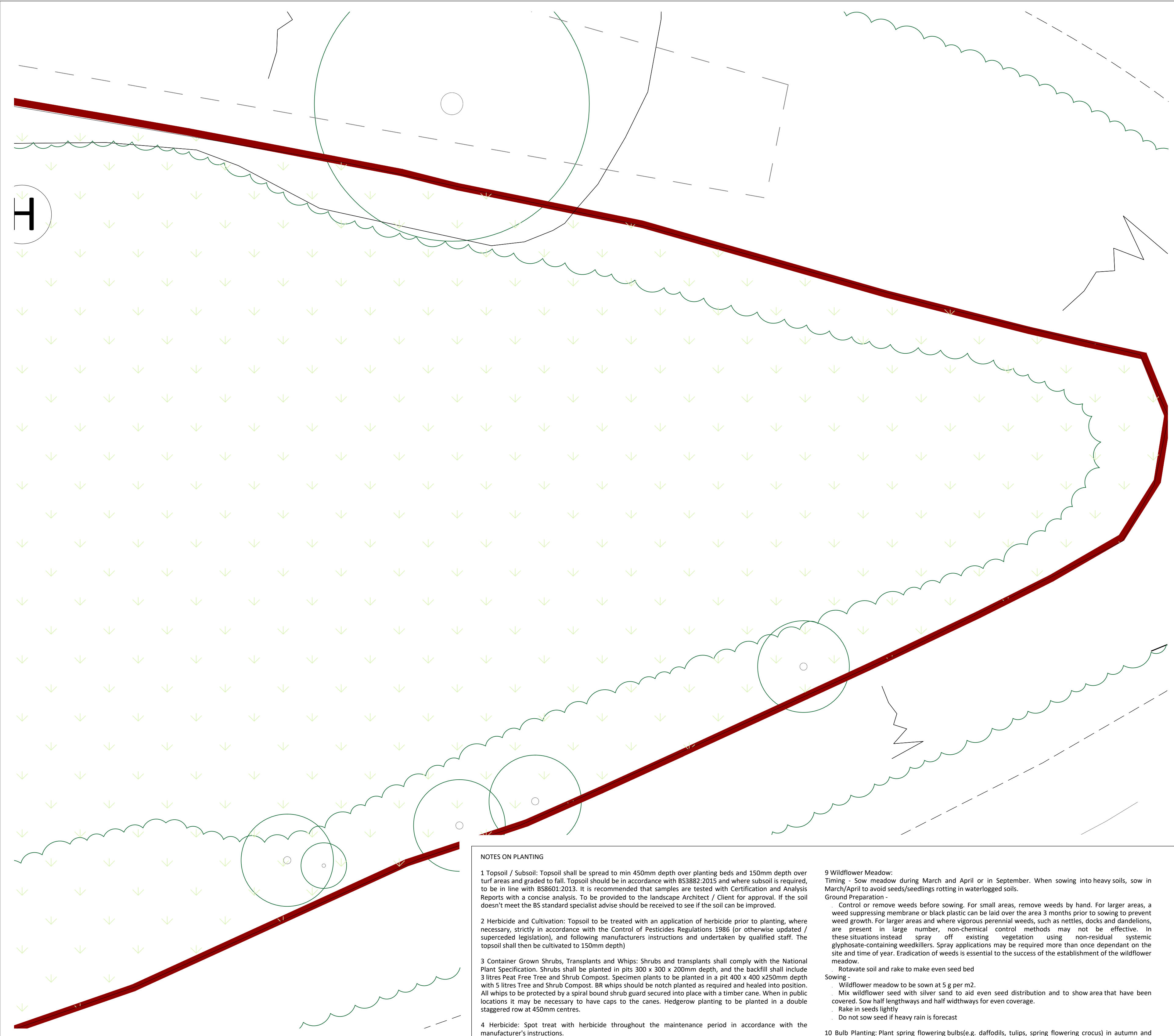




NOTES ON PLANTING

1 Topsoil / Subsoil: Topsoil shall be spread to min 450mm depth over planting beds and 150mm depth over turf areas and graded to fall. Topsoil should be in accordance with BS3882:2015 and where subsoil is required, to be in line with BS5601:2013. It is recommended that samples are tested with Certification and Analysis Reports with a concise analysis. To be provided to the landscape Architect / Client for approval. If the soil doesn't meet the BS standard specialist advice should be received to see if the soil can be improved.

