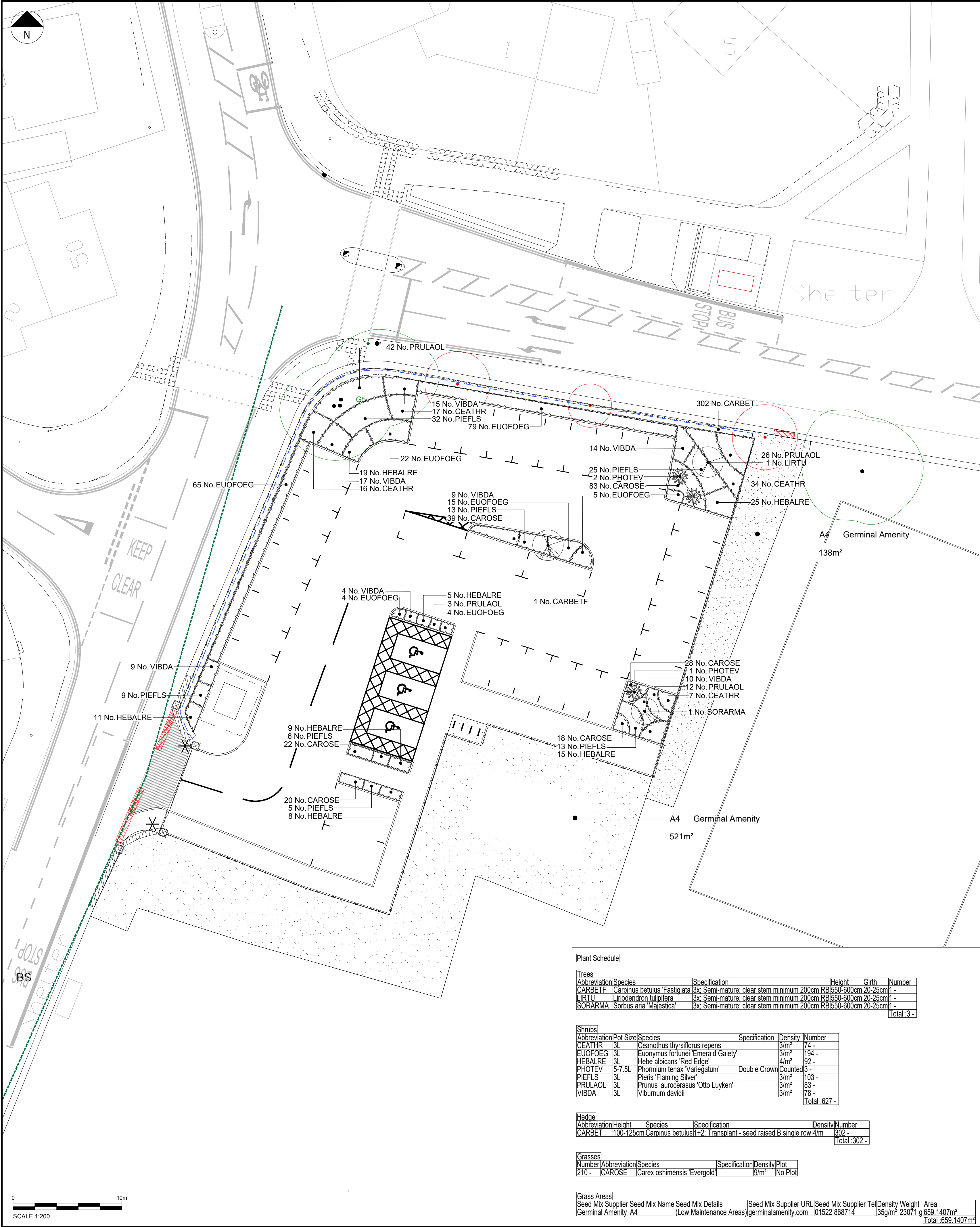




PLANTING NOTES

General

- Contractor to confirm positions of all buried utilities prior to commencement of landscape works. Proposals positioning in relation to underground services are subject to further on-site ground and utilities investigation.
- Existing trees to be retained should be protected during construction as per BS 5837 and arboricultural advice. Final determination of trees to be removed to be confirmed on site as per arboriculturalist advice.
- Plant material to conform to the National Plant Specification. Plant handling and planting operations to be in accordance with HTA 'Handling and Establishing Landscape Plants', Parts I-III.

