



KEY

GENERAL INFORMATION

PLANNING APP BOUNDARY

Wider Works by Others

WATERCOURSE

SOFTWORKS

EXISTING TREE REMOVED /RETAINED

REFER TO TREE SURVEY/ ARB REPORT

SUB CANOPY & UNDERSTORY PLANTING

TO NATIVE TREE PLANTING

REFER TO PLANTING SCHEDULE

NEUTRAL GRASSLAND ENHANCEMENT

HABITAT AREAS

REFER TO PLANTING SCHEDULE / SHEET 3004

NEUTRAL GRASSLAND CREATION

HABITAT AREAS

REFER TO PLANTING SCHEDULE / SHEET 3004

MODIFIED GRASSLAND PLANTING

HABITAT AREAS

REFER TO PLANTING SCHEDULE / SHEET 3004

RETAINED HABITATS

Note:
To be read in conjunction with the
Landscape Ecology Management Plan
(LEMP)

P01.3	02/03/22	Updated for planning			
P01.2	11/08/21	Updated for planning			
P01.1	21/07/21	Issued for planning			
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status Issued for Planning					Suitability



Contractor(s)

SEED
Architects

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Location/ Level	No Specific Location			
Type	Drawing	Sub Type	Plan	
Role	Architect	Dicipline	Architecture	
Volume/ System	No specific volume or system			
Phasing	Proposed	Grip Stage	4	

Project
Headbolt Lane Station

Drawing Title
**Planning Application Drawing
Landscape & Ecology Strategy**

Designed		Signed	Date
Drawn		Signed	Date
Checked		Signed	Date
Approved		Signed	Date
Scale(s)	1:800	ELR & Mileage	
Alternative Reference			Sheet 1 of 1
Drawing Number 170248-1584-ZZ-ZZZ-DRG-A-AR-013035			Revision P01.3

PLANT SCHEDULE

Client: Network Rail
Project: Headbolt Station
Location: Kirkby
Schedule name: **Headbolt Station**
Drawing ref.: 240-LYR-XX-XX-SCH-L-0000-Planting Schedule
Revision: 01

Date: 12/01/22
Created by: oliver Kingshott - Styal office
Notes: General densities and mixes shown, plant quantities subject to detailed planting plans



Specimin Tree Planting

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	% mix
A r	Acer rubrum	Red Maple	18-20	450-650	RB	3x; EHS; clear stem min. 200cm	5
A gl	Alnus glutinosa	Common Alder	18-20	425-600	RB	3x; EHS; clear stem min. 200cm	5
B u j	Betula utilis jacquemontii	White-barked Himalayan Birch		200-250	RB	3x; Multi-stem; bushy; 3 stems min.	4
C be 'P'	Carpinus betulus 'Fastigiata'	Fastigiata Hornbeam	20-25	500-550	RB	3x; Semi-mature; clear stem min. 200cm	10
C mas	Cornus mas	Cornelian Cherry		200-250	45-85L	Multi-stem; bushy; 3 stems min.	5
C lae 'P'	Crataegus laevigata 'Plena'	Double White Hawthorn	18-20	450-500	RB	3x; EHS; clear stem min. 200cm	5
C mon 'S'	Crataegus monogyna 'Stricta'	Hawthorn 'Stricta'	18-20	450-500	100-200L	EHS; clear stem min. 200cm	5
M 'D M'	Malus 'Director Moerland'	Crab Apple 'Director Moerland'	18-20	450-500	RB	3x; EHS; clear stem min. 200cm	5
M 'P'	Malus 'Profusion'	Crab Apple 'Profusion'	16-18	400-450	RB	3x; EHS; clear stem min. 200cm	3
P ni	Pinus nigra	Austrian Pine		500-600	RB	6x; leader with laterals; feathered to base	3
P sy	Pinus sylvestris	Scots Pine		500-600	RB	6x; leader with laterals; feathered to base	10
P av	Prunus avium	Wild Cherry	18-20	450-500	100-200L	EHS; clear stem min. 200cm	5
P c 'Ch'	Pyrus calleryana 'Chanticleer'	Flowering Pear 'Chanticleer'	30-35	550-600	RB	3x; Semi-mature; clear stem min. 200cm	5
Q p	Quercus palustris	Pin Oak	25-30	550-600	250-350L	Semi-mature; clear stem min. 200cm	5
Q r	Quercus robur	Common Oak	25-30	550-600	RB	4x; Semi-mature; clear stem min. 200cm	5
S an	Sorbus ania	Whitebeam	18-20	450-500	RB	3x; EHS; clear stem min. 200cm	5
S an 'M'	Sorbus ania 'Majestica'	Whitebeam 'Majestica'	18-20	450-500	100-200L	EHS; clear stem min. 200cm	10
S auc	Sorbus aucuparia	Rowan	25-30	450-500	100-200L	EHS; clear stem min. 200cm	5

