PLANT SCHEDULES

As Shown

Schedule 1 - AVENUE & SPECIMEN TREES

KEY	SPECIES	COMMON	SIZE (girth)	GROW	HABIT
QR	Quercus robur	Oak	18-20cm	BR	Clear Stem
QRFF	Quercus robur 'Fastigiata'	Oak - Columnar	18-20cm	BR	Clear Stem
CbFF	Carpinus betulus (Frans Font)	Hornbeam	18-20cm	BR	Clear Stem
TCG	Tilia cordata 'Greenspire'	Lime	16-18cm	BR	Clear Stem
APC	Acer platanoides 'Crimson K'	Norway Maple	16-18cm	BR	Clear Stem
SAT	Salix alba 'Tristis'	White Willow	16-18cm	BR	Clear Stem
AG	Alnus glutinosa	Alder	16-18cm	BR	Clear Stem
BP	Betula pendula	Birch	16-18cm	BR	Clear Stem
SA	Sorbus aucuparia	Mountain Ash	16-18cm	BR	Clear Stem
MD	Malus domestica	Apple	12-14cm	BR	Clear Stem
PA'P	Prunus avium 'Plena'	Wild Cherry	12-14cm	BR	Clear Stem
HM	Hamamelis mollis	Witchhazel	6-8cm	BR	Branched
AC	Amelanchier canadensis	Shadbush	10-12cm	BR	Clear Stem
PCF	Pyrus calleryana 'Fastigiata'	Callery Pear	16-18cm	BR	Clear Stem
PS	Pinus sylvestris	Scots Pine	16-18cm	BR	Branched
PM	Pinus mugo	Dwarf Pine	6-8cm	BR	Clear Stem

Schedule 2 - TYPICAL SHRUB/ GROUNDCOVER (Ave Density 5 No. Plants Per m2)

KEY	SPECIES	SIZE (pots)	NO.m2	HABIT
Sp	Stipa 'Pony Tails'	PG 5L	4/m2	Bushy
Cs	Cornus sanguinea	PG 3L	3/m2	Branched (3)
Pf	Photinia x fraseri' red robin'	PG 3L	3/m2	Branched (3)
Ep	Echinacea purpurea	PG 3L	3/m2	Branched (3)
Pa	Pennisetum x advena 'Rubrum'	PG 3L	3/m2	Branched (3)
Ct	Choisya ternata	PG 5L	3/m2	Bushy
Hh	Hedera helix 'hibernica'	PG 3L	6/m2	Sev Shoots
Vm	Vinca major	PG 3L	6/m2	Bushy
Ha	Hebe albicans	PG 3L	6/m2	Bushy
HmA	Hakonechloa macra Alboaurea	PG 3L	6/m2	Branched (3)
Ce	Carex elata 'Aurea'	PG 3L	6/m2	Bushy
Hf	Heuchera 'Fire Chief'	PG 3L	5/m2	Branched (3)
Wn	Weigela nain rouge	PG 3L	4/m2	Bushy (3)
Cc	Caryopteris x clandonensis	PG 3L	5/m2	Bushy (3)
La	Lavandula angustifolia	PG 3L	4/m2	Bushy
	Cistus 'Silver Pink'	PG 3L	4/m2	Bushy

Schedule 3 - CLIPPED HEDGE OPTIONS (6 plants per m2 - Staggered Rows c400mm)

KEY	SPECIES	COMMON	SIZE	GROW	HABIT
Cb	Carpinus betulus	Hornbeam	60-90cm	BR	Feathered
Gl	Griselinia littoralis	NZ Kapuka	60-90cm	BR	Feathered
Lv	Ligustrum vulgaris	Privet	60-90cm	BR	Feathered
Tb	Taxus baccata	Yew	60-90cm	BR	Feathered
Er	Escallonia rubra 'Crimson'	Escallonia	60-90cm	BR	Feathered

Schedule 4 - TYPICAL CLIMBING SPECIES (Ave 3 No. Plants Per Lin M)

