

Outline Specification Notes

1. Landscape Specification to take precedence over these notes if available.
2. Setting out -
Check that all setting out conforms to the plan before cultivation and planting works are carried out. 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 the correct course of action. The arrangement of all beds will be checked by the inspecting landscape architect and where it is not as drawn, the works will be resisted and the contractor shall be instructed to return to the specified arrangement at the contractor's Notice -
Give one weeks notice before:
Setting out; applying herbicide; applying fertilizer; delivery of topsoil/subsoil; delivery of plants/ trees; planting shrubs and trees into previously dug pits; watering; visiting site during maintenance period. Imported topsoils -
Shall be of high quality, conforming to BS 3882:2015 for planting beds. Soil texture class: sandy loam, loam (maximum 20% clay). Do not firm, consolidate or compact topsoil when laying. Preserve a friable texture of separate visible crumbs wherever possible. Topsoil shall be laid to the following minimum depths:
• 150mm below new grass areas;
• 200mm below new shrub and tree areas;
Subsoil surface preparation for ornamental planting beds -
Excavate and/ or place fill to required profiles and levels. When ground conditions are sufficiently dry to allow breaking up of soils, loosen thoroughly to a depth of 450mm. Remove from site stones larger than 50mm and any arisings, contamination and debris. Do not use mechanical tools within 1000 mm of tree soil amelioration -
A 50mm layer of PAS100 certified compost should be worked into the top 100mm of topsoil within areas of ornamental planting beds.
Ensure soil of all planting beds is graded to a level of at least 85mm below adjacent paved surfaces to ensure bark or wood chip mulches are retained.
8. Following planting supply and spread evenly ornamental bark mulch (available from Melcourt industries or similar and approved) to a depth of 75mm, 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.
9. General plant and tree condition -
All plants and trees should be in good condition; materially undamaged, sturdy, healthy and vigorous.
• Appearance: Of good shape and without elongated shoots. All foliage should be free of significant leaf lesions or abnormal discolouration. Tree crowns should be free of dieback. Foliar density and size should be typical of species and/or cultivar. The main trunk/stem of the tree should be free of abnormal/ excessive adventitious bud development. Main trunk/stem of tree should be free from any significant untypical flattening with no indication of strangulation from ties or labels. There should be no epicormic growth emerging from the rootstock of the tree.
• Form: All trees should have a clearly defined strong leader. All lateral branches should be subordinated to the leader and should never be more than 25% of the diameter of the main stem of the branch union. All formative pruning wounds should exhibit healthy and continuous bark occlusion with all pruning cuts made leaving the branch collar clearly visible and intact on the main stem. All branches which are poorly attached, are inward growing or cross and rub other branches should be removed and subordinated to the central stem.
• Hardiness: Grown in a suitable environment and hardened off.
• Health: Free from pests, diseases, discoloration, weeds and physiological disorders.
10. Containerised Plants and Trees -
• Growing medium: With adequate nutrients for plants to thrive until permanently planted.
• Plants: Centred in containers, firmed and well watered.
• Root growth: Substantially filling containers, but not root bound, and in a condition conducive to successful transplanting. Should be free of root circling or root girdling. Root flare should be clearly visible on the surface of the container.
• Containers: With holes adequate for drainage when placed on any substrate commonly used under trees.
11. All plants shall be true to name, forms, dimensions, provenance and other criteria specified in the schedule of plants and adhere to the minimum number of breaks as determined in the plant schedule and/or HTA National Plant Specification. 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.
12. Substitutions -
Submit alternatives where plants/ trees are unobtainable or known to be likely to be unobtainable at time of ordering. Approval must be obtained before making any substitutions.
13. Biosecurity, labelling and documentation -
• All plants must be grown in the United Kingdom for at least one growing season (or as required for biosecurity purposes) unless otherwise approved.
