

SITE 5 PROPOSED OUTLINE PLANT SCHEDULE

Client: SDCC
Project: Kishoge Part 10 Application
Location: Kishoge, South Dublin
Schedule name: 9094-LDA-XX-XX-SH-L-9001 Site 5 Proposed Outline Plant Schedule
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LD&A DESIGN

Street Trees (Type 1a) : along Thomas Omer Way and northern link street through KSG5 Site A (specification is minimum size)

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height m	Spread m	Specification	Root Zone	Number
ACE	Acer campestre 'Elsrijk'	Field Maple 'Elsrijk'	18-20	5m	1-1.5m	4x; EHS; clear stem min 200cm; 5 brks	RB	
AEQ	Acer platanoides 'Emerald Queen'	Norway Maple 'Emerald Queen'	18-20	5m	1-1.5m	4x; EHS; clear stem min 200cm; 5 brks	RB	
ARS	Acer rubrum 'Red Sunset'	Red Maple 'Red Sunset'	18-20	5m	1-1.5m	4x; EHS; clear stem min 200cm; 5 brks	RB	
SI	Sorbus intermedia	Swedish Whitebeam	18-20	5m	1-1.5m	4x; EHS; clear stem min 200cm; 5 brks	RB	
TCG	Tilia cordata 'Greenspire'	Small-leaved Lime 'Greenspire'	18-20	5m	1-1.5m	4x; EHS; clear stem min 200cm; 5 brks	RB	
TPS	Tilia platyphyllos 'Prince's Street'	Large-leaved Lime 'Prince's Street'	18-20	5m	1-1.5m	4x; EHS; clear stem min 200cm; 5 brks	RB	
Total								

Trees to be planted with active drainage (as per detail)

Street Trees (Type 1b) : Residential street trees in SuDS areas/verges (specification is minimum size)

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Spread m	Specification	Root Zone	Number
CFP	Carpinus betulus 'Frans Fontaine'	Columnnar form of Hornbeam	14-16	5m	1-1.25m	3x; HS; clear stem min 200cm; 5 brks	RB	
MR	Malus 'Rudolph'	Flowering Crab Apple (pink flowers)	12 to 14	5m	1-1.25m	3x; HS; clear stem min 200cm; 5 brks	RB	
MSP	Malus baccata 'Street Parade'	Flowering Crab Apple (white flowers)	14-16	5m	1-1.25m	3x; HS; clear stem min 200cm; 5 brks	RB	
PC	Pyrus calleryana 'Chanticleer'	Ornamental Pear	14-16	5m	1-1.25m	3x; HS; clear stem min 200cm; 5 brks	RB	
SL	Sorbus aria 'Lutescens'	Whitebeam	14-16	5m	1-1.25m	3x; HS; clear stem min 200cm; 5 brks	RB	
Total								

Trees in street SuDS locations to be planted within cell system and active drainage (as per detail)

Street Tree (Type 2 - under OHL): Residential street trees in SuDS areas/verges (specification is maximum size)

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Spread m	Specification	Root Zone	Number
Ac	Acer campestre	Field Maple	12 to 14	350-425m	1m	3x; HS; clear stem min 200cm; 5 brks	RB	
Au	Arbutus unedo	Evergreen Strawberry Tree	12 to 14	350-425m	1m	3x; HS; clear stem min 200cm; 5 brks	RB	
Bp	Betula pendula	Silver Birch	n/a	1.5-1.75m	n/a	Large feathered tree	B	
Bpub	Betula pubescens	Common White Birch	n/a	1.5-1.75m	n/a	Large feathered tree	B	
Pa	Prunus avium	Wild Cherry	n/a	1.5-1.75m	n/a	Large feathered tree	B	
Pp	Prunus padus	Bird Cherry	n/a	1.5-1.75m	n/a	Large feathered tree	B	
Sa	Sorbus aucuparia	Rowan	n/a	1.5-1.75m	n/a	Large feathered tree	B	
Total								

Informal public realm tree species : Residential areas in soft landscape including KSG 5 Site A public open space (specification is minimum size)

