

Amenity Trees				
No.	Species Name	Height	Girth	Specification
6 -	Acer platanoides	500-550cm	20-25cm	Semi-Mature :3x/4x :RB
8 -	Alnus cordata	500-550cm	20-25cm	Semi-Mature :3x/4x :RB
5 -	Sorbus aria	300-350cm	10-12cm	Selected Standard :4x :B
28 -	Tilia cordata 'Green Spire'	500-550cm	20-25cm	Semi-Mature :3x/4x :RB
Total :47 -		Tree species to be provided with 2.4m clear stems.		

Native planting Mix 1				
Number	Species	Height	Specification	Density
209	<i>Acer campestre</i>	40-60cm	1+1 or 1+1 : Transplant - seed raised :B	1Cr
147	<i>Cornus sanguinea</i>	40-60cm	1+1 or 1/1 : Branched : 2 brks :B	1Cr
415	<i>Corylus avellana</i>	40-60cm	1+1 or 1/1 : Branched : 2 brks :B	1Cr
271	<i>Crataegus monogyna</i>	40-60cm	1+1 or 1/1 : Transplant - seed raised :B	1Cr
105	<i>Ilex aquifolium</i>	40-60cm	Leader and laterals :C	1Cr
147	<i>Malus sylvestris</i>	40-60cm	1+1 or 1/1 : Transplant - seed raised :B	1Cr
147	<i>Prunus avium</i>	40-60cm	1+1 or 1/1 : Transplant - seed raised :B	1Cr
105	<i>Prunus spinosa</i>	60-80cm	1+1 or 1/1 : Branched : 2 brks :B	1Cr
63	<i>Quercus robur</i>	40-60cm	1+1 or 1/1 : Transplant - seed raised :B	1Cr
105	<i>Rosa canina</i>	40-60cm	1+1 or 1/1 : Branched : 3 brks :B	1Cr
209	<i>Sorbus aucuparia</i>	60-80cm	1+1 or 1/1 : Transplant - seed raised :B	1Cr
167	<i>Viburnum opulus</i>	40-60cm	1+1 or 1/1 : Branched : 2 brks :B	1Cr
Total :2090 -				

Native Planting Mix 2				
Number	Species	Height	Specification	Density
295 -	Acer campestre	60-80cm	1+1 or 1/1 : Transplant - seed raised :B	1Ctr
330 -	Cornus sanguinea	40-60cm	1+1 or 1/1 : Branched : 2 brks :B	1Ctr
433 -	Corylus avellana	40-60cm	1+1 or 1/1 : Branched : 2 brks :B	1Ctr
256 -	Crataegus monogyna	40-60cm	1+1 or 1/1 : Transplant - seed raised :B	1Ctr
138 -	Ilex aquifolium	40-60cm	Leader and laterals :C	1Ctr
99 -	Malus sylvestris	40-60cm	1+1 or 1/1 : Transplant - seed raised :B	1Ctr
99 -	Prunus spinosa	60-80cm	1+1 or 1/1 : Branched : 2 brks :C	1Ctr
138 -	Rosa canina	60-80cm	1+1 or 1/1 : Branched : 3 brks :C	1Ctr
80 -	Sambucus nigra	60-80cm	1+1 or 1/1 : Branched : 3 brks :B	1Ctr
197 -	Sorbus aria	40-60cm	1+1 or 1/1 : Transplant - seed raised :B	1Ctr
138 -	Viburnum opulus	60-80cm	1+1 or 1/1 : Branched : 2 brks :B	1Ctr
Total : 1972 -				

