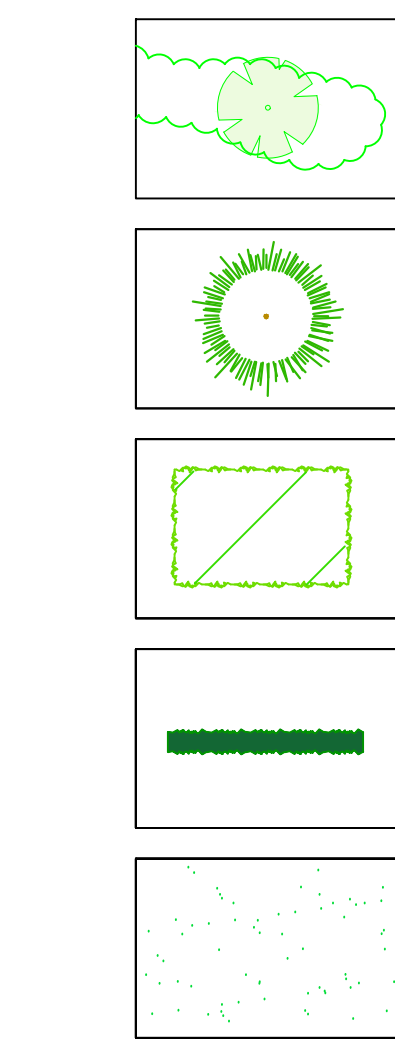




Grass

BB Bat box/Bricks from NHBS or similar
bat boxes should be positioned at a height of 3-6 metres in an open, sunny position (6-8 hours of direct sunlight, or in a location where it receives the morning sun if this is not possible). The location should not be disturbed by bright lights at night such as porch or security lights.

Plant Schedule						
Trees						
Acacia	Species	Height	Height	Specification	3x3	Number of Plants
ACOT	Pink camellia 'Street View'	350-420cm (11-14m)	Height	Standard 3x3	18	3
TCT	Tilia cordata	350-420cm (12-14m)	Height	Standard 3x3	18	3
						Total : 15
Shrubs						
Abies	Species	Specification	Height	Root Size	Size	Number of Plants
CM	Concordia monogyna	Transplant	60-80cm	15cm	1" x 1"	47
CORV	Corylia avellana	Transplant	60-80cm	15cm	1" x 1"	81
ILEA	Ilex aquifolium	Container	60-80cm/5L	15cm	1" x 1"	41
PRUSP	Prunus spinosa	Transplant	60-80cm	15cm	1" x 1"	93
ROSEAR	Rosa rosenas	Transplant	60-80cm	15cm	1" x 1"	47
ROSA	Rosa canina	Transplant	60-80cm	15cm	1" x 1"	93
VIBOP	Viburnum opulus	Transplant	60-80cm	15cm	1" x 1"	47
						Total : 497
Native Hedge Mix						
Abies	Species	Specification	Density	Mix	Species Contribution	Number
ILEA	Ilex aquifolium	Container	6cm	10%		47
ROSEAR	Rosa rosenas	Transplant	1x1	10%		47
ROSCA	Rosa canina	Transplant	1x1	10%		47
CORV	Corylia avellana	Transplant	1x1	10%		81
PRUSP	Prunus spinosa	Transplant	1x1	20%		93
GRAMOM	Concordia monogyna	Transplant	1x1	50%		138
				Total :100%		Total :465

PREPARATION

GROUND PREPARATION - GENERAL

Preparing for topsoiling

Topsoiling and subsoiling should be in accordance with BS 4248:1989 (see Table 4). Subsoiling that is not required should be avoided. Topsoiling should be carried out on the following conditions:

- Topsoiling should be carried out, whether obliquely overcompacted or not, by the thoroughly broken up by the use of a heavy roller or a heavy harrow, followed by adequate spreading of topsoil.
- Topsoiling should be carried out to a depth of 100 mm, or to a depth of 150 mm if the surface has to be raised by a depth of 100 mm, cleaned of all large stones, boulders, perennial weeds and other debris.

Subsoil grouting

Subsoiling should be carried out after loosening of surface, and that of the subsoil underneath by the use of a tractor and blade grader on steep slopes and by a mechanical grader or by hand on small slopes. Grouting should be carried out by means of a heavy machine, for grouting is any other purpose after subsoiling and grouting has taken place.

Making up levels

Grouting should be carried out in lying areas to raise formation levels, it shall be lightly compacted and then broken up again to receive topsoil. If material shall be natural material, it shall be compacted to the required level. If the material is to be formed material, it shall be formed to the required level.