• All plants and trees, on delivery to site must be clearly labelled with their full botanical name; supplier's name; employer's name and project reference; country of origin and plant specification, in accordance with scheduled National Plant Specification categories.
• Plant passports must be supplied and retained as required by the APHA and for all plants on the EU Xylella fastidiosa host list.
• Source from known suppliers or visit suppliers to view their processes, procedures, bio-security arrangements and the plants they grow and provide evidence.
14. Time of year and conditions acceptable for planting -
• All reasonable care should be taken to ensure that planting takes place in the best conditions to ensure that plants establish well and thrive.
• Soil should be moist, and not waterlogged or frozen.
• The best time to plant most containerised plants is in mid-autumn or early/mid spring although with careful watering and aftercare planting of containerised plants can take place year round in good conditions.
• Rootballed and bareroot plants can only be planted in the dormant season from late October to March (in good conditions). When the programme requires planting to be carried out outside of these times, all rootballed and bareroot plants must be substituted for equivalent container grown plants.
15. Planting Pits -
Trees and shrubs to be planted in pits 75 mm wider and deeper than root system. Break up the bottom of the pit to a depth of 150 mm. Incorporate soil conditioner to topsoil backfill. Apply 1.5g/ltr of growing media TerraCottem Arbor and Rootgrow Mycorrhiza Professional granules (50ml for STD trees, 100ml for HS and 120ml for EHS), available from Greentech or similar and approved to topsoil backfill. Where soils are compacted, tree pits should be decompact through excavating a wide, shallow tree pit a minimum 1.5m wide & 4m2 in area by 300-400mm deep, and loosening/breaking the subsoil layer at the base of the pit
Plant Handling, Transport & Storage -
• Protect from frost.
• Handle plants with care. Protect from mechanical damage and do not subject to shock, e.g. by dropping from a vehicle.
• Minimise storage of plants on site by arranging delivery immediately prior to planting. If storage on site is required, ensure the area is fenced off and protected from all other operations and storage. Adequate space should be provided for canopies to be kept clear. Trees should be well supported in an upright position. Plants should be protected from damage by other plants and trees. Plants and Trees should be stored in Wildflower areas -
Wildflower grows best in areas of low soil fertility. Do not add imported topsoil, ameliorants or fertiliser to areas proposed for wildflower. Soil fertility may need to be reduced further by stripping topsoil/soil inversion. Seedbed preparation - Cut down and remove any existing vegetation and/or strip turf. Remove debris and large stones. Cultivate ground, leave for 3-4 weeks and remove germinated weeds. If significant perennial weed growth is present 2-3 applications of herbicide may be required to produce a suitably weed-free seedbed. Where annual weed growth is significant cultivate 1-2 more times at 3-4 week intervals before raking/harrowing to produce a medium tilth and roll to produce a firm surface. In autumn surface sow seed evenly and roll. Do not cover seed. First cut area the following early august, remove arisings and maintain to a height of 50mm until the following March. Dig out residual perennial weeds (docks, brambles, nettles).
18. Watering -
For the first two years after planting proposed trees, mixed ornamental planting and amenity grass will require regular watering to ensure establishment.
• Application: Even and without damaging or displacing plants or soil.
• Period & frequency: Water during the growing season (mid March- early October) once per fortnight or more regularly as required by climatic conditions, such as hot, dry weather, wind and lack of rainfall. Water evergreens twice in winter.
• Volume: When watering shrubs, the top layer of soil should be fully saturated; apply 20L per m2 per visit to hedgerows. During the first season after planting apply 45L/month to STD trees, 75L/month to SS, 115L/month to HS trees, 150L/month to EHS trees. Additional volume is required for larger stock. During the
19. Standards -
Landscape works to be carried out in accordance with the relevant current British Standards (including current revisions of 4428, 3936 & 5837); National Planting Specifications Guidelines; Horticultural Trades Association Standards (including 'Handling and establishing landscape plants' part 1, 2 & 3); CPSE 'Plant Handling' Standards & COSHH Regulations.