Native hedge				
Number	Species	Height	Specification	Density
256	Acer campestre	60-80cm	1+1 or 1/1 : Transplant - seed raised :B	0.3Cr Double Staggered at 0.25m offset
256	Cornus sanguinea	40-60cm	1+1 or 1/1 : Branched : 2 brks :B	0.3Cr Double Staggered at 0.25m offset
340	Corylus avellana	40-60cm	1+1 or 1/1 : Branched : 2 brks :B	0.3Cr Double Staggered at 0.25m offset
340	Crataegus monogyna	40-60cm	1+1 or 1/1 : Branched - seed raised :B	0.3Cr Double Staggered at 0.25m offset
181	Ilex aquifolium	60-80cm	Leader and laterals :B	0.3Cr Double Staggered at 0.25m offset
97	Malus sylvestris	40-60cm	1+1 or 1/1 : Transplant - seed raised :B	0.3Cr Double Staggered at 0.25m offset
171	Rosa canina	60-80cm	1+1 or 1/1 : Branched : 3 brks :B	0.3Cr Double Staggered at 0.25m offset
171	Sorbus aria	40-60cm	1+1 or 1/1 : Transplant - seed raised :B	0.3Cr Double Staggered at 0.25m offset

Native planting Mix 3				
Number	Species	Height	Specification	Density
69 -	<i>Acer campestre</i>	60-80cm	1+1 or 1/1 : Transplant - seed raised - B	1ctr
24 -	<i>Cornus sanguinea</i>	40-60cm	1+1 or 1/1 : Branched - 2 brks - B	1ctr
93 -	<i>Corylus avellana</i>	40-60cm	1+1 or 1/1 : Branched - 2 brks - B	1ctr
69 -	<i>Crataegus monogyna</i>	40-60cm	1+1 or 1/1 : Transplant - seed raised - B	1ctr
69 -	<i>Ilex aquifolium</i>	40-60cm	C: Leader and laterals	1ctr
24 -	<i>Malus sylvestris</i>	40-60cm	1+1 or 1/1 : Transplant - seed raised - B	1ctr
24 -	<i>Rosa canina</i>	60-80cm	1+1 or 1/1 : Branched - 3 brks - B	1ctr
24 -	<i>Sambucus nigra</i>	60-80cm	1+1 or 1/1 : Branched - 3 brks - B	1ctr
47 -	<i>Sorbus aria</i>	40-60cm	1+1 or 1/1 : Transplant - seed raised - B	1ctr
24 -	<i>Viburnum opulus</i>	60-80cm	1+1 or 1/1 : Branched - 2 brks - B	1ctr

Native planting Mix 4				
Number	Species	Height	Specification	Density
8 -	<i>Cornus sanguinea</i>	40-60cm	1+1 or 1/1 : Branched :2 brks :B	2Ctr
9 -	<i>Corylus avellana</i>	40-60cm	1+1 or 1/1 : Branched :2 brks :B	2Ctr
3 -	<i>Ilex aquifolium</i>	40-60cm	Leader and laterals :C	2Ctr
4 -	<i>Rosa canina</i>	60-80cm	1+1 or 1/1 : Branched :3 brks :B	2Ctr
2 -	<i>Sambucus nigra</i>	60-80cm	1+1 or 1/1 : Branched :2 brks :B	2Ctr
Total :27 -				

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.

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.
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.

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

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.



1. Refer to the engineer's drawings, 212-01 and 212-02, for proposed contours.
2. Landscape protection measures: whilst this drawing shows Construction Exclusion Zones, refer to the Arboricultural Report dated 4th August 2016 for details of protection fencing and construction exclusion zones.
3. Ducting to lighting columns and any other underground services are not to conflict with roots of the proposed trees. Where necessary, underground tree root deflectors/barriers are to be installed to ensure that tree roots do not interfere with underground ducting and services.
4. For existing boundaries along the west, refer to the Boundary Type and Audit information prepared by Persimmon Homes showing details of existing boundaries and locations. Boundaries shall be maintained as per existing arrangements (between WSCC and the occupiers where relevant).

 Site boundary

 Existing vegetation retained
(shown indicatively)

 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

	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 DX51D+Z200/275-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 tree pit 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

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

REV	DESCRIPTION	BY	CHK	APP	DATE
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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 1:1,000	Drawn DC	Date 12.06.20	Checked LB	Date 12.06.20	Approved LB	Date 12.06.20
Project No. A088461-1	Office 4124	Type -	Drawing No. PHFL-WYG-S278-LP-FL2		Revision W	