SPECIFICATION FOR SOFT LANDSCAPE WORKS

TOPSOIL
Imported topsoil shall comply with BS 3882 and shall be good quality, medium topsoil loam, acid or slight acid (ph not less than 5.0), stones not greater than 50mm in any dimension, perennial weeds and any other foreign matter, free from chemical or other polluted subsoil, weeds, straw, sticks, stones, clay lumps and other deleterious material. Topsoil containing a significant proportion of subsoil or other foreign matter will not be accepted on the site.
On no account shall topsoil be brought on the site in excessively wet conditions or in a water logged state. It shall be from an approved source, shall be fertile with a humus and fibre content and shall have a good crumb structure with medium texture.
Any topsoil brought onto the site without such approval shall be at the Contractor's own risk and shall be removed at the Contractor's expense if considered unsuitable.

The Contractor shall inform the Contract Administrator as soon as possible and not later than one week after the commencement of the works, of the source(s) of supply of topsoil. A sample of approved topsoil must be retained on site until the end of topsoiling operations for comparison with subsequent deliveries. Any soil not of this quality shall be loaded up and carried off site to a tip to be provided by the Contractor, all at the Contractor's own expense. The Contractor will be responsible for the replacement of rejected soil at no extra cost.

Amenity Lawn areas: 150mm minimum depth
Wildflower meadow 150mm minimum depth
Ornamental shrub areas and planters 450mm minimum depth

TREE PLANTING
CAT survey to be completed prior to excavation works. All utility searches to be completed working with the Principal Contractor to ensure all existing and proposed service runs are identified prior to commencement of works.

Bare root and root balled plant material to be planted from November to end of March only. All plant material to be watered fully following planting operations. Extra Heavy Standard, Heavy Standard tree pits shall be 1m x 1m x 1m. The bottom 150mm of each tree pit to be broken up and 100mm layer of PAS100 grade compost shall be worked in. Compacted ground to be broken up. Backfill shall be excavated material with 50:50 mixed with tree planting compost. (Sample to be approved). 4No Sierrablen gro tabs to be incorporated into each tree planting pit.

All Extra Heavy Standards, double staked, 300mm to be driven into the ground and 600mm maximum above ground. A flexible webbing cross bar within 25mm of the top of the stake shall be used and fixed to the trunk with expandable ties. All trees to have spiral guards at base. Each tree shall have a 50mm diameter perforated plastic irrigation pipe, with plastic cap, wrapped in a circle above and around the sides of the rootball.

75mm Ornamental Bark Mulch (sample to be approved), to be spread evenly to 1m diameter surrounding the tree.

SHRUB PLANTING AND NATIVE HEDGE
All planting beds to have a minimum depth of 150mm subsoil and 450mm depth of topsoil. All planting beds to be set out working with the Site Engineer to ensure existing underground services within the service run are avoided. The ground to be rotovated initially, removing all stones in excess of 50mm diameter.
The native hedgerow to be set out in a double staggered row, 450mm apart, 5No plants/ml.
Topsoil to be supplied in accordance with BS 3882:2015. A 100mm thick layer of a suitable PAS100 peat free compost shall be worked fully into the planting beds. Slow release fertiliser to be incorporated into planting beds at manufacturer's recommended rates.
75mm Ornamental Bark Mulch (sample to be approved), to be spread evenly to all ornamental and native shrub and hedge planting areas.

AMENITY LAWN: SEEDING
All lawn areas to have a minimum depth of 150mm topsoil. Seeding to occur during March/April/May or during August/September. All noxious weeds to be spot sprayed until amenity lawn area fully established. All stones and debris 50mm and above to be removed. Ground to be cultivated and raked to fine tilth, with even constant gradients. Pre-seeding fertiliser to be added prior to sowing. Any areas of failure to be re-seeded. Autumn and spring general fertiliser to be added during establishment period.
Seed mix: HL2 Low Maintenance Grass Seed Mix applied at 35gms/m². Supplier: Hurrell Seeds:
https://www.hmseeds.co.uk/product-page/20kg-hl-2-low-maintenance-grass-seed-mix-hl2, Tel No 01377 271400.

