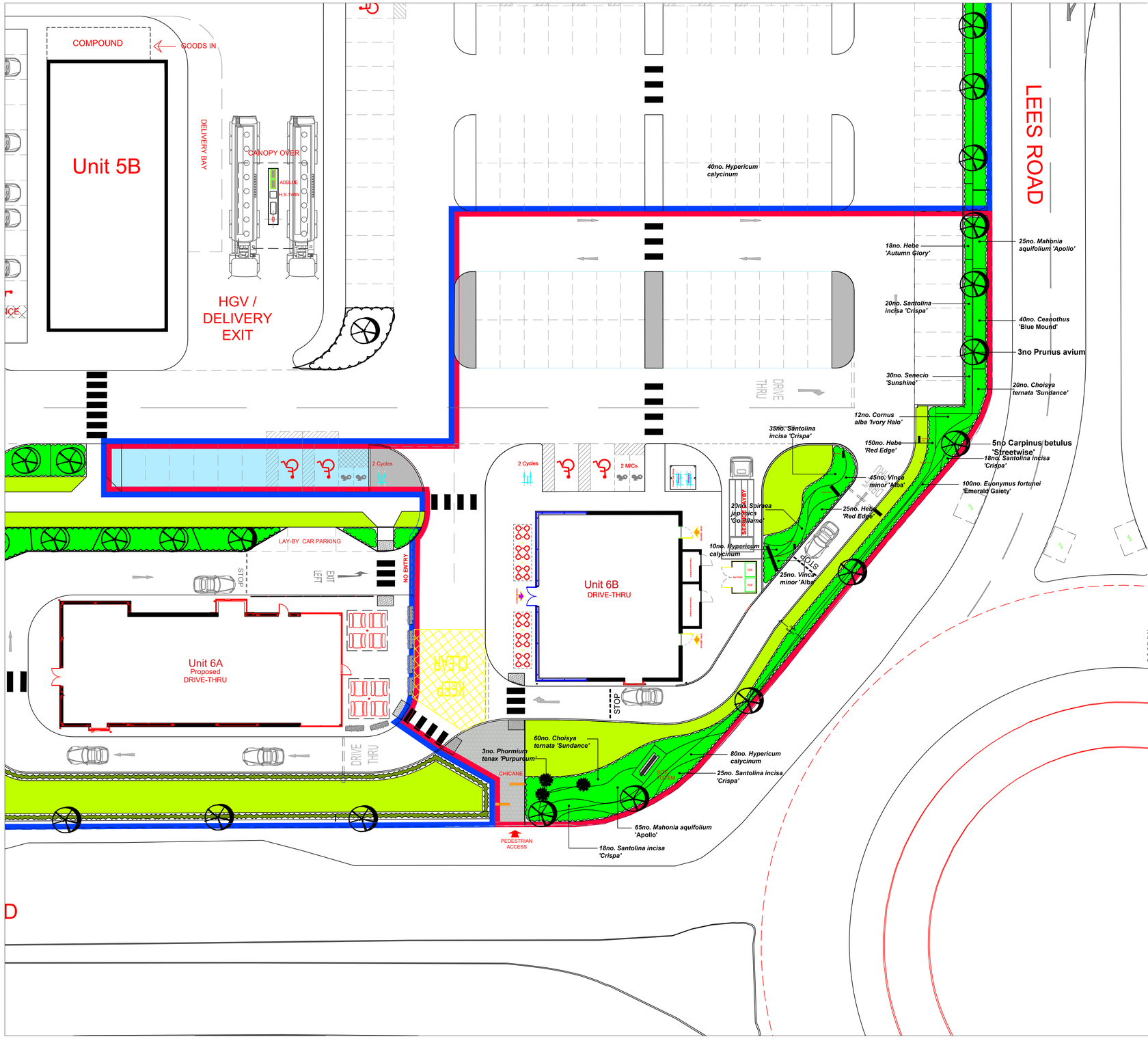


SOFT LANDSCAPE SPECIFICATION

Generally

1. Materials and workmanship shall generally be in accordance with the following documents:
2. *BS 3836-1:1992 Nursery Stock. Specification for Trees and Shrubs*
3. *BS 4428:1989 Code of Practice for General Landscape Operations*
4. Trees and other vegetation to be retained shall be protected in accordance with the provisions of *BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations*
5. *BS3882: 2015 Topsoil*

