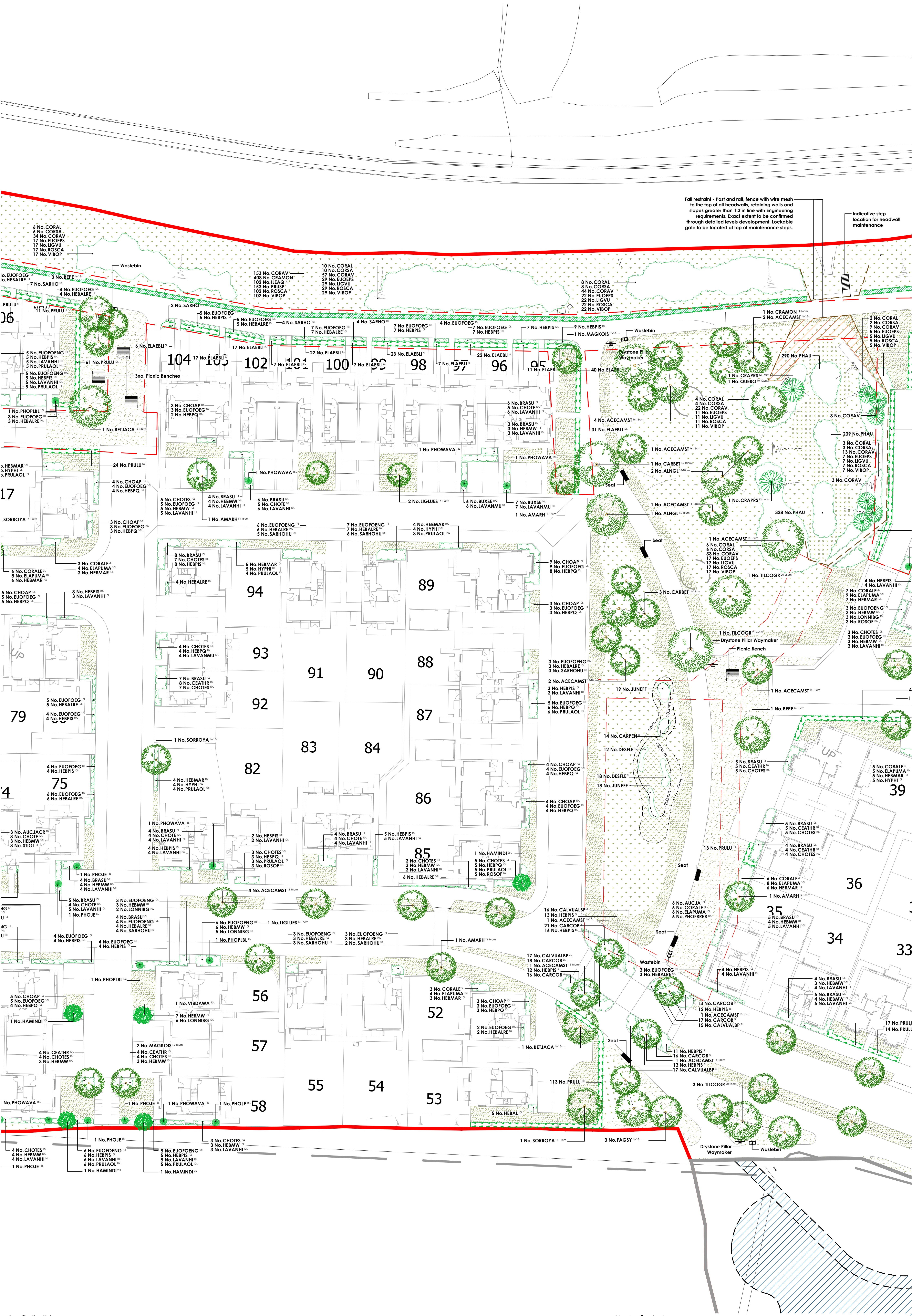




Specification Notes:

All plants shall conform to BS 9334 and be in accordance with the National Plant Specification. Supplying nurseries shall be registered under the HTA Nursery Certification Scheme. All plants shall be packed and transported in accordance with the Code of Practice for Plant Handling as produced by CPSE.

