



KEY

Soft Works

- EXISTING TREES & HEDGES RETAINED & PROTECTED. REFER TO ARBORISTS AIA & AMS FOR DETAILS.
- PROPOSED TREE
- PROPOSED NATIVE HEDGE PLANTING.
- PROPOSED SEMI NATIVE PLANTING.
- PROPOSED GROUND COVER PLANTING.
- PROPOSED SHRUB AND HERBACEOUS PLANTING.
- PROPOSED GRAVEL OVER GEOTEXTILE SURFACE.
- HIGHWAY BOUNDARY.
- SITE BOUNDARY.
- PROPOSED ELEVATIONS. REFER TO ARCHITECT'S DETAILS.
- PROPOSED EV CHARGING POINTS. REFER TO ARCHITECT'S DETAILS.

PLANT SCHEDULE

TREES	QTY	CODE	PLANT NAME	STOCK	FORM	GIRTH/HEIGHT
	2No.	Ace Are EHS	Acer campestre 'Arends'	C 85L	STD	14-16cm
	10No.	Car bet EHS	Carpinus betulus	C 85L	STD	14-16cm
	3No.	Til cor EHS	Tilia cordata	C 85L	STD	14-16cm

SHRUBS	QTY	CODE	PLANT NAME	STOCK	SIZE	SPACING
	32No.	Cea BMo	Ceanothus 'Blue Mound'	C 3L	40-60cm	3/m2
	68No.	Cor sMFI	Cornus sanguinea 'Midwinter Fire'	C 3L	40-60cm	3/m2
	5No.	Cor ave 20L	Corylus avellana	C 20-30L	100-125cm	1/m2
	33No.	Euo SQ	Euonymus 'Silver Queen'	C 3L	20-30cm	4/m2
	82No.	Heb eve	Hebe evenosa	C 3L	20-30cm	4/m2
	19No.	Hyd Ann	Hydrangea arborescens 'Annabelle'	C 3L	40-60cm	3/m2
	10No.	Hyd que	Hydrangea quercifolia	C 3L	40-60cm	3/m2
	36No.	Hyp Hid	Hypericum 'Hidcote'	C 3L	40-60cm	4/m2
	110No.	Hyp mTr	Hypericum x moserianum 'Tricolor'	C 3L	40-60cm	4/m2
	97No.	Lon MaG	Lonicera nitida 'Maygreen'	C 3L	30-40cm	4/m2
	50No.	Phi BEI	Philadelphus 'Belle Etoile'	C 3L	30-40cm	3/m2
	62No.	Pho LRR	Photinia x fraseri 'Little Red Robin'	C 3L	40-60cm	4/m2
	6No.	Pru Otto	Prunus lauracerasus 'Otto Luyken'	C 3L	30-40cm	4/m2
	30No.	Pru Zabe	Prunus lauracerasus 'Zabelliana'	C 3L	30-40cm	4/m2
	43No.	Ros Bon	Rosa 'Bonica'	C 3L	30-40cm	5/m2
	19No.	Sar con	Sarcococca confusa	C 3L	20-30cm	4/m2
	42No.	Spi Smo	Spiraea nipponica 'Snowmound'	C 3L	40-60cm	4/m2
	2No.	Vib Mar 10L	Viburnum plicatum 'Mariesii'	C 10-15L	80-100cm	1/m2
	14No.	Vib Ste	Viburnum opulus 'Sterile'	C 3L	40-60cm	2/m2
	19No.	Vib EP	Viburnum tinus 'Eve price'	C 3L	30-40cm	2/m2

HEDGES	QTY	CODE	PLANT NAME	STOCK	SIZE
	15m	Hornbeam Hedge 4/m	Carpinus betulus	C 3L/BR	60-80cm
	60No.	Plants spaced @ 4/m in a Single Row			

HEDGE MIXES	PERCENT	QTY	PLANT NAME	STOCK	SIZE
	81m	NATIVE HEDGE MIX 31 planted @ 4/m in a double staggered row, 1.5m wide trench			
	20%	65No.	Corylus avellana	C 3L/BR	60-80cm
	20%	65No.	Cornus sanguinea	C 3L/BR	60-80cm
	20%	65No.	Euonymus europaeus	C 3L	60-80cm
	5%	16No.	Ilex aquifolium	C 3L	40-60cm
	5%	16No.	Rosa canina	C 3L/BR	60-80cm
	15%	49No.	Viburnum opulus	C 3L/BR	60-80cm
	15%	49No.	Viburnum lantana	C 3L/BR	60-80cm

Individual varieties to be planted in groups of approximately 7-11.