Import of material

Import of material shall be approved by a suitably qualified person prior to spreading on site.

Topsoiling

Topsoiling shall be applied by a suitably qualified person and details of the source of the topsoil shall be recorded. The topsoil shall be applied in accordance with BS 4248:1989 and shall conform to BS 3882:2015. Recommendations and classification for topsoil, class 4, 5a, 5b, 6a, 6b, 7a, 7b, 8a, 8b, 9a, 9b, 10a, 10b, 11a, 11b, 12a, 12b, 13a, 13b, 14a, 14b, 15a, 15b, 16a, 16b, 17a, 17b, 18a, 18b, 19a, 19b, 20a, 20b, 21a, 21b, 22a, 22b, 23a, 23b, 24a, 24b, 25a, 25b, 26a, 26b, 27a, 27b, 28a, 28b, 29a, 29b, 30a, 30b, 31a, 31b, 32a, 32b, 33a, 33b, 34a, 34b, 35a, 35b, 36a, 36b, 37a, 37b, 38a, 38b, 39a, 39b, 40a, 40b, 41a, 41b, 42a, 42b, 43a, 43b, 44a, 44b, 45a, 45b, 46a, 46b, 47a, 47b, 48a, 48b, 49a, 49b, 50a, 50b, 51a, 51b, 52a, 52b, 53a, 53b, 54a, 54b, 55a, 55b, 56a, 56b, 57a, 57b, 58a, 58b, 59a, 59b, 60a, 60b, 61a, 61b, 62a, 62b, 63a, 63b, 64a, 64b, 65a, 65b, 66a, 66b, 67a, 67b, 68a, 68b, 69a, 69b, 70a, 70b, 71a, 71b, 72a, 72b, 73a, 73b, 74a, 74b, 75a, 75b, 76a, 76b, 77a, 77b, 78a, 78b, 79a, 79b, 80a, 80b, 81a, 81b, 82a, 82b, 83a, 83b, 84a, 84b, 85a, 85b, 86a, 86b, 87a, 87b, 88a, 88b, 89a, 89b, 90a, 90b, 91a, 91b, 92a, 92b, 93a, 93b, 94a, 94b, 95a, 95b, 96a, 96b, 97a, 97b, 98a, 98b, 99a, 99b, 100a, 100b, 101a, 101b, 102a, 102b, 103a, 103b, 104a, 104b, 105a, 105b, 106a, 106b, 107a, 107b, 108a, 108b, 109a, 109b, 110a, 110b, 111a, 111b, 112a, 112b, 113a, 113b, 114a, 114b, 115a, 115b, 116a, 116b, 117a, 117b, 118a, 118b, 119a, 119b, 120a, 120b, 121a, 121b, 122a, 122b, 123a, 123b, 124a, 124b, 125a, 125b, 126a, 126b, 127a, 127b, 128a, 128b, 129a, 129b, 130a, 130b, 131a, 131b, 132a, 132b, 133a, 133b, 134a, 134b, 135a, 135b, 136a, 136b, 137a, 137b, 138a, 138b, 139a, 139b, 140a, 140b, 141a, 141b, 142a, 142b, 143a, 143b, 144a, 144b, 145a, 145b, 146a, 146b, 147a, 147b, 148a, 148b, 149a, 149b, 150a, 150b, 151a, 151b, 152a, 152b, 153a, 153b, 154a, 154b, 155a, 155b, 156a, 156b, 157a, 157b, 158a, 158b, 159a, 159b, 160a, 160b, 161a, 161b, 162a, 162b, 163a, 163b, 164a, 164b, 165a, 165b, 166a, 166b, 167a, 167b, 168a, 168b, 169a, 169b, 170a, 170b, 171a, 171b, 172a, 172b, 173a, 173b, 174a, 174b, 175a, 175b, 176a, 176b, 177a, 177b, 178a, 178b, 179a, 179b, 180a, 180b, 181a, 181b, 182a, 182b, 183a, 183b, 184a, 184b, 185a, 185b, 186a, 186b, 187a, 187b, 188a, 188b, 189a, 189b, 190a, 190b, 191a, 191b, 192a, 192b, 193a, 193b, 194a, 194b, 195a, 195b, 196a, 196b, 197a, 197b, 198a, 198b, 199a, 199b, 200a, 200b, 201a, 201b, 202a, 202b, 203a, 203b, 204a, 204b, 205a, 205b, 206a, 206b, 207a, 207b, 208a, 208b, 209a, 209b, 210a, 210b, 211a, 211b, 212a, 212b, 213a, 213b, 214a, 214b, 215a, 215b, 216a, 216b, 217a, 217b, 218a, 218b, 219a, 219b, 220a, 220b, 221a, 221b, 222a, 222b, 223a, 223b, 224a, 224b, 225a, 225b, 226a, 226b, 227a, 227b, 228a, 228b, 229a, 229b, 230a, 230b, 231a, 231b, 232a, 232b, 233a, 233b, 234a, 234b, 235a, 235b, 236a, 236b, 237a, 237b, 238a, 238b, 239a, 239b, 240a, 240b, 241a, 241b, 242a, 242b, 243a, 243b, 244a, 244b, 245a, 245b, 246a, 246b, 247a, 247b, 248a, 248b, 249a, 249b, 250a, 250b, 251a, 251b, 252a, 252b, 253a, 253b, 254a, 254b, 255a, 255b, 256a, 256b, 257a, 257b, 258a, 258b, 259a, 259b, 260a, 260b, 261a, 261b, 262a, 262b, 263a, 263b, 264a, 264b, 265a, 265b, 266a, 266b, 267a, 267b, 268a, 268b, 269a, 269b, 270a, 270b, 271a, 271b, 272a, 272b, 273a, 273b, 274a, 274b, 275a, 275b, 276a, 276b, 277a, 277b, 278a, 278b, 279a, 279b, 280a, 280b, 281a, 281b, 282a, 282b, 283a, 283b, 284a, 284b, 285a, 285b, 286a, 286b, 287a, 287b, 288a, 288b, 289a, 289b, 290a, 290b, 291a, 291b, 292a, 292b, 293a, 293b, 294a, 294b, 295a, 295b, 296a, 296b, 297a, 297b, 298a, 298b, 299a, 299b, 300a, 300b, 301a, 301b, 302a, 302b, 303a, 303b, 304a, 304b, 305a, 305b, 306a, 306b, 307a, 307b, 308a, 308b, 309a, 309b, 310a, 310b, 311a, 311b, 312a, 312b, 313a, 313b, 314a, 314b, 315a, 315b, 316a, 316b, 317a, 317b, 318a, 318b, 319a, 319b, 320a, 320b,

