PLANTING SCHEDULE

Name	Abb.	Form	Age	Girth	Height (cm)	Clear stem	Root	Breaks	Total No
Ornamental Trees									
Betula utilis 'Jacquemontii'	BuJ	Standard (Extra Heavy)	3x	16-18	min 450	min 200	RB	/	4
Prunus avium 'Plena'	PaP	Standard (Extra Heavy)	3x	18-20	min 450	min 200	RB	/	10
Pyrus calleryana 'Chanticleer'	PcC	Standard (Extra Heavy)	3x	18-20	min 450	min 200	RB	/	3
Tilia cordata 'Rancho'	TcR	Standard (Extra Heavy)	3x	18-20	min 450	min 200	RB	/	7

Name	Abb.	Form	Age	Girth	Height (cm)	Clear stem	Root	Breaks	Total No
Native Trees									
Acer campestre 'Streetwise'	AcS	Standard (Extra Heavy)	3x	18-20	min 450	min 200	RB	/	4
Betula pendula	Bp	Standard (Extra Heavy)	3x	16-18	min 450	min 200	RB	/	5
Carpinus betulus	Cb	Standard (Extra Heavy)	3x	18-20	min 450	min 200	RB	/	2
Sorbus aucuparia 'Streetwise'	SaS	Standard (Extra Heavy)	3x	18-20	min 450	min 200	RB	/	7

Name	Abb.	Height	Root	Container	Habit	Breaks	Total No
Specimen Shrubs							
Amelanchier lamarckii	Al	250-300	RB	/	Multi Stem, 3x	3	6
Cortaderia selloana	Cos	/	C	25L	V	/	10

Name	Abb.	Height	Root	Container	Habit	Breaks	Total No
Ornamental Shrubs							
Berberis thunbergii atropurpurea 'Nana'	BtAN	30-40	C	7L	Branched	6	34
Buddleja davidii	Bd	80-100	C	15L	Branched	7	37
Ceanothus thyrsiflorus 'Repens'	CtR	60-80D	C	7L	Bushy	6	38
Cholisya ternata 'Sundance'	CtS	40-60	C	7L	Bushy	5	35
Cholisya x dewittreana 'Aztec Pearl'	CdAP	60-80	C	15L	Bushy	7	31
Cordyline australis	Co	100-120	C	15L	Single Stem	/	24
Cornus sanguinea 'Midwinter Fire'	CsMF	80-100	C	15L	Branched	5	39
Cortaderia selloana 'Pumilla'	CsP	/	C	15L	V	/	34
Cytisus x praecox 'Allgold'	CpA	30-40	C	7L	Bushy	5	37
Deschampsia caespitosa	Dc	/	C	7L	V	/	37
Dryopteris felix-mas	DfM	/	C	7L	S	/	29
Escallonia 'Donard Seedling'	EDS	40-60	C	7L	Bushy	/	55
Euonymus fortunei 'Emerald & Gold'	EfEG	30-40	C	7L	Bushy	8	71
Fatsia japonica	Fj	60-80	C	10L	Leader	/	58
Hebe 'Mrs W Inder'	HMW	40-60	C	10L	Bushy	9	49
Hebe rakaiensis	Hr	30-40	C	7L	Bushy	7	77
Hydrangea macrophylla 'Lanarth W hite'	HmLW	60-80	C	15L	Branched	7	32
Hypericum hidcote	Hh	30-40	C	7L	Bushy	7	63
Lavandula angustifolia	La	30-40	C	5L	Bushy	6	91
Liriope muscari	/	/	C	5L	V	/	93
Lonicera nitida 'Baggesens Gold'	LnBG	40-60	C	7L	Bushy	5	54
Lonicera nitida 'Malgreen'	LnM	40-60	C	7L	Bushy	10	52
Mahonia aquifolium	Ma	40-60	C	7L	Branched	5	36
Mahonia x media 'Charity'	MmC	60-80	C	15L	Bushy	3	26
Miscanthus sinensis 'Zebrinus'	MsZ	/	C	7L	V	/	36
Phormium 'Pink Panther'	PPP	/	C	10L	Triple Crown	/	33
Phormium tenax 'Purpureum'	PtP	/	C	10L	Triple Crown	/	36
Phormium 'Yellow W ave'	PYW	/	C	10L	Triple Crown	/	49
Photinia x fraseri 'Red Robin'	PRR	60-80	C	15L	Branched	/	43
Pieris floribunda 'Forest Flame'	PFF	60-80	C	15L	Bushy	9	32
Pittosporum tenuifolium 'Tom Thumb'	PtTT	40-60	C	7L	Bushy	7	53
Prunus laurocerasus 'Otto Luyken'	PlOL	40-60	C	7L	Bushy	5	78
Prunus lusitanica	Pl	80-100	C	15L	Bushy	5	30
Rosa 'TI Dagmar Hastrup'	RFDH	/	C	7L	Bush	Qual A	33
Skimmia japonica 'Rubella'	SjR	40-60	C	7L	Bushy	4	29
Spiraea japonica 'Goldflame'	SjGF	40-60	C	7L	Bushy	7	34
Stipa gigantea	Sg	/	C	15L	S or V	/	35
Stipa tenuissima	St	/	C	7L	S or V	/	29
Viburnum tinus 'Eve Price'	VtEP	40-60	C	15L	Bushy	9	32
Viburnum x davidii	Vd	40-60	C	7L	Bushy	5	71
W eigela 'Mont Blanc'	W MB	60-80	C	7L	Branched	7	35

