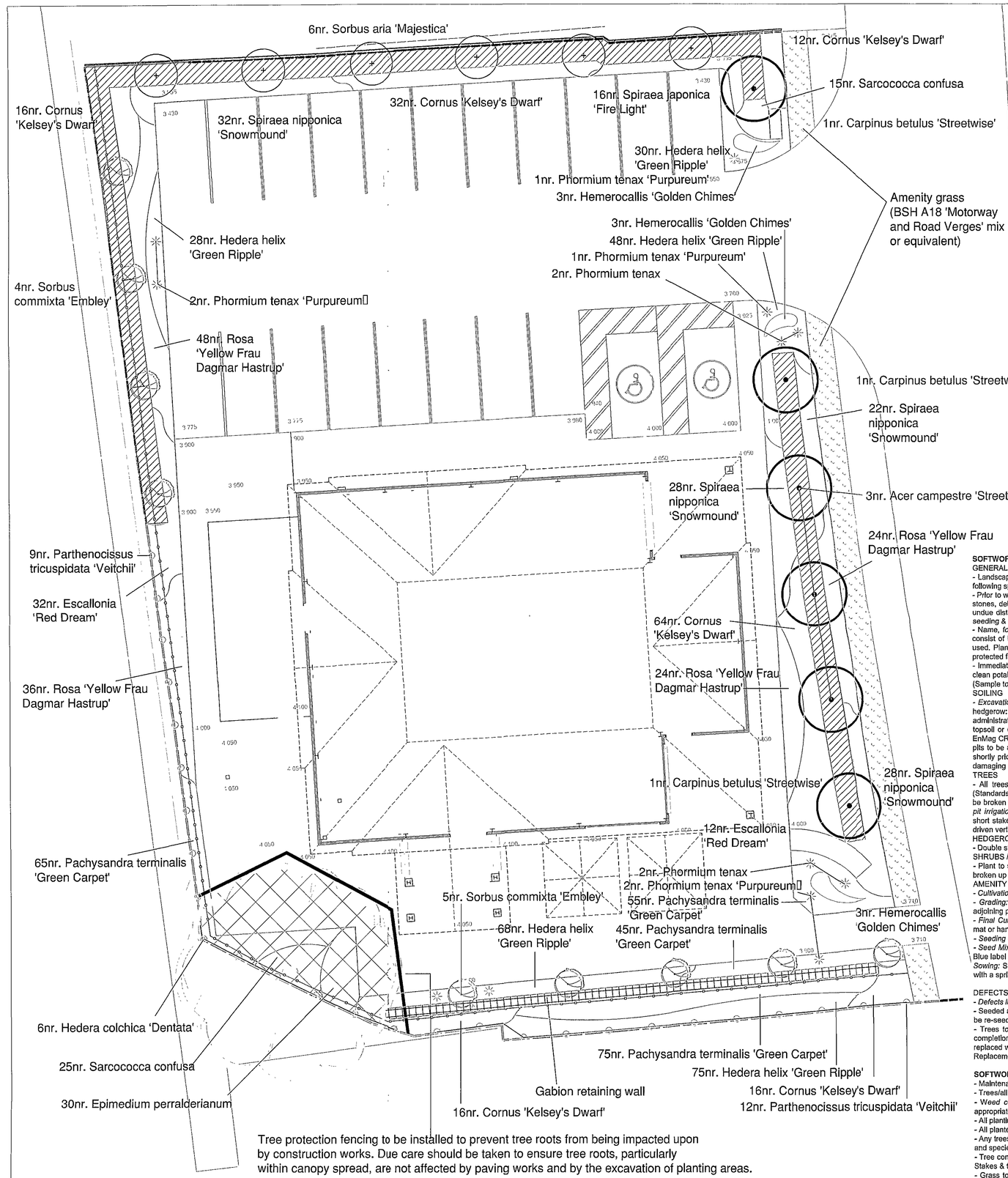


Tree protection fencing to be installed to prevent tree roots from being impacted upon by construction works. Due care should be taken to ensure tree roots, particularly within canopy spread, are not affected by paving works and by the excavation of planting areas.

PLANTING SCHEDULE

Trees: Semi-matures (along road frontage)

SPECIES	GIRTH (cm)	SPACING	AGE	ROOT	HEIGHT (cm)	NO.
Acer campestre 'Streetwise'	20-25	5m c/s	3x/4x	C	500-550	3
Carpinus betulus 'Streetwise'	20-25	5m c/s	3x/4x	C	500-550	3
					TOTAL	**6**

Trees: Standards (within site)

SPECIES	GIRTH	SPACING	AGE	ROOT	HEIGHT(cm)	NO.
Sorbus aria 'Majestica'	8-10	5m c/s	2x	C	250-300	6
					TOTAL	**6**

Trees: Feathereds (within site)

SPECIES		SPACING	AGE	ROOT	HEIGHT(cm)	NO.
Sorbus commixta 'Embley'		5m c/s	X/2/0	C	175-200	9
					TOTAL	**9**

Hedgerow

c.1m high. Double staggered row. 5 plants/lin m. 75lin m.