Groundworks

6. Groundworks for proposed planting shall be in accordance with BS 4428:1989. Areas for proposed tree planting shall be cleared of unsuitable materials, debris, concrete and the like to a depth of 900mm below ground level within a 2.0m radius of each tree. A minimum of 600mm imported topsoil shall be supplied for planting of trees. Areas for shrub and groundcover planting shall have clearance of unsuitable material to a depth of 600mm. A minimum of 400mm imported topsoil shall be supplied for planting of shrubs and groundcover. The bottom layer may be made up of approved sub-soil. The formation levels to all planted areas shall be ripped and broken up as necessary to a depth of 200mm to achieve suitable drainage.

7. A 50mm layer of approved non-peat based planting compost shall be applied over the whole surface of planting areas and cultivated into the soil.

8. All levels shall be brought up to an even grade to approved cambers, 25mm below adjacent kerb lines. The soil shall be firm with the top 25mm cultivated to a fine tilth. ENMAG or similar approved granular fertiliser shall be worked into the soil at a rate of 70 grams/m² to all areas to received planting.

9. All topsoil shall be stone picked, removing stones with a dimension in any direction of 25mm or over and re-graded to marry into adjacent levels prior to planting.

Planting

10. All trees shall be planted into pits which are dug at least 150mm wider and 75mm deeper than the existing root system/rootball. Pits shall be dug with vertical sides and the bottom and sides of the pits loosened with a fork to assist in free drainage and root penetration.
Any extraneous matter including weeds, broken brick and large stones shall be removed.

11. Excavated topsoil shall be set aside for reuse. The pits shall be backfilled with topsoil incorporating 2 nr 80 litre bags of tree planting compost.

12. All plant stock, shrubs and trees shall comply with the specified heights, spreads and container size as listed in the schedules. Any material which does not comply as delivered from the supplier shall be removed from the site and immediately replaced by the Contractor at his own expense.

13. All plants shall be free from disease, infestation and infection. They shall be first-class representatives of their normal variety or species and shall have average or normally well-developed branch systems together with good, vigorous, fibrous root systems through having been transplanted in the nursery from time to time according to the needs of the species. All plants should also comply, as a minimum standard, with the *Specification of Standards for British Container Grown Stock*, published by the Horticultural Trades Association June 1981.

14. Supply, storage and delivery of plants shall comply with the Plant Handling Code published by CPSE.

15. Planting shall be carried out in accordance with the drawings and/or Bills of Quantity if applicable. The number of each species and variety of plants will be evenly distributed over the allocated areas, making due allowance for adjacent groups. The Contractor shall clearly mark boundaries of planting areas, peg out beds and positions of plants and obtain approval of all setting out before commencing any planting.

All plant material shall generally be planted between November and March in open and cool weather. Planting shall not take place in frosty, snowy or waterlogged conditions. Where approved, pot or container grown plants may be planted outside the described season, but adequate watering shall be supplied.

16. All shrubs and hedging species shall be planted in pits 300mm deep and 300mm square.

17. All plants shall be planted to an equal depth as they were grown in the nursery. Roots shall not be bent, broken or forced into inadequate pits or notches.

18. Plants shall be upright, firmed in and wind resistant, with no air pockets around roots.

19. All whips and transplants shall be supplied and installed with 80mm diameter bio-degradable green tree shelters, supplied with and fixed into ground with timber pegs/stakes. Do not apply to feathered stock.
Holly species shall be supplied & installed with 250mm diameter fine mesh guard with 2no. supplied timber stakes.

20. All stock shall be notch planted with the exception of feathered stock and holly species which shall be pit planted.

21. All pots and root wrappings shall be carefully removed prior to planting. All pots and wrappings arising shall immediately be picked up and stored ready for removal to tip.

22. All trees shall be staked and tied as specified.
Stakes shall be 75mm diameter round section, peeled and pointed larch stakes, pressure impregnated with preservative. Ties shall be made from recycled PVC spacers.
Heavy standard trees to have 1 stake and 2 approved tree ties.
Extra heavy standard trees to have 2 stakes and 3 ties OR 2 low stakes with a cross-piece bar with tree secured with a PVC strap.

