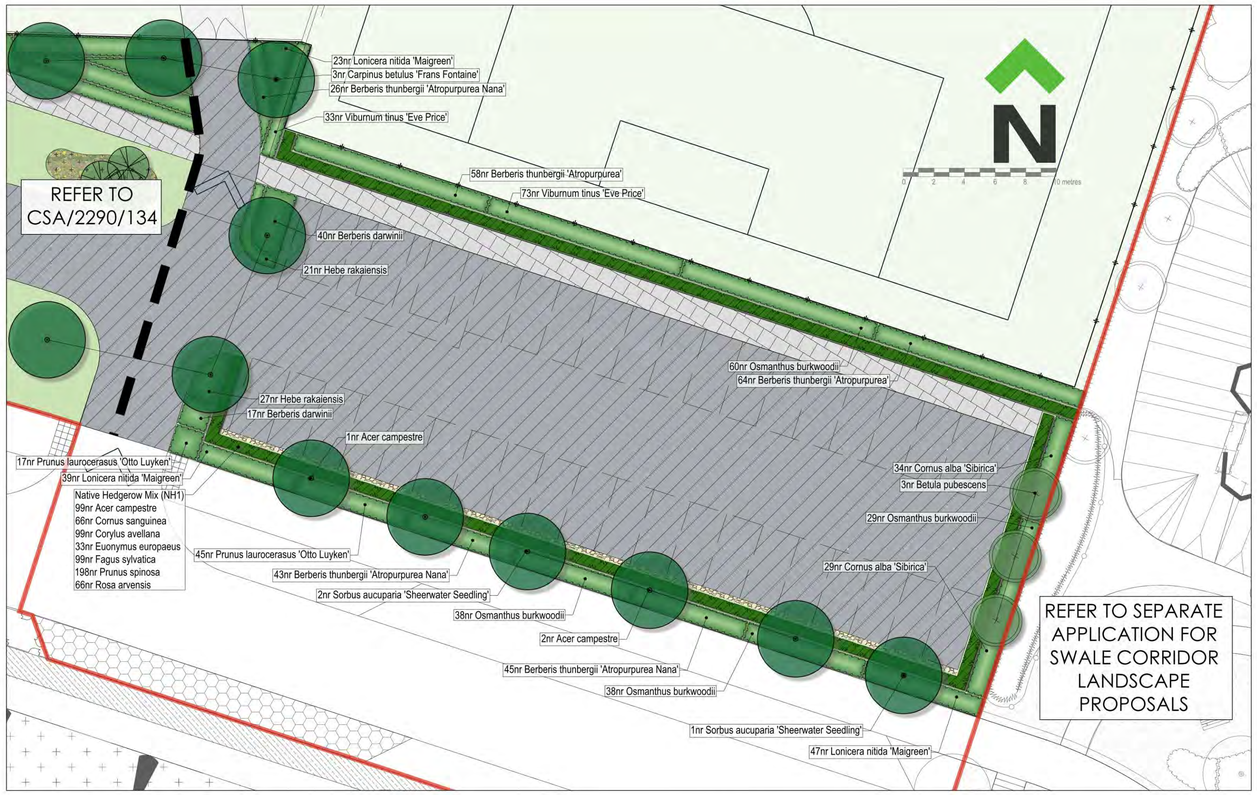


PLANTING SPECIFICATION

General Guidance

All plant handling to be in accordance with the HTA 'Handling and establishing landscape plants' Part I, Part II and Part III (obtainable from the Horticultural Trades Association) and the CPSE publication: 'Plant Handling' and all planting to conform to National Planting Specification Guidelines.

The individual setting-out of the plants on site shall be the responsibility of the contractor and should follow closely the locations shown on the detailed planting proposal drawings supplied by the landscape architect. Contractor to ensure that plants are equally spaced within individual planting groups.

Contractor to ensure that smaller plants are located to the front of plant species groups as shown on detailed planting plans.

Contractor shall maintain existing levels around the base of existing trees and shall undertake all planting works occurring within root protection areas (RPA) in accordance with BS5837:2012. Contractor shall not remove or relocate any tree protection fencing without prior consent of the client.

Contractor to check the locations of all underground services, existing and proposed, prior to the excavation of any tree pits or shrub beds and identify any potential conflicts to the client / landscape architect.

All arisings shall be removed from site and the contractor shall at all times, keep the site free from rubbish and debris.

For the duration of the works the contractor shall keep the site free from injurious weeds as listed in the Weeds Act 1959.

All plants should be supplied at the same size and of the same species as specified in the planting schedules on the landscape proposals plan. Any proposed replacement species or deviation from the planting schedules should be highlighted to and agreed with the client prior to installation.

All plants shall be hardened-off at the Contractor's own nursery or at the source prior to planting out.

All field grown and rootballed trees must have been transplanted or undercut in the nursery no less than 18 months prior to supply.

