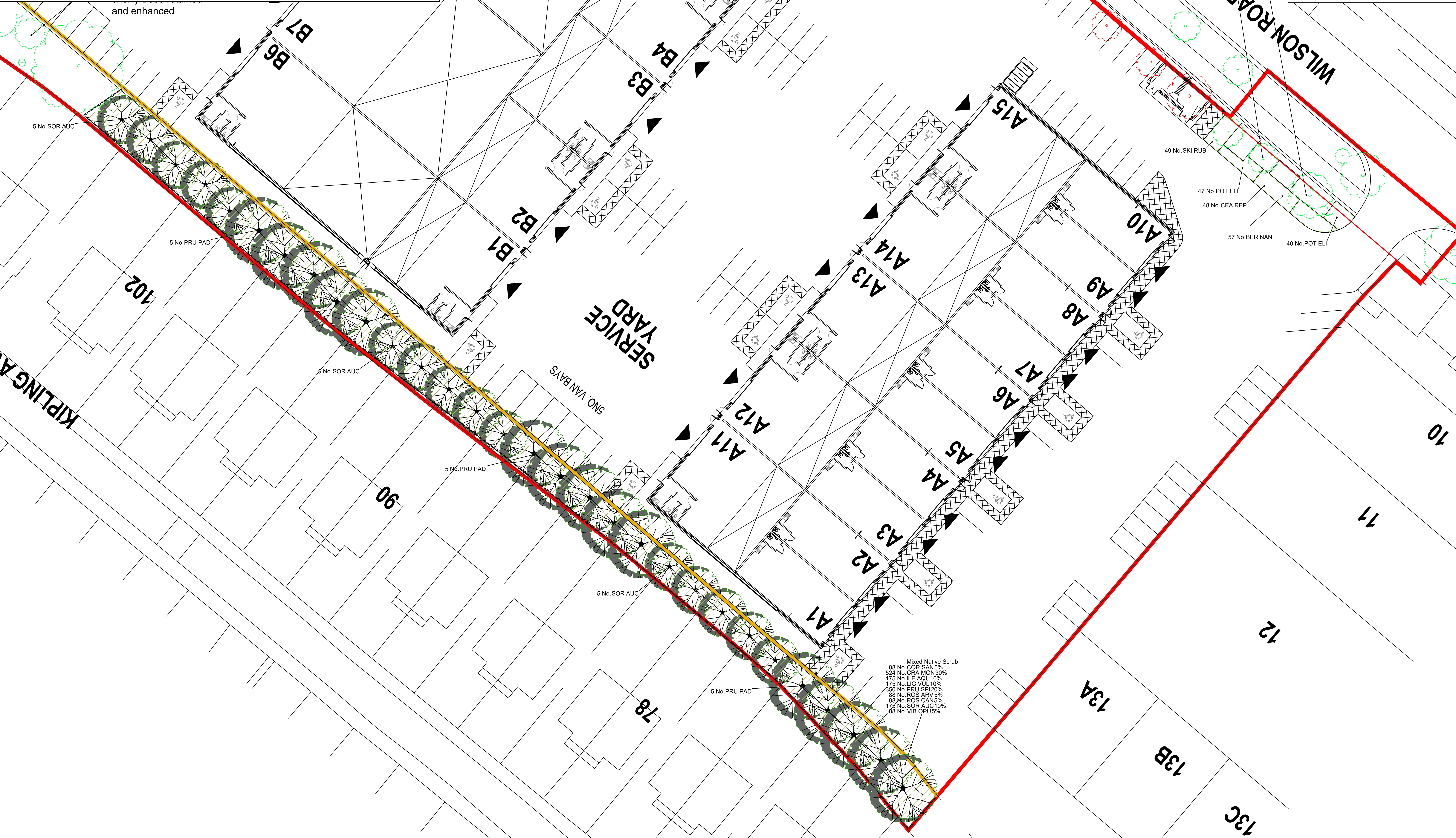


Plant Schedule						
Trees						
Number of Plants	Abbreviation	Species	Specification	Height	Girth	Density
1 -	BET FAS	Betula pendula 'Fastigiata'	Selected Standard: 4 brks: 2x: B. Clear Stem 175-200cm	300-350cm	10-12cm	Counted
15 -	PRU PAD	Prunus padus	Selected Standard: 4 brks: 2x: B. Clear Stem 175-200cm	300-350cm	10-12cm	Counted
15 -	SOR AUC	Sorbus aucuparia	Selected Standard: 4 brks: 2x: B. Clear Stem 175-200cm	300-350cm	10-12cm	Counted
1 -	SOR STR	Sorbus aucuparia 'Streetwise'	Selected Standard: 4 brks: 2x: B. Clear Stem 175-200cm	300-350cm	10-12cm	Counted
Total :32 -						

Shrubs						
Number of Plants	Abbreviation	Species	Specification	Height	Pot Size	Density
102 -	BER NAN	Berberis thunbergii 'Atropurpurea Nana'	Branched: 4 brks: C	20-25cm	3L	4/m²
48 -	CEA REP	Ceanothus thyrsiflorus repens	Bushy: 5 brks: C		3L	3/m²
18 -	CHO PEA	Choisya 'Aztec Pearl'	Bushy: 5 brks: C	30-40cm	3L	3/m²
15 -	ELA MAC	Elaeagnus pungens 'Maculata'	Branched: 3 brks: C	30-40cm	3L	3/m²
33 -	EUO GOL	Eunymus fortunei 'Emerald n' Gold'	Bushy: 7 brks: C	20-25cm	3L	3/m²
29 -	HEB ORM	Hebe 'Great Orme'	Bushy: 3 brks: C	30-40cm	3L	3/m²
29 -	HEB WIN	Hebe 'Mrs Winder'	Bushy: 5 brks: C	30-40cm	3L	3/m²
29 -	HEB RAK	Hebe rakaiensis	Bushy: 5 brks: C	3L	3/m²	3/m²
12 -	HYD WAV	Hydrangea macrophylla 'Blue Wave'	Branched: 5 brks: C	40-60cm	5L	2/m²
