

Plant schedule

Amenity Trees				
No.	Species Name	Height	Girth	Specification
6 -	Acer platanoides	500-550cm	20-25cm	Semi-Mature :3x/4x :RB
6 -	Alnus cordata	500-550cm	20-25cm	Semi-Mature :3x/4x :RB
4 -	Sorbus aria	300-350cm	10-12cm	Selected Standard *4x :B
26 -	Tilia cordata 'Green Spire'	500-550cm	20-25cm	Semi-Mature :3x/4x :RB
Total :42 No. Tree species to be provided with 2.4m clear stems.				

Native planting Mix 1				
Number	Species	Height	Specification	Density
186 -	Acer campestre	40-60cm	1+1 or 1+1 :Transplant - seed raised :B	1Ctr
131 -	Cornus sanguinea	40-60cm	1+1 or 1/1 :Branched :2 brks :B	1Ctr
370 -	Corylus avellana	40-60cm	1+1 or 1/1 :Branched :2 brks :B	1Ctr
241 -	Crataegus monogyna	40-60cm	1+1 or 1/1 :Transplant - seed raised :B	1Ctr
93 -	Ilex aquifolium	40-60cm	Leader and laterals :C	1Ctr
131 -	Malus sylvestris	40-60cm	1+1 or 1/1 :Transplant - seed raised :B	1Ctr
131 -	Prunus avium	40-60cm	1+1 or 1+1 :Transplant - seed raised :B	1Ctr
93 -	Prunus spinosa	60-80cm	1+1 or 1/1 :Branched :2 brks :B	1Ctr
57 -	Quercus robur	40-60cm	1+1 or 1+1 :Transplant - seed raised :B	1Ctr
93 -	Rosa canina	40-60cm	1+1 or 1/1 :Branched :3 brks :B	1Ctr
186 -	Sorbus aucuparia	60-80cm	1+1 or 1/1 :Transplant - seed raised :B	1Ctr
148 -	Viburnum opulus	40-60cm	1+1 or 1/1 :Branched :2 brks :B	1Ctr
Total :1860 No.				

Native planting Mix 2				
Number	Species	Height	Specification	Density
217 -	Acer campestre	60-80cm	1+1 or 1/1 :Transplant - seed raised :B	1Ctr
73 -	Cornus sanguinea	40-60cm	1+1 or 1/1 :Branched : :2 brks :B	1Ctr
318 -	Corylus avellana	40-60cm	1+1 or 1/1 :Branched : :2 brks :B	1Ctr
188 -	Crataegus monogyna	40-60cm	1+1 or 1/1 :Transplant - seed raised :B	1Ctr
101 -	Ilex aquifolium	40-60cm	Leader and laterals :C	1Ctr
73 -	Malus sylvestris	40-60cm	1+1 or 1/1 :Transplant - seed raised :B	1Ctr
73 -	Prunus spinosa	60-80cm	1+1 or 1/1 :Branched :2 brks :C	1Ctr
101 -	Rosa canina	60-80cm	1+1 or 1/1 :Branched :3 brks :C	1Ctr
58 -	Sambucus nigra	60-80cm	1+1 or 1/1 :Branched :3 brks :B	1Ctr
145 -	Sorbus aria	40-60cm	1+1 or 1/1 :Transplant - seed raised :B	1Ctr
101 -	Viburnum opulus	60-80cm	1+1 or 1/1 :Branched :2 brks :B	1Ctr
Total :1448 No.				

Native hedge				
Number	Species	Height	Specification	Density
257 -	Acer campestre	60-80cm	1+1 or 1/1 :Transplant - seed raised :B	0.3Ctr Double Staggered at 0.25m offset
257 -	Cornus sanguinea	40-60cm	1+1 or 1/1 :Branched : :2 brks :B	0.3Ctr Double Staggered at 0.25m offset
342 -	Corylus avellana	40-60cm	1+1 or 1/1 :Branched : :2 brks :B	0.3Ctr Double Staggered at 0.25m offset
342 -	Crataegus monogyna	40-60cm	1+1 or 1/1 :Transplant - seed raised :B	0.3Ctr Double Staggered at 0.25m offset
172 -	Ilex aquifolium	40-60cm	Leader and laterals :C	0.3Ctr Double Staggered at 0.25m offset
89 -	Malus sylvestris	40-60cm	1+1 or 1/1 :Transplant - seed raised :B	0.3Ctr Double Staggered at 0.25m offset
89 -	Rosa canina	60-80cm	1+1 or 1/1 :Branched :3 brks :B	0.3Ctr Double Staggered at 0.25m offset
172 -	Sorbus aria	40-60cm	1+1 or 1/1 :Transplant - seed raised :B	0.3Ctr Double Staggered at 0.25m offset
Total :1720 No.				