KEY	SPECIES	COMMON	SIZE (pots)	NO.m2	HABIT
Cs	Hydrangea petiolaris	Hydrangea	PG 3L	3/m2	Branched (3)
Pl	Lonicera periclymenum	Honeysuckle	PG 3L	3/m2	Branched (3)
Pc	Pyracantha coccinea	Firethorn	PG 3L	3/m2	Branched (3)

Schedule 5 - WOODLAND / WOODLAND EDGE MIX (0.5 plants per m2 or 5000 plants per Ha)

%	SPECIES	COMMON	SIZE	GROW	HEIGHT/TRAN
20	Quercus robur	Oak	40-60cm	CG	1 + 1 Branched
20	Crataegus monogyna	Hawthorn	40-60cm	CG	1 + 1 Branched
10	Alnus glutinosa	Alder	40-60cm	CG	1 + 1 Branched
10	Ilex aquifolium	Holly	40-60cm	CG	1 + 1 Branched
5	Corylus avellana	Hazel	40-60cm	CG	1 + 1 Branched
10	Pinus sylvestris	Scots Pine	40-60cm	CG	1 + 1 Branched
5	Prunus avium	Cherry	40-60cm	CG	1 + 1 Branched
10	Betula Pendula	Birch	40-60cm	CG	1 + 1 Branched
5	Viburnum opulus	Guelder- Rose	40-60cm	CG	1 + 1 Branched
5	Fagus sylvatica	Beech	40-60cm	CG	1 + 1 Branched

Schedule 6 - TYPICAL HEDGEROW MIX (2 plants per linear m2)

%	SPECIES	COMMON	SIZE	GROW	HEIGHT/TRAN
75	Crataegus monogyna	Hawthorn	40-60cm	CG	1 + 1 Branched
10	Corylus avellana	Hazel	40-60cm	CG	1 + 1 Branched
10	Ilex aquifolium	Holly	40-60cm	CG	1 + 1 Branched
5	Prunus spinosa	Blackthorn	40-60cm	CG	1 + 1 Branched
5	Frangula alnus	Alder Buckthorn	40-60cm	CG	1 + 1 Branched

Schedule 7 - WILDFLOWER MIX

%	SPECIES	COMMON
75	Cynosurus cristatus	Crested Dogstail
	Festuca rubra ssp litoralis	Slender Creep.Red F[illegible]
	Festuca arundinacea	Tall Fescue
25	Centaurea nigra	Common Knapweed
	Chrysanthemum segetum	Corn Marigold
	Hypochoeris radicata	Cats Ear
	Leucanthemum vulgare	Ox-eye Daisy
	Lotus uliginosus	Marsh Trefoil
	Lychnis flos-cuculi	Ragged Robin
	Papaver rhoeas	Corn Poppy
	Plantago lanceolata	Ribwort Plantain
	Prunella vulgaris	Self-Heal
	Ranunculus acris	Meadow Buttercup
	Rhinanthus minor	Yellow Rattle
	Rumex acetosa	Common Sorrel
	Silene dioica	Red Campion
	Succisa pratensis	Devils Bit Scabious
	Vicia cracca	Tufted Vetch

Schedule 8 - Lowland Wet Meadow

This Mix is ideal for Moist sites - Open woodland - River and Lake bo[illegible] Industrial [illegible] designed to encourage insects and support b[illegible]
Sowing rate 4g/m2

%	Latin name	Common name
25%	Festuca rubra litoralis	Slender Creeping Red [illegible]
10%	Cynosurus cristatus	Crested Dogstail
10%	Festuca pratensis	Meadow Fescue
6%	Holcus lanatus	Yorkshire Fog
5%	Arrhenatherum elatius	Tall Oat-Grass
5%	Deschampsia cespitosa	Tufted Hair-Grass
5%	Phleum bertolonii	Small Leaved Timothy
5%	Poa trivialis	Rough Stalk Meadow Gr[illegible]
3%	Alopecurus pratensis	Meadow Foxtail
3%	Trisetum flavescens	Golden Oat-Grass
2%	Centurea nigra	Common Knapweed
2%	Galium verum	Lady's Bedstraw
2%	Leucanthemum vulgare	Oxeye Daisy
2%	Plantago lanceolata	Ribwort Plantain
2%	Ranunculus acris	Meadow Buttercup
1.5%	Ranunculus repens	Creeping Buttercup
1.5%	Rumex acetosa	Common Sorrel
1%	Achillea millefolium	Yarrow
1%	Agrimonia eupatoria	Agrimony
1%	Agrostis stolonifera	Creeping Bent
1%	Anthoxanthum odoratum	Sweet Vernal
1%	Briza media	Quaking Grass
1%	Filipendula ulmaria	Meadow Sweet
1%	Prunella vulgaris	Self Heal
1%	Trifolium pratense	Red Clover
0.8%	Trifolium repens	White Clover
0.2%	Lathyrus pratensis	Meadow Vetchling
0.2%	Leontodon autumnale	Autumn Hawkbit
0.2%	Taraxacum officinale	Dandelion
0.1%	Pulicaria dysenterica	Common Fleabane