PLANTING

Cultivation
Planting areas shall be relevelled to a depth of 225mm in the original ground, or where the ground is compacted, ripped and relevelled.
Pick off stones, bricks, timber and all other debris arising which have any dimensions greater than 50mm and remove off site to tip. Do not cultivate across any drain where the stone is flush with the ground surface.

Soil Improvers
Where directed composts, fertilisers or other additives shall be incorporated into the soil. Spent mushroom compost or similar shall be spread to the specified thickness and incorporated, by rotovating, into the top 150mm. Fertilisers, organic or inorganic, shall be raked into the top 25mm.

Rejection of plants
All plant material should comply with the minimum requirements in BS 3936 part 1, specification for trees and shrubs and part 4, specification for forest trees; BS 4043, recommendations for transplanting semi-mature trees and BS 5236 recommendations for cultivation and planting trees in the advanced nursery stock category. Any plant material, which in the opinion a suitably qualified person, does not meet the requirements of the Specification, or is unsuitable, or defective in any other way, will be rejected. The minimum specified sizes in the plant schedule will be strictly enforced. The contractor shall replace all plants rejected at his own cost.

Planting
All plant material shall generally be planted between November and March in open cool weather. Planting shall not take place in frosty, snowy or waterlogged conditions. Where approved, pot or container grown plants may be planted outside the described season, but adequate watering shall be supplied. Torn or damaged roots and branches shall be clearly pruned prior to planting.

Planting of whips, transplants and shrubs
The nature of the material to be planted is variable and the contractor shall allow for planting to be properly carried out in all cases as described in BS 4285: 1989 section 7 Annexe tree planting, section 8 Woodland planting and section 9 Planting of shrubs, herbaceous and bulbs. All plants shall be planted at same depth, or very slightly deeper, as they were grown. Roots shall not be bent, broken or forced into inadequate pits or notches. Plants shall be upright, firmed in and wind resistant, with no air pockets around roots. All pots and root wrappings shall be carefully removed prior to planting. All pots and wrappings arising shall immediately be picked up and stored ready for removal to tip. Plants shall be planted at the specified centres. On steep slopes this shall be in the horizontal measure.

Tree planting within soft landscape areas

Feathered trees - 900 x 900 x 450 up to 3 metres high
 Selected standards - 1000 x 1000 x 600 up to 4.25 metres high
 Heavy standards/Extra heavy standards - 1200 x 1200 x 800
 Excavated subsoil or stone shall be carted off site to tip. The bottom 250mm of the pit shall be dug and broken up. The bottom of the pit shall be backfilled with subsoil (site or imported) to comply with BS 8601: 2013. The top 300mm of the pit shall be backfilled with imported topsoil as specified.