No species, variety, size or position to be amended without the Landscape Architects prior approval.

If the formation level is compacted it should be ripped through before topsoiling. Topsoil depths to be 300mm for shrub beds and 150mm for grass areas.

All landscape proposals must be referred to by the Structural Engineer during foundation design.

All planting has been indicated making every effort to avoid conflict with highway land. Prior to submission it is the client's responsibility to ensure that all landscaping is reviewed by the project manager/highway engineer to ensure there is no conflict with highway land and future adaptations.

Before trees are planted, the Landscape Contractor shall ascertain the location of drains from the site manager, and shall if necessary make minor adjustments to tree positions to ensure that they are planted at least 1.5m from drains. They should however be planted no closer to houses/garages than is shown on the drawing, and if shown located in shrub beds, the shape of the latter should be adjusted if necessary to accommodate the revised tree position.

If planting conditions are particularly poor e.g. waterlogged/frozen ground or poor soils, the Site Manager must be notified. All works will halt until conditions are considered acceptable.

All planting must be mulched to a depth of 75mm and in accordance with horticultural best practice guidelines ensuring plants are not buried.

All bare root stock shall be root dipped in an approved water-retaining polymer. If planting is required outside the October-March season, bare root trees will be replaced by a containerised equivalent to be approved by the project landscape architect.

Planting in pedestrian visibility splay: Any planting stock specified in pedestrian visibility splay and exceeding 0.6m in height is to be cut down to 0.45m in height at the time of planting; it shall be maintained at a height not exceeding 0.6m in height in perpetuity.

Trees: All tree locations and species must be taken into consideration by the project Structural Engineer to ensure that foundation design accords with the specifications set out under Chapter 4.2 of the NBS Standards. It is the Contractor's responsibility to ensure that all underground services have been located and identified in advance of tree pit excavation. No tree species/location/specification will be amended without prior approval from the project landscape architect and/or the Client. Root barriers are to be provided as directed by the project engineer. All trees to be supplied with a minimum 1.8m clear stem unless clearly stated otherwise.

Specimen Shrubs: All specimen shrubs to be planted in accordance with horticultural best practice guidelines. No feature shrub or climbers species, size or location should be altered without prior approval from the Landscape Architect. Planting beds to be mulched with 75mm layer of bark.

Hedgerows: All ornamental hedgerow shrubs to be planted in accordance with horticultural best practice guidelines. No hedgerow shrub species, size or location should be altered without prior approval from the Landscape Architect. Hedgerow shrubs to be planted on a double staggered row at 400mm centres, 300mm apart with no less than 6 per linear metre. Individual species to be planted in groups of 9-18 within the bed. Ground to be cleared, removing all weeds and other debris in advance of planting and cultivated to a fine tilth. If required suitable soil conditions, such as mushroom compost, should be incorporated. Transplanted stock to be planted into an appropriate sized pit or notch and protected using bio-degradable spiral guards (Rainbow Bio-spiral) secured with a 15mm diameter min. bamboo can inserted into the guard and up to a third in its length into the ground. Shrubs are to be planted using a Bio-degradable Tree Shelter Guard and timber stake using natural fibre ties (Hidolast Natural Tree Tie) fitted in accordance with the manufacturers guidelines. Following planting the ground is to be watered to field capacity. Planting beds to be mulched with 75mm layer of bark. Guards and shelters to be supplied Green Tech (www.green-tech.co.uk) or similar.

Amenity Turf & Seeding: All turf and seeding to be completed in line with horticultural best practice. Seed to be applied at the rates (g/m²) advised by manufacturer/supplier. Prior to seeding, ground shall be cultivated to a fine tilth incorporating 150mm of topsoil to finished formation level. All areas shall be free of weed growth prior to turfing/seeding.