The Contractor shall carry out the work while soil and weather conditions are suitable. Planting is not to take place during periods of frost or strong winds.

The contractor is to ensure that adequate watering and weed control is provided at the time of planting.

Any topsoil retained on site in stockpiles for use in planting works is to be stored in accordance with the DEFRA publication; 'Code of practice for the sustainable use of soils on construction sites'

Do not use peat or peat based products.

Prior to planting, planting areas shall be cleared of grass and weed growth physically and/or chemically with a proprietary translocated herbicide and a period of time shall be allowed to elapse as recommended by the manufacturer before commencement of soil preparation for planting.

All plants are to be watered thoroughly before planting stage to ensure rootball is thoroughly soaked prior to final backfilling.

Tree Planting

Generally plant trees in pits with minimum dimensions of;-

- 1000 x 1000 x 700-800mm deep for trees in soft, planted areas including; grass/shrub areas and rear gardens.

Backfill the pits in layers as specified below (from bottom up);-

Drainage layer

- 200mm layer of compacted inert free draining gravel or pea shingle, wrapped in geo-textile membrane
- 100m layer of washed medium-course sand to act as blinding layer between geotextile and soil.

Topsoil layer

- 400-500mm layer of retained site-sourced topsoil (free from weeds) or imported topsoil (Multi-purpose grade to BS3882:2015; sandy loam); depth dependant on size of rootball.

Depth of topsoil should only be as deep as the rootball of proposed tree to a max. depth of 400-500mm. Should the rootball be larger i.e. 800mm height, then the pit should be increased in depth to suit, but with the difference in depth from the 400-500mm topsoil layer and the drainage layer made up of quality imported free-draining subsoil to BS8601:2013 to avoid topsoil occurring at depths of greater than 500mm.

As stated above, the min. pit size for trees planted in newly created planting areas should be 1m x 1m, however where planting is occurring in clean, undisturbed ground, pits should be dug to approx. 200mm greater than the rootball to limit distribution of surrounding soil structure.

Break up bottom of tree pit to a depth of 200mm and ensure ground is free-draining. Loosen edges of tree pit at time of planting by hand, using a fork to ensure good drainage. Pits should be excavated no greater than 48hrs prior to planting and dewatered as required.

Incorporate a soil conditioner/ameliorant in the form of peat-free tree and shrub compost or well rotted spent mushroom compost or 'Rootmaster' by Greentech Ltd (01423 332100) into backfilled topsoil material at the rate of min. 40L per pit.

Incorporate soil improver 'Terracottem Arbor' by Greentech Ltd (01423 332100) at a rate of 1kg per pit, mixed thoroughly into backfilled topsoil.

Backfill topsoil mix in layers of 150mm, firming at each layer and loosening the pit sides to aid drainage. The surface level of the pit should be 50mm above the surrounding ground.

Trees shall be planted in the centre of the excavated pits.

Trees in soft planted areas to be dressed with a minimum 75mm mulch layer, consisting of pine bark fines, particle size 15-50mm to a min. diameter of 1000-1200mm where appropriate.

Semi-mature trees shall be secured by use of a proprietary underground guying system, incorporating guy mats to protect the upper surface of the rootball and secured to the base of the tree pit or by use of deadman anchirs. Guying supports to be sized in line with the size of the tree as recommended by the manufacturers.

Extra-heavy and heavy standard trees shall be staked and supported with a low, double stake consisting of 2No. 75mm diameter x min. 2000mm length, rounded timber posts driven into the ground, 600mm above ground level and fixed to the tree by a proprietary rubber tree tie / horizontal cross support.

Standard trees shall be staked and supported with a low, single stake consisting of 1No. 75mm diameter x min. 2000mm length, rounded timber post driven into the ground at 45 degree angle to approx. 450mm above ground level and fixed to the tree by a proprietary rubber tree tie.

Trees shall be installed with proprietary flexible perforated irrigation/aeration pipe with integral cap. Pipe to be installed encircling equally around rootball to the full depth of planting pit, with the final cap section installed just above ground level and nailed securely in place to the adjacent timber stake.

All trees in grass areas to be protected by min. 450mm high (Rodent) x 38mm diam. proprietary biodegradable plastic spiral guards, by Green-tech Ltd. or equal and approved. Where trees have a basal trunk diameter greater than this, e.g. semi-mature, then two or more guards should be joined together using jointing tape and then secured in place.

Root Barrier Membranes

Where trees are proposed in close proximity to hard paved areas or proposed service runs, a root barrier membrane is to be installed as prescribed below.

For all proposed trees centred in a location within 3m of an adjacent hard standing/footpath or carriageway kerb line, a proprietary root barrier membrane will be installed to protect the hard standing and any underground services located beneath from future damage by tree roots.

