



North Littlehampton: Southern Lyminster Bypass

Maintenance and Management

Maintenance operations for successful plant establishment shall include watering; weed control; fertiliser application; pest and disease control; pruning; and litter picking.

Inspections:	January - December. Replace dead plants when necessary
Watering:	January, and when necessary through periods of drought.
Pest and disease control:	January.
Litter removal:	January - December
Weed control:	February - May; July; and September.
Prune:	February - November.
Fork over planting beds:	March.
Cut grass and trim edges:	March - October.
Apply fertiliser:	April.
Lightly fork over planting beds:	September.
Rake / scarify grass	September.

Weed control: Hand weed to remove all weeds and their roots using a hoe, trowel or fork. Apply a herbicide to kill re-growth when required.

Pruning: At the appropriate season for the species, pruning to be carried out to remove all damaged diseased or dead wood. Prune shrubs to ensure the plant is kept well balanced and in good shape.

Fork over planting beds: Prick up trodden or compacted soil surfaces to aerate the soil without damaging the plants.

Raking/Scarifying: Relieve thatched conditions and remove dead grass in the autumn over all grassed areas.

Water efficiency: Water efficiency has been considered in the selection of trees, native planting, and ornamental shrubs which has been informed by the site's water strategy to avoid

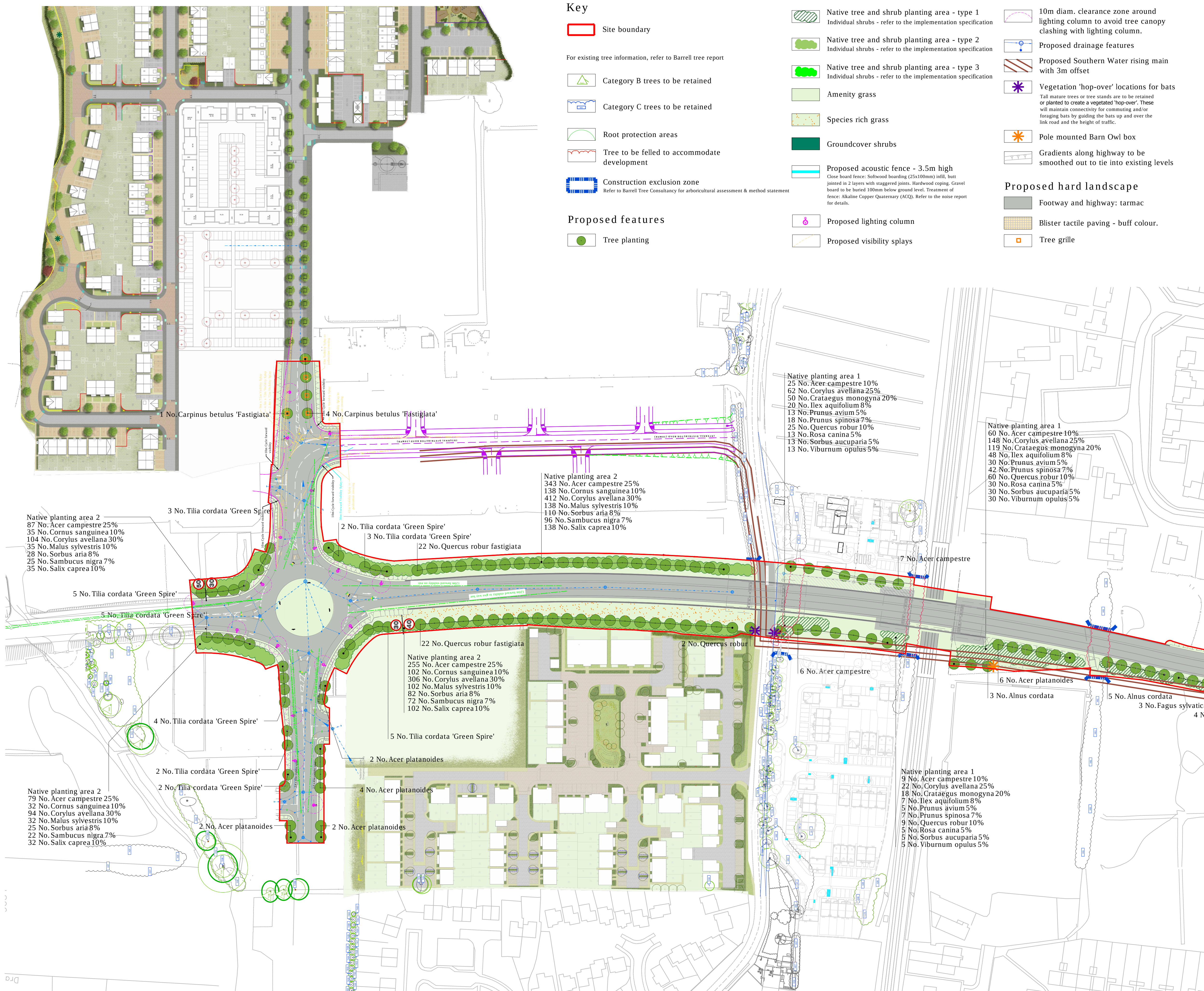
Long term maintenance:
Long term maintenance and management objectives will continue after the first five years of