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Spread m	Specification	Root Zone	Number
CJ	Cercidiphyllum japonicum	Katsuru	14-16	5m	1-1.25m	3x; HS; clear stem min 200cm; 5 brks	RB	
Div	Davidia involucrata vilmoriniana	Handkerchief Tree	14-16	5m	1-1.25m	3x; HS; clear stem min 200cm; 5 brks	RB	
MBM	Malus 'Brandy Magic'	Flowering Crab Apple (red flowers)	14-16	5m	1-1.25m	3x; HS; clear stem min 200cm; 5 brks	RB	
ME	Malus 'Evereste'	Flowering Crab Apple (white flowers)	14-16	5m	1-1.25m	3x; HS; clear stem min 200cm; 5 brks	RB	
PC	Pyrus calleryana 'Chanticleer'	Ornamental Pear	14-16	5m	1-1.25m	3x; HS; clear stem min 200cm; 5 brks	RB	
SL	Sorbus aria 'Lutescens'	Whitebeam	14-16	5m	1-1.25m	3x; HS; clear stem min 200cm; 5 brks	RB	
Sa	Prunus padus	Rowan	14-16	5m	1-1.25m	3x; HS; clear stem min 200cm; 5 brks	RB	
Total								

Informal public realm planting (under OHL) : Residential areas in soft landscape including KSG 5 Site B public open space (specification is maximum size)

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Spread m	Specification	Root Zone	Number
Ac	Acer campestre	Field Maple	12 to 14	350-425m	1m	3x; HS; clear stem min 200cm; 5 brks	RB	
Au	Arbutus unedo	Evergreen Strawberry Tree	12 to 14	350-425m	1m	3x; HS; clear stem min 200cm; 5 brks	RB	
Bp	Betula pendula	Silver Birch	n/a	1.5-1.75m	n/a	Large feathered tree	B	
Bpub	Betula pubescens	Common White Birch	n/a	1.5-1.75m	n/a	Large feathered tree	B	
Pa	Prunus avium	Wild Cherry	n/a	1.5-1.75m	n/a	Large feathered tree	B	
Pp	Prunus padus	Bird Cherry	n/a	1.5-1.75m	n/a	Large feathered tree	B	
Sa	Sorbus aucuparia	Rowan	n/a	1.5-1.75m	n/a	Large feathered tree	B	
Total								

Defensible Planting (Plant at 5 per m2)

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	per m²	Number
Cm	Crataegus monogyna	Hawthorn	n/a	60-80	B	0/1/1; Transplant ; branched; 4 brks	30	4	
Ps	Prunus spinosa	Blackthorn	n/a	40-60	B	0/1/1; Transplant ; branched; 4 brks	20	4	
Rb	Ribes sanguineum	Form of currant	n/a	40-60	3L	Branched; 5 brks	12.5	4	
Rc	Rosa canina	Dog Rose	n/a	40-60	B	0/1/1; Transplant ; branched; 4 brks	25	4	
Vo	Viburnum opulus	Guelder Rose	n/a	40-60	3L	Branched; 5 brks	12.5	4	
								100	

Plant in groups of 3 - 7 of the same species to give a random, flowing mix of plants (evergreen and leaf-colour)

Road Verge Planting (SuDS areas - all low maintenance. Plant at 5 per m2)

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	per m²	Number
ACG	Achillea 'Coronation Gold'	Yarrow			1L	Full pot	5	5	
APS	Actea simplex 'Pink Spike'	Baneberry			1L	Full pot	5	5	
AS	Astilbe chinensis var taqueti 'Superba'	Chinese Astilbe			1L	Full pot	12.5	5	
Aff	Athyrium filix-femina	Lady Fern			1L	Full pot	20	5	
GLV	Geum rivale 'Leonard's Variety'	Water Avens (coppery-pink flowers)			1L	Full pot	5	5	
HH	Hylotelephium 'Herbstfreude'	Autumn Joy sedum			1L	Full pot	5	5	
LDP	Lythrum salicaria'Dropmore Purple'	Wand Loosestrife			1L	Full pot	10	5	
Ms	Mattieuccia struthiopteris	Shuttlecock Fern			1L	Full pot	20	5	
Md	Mondarda didyma	Bergamot			1L	Full pot	5	5	
PI	Primula florindae	Tibetan Cowslip			1L	Full pot	5	5	
RG	Rudbeckia 'Goldsturm'	Black-eyed Susan			1L	Full pot	7.5	5	
								100	

Plant in groups of 3 - 5 of the same species to give a random, flowing mix of plants using the Ferns as core / structure with the other species creating a variety of textures and colours. Vary mixes within each zone.