TURFING
All areas to be turfed to have a minimum of 150mm depth topsoil.
Turf to be supplied to BS 3969, free from undesirable grasses and weeds. A general purpose utility turf with no perennial ryegrass. Timing: Lay turf with minimum possible delay after lifting. If delay occurs, lay turf out on topsoil and keep moist. Do not lift turf nor lay in frosty weather or waterlogged ground: Do not use dried out or deteriorated turf: Turves on site to be stored no higher than 1m.
Turves to be laid - Spring and summer: Within 18 hours of delivery, Autumn and winter: Within 24 hours of delivery. Weather conditions: Do not lay turf when persistent cold or drying winds are likely to occur or soil is frost bound, waterlogged or excessively dry. Working access: Planks laid on previously laid turf. Do not walk on prepared bed or newly laid turf. Jointing: Laid with broken joints, well butted up. Do not stretch turf. Edges: Whole turfs, trimmed to a true line. Adjusting levels: Remove high spots and fill hollows with fine soil. Consolidating: Lightly and evenly firm as laying proceeds to ensure full contact with substrate. Do not use rollers. Dressing, brushed well in to completely fill all joints: 35% Finely sifted topsoil, 35% Compost, 30% Sand.
Watering: Thoroughly water completed turf immediately after laying. Check that water has penetrated into the soil below.

WILDFLOWER MEADOW
SEED MIX: Hurrells Specialist Seeds, Driffield, East Yorkshire, Tel. No 01377 271 400
P9 Heavy Soils Wildflower Grass Seed Mix, to be applied at 5gm/m².
Purchase fresh seed for each growing season. Do not use seed purchased for previous seasons. Use blue label certified seed varieties complying with EC regulations for purity and germination. When requested, supply to CA samples of mixtures as delivered to site or copy of original certificate of germination, purity and composition carried out by an Official Seed Testing Station.
SOWING: Sow seed in calm weather in the autumn or spring but can be sown at other times of the year if there is sufficient warmth and moisture. The seed must be surface sown and can be applied by machine or broadcast by hand. To get an even distribution and avoid running out divide the seed into two or more parts and sow in overlapping sections. Do not incorporate or cover the seed, but firm in with a roll, or by treading, to give good soil/seed contact. (
PROTECTIVE SYSTEM: Protect newly seeded areas with Contractor's tape and pegs around perimeter of all areas. Maintain until grass is well established then remove and reinstate ground. Make good any damage to grass until area is accepted. The protection system will remain the property of the Contractor.
WATERING: During establishment of grass areas ensure that sufficient water is applied using a fine sprinkler or oscillating spray to maintain healthy growth.
CLEANLINESS: Remove soil and arisings from hard surfaces and leave the works in a clean, tidy condition at Practical Completion and after any maintenance operations.

MAINTENANCE
All dead/diseased plant material, shrubs and trees to be replaced during the Nov/March planting season during the following planting season following installation..
TREES: Tree ties to be checked periodically. Stakes to be removed once the trees are established.
SHRUB AREAS: All planting beds to be kept free of weeds, by hand weeding or use of herbicide. All planting beds to be kept watered during the establishment and 12 months maintenance period. Bark mulch to be topped up on all planting beds to even 75mm depth. Wood chip not to be used
AMENITY LAWN: Preparation: Before each cut remove litter and debris.
All lawn areas to be trimmed to maintain a height of 50mm growth. Strim edges to paths. Sweep all path areas clear of arisings
WILDFLOWER MEADOW: Preparation: Before each cut remove litter and debris.
First cut in following July/August following flowering at 75mm height with second cut to a height of 50mm in October. Removal of arisings.
Weed control: Keep all beds substantially free of noxious weeds. Application of a suitable selective herbicide. Keep the sward substantially free by applying a suitable selective herbicide. Avoid cutting in the spring and early summer if the mixture is autumn sown and contains Yellow Rattle. These sown annuals should be allowed to flower, then in mid-summer cut back and the cut vegetation removed.
Carefully dig out or spot treat any residual perennial weeds such as docks.
Sweep all path areas clear of arisings. Carry out the following operations from completion of seeding until end of 12 months maintenance period or as instructed by the CA.
FAILURES OF SEEDING: Bare areas, areas of dead grass and wild flowers that have failed to thrive, which are apparent during the 12 months defect liability period, will be regarded as defects due to materials or workmanship not in accordance with the Contract and must be made good by re-cultivation and reseeding at times agreed with the CA.
ALL HEDGEROWS: During establishment period, herbicide application to be applied to ensure ground within 0.5m of planting to be kept clear of weeds. All native hedgerows to be allowed to grow to natural form with minor pruning only.

TREES

Number	Name	Girth/Dia. cm	Height cm	Specification	Root Zone
7	*Acer campestre 'Elegant'*	14-16	400-450	3x; EHS; clear stem min. 200cm; 5 brks	RB
3	*Amelanchier x grandiflora 'Robin Hill'*	14-16	425-600	3x; EHS; clear stem 175-200cm; 5 brks	RB
5	*Betula pendula 'Tristis'*	16-18	400-450	3x; EHS; clear stem min. 200cm	RB
8	*Malus 'Red Sentinel'*	14-16	400-450	3x; EHS; clear stem 175-200cm; 5 brks	RB
5	*Prunus 'Accolade'*	16-18	400-450	3x; EHS; clear stem min. 200cm	RB
2	*Prunus avium 'Plena'*	14-16	400-450	3x; EHS; clear stem 175-200cm; 5 brks	RB
9	*Prunus 'Spire'*	16-18	400-450	3x; EHS; clear stem min. 200cm	RB
9	*Sorbus aucuparia*	16-18	400-450	3x; EHS; clear stem min. 200cm	B
2	*Sorbus aucuparia 'Sheerwater Seedling'*	14-16	400-450	3x; EHS; clear stem 175-200cm; 5 brks	RB
2	*Sorbus vilmorinii*	12 to 14	350-45	3x; HS; clear stem 175-200cm; 5 brks	RB
52					