2 Herbicide and Cultivation: Topsoil to be treated with an application of herbicide prior to planting, where necessary, strictly in accordance with the Control of Pesticides Regulations 1986 (or otherwise updated / superceded legislation), and following manufacturers instructions and undertaken by qualified staff. The topsoil shall then be cultivated to 150mm depth)

3 Container Grown Shrubs, Transplants and Whips: Shrubs and transplants shall comply with the National Plant Specification. Shrubs shall be planted in pits 300 x 300 x 200mm depth, and the backfill shall include 3 litres Peat Free Tree and Shrub Compost. Specimen plants to be planted in a pit 400 x 400 x250mm depth with 5 litres Tree and Shrub Compost. BR whips should be notch planted as required and healed into position. All whips to be protected by a spiral bound shrub guard secured into place with a timber cane. When in public locations it may be necessary to have caps to the canes. Hedgerow planting to be planted in a double staggered row at 450mm centres.

4 Herbicide: Spot treat with herbicide throughout the maintenance period in accordance with the manufacturer's instructions.

5 Bark Mulch: All Ornamental Planting beds to receive 75mm depth pulverised ornamental bark mulch. Trees to receive 0.6m dia bark mulch circle if planted in grass areas.

6 Position of Plants: Final position of trees and shrubs subject to confirmation of service location and approval of statutory undertakers.

7 On excavation of the tree pit a bucket test should be undertaken to review the water infiltration. Certain species of trees will decline if the ground drainage is poor. Monitor the water egress. If water sits for long periods or doesn't drain the pit may require further works to break up the ground. A clean stone drainage layer may assist to ensure that the root ball isn't sat within standing water.

TREES - EXTRA HEAVY STANDARDS Tree pits for extra heavy standards to be 600x600x600mm backfilled with sub soil and 300mm topsoil. Stakes to be 65mm diameter treated softwood driven firmly into the ground. Stakes to be 600mm above ground level and fixed to tree with suitable rubber tree tie. Add in 100mm depth clean stone gravel at the base of the tree pit to aid with drainage.

TREES - MULTI STEMMED: Tree pits for multi-stemmed trees to be 600x600x600mm backfilled with sub soil and 300mm of topsoil. To be secured with a double stake and crossbar. Stakes to be 65mm diameter treated softwood driven firmly into the ground. Stakes to be 600mm above ground level and fixed to several tree branches with suitable rubber tree ties.

8 Watering: Plant only into moist soil and water thoroughly to the full depth of soil immediately after planting. Water regularly through the establishment period (minimum 3 months) to prevent dehydration. The trees should be watered through the irrigation pipe to ensure that the water gets down to the rootball. These trees should be watered regularly throughout spring-summer during the first 2 years to ensure that the tree root system establish well.

9 Wildflower Meadow: Timing - Sow meadow during March and April or in September. When sowing into heavy soils, sow in March/April to avoid seeds/seedlings rotting in waterlogged soils.

Ground Preparation - Control or remove weeds before sowing. For small areas, remove weeds by hand. For larger areas, a weed suppressing membrane or black plastic can be laid over the area 3 months prior to sowing to prevent weed growth. For larger areas and where vigorous perennial weeds, such as nettles, docks and dandelions, are present in large number, non-chemical control methods may not be effective. In these situations instead spray off existing vegetation using non-residual systemic glyphosate-containing weedkillers. Spray applications may be required more than once dependant on the site and time of year. Eradication of weeds is essential to the success of the establishment of the wildflower meadow. Rotavate soil and rake to make even seed bed

Sowing - Wildflower meadow to be sown at 5 g per m2. Mix wildflower seed with silver sand to aid even seed distribution and to show area that have been covered. Sow half lengthways and half widthways for even coverage. Rake in seeds lightly Do not sow seed if heavy rain is forecast

10 Bulb Planting: Plant spring flowering bulbs(e.g. daffodils, tulips, spring flowering crocus) in autumn and autumn flowering (e.g. autumn crocus, cyclamen) bulbs in late summer. Plant bulbs at 8 per m2 if planted within a planting bed and at 16 per m2 if planted within the lawn. Plant bulbs at a depth 2-3 times their height with the shoot facing upwards. Refill the holes and lightly compact soil to avoid damaging bulbs.