Trees & Shrubs

- Planting the trees should be carried out in accordance with British Standard BS:8545 2014.
- Planting season: Late October to late March.
- Square-shaped tree pits to encourage root growth, the planting pit should be no deeper than the existing rootball or container depth.
- During excavation of the tree pit, the soil dug should be placed to one side separating topsoil and subsoil as far as is practical. Excavated topsoil to be free of perennial weeds, weed seeds and contamination and stone picked to remove any stones larger than 50mm prior to re-use.
- Excavated topsoil to be ameliorated and/or screened if necessary, to achieve this specification.
- Backfill should be added gradually, in layers of 150 mm to 230 mm depth. The layers should match the surrounding subsoil and topsoil as closely as possible. At each stage the fill should be firmed in to eliminate all air pockets under and around the root system, but with care being taken not to excessively compact the soil. The final layer of backfilling should not be consolidated but should be of a sufficient depth to allow for settlement and mulching. Approximately 200g of organic slow release fertilizer per tree shall be worked into the backfill mixture.
- All planting to be protected with guards with the exception of semi-mature sized trees.
- Semi-mature trees to be supported by 2no. tree stakes, 1no. crossbar, 1no. adjustable tree tie secured to crossbar and 1no. rubber block / similar spacer. Stakes in line with prevailing winds, or when planted on embankment, stakes to be parallel and to the top of the slope.
- The root flare of the newly planted tree should be clearly visible at the soil surface. It should not be buried by excess soil or mulch.
- Tree pit sides should not have compacted, glazed or smeared sides from digging. Sides of a planting pit that have been smeared or smoothed during excavation should be scarified.
- Ensure pit free of rubble or concrete before backfilling with soil, compost and fertilizer mix.
- The rootball or root-stem transition should be level with the existing host soil.
- Imported topsoil to BS 3882: 2015 general purpose grade and from an approved source. Soil pH 7.0. Topsoil to be free from excessive amount of weed seeds, roots of perennial weeds, subsoil and extraneous matter. Do not handle during or after heavy rainfall or when it is wetter than the plastic limit as defined by BS 3882.
- Mulch trees with matured coniferous bark, with an even particle size between 5-35mm, to 75mm minimum depth over weed-free soil after completion of planting and watering operations. Individual biodegradable mulch mats can be used as an alternative to bark mulch, especially in areas of high pedestrian traffic.

Hedgerow

- Hedge species to be planted in trenches large enough to take full spread of roots and backfilled with excavated or imported topsoil/compost.
- Planted in a single row 250mm apart. Protect plants with guards, fix with cable ties and support by timber stake, ensuring protection methods do not restrict natural movement or growth.
- Bark mulch, 75mm depth, to be applied around base of plants.

Maintenance

General

- Keep area litter free
- Water as necessary to ensure good establishment.
- Undertake basic formative pruning only or to ensure good health of the tree i.e. if signs of disease or damage from vandalism
- Keep area around base of tree weed free and top up mulch annually
- Ensure no mechanical grass cutting machinery is used within a 1m radius around the base of each tree
- Check stakes, tree ties and underground guys and tighten if necessary
- Replace dead or dying trees each winter with a like-for-like replacement (as trees mature the replacements will need to be of a size consistent with the surrounding trees)
- Remove stakes and ties when they are no longer required.

Amenity Grass

- Area to be treated with herbicide prior to establishing grass
- Mow regularly to maintain a height of 38mm or less. If grass growth is more than 50mm remove all arising's.
- Apply fertilizer annually

KEY: SOFTWORKS

- Existing tree
To be retained and protected during works.
- Trees to be removed.
Refer to drawings and report by 'We Know Services' Ref Windy Arbor for further information.
- Root Protection Zones
- Proposed trees
Refer to clause Q31.
- Proposed specimens
Refer to clause Q31.401.
- Proposed hedge planting
Refer to clause Q31.470.
- Proposed areas of shrub planting
Refer to clause Q31.401.
- Proposed grassed area
Refer to clause Q30.311.
- Proposed root barrier
Refer to clause Q31.510.

Note:
Existing Trees
Refer to drawings and report by We Know Services for further information.
Root Barriers
Are to be included to protect utilities in close proximity to trees, also to protect the existing perimeter wall to Windy Arbor Rd and Lickers Lane.
Planting
Topsoil spread evenly in layers not exceeding 150mm depth to 300mm depth after lightly firming and settlement, with 150mm depth of sub-soil. Refer to plant schedule. Planting beds to receive 75mm depth mulch.
Grass
A minimum of 200mm depth of cultivated topsoil should be spread before turfing or seeding take place. Top soil should ensure a level of fertility appropriate for a healthy grass sward development. Infill hollows and level the grassed area. Cultivate and over seed.
Mulch
At completion carefully spread a general purpose mulch - prepared in accordance with PAS 100 - to an even depth of 75mm to planting beds (sample supplier Green Tech Tel: 01423 332100) (or similar approved)
Hedges
All hedge trenches - 450mm min. depth x 600mm max. width. 75mm depth mulch. Before application of topsoil, mechanically loosen areas of hedge and thicket planting to a depth of 300mm.
Maintain at a height of 1.25m - 1.5m
Membrane
All loose material to be laid over a weed control membrane (sample supplier Green Tech Tel: 01423 332100) Groundcover Weed Control Fabric 100gsm, black woven polypropylene, 100g/m2, with appropriate fixings.
Services
General: The nature and condition of the site cannot be fully and certainly ascertained before it is opened up.
All planting areas to be checked for services, a minimum of 1m offset to be marked of all services found.
Exact locations of trees and tree pits to be confirmed on site by CA locations may change due to the locations of underground services, lighting columns and ducting.
Areas should be scanned for underground utilities prior to any works beginning on site.

