 1.8m generally (but 1.8 x 0.6m for corners or where space is restricted). Include for adapting any panels for locations where walls or fences are lower than 1.8m. Fix trellis panels to the walls/fences using rein rusting screws 125mm long (to be approved), incorporating 50mm cube wood spacing blocks to ensure that the panel is mounted sufficiently far from the wall/ fence to allow twining of stems. Ensure that all timber is pressure impregnated with a non phyto-toxic preservative and then painted with a dark brown non phyto-toxic preservative wood stain such as Sadolin "Classic" walnut or similar and approved. Ensure that the trellis is not in contact with the ground. Train the climbing shrub to the trellis with plastic coated garden wire tags.
8. Climbers specified outside proposed shrub beds shall have specially prepared climber pits. Climber pits shall be 400mm x 400mm and 600mm deep (minimum size), and be backfilled with topsoil (from site - unless otherwise agreed). Ensure the base of the pit is thoroughly broken up and free draining before back filling with topsoil. Ensure no damage to foundations and services, and make good all structures and surfaces disturbed. Fertilise with 50g of Fisons "Neutrocote" slow release fertiliser. Water with 15 litres of water per climber pit.

D. Mulch
1. When specified by the additional specification notes on this plan, supply and spread agrotextile "Weedstop Fabric" sheet mulch over planting beds, previously, cultivated, graded and fertilized topsoil before planting, and peg down with Weedstop pegs at a minimum of 500mm centres, (300mm at edges) and beds less than 1m wide. Pegging this densely is essential to prevent flags of material becoming exposed. Refer to the specification for "Weedstop Fabric" sheet mulch on plan.
2. Following planting supply and spread evenly Melcourt Industries "Rustic Biomulch" to a depth of 50mm, (75mm if no sheet mulch specified), over all planted areas. Finished mulch levels shall be no higher than 15mm below pavement or grass levels to avoid any spillage onto pavements or lawns. N.B. no substitution of mulch type will be acceptable. It is essential to have a no-fines, large particled, brown wood chip to reduce weed growth, reduce wind blow and prevent rapid break down.

E. BS Codes
1. All workmanship and materials shall conform to the following codes:-
- General landscape operations (excluding hard surfaces) - BS 4428:1989.
- Trees in relation to construction- BS 5837:2012.
- BS 3998:2010 (recommendations for tree works) unless otherwise specified.
- Arboricultural Association - CN 8 Framework for tree work contracts - standard conditions of contract and specification for tree works 2008.
- BS 8545:2014 Trees: from nursery to independence in the landscape. Recommendations
- Nursery stock in accordance with latest horticultural trade association nursery stock specification entitled "National Plant Specification 2001".
- Turf - BS 3969:1998- recommendations for turf for general purposes.
- Seeding - EEC Regulations 1974. Use blue labelled certified varieties to EC purity and germination regulations. When requested, submit an official seed Testing Station Certificate of germination, purity and composition.
- Topsoil - BS 3882:2007
- Pesticides: Control of Pesticides Regulations 1997; The Health and Safety at Work Act 1974; the COSHH Regulation 2003, the product COSHH sheet Water Supply (Water Quality) Regulations amended 1991;Control of Pollution Act 1974; Hedgerow ACT 1997; Wildlife and Countryside Act 1981.