Car Park Tree Planting

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Fully Grown Height	Fully Grown Spread	% mix
A la	Amelanchier laevis	Allegheny Serviceberry		250-300	B	2x; Feathered; 7 brks	6-8m	6-8m	20
C lae 'P S'	Crataegus laevigata 'Paul's Scarlet'	Midland Hawthorn 'Paul's Scarlet'	18-20	450-500	RB	3x; EHS; clear stem min. 200cm	6-8m	6m	20
M 'R'	Malus 'Rudolph'	Crab Apple 'Rudolph'	16-18	400-450	80-100L	EHS; clear stem min. 200cm	5-6m	4-5m	10
P 'Am'	Prunus 'Amanagawa'	Lombardy Cherry	18-20	400-450	RB	3x; EHS; clear stem min. 200cm	8m	3m	20
P 'f' Gf'	Prunus fruticosa 'Globosa'	Dwarf Globe Cherry	25-30	min 400	RB	4x; Semi-mature; clear stem 175-200cm	5m	3m	10
S 'K P'	Sorbus 'Kirsten Pink'	Rowan 'Kirsten Pink'	18-20	450-500	RB	3x; EHS; clear stem min. 200cm	6m	4m	20

Individual Tree Planting to Habitat Areas

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	% mix
A ca	Acer campestre	Common Maple	12-14	350-425	RB	Heavy Standard	10
C mon	Crataegus monogyna	Common Hawthorn	10-12	300-350	RB	Standard	10
C mon 'S'	Crataegus monogyna 'Stricta'	Hawthorn 'Stricta'	12-14	350-425	RB	Heavy Standard	10
I a	Ilex aquifolium	Common Holly	8-10	200-250	RB	Standard	20
Q rob	Quercus robur	Common Oak	10-12	300-350	RB	Standard	25
T co	Tilia cordata	Small-leaved Lime	12-14	350-425	RB	Heavy Standard	25

Ornamental shrubs and grasses

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Density m2
	Actaea simplex	Bugbane			3L	Full pot	5
	Ajuga reptans	Bugle			2L	Full pot; Sept to April planting; British native-origin	4
	Allium schoenoprasum	Chives			3L	Full pot	3
	Anemone nemorosa	Wood Anemone			2L	Full pot	3
	Aquilegia McKana Hybrids	Columbine McKana Hybrids			3L	Full pot	6
	Aquilegia vulgaris	Granny's Bonnet			2L	Full pot	6
	Athyrium filix-femina 'Frizelliae'	Mrs Frizell's Lady Fern			5L	Full pot	4
	Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass 'Karl Foerster'			5L	Full pot	3
	Carex dipsacea	a New Zealand Sedge			3L	Full pot	3
	Carex phyllocephala 'Sparkler'	Sparkler Sedge			3L	Full pot	3
	Choisya ternata 'Sundance'	Mexican Orange Blossom 'Sundance'	40-60	5L	Bushy; 5 brks	3	
	Cornus sanguinea	Common Dogwood	40-60	3L	Branched; 4 brks	4	
	Cortaderia selloana 'Albolineata'	Pampas Grass 'Silver Stripe'		5-7.5L	Full pot	3	
	Deschampsia cespitosa	Tufted Hair Grass		3L	Full pot	4	
	Deschampsia cespitosa 'Tautrager'	Tufted Hair Grass 'Tautrager'		5L	Full pot	5	
	Dryopteris erythrosora	Japanese Rosy Buckler		3L	Full pot	3	
	Echinacea paradoxa	Yellow Coneflower		3L	Full pot	5	
	Echinacea purpurea	Purple Coneflower		3L	Full pot	5	
	Echinops bannaticus 'Taplow Blue'	Blue Globe Thistle 'Taplow Blue'		3L	Full pot	4	
	Hedera colchica	Persian Ivy	60-80	3L	Caned; several shoots; 3 brks	3	
	Hedera helix	Common Ivy	40-60	2L	Several shoots; 3 brks	4	
	Heuchera 'Caramel'	Coral Flower 'Caramel'		3L	Full pot	5	
	Kniphofia rooperi	Rooper's Red Hot Poker		3L	Full pot	4	
	Lonicera x brownii 'Dropmore Scarlet'	Scarlet Trumpet Honeysuckle 'Dropmore Scarlet'	80-100	3L	Caned; several shoots; 3 brks	3	
	Lonicera fragrantissima	Winter Honeysuckle	60-80	3L	Branched; 5 brks	3	
	Lonicera periclymenum	Common Honeysuckle	60-80	3L	Caned; several shoots; 3 brks	3	
	Luzula sylvatica	Great Wood-rush		3L	Full pot; Sept to April planting; British native-origin	5	
	Passiflora caerulea	Blue Passion Flower	80-100	3L	Caned; several shoots; 3 brks	3	
	Pennisetum alopecuroides 'Hamel'	Fountain Grass 'Hamel'		3L	Full pot	4	
	Pittosporum tenuifolium	Kohuhu	30-40	3L	Branched; 3 brks	3	
	Polypodium vulgare	Common Polypody		3L	Full pot	4	
	Prunus lusitanica	Portuguese Laurel	40-60	5L	Bushy; 5 brks	3	
	Rosmarinus officinalis	Rosemary	30-40	3L	Bushy; 4 brks	4	
	Rosmarinus officinalis 'Severn Sea'	Rosemary 'Severn Sea'	30-40	3L	Bushy; 4 brks	4	
	Stipa tenuissima	Mexican Feather Grass		3L	Full pot	7	