Meadow Grassland: All turf and seeding to be completed in line with horticultural best practice. Seed to be applied at the rates (g/m²) advised by manufacturer/supplier. Prior to seeding, all areas shall be stripped of topsoil to provide a nutrient-poor subsoil for meadow establishment. Where ground requires additional soil fill to meet finished formation levels this shall be made up using site-won subsoil. Subsoil shall be cultivated to a suitable tilth and be free of weed growth at point of seeding.

Shrubs & herbaceous: All ornamental and amenity shrubs to be planted in accordance with horticultural best practice guidelines. No shrub species, size or location should be altered without prior approval from the Landscape Architect. Individual species to be planted in groups of 3-7 within mixed species beds. Planting beds to be mulched with 75mm layer of bark.

Native Shrubs: All shrubs to be planted in accordance with horticultural best practice guidelines. The landscape proposals must be referred to by the Structural Engineer during foundation design. No shrub species, size or location should be altered without prior approval from the Landscape Architect. Individual species to be planted in groups of 9-18 within the bed. Ground to be cleared, removing all weeds and other debris in advance of planting and cultivated to a fine tilth. If required suitable soil conditions, such as mushroom compost, should be incorporated. Transplanted stock to be planted into an appropriate sized pit or notch and protected using bio-degradable spiral guards (Rainbow Bio-spiral) secured with a 15mm diameter min. bamboo can inserted into the guard and up to a third in its length into the ground. Shrubs are to be planted using a Bio-degradable Tree Shelter Guard and timber stake using natural fibre ties (Hidolast Natural Tree Tie) fitted in accordance with the manufacturers guidelines. Following planting the ground is to be watered to field capacity. Planting beds to be mulched with 75mm layer of bark. Guards and shelters to be supplied Green Tech (www.green-tech.co.uk) or similar.

Upland Rush & Grass Species: All marginal to be planted in accordance with horticultural best practice guidelines. No marginal species, size or location should be altered without prior approval from the Landscape Architect. Individual species to be planted in groups of 1-2.

Key

- Application Site Boundary
- Existing/Proposed Easement
- Areas of Existing Retained Habitat & Scrub.
- Illustrative LEAP extent/design. Refer to LEAP design drawing produced by Kompan (Ref: EK25296).
- Earth modelling: Gentle scraps to be formed to a depth of 200mm below finished ground level to allow natural accumulations of wet soils for characteristic grass and rush planting.
- Seal: Bio, Blackium Seats as supplied by Broxap (www.broxap.com) or similar approved. Seats to have FSC hardwood timber slats, painted cast iron framework (Colour: Anthracite Grey - RAL 7016) with a roof/extension leg fixing system. Allow for paved platform (min. 100mm offset all around seat) to match adjacent paved surfaces including edge support (PC pin kerb or similar to match edging of adjacent paving).
- Picnic Bench: 4no. Connock Chase Picnic Benches as supplied by Broxap (www.broxap.com) or similar approved. Benches to be painted (Colour: Anthracite Grey - RAL 7016) and to be roof fixed. Allow for paved platform (min. 300mm offset all around bench) to match adjacent paved surfaces including edge support (PC pin kerb or similar to match edging of adjacent paving).
- Waymarker: 1no. Timber finger post as supplied by Broxap (www.broxap.com) or similar approved. Post to be roof fixed. Allow for development of signage content.
- Drystone Pillar Waymarker: 3no. Drystone Pillars constructed using local stone with timber finger post fixed through the centre of the pillar. Finger post to match standalone waymarkers. Detail to be confirmed.
- Wastebins: 6no. Double Westleigh Litter Bins (litter & dog waste) as supplied by Broxap (www.broxap.com) or similar approved. Timber panels to be FSC hardwood timber and steelwork to be painted Anthracite Grey - RAL 7016. Bins to be roof fixed.