Root barrier membrane(s) to be installed on the tree side along the back edge of the kerb / edging restraint to the adjacent hard standing and are to extend a minimum 3m in each direction from a point taken perpendicular from the tree trunk to the kerb/edging face.

Root barrier membranes are to extend to a depth as outlined below:-

- For trees adjacent to hard standings only (no underground services); install 'Reroot 300' by GreenBlue Urban (01424 717797) or equal and approved, ribbed root barrier membrane, to a depth of 300mm, ribs facing tree, joints fixed with jointing tape, install 10mm above final surface level of soft landscaping.
- For trees adjacent to hard standings incorporating underground services: install the following dependant on the depth of underground services;

For services 450mm deep

- 'Reroot 600' by GreenBlue Urban (01424 717797) or equal and approved, ribbed root barrier membrane, to a depth of 600mm, ribs facing tree, joints fixed with jointing tape, install 10mm above final surface level of soft landscaping.

For services 800mm deep

- 'Reroot 1000' by GreenBlue Urban (01424 717797) or equal and approved, ribbed root barrier membrane, to a depth of 1000mm, ribs facing tree, joints fixed with jointing tape, install 10mm above final surface level of soft landscaping.

For services deeper than 800mm

- 'Reroot 2000' by GreenBlue Urban (01424 717797) or equal and approved, ribbed root barrier membrane, to a depth of 2000mm, ribs facing tree, joints fixed with jointing tape, install 10mm above final surface level of soft landscaping.

For locations where a hard standing with or without underground services exists on both sides of the tree e.g. grass verge, then a root barrier is to be installed against both kerb / edging faces.

For trees located within hard surfaces themselves i.e. surrounded by hard paved surfaces, install 'Root Director' by GreenBlue Urban (01424 717797) or equal and approved, ref: RD1400; 1400mm x 1400mm x 450mm, plastic root director with integral ribs.

Ornamental Shrub Planting

Plant shrubs and groundcover into pre-prepared planting beds consisting of topsoil to a depth of no greater than 400mm, overlying clean, free-draining subsoil. Topsoil to be either; existing retained site sourced topsoil (free from weeds) or imported topsoil imported topsoil (Multi-purpose grade to BS3882:2015; sandy loam) or a combination of the two as necessary.

Subsoil layer to be fully broken-up to ensure adequate decompaction and alleviate free-drainage. For light and non-cohesive subsoils, when ground conditions are reasonably dry, loosen thoroughly to a depth of 300mm (450mm for stiff clay / cohesive soils). Remove all stones and debris greater than 50mm, including roots and tufts of grass. Top 50mm of subsoil to be reduced to a medium tilth suitable for final shaping using a grading blade.

Where applicable the use of a small tractor mounted single tine ripper to decompact subsoil layer sufficiently.

Incorporate a soil conditioner/ameliorant in the form of peat free general-purpose shrub compost or well rotted spent mushroom compost across the planting bed in a 50mm layer at a rate of 300g per m2; and incorporate to a depth of 225mm.

Install a proprietary geo-textile weed suppressant membrane onto the surface of the pre-prepared shrub planting beds with minimum 300mm laps. Once planting bed is prepared, dig planting holes for shrubs to be a depth of 200mm and a width or 150mm greater than the source pot size, ensuring that pit walls are loosened to ensure good drainage.

Ensure planting appears random / natural and not formal in accordance with the planting proposal layouts as supplied by the Landscape Architect.

All shrub areas to be dressed with a minimum 75mm mulch layer, consisting of medium chipped tree bark, composted for 2-4 weeks, particle size 15-50mm, laid directly onto weed suppressant membrane.

The contractor shall take the necessary precautions to ensure all shrub areas are protected throughout the establishment period by temporary fencing.

Ornamental Hedge Planting

Plant hedges into pre-prepared planting trenches, 500-600mm wide for double rows. Planting strips to consist of topsoil to a depth of 350-400mm, mixed with soil conditioner as specified below.

Topsoil to be either; existing retained site-sourced topsoil (free from weeds) or imported topsoil (Multi-purpose grade to BS3882:2015; sandy loam) or a combination of the two as necessary.

Incorporate a soil conditioner/ameliorant in the form of peat free general-purpose shrub compost or well rotted spent mushroom compost along planting trench in a 50mm layer at the rate of 300g per m2, and incorporate to a depth of 225mm.

Install a proprietary weed suppressant membrane onto the surface of the pre-prepared trench, with minimum 300mm laps. Plant hedge plants into pre-prepared planting strips which are deep enough as to be 200mm greater than the root depth of the supplied plant stock.

All hedge planting areas to be dressed with a minimum 75mm mulch layer, consisting of medium chipped tree bark, composted for 2-4 weeks, particle size 15-50mm, laid directly on weed suppressant membrane.

