

NOTES:

- Layout is based upon os tile data provided by network rail (© crown copyright and database rights 2013 ordnance survey 0100040692.), aerial survey undertaken by Atkins in August 2009 and topographical survey undertaken by Atkins in May 2013. All dimensions to be checked and verified on site.
- Earthworks shown at a maximum 1 in 3 slope, however it is anticipated that adjacent land will be profiled to suit, not exceeding 1 in 3.
- Stock proof fence to be in accordance with Oxfordshire county council standard detail drawing hsd/300/040.
- Post and rail 4 fence to be in accordance with Oxfordshire county council standard detail drawing hsd/300/040. Excluding barbed wire and badger netting.
- Fences to be connected to existing fences, wall or other structures to provide a complete barrier to persons or animals as appropriate.
- Fences shall be accurately set out and erected to provide a smooth alignment in plan and elevation, following the contours of the ground as closely as practicable.
- The line of the fencing shall be cleared of all impending vegetation and trimmed to remove any irregularities to enable any required fence infill panels to be erected at the constant distance from the ground.
- For details of drainage design refer to drawing 5114534-atk-drg-hw-130501.
- For details of pavement design refer to drawing 5114534-atk-drg-hw-130701.
- For details of proposed signing refer to drawing 5114534-atk-drg-hw-131201.
- For details of geotechnical design refer to drawing 5114534-atk-drg-hw-130601.
- For connection of timber post to parapet refer to the manual of contract documents for highway works (mchw) volume 1 hcd drawing h36. note this detail is for a wingwall connection.
- No allowance within this design has been made for providing new field access locations.
- For details of proposed vehicle and bridgeway gates refer to drawing 5114534-atk-drg-hw-310120 prow standard details.
- Existing inspection chambers, status currently unknown. chambers to be relocated or protected, exact details to be confirmed.
- Horizontal alignment of bridgeway is sufficient to accommodate certain vehicle movements if required.
- Proposed network rail boundary fence not part of this package.

Specification Note:

Planting and seeding shall be undertaken in accordance with the Highways Agency Manual of Contract Documents for Highway Works Specification Series 3000 Landscape and Ecology.

The whole of the areas to be seeded or planted shall be cultivated to relieve compaction and produce a fine till.

Seeding shall be undertaken within the period March/April or September/October.

Note: All embankment areas are covered with rabbit netting. Allow for additional excavation to remove netting prior to tree planting.

Planting shall be undertaken within the period November to March inclusive.

Whips/transplants shall be notch planted.

Standard and all large trees shall be pit planted and staked (Pinus sylvestris to be double or triple staked as appropriate.)

Biomulch, 75mm depth to be added at a 1 metre diameter area surrounding all specimen trees, transplants and feathered trees.

Protection of tree and shrub material from grazing animals by the use of individual proprietary guards or fencing may be required, subject to an assessment of the risk of damage.

Specification and schedule of quantities. Network Rail Embankment Native species grassland seed mix 5356 sq m