Compost for planting pits
Compost shall be a proprietary product, bark based incorporating fertilisers and improving additives. The type of compost shall be approved before its delivery on site, and the details of the product shall be supplied. Curbark planting compost is approved. Where directed compost shall be added to and mixed with topsoil backfill at the following rates:

Feathered trees - 40 litres
Selected standards - 60 litres

Heavy standards/Extra heavy standards - 80 litres

Stakes for trees

Stakes shall be peeled round softwood, pointed, minimum diameter 75mm. The stakes shall be driven into the base of the tree pit prior to placing the tree and backfilling.

Stakes shall in general have a clear height above the finished ground level as follows unless directed otherwise:

- Feathered trees - 750mm (one tie)
- Selected standards - 900mm (2 stakes, one tie each)
- Heavy standards/Extra heavy standards - 1200mm (2 stakes, one tie each)

The stake shall be long enough to drive until they hold the tree firmly without rocking.

Tie tips
Ties for bareroot trees, shall be approved rubber nail-on type with cushioned spacer such as Torco, or other equal and approved. Nails shall be flat headed galvanized and shall hold the tie securely into the stake. Ties shall not be over tight on the tree stems. Ties available from J Torco Limited, Wheeler Street, Headcorn, Ashford, Kent, TN27 6SH.
Feathered Tie - 04 (one tie)
Select standards - Type L1 (one tie per stake)
Basso standards (Type heavy standard) - Type L3 (one tie per stake)

Ties for rootball and container grown trees shall be 50mm rubber tree belts in a figure of eight around the tree. Fixed to the stake with two flat head galvanised nails.
Feathered - one belt
Select standards Type - two belts
Heavy standards/Extra heavy standards - two belts

Planting of trees
The tree shall be set upright and at the same depth as grown in the nursery, the roots shall be spread out (bareroot) and the subsoil followed by compost topsoil mixture, backfilled. Backfilling should be done to ensure close contact between roots and by firming in layers (bareroot). The soil shall be left level and tidy, any subsoil clods, bricks or stones over 50mm arising, collected and carted off site.

Mulching
A 75mm compacted layer of medium grade pulverised bark, with a particle size of not more than 100mm and containing no more than 10% fines, shall be spread to form a continuous layer covering the whole of the bed, or in the case of standard trees within grass shall be in the form of a circle of 600mm diameter around the base of the tree. Whips and transplants shall be mulched in the form of a 300mm diameter circle around the base of the tree. Where trees are planted within grass, a circular herring mulch mat is required beneath the layer of mulch to the diameters stated above, secured with fixing pegs. The tree pit surface shall be as big as possible.

Tree planting within hard landscape areas
Trees shall conform to BS: 3936 and be planted in tree pits of the following sizes unless directed otherwise:
Feathered trees - 900 x 900 x 450 up to 3 metres high
Selected standards - 1000 x 1000 x 600 up to 4.25 metres high
Heavy standards/Extra heavy standards - 1200 x 1200 x 600
Excavated subsoil or stone shall be carted off site to tip. The bottom 250mm of the pit shall be dug and broken up. The bottom of the pit shall be backfilled with subsoil (site or imported) to comply with BS 6601: 2013. The top 300mm of the pit shall be backfilled with imported topsoil as specified unless directed otherwise.

Compost for planting pits
Compost shall be a proprietary product, bark based incorporating fertilisers and improving additives. The type of compost shall be approved before its delivery on site, and the details of the product shall be supplied. Carriback planting compost is approved. Where directed compost shall be added to and mixed with topsoil backfill at the following rates:

- Feathered trees - 40 litres
- Selected standards - 60 litres
- Heavy standards/Extra heavy standards - 80 litres

Tree anchor
Trees shall be anchored using under ground guying system, installed in accordance with manufacturer's instruction. The tree shall be held firmly without rocking.

Planting of trees
The tree shall be set upright and at the same depth as grown in the nursery. The trunk flare at the base shall be just visible and the pit backfilled with subsoil and then topsoil compost mixture. The soil shall be left level and tidy, any subsoil clods, bricks or stones over 50mm arising, collected and carted off site.

Turfing

Soil preparation and cultivation

All areas to be turfed shall be cultivated to a depth of at least 100mm, all weeds, stones and refuse larger than 50mm shall be removed to Contractor's tip, and shall be brought to a fine tilth. Allow for hand cultivation where machine work is not possible.