Bulb Clusters to Ornamental Beds

Abbrev.	Botanical Name	Common Name		Root Zone	Specification	Density m2
	Allium sphaerocephalon	Round-headed Leek			Grade 5/+	6
	Anemone nemorosa	Wood Anemone			Full pot	8
	Crocus 'Jackanapes'	Montbretia 'Jackanapes'			Grade 8/+ Topsize	20
	Fritillaria meleagris	Snake's Head Fritillary			Grade 6/+ Topsize	10
	Narcissus 'Thalia'	Daffodil 'Thalia'			Grade 10/12	20
	Triteleia laxa	Grassnut			Grade 6/+ Topsize	10

Sub-Canopy Species to Habitat Areas

% mix	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Density
20	Alnus glutinosa			80-100	BR	Transplant	4m cc
20	Betula pendula			80-100	BR	Transplant	4m cc
10	Salix caprea			80-100	BR	Transplant	4m cc
10	salix viminalis			80-100	BR	Transplant	4m cc
10	Sorbus aucuparia			80-100	BR	Transplant	4m cc
10	Euonymus europaeus			80-100	BR	Transplant	4m cc
20	Ilex aquifolium			80-100	BR	Transplant	4m cc

Understorey Species to Habitat Areas

% mix	Botanical Name	Common Name	Size	Height cm	Pot Size	Specification	Density
20	Viburnum opulus			40-60	BR	Transplant	2m cc
20	Corylus avellana			40-60	BR	Transplant	2m cc
10	Ilex aquifolium			60-80	SLPG	Transplant	2m cc
10	Crataegus monogyna			60-80	BR	Transplant	2m cc
10	Crataegus monogyna 'Stricta'			60-80	BR	Transplant	2m cc
20	Sambucus nigra						2m cc
	Dwarf Barberry			15-20	2L	Bushy; 3 brks	2m cc

Native Mixed Hedge

Abbrev.	Botanical Name	Species including	% mix			Specification	In/m
	Mixed	Quickthorn	25			Instant hedging: 40cm wide x 100cm long trough; pre-formed with continuous root-strip dense, straight sided, furnished to base, neatly clipped - Planted in a double row	541m
		Blackthorn	25				
		Crabapple	25				
		x5 Species of the following dependant on seasonal availability: Common Alder, Bird Cherry, Gulder Rose, Hazel, Dog Rose, Common Dogwood, Elder, Hornbeam, Spindle, Wild Crabapple	25				