Erosion Control

- Pre-seeded Erosion Mat: Covamatt as supplied by Greenfix (www.greenfix.co.uk) to be installed on all bank gradients steeper than 1:3 in line with manufacturer recommendations. Matting to be pre-seeded with the seed mix specified on the landscape proposals.
- Turf & Seeding**
- Turf to plant horticultural to be laid as Rawlin 'Medallion', or similar approved.
- Amenity grass - A22 low maintenance seed mixture, as supplied by Germinall (www.germinallamenity.com) or similar approved.
- Meadow grassland - EM1. Meadow mixture supplied by Emorsgate Seeds (www.wildseed.co.uk) or similar approved.
- Wetland grass mixture - EM8, seed mixture for wetlands, as supplied by Emorsgate Seeds (www.wildseed.co.uk) or similar approved.
- Pond grass mixture - EP1, seed mixture for pond edges, as supplied by Emorsgate Seeds (www.wildseed.co.uk) or similar approved.

Plant Schedule

Abbr	Species	Supply	Size	Girth	Number
CORAV	Corylus avellana	MS-RB	175-200cm		6
QUERO	Quercus robur	Select Standard RB	300-350cm	10-12cm	4
CRAPES	Cotoneaster punctulata 'Splendens'	HSdL RB	330-425cm	12-14cm	2
APPER	Apple Bramley	HSdL RB MM106	330-425cm	12-14cm	3
CARBET	Corpinus betulus	Extra Heavy Standard RB	425-600cm	14-16cm	6
AMARI	Amaranthus caudatus 'Robin Hill'	Extra Heavy Standard RB	425-600cm	14-16cm	1
CRAMON	Cotoneaster monogyna	Extra Heavy Standard RB	425-600cm	14-16cm	4
CARBET	Corpinus betulus 'Fastigiata'	Extra Heavy Standard RB	425-600cm	14-16cm	3
SORROYA	Sorbus aucuparia 'Cardinal Ruby'	Extra Heavy Standard RB	425-600cm	14-16cm	5
LIQUID	Ligustrum lucidum 'Eucalyptus Superstar'	Extra Heavy Standard RB	425-600cm	14-16cm	11
MALTRI	Malus Malbata	Extra Heavy Standard RB	425-600cm	14-16cm	1
ACECAMST	Acer campestre 'Steelweave'	Extra Heavy Standard RB	450-625cm	16-18cm	44
FAVUNA	Fagus sylvatica 'Purpurea'	Extra Heavy Standard RB	425-625cm	16-18cm	3
FAGSY	Fagus sylvatica	Extra Heavy Standard RB	450-625cm	16-18cm	5
BEPE	Betula pendula	Extra Heavy Standard RB	450-625cm	16-18cm	9
MAGKOIS	Magnolia kobus 'SIS'	Extra Heavy Standard RB	450-625cm	16-18cm	8
MALSY	Malus sylvestris	Extra Heavy Standard RB	450-625cm	16-18cm	3
PRUAV	Prunus avium	Extra Heavy Standard RB	450-625cm	16-18cm	5
BETJACA	Betula utilis jacquemontii	Extra Heavy Standard RB	450-625cm	16-18cm	6
CARBET	Corpinus betulus	Extra Heavy Standard RB	450-625cm	16-18cm	4
PRYCACCH	Prunus coccinea 'Chanticleer'	Extra Heavy Standard RB	450-625cm	16-18cm	12
AINGL	Alnus glutinosa	Extra Heavy Standard RB	450-625cm	16-18cm	3
TILCOGR	Tilia cordata 'Green Spike'	Semi-mature RB	550-600cm	20-25cm	6
					Total: 159

Specimen Shrubs

Abbr	Species	Pot Size	Height	Habit	Density	Number
PHOJE	Phoradendron 'Jester'	15L	80-100cm	Tip Cm		4
PHOBL	Phoradendron 'Platts Black'	15L	80-100cm	Tip Cm		5
PHOWAVA	Phoradendron 'Yellow Wave'	15L	80-100cm	Tip Cm		8
PHOCHD	Phoradendron 'Coral Dream'	15L	80-100cm	Tip Cm		8
PHOFREER	Photinia fraseri 'Red Robin'	18L	125-150cm	Bushy		1
VIBDAVA	Viburnum bodnantense 'Dawn'	25L	80-100cm	Bushy		4
HAMINDI	Hamamelis intermedia 'Diane'	25L	125-150cm	Branched		6
						Total: 48