Semi-mature Tree Pit Detail (Double Staked)

Typical Cross Section 1:20 works.

75x50mm untreated timber crossbar nailed to stakes with 2no. 100mm round headed nails per stake. Approved tree tie secured to crossbar with 2no. 40mm round headed nails - For further information refer Q31.550

Tree to be secured to crossbar using Abortie tree tie by Greenleaf or similar.

A Holdfast rubber block or similar spacer to be used to prevent abrasion to the tree.

2no. 100 Ø x 2000mm tree stakes, peeled but untreated straight lengths of larch or sweet chestnut pointed one end. To be driven into undisturbed ground min 600mm.

300mm depth Planting medium in accordance with BS 3882 2015. 4 parts topsoil to 1 part peat free compost (Melcourt topgrow or similar). Mycorrhiza application. Green-Tree or similar.

When backfilling ensure planting medium/ topsoil below root level is well firmed in 150mm layers Topsoil to be approved by Landscape Architect

75mm bark mulch - Refer to Q28.845.

Ground Level

Wavin coil watering system - Refer to Q31.512.

Tree root barrier to be provided if located within close proximity to services - Refer to Q31.510A

Scarify sides of pit

300mm depth Green-tree Sub Soil Layer to BS8601:2013 or similar

Ground to be broken to a depth of 150mm - Refer to Q31.505

Existing site material

1.2m

0.5m

0.45m

0.30m

0.15m

1m

0

1m

SCALE 1:20

NOTE: Refer to drawings:
Location Plan
70057126_WSP_XX_XX_DR_LA_0001
Planting Plan
70057126_WSP_XX_XX_DR_LA_0003
General Arrangement
70057126_WSP_XX_XX_DR_CE_0101
Proposed Levels
70057126_WSP_XX_XX_DR_CE_0102
Kerbing & Surface Finishes
70057126_WSP_XX_XX_DR_CE_0103
Boundary Treatments
70057126_WSP_XX_XX_DR_LA_0005
Construction Details
70057126_WSP_XX_XX_DR_LA_0006
Site Clearance
70057126_WSP_XX_XX_DR_LA_0008
Drainage
70063452-WSP-XX-XX-M2-DR-0003

Plant Schedule

Abbreviation	Species	Specification	Height	Girth	Number
CARBET	Carpinus betulus 'Fastigiata'	3x; Semi-mature; clear stem minimum 200cm RB	550-600cm	20-25cm	1
LIRTU	Liriodendron tulipifera	3x; Semi-mature; clear stem minimum 200cm RB	550-600cm	20-25cm	1
SORARMA	Sorbus aria 'Majestica'	3x; Semi-mature; clear stem minimum 200cm RB	550-600cm	20-25cm	1
					Total: 3

Abbreviation	Pot Size	Species	Specification	Density	Number
CEATHR	3L	Ceanothus thyrsiflorus repens		3/m²	74
EUOFOEG	3L	Euonymus fortunei 'Emerald Gaiety'		3/m²	134
HEBALRE	3L	Hebe albertana 'Red Edge'		4/m²	92
PHOTEV	5-7.5L	Phormium tenax 'Variegatum'	Double Crown	Counted	3
PIEFLS	3L	Pieris 'Flaming Silver'		3/m²	103
PRULAOL	3L	Prunus laurocerasus 'Otto Luyken'		3/m²	83
VIBDA	3L	Viburnum davidii		3/m²	78
					Total: 627

Abbreviation	Height	Species	Specification	Density	Number
CARBET	100-125cm	Carpinus betulus	1+2, Transplant - seed raised B single row	4/m²	302
					Total: 302

Number	Abbreviation	Species	Specification	Density	Plot
210	CAROSE	Carex oshimensis 'Evergold'		9/m²	No Plot

Seed Mix Supplier	Seed Mix Name	Seed Mix Details	Seed Mix Supplier URL	Seed Mix Supplier Tel	Density/Weight	Area
Germinal Amenity J44		(Low Maintenance Areas)	germinalamenity.com	01522 868714	35g/m²	123071 g/659,1407m²
					Total:	659,1407m²