selective pruning to improve health, tree form and longevity; periodic maintenance as necessary; selective thinning of trees; removing dead or damaged trees; and pest and disease control.

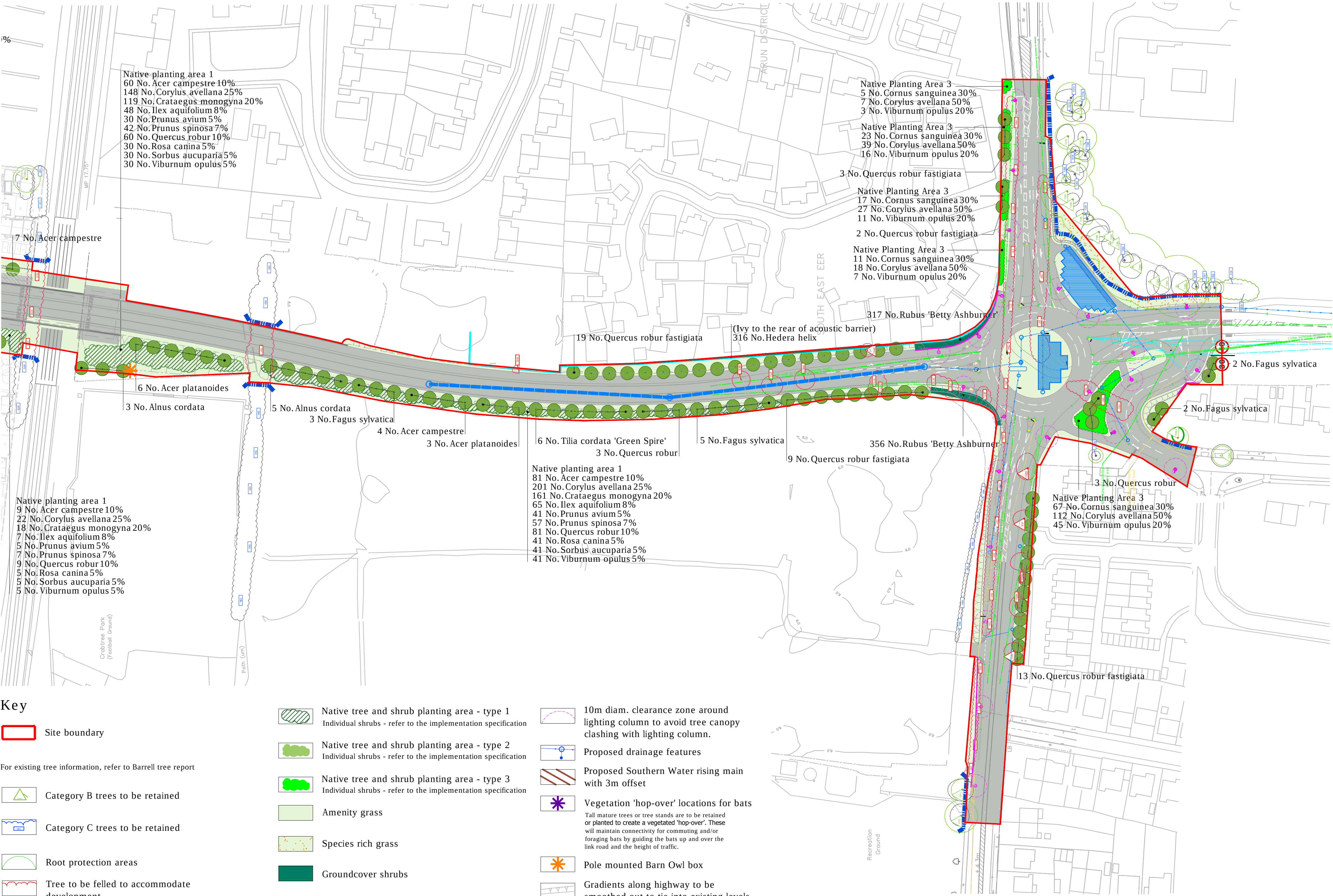
North
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Refer to SLB2 for outline specification and plant schedule