23. All trees planted within grassed areas shall be protected from mower and strimmer damage to the bark by a heavy a heavy duty strimmer guard such as StrimGuard, diameter 100mm x height 200mm or equal approved.

24. All planting shall be performed by experienced workmen, in accordance with the recognized best horticultural practice and under the supervision of the Contractor's skilled foreman.

Maintenance

25. All areas of planting shall be maintained up to practical completion. Maintenance shall include regular watering in periods of dry weather to maintain healthy growth, weeding by hand and by selective herbicide and control of any insects, fungus and other diseases by means of spraying with an approved insecticide or fungicide. Pruning to remove any damaged branches shall be undertaken together with the adjustment and repair of tree ties necessary to ensure proper and healthy growth of the plants and trees.

26. All planted areas shall be kept neat in appearance, including the removal of any sprayed out dead weeds, litter and prunings.

27. The defects liability period shall be 5 years from practical completion. During this period any trees and shrubs or other plants that are removed, damaged, die or fail to thrive shall be replaced as soon as practical unless the Local Authority gives written consent to any variation. Any such replacement shall be cultivated and maintained for 5 years and any failures within that 5 years shall be replaced to the satisfaction of the Local Authority. All replacement stock shall comply with the original specification and be obtained from a reputable nursery

KEY

- Proposed standard tree planting.
- Proposed amenity and wild life attracting shrub species. Ground cover to approximately 1200mm high.
- Proposed specimen shrubs
- Proposed hedgerows - maintained to a maximum of 1200mm high.
- Proposed areas of amenity grassland.

ACADEMY BUSINESS PARK, KNOWSLEY

PLANTING SCHEDULE

Refer to drawing no. 2271_11 Units 6B 1 & 2

TREES

No's	Species	Abbrev.	Common name	Girth (cms)	Height (cms)	Form/Pot si
5	*Carpinus betulus 'Streetwise'*	CBS	**Fastigiate hornbeam**	12-14	350/425	RB
3	*Prunus avium*	PA	**Wild cherry**	12-14	350/425	RB

SPECIMEN SHRUBS

No's	Species	Common name	Height (cms)	Form/Pot size	Notes
3	*Phormium tenax 'Purpureum'*	**Phormium**	80/100	15L	

SHRUBS

No's	Species	Common name	Height (cms)	Form/Pot size	Density/m²
40	*Ceanothus 'Blue Mound'*	**California lilac**	30/40	2Li 3 breaks	3
80	*Choisya ternata 'Sundance'*	**Mexican orange blossom**	30/40	5Li 5 breaks	3
12	*Cornus alba 'Ivory Halo'*	**Dogwood cultivar**	40/60	3Li 5 breaks	3
100	*Euonymus fortunei 'Emerald Gaiety'*	**Fortune's spindle**	30/40	3Li 5 breaks	3
18	*Hebe 'Autumn Glory'*	**Shrubby veronica**	30/40	5Li 5 breaks	3
25	*Hebe 'Red Edge'*	**Shrubby veronica**	30/40	5Li 5 breaks	3
100	*Hypericum calycinum*	**Rose of Sharon**	20/30	2Li 3 breaks	4
90	*Mahonia aquifolium 'Apollo'*	**Oregon grape**	20/30	3Li 5 breaks	3
135	*Santolina incisa 'Crispa'*	**Cotton lavender**	30/40	5Li 5 breaks	4
30	*Senecio 'Sunshine' (Brachyglottis)*	**Ragwort cultivar**	30/40	3Li 5 breaks	3
20	*Spiraea japonica 'Goldflame'*	**Japanese meadowsweet**	20/30	2Li 5 breaks	4
70	*Vinca minor 'Alba'*	**White periwinkle**	20/30	2Li 5 breaks	4

REVISIONS		

ACADEMY BUSINESS PARK, KNOWSLEY
Landscape Proposals - Unit 6B

NORTH

Project	Academy Business Park, Knowsley
Title	Landscape Proposals - Units 6B
Client	Orbit Developments
Date	June 2023
Scale	1:200@A1
Drawn	LAC
Drawing No.	2271_12
Checked	SW
Revision	

appletons

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