Name	Abb	Height	Root	Container	Habit	Breaks	Age	Density	Total No
Formal Native Clipped Hedgerow									
Carpinus betulus	Cb	80-100	B	/	Transplant - seed raised	/	1+2 or 1/2	4/m²	1380

* Native formal hedge to be planted in a double staggered row of a single species at 0.5 metre centres at rate per m² as indicated. To be maintained at 1.2m height.

Name	Abb	% in mix	Height	Root	Container	Habit	Breaks	Age	Density	Total No
Native Hedgerow Mix										
Acer campestre	Ac	15%	80-100	B	/	/	/	1+1 or 1/1	4/m²	94
Corylus avellana	Ca	15%	60-80	B	/	Branched	3	1+2 or 1/2	4/m²	94
Crataegus monogyna	Cm	50%	60-80	B	/	/	/	1+1 or 1/1	4/m²	314
Ilex aquifolium	Ia	10%	60-80	/	5L	Leader & Laterals	/	/	4/m²	63
Ligustrum vulgare	Lv	5%	60-80	B	/	Branched	3	1+1 or 1/1	4/m²	31
Prunus spinosa	Ps	5%	80-100	B	/	Branched	3	1+2 or 1/2	4/m²	31

* Native hedgerow mix to be planted in a double staggered row in groups of7, 9, 11 or 13 of a single species at the 0.5 metre centres at rate per m² as indicated.
** All whips and transplants to have rabbit guards / shrub shelter appropriate to the species.

Name	Abb	Height	Root	Container	Habit	Breaks	Density	% in Mix	Total No
Native Buffer Mix Planting									
Acer campestre	Ac	80-100	B	/	/	/	1/m²	10%	26
Cornus sanguinea	Cs	60-80	B	/	Branched	3	1/m²	10%	26
Corylus avellana	Cav	60-80	B	/	Branched	3	1/m²	15%	39
Crataegus monogyna	Cm	100-125	B	/	Transplant - seed raised	/	1/m²	40%	107
Ilex aquifolium	Ia	60-80	/	5L	Leader & Laterals	/	1/m²	10%	26
Prunus spinosa	Ps	80-100	B	/	Branched	3	1/m²	5%	13
Viburnum opulus	Vo	60-80	B	/	Branched	3	1/m²	5%	13

* Native buffer mix to be planted at 1m centres in groups of no larger than 5 of a single species.
** All whips and transplants to have rabbit guards / shrub shelter appropriate to the species.

* Any plants found not to be in accordance with the specification above after post completion site inspection will be replaceable at contractors expense in accordance with substitutions paragraph of specification on drawing.

** Contractor to ensure numbers on plant schedules match numbers on drawing before placing order for plants.

ESTIMATED TREE LOCATIONS

PUBLIC OPEN SPACE

EDGERTON ROAD

REFER TO DRAWING NO 4135-2101 FOR DETAILED LAYOUT

2100 01 MASTERPLAN 1:1500

SOFT LANDSCAPE SPECIFICATION

NOTE: All soft landscape works to be carried out in accordance with BS4428:1989.

