Key

- Proposed hedges Mixed native species & single species
- Mixed ornamental planting emphasis on sensory benefits
- Proposed trees Native, ornamental & fruit types
- Feature festive conifer
- Multi-stem trees/ specimen shrubs
- Turf areas
- Wildflower turf
- Rose arbor
- Benches
- Bird feeder
- Vegetable Trug planters
- Jacksons Sentry metal railings with matching gate or similar
- Jacksons Urban fencing good both sides 1.8m high & matching pedestrian gate or similar
- Timber knee rail
- Pcc Flag paving
- Main pedestrian access Pcc granite aggregate setts
- Car park bays in Pcc block paving, white marker blocks to define bays
- Tar spray & chip with aluminium edges
- Parking bay Pcc flag step out strip
- Artwork sculpture installation
- Car park bollard
- Existing tree to be removed

Planting specification

Topsoil

Prior to supply and spreading of topsoil, all subsoil areas are to be ripped (subject to site specific geology) to alleviate compaction and improve aeration in accordance with BS 3882:2015 British standard for Topsoil, Annex A Recommendations for stripping, handling and preparing topsoil.

The topsoil is to comply with the British Standard BS 3882:2015 definition for Multipurpose grade topsoil, and is to be accompanied with a test certificate and horticultural analysis summary for approval by the landscape architect prior to delivery to site.

Provide a minimum of one week's notice.

Existing subsoil to be broken up to 300mm depth in planting areas.
Grass turf/seed – 150mm depth
Hedge lines – 450mm depth
Wood land mix/shrub mix/fruit/u planting – 450mm depth
Wildflower seed – 100mm depth

Trees

Trees shall be set in pits 900mm dia 600mm 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, Swrzsbion Flora 11-9-8 + 3% MgO granular controlled release, or similar approved.
Small trees/ Specimen shrubs to be set in 750 x 750mm pits and backfilled with topsoil, compost and fertiliser mix at a rate as for the trees.
Each tree shall be planted to the original depth and secured by two stakes 1.4m in length and a timber cross bar with soft rubber block and belting. After planting all trees shall be thoroughly watered in and a 50mm depth layer of Melcourt ornamental Bark Mulch 5–20mm with minimal dust and fines and less than 1% wood content or similar approved spread over the tree pit. Allow one clear spiral guard and one 2.0m x 50mm Abaco 'dwarf sidewing pine with 4cm inset per tree – Supplier Greenloch Tel: 01623 333180 or similar approved.
Trees planted in grass are to have a 1m diameter turf cut around the base of the tree and circle filled with bark mulch to 50mm depth.

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 systems 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.
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, Swrzsbion Flora 11-9-8 + 3% MgO granular controlled release, or similar approved, thoroughly working in during incertion.
Shrub planting pits should be 150 mm wider than roots when fully spread. Backfill with excavated material. After planting thoroughly water in need delay without damaging or displacing plants or soil.
Lightly fine soil around plants and fork and/ or rake soil, to a fine tilth with gentle cambers and no hollows. Avoid damaging plants. A 50mm depth layer of Melcourt ornamental Bark Mulch 5–20mm with minimal dust and fines and less than 1% wood content or similar approved spread is to be spread over entire bed. The mulch shall be free of pests, disease, fungus and weeds.

Hedges

Hedge trenches shall be dug 450 mm wide x 450 mm deep, 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. Single species hedges are to be planted in single line rows to the density shown. All stock shall be planted to the root collar and well firmed in place. A 50mm layer of Melcourt ornamental bark or similar approved shall be spread over the trench. All stock shall be thoroughly watered in.