Native hedge
98 No. Acer campestre 15%
98 No. Cornus sanguinea 15%
130 No. Corylus avellana 20%
33 No. Malus sylvestris 5%
65 No. Sorbus aria 10%
130 No. Crataegus monogyna 20%
65 No. Ilex aquifolium 10%
33 No. Rosa canina 5%

Native hedge
73 No. Acer campestre 15%
73 No. Cornus sanguinea 15%
98 No. Corylus avellana 20%
25 No. Malus sylvestris 5%
49 No. Sorbus aria 10%
98 No. Crataegus monogyna 20%
49 No. Ilex aquifolium 10%
25 No. Rosa canina 5%

Native hedge
7 No. Acer campestre 15%
7 No. Cornus sanguinea 15%
9 No. Corylus avellana 20%
3 No. Malus sylvestris 5%
5 No. Sorbus aria 10%
9 No. Crataegus monogyna 20%
5 No. Ilex aquifolium 10%
3 No. Rosa canina 5%

Native hedge
49 No. Acer campestre 15%
49 No. Cornus sanguinea 15%
66 No. Corylus avellana 20%
17 No. Malus sylvestris 5%
33 No. Sorbus aria 10%
66 No. Crataegus monogyna 20%
33 No. Ilex aquifolium 10%
17 No. Rosa canina 5%

Proposed hard landscape

Refer to Mayer Brown drawings for hard landscape details including kerbs

-  Footway and highway: tarmac
-  Blister tactile paving - red colour
-  Gravel (Type 1) laid over weed control fabric membrane to rear of acoustic barrier. Depth of gravel to be 100 mm

Maintenance and Management

Maintenance

All landscape areas to be maintained in accordance with B.S. 7370 Part 3:1991 and Part 4:1993; including weed control, and adjustment to tree stakes and ties. Maintenance operations to successfully establish plants shall be carried out for the first 5 years after planting.

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

Any plants which, within a period of 5 years from the date of planting, die, are removed or become seriously damaged shall be replaced in the next planting season with others of similar size and species, to be agreed in writing by the Local Planning Authority. For all new landscape areas, the following maintenance programme shall be undertaken:

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

Watering: Water to establish trees and there after during periods of drought. Water should be applied slowly to avoid soil erosion. Watering shrubs shall be carried out to maintain vigorous plant growth. Water shall soak into the ground; it is not sufficient to dampen the surface. Water must be applied slowly to avoid damage to plants.

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.

Fertiliser: Applications of fertiliser to be carried out early in the growing season. Ensure correct fertiliser application. Inspect once a month and after very heavy winds. Adjust ties if necessary to

conform to stem growth or to prevent chafing.

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.

Pest and disease control: To be carried out if necessary and in accordance with best practice.

Litter removal: Collect and remove all extraneous rubbish.

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

Mowing: Amenity grass areas shall be managed to a height of 40mm. Species rich grass areas to be mowed as advised by the supplier.

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

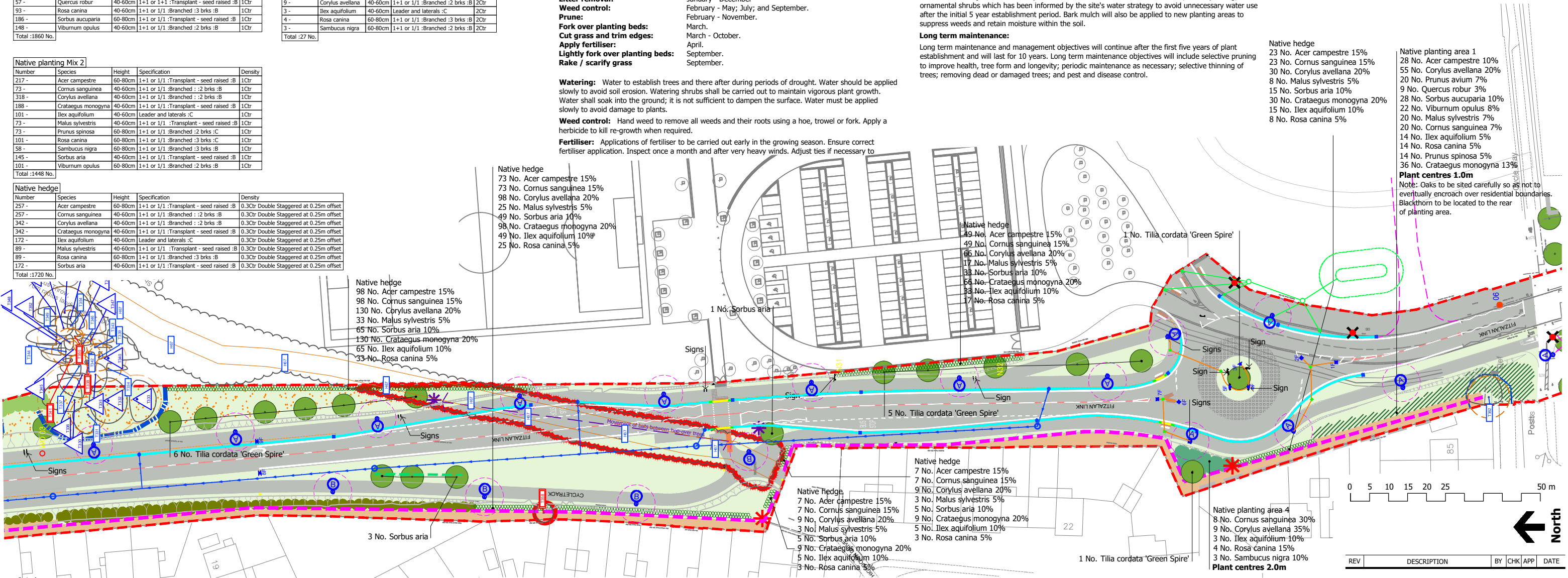
Spiking (Aeration): Aerate to increase water, nutrient and oxygen movement into the soil.