LANDSCAPE MANAGEMENT (YEAR 1-20)

GENERAL NOTES:
Following handover of planting works at the end of the agreed establishment maintenance period. All general maintenance will be undertaken according to the listed 'Annual Ongoing Landscape Maintenance'

EXISTING MATURE TREES:
All retained trees to be inspected annually for defects or disease and managed in accordance with best arboricultural practices current at the time of assessment and execution of remedial work.

AVENUE AND SPECIMEN TREES: (All staked trees):

Years 1-3 (Establishment)
Inspect on each maintenance visit to ensure that stakes, ties etc are in good condition and adjust as required to maintain healthy development. Carry out pruning to remove minor damage, to promote a shapely well-balanced head and wind-firm as necessary. Where trees are in grass verges maintain a minimum diameter of one metre around the base free of weeds and take every precaution to avoid bark damage by maintenance machinery. Replace damaged or failed trees in accordance with the original planting specification.

Year 4-10
1 no. basic-level inspection per annum.(Trees subject to cable bracing, staking or other mechanical support should be inspected twice each year). Trees in lower-risk areas may be subject to longer inspection intervals by qualified arboriculturist (in spring to identify foliar issues) to check physiological and biological condition.
Strimming/spraying of tree base in April and August to control weed growth
Stakes removed at year 5 or as instructed
Remove dead, dying or deformed branches every other year
Prune, shape and raise crown years 5 and 10
Replace damaged or failed trees in accordance with the original planting specification. A method statement should be prepared for these operations.

Year 11-20
1 no. basic-level inspection per annum by qualified arboriculturist (in autumn to coincide with fungal fruiting) to check physiological and biological condition
Professional-level inspections and arboricultural works as necessary arising from basic-level inspections
Prune and remove basal growth (3 year cycle)
Prune, shape and raise crown years 15 and 20

Year 21 +
1 no. basic-level inspection per annum by qualified arboriculturist (in autumn to coincide with fungal fruiting) to check physiological and biological condition
Professional-level inspections and arboricultural works as necessary arising from basic-level inspections
Prune and remove basal growth (3 year cycle)
Pollard and crown reduction considered at year 21would be carried out to maintain attractive form, regular and compact crown architecture, prevent the development of heavy branches and reduce the overall requirement of the trees' rooting systems.
This operation would be repeated as necessary to prevent crown interference in adjacent trees, typically every 10 years. A method statement should be prepared.for these operations

Hedge Maintenance
The hedge should ideally be planted in the autumn when the soil is warm after the summer and damp from autumn rain. Planted a double or triple row of trees to create width. If space is restricted a single row of plants zig-zagged slightly to allow root space. Do not cut top leader growth until plants has reached 1.1m high.
Prune hedge in the autumn when there is no chance of disturbing nesting birds. It is best to prune deciduous varieties in late autumn when they are dormant. Cut back quite hard in the first couple of years so the hedge thickens up at the base.
Deciduous species are usually pruned twice annually, first in winter while dormant and again in mid-summer. If using electrical or fuel powered shears, exercise all precautions as instructed by manufacturer. Cut Hedge in an A profile (Tapered sides) Heavy snowfall lying on top of a hedge can cause serious damage. Ensure snow is removed as soon as possible to reduce the unaccustomed weight. Woody prunings can attract fungal diseases such as coral spot if they are left to decay where they fall. It is best to clear them up when you finish hedge trimming.