Single Species Hedgerows

Abbr	Species	Pot Size	Height	Habit	Density	Number
PHOJE	Phoradendron 'Jester'	15L	80-100cm	Bushy	0.4Ch	139
PRUAV	Prunus avium	15L	80-100cm	Bushy	0.4Ch	171
BUXSE	Buxus sempervirens	10L	30-40cm	Bushy	0.4Ch	152
ELABEU	Elaeagnus ebbingei 'Limegold'	10L	80-100cm	Bushy	0.4Ch	301
PRUAV	Prunus avium	10L	80-100cm	Bushy	0.4Ch	1586
						Total: 2349

Native Mix Species Hedgerow

Abbr	Species	Supply	Height	Density	Mix %	Number
CORAV	Corylus avellana	1+1:3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	15%	258
CRAMON	Cotoneaster monogyna	1+1:3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	40%	466
LEAQ	Ilex aquifolium	2L:3 Breaks	40-60cm	0.4Ch Double Staggered at 0.4m offset	10%	173
PRUSP	Prunus spinosa	1+1:3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	15%	258
ROSCA	Rosa canina	1+1:3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	15%	173
VIBOP	Viburnum opulus	1+1:3 Breaks	60-80cm	0.4Ch Double Staggered at 0.4m offset	10%	173
						Total: 1721

Shrubs

Abbr	Species	Pot Size	Height	Habit	Density	Number
CALVALBP	Calluna vulgaris 'Alba Piena'	3L	30-40cm	Bushy	0.6Ch	65
CORALE	Cornus alba 'Elegantissima'	3L	60-80cm	Branched	0.7Ch	105
EUPRO	Eurotia rostrata	3L	60-80cm	Full Pot	0.7Ch	14
HEBIS	Hebe pinguifolia 'Sutherland'	3L	30-40cm	Bushy	0.7Ch	77
AUCJA	Aucuba japonica	10L	60-80cm	Bushy	0.7Ch	30
AUCJACR	Aucuba japonica 'Crotolarifolia'	10L	60-80cm	Bushy	0.7Ch	144
AUCJACR	Aucuba japonica 'Crotolarifolia'	10L	60-80cm	Bushy	0.7Ch	7
BRASU	Brodiaea 'Sunshine'	10L	40-60cm	Bushy	0.7Ch	210
BUXSE	Buxus sempervirens	10L	40-60cm	Bushy	0.7Ch	13
CEATHR	Ceanothus thyrsiflorus repens	10L	40-60cm	Bushy	0.7Ch	116
CHOPAP	Chiosy 'Aster Pearl'	10L	40-60cm	Bushy	0.7Ch	107
CHOTE	Chiosy temata 'Sundance'	10L	40-60cm	Bushy	0.7Ch	68
CHOTES	Chiosy temata 'Sundance'	10L	40-60cm	Bushy	0.7Ch	206
ELAPUMA	Elaeagnus pungens 'Maculata'	10L	80-100cm	Bushy	0.7Ch	127
EUFEOENG	Eunymus fortunei 'Emerald n' Gold'	10L	30-40cm	Bushy	0.7Ch	195
EUFEOENG	Eunymus fortunei 'Emerald n' Gold'	10L	30-40cm	Bushy	0.7Ch	287
EUFJABR	Eunymus japonicus 'Brow'	10L	60-80cm	Bushy	0.7Ch	6
FAJA	Fatsia japonica	10L	60-80cm	Bushy	0.7Ch	6
GRUL	Grisebina littoralis	10L	80-100cm	Bushy	0.7Ch	24
HEBEMAR	Hebe marginata	10L	40-60cm	Bushy	0.7Ch	178
HEBEMW	Hebe 'Virens Winter'	10L	40-60cm	Bushy	0.7Ch	144
HEBPQ	Hebe 'Purple Queen'	10L	40-60cm	Bushy	0.7Ch	138
HEBAL	Hebe obconica	10L	30-40cm	Bushy	0.7Ch	32
HEBALRE	Hebe obconica 'Red Edge'	10L	30-40cm	Bushy	0.7Ch	220
HEBIS	Hebe pinguifolia 'Sutherland'	10L	30-40cm	Bushy	0.7Ch	188
HYPH	Hypericum 'Hidolast'	10L	40-60cm	Bushy	0.7Ch	123
LAVANH	Lavandula angustifolia 'Hidolast'	10L	30-40cm	Bushy	0.7Ch	231
LAVANMU	Lavandula angustifolia 'Munstead'	10L	30-40cm	Bushy	0.7Ch	21
LOHNBG	Lonicera nitida 'Baggesen's Gold'	10L	40-60cm	Bushy	0.7Ch	35
PHOFREER	Photinia x fraseri 'Red Robin'	10L	80-100cm	Bushy	0.7Ch	30
PRULACL	Prunus lauro-cerasus 'Otto Luyken'	10L	60-80cm	Bushy	0.7Ch	173
ROSCA	Rosa canina	10L	40-60cm	Bushy	0.7Ch	40
SARHO	Sarcococca hookeriana	10L	30-40cm	Bushy	0.7Ch	33
SAROHU	Sarcococca humilis	10L	30-40cm	Bushy	0.7Ch	92
SLURAU	Slammia japonica 'Rubra'	10L	40-60cm	Bushy	0.7Ch	20
STIGI	Stipa gigantea	10L	Full Pot			17
						Total: 3416