Key

- Site boundary
- For existing tree information, refer to Barrell tree report
- Category B trees to be retained
- Category C trees to be retained
- Root protection areas
- Tree to be felled to accommodate development
- Construction exclusion zone
- Refer to Barrell Tree Consultancy for arboricultural assessment & method statement

Proposed features

- Tree planting
- Proposed lighting column
- Proposed visibility splays

Outline specification

Ground Preparation:
Protection of existing woodland, trees and hedges against damage to be in accordance with the BS 5837:2012 - Trees in relation to design, demolition and construction - Recommendations. Protective fence to be approved.

Tree specification and planting to be in accordance with BS 8545:2014 - Trees: from nursery to independence in the landscape.

Excavations to B.S. 8000 part 1:1989. Excavated material removed off-site; good quality subsoil/topsoil stored on-site for re-use.

Landscape planting areas to have a minimum depth of soil of 500mm and grass areas will have 300mm.

Loosen formation level with single tine ripper, driven 450mm deep at 1m centres, when ground conditions are dry.

Supply approved imported subsoil to B.S. 3601:2013 Specification for subsoil and requirements for use - Multipurpose subsoil to make up any deficiency in on-site subsoil. Spread and level to depth of:

- 200mm for planting areas
- 200mm for grass areas

Supply approved imported topsoil to B.S. 3882:2015 Specification for topsoil - Multipurpose topsoil to make up for any deficiency in on-site topsoil. Spread and level to depth of:

- 300mm for planting areas
- 100mm for grass areas

Cultivate all landscape areas to a loose and friable tilth suitable for grass seeding or planting. Collect and remove from site all stones, builders' rubble and other deleterious material over 50mm in any dimension.

Excavate planting pits to the following dimensions:
Semi-mature trees: 1200 x 1200 x 700mm depth
Feathered Trees: 500 x 500 x 500mm depth
Container grown shrubs: 300 x 300 x 300mm depth

Backfill tree pits with 100/300mm depth subsoil and 400mm topsoil including Melcourt Topgrow peat free planting compost or similar approved at a rate of 0.125m³/pt.

Backfill shrub pits with topsoil including Melcourt Topgrow peat free planting compost or similar approved at a rate of 1.0m³/20m³.

Notch planting of transplant sized shrubs:

- Nothing: Make a vertical 'I', 'L', 'T' or 'H' notch. Care to be taken around roots of existing trees.

