Plant schedule

Trees				
Number	Species	Girth	Height	Specification
2 No.	Acer campestre 'Streetwise'	14-16cm		Extra Heavy Standard
3 No.	Amelanchier 'Robin Hill'		3.5m	Multi-Stemmed
4 No.	Malus baccata 'Street Parade'	10-12cm		Selected Standard
7 No.	Prunus 'Amanogawa'		3.5m	Feather
1 No.	Sorbus aucuparia 'Edulis'	14-16cm		Extra Heavy Standard
3 No.	Sorbus aucuparia 'Golden Wonder'	14-16cm		Extra Heavy Standard
Total :20 No.				

Hedges			
Number	Species	Height	Specification	Density
483 No.	Prunus laurocerasus 'Rotundifolia'	Selected to 90cm	Bushy ;3 brks: Single row	4/m
54 No.	Taxus baccata	Selected to 600mm	Bushy	4/m
Total :537 No.				

Shrubs			
Number	Species	Pot Size	Density
19 No.	Cotinus coggygria 'Nottcut's Variety'	3L	4/m²
17 No.	Cotinus coggygria 'Royal Purple'	3L	4/m²
13 No.	Hebe 'Mrs Winder'	3L	3/m²
8 No.	Hydrangea 'Annabelle'	5L	No.
70 No.	Lavandula 'Hidcote'	3L	4/m²
12 No.	Phormium tenax 'Purpureum'	5L	3/m²
23 No.	Rosa 'Bonica'	5L	4/m²
4 No.	Rosa iceberg	5L	No.
51 No.	Rosa rugosa Hansa	5L	4/m²
46 No.	Salvia officinalis 'Purpurascens'	3L	4/m²
11 No.	Sarcococca hookeriana digyna	5L	4/m²
14 No.	Sarcococca ruscifolia	3L	3/m²
Total :288 No.			

Herbaceous			
Number	Species	Pot Size	Density
142 No.	Anemone 'Honorine Jobert'	1L	6/m²
21 No.	Anemone vitifolia	1L	6/m²
214 No.	Bergenia 'Purpurea'	1L	8/m²
15 No.	Euphorbia amygdaloides 'Purpurea'	1L	8/m²
95 No.	Euphorbia amygdaloides robbiae	1L	8/m²
16 No.	Euphorbia characas wulfenii	2L	5/m²
82 No.	Helleborus corsicus	1L	6/m²
9 No.	Hosta sieboldiana	1L	8/m²
111 No.	Iris foetidissima ctrina	1L	8/m²
24 No.	Kniphofia caulescens	3L	No.
158 No.	Nepeta 'Six Hills Giant'	1L	6/m²
15 No.	Nepeta faassenii	1L	8/m²
14 No.	Phlox paniculata 'White Admiral'	1L	5/m²
15 No.	Polygonum bistorta 'Superba'	1L	8/m²
Total :931 No.			

Ferns			
Number	Species	Pot Size	Density
16 No.	Dryopteris filix-mas	2L	5/m²
Total :16 No.			

Bed 1
9 No. Hosta sieboldiana

Bed 2
15 No. Polygonum bistorta 'Superba'
Spot
1 No. Hydrangea 'Annabelle'

Bed 3
15 No. Euphorbia amygdaloides 'Purpurea'

Bed 4
8 No. Helleborus corsicus

Bed 5
17 No. Helleborus corsicus
Spot
1 No. Hydrangea 'Annabelle'

Bed 6
81 No. Anemone 'Honorine Jobert'
Spot
2 No. Hydrangea 'Annabelle'
Spot
9 No. Kniphofia caulescens

Bed 7
13 No. Cotinus coggygria 'Nottcut's Variety'

Bed 8
17 No. Rosa rugosa Hansa

Bed 9
7 No. Salvia officinalis 'Purpurascens'
Spot
1 No. Hydrangea 'Annabelle'

Bed 10
43 No. Bergenia 'Purpurea'
Spot
2 No. Hydrangea 'Annabelle'

Bed 11
8 No. Phormium tenax 'Purpureum'

Bed 12
18 No. Rosa 'Bonica'

Bed 13
54 No. Nepeta 'Six Hills Giant'

Bed 14
59 No. Lavandula 'Hidcote'
Spot
12 No. Kniphcfia caulescens

Bed 15
34 No. Nepeta 'Six Hills Giant'