SUBSOIL
Subsoil should be broken up to relieve compaction and old drainage prior to topsoiling to the following depths:
- For light and non cohesive subsoils: 300mm
- For stiff clay and cohesive subsoils: 450mm
Immediately before spreading topsoil, remove stones larger than 50mm.

TOPSOIL
To be supplied and spread by the main contractor to the approval of the Landscape contractor, in accordance with BS 3882 : 2015. To be a natural sandy loam, of medium texture, with a pH between 5.5 and 7.8, not more than slightly stony and free of pernicious weeds. Subsoil to be well broken up prior to top-soiling to relieve compaction. Topsoil depths should be:
Areas for Ornamental Shrub Planting: minimum 450mm
Areas for Native Buffer / Hedge Planting: minimum 300mm
Areas for Grass lawns: minimum 150mm

CULTIVATION
Weeds to be prevented from seeding or becoming established by applying a suitable herbicide and allowing the correct time to elapse, as directed by the manufacturer. Compacted soil to be broken up to a depth of 100mm, with any stones, grass tufts or rubbish larger than 50mm in any direction to be removed, leaving a regular and even surface. Suitable slow release fertiliser to be supplied and spread @ 50g/m2 to all planted areas.

CLIMATIC CONDITIONS
Topsoiling should be carried out in the driest conditions possible – cultivation to be carried out when the soil is moist, friable and not waterlogged or frozen. Topsoil should not be handled during or after heavy rainfall or when it is wetter than the plastic limit as defined by BS 3882. Planting should not take place in waterlogged conditions or when the ground is frozen.

SOIL AMELIORANT
Peat-free compost to be spread over ornamental shrub beds @ minimum 50mm depth prior to cultivation.

TREES
All trees within shrub beds to be planted in separate pits in accordance with tree planting details. Tree pit to be 100mm deep including minimum 150mm thick drainage layer of well washed gravel with a geotextile layer separating growing medium from drainage layer. Pit bottom to be broken up to minimum depth of 250mm and sides to be scarified.
Trees to be backfilled with topsoil : tree planting compost 1:6 by volume. All plant material to comply with BS 3936 Part 1 :1992, be obtained from a nursery certified by the HTA and transported to site in accordance with the HTA Plant Handling Guide: 1996. All trees to be planted to the original root collar and the following methods should be implemented to secure them: Trees in soft - double staked using 75mm dia. pressure treated timber stakes and cross bar, secured with tree tie and spacer at a height not exceeding 1/3 of the tree height.

If the trees are planted outside of the planting season then containerised stock to be used in lieu of root balled but the same tree heights are still required - allowance to be made for this at tender stage if required once construction timetable is known and CA informed immediately.

PROPOSED SHRUB PLANTING
All shrubs to be positioned as shown on the drawing and to the density and specification listed in the plant schedule.
Planting holes to be 150mm wider than the root spread, have the base ground thoroughly broken up before planting and backfilled with peat free compost.
All shrubs to be equally spaced throughout the planting areas to the specified density in a staggered arrangement unless otherwise noted in the planting schedule.
Contractor to measure numbers on-site to ensure match those shown on drawing before placing any orders for plants. Any discrepancies to be brought to the attention of the Landscape Architect upon discovery.
Contractor to check on site dimensions of all landscape areas to ensure specified quantities will achieve the specified densities for each species.

NATIVE WHIP PLANTING
Areas to be cleared and cultivated as described above. Rotovate areas to receive whip planting to a minimum depth of 300mm to form an open textured free draining growing medium. Remove all stones and other debris larger than 50mm in any one direction and remove all litter and vegetation matter prior to planting.
Each transplant to be fitted with tubex rabbit guard / shrub shelter appropriate to the species prior to mulching.

