Proposed - Native Mixed-species Understory Shrub.
27 no. *Acer campestre*; 60 - 90 cm height; Transplant;
15 no. *Alnus glutinosa*; 60 - 90 cm height; Transplant;
23 no. *Cornus sanguinea*; 60 - 90 cm height; Transplant;
16 no. *Corylus avellana*; 60 - 90 cm height; Transplant;
23 no. *Crataegus monogyna*; 60 - 90 cm height; Transplant;
6 no. *Euonymus europaeus*; 60 - 90 cm height; Transplant;
12 no. *Ilex aquifolium*; 60 - 90 cm height; Transplant;
18 no. *Viburnum lantana*; 60 - 90 cm height; Transplant.
- *Total area : 227 m²;*
- *Layout: Set at 1000 mm centres; Planted in random groups of 3 - 5 plants of the same species).*

Proposed - Single-Species Native Hedgerow
185 no *Carpinus betulus*; 60 - 90 cm height; Transplant.
- Total hedge length: 40.0 metres;
- Hedging Stock: 60 - 90 cm height;
- Hedging to be 2 no. staggered rows set 400 mm apart @400 mm centres.
- Hedgerow Maintained to a height of 1.5m.

Proposed - Flowering Grassland
'EM5 – 'Meadow Mixture for Loamy Soils' supplied by *Emorsgate Seeds (or equal and approved).*
Area: 324.0 m²

Existing - Vegetation
Existing Vegetation to be retained and protected on site in accordance with *BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - Recommendations'.*

Proposed - Mixed-Species Native Hedgerow
77 no. *Cornus sanguinea*; 60 - 90 cm height; Transplant;
77 no. *Corylus avellana*; 60 - 90 cm height; Transplant;
77 no. *Crataegus monogyna*; 60 - 90 cm height; Transplant;
77 no. *Ilex aquifolium*; 60 - 90 cm height; Transplant;
77 no. *Salix caprea*; 60 - 90 cm height; Transplant.
- Total hedge length: 254.0 metres;
- Hedging Stock: 60 - 90 cm height;
- Hedging to be 2 no. staggered rows set 400 mm apart @400 mm centres.
- Hedgerow Maintained to a height of 1.5m.

Proposed - Mixed-Species Native Hedgerow
71 no. *Cornus sanguinea*; 60 - 90 cm height; Transplant;
71 no. *Corylus avellana*; 60 - 90 cm height; Transplant;
71 no. *Crataegus monogyna*; 60 - 90 cm height; Transplant;
71 no. *Ilex aquifolium*; 60 - 90 cm height; Transplant;
71 no. *Salix caprea*; 60 - 90 cm height; Transplant.
- Total hedge length: 254.0 metres;
- Hedging Stock: 60 - 90 cm height;
- Hedging to be 2 no. staggered rows set 400 mm apart @400 mm centres.
- Hedgerow Maintained to a height of 1.5m.

Proposed - Native Species Tree Planting
3 no. *Prunus avium*
14 - 16 cm girth size; 4.00 - 4.50 m height;
Standard (*Extra Heavy*) Nursery Stock;
Minimum 2.0m clear stem height;
trees to be long double staked.

Proposed - Native Species Tree Planting
2 no. *Betula pubescens*
12 - 14 cm girth size; 3.50 - 4.00 m height;
Standard (*Heavy*) Nursery Stock;
Minimum 1.75 - 2.0m clear stem height;
trees to be long double staked.

Proposed - Native Mixed-species Understory Shrub.
15 no. *Acer campestre*; 60 - 90 cm height; Transplant;
8 no. *Alnus glutinosa*; 60 - 90 cm height; Transplant;
13 no. *Cornus sanguinea*; 60 - 90 cm height; Transplant;
9 no. *Corylus avellana*; 60 - 90 cm height; Transplant;
13 no. *Crataegus monogyna*; 60 - 90 cm height; Transplant;
4 no. *Euonymus europaeus*; 60 - 90 cm height; Transplant;
7 no. *Ilex aquifolium*; 60 - 90 cm height; Transplant;
10 no. *Viburnum lantana*; 60 - 90 cm height; Transplant.
- *Total area : 127 m²;*
- *Layout: Set at 1000 mm centres; Planted in random groups of 3 - 5 plants of the same species).*

Proposed - Mixed-Species Native Hedgerow
52 no. *Cornus sanguinea*; 60 - 90 cm height; Transplant;
52 no. *Corylus avellana*; 60 - 90 cm height; Transplant;
52 no. *Crataegus monogyna*; 60 - 90 cm height; Transplant;
52 no. *Ilex aquifolium*; 60 - 90 cm height; Transplant;
52 no. *Salix caprea*; 60 - 90 cm height; Transplant.
- Total hedge length: 254.0 metres;
- Hedging Stock: 60 - 90 cm height;
- Hedging to be 2 no. staggered rows set 400 mm apart @400 mm centres.
- Hedgerow Maintained to a height of 1.5m.