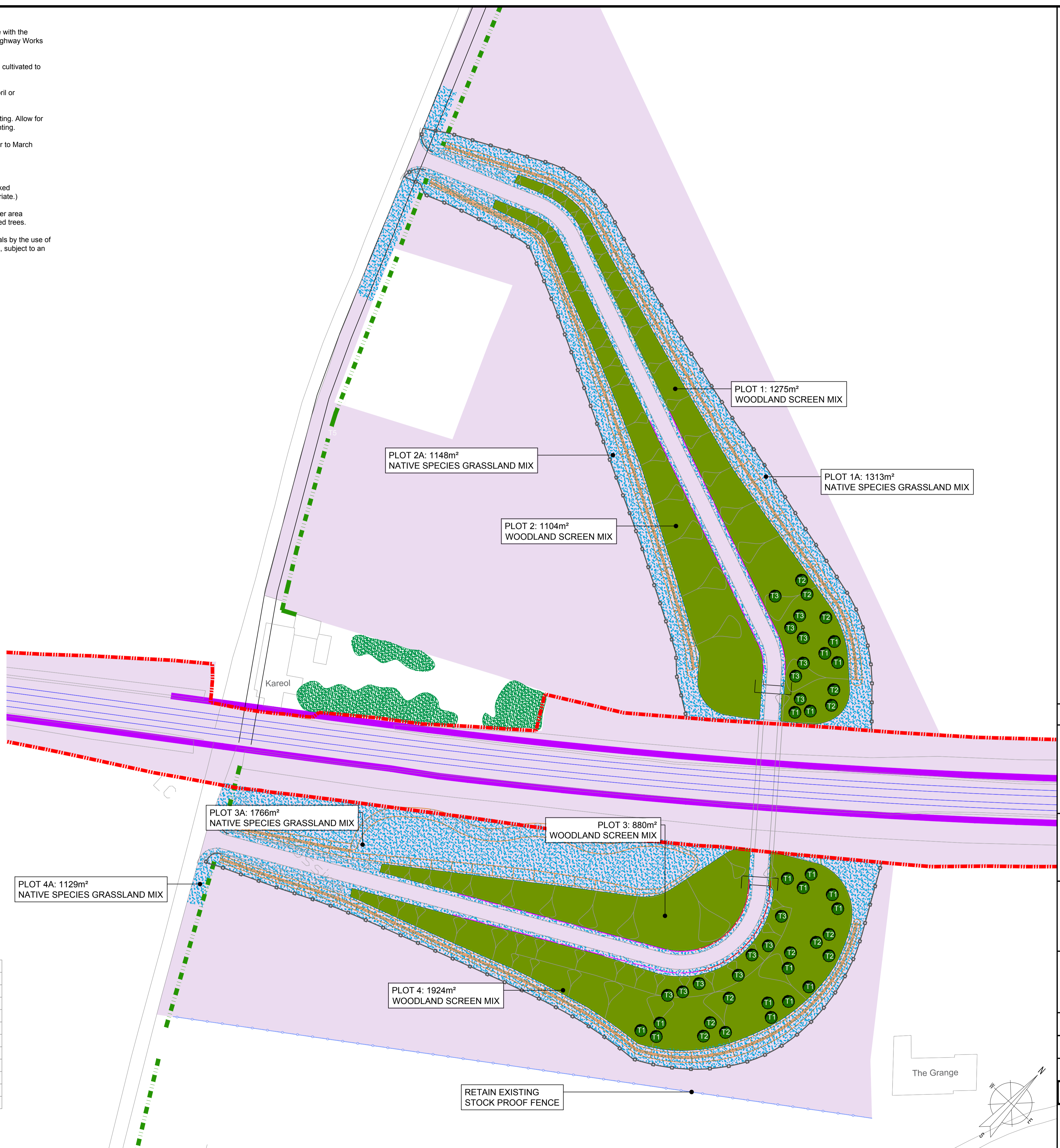
Botanical Name	Common Name	Percentage
Wild flowers		
<i>Achillea millefolium</i>	Yarrow	0.5
<i>Centaurea nigra</i>	Common Knapweed	0.5
<i>Daucus carota</i>	Wild Carrot	1
<i>Galium verum</i>	Lady's Bedstraw	2.5
<i>Knautia arvensis</i>	Field Scabious	1
<i>Leucanthemum vulgare</i>	Oxeye Daisy	2
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	0.2
<i>Plantago lanceolata</i>	Ribwort Plantain	1
<i>Primula veris</i>	Cowslip	1.5
<i>Prunella vulgaris</i>	Selfheal	2.5
<i>Ranunculus acris</i>	Meadow Buttercup	3
<i>Ranunculus bulbosus</i>	Bulbous Buttercup	2
<i>Rhinanthus minor</i>	Yellow Rattle	1.5
<i>Rumex acetosa</i>	Common sorrel	0.8
Grasses		
<i>Agrostis capillaris</i>	Common Bent	8
<i>Cynosurus cristatus</i>	Crested Dogstail	40
<i>Festuca rubra</i>	Slender-creeping Red-fescue	28
<i>Phleum bertolonii</i>	Smaller Cat's-tail	4

Specification and schedule of quantities. Specimen Trees

Notes	Species	Common Name	Height	Girth	Specification	Number
T3	<i>Pinus sylvestris</i>	Scots Pine	150-175cm	6-8cm	RB	14 No.
T2	<i>Malus sylvestris</i>	Common Crab Apple	250-300cm	6-8cm	RB	13 No.
T1	<i>Quercus robur</i>	Common Oak	250-300cm	6-8cm	RB	18 No.