- Depth: To accommodate full depth of roots.
- Planting: plant shrub, close notch with root collar at ground level and firm the soil.
- Spacing of plants: 1 metre centres.

Plant arrangement:
Planting to be carried out on a random mix basis subject to the following conditions:

- Tree species: max. 5 no. plants & min. 3 no. plants per block
- Shrub species: max. 7 no. plants & min. 3 no. plants per block.

Plant protection:
Tree shelters: standard tree shelters to be provided to each transplant sized tree / shrub, such as Tubex Standard Treeshelter, or equivalent. Shelter height to be 0.6m, green colour with supporting cane.

Amenity Grass Areas:
Supply and spread pre-seeding N:P:K. fertiliser (10:15:10) at a rate of 30g/m²
Grass areas to be sown at a rate of 35g/m² with a suitable grass seed mix such as Germinal A19. Initial grass cutting and edge trimming down to 50mm

Species Rich Grass Areas:
Do not spread fertiliser onto the grass. Species rich grass areas to be sown at a rate of 4g/m² with a suitable seed mix such as EM1 Basic General Purpose Meadow mixture.

Planting Areas:
Plant specification to be in accordance with the HTA National Plant Specification: 03/02

Supply and plant, incorporating slow release fertiliser N:P:K - 4:19:10 ENMAG or similar approved at the following rates:
Semi-mature trees: 130g / tree pit
Feathered trees: Feathered Trees: 100g / tree pit
Container grown shrubs: 70g / m²

Provide and fix tree stakes and ties to the following dimensions:
Semi-mature trees: overall length 1500; height above ground: 750mm
Feathered Trees: overall length 1250mm; height above ground: 600mm

Provide and spread evenly over all planting areas an organic graded bark flakes or similar approved bark mulch to a depth of 50mm.

General Notes:
Substitutions, if made, should be similar in size, form and water demand.
Plant material shall be sourced from UK seed and UK grown plant material only.

Maintenance:
Refer to sheet SLB1

Persimmon Homes

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Landscape Proposals SLB2
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Trees				
Number	Species	Height	Girth	Specification
17 No.	Acer campestre	450-500cm	20-25cm	Semi-Mature :3x/4x :RB
19 No.	Acer platanoides	500-550cm	20-25cm	Semi-Mature :3x/4x :RB
8 No.	Alnus cordata	500-550cm	20-25cm	Semi-Mature :3x/4x :RB
6 No.	Carpinus betulus 'Fastigiata'	500-550cm	20-25cm	Semi-Mature :3x/4x :RB
12 No.	Fagus sylvatica	450-500cm	20-25cm	Semi-Mature :3x :RB
8 No.	Quercus robur	450-500cm	20-25cm	Semi-Mature :3x/4x :RB
92 No.	Quercus robur fastigiata	400-450cm		Feathered/specimen :5x :RB
37 No.	'Tilia cordata 'Green Spire'	500-550cm	20-25cm	Semi-Mature :3x/4x :RB

Semi-mature trees to be provided with 2.4m clear stem

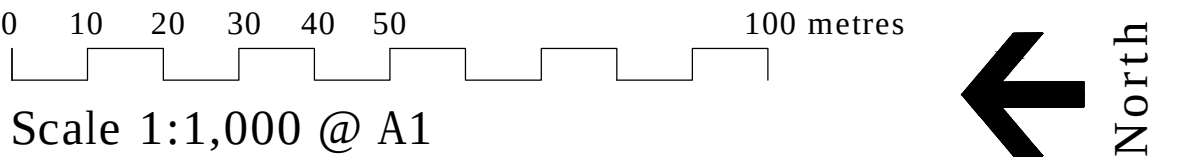
Shrubs			
Number	Species	Specification	Density
673 No.	Rubus 'Betty Ashburner'	:C	0.5Ctr

Climbers				
Number	Species	Specification	Height	Density
316 No.	Hedera helix	Several Shoots :3 brks :C	40-60cm	0.5Ctr