SHRUBS AND GROUNDCOVER

Number	Name	Height cm	Root Zone	Specification	No./m²
45	*Choisya ternata*	60-80	25L	Bushy; 9 brks	2
26	*Corylus avellana*	60-80	B	1+1; Transplant - seed raised; branched; 2 brks	1
70	*Escallonia 'Apple Blossom'*	40-60	5L	Bushy; 5 brks	3
38	*Hebe x franciscana 'Blue Gem'*	30-40	5-7.5L	Bushy; 7 brks	3
71	*Hebe 'Great Orme'*	30-40	5L	Bushy; 5 brks	3
83	*Hebe 'Little Leaves'*	30-40	5-7.5L	Bushy; 7 brks	4
39	*Hedera helix 'Green Ripple'*	60-80	3L	Several shoots; 3 brks	5
184	*Lavandula angustifolia 'Hidcote'*	30-40	7.5L	Bushy; 9 brks	4
11	*Lavandula angustifolia 'Munstead'*	20-30	5L	Bushy; 7 brks	4
2	*Philadelphus 'Beauclerk'*	60-80	10L	Branched; 6 brks	1
96	*Potentilla fruticosa 'Abbotswood'*	30-40	5-7.5L	Bushy; 5 brks	3
86	*Potentilla fruticosa 'Primrose Beauty'*	30-40	5-7.5L	Bushy; 5 brks	3
72	*Rosa 'Ballerina'*	30-40	B	Budded; Bush; Quality A	3
84	*Rosa 'Berkshire'*	30-40	B	Budded; Bush; Quality A	3
19	*Rosa 'Bingo'*	30-40	B	Budded; Bush; Quality A	3
42	*Rosa 'Flower Carpet Red Velvet'*	30-40	B	Budded; Bush; Quality A	3
147	*Rosa 'Flower Carpet Sunshine'*	30-40	B	Budded; Bush; Quality A	3
27	*Rosa 'Kent'*	40-60	B	Cutting; Bush; strong	3
19	*Viburnum tinus 'Eve Price'*	40-60	10L	Bushy; 7 brks	2
1161					

FRUIT

Number	Name	Height cm	Root Zone	Specification
2	*Malus domestica 'Bramley's Seedling'*	150-175	B	Bush; MM106 rootstock; 5 brks; 2-3 years old
2	*Malus domestica 'Cox's Orange Pippin'*	150-175	B	Bush; MM106 rootstock; 5 brks; 2-3 years old
2	*Pyrus communis 'Doyenné du Comice'*	125-150	10-12L	Bush; Quince A rootstock; 5 brks; 2 years old
8	*Rheum x hybridum 'Prince Albert'*		B	1 strong bud; min. 1 year crown; Grade A
14				

NATIVE HEDGEROW MIX

Number	Name	Height cm	Root Zone	Specification	Mix %
48	*Acer campestre*	40-60	B	1+1; Transplant - seed raised	10
96	*Cornus alba*	40-60	B	0/1; Cutting; branched; 2 brks	10
144	*Corylus avellana*	40-60	B	1+1; Transplant - seed raised; branched; 2 brks	15
24	*Crataegus monogyna*	40-60	B	1+1; Transplant - seed raised	30
24	*Ilex aquifolium*	40-60	3L	Bushy; 3 brks	5
72	*Malus sylvestris*	40-60	B	1+1; Transplant - seed raised	5
24	*Prunus avium*	40-60	B	1+1; Transplant - seed raised	5
48	*Prunus spinosa*	40-60	B	1+1; Transplant - seed raised; branched; 2 brks	20
480					

BULBS

Number	Name	Specification	No./m²
100	*Narcissus 'Thalia'*	Grade 10/12	10

REV:	DESCRIPTION:	BY:	DATE:
STATUS: PLANNING			

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CLIENT: MARTIN WALSH ARCHITECTURAL LTD.

SITE: Clough House

TITLE: Soft Landscape Sketch Proposal

SCALE AT A1:	DATE:	DRAWN:	CHECKED:
1:250	01/06/22	PB	SF
PROJECT NO: 196	DRAWING NO: 196-PP-001		REVISION: --