



**Legend**

	PERMANENT LAND EASEMENT BOUNDARY
	NETWORK RAIL BOUNDARY (INDICATIVE)
	PROPOSED GRASS SEEDING (NATIVE SPECIES GRASSLAND MIX)
	PROPOSED WET WOODLAND PLANTING
	PROPOSED HEDGE PLANTING
	EXISTING HEDGEROW TO BE RETAINED
	PROPOSED SPECIMEN TREES
	PROPOSED POST AND 4 RAIL DONE BY OTHERS
	PROPOSED SURFACE WATER DITCH DONE BY OTHERS
	PROPOSED PALISADE FENCING DONE BY OTHERS
	POST AND WIRE STOCKPROOF FENCING TO BE CONFIRMED BY CBJV

**NOTES**

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

Field gate location is indicative only.

Electric fence is connected to mains and runs indicatively along the route of the Network Rail Boundary.

All gates are to be removed by third parties. Planting may occur before the removal of gates and any damage to the planting caused by the third party is to be rectified by that third party.

**NOTES**

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:

- LANDSCAPE GENERAL ARRANGEMENT PLAN (5114534-ATK-DRG-AR-907353)
- EWR P1 CO-ORDINATION DRAWING SHEET 27 OF 38 (5114534-ATK-DRG-MD-700227)
- PROPOSED BOUNDARY FENCING AND ACCESS STRATEGY SHEET 27 OF 38 (5114534-ATK-MOD-MD-705227)
- FENCING PROVIDED AND OVERLAID BY CBJV ON THE 08/02/2017

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 OS Grid Reference 457553, 220324. Road Rail Access.

Hedge and Tree alignment is indicative and for illustrative purposes and will follow Limit of Deviation that will be confirmed on site.

Refer to Sheet 3

Refer to Sheet 2

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

2703m<sup>2</sup>

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. Hedging (Planted in double staggered row @ 6 per linear metre) Where hedge meets a gate entry plant no closer than 600mm from gate post. Ditches shall not be planted.

1238 m

Botanical Name	Common Name	Height (cm)	Age	Root	Percentage	Quantity
<i>Crataegus monogyna</i>	Common Hawthorn	60-80	1+1	BR	75	5565
<i>Prunus spinosa</i>	Blackthorn	60-80	1+1	BR	25	1857

Specification and schedule of quantities. Specimen trees to be planted as a random mix of species.

Total: 60

Botanical Name	Common Name	Height (cm)	Girth (cm)	Root	Quantity
<i>Quercus robur</i>	Pedunculate Oak	250-300	6-8	RB	26
<i>Malus sylvestris</i>	Crab Apple	250-300	6-8	RB	34

Specification and schedule of quantities. Wet Woodland Tree and Shrub Planting (Planted @ 2m Spacings)

3384 m<sup>2</sup>

Botanical Name	Common Name	Height (cm)	Ctrn (L)	Age	Root	Breaks	Percentage	Quantity
<i>Populus tremula</i>	Aspen	60-80	-	1+1	BR	n/a	20	170
<i>Alnus glutinosa</i>	Common Alder	60-80	-	1+1	BR	n/a	20	170
<i>Salix alba</i>	White Willow	60-80	-	0/1	BR	n/a	20	170
<i>Viburnum opulus</i>	Guelder Rose	60-80	-	1+1	BR	n/a	20	170
<i>Salix viminalis</i>	Common Osier	60-80	-	0/1	BR	n/a	20	170

**Specification Note:**

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

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

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

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.

All tree and shrub material (including hedging) shall be fitted with biodegradable sheet mulch mats. Mulch mats shall be either square or round with a diameter of 800-1000mm with mulch mat rolls used for hedgerow planting.

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

Rev.	Date	Amendment	Drawn	Chkd.	Appd.
B02	10/02/16	FOR APPROVAL stockproof fencing/gates added and proposed planting amended	CN	GL	JE
B01	04/01/16	FOR APPROVAL stockproof fencing/gates added	PHM	SF	CF
O2	16/10/15	Revised plant numbers	RP	SF	SF
O1	28/09/15	Updated road layout and revised planting plan	RP	SF	SF

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Client  
**CARILLION BUCKINGHAM JOINT VENTURE**

Project Title  
**EAST WEST RAIL PHASE 1**

Drawing Title  
**LANGFORD LANE OVERBRIDGE LANDSCAPE GENERAL ARRANGEMENT PLAN SHEET 1/4**

Drawn	Date	Checked	Date	Approved	Date
CN	27/07/15	SF	27/07/15	SF	27/07/15

Scale	Orig Size	Dimensions
1:500	A1	METRES

Project No. 121097  
Drawing File RSK/M/121097/04/02/06

Drawing No. RSK-DRG-BTS-P009  
Rev. B02