Grasses

Abbr	Species	Pot Size	Density	Number
CARCOS	Carex comans 'Bronze'	3L	0.6Ch	101
				Total: 101

Native Shrub Mix

Abbr	Species	Supply	Height	Mix	Density	Area	Number
CORAL	Cornus alba	1+1:3 Breaks	60-80cm	5%	1Ch	88.43m ²	100
CORSA	Cornus sanguinea	1+1:3 Breaks	60-80cm	5%	1Ch	88.43m ²	100
CORAV	Corylus avellana	1+1:3 Breaks	60-80cm	30%	1Ch	520.51m ²	539
EUFOPS	Eunymus europaeus	1+1:3 Breaks	60-80cm	15%	1Ch	265.26m ²	274
LIQUV	Ligustrum vulgare	1+1:3 Breaks	60-80cm	15%	1Ch	265.26m ²	274
ROSCA	Rosa canina	1+1:3 Breaks	60-80cm	15%	1Ch	265.26m ²	274
VIBOP	Viburnum opulus	1+1:3 Breaks	60-80cm	15%	1Ch	265.26m ²	274
							Total: 1768.41m ²

Upland Rush & Grass Species

Abbr	Species	Supply	Pot Size	Density	Number
CARBET	Corpinus betulus	Bushy	1L	3/m ²	39
DESLE	Deschampsia flexuosa	Bushy	1L	3/m ²	49
JUNEEF	Juncus effusus	Bushy	1L	3/m ²	99
					Total: 187

Swale Planting

Abbr	Species	Supply	Density	Number
PHAU	Phragmites australis	1000x Plugs	10/m ²	857
				Total: 857

Location Plan

Revision table:

Rev	Date	Description
Rev A	13/02/2020	POC & POCs needed to include
Rev B	09/03/2020	POC & POCs needed to include
Rev C	20/03/2020	POC & POCs needed to include
Rev D	29/03/2020	POC & POCs needed to include

Client: Visit Partnerships (Yorkshire)

Scale: 1:250 @ A0

Date: 23/08/2020

Drawn: AF

Checked: DC

Number/Sign: GL1835 030

Project: Hollin Bank, Littleborough

Soft Landscaping Proposals

Sheet 04 of 4