WILDFLOWER PLANTING
Wildflower mix to be planted directly into cultivated **subsoil** 150mm depth in accordance with manufacturers recommendations at rate of 5g/m2 (see key for species mixture).
Preparation: Cultivate subsoil, apply a suitable herbicide and allow the correct time to elapse, as directed by the manufacturer, and seed the bed. No fertiliser, compost or mulch are to be applied to the wildflower bed.
Maintenance for the meadow areas (2 maintenance cuts per year):
Cutting first season: Time of first cut - if sown in Autumn cut in March/April, if sown in Spring cut in August - October after flowering. Height of first cut - 70mm, if sown in Autumn it should also be cut in September/October after flowering.
Cutting second season: March/April - cut to 70mm then September/October - cut to 70mm after flowering.
To be cut twice a year from then on as per above.
Weeding: In the first two years all weeds should be hand pulled to remove undesirable plant species such as docks, thistles, nettles etc.
***NOTE** - At time of each cut all arisings to be removed from the bed to maintain reduced soil productivity.

GRASSED AREAS
Seeded / turfed areas should be sown / laid in accordance with BS 3969:1998: Recommendations for Turf for general purposes and BS 4428-1989 General Landscape Operations.
Height of initial growth: 100mm
Height of first cut: 50mm
Height of growth: The height of growth must not exceed 100mm at any time.
Frequency: Cut as and when necessary to a height of 25mm, using a rotary mower and remove all arisings.
Timing: When grass reaches scheduled height of maximum growth and is reasonably dry.
Application: At the time of each cut, trim all grass edges round the base of trees, manholes etc and remove arisings. Sweep all adjoining hard areas clear of cuttings and remove.
Weeding: Keep the sward substantially free of broad leaved weeds by applying a suitable selective herbicide.
Fertilizer: March application: 15:10:10 Spring turf fertilizer at 35g/m2.
September application: 5:10:10 Autumn turf fertilizer at 50g/m2.

SUBSTITUTIONS:
Upon submission of evidence that certain materials, including plant materials, are not available at the time of the landscape contract, the Landscape Contractor may be permitted to substitute other materials and plants in exceptional circumstances during the contract with an agreed adjustment of prices.
All substitutions shall be of nearest equivalent species and variety to the original specified but shall be subject to approval by the Landscape Architect before any change is made.

TIMES OF YEAR FOR PLANTING:
Landscape works to be carried out during the final possible planting periods prior to practical completion of the building and associated engineering works / car park areas in accordance with the following:
- Native and ornamental trees: During dormant winter period - Late October to late March (only if planted in the planting season otherwise containerised stock to be used).
- Bare root native transplants: During dormant winter period - Late October to April.
- Container grown ornamental and specimen shrubs: At any time if ground and weather conditions are favourable.

MULCH
75mm depth of 8-35mm ornamental bark mulch (peat-free) to be supplied and spread to all planting areas. Finished mulch level to be installed and maintained at 25mm below any adjacent kerbs or paving surfaces.

WEEDING
Weeding should be carried out at each and every maintenance visit. All weeding to planting beds should be carried out using hand methods only. Topping up the mulch to maintain the specified depth is the best method of preventing weeds and will reduce ongoing maintenance time.

MAINTENANCE
All planting areas to be maintained to a high standard during the defects liability period by the landscape contractor who installed the scheme for 12months after practical completion, to ensure the landscape scheme is successful, and discourage decline of the area.
Minimum frequency of maintenance visits:
December / January / February & March - 1no. visit each month
April to November - 2No. visits each month.

Generally, during the first 12months:
- All planting beds to be re-firmed and kept weed free through hand weeding and application of an approved herbicide where appropriate.
- All litter to be picked and removed from landscape areas.
- Mulch to be topped up as required to maintain the specified thickness.
- The condition of all trees is to be regularly checked, with ties and stakes adjusted or replaced as necessary.
- Shrubs to be pruned at appropriate times of year for each species to promote healthy growth and desirable ornamental features.
- Grass lawn area and wildflower meadow areas to be cut and maintained in accordance with specification note above.
- All arisings to be removed from site.
- Formal hedges are to be maintained at 1.2m height.
- Any defects or plant losses occurring during the first 12 months defects period to be replaced at the contractors expense.

The approved landscape scheme shall, from its completion, be maintained for a total period of 5 years. If, within this period, any tree, shrub or hedge shall die, become diseased or be removed, it shall be replaced with others of similar size and species.

Further to the initial 12 months defects liability period, a separate landscape maintenance contractor (if necessary) shall be employed to carry out the maintenance for the remaining 4 years.