Plant Mixes	Area	%	Qty	Latin Name	Common Name	Container (Litres)	Height (cm)	Rate/ Spacing
Plant Mix - Attenuation & Wetland Native Shrub Mix	299.501 sq m							
		20	59	Cornus sanguinea	Common Dogwood	8	60-80	1 Plants/sq m
		15	44	Rhamnus frangula	Alder Buckthorn	8	60-80	1 Plants/sq m
		20	59	Rosa canina	Dog Rose	8	60-80	1 Plants/sq m
		15	44	Rubus fruticosus	Blackberry	8	40-60	1 Plants/sq m
		15	44	Salix caprea	Goat Willow	8	60-80	1 Plants/sq m
		15	44	Sambucus nigra	Common Elder	8	60-80	1 Plants/sq m
Plant Mix - Bridge Ornamental planting bed - indicative only	71.122 sq m							
		12	68	Bergenia 'Bressingham Ruby'	Elephant's Ears 'Bressingham Ruby'	2L		8 Plants/sq m
		15	75	Carex marrovii 'Irish Green'	Marrow's sedge 'Irish Green'	3L		7 Plants/sq m
		12	68	Geranium 'Rozanne'	Cranesbill 'Rozanne'	2L		8 Plants/sq m
		15	64	Hebe pinguifolia 'Sutherlandii'	Shrubby Veronica 'Sutherlandii'	5L	20-30D	6 Plants/sq m
		7	29	Narcissus 'Jenny'	Daffodil 'Jenny'			6 Plants/sq m
		12	52	Nasella tenuissima	Mexican Feather Grass syn. Stipa tenuissima	3L		6 Plants/sq m
		12	68	Salvia nemorosa 'Caradonna'	Balkan Clary 'Caradonna'	2L		8 Plants/sq m
		15	54	Skimmia japonica 'Rubella'	Japanese Skimmia 'Rubella'	10L	40-60	5 Plants/sq m
Plant Mix - Bulbs Mix Native	125.013 sq m							
		30	2813	Crocus tommasinianus	Early Crocus			75 Plants/sq m
		15	1406	Fritillaria meleagris	Snake's Head Fritillary			75 Plants/sq m
		25	2344	Galanthus nivalis	Common Snowdrop			75 Plants/sq m
		30	1500	Narcissus pseudonarcissus	Wild Daffodil			40 Plants/sq m
Plant Mix - Coir Roll Plant Mix	33.371 sq m							
		20	32	Berula erecta	Lesser Water Parsnip	0.5L		5 Plants/sq m
		20	32	Eupatorium cannabinum	Hemp Agrimony	0.5L		5 Plants/sq m
		20	32	Iris pseudacorus	Yellow Flag Iris	1L		5 Plants/sq m
		20	32	Juncus effesus	Soft Rush	1L		5 Plants/sq m
		20	32	Lythrum salicaria	Purple Loosestrife	0.5L		5 Plants/sq m
Plant Mix - Native Buffer	457.537 sq m							
		20	91	Cornus sanguinea	Common Dogwood	8	60-80	1 Plants/sq m
		20	91	Corylus avellana	Common Hazel	8	60-80	1 Plants/sq m
		20	91	Crataegus monogyna	Common Hawthorn	8	60-80	1 Plants/sq m
		20	91	Malus sylvestris	Common Crab Apple	8	60-80	1 Plants/sq m
		20	91	Prunus spinosa	Blackthorn	8	60-80	1 Plants/sq m
Plant Mix - Native Groundcover / Riverside Plot Planting Mix	120.13 sq m							
		15	90	Galium odoratum	Sweet Woodruff	1L		5 Plants/sq m
		30	181	Hedera helix	Ivy	2L	40-60	5 Plants/sq m