Rain Gardens

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Density m2	% mix
C b	Calamagrostis brachytricha	Korean Feather Grass			3L	Full pot	5	20
C pe	Carex pendula	Pendulous Sedge			3L	Full pot	4	10
C 'lu'	Crococsmia 'Lucifer'	Montbretia 'Lucifer'			3L	Full pot	3	5
D cae	Deschampsia cespitosa	Tufted Hair Grass			3L	Full pot	5	10
D c 'G'	Deschampsia cespitosa 'Goldschleier'	Tufted Hair Grass 'Goldschleier'			3L	Full pot	5	10
E pal	Echinacea pallida	Pale Purple Coneflower			3L	Full pot	6	10
Hs 'bh'	Heuchera sanguinea 'Bressingham Hybrids'	Coral Bells 'Bressingham Hybrids'			3L	Full pot	5	5
P t 'A'	Phlomis tuberosa 'Amazon'	Jerusalem Sage 'Amazon'		30-40	3L	Full pot	4	5
Ku	Kniphofia uvarua				5L	Full pot	4	10
R f d	Rudbeckia fulgida deamii	Black-eyed Susan deamii			3L	Full pot	5	10
S h d	Sarcococca hookeriana digyna	Sweet Box digyna		30-40	5L	Bushy; 6 brks	5	5

Grassland Habitat Areas

	Botanical Name		Rate			Specification	Area m2
	EM2 - standard general purpose meadow mixture		4g/m2			https://wildseed.co.uk/mixtures/view/3/standard-general-purpose-meadow-mixture	

Aquatic/ Marginal Habitat Areas

Abbrev.	Botanical Name	Species including	Rate			Specification	Area m2
	EP1 - pond edge mixture		4g/m2			https://wildseed.co.uk/mixtures/view/13	



Specimin Tree Planting

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A r	Acer rubrum	Red Maple	18-20	450-650	RB	3x; EHS; clear stem min. 200cm	5
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C mon 'S'	Crataegus monogyna 'Stricta'	Hawthorn 'Stricta'	18-20	450-500	100-200L	EHS; clear stem min. 200cm	5
M 'D M'	Malus 'Director Moerland'	Crab Apple 'Director Moerland'	18-20	450-500	RB	3x; EHS; clear stem min. 200cm	5
M 'P'	Malus 'Profusion'	Crab Apple 'Profusion'	16-18	400-450	RB	3x; EHS; clear stem min. 200cm	3
P ni	Pinus nigra	Austrian Pine		500-600	RB	6x; leader with laterals; feathered to base	3
P sy	Pinus sylvestris	Scots Pine		500-600	RB	6x; leader with laterals; feathered to base	10
P av	Prunus avium	Wild Cherry	18-20	450-500	100-200L	EHS; clear stem min. 200cm	5
P c 'Ch'	Pyrus calleryana 'Chanticleer'	Flowering Pear 'Chanticleer'	30-35	550-600	RB	3x; Semi-mature; clear stem min. 200cm	5
Q p	Quercus palustris	Pin Oak	25-30	550-600	250-350L	Semi-mature; clear stem min. 200cm	5
Q r	Quercus robur	Common Oak	25-30	550-600	RB	4x; Semi-mature; clear stem min. 200cm	5
S ari	Sorbus aria	Whitebeam	18-20	450-500	RB	3x; EHS; clear stem min. 200cm	5
S ari 'M'	Sorbus aria 'Majestica'	Whitebeam 'Majestica'	18-20	450-500	100-200L	EHS; clear stem min. 200cm	10
S auc	Sorbus aucuparia	Rowan	25-30	450-500	100-200L	EHS; clear stem min. 200cm	5

Individual Tree Planting to Habitat Areas

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	% mix
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I a	Ilex aquifolium	Common Holly	8-10	200-250	RB	Standard	20
Q rob	Quercus robur	Common Oak	10-12	300-350	RB	Standard	25
T co	Tilia cordata	Small-leaved Lime	12-14	350-425	RB	Heavy Standard	25