Native planting mix 1				
Number	Species	Specification	Height	Density
175 No.	Acer campestre	1+1 or 1+1 :Transplant - seed raised :B	40-60cm	1Ctr
433 No.	Corylus avellana	1+1 or 1/1 :Branched :2 brks :B	40-60cm	1Ctr
348 No.	Crataegus monogyna	1+1 or 1/1 :Transplant - seed raised :B	40-60cm	1Ctr
140 No.	Ilex aquifolium	Leader and laterals :C	40-60cm	1Ctr
89 No.	Prunus avium	1+1 or 1+1 :Transplant - seed raised :B	40-60cm	1Ctr
124 No.	Prunus spinosa	1+1 or 1/1 :Branched :2 brks :B	60-80cm	1Ctr
175 No.	Quercus robur	1+1 or 1+1 :Transplant - seed raised :B	40-60cm	1Ctr
89 No.	Rosa canina	1+1 or 1/1 :Branched :3 brks :B	60-80cm	1Ctr
89 No.	Sorbus aucuparia	1+1 or 1/1 :Transplant - seed raised :B	60-80cm	1Ctr
89 No.	Viburnum opulus	1+1 or 1/1 :Branched :2 brks :B	40-60cm	1Ctr
Total :1751 No.				

Native Planting mix 2				
Number	Species	Specification	Height	Density
764 No.	Acer campestre	1+1 or 1/1 :Transplant - seed raised :B	60-80cm	1Ctr
307 No.	Cornus sanguinea	1+1 or 1/1 :Branched :2 brks :B	40-60cm	1Ctr
916 No.	Corylus avellana	1+1 or 1/1 :Branched :2 brks :B	40-60cm	1Ctr
307 No.	Malus sylvestris	1+1 or 1/1 :Transplant - seed raised :B	40-60cm	1Ctr
307 No.	Salix caprea	0/1 :Branched :2 brks :B		1Ctr
215 No.	Sambucus nigra	1+1 or 1/1 :Branched :3 brks :B	60-80cm	1Ctr
245 No.	Sorbus aria	1+1 or 1/1 :Transplant - seed raised :B	40-60cm	1Ctr
Total :3061 No.				

Native Planting mix 3				
Number	Species	Specification	Height	Density
123 No.	Cornus sanguinea	1+1 or 1/1 :Branched :2 brks :B	40-60cm	1Ctr
203 No.	Corylus avellana	1+1 or 1/1 :Branched :2 brks :B	40-60cm	1Ctr
82 No.	Viburnum opulus	1+1 or 1/1 :Branched :2 brks :B	40-60cm	1Ctr
Total :408 No.				