PLANT MIXES	PERCENT	QTY	PLANT NAME	STOCK	SIZE
	17m2	CORNUS MIX 3 planted @ 1.0m centres			
	40%	7No.	Cornus sanguinea	C 3L	60-80cm
	20%	3No.	Cornus Sibirica	C 3L	60-80cm
	20%	3No.	Cornus alba 'Kesselringii'	C 3L	60-80cm
	20%	3No.	Cornus alba 'Midwinter Fire'	C 3L	60-80cm

Individual varieties to be planted in groups of approximately 7-11 of same species.

PLANT MIXES	PERCENT	QTY	PLANT NAME	STOCK	SIZE
	65m2	CORNUS-HAZEL MIX planted @ 1.0m centres			
	40%	26No.	Corylus avellana	C 3L	60-80cm
	20%	13No.	Cornus Sibirica	C 3L	60-80cm
	20%	13No.	Cornus alba 'Kesselringii'	C 3L	60-80cm
	20%	13No.	Cornus alba 'Midwinter Fire'	C 3L	60-80cm

Individual varieties to be planted in groups of approximately 7-11 of same species.

NOTES AND ABBREVIATIONS:

- C = Container (or pot) grown, followed by size of the container (or pot)
 - EHS = Extra Heavy Standard 14-16cm girth
 - FORM = Shape of tree as supplied by the nursery
 - QTY = Quantity
 - SIZE = Height or Spread of juvenile plant
 - Std = (clear stem) Standard
 - STOCK = Root condition/protection method eg Bare root
 - Refer to specification for further information
 - All plants to be completely hardened off
 - Substitutions to be agreed with Landscape Architect
- Plant Schedule generated by "Qscape" software 08/12/2023

SCHEDULE OF QUANTITIES

SOFT LANDSCAPE TO GENERAL AREAS:	56m2	Planting-Groundcover Mixes
	134m2	Planting-Hedges-Native
	81m2	Planting-SemiNative Mixes
	139m2	Planting-Shrubs and Herbaceous
	7No.	Shrub-Specimen
	16No.	Tree - EHS

HARD LANDSCAPE TO GENERAL AREAS:	25m2	Gravel over geotextile membrane
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OUTLINE SPECIFICATION NOTES

IMPLEMENTATION PROGRAMME
Soft landscaping to be installed and implemented during the first planting season (Mid-November to Mid-March) after the substantial completion of the hardworks construction.

SERVICES
These landscape proposals have not been cross referenced against drainage or services/utilities plans. All service and utility locations to avoid potential conflicts with tree roots. Client/engineer to review and advise accordingly.

EXISTING VEGETATION
Existing vegetation shall be retained as indicated and shall not be affected by development. Tree and hedge protection fences shall be located to the edge of paved surfaces to minimise ground and soil damage and maximise tree root protection areas (RPAs). Refer to arborist details and ELD Fence locations on this plan.

TOPSOIL PREPARATION
Soil handling shall be stopped if the soil is frozen as well as during and after heavy rainfall, and should not continue until the soil has regained a non-plastic (friable) consistency to allow for decompaction, topsoiling and cultivation. All areas of planting outside of tree & hedge RPAs shall have subsoil decompacted to 500mm depth, prior to importing topsoil. Topsoil shall be 'as dug' or manufactured topsoil. All planting below existing trees shall use existing topsoil, with the addition of 50mm depth of peat tree compost. If a manufactured topsoil is spread, no additional compost is likely to be required in new borders.

Following 500mm depth of decompaction, all areas of planting outside of tree RPAs shall be topsoiled to a maximum depth of 400mm (if manufactured topsoil is imported), and a maximum of 300mm depth if an as dug topsoil is spread. All topsoil shall be spread over decompacted subsoil. All arisings shall be removed from the planting beds. All beds shall be cultivated to a depth of 250mm and raked to an even tilth prior to planting operations. All as dug topsoil beds/borders shall be covered with 50mm depth of peat free compost prior to final cultivation.

