



PLANT SCHEDULE

November 2020

**ERECTION OF 5 DWELLINGS FOLLOWING DEMOLITION
OF EXISTING OUTBUILDINGS.**

AT

LAND TO THE REAR OF 7-15 STATION ROAD, KIRTON, BOSTON

by Framework Architecture and Urban Design Ltd

PC/PL/J1901

PLANT SCHEDULE:

ERECTION OF 5 DWELLINGS FOLLOWING DEMOLITION OF EXISTING OUTBUILDINGS AT LAND TO THE REAR OF 7-15 STATION ROAD, KIRTON, BOSTON

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The specification below assumes planting is to take place during October-March. If bare-root stock is to be planted outside this period, or if alternative container grown stock is to be used, approval by the Supervising Officer shall be sought. (Tree container size is specified in brackets). If planting out of season additional watering is to be provided by the Contractor.

Planting operations shall be carried out in general accordance with the requirements of Sections 7, 8 and 9 of B.S. 4428: 1989 'Recommendations for General Landscape Operations (Excluding Hard Surfaces)'.

All plants shall be adequately and carefully packed and protected to survive transport to site, by whatever means, without damage in loading, transit or unloading. If in spite of these precautions, roots, branches or shoots suffer slight damage, they shall be carefully pruned. If major damage has occurred, the plant shall be rejected and replaced.

All plants are to be of the species and variety specified within the Schedule. If, however, any plants are unobtainable at the time of ordering, the Contractor is to inform the Supervising Officer immediately and submit a list of alternatives for consideration.

Heeling in: After delivery, if planting is not carried out immediately, root-balled plants shall be covered with sand or fine soil and watered to prevent drying out. Bare-root plants shall be heeled-in by placing the roots in a prepared trench and covering them with fine soil and watered in to avoid air pockets around the roots.

Tree pits and holes for shrubs shall be large enough to receive the roots of the plant fully extended and well spread out. Topsoil shall be carefully worked among the roots during backfilling. Plants are to be well firmed by heeling and the surface left neat and even. Care must be taken not to disturb root-balls and not let roots dry out at any time.

Watering: Trees and shrubs shall be well watered immediately after planting. The full topsoil is to be wetted to soil field capacity without displacing seeds, plants or soil.

On no account must planting take place during frosty conditions or during a freezing wind. Exposed root-balls shall be wrapped in hessian if there is any danger of frost. The bottom and sides of tree pits, and piles of topsoil, must be protected from freezing by the use of boards, tarpaulins or other approved materials.



PLANT SCHEDULE:**ERECTION OF 5 DWELLINGS FOLLOWING DEMOLITION OF EXISTING OUTBUILDINGS AT LAND TO THE REAR OF 7-15 STATION ROAD, KIRTON, BOSTON****TREES****Total: 3No**

All trees are to be supplied with a clear stem to 1.8m min. All tree stock must comply in all respects with the current edition of B.S.3936. Trees shall be well grown nursery stock free from disease, true to type and of a size scheduled in accordance with the approved method of measurement.

(E'R')	Euonymus europaeus 'Red Cascade'		
	Selected standard 10-12cm girth, 300-360cm high, (45L)		1No
(M'L')	Magnolia x loebnerii 'Leonard Messell'		
	Standard tree 8-10cm girth, 250-300cm high, (25L)		1No
(P'U')	Prunus 'Uminenko'		
	Selected standard 10-12cm girth, 300-360cm high, (45L)		1No

Trees are to be planted in well-prepared pits, back-filled with good quality topsoil, (imported as necessary), mixed with compost and slow-release fertiliser. All trees are to be planted so that the top of the nursery mark is level with the final soil level. All advanced Nursery Stock (ANS) trees are to be planted with perforated coil pipe irrigation around root-ball.

Trees are to be appropriately supported by tanalised softwood stakes and adjustable rubber straps. Extra heavy ANS trees species are to be supported by means of below-ground anchoring. All other ANS and selected standard trees are to be supported with 2No stakes and cross bars. Standard trees are to be supported by means of single, angled stake. All stakes are to be positioned on side of prevailing wind.

Soil is to be back-filled in 150mm compacted layers and fit clear, 90cm high spiral rabbit guards around trunks. (See end of document for illustrations of tree planting and means of support).

BLOCK SHRUB MIX (BSM)**Total: 270No**

Aucuba japonica 'Rozzanie'	3L	300-450mm	10%	27No
Berberis atropurpurea 'Nana'	3L	300-450mm	20%	54No
Cotoneaster 'Coral Beauty'	3L	300-450mm	10%	27No
Cytisus x praecox	3L	300-450mm	10%	27No
Hebe rakaiensis	2L	250-300mm	10%	27No
Mahonia aquifolium	3L	300-450mm	10%	27No
Potentilla 'Elizabeth'	3L	300-450mm	10%	27No
Potentilla 'Red Ace'	3L	300-450mm	10%	27No
Rosa 'White Pet'		Bare root or cg.	10%	27No

Groups of at least 3, 5 or 7No of the same species are to be planted together and spaced approx. 600mm apart (2.75No per square metre). Aucuba, Berberis and Rosa species are to be planted towards front of border. Cytisus x praecox and Potentilla 'Elizabeth' are to be planted in the sunniest beds and parts of borders, and Aucuba and Mahonia species in beds with future shade beneath trees.