Proposed - Native Species Tree Planting
1 no. *Sorbus aria*
14 - 16 cm girth size; 4.00 - 4.50 m height;
Standard (*Extra Heavy*) Nursery Stock;
Minimum 2.0m clear stem height;
trees to be long double staked.

Proposed - Native Species Tree Planting
3 no. *Prunus padus*
12 - 14 cm girth size; 3.50 - 4.00 m height;
Standard (*Heavy*) Nursery Stock;
Minimum 1.75 - 2.0m clear stem height;
trees to be long double staked.

Proposed - Native Species Tree Planting
2 no. *Acer campestre*
14 - 16 cm girth size; 4.00 - 4.50 m height;
Standard (*Extra Heavy*) Nursery Stock;
Minimum 2.0m clear stem height;
trees to be long double staked.

Proposed - Flowering Grassland
'EM5 – 'Meadow Mixture for Loamy Soils' supplied by *Emorsgate Seeds (or equal and approved).*
Area: 180.0 m²

Proposed - Mixed-Species Native Hedgerow
45 no. *Cornus sanguinea*; 60 - 90 cm height; Transplant;
45 no. *Corylus avellana*; 60 - 90 cm height; Transplant;
45 no. *Crataegus monogyna*; 60 - 90 cm height; Transplant;
45 no. *Ilex aquifolium*; 60 - 90 cm height; Transplant;
45 no. *Salix caprea*; 60 - 90 cm height; Transplant.
- Total hedge length: 254.0 metres;
- Hedging Stock: 60 - 90 cm height;
- Hedging to be 2 no. staggered rows set 400 mm apart @400 mm centres.
- Hedgerow Maintained to a height of 1.5m.

Proposed - Native Species Tree Planting
2 no. *Prunus avium*
14 - 16 cm girth size; 4.00 - 4.50 m height;
Standard (*Extra Heavy*) Nursery Stock;
Minimum 2.0m clear stem height;
trees to be long double staked.

Proposed - Mixed-Species Native Hedgerow
65 no. *Cornus sanguinea*; 60 - 90 cm height; Transplant;
65 no. *Corylus avellana*; 60 - 90 cm height; Transplant;
65 no. *Crataegus monogyna*; 60 - 90 cm height; Transplant;
65 no. *Ilex aquifolium*; 60 - 90 cm height; Transplant;
65 no. *Salix caprea*; 60 - 90 cm height; Transplant.
- Total hedge length: 254.0 metres;
- Hedging Stock: 60 - 90 cm height;
- Hedging to be 2 no. staggered rows set 400 mm apart @400 mm centres.
- Hedgerow Maintained to a height of 1.5m.

Proposed - Bank Planting
206 no. *Lonicera japonica* 'Halliana';
60 - 80 cm height; 2m² - 30%
171 no. *Vinca minor*;
25 - 30 cm height. 2lt; 2m² - 25%
137 no. *Ceanothus thyrsiflorus var. repens*
25 - 30 cm height. 3lt; 2m² - 20%
171 no. *Cotoneaster dammeri*
25 - 30 cm height. 3lt; 2m² - 25%
- *Total area : 264 m²;*
- *Layout: Set at 1000 mm centres; Planted in random groups of 3 - 5 plants of the same species).*

Proposed - Native Mixed-species Understory Shrub.
123 no. *Acer campestre*; 60 - 90 cm height; Transplant;
98 no. *Alnus glutinosa*; 60 - 90 cm height; Transplant;
115 no. *Cornus sanguinea*; 60 - 90 cm height; Transplant;
106 no. *Corylus avellana*; 60 - 90 cm height; Transplant;
98 no. *Crataegus monogyna*; 60 - 90 cm height; Transplant;
98 no. *Euonymus europaeus*; 60 - 90 cm height; Transplant;
97 no. *Ilex aquifolium*; 60 - 90 cm height; Transplant;
83 no. *Viburnum lantana*; 60 - 90 cm height; Transplant.
- *Total area : 825 m²;*
- *Layout: Set at 1000 mm centres; Planted in random groups of 3 - 5 plants of the same species).*

Proposed - Native Species Tree Planting
2 no. *Acer campestre*
14 - 16 cm girth size; 4.00 - 4.50 m height;
Standard (*Extra Heavy*) Nursery Stock;
Minimum 2.0m clear stem height;
trees to be long double staked.