SPECIES		SPACING	AGE	ROOT	HEIGHT (cm)	NO.
75% Carpinus betulus		5/lin m	1+1 or 1/1	C-3L	60-80	280
25% Cotoneaster franchetti		5/lin m	-	C-3L	60-80	95
					TOTAL	**375**

Specimen shrubs / herbaceous perennials

SPECIES		SPACING		ROOT	HEIGHT (cm)	NO.
Epimedium perralderianum		5/m2		C-1L	20-30	30
Hemerocallis 'Golden Chimes'		3/m2		C-4L	-	9
Phormium tenax		-		C-10L	90-120	4
Phormium tenax 'Purpureum'		-		C-10L	90-120	6
Sarcococca confusa		5/m2		C-3L	20-30	40
					TOTAL	**89**

Shrubs

SPECIES		SPACING		ROOT	HEIGHT (cm)	NO.
Cornus 'Kelsey's Dwarf'		4/m2		C-3L	60-80	156
Escallonia 'Red Dream'		4/m2		C-3L	40-60	44
Rosa 'Yellow Frau Dagmar Hastrup'		4/m2		C-3L	-	132
Spiraea japonica 'Fire Light'		4/m2		C-3L	40-60	16
Spiraea nipponica 'Snowmound'		4/m2		C-3L	40-60	110
					TOTAL	**458**

Groundcover

N.B. Remove canes.

SPECIES		SPACING		ROOT	HEIGHT (cm)	NO.
Hedera helix 'Green Ripple'		6.25/m2		C-2L	40-60	249
Pachysandra terminalis 'Green Carpet'		6.25/m2		C-2L	15-20D	240
					TOTAL	**489**

Climbers (along fenceline)

SPECIES		SPACING		ROOT	HEIGHT (cm)	NO.
Hedera colchica 'Dentata'		0.5/lin m		C-3L	60-80	6
Parthenocissus tricuspidata 'Veitchii'		0.5/lin m		C-2L	60-80	21
					TOTAL	**27**

Amenity grass (highway service strip)

British Seed Houses **A18** 'Motorway and Road Verges' mix or equivalent. (20g/m2) (40m2)	**800g**

SOFTWORKS IMPLEMENTATION SPECIFICATION

GENERAL

- Landscape proposals to be implemented during the first planting and seeding season following completion of the works, in accordance with the following specification.
- Prior to works starting on site, existing site tree (to be retained) to be protected in accordance with BS 5837:2005. Site to be cleared of any rubbish, stones, debris & vegetation across areas to be planted & seeded. Large roots (50mm diameter or greater) to be grubbed up & disposed of without undue disturbance of soil & adjacent areas. Arisings to be removed offsite. Suitable herbicide to be applied to all areas necessary for planting & seeding & a period of time allowed to elapse as recommended by manufacturer, before cultivation.
- Name, forms, dimensions, provenance & other criteria relating to plant material to be as scheduled & defined in the NPS. All plant material to consist of healthy stock with well balanced branch structures and well developed fibrous root systems. Peat & products containing peat not to be used. Plant handling, storage & transport, & planting generally will accord with CPSE 'Handling and establishing landscape plants'. Plants to be protected from frost, mechanical damage & shock, & planted upright or well-balanced, with best side to front (where appropriate).
- Immediately after planting, planting areas to be watered thoroughly to field capacity, without damaging or displacing trees / plants or soil, using clean potable water only. After watering, 75mm settled depth of Melcourt Amenity grade bark mulch or equivalent to all planting areas and tree pits. (Sample to be approved)

SOILING

- *Excavation / topsoil depths below proposed finished level:* Semi-mature tree pits: 900mm / Standards: 750mm / Feathereds: 500mm / Shrubs & hedgerow: 450mm / Groundcovers: 200mm / Amenity grass: 150mm. Excavated tree pits to be made available for inspection by the contract administrator prior to backfilling. Bases and sides of excavations will be free draining. *Backfill:* Tree pits to be backfilled with locally excavated topsoil or (where unavailable) imported topsoil to meet the classification of 'multi-purpose' as defined by BS3882:2007. *Fertilizer:* To pits. Scott's EmMag CRF 11-22-9 & 6%Mg (or similar & approved), evenly incorporated into topsoil backfill at a rate of: Feathered tree pit: 100 gms per tree. Tree pits to be ameliorated with 50mm depth approved peat-free compost material. Material to be fine grade & well composted. Compost to be applied shortly prior to cultivation and incorporated evenly into top 150mm of soil. Soil around trees will be lightly firmed and forked and/or raked, (without damaging roots), to a fine tilth with gentle cambers and no hollows.