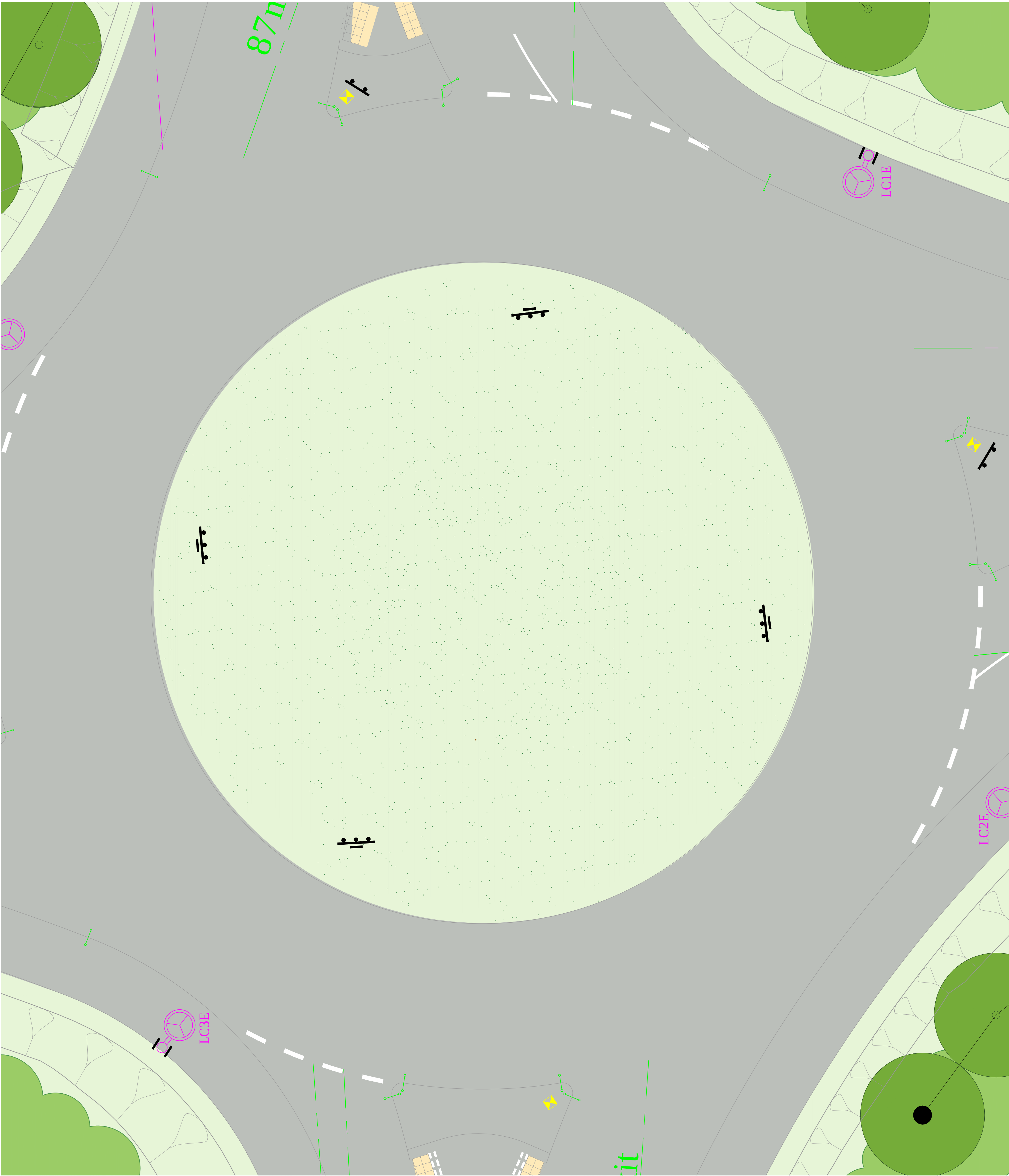


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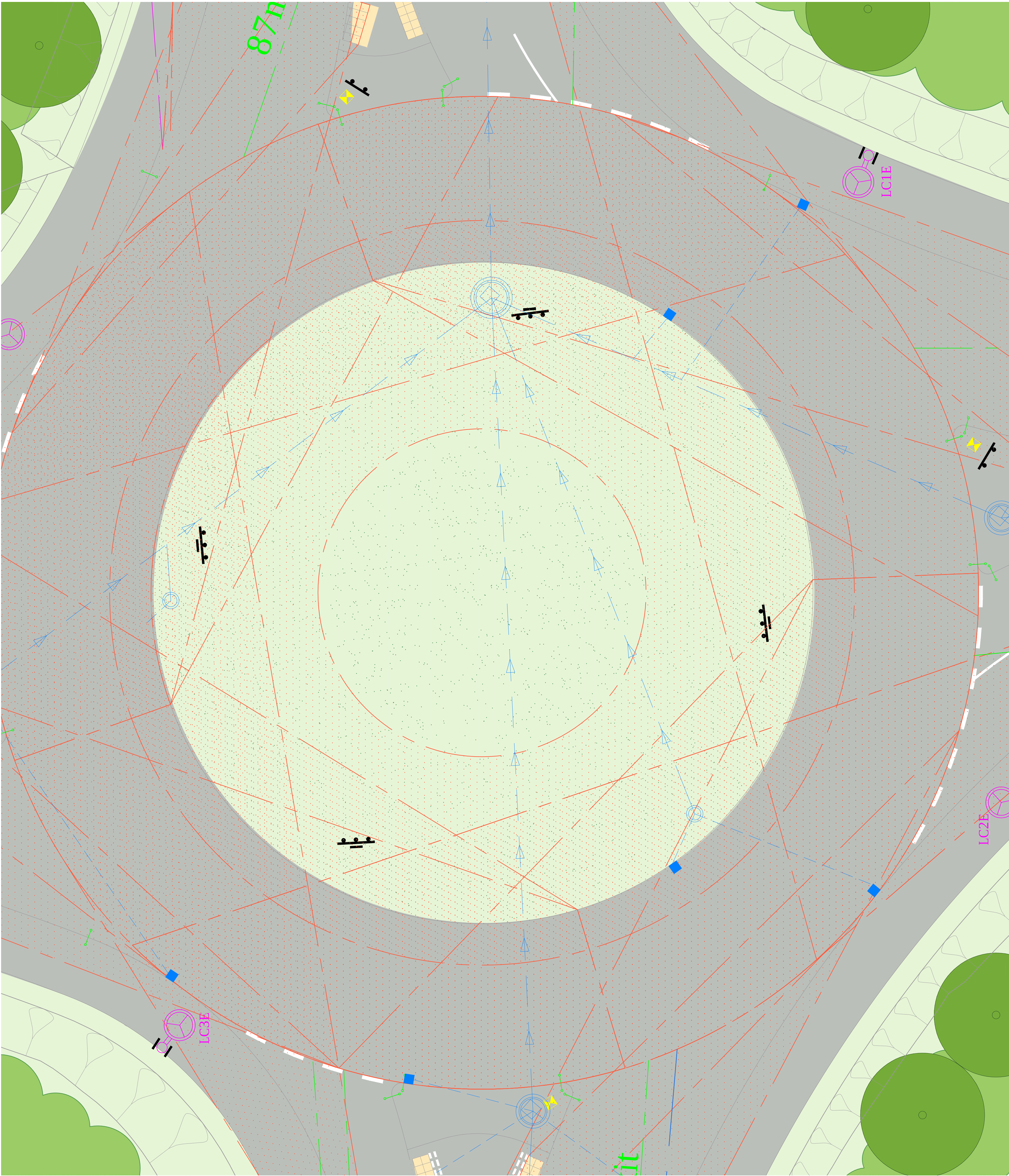
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Persimmon Homes

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Landscape Proposals: SLB3
Northern roundabout Revision E



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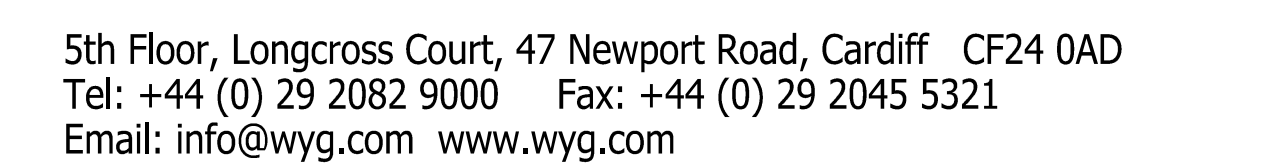
Landscape
Proposals: Northern
Roundabout (showing drainage
and visibility splays)