22 -	LON PIL	Lonicera pileata	Bushy: 6 brks: C	3L	3/m²	3/m²
15 -	PIE FLA	Pieris 'Forest Flame'	Bushy: 3 brks: C	30-40cm	3L	3/m²
87 -	POT ELI	Potentilla fruticosa 'Elizabeth'	Bushy: 3 brks: C	2L	4/m²	21.4103m²
83 -	SKI RUB	Skimmia japonica 'Rubella'	Bushy: 3 brks: C	30-40cm	4L	4/m²
59 -	SPI PRI	Spiraea japonica 'Little Princess'	Bushy: 5 brks: C	20-30cm	2L	4/m²
13 -	VIB DAV	Viburnum davidii	Bushy: 3 brks: C	20-30cm	3L	3/m²
Total :169.1455m²						

Mixed Native Scrub						
Number	Abbreviation	Species	Specification	Height	Density	Percentage Contribution
88 -	COR SAN	Cornus sanguinea	1+1: Transplant - seed raised: Branched: 3 brks: B	60-80cm	0.7Ctr	5%
524 -	CRA MON	Crataegus monogyna	1+1: Transplant - seed raised: B	60-80cm	0.7Ctr	30%
175 -	ILE AQU	Ilex aquifolium	Bushy: 3 brks: C	40-60cm	0.7Ctr	10%
175 -	LIG VUL	Ligustrum vulgare	0/2: Cutting: Branched: 3 brks: B	80-100cm	0.7Ctr	10%
350 -	PRU SPI	Prunus spinosa	1+1: Transplant - seed raised: Branched: 2 brks: B	60-80cm	0.7Ctr	20%
88 -	ROS ARV	Rosa arvensis	1+1: Transplant - seed raised: Branched: 2 brks: B	60-80cm	0.7Ctr	5%
88 -	ROS CAN	Rosa canina	1+1: Transplant - seed raised: Branched: 2 brks: B	60-80cm	0.7Ctr	5%
175 -	SOR AUC	Sorbus aucuparia	1+2: Feathered: B	100-125cm	0.7Ctr	10%
88 -	VIB OPU	Viburnum opulus	1+2: Transplant - seed raised: Branched: 3 brks: B	60-80cm	0.7Ctr	5%
Total :855.3238m²						