Shrub Planting to KSG5 Site A public realm areas (Plant at 4 per m2)

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	per m²	Number
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An	Anemone nemerosa	Wood Anemone	n/a		2L	Full pot		3.5	7	104
Bm	Brunnera macrophylla	Bugloss	n/a		1L	Full pot		3	7	89
BFF	Buddleia 'Flutterby Free Petite Blue Heaven'	Dwarf form of Buddleia	n/a	20-30	2L	Full pot		3.5	4	60
Cr	Campanula rapunculoides	Creeping Bellflower	n/a		1L	Full pot		3.5	7	104
Cj	Chaenomeles japonica	Quince	n/a	60-80	3L	Branched; 5 brks		10	4	296
CE	Cornus alba 'Elegantissima'	Red-barked Dogwood	n/a	60-80	3L	Branched; 5 brks		10	4	169
Dr	Daphne retusa	Daphne	n/a	40-60	3L	Branched; 5 brks		10	4	169
Gm	Geranium maculatum	Wild Geranium	n/a		1L	Full pot		5	7	148
Ms	Myosotis sylvatica	Froglet-me-not	n/a		1L	Full pot		3	7	89
Oa	Oxalis acetosella	Wood Sorrell	n/a		1L	Full pot		3	7	89
ReB	Ribes sanguineum 'Brookbankii'	Golden Currant	n/a	40-60	3L	Branched; 5 brks		10	4	169
Rc	Rosa canina	Dog Rose	n/a	40-60	B	0/1/1; Transplant ; branched; 4 brks		5	4	85
SLP	Spiraea douglasii	Steeple bush	n/a	40-60	3L	Branched; 5 brks		5	4	85
Ts	Teucrium scorodonia	Woodsage	n/a		1L	Full pot		3	7	89
Vo	Viburnum opulus 'Roseum'	Viburnum 'Roseum'	n/a	40-60	3L	Branched; 4 brks		5	7	148
WSW	Weigela 'Spilled Wine'	Weigela	n/a	60-80	3L	Branched; 5 brks		5	4	85
Lp	Lonicera pileata	Box leaved Honeysuckle	n/a	40-60	3L	Branched; 5 brks		12.5	4	211
								100		2189

Plant in groups of 3 - 7 of the same species to give a random, flowing mix of plants (evergreen and leaf-colour). Ensure taller species are at the back or centre of mixes and smaller species at the borders

Native Planting to KSG 5 Site B public open space (Average = 6 plants per m2)

Abbrev.	Botanical Name		Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	per m²	Number
Av	Agrostemma vulgare	Ox-eye Daisy			1L	Full pot	3		177
An	Anemone nemerosa	Wood Anemone			2L	Full pot	2		118
AC	Asplenium 'Crispum Bolton's Noble'	Frilly-edged Asplenium			2L	Full pot	2		118
Bd	Buddleia davidii 'Nanho White Peace'	Form of Buddleia (white flowers)		40-60	3L	Branched; 5 brks	5		295
CaS	Cornus alba 'Elegantissima'	Westonbirt Dogwood		60-80	B	0/1/1; Transplant ; branched; 4 brks	5		295
Ca	Corylus avellana	Hazel		60-80	B	0/1/1; Transplant ; branched; 4 brks	4		236
Cm	Crataegus monogyna	Hawthorn		60-80	B	0/1/1; Transplant ; branched; 4 brks	9		531
Ep	Edgeworthia papyrifera	Paper Bush		40-60	3L	Branched; 5 brks	2		118
Ec	Eupatorium cannabinum	Hemp agrimony			1L	Full pot	2		118
Fu	Filipendula ulmaria	Meadowsweet			1L	Full pot	3.5		206
Fm	Fritillaria meleagris	Snakes-head Fritillary			1L	Full pot	2		118
Go	Galium odoratum	Sweet Woodruff			2L	Full pot	2.5		147
Gr	Geum rivale	Water Avenas			1L	Full pot	2		118
Lvu	Leucanthemum vulgare	Ox-eye Daisy			1L	Full pot	5		295
Lv	Ligustrum vulgare	Wild Privet		40-60	3L	Branched; 5 brks	5		295
Ms	Malus sylvestris	Crab Apple		60-80	B	0/1/1; Transplant ; branched; 4 brks	3.5		206
Ph	Polygonatum x hybridum	Solomon's Seal			2L	Full pot	3.5		206
Pvc	Primula veris	Cowslip			1L	Full pot	2		118
Pv	Primula vulgaris	Primrose			1L	Full pot	2		118
Rs	Ribes sanguineum	Form of currant		40-60	3L	Branched; 5 brks	5		295
Sr	Salix repens	Creeping Willow		60-80	B	0/1/1; Transplant ; branched; 4 brks	5		295
Sn	Sambucus nigra	Elder		60-80	B	0/1/1; Transplant ; branched; 4 brks	3.5		206
Sd	Silene dioica	Red Campion			1L	Full pot	2		118
Sfc	Silene flos-cuculi	Ragged Robin			1L	Full pot	2		118
Spd	Spiraea douglasii	Douglas' Spiraea		40-60	3L	Branched; 5 brks	5		295
So	Stachys officinalis	Betony			1L	Full pot	2		118
Ts	Teucrium scorodonia	Woodsage			1L	Full pot	3		177
Vo	Viburnum opulus	Guelder Rose		40-60	3L	Branched; 4 brks	5		295
WVf	Weigela florida 'Variegata'	Variegated Weigela		60-80	5-7.5L	Branched; 6 brks	2.5		147
								100	5897