Bed 16
13 No. Iris foetidissima citrina

Bed 17
16 No. Helleborus corsicus

Bed 18
11 No. Anemone vitifolia
Spot
2 No. Rosa iceberg

Bed 19
7 No. Bergenia 'Purpurea'

Bed 20
5 No. Dryopteris filix-mas
Spot
1 No. Rosa iceberg

Bed 21
13 No. Iris foetidissima citrina

Bed 22
6 No. Anemone 'Honorine Jobert'

Bed 23
8 No. Helleborus corsicus
Spot
1 No. Hydrangea 'Annabelle'

Bed 24
10 No. Anemone vitifolia

Bed 25
10 No. Bergenia 'Purpurea'

Bed 26
6 No. Dryopteris filix-mas
Spot
1 No. Rosa iceberg

Bed 27
13 No. Iris foetidissima citrina

Bed 28
7 No. Anemone 'Honorine Jobert'

Bed 29
16 No. Bergenia 'Purpurea'

Bed 30
5 No. Hebe 'Mrs Winder'

Bed 31
14 No. Anemone 'Honorine Jobert'

Bed 32
11 No. Lavancula 'Hidcote'

Bed 33
9 No. Bergenia 'Purpurea'

Bed 34
7 No. Euphorbia characias wulfenii

Bed 35
9 No. Phlox paniculata 'White Admiral'

Bed 36
5 No. Sarcococca hookeriana digyna

Bed 37
15 No. Bergenia 'Purpurea'

Bed 38
15 No. Nepeta faassenii

Bed 39
17 No. Bergenia 'Purpurea'

Bed 40
6 No. Cotinus coggygria 'Nottcut's Variety'

Bed 41
5 No. Rosa 'Bonica'

Bed 42
4 No. Phormium tenax 'Purpureum'

Bed 43
4 No. Sarcococca ruscifolia

Bed 44
14 No. Iris foetidissima citrina

Bed 45
13 No. Euphorbia amygdaloides robbiae

Bed 46
11 No. Anemone 'Honorine Jobert'

Bed 47
13 No. Bergenia 'Purpurea'

Bed 48
35 No. Bergenia 'Purpurea'

Bed 49
45 No. Euphorbia amygdaloides robbiae

Bed 50
8 No. Anemone 'Honorine Jobert'

Bed 51
4 No. Hebe 'Mrs Winder'

Bed 52
5 No. Dryopteris filix-mas

Bed 53
9 No. Anemone 'Honorine Jobert'

Bed 54
6 No. Helleborus corsicus

Bed 55
9 No. Euphorbia characias wulfenii

Bed 56
15 No. Bergenia 'Purpurea'

Bed 57
6 No. Sarcococca hookeriana digyna

Bed 58
17 No. Salvia officinalis 'Purpurascens'

Bed 59
70 No. Nepeta 'Six Hills Giant'
Spot
3 No. Kniphofia caulescens

Bed 60
34 No. Rosa rugosa Hansa

Bed 61
22 No. Salvia officinalis 'Purpurascens'

Bed 62
17 No. Cotirus coggygria 'Royal Purple'

Bed 63
4 No. Sarcococca ruscifolia

Bed 64
13 No. Iris foetidissima citrina

Bed 65
9 No. Helleborus corsicus

Bed 66
9 No. Euphorbia amygdaloides robbiae

Bed 67
12 No. Iris foetidissima citrina

Bed 68
15 No. Bergenia 'Purpurea'

Bed 69
12 No. Euphorbia amygdaloides robbiae

Bed 70
3 No. Sarcococca ruscifolia

Bed 71
11 No. Iris foetidissima citrina

Bed 72
8 No. Helleborus corsicus

Bed 73
7 No. Euphorbia amygdaloides robbiae

Bed 74
9 No. Iris foetidissima citrina

Bed 75
12 No. Bergenia 'Purpurea'

Bed 76
9 No. Euphorbia amygdaloides robbiae

Bed 77
6 No. Anemone 'Honorine Jobert'

Bed 78
4 No. Hebe 'Mrs Winder'

Bed 79
5 No. Phlox paniculata 'White Admiral'

Bed 80
3 No. Sarcococca ruscifolia

Bed 81
10 No. Helleborus corsicus

Bed 82
13 No. Iris foetidissima citrina

Bed 83
7 No. Bergenia 'Purpurea'