Proposed - Native Species Tree Planting
4 no. *Betula pubescens*
12 - 14 cm girth size; 3.50 - 4.00 m height;
Standard (*Heavy*) Nursery Stock;
Minimum 1.75 - 2.0m clear stem height;
trees to be long double staked.

Proposed - Native Species Tree Planting
2 no. *Sorbus aria*
14 - 16 cm girth size; 4.00 - 4.50 m height;
Standard (*Extra Heavy*) Nursery Stock;
Minimum 2.0m clear stem height;
trees to be long double staked.

Proposed - Native Species Tree Planting
2 no. *Acer campestre*
14 - 16 cm girth size; 4.00 - 4.50 m height;
Standard (*Extra Heavy*) Nursery Stock;
Minimum 2.0m clear stem height;
trees to be long double staked.

Proposed - Single-Species Native Hedgerow
32 no. *Carpinus betulus*; 60 - 90 cm height; Transplant.
452 no. *Carpinus betulus*; 60 - 90 cm height; Transplant.
- Total hedge length: 20.0 metres;
- Hedging Stock: 60 - 90 cm height;
- Hedging to be 2 no. staggered rows set 400 mm apart @300 mm centres.
- Hedgerow Maintained to a height of 1.5m.

Proposed - Native Species Tree Planting
2 no. *Prunus avium*
14 - 16 cm girth size; 4.00 - 4.50 m height;
Standard (*Extra Heavy*) Nursery Stock;
Minimum 2.0m clear stem height;
trees to be long double staked.

Proposed - Native Species Tree Planting
3 no. *Betula pubescens*
12 - 14 cm girth size; 3.50 - 4.00 m height;
Standard (*Heavy*) Nursery Stock;
Minimum 1.75 - 2.0m clear stem height;
trees to be long double staked.

Proposed - Native Species Tree Planting
4 no. *Acer campestre*
14 - 16 cm girth size; 4.00 - 4.50 m height;
Standard (*Extra Heavy*) Nursery Stock;
Minimum 2.0m clear stem height;
trees to be long double staked.

Proposed - Native Species Tree Planting
3 no. *Prunus padus*
12 - 14 cm girth size; 3.50 - 4.00 m height;
Standard (*Heavy*) Nursery Stock;
Minimum 1.75 - 2.0m clear stem height;
trees to be long double staked.

Proposed - Native Species Tree Planting
2 no. *Acer campestre*
14 - 16 cm girth size; 4.00 - 4.50 m height;
Standard (*Extra Heavy*) Nursery Stock;
Minimum 2.0m clear stem height;
trees to be long double staked.

Proposed - Native Species Tree Planting
2 no. *Sorbus aria*
14 - 16 cm girth size; 4.00 - 4.50 m height;
Standard (*Extra Heavy*) Nursery Stock;
Minimum 2.0m clear stem height;
trees to be long double staked.

Proposed - Native Species Tree Planting
2 no. *Betula pubescens*
12 - 14 cm girth size; 3.50 - 4.00 m height;
Standard (*Heavy*) Nursery Stock;
Minimum 1.75 - 2.0m clear stem height;
trees to be long double staked.

N

0 1 2.5 5 10 m
Scale 1:500

Soil Specification

Proposed Tree Planting

All proposed tree planting areas to be minimum 600 mm depth subsoil overlain with a minimum of 300 mm depth of topsoil tested and certified to achieve *BS 3882: 2015*. Topsoil to be tested and certified by a Soil Scientist.

Proposed Hedgerow and Native Understory Planting

All proposed Hedgerow and Native Understory Planting areas to be minimum 300 mm depth subsoil overlain with a minimum of 300 mm depth of topsoil tested and certified to achieve *BS 3882: 2015*. Topsoil to be tested and certified by a Soil Scientist.

Mulching

All proposed planting areas to be overlain with 75mm depth Ornamental Bark Mulch. Planting areas to be mulched with fine graded ornamental bark mulch; 5 - 35mm nominal particle size; *BS4970:1987*.