Where not planted against an proposed fence-line or wall, hedges to be supported by min. 1000 high timber post and wire fence, consisting of min. 75mm diameter x 2000mm long, rounded timber posts, driven in at 2000mm centres with 3No. galvanised wire supports evenly spaced along the vertical axis of the post. Corner posts and/or straining posts are to be additionally supported by 45° angled, 50mm diameter timber struts.

Thicket Planting

Generally clear any surface vegetation in proposed thicket areas, utilising proprietary herbicide where appropriate and install plants into isolated pre-prepared planting pits, generally 300 x 300 x 450mm deep or 200mm greater than the rootstock, whichever is greater, backfilling with either existing retained site sourced topsoil (free from weeds) or imported topsoil (sandy loam, General Purpose grade to BS3882:2015) or a combination of the two as necessary.

Incorporate a soil conditioner/ameliorant in the form of peat free tree and shrub compost or well rotted spent mushroom compost into backfill material at the rate of 5L per pit, incorporating a slow release fertiliser e.g. Enmag (or similar approved) at a rate of 5g per pit.

Ensure planting conforms to planting matrix where appropriate and in all other areas appears random / natural and not formal in accordance with the planting proposal layouts.

Plant Protection

Any standard trees in the woodland/thicket areas to be protected by min. 450mm high x 38mm diam. proprietary biodegradable plastic spiral guards, by Green-tech Ltd. or equal and approved.

All small / feathered trees within woodland/thicket areas to be protected by min. 1000-1500mm high x 80-110mm diam. proprietary biodegradable plastic mesh spiral tree guard, by Green-tech ltd. or equal and approved, and secured in place with min. 25mm square treated softwood timber stake and fixed with plastic cable ties. NB:- Should red or fallow deer reside in the locality the tree guards/shelters should be increased in height to 1.8m.

Any coniferous trees and/or beech transplants (Fagus sylvatica) within woodland/thicket areas must only be protected by open mesh tree guards.

All bushy thicket shrubs to be protected by min. 750mm high x 200mm diam, proprietary biodegradable plastic shrub shelters / spiral guards, by Green-tech Ltd. or equal and approved, and secured in place with treated softwood timber stake and plastic cable ties.

All single stem thicket transplants to be protected by min. 600mm high x 50mm proprietary biodegradable plastic spiral guards, by Green-tech Ltd. or equal and approved, secured with min. 12-14lb x 900mm long bamboo cane.

All woodland and thicket plants to be installed with a min. 500mm square, proprietary 'Treebio Biodegradable Weed Mat' mulch mat, by Green-tech Ltd. or equal and approved, securely pegged in place.

Where woodland / thicket areas are created from freshly cultivated ground i.e. not into the existing sward, then the planting area should be over-seeded with a proprietary meadow grass mix ('A4' mix by Germinal Seeds Ltd) at a rate of 35gs m2 between planting stations.

Amenity Turf Planting

Areas to be turfed are to be 'dug over' or rotovated to ensure decompaction of any existing substrate and then finely graded to bring to a uniform and even grade at the correct finished level, removing all minor hollows and ridges. Light rolling may be required to consolidate any loose substrate.

All stones and debris greater than 50mm in size to be removed and disposed of off-site.

Turfed areas are to consist of min. 150mm topsoil; either existing retained site sourced topsoil (free from weeds) or imported topsoil (Multi-purpose grade to BS3882:2015; sandy loam) or a combination of the two as necessary; overlying min. 150mm layer of clean, free-draining subsoil. Subsoil should be prepared as per shrub specification, ensuring full decompaction and free-drainage.

Unless otherwise stated, finished levels of turfed areas to be 30mm above adjoining paving and kerbs.

Final preparation of the turfed areas shall be carried out as to create a fine tilth surface suitable for laying of turves.

Prepared areas to be watered thoroughly to a depth of 75mm and lawn establishment fertiliser should be applied at a rate of 40gm2, 48hours prior to turfing. Fertiliser to be raked into top 25mm of the surface.

a. The area(s) are to be turfed between April and October with turf, as specified in the planting schedules (Appendix A).

b. Turves should be laid in a series of straight rows, with staggered joints. All joints are to be closely butted together. Timber planks should be used to spread the load of the installer during laying and areas are to be tamped down to ensure good contact between turves and the soil.

c. All turves should be laid within 24hours of delivery.

d. The contractor shall ensure that all turfed areas are watered fully at the time of installation to the full cultivated depth, and that sufficient subsequent watering is carried out to ensure healthy establishment of the grass sward.

Amenity Grass / Meadow Grass Seeding

Areas to be seeded are to be finely graded to bring to a uniform and even grade at the correct finished level and to remove all minor hollows and ridges. All stones and debris greater than 50mm in size to be removed and disposed of off-site.