F. General Notes for the Developer.
1. Tree Protection
- Please refer to All About Trees' tree protection information. No digging to take place within the root protection zones of protected trees.
2. Ground Work
- Soil levels for shrub beds and grass areas should have any compacted subgrade thoroughly broken up by machine before instructing the ground workers to spread topsoil or the landscape contractor to commence work or the beds will become waterlogged in wet weather and the plants and turf.
- Top soil spread from on site should be to the following minimum depths:- Shrub beds- 350mm. Grass areas 150mm. allow for excavation of 415mm of the subgrade for shrub beds to leave beds 65mm below finished pavement or grass areas in order to receive sheet and bark mulch, (90mm below where sheet mulch is not to be used). Tree pits will be as per BS 8545:2014. Top soil shall be spread for grass areas flush with any areas of paving and after settlement, the soil level should be no greater than 10mm below paved areas to allow for turf. For areas to be grass seeded, the soil level shall be flush with any finished paved surfaces after settlement (or to a maximum of 5mm below) to allow for rain water to drain onto soft surfaces. Settlement shall be no greater than the tolerances given or problems will be encountered with mowing (the blades in danger of touching concrete edgings) or where soil is proud of pavements, then drainage problems will be encountered. Existing topsoil and imported soil shall conform to BS 3882:2007, and be free from compaction, rocks/bricks greater than 50mm diameter, concrete, wire, roots, debris, oil, cement and builders rubble. Soil shall have a clay content of less than 20%.
3. Hardworks
- Hard works, unless otherwise agreed, shall be carried out by the developer or main contractor. All materials and workmanship shall be in accordance with the construction details and the layout plan.
- All paths and edgings shall be set out properly to lines and radii, with all curves scribed on the ground using pointed pegs and string or site marker paint, achieving flowing natural arcs. Setting out shall be agreed with the landscape contractor and subsequently the landscape architect.
- Hard surfaces shall be constructed after suitable base courses have been laid, taking full account of local site conditions, soft spots and substrate. The indicative depths of base courses are minimum depths assuming suitable substrate conditions.
- All metalwork shall be finished hot dipped galvanized in accordance with BS EN ISO1460. The galvanizer shall be responsible for the thorough removal of all galvanizing smuts (fettling) to the complete satisfaction of the Landscape Architect. The decorating contractor shall prepare the galvanized surface by washing with detergent and water and scrubbing with a scouring pad until all dirt, grease, white rust & sulphates have been removed & then allowed to dry thoroughly. Supply and paint 'Icosit 6630' from Sika Ltd (tel. 01707 374444) applied with a turk/head brush strictly in accordance with the manufacturer's instructions, COSHH regulations and the product COSHH sheet. Apply 2No. coats of paint with a dry film thickness of 100 microns per coat. Apply paint only when galvanized surface is thoroughly dry at temperatures above five degrees Celsius and in any event above the current dew point temperature. Paint work will be subject to inspection by experts and if found wanting, shall be stripped off, re-prepared and applied entirely at the decorating contractors own cost.
- All wood work to use ACQ water based wood preservative applied by vacuum pressure by Permawood or other similar and approved company. The timber shall then be stained with 3No. coats of Sadolin 'Classic,' colour 'Walnut' strictly in accordance with the manufacturer's instructions, COSHH Regulations 2003 and product COSHH sheet.

Extra-heavy standard tree planting in grassed or planted areas. Tree pits as per BS 8545:2014. To include single 1.6m timber stake, 600mm above ground, spacer and biodegradable tie.

Heavy standard tree planting in grassed or planted areas. Tree pits as per BS 8545:2014. To include single 1.6m timber stake, 600mm above ground, spacer and biodegradable tie.

Ornamental shrub planting, including 50mm depth no-fines bark mulch. Individual species to be planted in groups of no more than 7 plants.

Ornamental hedge planting, including 50mm depth no-fine bark mulch.

Native hedge planting in double staggered rows.

Areas to be turfed.

Areas of amenity grass seed mix or existing grassland, made good.

Areas of species-rich shade tolerant wildflower seeding, such as Emorsgate Mix EW1F.

Native spring bulbs.

Native marginal planting.

Native woodland planting including tubular guards and stakes.

Revision D: Updated to latest layout from client: PDP 24.03.26
Revision C: Updated tree survey information: PDP 03.03.19
Revision B: Additional native planting proposals: PDP 02.09.19
Revision A: Additional native planting proposed: PDP 05.09.19

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Client
Oakmere Homes

Project
Chatburn Road, Clitheroe

Drawing title
Detailed landscape proposals & tree survey
Sheet 1 of 2

Scale	Drawn by	Date
1:250 @ A1	PDP	Aug 2019

Drawing No.
c-981-30 Revision D