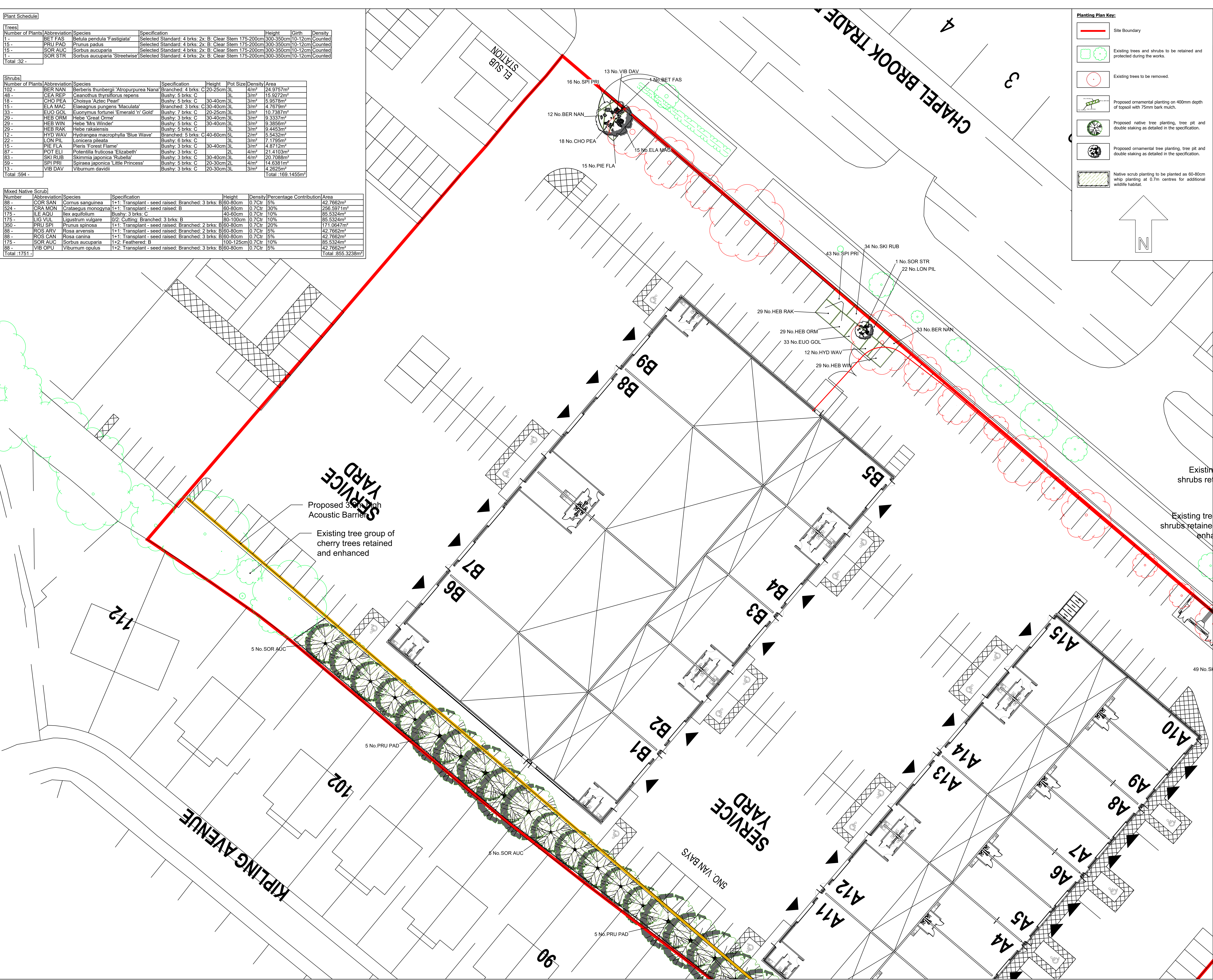
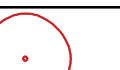