Seeded areas are to consist of min. 150mm topsoil; either existing retained site sourced topsoil (free from weeds) or imported topsoil (Multi-purpose grade to BS3882:2015; sandy loam) or a combination of the two as necessary; overlying min. 150mm layer of clean, free-draining subsoil. Subsoil should be prepared as per shrub specification, ensuring full decompaction and free-drainage.

Unless otherwise stated, finished levels of seeded areas to be 30mm above adjoining paving and kerbs; 150mm below the dpc of adjoining buildings.

Final preparation of the seeded areas shall be carried out as to create a fine tilth surface suitable for seeding.

For amenity grass areas only, a pre-seeding fertiliser shall be applied at a rate of 25Okg/ha approx. 7 days prior to seeding and raked into top surface e.g. OroRight Lawn Establishment fertiliser by Rolawn Ltd, slow-release granular fertiliser, 7:10:10 NPK; or equal and approved by Landscape Architect.

The area(s) is to be seeded between April and October with approved grass seed mix, as specified in the planting schedules at the specified rate. Following seeding, areas are to be hand raked and lightly rolled.

The contractor shall take the necessary precautions to ensure all grass areas are protected throughout the establishment period, with the use of chestnut pale fencing where appropriate.

The contractor shall ensure that all seeded and turfed areas are watered fully at the time of installation to the full cultivated depth, and that sufficient subsequent watering is carried out to ensure healthy establishment of the grass sward.

General Planting Maintenance

All soft landscape areas to be maintained to BS7370-4:1993.

Sufficient watering should be undertaken by the contractor to establish and maintain healthy plant growth.

The first cut / mow of all amenity grass seeded / turf areas should be undertaken when the established sward reaches 50mm in height down to a height of 25mm, after which all amenity grassed areas should be maintained at a nominal height of 25-30mm (March to October). All arisings are to be removed from site and composted.

The first cut / mow of all meadow and wet meadow (wildflower) areas to be undertaken when the established sward reaches 50mm in height or weeds colonise to a height of 300mm (whichever is sooner), to a nominal height of 25mm.

For spring sown meadows/wet meadows, the second cut should take place about 8 weeks after sowing, after which establishing meadow should be cut monthly down to 100mm during the first growing season to control weed growth, after which all meadow grass areas should be cut twice annually (June and September), to a nominal height of 100mm; once any wildflowers have set seed.

For autumn sown meadows/wet meadows, the second cut should take place in April, after which establishing meadow should be cut monthly down to 100mm during the first growing season to control weed growth, after which all meadow grass areas should be cut twice annually (June and September), to a nominal height of 100mm, once any wildflowers have set seed.

All meadow arisings should be left lying for 48hrs before being removed from site and composted.

Meadow areas should be hand-weeded or spot swiped for any perennial weeds such as docks, nettles and ragwort.

All failed / defective plants identified within the first 5 years of installation should be replaced by the contractor at the soonest available planting season to ensure a continued coverage of growth. Replacement plants should be of the same species and specification of the failed specimens.

Bare areas and areas of dead grass which become apparent should be rectified by overseeding and/or turf re-installation at the soonest available planting season.

All amenity grassed areas and planting beds should receive an application of a proprietary slow release fertilizer twice yearly in the spring and the autumn.

All shrub planting and formal hedges shall be pruned at least twice per annum, removing dead or dying wood, to maintain a healthy, natural shape and promote good form.

Dead heading of herbaceous plants including flowering marginal aquatic plants, should be undertaken following flowering.

All planting areas should be kept tidy and free from weeds, trimmings, debris and litter. Weeds should be removed by hand unless where it is unfeasible; whereby weeds can be treated by the application of a suitable proprietary herbicide.

NB:- Herbicide usage to be limited to spray usage on calm days (no wind) and undertaken by suitably qualified operatives in accordance with current legislation.

Tree stakes, ties and guards should be checked annually for adjustment and/or replacement/removal as required.

Notes

- Refer to CSA/2290/136-137 for Play Area Proposals;
- Refer to CSA/2290/145 for Landscape Masterplan;
- Refer to Architect's drawings for boundary treatment details

PLANT SCHEDULE FOR CSA/2290/133-135

Hedgerow

Hedges to consist of double staggered row at 300mm centres, rows 300mm apart, approx. 5 plants per linear metre
Hedges to be supported by 1m high post and galvanised wire fence (min. 3 wires) running through centre of hedge between rows

Qty	Name	Common Name	Age	Height	Form	Girth	CirStm	Brks	Root	Cntr	Measure Unit	Density (m2/lin m)	Centres
24	Escallonia 'Apple Blossom' (Hedge)			40-60cm				5	C	5L	m	5.00	0.200
24													

Herbaceous - Bulb

Qty	Name	Common Name	Age	Height	Form	Girth	CirStm	Brks	Root	Cntr	Measure Unit	Density (m2/lin m)	Centres
2135	Narcissus cyclamineus 'Tete-a-Tete'	Daffodil							BB		m2	20.00	0.225
2135													