WEED/DEBRIS CLEARANCE
Where necessary areas to be planted or grassed shall be cleared of any grass, weed growth or debris physically and/or chemically with a translocated herbicide (Glyphosate) prior to cultivation operations. If necessary any further grass and weed growth shall be eradicated physically and/or chemically with a translocated herbicide. All roots of perennial weeds & woody plants shall be removed. More than one application may be necessary to ensure eradication.

PROPOSED TREES
All young trees shall have a proportionate, balanced height/stem girth ratio appropriate to the species, be self-supporting and able to stand upright with a straight stem, without the use of cane, stake or other form of support immediately after planting. All trees shall be container grown, free from circling or girdled roots and the natural root flare shall be visible at all times. Tree pits shall be square in shape, 1.2m x 1.2m and up to 0.4m deep, backfilled in layers and firmed in to avoid ground settling. Trees must not be buried deeper than the collar as per nursery containers.

All stakes shall be not less than 75mm diameter and 2.5m long, pressure impregnated with preservative to BS:1282, of a softwood source, free of any projections or bark and pointed at one end. Stakes shall be positioned on the windward side, set parallel with kerbs or border edges. It shall be driven into the pit prior to planting, to a depth 1.0m below the base of the pit, and following planting the stake shall be cut to a height of 1.0m above finished ground level. The tree shall be secured to the stake(s) using a "Rubberlock" standard belt tie with spacer blocks, or similar approved, wrapped around the trunk and passed through a rubber collar/spacer between the trunk and stake to prevent movement and chafing allowing for the radial expansion of the stem. Nail the buckle end of the tie to the stake within 50mm of the top of the stake using large head galvanised nails. Hessian ties are not robust and break soon after installation, so shall NOT be used.

All trees shall have a min. 2.5m long perforated pipe wrapped about the rootball, with 100mm left above ground level within mulch, to permit irrigation during dry weather. Each pipe shall have a lockable cap to the end to prevent ingress of mulch, vermin or rubbish. Supplied by Green-Tech, Tel: 01423 332100.

PROPOSED SHRUBS, HEDGES AND NATIVE PLANTING
Where ornamental shrub planting is specified next to hard landscape areas, haunching to kerbs shall be controlled by shuttering to avoid spread into planting areas and to maximise planting space. All shrubs shall be container grown, bushy and have a minimum of three breaks/branches from the base of the plant with full root development in the container. All shrubs shall be planted at even centres, offset by 0.5m from the edges of paving/fences to allow 0.3m of branch development.

All native shrubs shall be 3L container grown or bare root transplants, 60-80cm high or container grown stock depending on the planting season, as specified, for best changes of establishment. Native shrubs shall be planted as a mix of 5-11no of same species at centres according to the schedules.

Hedge trenches shall be 1.0-1.5m wide with plants planted centrally set 0.5m apart, at 4no/m, at densities specified. Topsoil is to be properly firmed around the roots. Immediately after planting all plants shall be well watered in at the rate of at least 2 litres per shrub and 5 gallons per tree. Water is to be applied at a rate which allows it to percolate into the soil around the roots, using appropriate equipment.

BARK MULCH

Following hedge and shrub planting, surface topsoil shall be mulched with composted bark mulch to form a depth of 50mm after settlement to the whole area and width of hedges. All mulch shall be a medium grade composted bark or similar approved, containing less than 5% wood. It shall be pest, disease and weed free with no Methyl Bromide contamination. Prior to mulching all beds shall be spread with a layer of slow release fertiliser and watered to field capacity.

RABBIT GUARDS

All trees and native hedgerow plants/screen planting mixes shall be protected using 600mm high x 50mm wide, clear, biodegradable 'Spiral Guard/Cone', to be held in place with bamboo canes, 12/14lb (weight/100), (transplants only).

HARD LANDSCAPE

Refer to the ELD Key for material type and size.

VALIDATION

The Landscape Architect may inspect the works, without notice, at any point during the project to ensure all soiling and planting specifications are complied with, to the required standards. Any works found to be substandard or at odds to the specification shall be made good, and/or replaced by the contractor at his own expense, unless proof of Landscape Architect substitution or variation approval can be provided.