11 Turf: Complete ground preparations before turf is delivered to site to avoid turf drying out. Turf should be laid immediately on delivery. Remove all existing vegetation from area to be turfed and spread 150mm depth of top soil. Dig over or rotavate soil before laying turf if soil is compacted. Rake, lightly compact, and water soil. Stagger the joints when laying the turf. Water turf after laying and every day for the next 2-3 weeks, especially in periods of low rainfall.

12 Soil compaction is likely to have occurred during construction on site. A site inspection should be carried out by a landscape professional to assess the level of soil compaction, including drainage testing to see if the ground is likely to become waterlogged. If the ground is deemed to be too compacted for plant growth and to drain adequately then remediation works should be carried out. This could include rotavation of the soil using a push along rotavator and/or ground being broken up with spades or small machinery. A second site inspection should then take place to ensure that the soil is fit for purpose.

Planting Schedule (Individual)										
Nr	Code	Plant Name	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2
85	A cm	Allium ampeloprasum						Native	Bulb	8.00
133	As	Allium sphaerocephalon							Bulb	8.00
181	Gn	Galanthus nivalis						Native	Bulb	8.00
223	Gn - l	Galanthus nivalis - l						Native	Bulb	16.00
37	Nic ps	Narcissus pseudonarcissus						Native	Bulb	8.00
144	Nic ps - l	Narcissus pseudonarcissus - l						Native	Bulb	16.00

Climber										
Nr	Code	Plant Name	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2
7	Hdr H	Hedera helix	80-100cm				C	SL	Native	Climber
7	Jam of	Jasminum officinale	80-100cm				C	SL		Climber
32	Lnc pm	Lonicera periclymenum	80-100cm				C	SL	Native	Climber
14	RGG	Rosa 'Generous Gardener'	80-100cm				C	SL		Climber
12	Tr j	Trachelospermum jasminoides	80-100cm				C	SL		Climber

Hedge										
Nr	Code	Plant Name	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2
88	Txs bc H	Taxus baccata - Hedge	80-100cm				C	10L	Native	4.00

Herbaceous										
Nr	Code	Plant Name	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2
25	Aj rep	Ajuga reptans	10-15cm				C	3L	Native	5.00
34	BBW	Bergenia 'Bressingham White'	30-40cm				C	3L		5.00
29	Bic sp	Blechnum spicant	20-25cm				C	3L	Native	5.00
6	CcWC	Campanula carpatica 'White Clips'	30-40cm				C	3L		5.00
27	Cm np	Campanula nepela	30-40cm				C	3L	Native	5.00
13	Cmp g	Campanula glomerata	15-20cm				C	3L	Native	5.00
55	Cnl rb	Centranthus ruber	15-20cm				C	3L	Native	5.00
35	Dryp	Dryopteris filix-mas	30-40cm				C	3L	Native	5.00
34	EpWS - s	Echinacea 'White Swan' - s	20-30cm				C	3L		Specimen
18	ErVB	Echinops ruthenicus 'Velvet's Blue'	25-30cm				C	3L		5.00
28	Eup cn	Eupatorium cannabinum	30-40cm				C	3L	Native	4.00
69	GJB	Geranium 'Johnson's Blue'	30-40cm				C	3L		5.00
5	Hst pl G	Hasta plantaginea 'Grandiflora'	30-40cm				C	SL		Specimen
23	LmlLB	Lilae muscat 'Lilac Beauty'	30-40cm				C	3L		5.00
29	Lth sl	Lythrum salicaria	20-30cm				C	3L	Native	5.00
27	Org vg	Origanum vulgare	15-20cm				C	3L	Native	5.00
31	Prs bs	Periscaria bistorta	20-25cm				C	3L	Native	5.00
48	SAJ	Sedum spectabile 'Autumn Joy'	20-30cm				C	3L		5.00
80	Sir at	Sesleria autumnalis	20-30cm				C	3L		5.00