Herbaceous - Grass

Hedges to consist of double staggered row at 300mm centres, rows 300mm apart, approx. 5 plants per linear metre
Hedges to be supported by 1m high post and galvanised wire fence (min. 3 wires) running through centre of hedge between rows

Qty	Name	Common Name	Age	Height	Form	Girth	CirStm	Brks	Root	Cntr	Measure Unit	Density (m2/lin m)	Centres
257	Miscanthus sinensis 'Kleine Silberspleine'	Japanese Silver grass							C	3L	m2	5.00	0.450
257													

Native Hedgerow Mix (NH1)

Qty	Name	Common Name	Age	Height	Form	Girth	CirStm	Brks	Root	Cntr	Measure Unit	Density (m2/lin m)	Centres
276	Acer campestre	Field maple	1/1	60-80cm	Transplant			2	B		m	5.00	0.200
184	Cornus sanguinea	Common dogwood	1/1	60-80cm	Transplant			4	B		m	5.00	0.200
276	Corylus avellana	Hazel, Cobnut	1/0	60-80cm	Transplant				B		m	5.00	0.200
92	Euonymus europaeus	Spindle	1/2	60-80cm	Transplant			5	B		m	5.00	0.200
276	Fagus sylvatica	Beech	1/1	60-80cm	Transplant			3	B		m	5.00	0.200
552	Prunus spinosa	Blackthorn	1/1	60-80cm	Transplant				B		m	5.00	0.200
184	Rosa arvensis	Field rose	1/1	60-80cm	Transplant			2	B		m	5.00	0.200
1840													

Shrub

Qty	Name	Common Name	Age	Height	Form	Girth	CirStm	Brks	Root	Cntr	Measure Unit	Density (m2/lin m)	Centres
57	Berberis darwinii	Darwin barberry		30-40cm	Bushy			4	C	3L	m2	5.00	0.450
122	Berberis thunbergii 'Atropurpurea'	Barberry		30-40cm	Bush			5	C	3L	m2	4.00	0.500
325	Berberis thunbergii 'Atropurpurea Nana'	Barberry		15-20cm	Bush			4	C	3L	m2	5.00	0.450
774	Brachyglottis 'Sunshine'			30-40cm				3	C	3L	m2	5.00	0.450
69	Choisya 'Aztec Pearl'	Mexican orange		30-40cm	Bushy			5	C	3L	m2	5.00	0.450
321	Cistus corbariensis	Sun roses		30-40cm	Bushy			4	C	3L	m2	5.00	0.450
118	Cornus alba 'Sibirica'	Westonbirt dogwood		40-60cm	Bush			4	C	3L	m2	4.00	0.500
79	Euonymus japonicus 'Aureus'			40-50cm	Bushy			6	C	3L	m2	5.00	0.450
78	Fargesia murieliae 'Simba'	Bamboo		30-40cm	Bushy			5	C	3L	m2	5.00	0.450
147	Hebe 'Mette'	Hebe	2x	30-40cm	Bushy			4	C	3L	m2	5.00	0.450
71	Hebe rakaiensis	Hebe		20-30cm(D)	Bushy			5	C	3L	m2	5.00	0.450
272	Hebe 'Red Edge'	Hebe		20-30cm(D)	Bushy			5	C	3L	m2	5.00	0.450
24	Ilex crenata 'Convexa'	Holly	2x	20-30cm(D)	Bush			3	C	3L	m2	5.00	0.450
241	Lonicera nitida 'Maigreen'	Honeysuckle		30-40cm	Bushy			5	C	3L	m2	5.00	0.450
152	Lonicera pileata	Honeysuckle		30-40cm	Bush			5	C	3L	m2	4.00	0.500
206	Osmanthus burkwoodii	Osmanthus		30-40cm				4	C	3L	m2	4.00	0.500
30	Photinia x fraseri 'Red Robin'	Red-tipped photinia	2x	30-40cm				3	C	3L	m2	4.00	0.500
708	Prunus laurocerasus 'Otto Luyken'	Cherry laurel var.		30-40cm	Bushy			3	C	3L	m2	5.00	0.450
32	Spiraea japonica 'Goldflame'	Goldflame spirea		30-40cm	Bushy			6	C	3L	m2	4.00	0.500
57	Viburnum davidii	David viburnum		20-30cm(D)				3	C	3L	m2	5.00	0.450
156	Viburnum tinus 'Eve Price'	Laurustinus		30-40cm	Bushy			4	C	3L	m2	5.00	0.450
4039													

Shrub - Climber

All climbing shrubs to be supported by a minimum 1.5m tall timber trellis panel

Qty	Name	Common Name	Age	Height	Form	Girth	CirStm	Brks	Root	Cntr	Measure Unit	Density (m2/lin m)	Centres
4	Hedera helix 'Hibernica'	Ivy		60-80cm				5	C	3L	nr		
3	Jasminum nudiflorum	Winter jasmine		40-60cm				9	C	3L	nr		
7													