Mixed Native Scrub
88 No. COR SAN 5%
524 No. CRA MON 30%
175 No. ILE AQU 10%
350 No. PRU SPI 20%
88 No. ROS ARV 5%
88 No. ROS CAN 5%
175 No. SOR AUC 10%
88 No. VIB OPU 5%

Planting Plan Key:

- Site Boundary
- Existing trees and shrubs to be retained and protected during the works.
- Existing trees to be removed.
- Proposed ornamental planting on 400mm depth of topsoil with 75mm bark mulch.
- Proposed native tree planting, tree pit and double staking as detailed in the specification.
- Proposed ornamental tree planting, tree pit and double staking as detailed in the specification.
- Native scrub planting to be planted as 60-80cm whip planting at 0.7m centres for additional wildlife habitat.

DO NOT SCALE

ALL COORDINATES RELATED TO LOCAL GRID LOCATED TO OS NG 80 BEST FIT TO DETAIL, EXTRACTED FROM OS DIGITAL DATA.

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LANDSCAPE AND MAINTENANCE SPECIFICATION

All operations to comply with appropriate British Standards unless otherwise stated on drawings or in the specification.

GENERAL TREATMENT OF PLANTING AREAS

Ensure that planting areas are protected from consolidation by heavy construction plant.

For work near a retained tree: Refer to BS 5837 'Trees in relation to design, demolition & construction - Recommendations - Section 9 (Appendix C)'.
Damage to Plants to be Retained: If a plant is to be retained it is damaged, the plant is to be removed or replaced by the contractor at their own expense. 'Damage' means:
• The destruction or removal of the main growing branches or roots
• The severing of trunks or stems
• The contamination of root zone soil or plants from drift spray, dust or contaminated storm water
• The damage by the placement of fit or building materials within the canopy perimeter or otherwise

1) GROUND PREPARATION AND SOIL SPECIFICATION

Subsoil:
Before heavy lifting, subsoil shall be loosened using appropriate equipment to a depth of 300mm. This shall be done when the subsoil is dry so as to encourage soil shattering. All stones and other objects larger than 50mm shall be removed from the prepared surface. The loosened subsoil shall be roughly levelled so that an even depth of topsoil can be achieved.

Topsoil (To Comply with British Standard BS 5837:2015 - Specification for Topsoil):
Inverted topsoil shall be bulked prior to use in BS 3883 Part 1 and tested for suitability for sustaining plant life. Stockpiling of soil shall be avoided wherever possible to minimise loss. Any stockpiling shall not exceed 1.5 metres high and shall be seeded so as to avoid risk of gully water run-off to a watercourse, not exceeding 1.5 metres high.
The site of the stockpile will be prepared in advance by grading, removing rubbish and ensuring no fuel or chemicals were previously stored in area.
Topsoil shall be lightly consolidated in layers not exceeding 150mm using track laying machinery.
Soil shall not be handled in inappropriate conditions of weather and soil moisture i.e. during or shortly after heavy precipitation.
When soil is in a waterlogged condition:
• When the ground is frozen or covered by snow
• When there are pools of water on the ground surface
Topsoil shall be laid to the following minimum depths:
• 150mm below new grass areas
• 400mm beneath new shrub areas.
Finished levels, after settlement, shall be as follows:
• 25mm above adjacent paving from new grassed areas and non-mulched shrub beds
• 75mm above adjacent paving and over mulched planting beds
• 150mm below damp proof courses.