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Berberis thunbergii atropurpurea 'Nana'	3L	300-450mm	15%	11No
Epimedium x perralchicum 'Frohnleiten'	1L	Strong plant	15%	12No
Euonymus fortunei 'Emerald Gaiety'	3L	300-450mm	15%	11No
Euonymus fortunei 'Emerald n' Gold'	3L	300-450mm	15%	12No
Hypericum calycinum	3L	300-450mm	15%	11No
Potentilla 'Red Ace'	3L	300-450mm	15%	12No
Sarcococca humilis	3L	300-450mm	10%	7No

Groups of 3, 5 or 7No of the same species are to be planted together, spaced approximately 450mm apart, (5No per sq. m.), and arranged in beds so foliage and flower colour compliment each other, with Epimedium sp. to front of beds.

NON-MIXED HEDGE SPECIES**Total: 158No**

Bs	Buxus sempervirens	3L or root-balled	300-450mm	158No
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Plant Buxus in a double staggered row, 300mm apart, (7No per linear metre).

Beds to all shrub areas, single-species hedgerows are to be well prepared prior to planting with compost and slow-release fertiliser incorporated into soil. All weeds are to be removed from beds, allowing sufficient time to elapse for total herbicide to take effect. All debris, rubble and large stones are to be removed from beds during cultivation and soil levels adjusted as necessary to be level with adjacent paved surfaces. Ensure there is a minimum of 450-500mm topsoil and allow for importation of good quality topsoil free of weeds and rubble as necessary.

All shrubs and hedge plants are to be set out prior to planting to ensure spacing is correct. All plants are to be heeled in well and planted so that the top of the nursery mark is level with the final soil level. Upon completion all beds and hedgerows are to be watered, (if dry conditions prevail), to soil field capacity before spreading 75mm depth medium grade disease-free bark mulch. Note: The parallel rows of hedging are to be spaced 300mm apart.

Total shrub bed area, including hedges:**Approx. 58 square metres**

All weeds are to be removed from planting areas, allowing sufficient time to elapse for total herbicide to take effect. The ground will be cultivated to a depth of 150mm before planting work commences, to ensure that any ground compaction is broken up and weed competition removed.

All transplants are to be planted so the nursery mark is level with the final soil level. Transplants shall be protected by 60cm high x 3cm sq. guards, with an appropriate bamboo cane support. Note: The parallel rows of hedging are to be spaced 300mm apart.



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TURFING - GRASS SEED TO GARDENS

GRASS SEED / TURFING

The landscaping contractor shall liaise with the Client regarding the final requirements for either grass seed or turf to be sown or laid to front and side gardens. If turf is used as intended it shall be of good quality and laid to the highest standards following the same preparation as for seed, though topsoil shall be retained.

The grass seed mix is used it shall be Germinal Seeds GB Grade A19 Mix or similar and approved, consisting of:

25%	Lorina	Perennial Ryegrass
20%	Jasper	Strong Creeping Red Fescue
30%	Pintor	Hard Fescue
10%	Reubens	Flattened Meadow Grass
10%	Highland	Browntop Bent
5%	Aberherald	White Clover

Soil Preparation

Topsoil shall be retained and the levels to evenly graded. Prior to seed-bed cultivation, docks, thistles, nettles and pernicious weeds shall be removed with Glyphosate herbicide spray, (following manufacturer's instructions).

After weeds have been cleared all areas shall be cultivated to a depth of 10mm to create a fine surface tilth and stones and debris greater than 50mm diameter shall be removed. Cultivation shall be by hand within 3m of any existing trees. Final grading of topsoil shall be carried out to remove all minor hollows and ridges, and to provide gentle, even falls for drainage to avoid ponding hollows. Finished levels shall be 10mm above adjoining paving or kerbs. Seed shall be mixed thoroughly and regularly to ensure even species distribution.

Sowing

Do not seed when persistent cold or drying winds are likely to occur or when the soil is frost-bound, waterlogged or excessively dry. The sowing rate for grass areas to path verges shall be 35g / sq m.; the rate for wildflower / grass mix areas shall be 3-5g / sq m. sown in 2No equal sowings in transverse directions. The seed mix shall be raked or harrowed into the soil to a depth of 0.5cm. A roller shall be used to firm the seed-bed.

Following first year establishment cut at end of flowering period in September / October and remove all cuttings from site. Remove weeds by spot treatment with selective herbicide such as 'Roundup'.



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DEFECTS LIABILITY PERIOD

During the first 12 months following Practical Completion the Contractor shall replace, at his own expense, all trees, planting and areas of seeding which fail to make active growth, other than areas affected by vandalism. Heavy standard ANS trees are to be guaranteed for a total period of 24 months.

The Contractor will also be responsible for a programme of maintenance, including watering, for the communal / amenity planting areas during the first 24 months, to ensure successful establishment.

ONGOING REPLACEMENT

During and beyond the Defects Liability Period, for a period of up to five years from Practical Completion, any trees, planting or seeded areas that fail are to be replaced. The replacement species shall be as per this original Plant Schedule or of an equivalent approved variety.

During the five-year period all planted areas are to be kept weed free and watered to ensure plant establishment and survival. Watering shall be increased during prolonged periods of dry weather. Should regional watering restrictions be imposed during periods of drought, alternative and approved second-class sources of water shall be obtained and applied by means of a bowser.