Hedge schedule

H1
19 No. Taxus baccata

H2
11 No. Taxus baccata

H3
12 No. Taxus baccata

H4
12 No. Taxus baccata

H5
48 No. Prunus laurocerasus 'Rotundifolia'

H6
42 No. Prunus laurocerasus 'Rotundifolia'

H7
47 No. Prunus laurocerasus 'Rotundifolia'

H8
21 No. Prunus laurocerasus 'Rotundifolia'

H9
28 No. Prunus laurocerasus 'Rotundifolia'

H10
36 No. Prunus laurocerasus 'Rotundifolia'

H11
34 No. Prunus laurocerasus 'Rotundifolia'

H12
39 No. Prunus laurocerasus 'Rotundifolia'

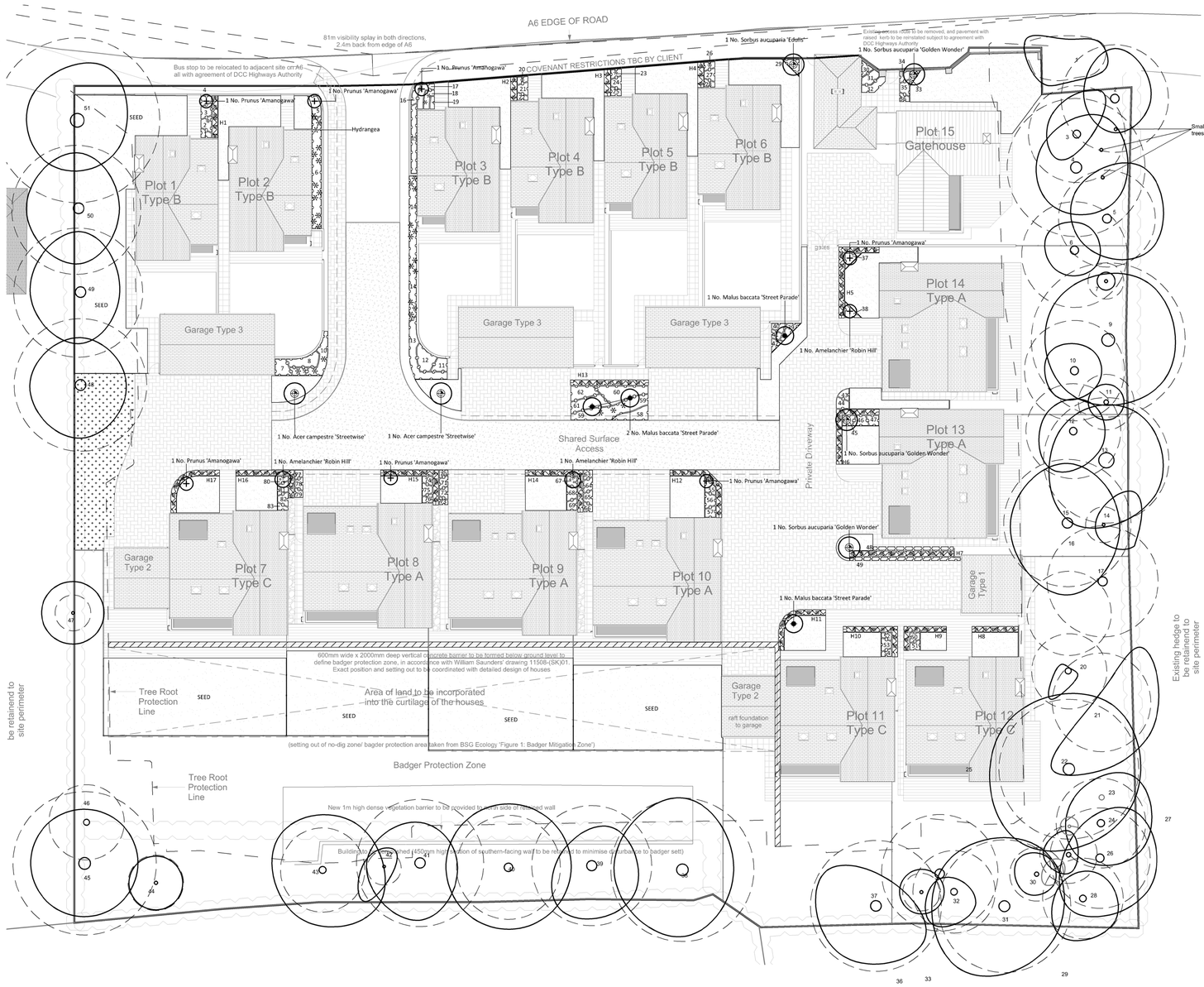
H13
35 No. Prunus laurocerasus 'Rotundifolia'