IRRIGATION

The timing and frequency of irrigation should take into account the prevailing weather conditions, soil moisture release characteristics and the response of the shrubs to water deficits, or periods of prolonged soil saturation. The frequency of irrigation is more important than the volume of water given at any one time. Increased water volumes cannot compensate for a lack of frequency. All shrubs shall be irrigated as required, using appropriate water sources to maintain good and proper plant establishment. Monitoring is recommended if there are 10 consecutive days during the growing season at ≥25 °C. Water should only be added if soil moisture probe/tensiometer values indicate that it would be appropriate to do so.

MAINTENANCE / MAKING GOOD DEFECTS

The client shall be responsible for maintenance of grass and shrubs planted upon completion, or by arrangement with the contractor, to ensure plant survival and maintenance in perpetuity.

The following shall be carried out by client/contractor applicable:

- Plant failures:** All plants that die during the first 60 months following PC, from any cause shall be replaced by the Client.
- Weeds:** All borders shall be kept free of weeds for the duration of the 5 year maintenance period. This shall be by mechanical or chemical methods as appropriate; in line with the manufacturer's instructions and in compliance with the Pesticides Act (1998), taking care to avoid drift onto surrounding vegetation.
- Coppicing:** Certain species shall require cyclical coppicing, (cutting back to ground level), every few years to ensure new growth is maintained. These include: Cornus sps - Cut back every 3-5 years to maintain red stem colour as old wood loses its interest & Corylus, cut back every 7-10 years.
- Hedges:** Shall be trimmed to top and sides annually, to create an 'A' frame 1.5m high x 1.5m wide at the base, with trees growing through to natural form.
- Trees:** Ensure trees are maintained in an upright position at all times with stakes firm in the ground with no chafing to trunk.
- Rabbit guards:** Ensure no grass or weeds are growing within tubes, keeping support canes and plants straight at all times.
- Mulch:** All areas of bark mulch shall be topped up to 50mm depth at the end of the first 12 month period and once annually thereafter, to allow for settlement to 50mm.
- Pests & Disease:** All plants should be checked on a regular basis for pests and diseases. Remedial action should be taken promptly on discovery, where necessary.
- Pruning - General:** Any damaged shoots or branches shall be pruned off plants using appropriate secateurs/toppers. Shrubs shall be pruned as required to prevent encroachment and obstruction to access and to maintain shape and condition. All pruning undertaken in accordance with good horticultural practices. All arising shall be removed.

ALL DIMENSIONS TO BE CHECKED ON SITE. TO BE READ WITH ALL CONTRACT DOCUMENTATION. ANY DISCREPANCIES TO BE REPORTED TO THE CONTRACT ADMINISTRATOR. DO NOT SCALE FROM THIS DRAWING.
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N.B. THESE LANDSCAPE PROPOSALS HAVE NOT BEEN CROSS REFERENCED AGAINST DRAINAGE, SERVICES OR UTILITY LOCATIONS TO IDENTIFY ANY POTENTIAL CONFLICTS. CLIENT/ENGINEER TO CHECK AND ADVISE ACCORDINGLY.

Rev.	Date	Initials	Details

E·L·D
ELWOOD LANDSCAPE DESIGN
CHARTERED LANDSCAPE ARCHITECTS

Suffolk Office:
The Barn, Cherry Tree Farm, Mendlesham Green, Stowmarket, Suffolk IP14 5RQ.
Tel: 01449 768828 E: team@e-l-d.co.uk

Cambridgeshire Office:
The Nursery, Market Street, Fordham, Cambridgeshire, CB7 5LQ.
Tel: 01638 721066 E: team@e-l-d.co.uk

ISSUED BY

CLIENT: WELLSFIELD ASSOC.	PROJECT: PROPOSED ASDA AT FORMER FOX PH, HAVERHILL, CB9 7UD
DWG TITLE: DETAILED LANDSCAPE PROPOSALS	
SCALE: 1:200 @ A1	DATE: 1ST DECEMBER 2023
DRAWN BY: RE.	CHECKED BY: AE.
DRAWING NO: WELL 617/1-002	REV: P0