



Opportunities for Enhancing Biodiversity along the Cambridgeshire Guided Busway

Surveys & Assessments

- To determine current status, distribution and the effects of the development on...



- Badgers
- Bats
- Reptiles
- Water Voles and Otters
- Great Crested Newts
- Locally scarce fauna and flora



Mitigation

- Compensation for loss of habitats.
- Mitigation for habitat severance.
- Protection for threatened species & habitats during construction works.
- Enhancement of existing habitats.
- 10 year management strategies.



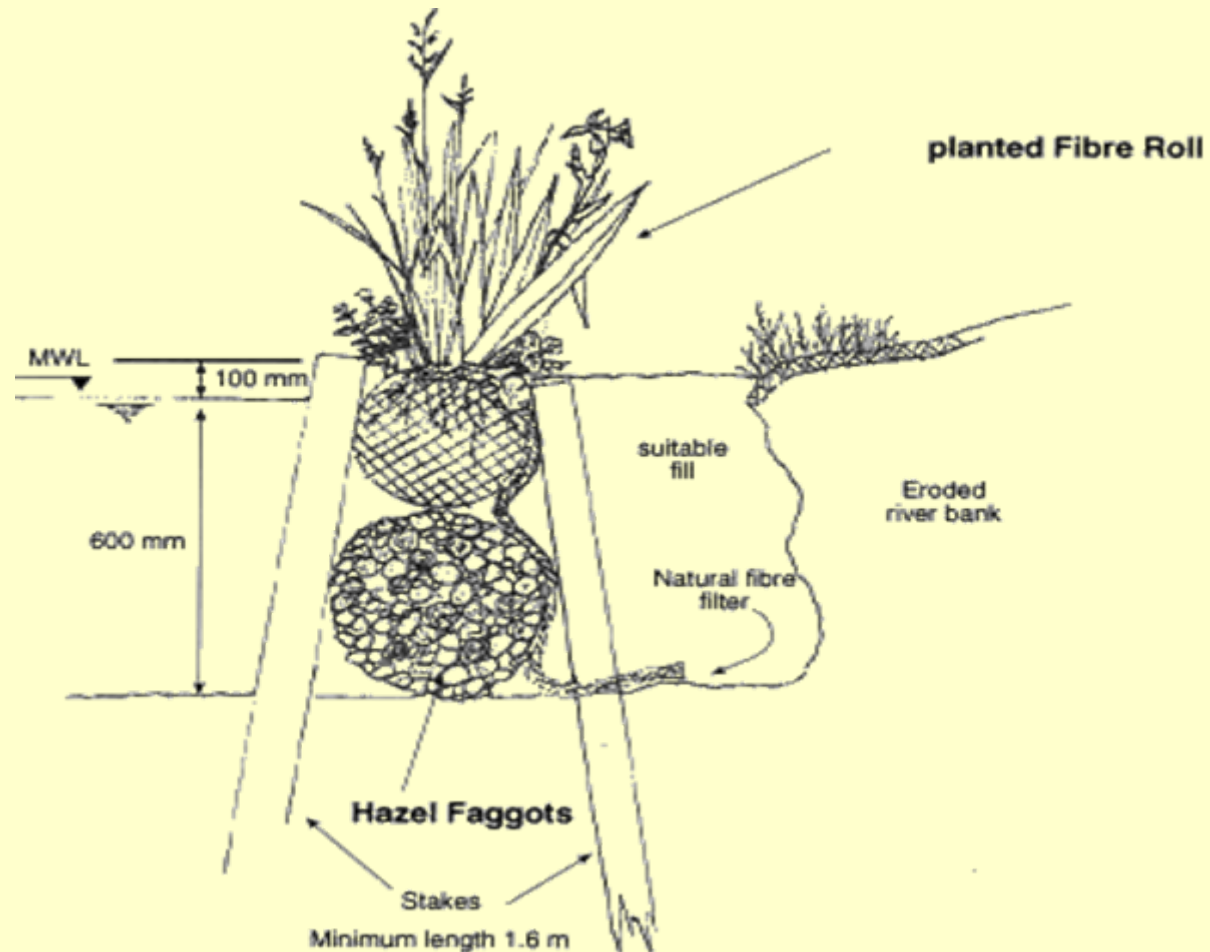


Translocation of wild liquorice to Cambridge Botanical Gardens

Beck brook enhancement works



Enhancing watercourses to benefit wildlife; coir rolls...