| Shrub(s)         | Abbreviation | Species                                  | Specification                                  | Height              | Pot Size        | Density                        |
|------------------|--------------|------------------------------------------|------------------------------------------------|---------------------|-----------------|--------------------------------|
| Number of Plants | 102          | BER NANA                                 | <i>Berberis thunbergii</i> 'Atropurpurea Nana' | Branched; 4 brks: C | 20-25cm 3L      | 24 957m <sup>2</sup>           |
| 48 -             | CEA REP      | <i>Ceanothus thyrsiflorus</i> repens     | Bushy; 5 brks: C                               | 3L                  | 3m <sup>2</sup> | 15 927m <sup>2</sup>           |
| 18 -             | CHO PEA      | <i>Choisya 'Aztac Pearl'</i>             | Bushy; 5 brks: C                               | 30-40cm 3L          | 3m <sup>2</sup> | 5 9578m <sup>2</sup>           |
| 15 -             | EUA MAC      | <i>Elaeagnus pungens</i> 'Maculata'      | Branched; 3 brks: C                            | 30-40cm 3L          | 3m <sup>2</sup> | 4 7673m <sup>2</sup>           |
| 33 -             | COL GOL      | <i>Euonymus 'C. Gold Medal'</i>          | Bushy; 7 brks: C                               | 20-25cm 3L          | 3m <sup>2</sup> | 14 433m <sup>2</sup>           |
| 29 -             | HEB ORM      | <i>Hebe 'Great Ore'</i>                  | Bushy; 5 brks: C                               | 30-40cm 3L          | 3m <sup>2</sup> | 9 3337m <sup>2</sup>           |
| 29 -             | HEB WIN      | <i>Hebe 'Mrs Winder'</i>                 | Bushy; 5 brks: C                               | 30-40cm 3L          | 3m <sup>2</sup> | 9 3865m <sup>2</sup>           |
| 29 -             | HEB RAK      | <i>Hebe rakaisensis</i>                  | Bushy; 5 brks: C                               | 3L                  | 3m <sup>2</sup> | 9 4453m <sup>2</sup>           |
| 12 -             | HYD WAV      | <i>Hydrangea macrophylla</i> 'Blue Wave' | Branched; 5 brks: C                            | 40-60cm 3L          | 3m <sup>2</sup> | 5 5432m <sup>2</sup>           |
| 22 -             | LON PIL      | <i>Lonicera pileata</i>                  | Bushy; 6 brks: C                               | 30-40cm 3L          | 3m <sup>2</sup> | 7 1795m <sup>2</sup>           |
| 15 -             | PLE FIA      | <i>Pieris 'Forest Flame'</i>             | Bushy; 3 brks: C                               | 30-40cm 3L          | 3m <sup>2</sup> | 4 8712m <sup>2</sup>           |
| 87 -             | POT ELI      | <i>Potentilla fruticosa</i> 'Elizabeth'  | Bushy; 3 brks: C                               | 2L                  | 4m <sup>2</sup> | 21 4103m <sup>2</sup>          |
| 83 -             | SKJ RUB      | <i>Skimmia japonica</i> 'Rubell'         | Bushy; 3 brks: C                               | 30-40cm 4L          | 4m <sup>2</sup> | 20 7088m <sup>2</sup>          |
| 31 -             | SPR PIL      | <i>Sarcocolla 'Little Princess'</i>      | Bushy; 5 brks: C                               | 20-30cm 3L          | 4m <sup>2</sup> | 14 4633m <sup>2</sup>          |
| 13 -             | VIB DAV      | <i>Viburnum davidii</i>                  | Bushy; 3 brks: C                               | 20-30cm 3L          | 3m <sup>2</sup> | 4 2625m <sup>2</sup>           |
| Total : 594 -    |              |                                          |                                                |                     |                 | Total : 169 1455m <sup>2</sup> |