GENERAL WATERING
All soft landscaping to be subject to a watering regime which is absolutely essential to ensure the continued success of the scheme, particularly during the initial 12 month establishment period. The watering frequency should be as necessary to ensure the continued thriving of all grass, hedges, trees and ornamental planting. During dry periods minimum weekly visits should be made to the site to ensure the soil has not dried out and to action watering if necessary. The soil should be checked for dryness using either a soil moisture sensor or by inserting a spade into the ground to a depth of 300mm to observe the appearance of the soil. If the soil is moist there is no need to water but if it is bone dry then watering procedure should be carried out immediately. Water supply should be from potable mains water or an approved alternative. The full depth of topsoil should be wet without loosening or damaging plants. Any compacted soil should be broken up sufficiently to allow water to reach the rootzone.

WATERING TREES
Trees to be watered in accordance with BS 8545-2014 Tree - From Nursery to Independence.
Trees should be watered via the installed irrigation / aeration pipes around the base of the trees stem in accordance with the manufacturer's instructions to ensure the water reaches the roots of the tree.
Below is a suggested watering regime but this should be used as a guide only and may require modification in times of drought or flood, dependant on the ground conditions at the time, which should be monitored as above:

- March - October: 20 litres to be poured into irrigation pipe two times per week (40 litres in total)

Do not scale from this drawing
The contractor is to check all the dimensions on site
This drawing is the copyright of the architect
All rights described in chapter IV of the copyright, designs and patents act 1988 have been generally asserted

Soft Landscape Key

- **Existing trees to be retained & protected in accordance with BS5837:2012** Refer to arboricultural consultants tree survey for details
- **Existing trees to be removed** Refer to arboricultural consultants tree survey for details
- **Proposed trees** Refer to schedule for species and specification
- **Proposed specimen shrubs** Refer to schedule for species and specification
- **Proposed ornamental shrub planting** -15 / 10 Litre stock
- **Proposed ornamental shrub planting** -7 Litre stock
- **Proposed ornamental shrub planting** -5 Litre stock
- **Proposed native buffer mix** Refer to schedule for species and specification
- **Proposed native formal hedge** Refer to schedule for species and specification To be maintained at 1.2m max. height
- **Proposed native mixed species hedgerow** Refer to schedule for species and specification To be maintained at 1.6m max. height
- **Proposed high quality amenity lawn turf**
- **Proposed wildflower meadow mix** Germinal Amenity WFO2 Flowering Meadow Mix *Refer to specification for seeding & maintenance requirements* NB - To be sown into cultivated **subsoil** not topsoil to lower fertility.
- **Proposed amenity grass seed mix** Germinal Seeds A22 Low maintenance grass mix. Refer to specification for sowing and maintenance requirements.
- **Root Barrier** ReRoot 1000 ribbed root barrier by GreenBlue Urban, *installed adjacent to all trees next to pavements to prevent future root disturbance. To be installed in accordance with manufacturers recommendations.*

TIMESCALE FOR IMPLEMENTATION
All landscape works will be carried out prior to the occupation of the dwelling immediately adjacent.

POSITIONS OF TREES ARE SUBJECT TO CONFIRMATION BY CLIENT OF SERVICES & FOUNDATION DEPTHS – TO BE IN ACCORDANCE WITH NHBC GUIDELINES

TO BE READ IN CONJUNCTION WITH DRAWING NO 4135 2101

E	16/07/25	Drawn: DW	Check: DW

Root barriers added adjacent to all trees in close proximity to pavements & dwellings. 1No tree Bp tree moved from adjacent Plot 20 to the opposite side of the POS. Maintenance period extended to 5 years in spec. Timescale for implementation note added to layout.

D	16/12/24	Drawn: DW	Check: DW

3No trees and grass seed added to rear of Plots 22-24.

C	23/10/24	Drawn: DW	Check: DW

Landscaping amended in line with latest site plan.

B	27/09/24	Drawn: DW	Check: DW

Landscaping amended in line with latest site plan.

A	13/06/24	Drawn: DW	Check: DW

Landscaping amended in line with latest site plan.

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Drawn DW Check DW

Project
Proposed Residential Development
Clayton Field
Edgerton
Huddersfield

Drawing
Soft Landscape Plan
Layout 1 of 2

Scale	Date
1:250@A0	15/05/24

Ref.	Number	Rev.
4135	2100	E