		20	48	Hypericum androsaemum	Tutsan	3L	30-40	2 Plants/sq m
		10	71	Luzula pilosa	Hairy Wood-rush	3L		6 Plants/sq m
		10	71	Luzula sylvatica	Great woodrush	3L		6 Plants/sq m
		15	107	Polypodium vulgare	Common Polypody	3L		6 Plants/sq m
Plant Mix - Ornamental planting bed - indicative only	600.061 sq m							
		4	144	Anemone x hybrida 'Honorine Jobert'	Japanese Anemone 'Honorine Jobert'	2L		6 Plants/sq m
		4	96	Aucuba japonica 'Rozannie'	Spotted Laurel 'Rozannie'	5L	30-40	4 Plants/sq m
		4	192	Bergenia 'Bressingham Ruby'	Elephant's Ears 'Bressingham Ruby'	2L		8 Plants/sq m
		4	96	Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass 'Karl Foerster'	3L		4 Plants/sq m
		4	144	Carex marrovii 'Irish Green'	Marrow's sedge 'Irish Green'	3L		6 Plants/sq m
		7	168	Choisya 'Aztec Pearl'	Mexican Orange Blossom 'Aztec Pearl'	5L	30-40	4 Plants/sq m
		7	168	Cornus sanguinea 'Midwinter Fire'	Dogwood 'Midwinter Fire'	5L	60-80	4 Plants/sq m
		4	192	Geranium 'Rozanne'	Cranesbill 'Rozanne'	2L		8 Plants/sq m
		4	216	Geum 'Totally Tangerine'	Avens 'Totally Tangerine'	9cm/1L		9 Plants/sq m
		4	96	Hebe rakaiensis	Rakai Hebe	5-7.5L	20-30D	4 Plants/sq m
		4	216	Helleborus niger	Christmas Rose	2L		9 Plants/sq m
		4	168	Heuchera 'Plum Pudding'	Coral Flower 'Plum Pudding'	2L		7 Plants/sq m
		4	72	Hydrangea arborescens 'Annabelle'	Sevenbark 'Annabelle'	10L	60-80	3 Plants/sq m
		4	72	Hydrangea paniculata 'Limelight'	Limelight Hydrangea	10L	40-60	3 Plants/sq m
		4	96	Hypericum 'Hidcote'	St John's Wort 'Hidcote'	5L	30-40	4 Plants/sq m
		4	168	Liriope muscarii 'Royal Purple'	Big Blue Lilyturf 'Royal Purple'	2L		7 Plants/sq m
		4	96	Miscanthus sinensis 'Kleine Fontäne'	Eulalia 'Kleine Fontäne'	3L		4 Plants/sq m
		4	96	Nandina domestica 'Obsessed'	Heavenly Bamboo	5L	30-40D	4 Plants/sq m
		6	108	Phormium 'Bronze Baby'	New Zealand Flax 'Bronze Baby'	10L	60-80	3 Plants/sq m
		4	168	Rudbeckia fulgida sullivanii 'Goldsturm'	Black-eyed Susan 'Goldsturm'	2L		7 Plants/sq m
		4	168	Salvia nemorosa 'Caradonna'	Balkan Clary 'Caradonna'	2L		7 Plants/sq m
		4	72	Skimmia japonica 'Rubella'	Japanese Skimmia 'Rubella'	10L	40-60	3 Plants/sq m
Plant Mix - Semi-Native Shrub Mix	94.44 sq m							
		20	95	Cornus alba 'Sibirica'	Westonbirt Dogwood	5L	60-80	5 Plants/sq m
		20	19	Cornus sanguinea	Common Dogwood	8	60-80	1 Plants/sq m
		20	19	Corylus avellana	Common Hazel	8	60-80	1 Plants/sq m
		20	132	Luzula sylvatica	Great woodrush	3L		7 Plants/sq m
		20	113	Polypodium vulgare	Common Polypody	3L		6 Plants/sq m

