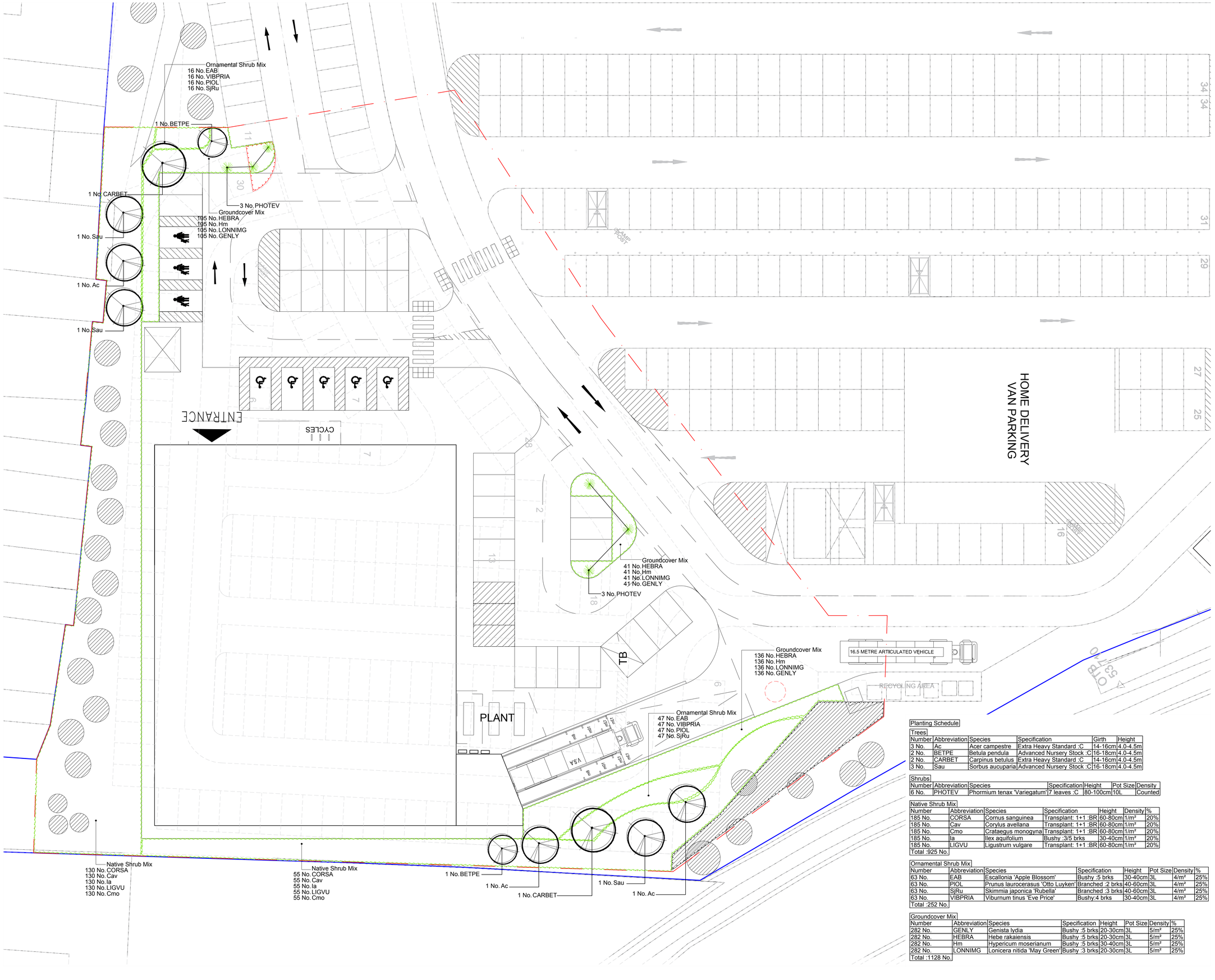


NOTES:
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KEY:

- Site Boundary
- Existing Vegetation to be Retained
- Existing Vegetation to be Removed
- Proposed Trees
- Proposed Hedge
- Proposed Feature Shrub
- Proposed Shrubs
- Existing Site Layout (as per S+SA drawing 6201 P02)
- Proposed Site Layout (as per S+SA drawing 6201 P03-E)

PLANTING NOTES
All plants to be supplied in accordance with the HTA 'National Plant Specification' and from a HTA certified nursery. All plants and trees to be planted in accordance with BS3936 and BS8545. Delivery and handling of all plant material to be in accordance with BS4428UCLI/CPSE 'Code of Practice for "Handling and Establishing Landscape Plants' Parts I, II and III and BS8545.