Specimen

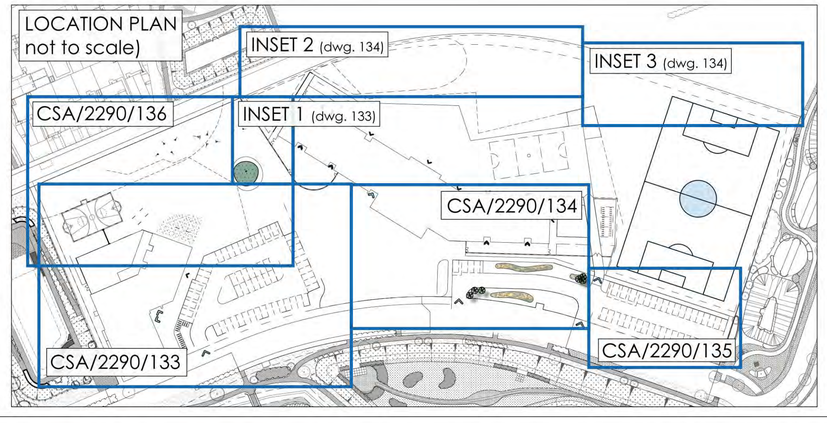
Qty	Name	Common Name	Age	Height	Form	Girth	CirStm	Brks	Root	Cntr	Measure Unit	Density (m2/lin m)	Centres
18	Kniphofia caulescens	Red-hot poker							C	3L	nr		
18													

Tree

Qty	Name	Common Name	Age	Height	Form	Girth	CirStm	Brks	Root	Cntr	Measure Unit	Density (m2/lin m)	Centres
3	Acer campestre	Field maple	2x	300-350cm	Standard	10-12cm	min 200cm	4	RB		nr		
3	Acer campestre	Field maple	3x	425-600cm	Standard (Extra Heavy)	14-16cm	175-200cm	5	RB		nr		
3	Acer freemanii 'Autumn Blaze'	Maple	3x	425-600cm	Standard (Extra Heavy)	14-16cm	175-200cm	7	RB		nr		
8	Acer platanoides 'Emerald Queen'	Emerald queen maple	3x	500-550cm	Semi-Mature	20-25cm	min 200cm		RB		nr		
2	Amelanchier arborea 'Robin Hill'	Serviceberry	3x	425-600cm	Standard (Extra Heavy)	14-16cm	175-200cm	5	RB		nr		
6	Amelanchier lamarckii (Multi-stem)	Snowy Mespilus	3x	300-350cm	Standard (Extra Heavy)	14-16cm			RB		nr		
7	Betula ermanii	Birch	3x	400-450cm		14-16cm	min 200cm	5	RB		nr		
7	Betula pubescens	Dowy Birch, White Birch	2x	300-350cm	Standard	10-12cm	175-200cm	4	RB		nr		
3	Carpinus betulus	Hornbeam	2x	300-350cm	Standard	10-12cm	175-200cm	4	RB		nr		
3	Carpinus betulus 'Frans Fontaine'	Hornbeam	3x	425-600cm	Standard (Extra Heavy)	14-16cm	175-200cm	5	RB		nr		
8	Corylus columa	Turkish hazel	3x	500-550cm	Semi-Mature	20-25cm	min 200cm		RB		nr		
2	Liquidambar styraciflua 'Worplesdon'	Sweet gum 'Worplesdon'	3x	500-550cm	Semi-Mature	20-25cm	min 200cm		RB		nr		
3	Prunus avium	Gean, Wild cherry	2x	300-350cm	Standard	10-12cm	175-200cm	5	RB		nr		
1	Prunus padus 'Albertii'	Bird cherry	3x	425-600cm	Standard (Extra Heavy)	14-16cm	175-200cm	5	RB		nr		
3	Prunus x schmittii		3x	425-600cm	Standard (Extra Heavy)	14-16cm	175-200cm	5	RB		nr		
2	Pyrus calleryana 'Chanticleer'	Callery pear var.	3x	425-600cm	Standard (Extra Heavy)	14-16cm	175-200cm	5	RB		nr		
3	Sorbus aucuparia 'Sheerwater Seedling'	European mountain ash	3x	425-600cm	Standard (Extra Heavy)	14-16cm	175-200cm	5	RB		nr		
2	Tilia cordata 'Green Spire'	Greenspire linden	3x	425-600cm	Standard (Extra Heavy)	14-16cm	175-200cm	5	RB		nr		
69													

Tree - Conifer (Tree)

Qty	Name	Common Name	Age	Height	Form	Girth	CirStm	Brks	Root	Cntr	Measure Unit	Density (m2/lin m)	Centres
5	Pinus sylvestris	Scots pine	4x	200-250cm					RB		nr		
5													
8394													