Planting Setting Out Rules

1. Large shrubs and ornamental grasses (i.e. 3/5L) are to be positioned at the back of the planting bed and to blank facades.
2. Large shrubs / ornamental grasses are to be set out in linear groups of 3-7 plants.
3. Evergreen groundcover should also be positioned where there is a risk of trampling such as at the corners of beds.
4. Perennial planting and smaller ornamental grasses (2/3L) should be planted to the front of the bed.
5. Perennial planting and smaller ornamental grasses are to be set out in staggered groups of 2-6 plants.
6. Feature plants (10L+) are to be positioned in the back of the bed or in the middle of larger beds (6 sqm+).
7. Stock sizes implemented on premium homes and show homes should be increased proportionally (i.e. Shrubs/Grasses 5/10L, Perennials 3-5L).
8. Large, spiky, toxic plants should always be avoided adjacent to doorways and footpaths.
9. Large shrubs should be avoided in front of windows, a smaller species / grasses should be used as an alternative.
10. A 0.5m clear offset should be retained around meters situated within planting beds.

Latin Name	Common Name	Qty	Container/ Root condition	Height (cm)	Girth (cm)	Specification
Trees						
Alnus glutinosa	Common Alder	2	RB	350-425	12-14	3x; HS; clear stem minimum 200cm; 5 brks
Alnus glutinosa 'Laciniata'	Cut-leaf Alder	2	RB	350-425	12-14	3x; Heavy Standard; clear stem minimum 200cm; 5 breaks
Betula pendula	Common Silver Birch	7	RB	350-425	12-14	3x; HS; clear stem 175-200cm; 5 brks
Carpinus betulus 'Lucas'	Common Hornbeam 'Lucas'	4	RB	350-425	12-14	3x; HS; clear stem 175-200cm; 5 brks
Corylus Avellana	Common Hazel	6	45-65L	200-250		Multi-stem; bushy; 5 stems minimum
Crataegus monogyna	Common hawthorn	1	RB	350-425	12-14	3x; HS; clear stem 175-200cm; 5 brks
Malus baccata 'Street Parade'	Siberian Crab Apple 'Street Parade'	3	RB	350-425	12-14	3x; HS; clear stem 175-200cm; 5 brks
Malus domestica 'Brownlees Russet'	Apple 'Brownlees Russet'	3	B	175-200		Half Std; MM106 rootstock; clear stem 100-125cm; 3 brks
Malus trilobata	Lebanese Wild Apple	6	RB	350-425	12-14	3x; HS; clear stem 175-200cm; 5 brks
Prunus avium	Wild Cherry	1	RB	350-425	12-14	3x; HS; clear stem 175-200cm; 5 brks
Prunus domestica 'Czar'	Plum 'Czar'	2	B	175-200		Half Std; Myrobalan B rootstock; clear stem 100-125cm; 3 brks
Prunus x schmittii	Ornamental Hybrid Cherry	3	RB	350-425	12-14	3x; HS; clear stem 175-200cm; 5 brks
Pyrus communis 'Conference'	Pear 'Conference'	2	B	175-200		Half Std; Pyrus communis rootstock; clear stem 100-125cm; 3 brks
Salix alba	White Willow	4	RB	350-425	12-14	3x; HS; clear stem 175-200cm; 5 brks
Tilia cordata	Small-leaved Lime	4	RB	350-425	12-14	3x; HS; clear stem 175-200cm; 5 brks
Tilia x europaea	Common Lime	1	RB	450-650	30-35	4x; Semi-mature; clear stem minimum 200cm
KEY:						
B = Bare-rooted and bagged			FTH = Feather		HS = Heavy Standard	
brks = Minimum number of breaks or shoots			LS = Light Standard		EHS = Extra Heavy Standard	
RB = Root-balled			S/Std = Standard		AHS = Advanced Heavy Standard	
L = Container size in litres			SS = Select Standard		SM = Semi Mature	
1+0 = 1 year seedling not transplanted			Whips, rootballed and bagged trees should only be planted during the dormant season (October-March). Otherwise only containerised stock will be accepted.			
1u1 = 2 year seedling undercut after the first year						
1+1 = 2 year seedling transplanted after the first year						
1+2 = 3 year seedling transplanted after the first year						