Shrub										
Nr	Code	Plant Name	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2
23	AcB JR	Aucuba japonica 'Rozanne'	30-40cm							4.00
48	Chay AP	Chaeya 'Aster Peaf'	30-40cm				C	3L	Buhy	4.00
2	CoSa - s	Cornus sanguinea - s	40-80cm				C	10-15L	branched	Specimen
4	CI	Chaeya lemota	40-80cm				C	10-15L	Buhy	Specimen
34	DaA	Daphne odora 'Aureomarginata'	30-40cm				C	3L		4.00
28	DxL EF	Daphne x transatlantica 'Eternal Fragrance'	30-40cm				C	3L		4.00
18	EFG	Euonymus fortunei 'Emerald Gaiety'	20-25cm				C	3L	Buhy	4.00
51	HGO	Hebe 'Great Orme'	30-40cm				C	3L		4.00
3	HmBW	Hydrangea macrophylla 'Blue Wave'	40-80cm				C	10-15L		Specimen
22	Hpl	Hydrangea panicula 'Limelight'	40-80cm				C	10-15L		Specimen
62	HWG	Hebe 'White Gem'	30-40cm				C	3L	Buhy	4.00
67	LdH	Lavandula angustifolia 'Hidcote'	30-40cm				C	3L	Buhy	4.00
52	LNA	Lavandula angustifolia 'Nana Alba'	30-40cm				C	SL	Buhy	4.00
33	PIOL	Prunus laurocerasus 'Otto Luyken'	40-60cm				C	SL	Buhy	4.00
2	REV	Rosa 'Eustacia Vye'	50-60cm				C	10-15L	Buhy	Specimen
44	RhCB	Rhododendron 'Bloombox'	25-30cm				C	3L		4.00
60	RoMJ	Rosmarinus officinalis 'Miss Jessop's Joy'	30-40cm				C	3L	Buhy	4.00
14	RtDs	Rosa 'Desdemona'	50-60cm				C	10-15L	Buhy	Specimen
41	SaTG	Spiraea betulifolia 'Tor Gold'	30-40cm				C	3L	Buhy	4.00
56	SJR	Skimmia japonica 'Rubella'	30-40cm				C	3L	Buhy	4.00
47	SkKG	Skimmia confusa 'Kew Green'	30-40cm				C	3L	Buhy	4.00
9	SMP	Syringa meyeri 'Palatin'	50-60cm				C	10-15L		Specimen
100	Src Hk	Sarcococca hookeriana digyna	30-40cm			1/1	C	3L		4.00
3	Vb op - s	Viburnum opulus - s	100-125cm			0/1	B		Native	Specimen
22	Vd	Viburnum davidii	30-40cm				C	3L	Native	4.00
6	Vd - s	Viburnum davidii - s	40-80cm				C	10-15L	Native	Specimen
14	VmV	Vinca major 'Variegata'	30-40cm				C	3L		4.00

Planting Schedule (Mix)										
Mix A										
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Density/m2
34	Ahl ml	Achillea millefolium	33.33 %	20-30cm			C	3L	Native	5.00
34	PrvBS	Perovskia 'Blue Spire'	33.33 %	20-30cm			C	3L		5.00
34	Vr bn	Verberna bonariensis	33.33 %	20-30cm			C	3L		5.00

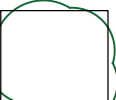
Mix B										
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Density/m2
17	En vg - b	Echium vulgare - b	25.00 %	20-30cm			C	3L	Native	5.00
21	EpWS - b	Echinacea purpurea 'White Swan' - b	30.00 %	20-30cm			C	3L		5.00
31	Sil at - b	Sesleria autumnalis - b	45.00 %	20-30cm			C	3L		5.00