Grass – turf

Nutsery Meds Sos™ turf to BS3936 (Or equal and approved turf)

Typical mixture:

• Delta	Perennial Ryegrass	12.5%
• Sevenigeon	Perennial Ryegrass	12.5%
• Casanova	Slender Creeping Red Fescue	20%
• Leonora	Slender Creeping Red Fescue	15%
• Musica	Chewings Fescue	20%
• Conni	Smooth Stalked Meadow Grass	10%
• Limousine	Smooth Stalked Meadow Grass	10%

Supplier: Nutsery Ltd
www.nutsery.co.uk

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

Grass – seed

A28 – All Purpose Landscaping, or equal and approved seed mixture.
Supplier: Germinal www.uk-retail.com
Sowing rate: 35g per m²

Typical Mixture:

• Corail	Strong Creeping Red Fescue	35%
• Terranova	Slender Creeping Red Fescue	10%
• Twitch	Creeping Perennial Ryegrass	25%
• Calibra	Perennial Ryegrass	25%
• Aber® Royal	Browntop Bentgrass	5%

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 roled to form a fine tilth. Broadcast at rate to 40g/m². Rake/harrow seed mix into the soil to a maximum depth of 50mm.

Maintenance

Carry out the operations in the following classes 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 on Completion and after any maintenance operations.
Maintain weed free area around each tree and shrub. Keep planting beds clear of weeds. 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 fork 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 approximately to spades, trowles, waves, and shape of growth, leaving a well balanced natural appearance. Trim lavender after flowering. Cut back herbaceous material in autumn.
All shrub beds shall be thoroughly watered as necessary for the continued thriving of all planting. In times of water shortage obtain instructions before proceeding.
Re-mulch at the end of the 12 month maintenance period to a depth of 50 mm 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 18 times per year and the cuttings collected up and carted off.
All arisings are to be removed. Spot treat persistent weeds with glyphosate.

INDICATIVE PLANT SCHEDULE

Trees

Species	Girth	Height	Pot Size	Specification
Acer campestre	14-16cm	400-450cm	80L	C :Extra Heavy Standard
Betula utilis jacquemontii		3.0-3.5m		Multi-Stemmed
Cercis canadensis 'Forest Pansy'		125-150cm	45L	C
Ilex aquifolium 'Nella Stevens'	14-16cm	400-450cm	80L	C :Extra Heavy Standard
Liriodendron tulipifera 'Fastigiatum'	14-16cm	4.0-4.5m	80L	Extra Heavy Standard /C
Malus 'Bramley's seedling'			20-25L	
Malus 'Keswick codlin'			20-25L	Half Standard on MM106 rootstock
Malus 'Spartan'			20-25L	Half Standard on MM106 rootstock
Prunus 'Amanogawa'			20-25L	Half Standard on MM106 rootstock
Prunus domestica syriaca hubertus			20-25L	Half Standard on MM106 Rootstock
Prunus 'Amanogawa'	14-16cm	4.0-4.5m	80L	C: Extra Heavy Standard
Prunus domestic 'Czar'			20-25L	Half Standard on MM106 rootstock
Prunus avium 'Plena Plena'	14-16cm	4.0-4.5m	80L	C: Extra Heavy Standard
Sorbus 'Edulis'	14-16cm	400-450cm	80L	C :Extra Heavy Standard

Conifers

Species	Height	Pot Size	Specification
Abies nordmanniana	200-250cm	80L	C: Feather

Hedging

Species	Pot Size	Height	Specification	Density
Griselinia littoralis	3L	80-100cm	C: Selected 90cm	5/m
Acer campestre	2L	60-90cm		5/m
Crataegus monogyna	2L	60-90cm		5/m
Ilex aquifolium	2L	60-90cm		5/m
Prunus spinosa	2L	60-90cm		5/m
Prunus padus	2L	60-90cm		5/m