| Number      | Latin name | Species               | Specification                                   | Height    | Density    | Percentage Contribution | Area                          |
|-------------|------------|-----------------------|-------------------------------------------------|-----------|------------|-------------------------|-------------------------------|
| 61          | COR SAN    | Cornus sanguinea      | 1+1: Transplant - seed raised; Branched: 3 brks | 80-80cm   | 0.7Cr/ 5%  | 42                      | 72,662m <sup>2</sup>          |
| 524         | CRA MON    | Ceratogium monogyna   | 1+1: Transplant - seed raised; Bk               | 60-80cm   | 0.7Cr/ 30% | 256                     | 856,597m <sup>2</sup>         |
| 175         | EA AQU     | Eleocharis acicularis | 1+1: Transplant - seed raised; Branched: 3 brks | 80-100cm  | 0.7Cr/ 10% | 42                      | 72,662m <sup>2</sup>          |
| 174         | LIG ULU    | Ligularia vulgaris    | 0/2: Cutting; Branched: 3 brks; B               | 80-100cm  | 0.7Cr/ 10% | 42                      | 85,534m <sup>2</sup>          |
| 380         | PRU SPI    | Pinus spicata         | 1+1: Transplant - seed raised; Branched: 2 brks | 80-80cm   | 0.7Cr/ 20% | 171                     | 664,064m <sup>2</sup>         |
| 175         | RCS ARV    | Rosa arvensis         | 1+1: Transplant - seed raised; Branched: 2 brks | 80-80cm   | 0.7Cr/ 10% | 42                      | 72,662m <sup>2</sup>          |
| 38          | RCS CAN    | Rosa canina           | 1+1: Transplant - seed raised; Branched: 3 brks | 80-80cm   | 0.7Cr/ 5%  | 21                      | 47,062m <sup>2</sup>          |
| 175         | SOR AUC    | Sorbus aucuparia      | 1+2: Feathered; B                               | 100-125cm | 0.7Cr/ 10% | 42                      | 85,534m <sup>2</sup>          |
| 65          | VIB OPT    | Viburnum opulus       | 1+2: Transplant - seed raised; Branched: 3 brks | 80-80cm   | 0.7Cr/ 5%  | 21                      | 72,662m <sup>2</sup>          |
| Total: 1751 |            |                       |                                                 |           |            |                         | Total: 855,3238m <sup>2</sup> |



- | 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 BY BEST FIT TO DETAIL,  
EXTRACTED FROM OS DIGITAL DATA.

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### LANDSCAPE AND MAINTENANCE SPECIFICATION

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

For work near a retained tree: Refer to BS 583

**Damage to Plants to be Retained:** If a plant is to be retained is damaged, the plant is to be

- The destruction of a plant, the breaking of branches or roots
- The debarking of trunks or limbs
- The contamination of root zone soil or plants from drift sprays, dust or contaminated storm water
- The damage by the placement of fill or building materials within the canopy perimeter or otherwise.

1) **GROUND PREPARATION AND SOIL SPECIFICATION**

## Subsoil:

Before reusing soil, 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 3882:2015 - Specification for Topsoil):**  
Imported topsoil shall be Multipurpose Grade as described in BS 3882:2015 and suitable for sustaining plant life. Stockpiling of soil shall be avoided whenever possible to minimise loss of physical quality, diffusion of oxygen and biological activity.  
Any stockpiling shall not exceed 1.5 metres high and shall be sited so as to avoid risk of muddy water run-off into 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 incorporated 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
  - 300mm to rear gardens
  - 400mm beneath new shrub areas.
- Finished levels, after settlement, shall be as follows:
  - 25mm above adjacent paving from new grass areas and non-mulched shrub beds
  - 75mm below adjacent paving and grass for 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 as

British Standard Specifications and Code of Practice:  
BS 8545:2014 Trees: from nursery to independence in the landscape  
BS 3036: Part 1 1982 Nursery stock (Specification for trees and shrubs)  
BS 3036: Part 1 1984 Nursery stock (Specification for forest trees)  
BS 3036: Part 1 1987 Nursery stock (Specification for tubels, corners and tubers)  
BS 3036: Part 1 1990 Nursery stock (Specification for ground cover plants)  
BS 4428: 1989 Recommendations for general landscaping operations.  
BS 4043: 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 shall be healthy, vigorous, free from pests and diseases and suitably hardened off for the proposed situation of planting and lifted at a time in accordance with good nursery practice. Stock shall have a well-formed fibrous root system and be free from perennial weeds. The form of trees shall be in accordance with BS 3936: Part 1:1992, Section 7, *Form of Trees*.

**Plant Handling:**  
All plant materials shall be lifted, bundled, 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 4043: 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 of pit to be further specified.  
Trees to be centrally located and stem placed in an upright position. Pit to be backfilled with 200mm<sup>2</sup> of mix of subsoil with a 70 to 85% mix of sharp sand. Irrigation pipe to put around bottom of rootball with 25mm of pipe sticking out from the bark each mile. Backfill remaining area of pit with 400mm<sup>2</sup> of a 3:1 mix of an approved topsoil with compost. Backfill rises to 50mm above previous ground level and creating a slightly domed shape with the highest point being at the centre of the tree to assist drainage and settlement. Tree pits in grass to contain a 600mm diameter circle of medium grade bark mulch to a settled depth of 75mm. Water each tree in same day of planting, 30 to 50 litres per tree dependent on size and soil conditions.