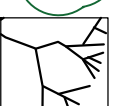
Native Herbaceous Mix										
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Density/m2
41	Aig rp - m	Ajuga reptans - m	10.00 %	10-15cm			C	3L		5.00
102	Bic sp - m	Blechnum spicant - m	25.00 %	20-25cm			C	3L		5.00
82	Drp fm - m	Dryopteris filix-mas - m	20.00 %	30-40cm			C	3L		5.00
61	Gal od	Galium odoratum	15.00 %	10-15cm			C	3L		5.00
61	Gm mc	Geranium maculatum	15.00 %	20-30cm			C	3L		5.00
20	Pip vg	Polypodium vulgare	5.00 %	10-15cm			C	3L		5.00
41	Prs bs - m	Periscaria bistorta - m	10.00 %	20-30cm			C	3L		5.00

Native Shrub Mix										
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Density/m2
579	Crms sn - s	Cornus sanguinea - s	30.00 %	60-80cm			1/1	B	Branched	2.00
386	Crtg mn - s	Crataegus monogyna - s	20.00 %	60-80cm			1/0	B		2.00
386	Eun eu - s	Euonymus europaeus - s	20.00 %	60-80cm				B		2.00
386	Smb n - s	Sambucus nigra - s	20.00 %	60-80cm				B	Branched	2.00
193	Vb op - s	Viburnum opulus - s	10.00 %	60-80cm			1/1	B	Native	2.00

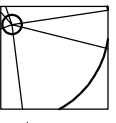
TPM Native Hedgerow Mix										
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Density/m2
108	Crtg mn	Crataegus monogyna	40.00 %	60-80cm			1/0	B		1.00
55	Cryls av	Corylus avellana	20.00 %	60-80cm			C	3L	Branched	1.00
27	Il aq	Ilex aquifolium	10.00 %	60-80cm			C	4L	Leader/Lateralis	1.00
55	Prns sp	Prunus spinosa	20.00 %	60-80cm			1/1	B	Branched	1.00
27	Rc cn	Rosa canina	10.00 %	30-40cm				B		1.00

LEGEND

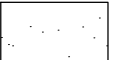
 **Existing Trees/Shrubs to be Retained**
Trees to be retained and protected in line with BS5837:2012.

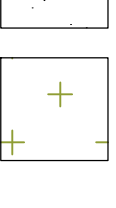
 **Proposed Medium Native Trees**
To be 14-16cm girth, Extra Heavy Standard. E.g Betula pendula, Sorbus aucuparia.

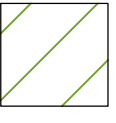
 **Proposed Native Trees**
Located along the boundaries to provide instant impact. To be 14-16cm girth, Extra Heavy Standard. E.g Betula pendula, Sorbus aucuparia.

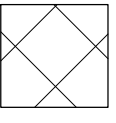
 **Proposed Small Ornamental Tree**
Fruiting, blossoming trees, Selected Standard, 10-12cm girth, 2.5-3.5m height or multi-stem specimen.

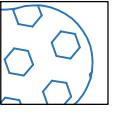
 **Proposed Wildlife Friendly Planting**
Proposed shrubs and flowering herbaceous to be a mix of native and ornamental species. To be planted as 3-5L pots at 3-5 per sq.m, with individual specimen shrubs and climbers.

 **Proposed Amenity Grass**  **Existing Grassland to be Retained**

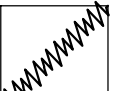
 **Proposed Grassland Creation**
To be EH1 Hedgerow Mixture, supplied by Emorsgrove or similar approved. Including 80% of slow growing grasses and 20% of native wild flowers. Sowing rate 5/gm2.

 **Proposed Low Native Planting**
Proposed native shrubs, herbaceous and bulbs to be planted as 3-5L pots at 3-5 per sq.m, with individual specimen shrubs.

 **Proposed Native Scrub Enhancement**
Planting mix to provide breeding and foraging opportunities. To be whip planting, 60-80cm height, planted at 2 plants per sq.m.

 **Proposed Bulb Planting**
Bulbs to provide seasonal interest and attract wildlife. To be planted at 16/m2 within lawn and 8/m2 withinga planting bed.

 **Proposed Species Rich Native Hedgerow**
Proposed native hedge to be 100-125cm height planted in a double staggered row at 450mm apart. Proposed in locations that continue to provide linear habitat connections across the site. To have minimum 5 species.

 **Proposed Low Evergreen Hedge**
To be 40cm height planted at 4 per sq. m. for instant impact.

GENERAL NOTES