Planting Pit and Trench Preparation
Tree pits in soft landscape to be excavated to 1mx1mx1m depth prior to topsoiling and all shrub planting areas excavated to 450mm depth. All proposed hedge planting trenches to be excavated to 600mm depth.Unless otherwise specified, all tree pits in hard landscape to be 2mx2mx1m, backfilled with compacted Urban Tree Soil.
The preparation of planting pits, bed or trenches shall comply with the appropriate British Standards, namely BS4043, BS4428, BS5837 and BS8545.
Excavation of planting pits, beds or trenches shall not take place when the ground is frozen or waterlogged such that damage may occur to the structure of the soil. All excavated areas to be backfilled with either site won topsoil or imported topsoil to be BS3882-General purpose grade. All topsoiled areas to be clear of rocks and rubble larger than 50mm diameter and any other debris that may interfere with the establishment of plants. The Contractor shall break up and cultivate at the base of the trenches or planting pits. The sides of the trenches or planting pits shall be loosened with a fork or other similar implement. All stones and the like over 75mm in any dimension, deleterious matter, weeds and weed roots brought to the surface by any cultivation or excavation shall be removed off site. The Contractor shall remove off site the excavated subsoil/fill material when preparing planting pits. The imported topsoil should make up any deficiencies caused by the removal of the subsoil/fill material. Trenches and pits shall have the topsoil and any subsoil/fill material thoroughly broken up and mixed prior to backfilling.
All trees shall be supplied root balled, unless otherwise stated. Root balled trees shall be well grown, healthy and with a compact, contained rootball. They shall be nursery grown and have been regularly watered. Prior to planting, all plant material shall be stored and sorted at in accordance with best practice.

Planting
All plants shall be planted in a random fashion avoiding formal regimented lines at densities indicated in the schedule, unless otherwise specified. Unless otherwise specified, all hedgerows shall be planted in a double staggered rows and hedgerow mixes shall be planted in groups of 7, 9 & 13s at densities indicated on the schedule. Ornamental shrub planting mixes shall be planted in groups of 5, 7 & 11s and native shrub planting mixes shall be planted in groups of 9, 13 & 15s. The selection, procurement, handling, storage and planting operations of all proposed trees shall be in accordance with BS8545:2014 - Trees: from nursery to independence in the landscape, recommendations.
Planting and associated operations shall comply with BS4043, BS4428, BS5837 and BS8545. Unless otherwise stated planting shall be carried out during the period of 1 Nov to 31 March when the ground is not frozen or water logged. If planting is required outside this period agreement shall be sought and all bare root plants shall be substituted with container grown stock.

Watering
All plants shall be watered in to field capacity immediately after planting and mulched with 50mm depth of medium grade crushed mulch. The Contractor shall water the trees, shrubs and hedges once planted so that the entire tree pit or planted area is moistened to field capacity, i.e. "the amount of water retained by previously saturated soil once full drainage has ceased". Watering to field capacity shall continue frequently and on a regular basis as considered necessary by the landscape contractor and as necessary to ensure the successful establishment and continued thriving of all planting. Additional watering shall be undertaken during summer months and/or periods of drought. Post planting management and maintenance specifically for new tree planting shall include ongoing irrigation and formative pruning as outlined in BS8545. The period over which regular irrigation required for transplanted trees is likely to be at least two full growing seasons to ensure successful establishment. As the root system develops the frequency of irrigation can be reduced.

Staking
All trees within soft landscape areas to be double staked with cross bar and tied, using 1.5m long, 75mm diameter rounded tree stakes 75mm brace, rubber tie and spacer block. Stakes not to extend more than 650mm above ground level. All trees within hardstanding/highways visibility splays to be clear stem to 1.5m high unless otherwise specified. Trees within hardstanding / specific pits to be underground guyed unless otherwise specifed.

Root Barriers
Root barriers (ReRoot 1000 or equivalent) to be included adjacent to buildings and services where necessary. Landscape contractor shall check all planting operations comply with appropriate standards and that in the absence of detailed surveys, any necessary underground investigations are undertaken to ensure there are no conflicts with existing or proposed utilities, services or foundations.