LEGEND

- APPLICATION BOUNDARY
- EXISTING TREES / VEGETATION

Softworks

- SEMI-MATURE TREE
- EXTRA HEAVY STANDARD TREE
- STANDARD TREE
- MULTI-STEM TREE
- NATIVE HEDGE PLANTING
- ORNAMENTAL HEDGE PLANTING
- ORNAMENTAL SHRUB / HERBACEOUS / GRASS PLANTING
- SPECIMEN SHRUB PLANTING
- CLIMBING SHRUB PLANTING
- AG-s — **AMENITY GRASS SEEDING -** 'A22 (Low Maintenance) seed mix by Germinal Seeds Ltd or equal and approved. 50g / m², overseed rate; 20g / m².
- AG-t — **AMENITY GRASS TURF -** 'Medallion' turf by Rolawn or equal and approved.
- BULB PLANTING
- **LINEAR RIBBED ROOT BARRIER -** soft landscaped area to be lined with linear ribbed root barrier as shown on plan,in order to protect paving from tree roots, type ReRoot by GreenBlue Urban Ltd. or equal and approved. Refer to Planting Specification on plan CSA/2290/135 for specification.

Hardworks

- **BITUMINOUS MACADAM SURFACE -** to footpath to Engineer's specification.
- **BITUMINOUS MACADAM SURFACE -** to vehicular areas to engineers details.
- **CONCRETE FLAG PAVING -** to plaza 'Saxon' concrete flag paving by Marshalls Ltd, 600x600x50mm, Natural colour, textured finish, staggered bond laying pattern.
- **CONCRETE BLOCK PAVING -** to plaza *'Keyblok Pencil Edge'* concrete block paving by Marshalls Ltd, 200x100x80mm, Charcoal colour, stretcher course laying pattern.
- **FLAG PAVING -** area adjacent to Formal Pond 'Conservation Textured' flag paving by Marshalls Ltd, 450x450x50mm, Silver Grey colour laid stack bond pattern.
- **CONCRETE SETT PAVING** - ramps 'Conservation' concrete block paving by Marshalls Ltd, 100x100x100mm, laid stack bond, textured finish, silver grey colour.
  NB: Kerb to be 'Conservation' kerb (255mm x 145mm) by Marshalls Ltd, silver grey colour; laid flush either side of rumble strip.
- **GRAVEL -** pea shingle laid to a depth of 100mm over non-biodegradeable geotextile membrane. Finished level to be 20mm below adjacent ground level
- **CONSERVATION KERB -**
  - to edge of oval grassed areas, laid with 150mm up-stand, supplied by Marshalls Ltd, 145x255mm, Silver Grey
  - laid flush to demark transition between surfaces, supplied by Marshalls Ltd, 145x255mm, silver grey.

Street Furniture

- **CONCRETE BENCH -** 'Orwell' backless concrete bench by Bailey Streetscene Ltd, L: 2428mm x D:400mm x H:450mm, Light Grey colour, Dressed finish; or equal and approved.
- **STAINLESS STEEL BOLLARD -** Mitred top stainless steel bollard by Bailey Streetscene Ltd, 1200mm high x 101mm dia. fixed 900mm above ground, or equal and approved.
- **PAVING STUDS -** to delineate school boundary Stainless steel, 90mm diameter, set flush with paved surface.
- **CYCLE STAND -** type Sheffield available from Broxap or equal and approved.

Notes:-
1) All surface materials are to be installed as specified of equal or approved specification to be agreed with Landscape Architect.
2) All kerbs to bituminous macadam areas to be British Standard concrete kerb (by Marshalls or equal and approved) with upstand to footways to engineers specification (nominally 100mm) or laid flush where different paving types meet (eg. driveways).
3) All block paved areas to recieve 'Conservation' kerbs by Marshalls or equal and approved; upstand to engineers details (nominally 20-50mm upstand).
4) All block paved parking bays to be demarked using 'T' marker blocks in white colour; 200 x 100 x 80mm.
5) All parking bays in macadam areas to be demarked by thermoplastic whitelining paint.
6) Refer to Site Plan by Architect for School and Community Centre boundary treatment details.

Rev	Date	By	Description
D	08.09.21	AM	Plaza design revised re: Client Comms.
C	15.05.20	AM	MUGA moved north to suit LPA Comms.
B	17.04.20	AM	Redline Boundary updated
A	01.04.20	SW	Hedge species changed to address Landscape Conultee's comments

Drawing Status
FOR PLANNING

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Project	North Wellingborough
Title	School and Community Centre Landscape Proposals Sheet 3 of 3
Client	Northants LLP
Scale	1:200 @ A1
Drawn	SW
Date	January 2020
Checked	GC
Drawing No.	CSA/2290/135
Rev	D

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