2) GROUND CONDITIONING
40 litres of compost to be incorporated into the top 200mm of each square metre of topsoil for all ornamental shrub beds.

3) PLANT AND PLANTING SPECIFICATION
All plant stock, plant handling and planting to be undertaken in accordance with the following British Standard Specifications and Code of Practice:
BS 5400:2014 'Trees from nursery stock (Specification for trees and shrubs)'
BS 3096: Part 1 '1992 Nursery stock (Specification for trees and shrubs)'
BS 3096: Part 2 '1992 Nursery stock (Specification for forest trees)'
BS 3096: Part 3 '1992 Nursery stock (Specification for bulbs, corms and tubers)'
BS 3096: Part 4 '1992 Nursery stock (Specification for ground cover plants)'
BS 4428: 1989 'Recommendations for transplanting root-balled trees, (withdrawn)'
BS 4428: 1989 'Recommendations for transplanting root-balled trees, (withdrawn)'
The Code of Practice for Plant Handling, 1985 (Horticultural Trades Association).

Plant Stock:
Plant stock to be supplied in accordance with the size and description specified on the plant schedule and position indicated on the most current revision of the planting plan.

Plant Stock:
Plant stock shall be healthy, vigorous, free from pests and diseases and suitably hardened off for the proposed situation of planting and fitted as a time in accordance with good nursery practice. Stock shall have a well-developed fibrous root system and be free from potential weeds. The form of trees shall be in accordance with BS 3096: 1992, Section 7, 'Form of Trees'.

Plant Handling:
All plant materials shall be lifted, handled, labelled, packaged, transported, temporarily stored and planted in accordance with the procedures and methods illustrated in the publication, 'Plant Handling' (Horticultural Trades Association) and relevant sections of BS 4443: 1989 'Transplanting Root-Balled Trees'.

Tree Planting:
Trees to be planted following supplier recommendations. Minimum pit size: Selected standard tree 600 x 600 x 600. Pits to be prepared to base and sides and pit to be further scarified.
Trees to be centrally located and stem placed in an upright position. Pit to be backfilled with 200mm of soil with a 75 to 90% mix of sharp sand. Irrigation pipe to be laid around bottom of initial with 20mm of pipe showing from the back mulch level. Backfill remaining area of pit with 400mm of a 3:1 mix of an approved topsoil with compost. Backfill firmly to 20mm above previous ground level and creating a slightly domed shape with the highest point being at the centre of the tree to avoid drainage and settlement. Tree pits in grass to contain a 600mm diameter circle of medium grade bark mulch to be settled depth of 75mm. Water each tree in same day of planting, 30 to 50 litres per tree dependent on size and soil conditions.
All works shall be carried out to the minimum standard according to BS 3096: 1992 Part 1 'Nursery Stock - Specification for Trees and Shrubs, BS 4443: 1989 'Recommendations for transplanting root-balled trees'.

Staking:
Double stake all trees with two stakes, a crossbar, a spacer and webbing. Stakes to be round (inner with charred top). Position stake close to tree on windward side and drive vertically at least 400mm into bottom of pit before planting. Backfill: consolidate material around stake. Height of stakes: cut to approximately 600mm above ground level, taking care not to damage the bark. Tree: Webbing with a spacer. Tying: secure tree firmly to crossbar with spacer and webbing.