Specimen Tree planting in proposed soft landscape areas

Planting pits should be excavated to the same depth as the trees root system with the root flare / root collar to be level with the surface of the surrounding soil. The planting pit shall have a slightly raised centre and be broken up to a depth of 150 mm. The width of the tree pit should be excavated to be 150 - 300 mm larger than the root ball or container. If the tree pit sides are compacted, smooth or smeared they should be scarified to loosen the soil. During excavation the soil should be separated into topsoil and subsoil in order that during backfilling the soil can be replaced in the same order. The trees root system should be lightly wetted prior to planting. The tree should be planted at the correct depth ensuring the root flare is just visible above the soil level and that there has been allowance for any settling of soil levels. Backfilling should be added gradually in layers of 150mm ensuring the tree is held upright. Each layer should be firmed down to remove air pockets within the soil and to aid tree stability but 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.
Refer to *'BS 8545: 2014 - Trees: from nursery to independence in the landscape - Recommendations'* for details on tree planting.

Tree Staking - Heavy Standard and Extra Heavy Standard Nursery Stock Trees

Tree staking is to be Long Double Staking for Standard 'Heavy' trees and Standard 'Extra Heavy' with stakes driven vertically to a minimum of 300mm into bottom of pit on either side of tree position before planting. The stakes should be placed to allow the fixing of the cross bar to the windward side of the tree and as close to the stem as possible. Backfilling should seek to consolidate material around stakes. The stake shall extend above ground level to a maximum 600mm. The crossbar shall be no more than 40mm away from the stem of the planted tree and the tree shall be tied firmly but not rigidly to the cross bar with one adjustable tie plus spacer with 50mm of the top of the stake, and secured in place with a 25 mm long galvanised clout nail.

Notes:

1. Dimensions shall not be scaled. All dimensions to be checked on site. All details and dimensioning relating to Sub-contractor's or Supplier's work must be checked and agreed between the Sub-contractor or the Supplier and the Main Contractor.
2. Drawing is to be read in conjunction with all relevant Landscape Architect's drawings and specification. For photomontage of street scene refer to *LLD1773-LPL-REP-001 Landscape and Visual Appraisal*
3. All alternatives to proposed materials to be fit for purpose, of equal quality and subject to Landscape Architect's approval.
4. For detailed soft landscape scheme proposals refer to *LLD1773-LAN-DWG-200 - Detailed Planting Plan - Infrastructure Planting;*
   LLD1773-LAN-DWG-201/202 - Detailed Planting Plans - Ornamental Planting;
   LLD1773-LAN-SCH-001 - Detailed Planting Schedule and Specification
5. For detailed Soft Landscape Specification:
   LLD1773-LAN-SPE-001 - Hard and Soft Landscape Specification.

Detailed Planting Plan - Infrastructure Planting
GTR Factory, Arundel Road, Fontwell, West Sussex

Legend

Existing - Trees
Existing mature trees to be retained and protected on site in accordance with *BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - Recommendations'.*

Existing - Vegetation
Existing Vegetation to be retained and protected on site in accordance with *BS 5837:2012 - 'Trees in Relation to Design, Demolition and Construction - Recommendations'.*

Proposed - Native Species Tree Planting
14 - 16 cm girth size; 4.00 - 4.50 m height;
Standard (*Extra Heavy*) Nursery Stock;
Minimum 2.0m clear stem height.

Proposed - Native Species Tree Planting
12 - 14 cm girth size; 3.50 - 4.00 m height;
Standard (*Heavy*) Nursery Stock;
Minimum 1.75 - 2.0m clear stem height.

Proposed - Native Mixed-species Hedgerow
Hedging to be 2 no. staggered rows set 400 mm apart 400 mm centres; Height 60-90cm; Hedgerow to be maintained to a height of 1.5m.

Proposed - Native Single-species Hedgerow
Hedging to be 2 no. staggered rows set 300 mm apart 400 mm centres; Height 60-90cm; Hedgerow to be maintained to a height of 1.5m.

Proposed - Native Mixed-species Understory Shrub.

Proposed - Wildflower Grassland Areas.

Proposed Attenuation Feature
Attenuation feature to be specified by drainage engineer.

Proposed - Bank Plating.

PLANNING ISSUE

Rev	Description	Date	Initials
06	Planning Issue	07.10.20	RM
05	Planning Issue	06.10.20	RM
04	Planning Issue	21.07.20	RM
03	Planning Issue	07.02.20	EZ
02	Draft Issue	31.01.20	EZ
00	Draft Issue	30.01.20	EZ

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Client
Rural Associates
Project Title and Location
GTR Factory
Arundel Road, Fontwell, West Sussex

Drawing Title
Detailed Planting Plan
Infrastructure Planting

Scale	*Drawn*	*Approved*	*Date*
1:500@A1	EZ	DW	30.01.2020

Drawing No **LLD1773-LAN-DWG-200** *Revision* 06