PROTECTION OF EXISTING VEGETATION TO BE RETAINED
Existing trees to be retained shall be protected in accordance with BS5837, from commencement to completion of all works on site.

N.B. All planting proposals including tree planting have been developed in order to create a high quality environment and gain planning consent for the development. All tree species have been reviewed in line with NHBC guidance (2017) and in the absence of any building foundation depths or detailed soil analysis information for the site. Where possible only low and moderate water demand species are proposed in close proximity to new buildings. A number of varied cultivars of these species as well as ornamental species that have a smaller overall mature height (which are not currently assessed within NHBC guidance 2017) are proposed to provide variety in the scheme and engineer's should consider these locations & species. Where necessary new building foundation depths shall be designed to accommodate the approved tree species, site specific soil shrinkage and tree water demand in line with NHBC standards 2017 (Chapter 4.2 - Building Near Trees). Planting plans have been prepared for planning purposes and in the absence of fully detailed ground investigations, geological or hydrological surveys and planting design or species choice may be subject to change - suitability should be confirmed on site by the landscape contractor. Detailed site specific soil analysis and suitable site drainage should be checked by landscape contractor to ensure planting can be implemented in accordance with approved drawings prior to implementation.

Planting Schedule

Trees

Number	Abbreviation	Species	Specification	Girth	Height
3 No.	Ac	Acer campestre	Extra Heavy Standard :C	14-16cm	4.0-4.5m
2 No.	BETPE	Betula pendula	Advanced Nursery Stock :C	16-18cm	4.0-4.5m
2 No.	CARBET	Carpinus betulus	Extra Heavy Standard :C	14-16cm	4.0-4.5m
3 No.	Sau	Sorbus aucuparia	Advanced Nursery Stock :C	16-18cm	4.0-4.5m

Shrubs

Number	Abbreviation	Species	Specification	Height	Pot Size	Density
6 No.	PHOTEV	Phormium tenax 'Variegatum'	7 leaves :C	80-100cm	10L	Counted

Native Shrub Mix

Number	Abbreviation	Species	Specification	Height	Density	%
185 No.	CORSA	Cornus sanguinea	Transplant: 1+1 :BR	60-80cm	1/m²	20%
185 No.	Cav	Corylus avellana	Transplant: 1+1 :BR	60-80cm	1/m²	20%
185 No.	Cmo	Crataegus monogyna	Transplant: 1+1 :BR	60-80cm	1/m²	20%
185 No.	Ia	Ilex aquifolium	Bushy :3/5 brks	30-40cm	1/m²	20%
185 No.	LIGVU	Ligustrum vulgare	Transplant: 1+1 :BR	60-80cm	1/m²	20%
Total :925 No.						

Ornamental Shrub Mix

Number	Abbreviation	Species	Specification	Height	Pot Size	Density	%
63 No.	EAB	Escallonia 'Apple Blossom'	Bushy :5 brks	30-40cm	3L	4/m²	25%
63 No.	PIOL	Prunus laurocerasus 'Otto Luyken'	Branched :2 brks	40-60cm	3L	4/m²	25%
63 No.	SjRu	Skimmia japonica 'Rubella'	Branched :3 brks	40-60cm	3L	4/m²	25%
63 No.	VIBPRIA	Viburnum tinus 'Eve Price'	Bushy:4 brks	30-40cm	3L	4/m²	25%
Total :252 No.							

Groundcover Mix

Number	Abbreviation	Species	Specification	Height	Pot Size	Density	%
282 No.	GENLY	Genista lydia	Bushy :5 brks	20-30cm	3L	5/m²	25%
282 No.	HEBRA	Hebe rakaiensis	Bushy :5 brks	20-30cm	3L	5/m²	25%
282 No.	Hm	Hypericum moserianum	Bushy :5 brks	30-40cm	3L	5/m²	25%
282 No.	LONNIMG	Lonicera nitida 'May Green'	Bushy :3 brks	20-30cm	3L	5/m²	25%
Total :1128 No.							

REV	DATE	NOTE	Drawn	Chk'd

REVISIONS

aspect landscape planning

TITLE
Land at Tesco Extra, Wombwell Lane, Barnsley
Planting Plan

CLIENT
TESCO

SCALE	DATE	DRAWN	CHK'D
1:200 @ A1	NOV 2017	SFB	CJ

DRAWING NUMBER
6402 / ASP1

REVISION

Based on S+SA Architects drawing no. 6201 P03-E