**Staking:**  
Double stake all trees with two stakes, a crossbar, a spacer and webbing. Stakes to be round timber with chamfered tops. Position stakes close to tree on windward side and drive vertically at least 400mm into bottom of pit before planting. Backfilling: consolidate material around stake. Height of stakes: cut to approximately 600mm above ground level, taking care not to damage the bark. Ties: 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. Shrubs 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 backfill 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 soil mark on main stems. Undertake formative pruning if necessary. Each plant to be protected with a 60cm high tubex shrub shelter, with two cable ties 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 developers' 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:

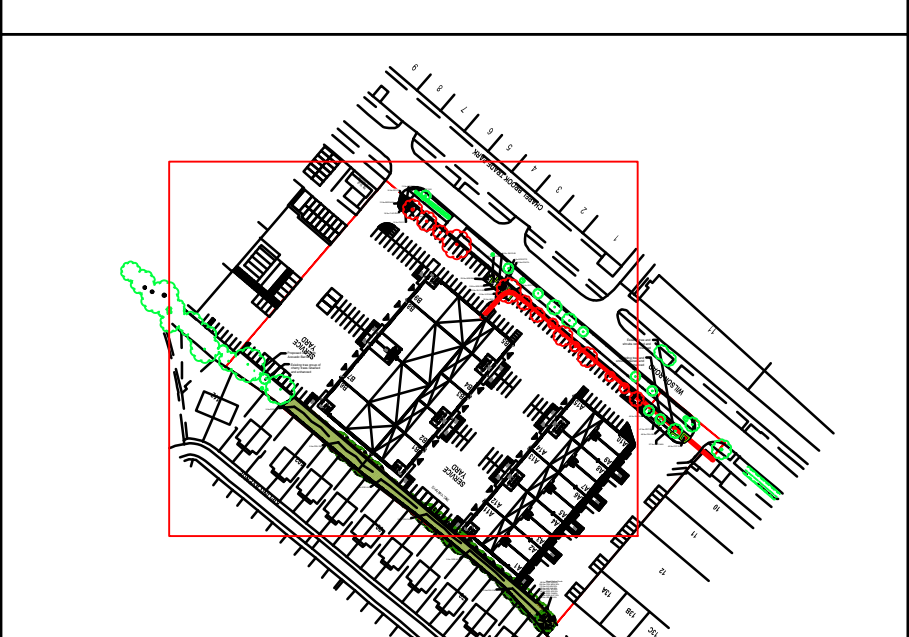
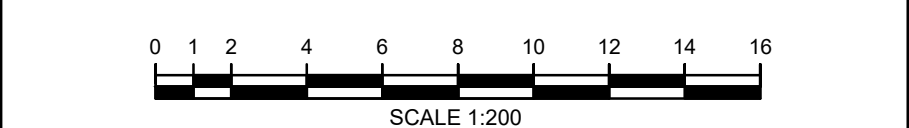
- Hand weed planting beds
- Remove litter
- Sweep mulch spillage
- Re-firming plant stock to ensure the new planting is all planting to upright positions.
- Adjust stakes and ties as necessary
- Prune plant stock as required to encourage good form
- Check all plant stock and report signs of pests, disease, 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, thin and remove suckers, seedlings, dead, damaged, or diseased branches annually between October and January to avoid the bird nesting season. Replace 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.



NTS

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

# Ascerta

Landscape | Trees | Ecology

t: 0845 463 4404  
e: [info@landscapetreeseecology.com](mailto:info@landscapetreeseecology.com)  
[www.landscapetreeseecology.com](http://www.landscapetreeseecology.com)

CLIENT: **Resurgent Development Management Ltd**

PROJECT:

Huyton Industrial Estate, Liverpool

DRAWING TITLE:  
Planting Plan (Sheet 1 of 2)

Planting Plan (Sheet 1 of 2)

SCALE: 1:200 @ A0 DRAWING No: REV:

|    |    |            |              |   |
|----|----|------------|--------------|---|
| SC | CN | 15/06/2022 | P.1675.22.04 | B |
|----|----|------------|--------------|---|