Plant in groups of 3-11 of the same species in random flowing arrangements to give a good mix of evergreen and deciduous. Ensure taller species are at the back or centre and smaller species at the borders and that mixes blend together.

Planting for apartment block roof garden

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	per m²	Number
	Saxifraga granulata	X	3-20cm	3-20cm	9cm	Strong, even clump/shape	14		
	Saxifraga urbium 'Clarence Elliott'	X	3-20cm	3-20cm	9cm	Strong, even clump/shape	14		
	Sedum album	X	3-20cm	3-20cm	9cm	Strong, even clump/shape	4		
	Sedum eliacombianum	X	3-20cm	3-20cm	9cm	Strong, even clump/shape	4		
	Sedum floriferum 'Weihenstephaner Gold'		3-20cm	3-20cm	9cm	Strong, even clump/shape	4		
	Sedum kamtchaticum		3-20cm	3-20cm	9cm	Strong, even clump/shape	4		
	Sedum reflexum		3-20cm	3-20cm	9cm	Strong, even clump/shape	4		
	Sedum spectabile 'Rosenteller'		3-20cm	3-20cm	9cm	Strong, even clump/shape	4		
	Sedum spurium		3-20cm	3-20cm	9cm	Strong, even clump/shape	4		
	Sedum spurium 'Summer Glory'		3-20cm	3-20cm	9cm	Strong, even clump/shape	4		
	Sempervivum 'Autumn Fire'		3-20cm	3-20cm	9cm	Strong, even clump/shape	5		
	Sempervivum 'Blue Boy'		3-20cm	3-20cm	9cm	Strong, even clump/shape	5		
	Sempervivum 'Goldmarie'		3-20cm	3-20cm	9cm	Strong, even clump/shape	5		
	Sempervivum 'Magic Morning'		3-20cm	3-20cm	9cm	Strong, even clump/shape	5		
	Sempervivum 'Regenbogen'		3-20cm	3-20cm	9cm	Strong, even clump/shape	5		
	Thymus doerfleri 'Bressingham Seedling'		3-20cm	3-20cm	9cm	Strong, even clump/shape	7.5		
	Thymus sepyllum 'Coccineus'		3-20cm	3-20cm	9cm	Strong, even clump/shape	7.5		
								100	

Plant sedums, saxifrage and sempervivums in groups of 7-11 of the same species and create an even blend in each planter and around the Pinus and shrub planting

	Callicarpa 'Profusion'	Beauty Berry		60-80	5-7.5L	Branched; 6 brks			
	Luzula sylvatica	Great Wood-rush			2L	Full pot			
	Spiraea japonica 'Gold Flame'	Spiraea		40-60	3L	Branched; 4 brks			
	Weigela 'Foliis Purpureis'	Weigela		60-80	5-7.5L	Branched; 6 brks			
	Pinus mugo 'Mops'	Dwarf pine	30-40cm	30-40cm	7.5L	Bushy			
	Pinus mugo 'Mughus'	Dwarf pine	30-40cm	30-40cm	7.5L	Bushy			