Specification and schedule of quantities. Woodland Screen Mix. 5183sq m. Quantities take into account 1:3 Slopes

Species	Common Name	Height	Density	Specification	Mix Species Contribution	Number
<i>Acer campestre</i>	Common Maple	125-150cm	2Ctr	3 brks :2x :B	10%	131 No.
<i>Aesculus hippocastanum</i>	Common Horse Chestnut	125-150cm	2Ctr	1 brks :2x :B	10%	131 No.
<i>Crataegus monogyna</i>	Common Hawthorn	60-80cm	2Ctr	1+1 :B	15%	196 No.
<i>Fagus sylvatica</i>	Common Beech	60-80cm	2Ctr	1+2 :B	10%	131 No.
<i>Ilex aquifolium</i>	Common Holly	60-80cm	2Ctr	C	10%	131 No.
<i>Malus sylvestris</i>	Common Crab Apple	60-80cm	2Ctr	1+1 :B	5%	66 No.
<i>Prunus avium</i>	Wild Cherry	60-80cm	2Ctr	1+1 :B	15%	196 No.
<i>Prunus spinosa</i>	Blackthorn	60-80cm	2Ctr	2 brks :1+1 :B	5%	66 No.
<i>Pyrus communis</i>	Common Pear	60-80cm	2Ctr	1+1 :B	5%	66 No.
<i>Quercus robur</i>	Common Oak	60-80cm	2Ctr	1+2 :B	15%	196 No.
Total :100%						Total :1310 No.



Legend

- PERMANENT LAND EASEMENT
- NETWORK RAIL BOUNDARY (INDICATIVE)
- EXISTING RETAINED VEGETATION
- EXISTING STOCKPROOF FENCE
- EXISTING RETAINED HEDGEROW
- PROPOSED WOODLAND SCREEN PLANTING
- NATIVE SPECIES GRASSLAND SEED
- PROPOSED SPECIMEN TREE
- PROPOSED NOISE BARRIERS
- PROPOSED POST AND 4 RAIL FENCE TO BE DONE BY OTHERS
- STOCKPROOF FENCE TO BE DONE BY OTHERS
- PROPOSED CLOSEBOARD FENCE TO BE DONE BY OTHERS
- PROPOSED POST AND 4 RAIL FENCE TO BE DONE BY OTHERS
- PROPOSED SURFACE WATER DITCH DONE BY OTHERS

NOTES

All trees to be planted Double Staked. Refer to construction details within Specification for Soft Landscape Works.

The Contractor is to familiarise themselves with the locations of any services prior to commencement of work on site.

The setting out and extent of planting is to be confirmed on site prior to implementation of the works.

Drawing produced on the Snakegrid coordinate system

This drawing is based on:

- ENVIRONMENTAL DESIGN (5114534-ATK-DRG-AR-907351)
- EVR P1 CO-ORDINATION DRAWING SHEET 15 OF 38 (5114534-ATK-DRG-MD-700215)
- PROPOSED BOUNDARY FENCING AND ACCESS STRATEGY SHEET 15 OF 38 (5114534-ATK-DRG-MD-705215)

All works have been designed in accordance with network rail recommended planting species matrix V2.1. All planting is located in XS of 5m distance from running rails.

Access for maintenance via Islip Former Level Crossing. Pedestrian access approximately 1212m. OS grid reference 452101, 213905. No parking.

Rev.	Date	Amendment	Drawn	Chkd.	Appd.
C03	19/08/15	Omitted community planting. Updated schedules and revised spec and notes. Updated Key.			
C02	27/07/15	Revised planting schedules. Added hedgerows, specimen trees and woodland screen mix plots 4 and 5.			
C01	27/07/15	Revised planting schedules. Plant spacing revised. Trees, grassland and specifications amended.			

RSK

18 Frogmore Road, Herts, HP3 9RT. Tel: +44 (0) 1442 437500. Fax: +44 (0) 1442 437550. Email: info@rsk.co.uk. Web: www.rsk.co.uk

Client
CARILLION BUCKINGHAM JOINT VENTURE

Project Title
EAST WEST RAIL PHASE 1

Drawing Title
ISLIP BRIDLEWAY OVERBRIDGE ENVIRONMENTAL DESIGN

Drawn	Date	Checked	Date	Approved	Date
CN	27/07/15	SF	27/07/15	SF	27/07/15
Scale	1:500	Orig Size	A1	Dimensions	METRES
Project No.	121097	Drawing File	RSKM/121097/04/02/06/C03		
Drawing No.	RSK-DRG-ISS-P009				Rev.
					C03