Car Park Tree Planting

Abbrev.	Botanical Name	Common Name	Girth/ Dia. cm	Height cm	Root Zone	Specification	Fully Grown Height	Fully Grown Spread	% mix
A la	Amelanchier laevis	Allegheny Serviceberry		250-300	B	2x; Feathered; 7 brks	6-8m	6-8m	20
C lae 'P S'	Crataegus laevigata 'Paul's Scarlet'	Midland Hawthorn 'Paul's Scarlet'	18-20	450-500	RB	3x; EHS; clear stem min. 200cm	6-8m	6m	20
M 'R'	Malus 'Rudolph'	Crab Apple 'Rudolph'	16-18	400-450	80-100L	EHS; clear stem min. 200cm	5-6m	4-5m	10
P 'Am'	Prunus 'Amanogawa'	Lombardy Cherry	18-20	400-450	RB	3x; EHS; clear stem min. 200cm	8m	3m	20
P 'I G'	Prunus fruticosa 'Globosa'	Dwarf Globe Cherry	25-30	min 400	RB	4x; Semi-mature; clear stem 175-200cm	5m	3m	10
S 'K P'	Sorbus 'Kirsten Pink'	Rowan 'Kirsten Pink'	18-20	450-500	RB	3x; EHS; clear stem min. 200cm	6m	4m	20

KEY

GENERAL INFORMATION

PLANNING APP BOUNDARY
Wider Works by Others

SOFTWORKS

EXISTING TREE REMOVED /RETAINED
REFER TO TREE SURVEY/ ARB REPORT

AREA OF SPECIMIN TREE PLANTING
SEMI MATURE TREE PLANTING
REFER TO PLANTING SCHEDULE FOR SPECIES

AREA OF SMALL TREE PLANTING
TO CAR PARK- SMALL SPECIES SELECTED
REFER TO PLANTING SCHEDULE FOR SPECIES

AREA OF NATIVE 'HABITAT AREA' PLANTING
TO NORTH- YOUNGER TREES SPECIFIED
REFER TO PLANTING SCHEDULE FOR SPECIES

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
P01.3	02/03/22	Updated for planning			
P01.2	11/08/21	Updated for planning			
P01.1	21/07/21	Issued for planning			

Status	Issued for Planning	Suitability
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Contractor(s)

SEED Architects

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Location/ Level	No Specific Location
Type	Drawing
Sub Type	Plan
Role	Architect
Dicipline	Architecture
Volume/ System	No specific volume or system
Phasing	Proposed
Grip Stage	4

Project	Headbolt Lane Station
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Drawing Title	
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Planning Application Drawing
Softworks Tree Planting Strategy

Designed		Signed	Date
Drawn		Signed	Date
Checked		Signed	Date
Approved		Signed	Date
Scale(s)	1:800	ELR & Mileage	
Alternative Reference		Sheet	1 of 1
Drawing Number	170248-1584-ZZ-ZZZ-DRG-A-AR-013034	Revision	P01.3



KEY

GENERAL INFORMATION

PLANNING APP BOUNDARY

Wider Works by Others

WATERCOURSE

SOFTWORKS

EXISTING TREE REMOVED /RETAINED

REFER TO TREE SURVEY/ ARB REPORT

CLEAR-STEM SPECIMEN TREE PLANTING

TO STATION & CAR PARK

REFER TO PLANTING SCHEDULE

MULTI-STEM SPECIMEN TREE PLANTING

TO STATION & CAR PARK

REFER TO PLANTING SCHEDULE

NATIVE TREE PLANTING

TO HABITAT AREAS

REFER TO PLANTING SCHEDULE

ORNAMENTAL SHRUB & GRASSES

REFER TO PLANTING SCHEDULE

NATIVE HEDGE

REFER TO PLANTING SCHEDULE

CLIMBER PLANTING

REFER TO PLANTING SCHEDULE

RAIN GARDEN PLANTING

REFER TO PLANTING SCHEDULE

P01.3	02/03/22	Updated for planning			
P01.2	11/08/21	Updated for planning			
P01.1	21/07/21	Issued for planning			
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status Issued for Planning			Suitability		

NetworkRail

Contractor(s)

SEED Architects

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Location/ Level

No Specific Location

Type

Drawing

Sub Type

Plan

Role

Architect

Dicipline

Architecture

Volume/ System

No specific volume or system

Phasing

Proposed

Grip Stage

4

Project

Headbolt Lane Station

Drawing Title

Planning Application Drawing Softworks

Designed		Signed	Date
Drawn		Signed	Date
Checked		Signed	Date
Approved		Signed	Date
Scale(s)	1:800	ELR & Mileage	
Alternative Reference		Sheet	1 of 1
Drawing Number		Revision	
170248-1584-ZZ-ZZZ-DRG-A-AR-013033		P01.3	

Indicitave locations of trees removed, for further detail refer to Headbolt Lane Tree Survey Plan Figures 1.1 &2

Sheet Size A1 594 x 841