	Actinidia arguta	Hardy kiwi	n/a	1.0-1.5m	2L	Specimen. 1.0-1.5m height. Minimum 2 breaks. Strong stems and good overall shape.	25		
	Akebia quinata	Chocolate vine	n/a	1.0-1.5m	2L	Specimen. 1.0-1.5m height. Minimum 2 breaks. Strong stems and good overall shape.	35		
	Clematis armandii	Clematis armandii	n/a	1.0-1.5m	2L	Specimen. 1.0-1.5m height. Minimum 2 breaks. Strong stems and good overall shape.	40		
								100	

Plant climbers in groups of 3 of the same species in an even blend

Hedging: to front gardens (vary species, but use 100% in each location)

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	per m²	Number
Lo	Ligustrum ovalifolium	Privet		40-60	3L	Branched; 5 brks	100	5	
LA	Ligustrum ovalifolium 'Aureum'	Golden Privet		40-60	3L	Branched; 5 brks	100	5	
Pxf	Photiniax fraseri 'Red Robin'	Photinia		40-60	3L	Branched; 5 brks	100	5	

PR	Prunus laurocerasus 'Rotundifolia'	Golden Privet		40-60	3L	Branched; 5 brks	100	5	
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Amenity turf: to front and back gardens

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	m ²	Number
	N/A	Amenity turf				General purpose, hard wearing, amenity turf	100		

Species-rich grass mix: public realm areas

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	m ²	Number
	N/A	Species rich / eco grass mix e.g. Germinál WFG20 Eco Species Rich Lawn				Sow at rate of 10gms/m ² . A 80:20 mix of grasses & native wildflowers including Black Medick, Common Mouse Ear and Wild Pansy. A mixture designed to create a species rich lawn that can be kept trimmed or left longer to flower.	100		

Wet meadow wildflower mix: SuDs features

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	m ²	Number
	Alisma plantago-aquatica	Water plantain			1L	Full pot	7.5		
	Butomus umbellatus	Flowering rush			1L	Full pot	7.5		
	Caltha palustris	Marsh marigold			1L	Full pot	7.5		
	Cardamine pratensis	Lady's smock			1L	Full pot	10		
	Eriophorum angustifolium	Cotton grass			1L	Full pot	7.5		
	Filipendula ulmaria	Meadowsweet			1L	Full pot	10		
	Geum rivale	Water avens			1L	Full pot	7.5		
	Lychnis flos-cuculi	Ragged robin			1L	Full pot	10		
	Mentha aquatica	Water mint			1L	Full pot	7.5		
	Menyanthes trifoliata	Water mint			1L	Full pot	7.5		
	Myosotis scorpiodes	Water forget-me-not			1L	Full pot	7.5		
	Valeriana officinalis	Valerian			1L	Full pot	10		
							100		0

Plant in groups of 7-11 of the same species in random flowing arrangements to give a good mix.

Wet meadow scrub planting mix: SuDs features

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Mix %	m ²	Number
	Corylus avellana	Hazel		60-80	B	0/1/1; Transplant ; branched; 4 brks	7.5		
	Crataegus monogyna	Hawthorn		60-80	B	0/1/1; Transplant ; branched; 4 brks	15		
	Ligustrum vulgare	Wild Privet		40-60	3L	Branched; 5 brks	10		
	Lythrum salicaria	Purple loosestrife			1L	Full pot	10		
	Ribes sanguineum	Form of currant		40-60	3L	Branched; 5 brks	7.5		
	Salix aurita	Eared willow		60-80	B	0/1/1; Transplant ; branched; 4 brks	7.5		
	Salix caprea	Goat willow		60-80	B	0/1/1; Transplant ; branched; 4 brks	10		
	Salix cinerea	Grey willow		60-80	B	0/1/1; Transplant ; branched; 4 brks	7.5		
	Salix repens	Creeping willow			B	0/1/1; Transplant ; branched; 4 brks	10		
	Sambucus nigra	Elder		60-80	B	0/1/1; Transplant ; branched; 4 brks	5		
	Viburnum opulus	Guelder Rose		40-60	3L	Branched; 4 brks	10		
							100		0

Plant in groups of 5-9 of the same species in random flowing arrangements to give a good mix.

KEY:

B	= Bare-rooted and bagged
brk	= Minimum number of breaks or shoots
D	= diameter or spread
L	= Container size in litres
RB	= Root-balled
1+1	= 2 year seedling transplanted after the first year
1+2	= 3 year seedling transplanted after the first year
0/1/1	= 2 year cutting transplanted after the first year
2x	= Number of times transplanted e.g. twice
HS	= Heavy Standard