TREES

- All trees to be matched as specified and of uniform & balanced growth. *Tree pits:* (Semi-matures) min 900mm(depth)x1000mmx1000mm (Standards) 750mm(depth)x900mmx900mm (Feathered) min. 500mm(depth)x750mmx750mm. Pit bottoms to have a slightly raised centre. Base to be broken up to 200mm minimum. 200mm layer of clean drainage material (no fines) at base graded 40-20mm (crown). Sides to be scarified. *Tree pit irrigation:* (Semi-mature) Greenleaf 'Root Rain Metro' (RRPC4) or similar. *Staking:* Double stake & tie to semi-matures and standards. Single short stake & tie to feathereds. Stakes: 75mm round peeled chestnut, oak or larch, pointed lower end. Cut to approx. 600mm off ground. Stakes driven vertically min. 300mm into ground. Crossbar & rubber belting tie & spacer block.

HEDGEROW

- Double staggered row at 450mm centres into a prepared trench 1000mm wide x 450mm deep.

SHRUBS / SPECIMEN SHRUBS / HERBACEOUS PERENNIALS / GROUNDCOVER / CLIMBERS

- Plant to specified density and as shown. Shrubs 450mm x 300mm x 300mm / groundcovers 200mm x 250mm x 200mm. Planting stations to be broken up where compacted.

AMENITY GRASS

- *Cultivation:* Compacted ground to be broken up to max. 450mm depth. Undesirable material brought to the surface to be removed.
- *Grading:* Soil to be graded to smooth flowing contours, with falls for adequate drainage. Finished levels after settlement will be 15mm above adjoining paving, kerbs, manholes etc.
- *Final Cultivation:* Final cultivation to reduce top 25mm to fine firm seed bed with good crumb structure. Area to be raked with chain harrow, drag mat or hand rake to a true, even surface, lightly firmed but not over compacted, removing all stones and earth clods more than 25mm.
- *Seeding season:* April to September. Weather dependent.
- *Seed Mix:* BSH A18 or equivalent. *Origin:* Native UK. *Rate of application:* 20g/m2. *Quality of seed:* Fresh seed to be used for each growing season. Blue label certified seed varieties complying with EC regulations for purity and germination to be used.

Sowing: Seed to be spread evenly at specified rate, applied in two equal sowings in transverse directions. Area to be lightly harrowed or raked in with a spring tined rake. Soil to be firmed using lightweight roller and watered with a fine spray.

DEFECTS LIABILITY PERIODS

- *Defects liability periods:* 12 months (hedgerow, shrubs, herbaceous perennials, groundcovers, climbers, grass) / 24 months (all trees)
- Seeded areas to be inspected every 3 months. Any seeded areas failed as a consequence of the contract specification not having been met shall be re-seeded & inspected by contract administrator at end of the first season.
- Trees to be inspected at end of first & second planting season. Any trees that fail to thrive (unless due to theft or malicious damage after completion) during the period of 24 months following Practical Completion, to be regarded as defects due to materials or workmanship & shall be replaced with equivalent trees to match size of adjacent or nearby trees of same species or to match original specification, whichever is the greater. Replacements to be to contract administrator's approval.

SOFTWORKS MAINTENANCE REQUIREMENTS

- Maintenance to be undertaken for the duration of the development.
- Trees/all plants to be watered to ensure continued growth and good health, using clean potable water only.
- *Weed control:* 100% weed control within 600mm diameter around individual trees, using a combination of hand pulling/hoeing and using an appropriate non residual herbicide (glyphosate).
- All planting stock to be refirmed as necessary.
- All planted / seeded areas to be litter picked.
- Any trees which die, are removed or become seriously damaged or diseased to be replaced in the next planting season with others of a similar size and species.
- Tree conditions to be inspected annually for damage, disease and infestation. Trees & tree stakes & ties to be inspected & adjusted as necessary. Stakes & ties to be removed at the end of 3 years.
- Grass to be cut during the following spring, followed by a cut min. twice a year, as necessary. Growth & coverage & subsequently the mowing regime to be assessed annually. 100% weed control, combination of hand pull / glyphosate spray.

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Follow any figured dimensions - do not scale. IF IN DOUBT ASK.

• Revision History	• Date

KEY

Existing landscape features:

- Tree retained (and protected during construction works)
- Close-boarded fence retained
- Close-boarded fence to be removed
- Post & wire fence to be removed

Proposed landscape elements:

- Trees: Semi-matures
- Trees: Standards
- Trees: Feathereds
- Hedgerow
- Specimen shrubs
- Shrubs / herbaceous perennials / groundcovers
- Climbers
- Grassed highway service strip
- 2m high acoustic fence

Notes:

1. Acoustic barrier to be Jacksons 'Jakoustic barrier system', 2m high above ground level and to manufacturers specifiers' guide 2007.
2. For surfacing proposals refer to drawing titled 'Site Layout - Construction and Levels', drawing no. L(2)901.

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project: Frankie & Benny's Camel Gate, Spalding

drawing title: Landscape Proposals

scale(s):	1:100@A1 / 1:200@A3	date: JULY 08	drawn by: LC	checked: AMcN
drawing number: 768-01.01			status: PLANNING	
xrefs:			rev:	

planning environment design

DETER... PL...

Planning Department
18 JUL 2008
Ref: 0510/08