H14
43 No. Prunus laurocerasus 'Rotundifolia'

H15
39 No. Prunus laurocerasus 'Rotundifolia'

H16
37 No. Prunus laurocerasus 'Rotundifolia'

H17
34 No. Prunus laurocerasus 'Rotundifolia'



Key
SF Soft Landscaping

- Grass - turf
- Grass - seed
- Proposed ornamental planting
- Proposed hedge
- Proposed tree feathered
- Proposed tree select standard 10-12cm girth
- Proposed tree extra heavy standard 14-16cm girth
- Proposed tree multi stemmed
- Spot planting
- Proposed wildflower seed

Planting specification

Topsoil

Shrub areas are to receive topsoil minimum 450mm depth after compaction. Grass areas to receive minimum 150mm depth after compaction. Imported topsoil if required is to be Greentech gt Green-Tree Topsoil or equal approved. Tel. 01423 331100. No compost amelioration and fertilizer is required with this topsoil type.

Trees

Trees shall be set in pits 900mm dia x 900mm depth, backfilled with a mixture of approved topsoil and tree and shrub planting compost at the rate of one part compost to two parts topsoil and 70 -140g/m² Osmocote, Scotmilen Rots 15-8-9 + 3% MgO granular controlled release, or similar approved.
Each tree shall be pinned to the original depth and secured by two stakes 1.4m in length and a timber cross bar with soft rubber block and bidding. After planting all trees shall be watered in and a mulch layer of Ornamental Bark Mulch 5-35mm with minimal dust and fines and less than 5% wood content spread over the tree pit to 50mm depth. Allow one clear spiral guard and one 2.5m x 35mm watering pipe with inlet finished neatly above level of mulch.

Shrub planting

PLANTS - GENERAL
- Condition: Materially undamaged, sturdy, healthy and vigorous.
- Appearance: Of good shape and without elongated shoots.
- Hardiness: Grown in a suitable environment and hardened off.
- Health: Free from pests, diseases, discolouration, weeds and physiological disorders.
- Budded or grafted plants: Bottom worked.
- Root system and condition: To requirements of National Plant Specification and balanced with branch system.

All shrubs shall be set out to the positions shown on the drawing and to the densities given. All stock shall comply with the specification provided on the drawing. Plants unobtainable or known to be likely to be unobtainable at time of ordering: Submit alternatives, stating: Price: difference from specified plants/ trees. Obtain approval before making any substitution.
Specimen shrubs to be set in 750 x 750mm pits and backfilled with topsoil, compost and fertilizer mix at a rate as for the trees.
All shrub beds shall be topped up with good quality topsoil to ensure 450mm planting depth the base ground being thoroughly broken up before placement. Tree and shrub planting compost shall be spread to a minimum depth of 50mm and in addition evenly spread, 70 -140g/m² Osmocote, Scotmilen Plots 15-9-9 + 3% MgO granular controlled release, or similar approved, thoroughly working in during cultivation.
Excavate shrub planting pits 1 day (maximum) before planting. Their size should be 150 mm wider than roots when fully spread. Backfill with excavated material.
After planting thoroughly water immediately without damaging or displacing plants or soil.
Lightly firm soil around plants and fork and/ or rake soil, to a fine tilth with gentle cambers and no hollows.
Avoid damaging plants. Mulch planting all beds to a depth of 75mm with ornamental Bark Mulch 5-35mm with minimal dust and fines and less than 5% wood content. The mulch should be free of pests, disease, fungus and weeds.

Hedges

Hedge trenches shall be dug 450mm x 450mm x 450mm the base of which shall be broken up prior to returning the backfill mixture. This shall comprise two parts topsoil to one part tree and shrub planting compost. Stock shall be planted at the distances given in the schedules in two staggered rows. All stock shall be planted to the root collar and well firmed in place. After planting, a 50mm layer of Malcourt ornamental bark or equal approved shall be spread over the trench to a 1m width. All stock shall be thoroughly watered in.

Turfing

Rolawn Medallion® Turf
Available from www.rolawn.co.uk or similar and approved.