SLB3.1
Revision E

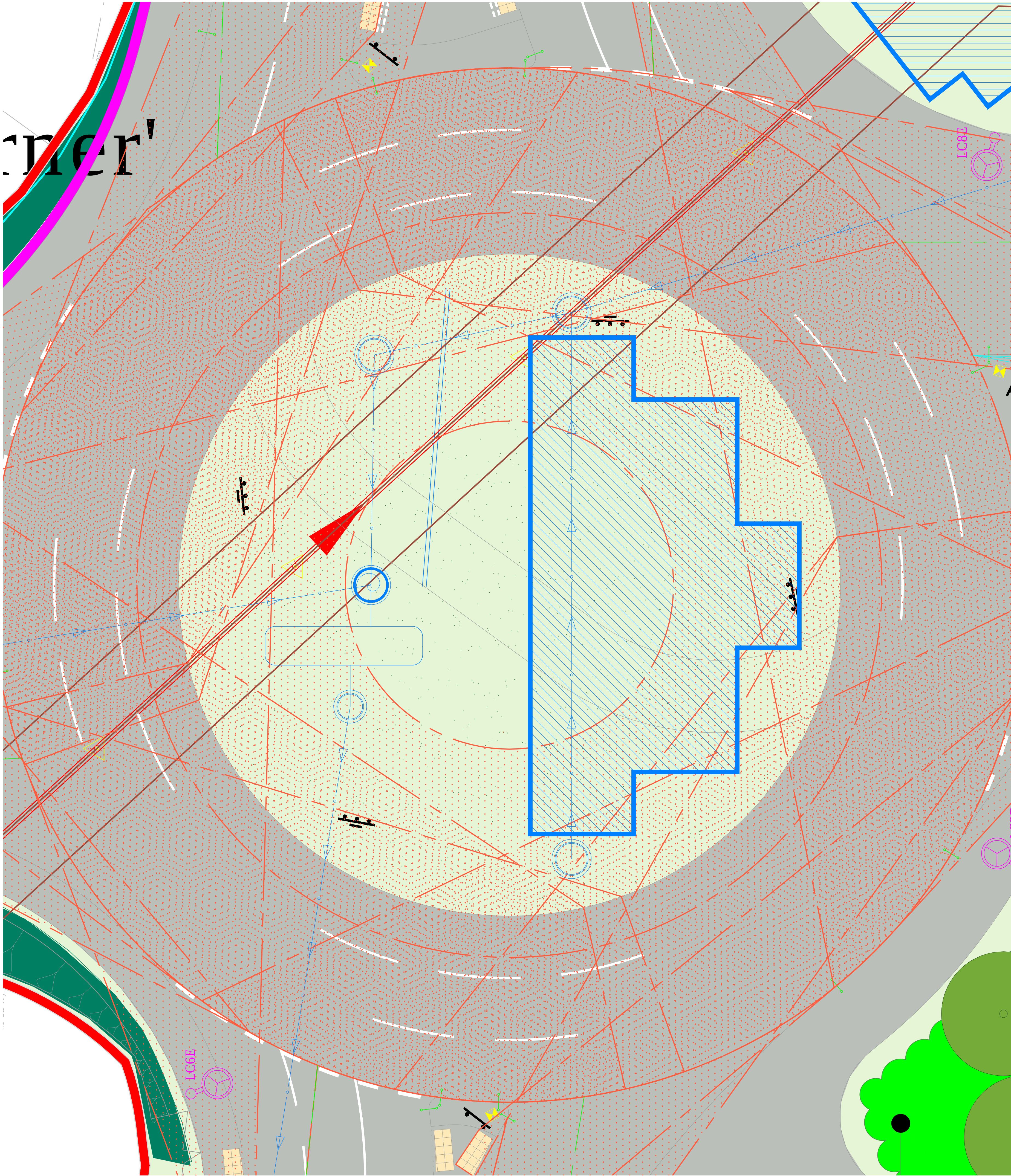


North Littlehampton: Southern Lyminster Bypass

Landscape Proposals: SLB4 Southern roundabout



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Persimmon Homes

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Southern Lyminster Bypass

Landscape
Proposals: Southern
Roundabout (showing drainage
and visibility splays)

SLB4.1
Revision E