AMENITY GRASS: Schedule 9
The Grass Seed Mixture shall contain the following varieties in the percentages stated by weight :-

- 30% Festuca Rubra Ssp Litoris (Slender creeping Red Fescue)
- 25% Festuca Rubra Commutata (Chewings Fescue)
- 15% Poa Pratensis (Smooth stalked meadow grass)
- 10% Agrostis Castellana (Brown Cultivar Highland)
- 20% Lolium Perenne (Perennial Rye grass) To be one of the following dwarf cultivars:- Elka, Erno, Majestic, Loretta, Barry, Lorina or Lucretia.

TIMES OF YEAR FOR PLANTING

Deciduous trees and shrubs:	Late October to late March.
Conifers and evergreens:	September/ October or April/ May.
Container grown plants:	At any time if ground and weather conditions are favourable. Ensure that adequate watering and weed control is provided.
Dried bulbs, corms and tubers:	September/ October.
Grass Seed:	Spring -April to May or Late Summer August toSeptember

ANNUAL ONGOING LANDSCAPE MAINTENANCE

Amenity grass	12 cuts during growing season /2 fertiliser applications/ 2 edgings with iron/ selective herbicide/ 2 spike aerations.
Hedging	6 weedings/2 firm ups/ 1 fertiliser/ 1 trim to shape
Groundcover Planting	6 weedings/ 2 firm ups/ 1 fertiliser/ 1 prune if directed
Staked Trees	6 visits for stakes, ties and firming/ 1 fertiliser/ 1 crown prune (when directed 8 watering to field capacity/ cut stakes down to half height at end of third year or as directed.

NOTES:

- 50mm bark mulch over all plant beds
- Weed barrier under all proposed hedging areas finished with 50mm of mulch
- Refer to Tree Report for all Arboricultural requirements to existing trees
- Use Reroot 1000 root barrier (or equivalent) were trees are proposed within 2m of services and 5m of all wall foundations.
- Refer to MDA Landscape Specification
- Refer to Softworks Planting Drawing 18.130.200
- Refer to Existing Tree Protection Drawing 18. 130.300
- Refer to Boundary Plan & Details 18.130.400
- Landscape Proposals to be cross referenced with Architecture and Engineering Drawings

Local Area for Play (LAP)
A small area of open space specifically designed for younger children mainly between the ages of 4-6 years of age.
The location of the area is determined as within 1 minute walking distance.
The area should be appropriate for low-key games; flat and level with grass surfacing. Hedging and low fence have been proposed as a safety buffer zone to protect against road related accidents.

Legend

- Existing hedge (Protected)
- Existing Trees (Protected)
- Swales and Marginal Planting
- Proposed Large & Medium Standard Trees (Sch 1)
- Proposed Hedgerow Mix (Plant Schedule 5)
- Tree Root Protection Fence (Magenta Line)
- Feature Shrub Planting (Schedule 2)
- Wildflower Mix (Sch 6)
- Proposed Woodland Mix (Plant Schedule 5) 80%Trans,10% F,10% LS
- Blossom Trees (Plant Schedule 1)
- Mown Grass / Private
- Mown Grass / Public
- Clipped Hedging (Plant Schedule 3)
- 400x400 silver grey paviors with granite aggregate
- 100x100 Charcoal setts with Granite aggregate
- Climbing Plants (Schedule 4)
- Safety surface
- External Walls
- Boundary Type A Render & Brick or Stone Wall 2m
- Boundary Type B Rendered Blockwork Wall 2m
- Boundary Type C Rendered Stone Finished Wall 0.9 - 1.2m
- Boundary Type D Timber Closed Board Fence 2m
- Boundary Type E Stone Retaining Wall (Louth Fence) <1m
- Boundary Type F Black Paladine Fence 2.2m
- Boundary Types G & H Black Railing 0.9 - 1.2m

client	job no.	date	scale	by	notes
Kingsbridge Consultancy Ltd	18130	May. 19	1:200@A0	pjm	For Planning

Landscape Plan - Detail Plan Sh 3 of 4	Dwg.18.130.103.1
Haggardstown, Blackrock, Dundalk	Fig.5.21 (LVIA)

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