Shrubs

Species	Pot Size	Height	Specification
Aralia elata	15L	200-250cm	C
Buxus sempervirens	5L	100-125cm	C: Topiary cone
Choisya 'Aztec Pearl'	3L	30-40cm	C
Cistus corbariensis	3L	30-40cm	C
Cistus pulverulentus 'Sunset'	3L	40-60cm	C
Cistus purpureus 'Alan Fradd'	3L	20-30cm	C
Cordyline australis 'Purpurea'	3L	30-40cm	C
Cornus alba 'Kesselringii'	3L	40-60cm	C
Euonymus fortunei 'Emerald Gaiety'	3L	20-30cm	C
Fatsia japonica	10L	80-100cm	C
Fatsia japonica	3L	60-80cm	C
Griselinia littoralis	3L	80-100cm	C: Selected 90cm
Hebe 'Mrs Winder'	3L	30-40cm	C
Hebe pinguifolia 'Sutherlandii'	3L	20-30cm	C
Hebe rakaiensis	3L	30-40cm	C
Hydrangea arborescens 'Annabelle'	3L	40-60cm	C
Hydrangea macrophylla 'Mariesii perfecta'	3L	40-60cm	C
Hydrangea paniculata 'Kyushu'	15L	Selected to 90cm	
Lamium maculatum 'Beacon Silver'	2L		Full Pot
Lavandula angustifolia 'Hidcote'	2L	15-20cm	C
Lavandula angustifolia 'Munstead'	3L		C
Magnolia soulangeana	43-65L	150-175cm	C
Mahonia media 'Charity'	3L	40-60cm	C
Mahonia media 'Charity'	25L	125-150cm	C
Nandina domestica 'Firepower'	3L	20-30cm	C
Perovskia atriplicifolia 'Blue Spire'	3L	30-40cm	C
Phormium tenax 'Bronze Baby'	3L	40-60cm	C
Pittosporum tenuifolium 'Tom Thumb'	3L	20-30cm	C
Rosa 'Iceriss'	3L	20-30cm	C
Rosa 'La Sevillana'	3L	40-60cm	C
Rosa 'Queen Elizabeth'	3L	30-40cm	C
Rosmarinus officinalis 'Miss Jessopp's Upright'	3L	30-40cm	C
Salvia officinalis 'Purpurascens'	3L	30-40cm	C
Santolina pinnata ssp. 'Edward Bowles'	3L	30-30cm	C
Santolina rosmarinifolia	3L	40-60cm	C
Skimmia japonica 'Kew White'	3L	30-40cm	C
Skimmia japonica 'Rubella'	3L	20-30cm	C
Viburnum bodnantense 'Dawn'	5-7.5L	100-125cm	C
Viburnum davidii	3L	30-40cm	C
Viburnum tinus 'Eve Price'	18L	100-125cm	C
Vinca minor	2L	10-20cm	C

Climbers

Species	Pot Size	Height	Specification
Clematis 'The President'	3L	100-150cm	Caned
Clematis montana 'Pink Perfection'	3L	100-150cm	Caned
Parthenocissus quinquefolia	3L	80-100cm	Caned
Passiflora caerulea	5-7.5L	100-150cm	Caned /Caned
Rosa 'James Galway'	5-7.5L	60-80cm	C
Trachelospermum jasminoides	5-7.5L	100-150cm	Caned
Vitis coignetiae	5-7.5L	100-150cm	Caned
Wisteria sinensis 'Blue sapphire'	5-7.5L	100-150cm	Caned

Ferns

Species	Pot Size	Specification
Aspinium scolopendrium	2L	Full Pot
Polystichum polyblepharum	2L	Full Pot
Polystichum setiferum 'Herrenhausen'	2L	Full Pot

Grasses

Species	Pot Size	Specification
Calamagrostis acutiflora 'Karl Foerster'	2L	Full Pot
Carex buchananii 'Red rooster'	2L	Full Pot
Carex elata 'Aurea'	2L	Full Pot
Festuca gautieri	2L	Full Pot
Festuca glauca 'Elijah Blue'	2L	Full Pot
Hachonechloa macra	2L	Full Pot
Miscanthus sinensis gracillimus	3L	Full Pot
Molinia caerulea 'Poul Petersen'	2L	Full Pot
Pennisetum alopecuroides 'Hameln'	2L	Full Pot
Stipa gigantea	2L	Full Pot
Stipa tenuissima 'Pony Tails'	2L	Full Pot
Uncinia uncinata 'Rubra'	2L	Full Pot

Bulbs

Species
Allium 'Globemaster'
Allium schoenoprasum
Eranthis hyemalis
Galanthus nivalis
Hyacinthoides non-scripta
Narcissus 'Unsurpassable'