General: If grass surface is disturbed by over use, restore by firming or lifting with a fork

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 unnecessary water use after the initial 5 year establishment period. Bark mulch will also be applied to new planting areas to suppress weeds and retain moisture within the soil.

Long term maintenance:

Long term maintenance and management objectives will continue after the first five years of plant establishment and will last for 10 years. Long term maintenance objectives will include 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.



Key

 Site boundary

 Existing vegetation retained (shown indicatively)

For existing tree information, refer to Barrell Tree report

 Category B trees to be retained

 Category C trees to be retained

 Category U trees (to be felled because of condition)

 Root protection areas

 Tree to be felled to accommodate development

 Construction exclusion zone
Refer to the tree protection plan

Proposed features

 Tree planting

 Native tree and shrub planting area 1

 Native tree and shrub planting area 2

 Native tree and shrub planting area 3

 Native tree and shrub planting area 4

 Native hedge planting

 Amenity grass

 Species rich grass

 Proposed acoustic barrier - 3.5m high
GRAMM METASoundBlok. Either / or grade DXS1D+2200/275-NA galvanised steel plating in accordance with standard UNE EN 10142, or with AA 3105 H24 aluminium sheet. Powder coating finish - colour to be confirmed. Gravel board to be buried 100mm below ground level. Refer to the Noise Assessment report for details.

 Proposed acoustic gate for maintenance access

 Proposed lighting column

Refer to drawing: SSE-976262-SL-DR-001 for lighting columns

 Proposed root barrier

To be installed where the distance between the treepit extent and the edge of the highway drain trench or road kerb is less than 2m. Rootball fixing strap system to be provided by Platipus to secure the trees. Supplier: Greenblue. Product: Reroot 1000/2000.

 10m diam. clearance zone around lighting column to avoid tree canopy clashing with lighting column.

 Proposed drainage features

Refer to Mayer Brown drawing: PHF-MB-S278-GF-DR-D-212 01 to 03 for drainage information

 Vegetation 'hop-over' locations for bats

Where hedgerows are to be bisected to accommodate the Fitzalan Link road, tall mature trees or tree stands are to be retained or planted to create a vegetated 'hop-over'. These will maintain connectivity for commuting and/or foraging bats by guiding the bats up and over the link road and the height of traffic.

 Gradients along highway to be smoothed out to tie into existing levels

PERSIMMON HOMES THAMES VALLEY

5th FLOOR, LONGCROSS COURT
47 NEWPORT ROAD
CARDIFF
CF24 0AD

TEL: +44 (0)29 2082 9200
e-mail: cardiff@wyg.com

Project:

NORTH LITTLEHAMPTON
SOUTHERN BYPASS WORKS

Drawing Title:

PROPOSED S38/S278 HIGHWAY WORKS

FITZALAN LINK

LANDSCAPE PROPOSALS 2 OF 2

Scale @	A3	Drawn	Date	Checked	Date	Approved	Date
1:1,000		LB	29.07.19				
Project No.	Office	Type	Drawing No.	Revision			
A088461	4124	-	PHFL-WYG-S278-LP-FL2	S			