Turf
Turf shall be extra-quality meadow turf and shall comply to BS 3609 and shall be laid in accordance with BS 4428 section 6, Turfing. The contractor shall supply a sample of the turf he proposed to use for approval of a suitably qualified person and shall ensure that all turves are similar to the approved sample. The Contractor shall inform a suitably qualified person of the location of the supply, so that turf can be inspected prior to lifting.

Season
Turf shall be laid when weather and soil conditions are suitable and, where possible, preference should be given to autumn and early winter operations. No turf shall be laid in exceptionally dry or frosty weather or in other unsuitable weather conditions.

Delivery and stacking
For large areas, turf shall be delivered at appropriate intervals throughout the work so as to avoid stacking for long periods.

Laying
No turf shall be laid until the soil preparation has been satisfactorily completed by being brought to an even tilth and firmness. Turves from the stack shall be wheeled to turf layers on planks laid closely side by side. Adequate timber planks shall be used to support operatives and barrows, and

closely butted and to the same level. The turf shall be laid off planks working over turves previously laid. Where necessary, the turves shall be lightly and evenly firmed with wooden beaters, the bottom of the beaters being frequently scraped clean of accumulated soil or mud. A dressing of finely sifted topsoil shall be applied and well brushed into the joints. Any inequalities in finished levels owing to variation in turf thickness or uneven consolidation of soil shall be adjusted by raking and/or packing fine soil under the turf. A roller shall not be used. The finished levels of the turf shall conform to the levels indicated, allowing for final settlement. Turf edges and margins shall be laid with whole turves. Turves adorning buildings, walls or fences shall be taken to the

Laying around trees
Turf shall not be laid to within 300mm of any tree trunk.

Watering
The Contractor shall be responsible for the replacement of any scorched turf. All necessary watering shall be carried out with sprinklers or oscillating sprays so as not to wash soil out of joints.

PROTECTION TO EXISTING TREES

The recommendations in BS 5837 [2012], *Trees in Relation to Design, Demolition & Construction* must be complied with at all times.

No pruning, lopping, felling or severance of roots is to take place without prior consent of the local authority.

Any work to the existing trees is to be carried out by a qualified tree surgeon. The position and construction of protective fencing shall be agreed with the local authority prior to any site works commencing.

Under no circumstances must any materials be stored under the canopy of existing trees, and no cement, diesel or oil stored near them.

No vehicles should pass under the canopy of existing trees.

No fires should be lit in close proximity to existing trees.

No ropes, cables, services or notice boards shall be fixed to existing trees.

Under no circumstances should the levels around existing trees be either raised or reduced.
Scaffolding may only be erected within protected areas if it is done so in accordance with BS 5637.
Any excavations under existing tree canopy spreads shall be done by hand.

MAINTENANCE

All maintenance to be carried out up to handover to the adopting authority/ householder from the date of completion and tending to ensure successful establishment. All dead, diseased, damaged plants must be replaced during this time unless the local Planning Authority states, in writing, any variations to the above.

Weeding
All beds to be kept weed free by hand weeding. Beds to be forked over as necessary to keep soil loose to approved clambars with no hollows.

Pruning
At appropriate time, prune plants to remove dead, dying or diseased wood and suckers to promote healthy growth and natural shape.

Watering
The Contractor shall ensure that sufficient water is applied to maintain healthy growth.

Litter
The Contractor shall ensure that sufficient litter is applied to maintain healthy growth.

Grass cutting
The initial cut shall be carried out when first growth is apparent, blades set 20mm above ground. The Contractor shall continue cutting at appropriate intervals during the growing season and

maintain 40mm high sward until grass areas are handed over. Watering, weeding, cutting, repair of all erosion and settlement and re-seeding as necessary to establish a uniform and healthy stand of grass shall continue until handover to the householder.

Amends to LPA layout	7 May 25	F	C
Amends to 128 layout	5 May 24	E	H
Latest layout notes	30 Apr 24	D	A
Overview of Phase 2	Oct 16	B	J
Amends to latest layout	Oct 18	A	A
Amends to take account of previous approved scheme			

Do I otherwise need to be scaled for this drawing?	Date	Rev	Dwn
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Landscape Architecture

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Project				
ETON BUSINESS PARK, RADCLIFFE				
HAMILTON HEATH ESTATES LIMITED				
Title				
LANDSCAPE PROPOSALS				
PHASE 1				

Date	Scale(s)	Dwg no	Rev
June 18	1:250 @ A0	5775 01	F
Dwn	Chkd		
DW			