Plant Schedule

Latin Name	Common Name	ID	Qty	Container (Litres)	Height (cm)	Specifications
Single Species Hedges						
Euonymus japonicus 'Green Rocket'	Japanese Spindle 'Green Rocket'	H-EUO-ROC-40-60cm	777	5L	40-60	Branched; 5 brks. Trimmed to even height. 'Green Spire' / 'Jean Hughes' are acceptable alternatives if unavailable.
Fagus sylvatica	Common Beech	H-FAG-SYL-100-125cm	188	B	100-125	1+2; Transplant - seed raised
Fagus sylvatica	Common Beech	H-FAG-SYL-60-80cm	305	B	60-80	1+2; Transplant - seed raised

Seed, Turf and Mulched Areas Schedule

Areas to be Seeded	Area	Specification/Notes	Rate
Existing - Rough Grassland	2494.69sqm	Existing rough grassland to be retained within/adjacent to RPA's of existing trees to be retained.	
Plant Mix - Bulbs Mix Native	125.01sqm		
Seed Mix Amenity Grass	9.49sqm	'Barenbrug E3 Universal turf' or mix as per site specific requirements and approved. Refer to https://www.barenbrug.co.uk/landscaping/grass-seed for mix details.	30g/m2
Seed Mix Biodiverse Amenity Grass	1617.16sqm	'EG22 - Strong Lawn Grass Mixture' by Emorsgate Seeds Ltd. or similar and approved. 'ELIF - Wild flowers for lawns' by Emorsgate Seeds Ltd. or similar and approved.	EG22: 25 g/m2, ELIF: 1.5g/m2
Seed Mix Wildflower General Mix	142.61sqm	'EM2 - Standard General Purpose Meadow Mixture' by Emorsgate Seeds Ltd. or similar and approved.	EM2:4g/m2
Seed Mix Wildflower Wetland Mix	314.40sqm	'EM8 - Meadow mixture for wetlands' by Emorsgate Seeds Ltd. or similar and approved.	4g/m2
Areas to be Turfed			
Turf General lawn	1006.01sqm	Rolawn Medallion® Turf or similar and approved.	Rolls
Turf or Seeded Back Garden Amenity Grass	4665.92sqm	To be specified by developer.	
Areas to be mulched/to receive planting (not included in plant mix schedule)			
Mulched areas - ornamental planting bed	636.81sqm	To receive ornamental planting (refer to planting proposals for details and plant schedule for specification) and ornamental bark mulch.	Bark mulch: 75mm depth
Mulched areas under ornamental/ single species hedges	322.26sqm	To receive ornamental hedge planting (refer to planting proposals for details and plant schedule for specification) and ornamental bark mulch.	Bark mulch: 75mm depth

P06 01/06/26	Revised to internal comments	LS	JH
Rev	Date	Comments	Dr



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General Notes

Contractor must verify all dimensions, levels and existing service alignments on site before commencing any work or shop drawings. Any discrepancy concerning the drawings/quantities should be referred to the Landscape Architect immediately. Only figured dimensions to be taken from this drawing. Do not scale off this drawing. All landscape drawings to be read in conjunction with the landscape specification and all relevant engineer's and architect's drawings/specifications. Hatches are shown indicatively only and do not represent paving laying pattern/ arrangement. Refer to key and separate details if available. Drawings should not be used to tender from without confirmation from the Landscape Architect.
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Client			
Hill Residential			
Site			
Ickleford Mill, Ickleford SG5 3UN			
Drawing Title			
Planting Schedule and Outline Specification			
Scale			Status
1:200 @ A1			Planning
Project	Drawing Number	Revision	
25033	GUA-XX-XX-DR-L-4001	P06	
Drawn	Checked	Date	
LS/JH	CX	December 2025	