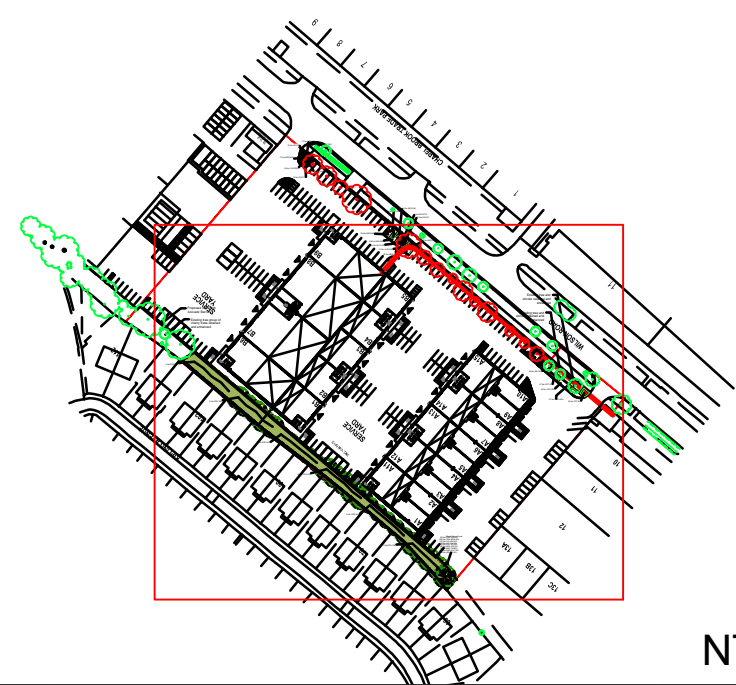
Mulch:
All shrub beds shall be spread with a medium grade bark mulch to a settled depth of 75mm. Tree locations in grass should have a 600mm diameter circle of medium grade bark mulch to a settled depth of 75mm. Mulch to be free from fines, weeds, disease and contaminants.

Ornamental shrub planting:
To be set out carefully and evenly over indicated areas. Remove plants from pots and plastic containers, plant and water in thoroughly. Stakes shall be individually pit planted in prepared pits sized to accommodate full spread of roots. Plants shall be evenly spaced over the planting area. Firm soil by treading, ensuring the ground is not overly compacted and that the plant is positioned upright.

Native scrub planting:
Bare root stock shall be planted between November and March. Plants to be planted in groups of 5, 7, or 9 of the same species. Plants shall be evenly spaced over the planting area. Ensure plants are planted to the correct depth to correspond to the red mark on main stems. Undertake formative pruning if necessary. Each plant to be protected with a 60cm high tube shrub shelter, with two code tree and a timber stake.

4) MAINTENANCE AND MANAGEMENT
Plant stock and soft landscaped areas shall be maintained for a period of five years via the developer's agent or appointed Management Company during which time the following operations shall be carried out:
Regular visits:
Monthly maintenance visits to include the following operations:
• Hand weed planting beds
• Remove litter
• Remove mulch spillage
• Re-firming plant stock to ensure the new planting is all planting to upright positions.
• Adjust stakes and fix all webbing
• Prune plant stock as required to encourage good form
• Check all plant stock and report signs of pests, disease, death and damage
Mulch:
Top up mulch levels (using matching material) planting beds and 60cm radius tree circle with 75mm at the end of the maintenance period.
Watering:
Plant stock to receive the following quantities of water:
Trees: Watered regularly, particularly during hot dry periods of the year.
Shrubs and transplants: Watered regularly throughout growing season.
Watering to be undertaken during the first 24 months as needed to maintain plant health.
New Tree/Shrub Planting:
Weed control by hand to ensure planting area is weed free. Check stakes and guards are in place and replace where necessary. Prune, trim and remove suckers, seedlings, dead, damaged, or diseased branches annually between October and January to avoid the bird nesting season. Reduce dead/dying stock in winter.
Plant replacements:
All dead, dying and vandalised plant stock shall be replaced, at the landscape contractor's expense, at the end of each growing season throughout the maintenance period.

0 1 2 4 6 8 10 12 14 16
SCALE 1:200



NTS

B	Minor Amendments	02/09/22
A	Minor Amendments	24/06/22
REV	DESCRIPTION	DATE

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CLIENT: Derwent Development Management Ltd			
PROJECT: Huyton Industrial Estate, Liverpool			
DRAWING TITLE: Planting Plan (Sheet 2 of 2)			
SCALE: 1:200 @ A0	DRAWING No:	REV	
DRAWN BY: SC	CHKD BY: CN	DATE: 15/06/2022	P: 1675.22.04 B