All areas to be turfed shall be topsoiled to a minimum depth of 150mm over ground free of compaction by cultivation. The soil shall be fine graded to even running falls and cross raked to form a fine tilth. Before turfing an approved pre-turfing fertilizer shall be applied in accordance with the manufacturer's instructions. All edges to shrub beds will be clearly cut with an edging iron, arisings removed from site.

Grass seeding

Johnsons General Purpose lawn seed sown at 35-50g/m²
Available from www.johnsonsseed.com or similar and approved.

All areas to be seeded shall be topsoiled to a minimum depth of 150mm over ground free of compaction by cultivation. The soil shall be fine graded to even running falls and cross raked to form a fine tilth.
Broadcast at rate to 5g/m² bullking seeding rates with 4 parts silica sand to one part seed by weight. Rake/harrow seed mix into the soil to a maximum depth of 50mm.

Wildflower Seed

John Chambers Pro Heritage Butterfly Meadow Mix 80/20 mix
Product code – 130JC4113 or similar and approved

Sowing rate: 3-5g/m²
Contains: 20% Wild Flowers

Wildflower	%
Vetch; Common	1.76
Scabious; Field	1.33
Knapweed; Greater	1.06
Penny; Wild or Hearteaseo	1.06
Viper's Bugloss	1.06
Clover; Red	0.98
Medick; Black	0.88
Melilot; Yellow or Ribbed	0.88
Mustard; Garlic	0.88
Soapwort	0.88
Vetch; Kidney	0.88
Teasel	0.88
Bird's-foot trefoil; Common	0.70
Knapweed; Common	0.70
Scabious; Devil's Bit	0.70
Elena's Violet or Sweet Rocket	0.70
Valerian; Red	0.62
Campion; White	0.53
Campion; Red	0.44
Dandelion; Common	0.44
Mallow; Musk	0.44
Selfheal	0.44
Mignonette; Wild	0.44
Daisy; Oxeye	0.35
Hemp-Agrimony	0.18
Marjoram; Wild	0.09
Total	**20**
Low maintenance grasses	**80**

Supplier: John Chambers Wildflowers
www.johnchamberswildflowers.co.uk

Maintenance

Carry out the operations in the following clauses for **a period of 12 months** from the date of practical completion.

Plants/ trees/ shrubs that have failed to thrive (unless due to theft or malicious damage) within the 12 month period from the date of practical completion will be replaced with equivalent plants/ trees/ shrubs to match the original.
Remove soil and arisings from hard surfaces and grassed areas. Generally leave the works in a clean tidy condition at completion and after any maintenance operations.

Maintain weed free area around each tree and shrub. Keep planting beds clear of weeds: by hoeing. Fork over beds as necessary to keep soil loose, with gentle cambers and no hollows. Take care not to reduce depth or effect of mulch.
Gently firm loosened soil around trees' shrubs. Straighten leaning trees' shrubs. Tighten and straighten stakes if required.
Prune to promote healthy growth and natural shape removing: Dead, dying, diseased wood and suckers. Remove arisings. Trim and shape each specimen appropriately to species, location, season, and stage of growth, leaving a well balanced natural appearance.

All shrub beds shall be thoroughly watered as necessary for the continued thriving of all planting. In times of water shortage obtain instructions before proceedding.
Re-mulch at the end of the 12 month maintenance period to a depth of 75mm ensuring that the soil is thoroughly moistened prior to re-mulching.

All planting shall be maintained in good order throughout the initial establishment period.
Twice a month between May and September and a total of three visits between October and April.
Grass areas are to be cut and the cuttings collected up and carted off.
Grass areas with bulbs are to be left uncut for at least six weeks after final flowering.
All arisings are to be removed. Spot treat persistent weeds with glyphosate.

NORTH

Rev.	Date		Drawn	Checked
C	15.04.19	Redesigned to latest architect's layout	TM	MS
B	15.09.17	-	CR	MS
A	13.09.17	Updated to latest architect's layout	CR	MS

SMEEDEN FOREMAN

Project	New housing, Duffield
Title	Landscape Proposals - Softworks
Scale	1:200 @A1
Drawn by	TM
Date	14.09.17
Checked	MS
Project No.	SF 2702
Drawing No.	LL02
Rev	C

Landscape Architects - Urban Designers
Ecologists - Arboriculturists

Somerset House, Low Moor Lane, Scotton, Knaresborough, N. Yorks HG5 9JB
Tel: 01423 863369
Email: office@smeedenforeman.co.uk
www.smeedenforeman.co.uk

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