Herbaceous

Species	Pot Size	Specification
Agapanthus 'Headbourne Hybrid'	2L	Full Pot
Alstroemeria 'Indian summer'	2L	Full Pot
Anemisia ludovicians 'Silver Queen'	2L	Full Pot
Astrantia major 'Hadspen Blood'	2L	Full Pot
Bergenia cordifolia 'Purpurea'	2L	Full Pot
Brunnera macrophylla 'Jack Frost'	2L	Full Pot
Campanula persicifolia 'Telham Beauty'	2L	Full Pot
Cordyline australis 'Purpurea'	5L	C
Crocosmia 'Lucifer'	2L	Full Pot
Dianthus 'Ever-blooming Mixed'	2L	Full Pot
Epimedium rubrum	2L	Full Pot
Erysimum 'Bowles Mauve'	2L	Full Pot
Euphorbia amygdaloides 'Purpurea'	2L	Full Pot
Euphorbia griffithii 'Gt. Dixter'	2L	Full Pot
Francoa sonchifolia	2L	Full Pot
Geranium 'Patricia'	2L	Full Pot
Geranium 'Rozanne'	2L	Full Pot
Geranium mac. 'White-Ness'	2L	Full Pot
Geranium macrorrhizum	2L	Full Pot
Geranium macrorrhizum 'Czakor'	2L	Full Pot
Geranium macrorrhizum 'White-Ness'	2L	Full Pot
Helichrysum italicum	2L	Full Pot
Helleborus 'Pink beauty'	2L	Full Pot
Helleborus argutifolius	2L	Full Pot
Helleborus orientalis mixed	2L	Full Pot
Hemerocallis 'Whichford'	2L	Full Pot
Heuchera 'Chocolate Ruffles'	2L	Full Pot
Heuchera 'Obsidian'	2L	Full Pot
Heuchera 'Snowstorm'	2L	Full Pot
Hosta sieboldiana elegans	2L	Full Pot
Iris foetidissima	2L	Full Pot
Iris pallida 'Argentea Variegata'	2L	Full Pot
Kniphofia 'Little Maid'	2L	Full Pot
Kniphofia 'Nancy's red'	2L	Full Pot
Kniphofia 'Percy's Pride'	2L	Full Pot
Kniphofia 'Royal Standard'	2L	Full Pot
Lamium maculatum 'Beacon Silver'	2L	Full Pot
Liriope muscari 'Big blue'	2L	Full Pot
Nepeta 'Six Hills Giant'	2L	Full Pot
Nepeta faassenii	2L	Full Pot
Origanum 'Norton Gold'	1-1.5L	
Penstemon 'Blue Riding Hood'	2L	Full Pot
Penstemon 'Evelyn'	2L	Full Pot
Penstemon 'Garnet'	2L	Full Pot
Penstemon 'Husker's red'	2L	Full Pot
Penstemon 'White Bedder'	2L	Full Pot
Penstemon heterophylus	2L	Full Pot
Perovskia atriplicifolia 'Blue Spire'	2L	Full Pot
Persicaria affinis 'Darjeeling Red'	2L	Full Pot
Persicaria amplexicaulis 'Firetail'	2L	Full Pot
Pulmonaria 'Blue Ensign'	2L	Full Pot
Rheum palmatum	5L	Full Pot
Rudbeckia 'Goldsturm'	2L	Full Pot
Salvia officinalis 'Purpurascens'	3L	Full Pot
Saxifraga x urbium	2L	Full Pot
Sedum spectabile	2L	Full Pot
Sedum spectabile 'Brilliant'	2L	Full Pot
Stachys byzantina	2L	Full Pot
Staphylea trifolia	2L	Full Pot
Symphytum ibericum	2L	Full Pot
Symphytum x uplandicum 'Variegatum'	2L	Full Pot
Tellima grandiflora	2L	Full Pot
Tiarella cordifolia	2L	Full Pot
Verbena bonariensis	2L	Full Pot

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Rev.	Date	Comments	Drawn	Chkd
C	09.04.20	Rev made to accord with comments made	IB	
B	06.04.20	Rev made to accord with comments made	IB	
A	01.04.20	Rev made to accord with comments made	IB	

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Project	Manor Park, Old Malton
Title	Landscape General Arrangement
Project No. SF 3035	Drawing No. LL01
Rev.	C
Scale 1:200	Date March 2020
Drawn by IB	Checked by MS

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