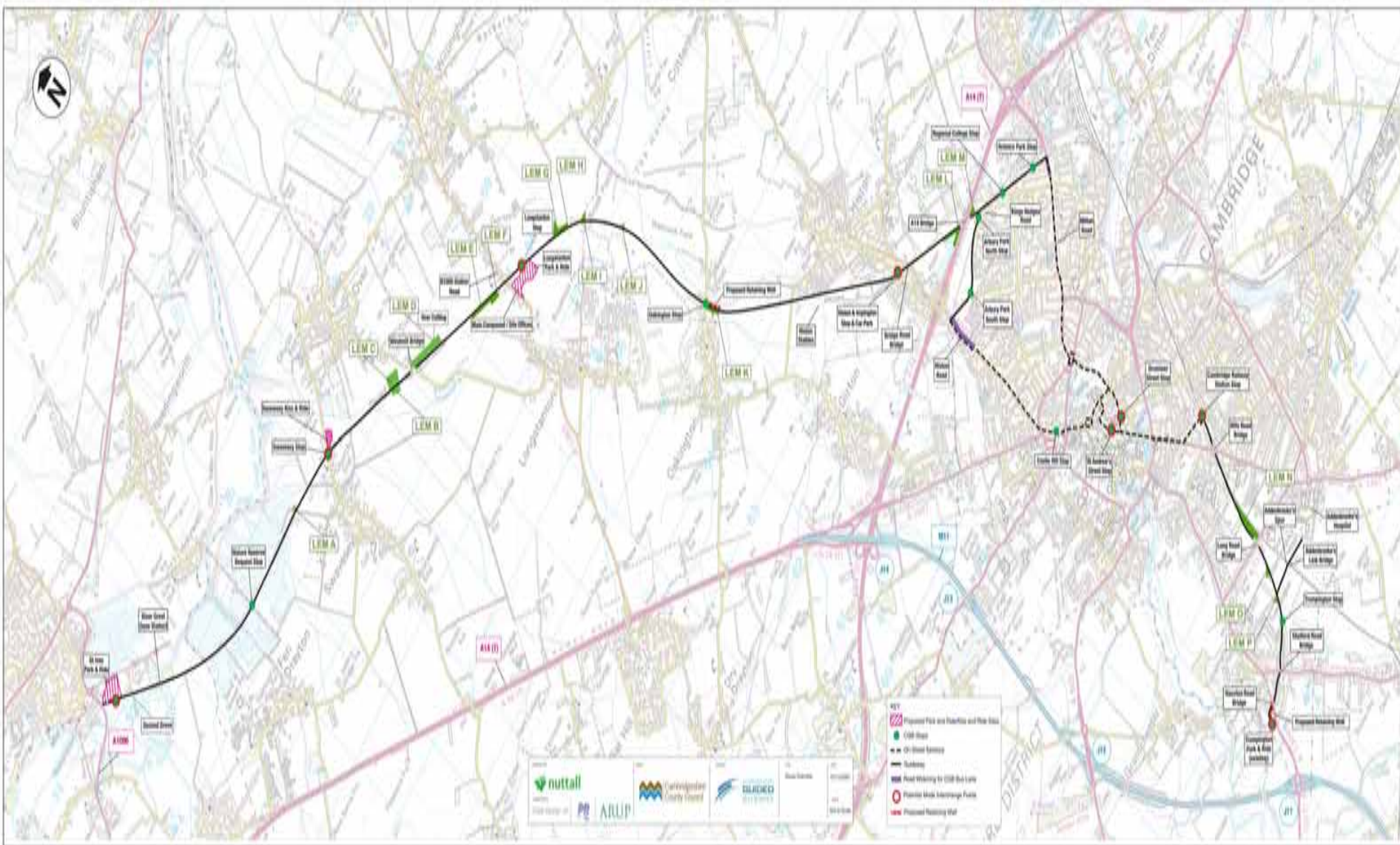
Anthills in Over Cutting County Wildlife Site



Translocating anthills!



Landscape Ecological Mitigation areas (LEMAs) along the route of the guideway.



Over Cutting County Wildlife Site and LEM D



Over Cutting – after habitat management



The grizzled skipper, *Pyrgus malvae*



Flora & Fauna of Over Cutting



Detailed design proposal

NATIVE SCRUB PLANTING SCHEDULE

Area	No.	Planting Density or Spacing	Botanical Name	Common Name	Habit	No. of times transplanted	Overall or Min. Height (cm)	Root Condition (Bare root)	Min. no. of breaks / branches	Percentage Mix %
905 m2										
			Shrub Species							
	15	1500mm spacings	<i>Corylus avellana</i>	Hazel	Branched	1+1	60-80	B	3	5
	210		<i>Crataegus monogyna</i>	Hawthorn	Bushy	1+1	60-80	B	4	70
	15		<i>Prunus spinosa</i>	Blackthorn	Branched	1+1	40-60	B	2	5
	15		<i>Rosa arvensis</i>	Field Rose	Branched	1+1	50-60	B	2	5
	30		<i>Rosa canina</i>	Dog Rose	Branched	1+1	60-80	B	3	10
	15		<i>Viburnum opulus</i>	Gelder Rose	Branched	1+1	60-80	B	3	5
			Feathered Trees							
	10	3000mm spacings	<i>Acer campestre</i>	Field Maple	Feathered	2x	175-200	B	5	10
	90		<i>Crataegus monogyna</i>	Hawthorn	Feathered	2x	175-200	B	5	90

All trees to be UK provenance and comply with National Plant Specification published by the Horticultural Trades Association

NATIVE HEDGE PLANTING SCHEDULE

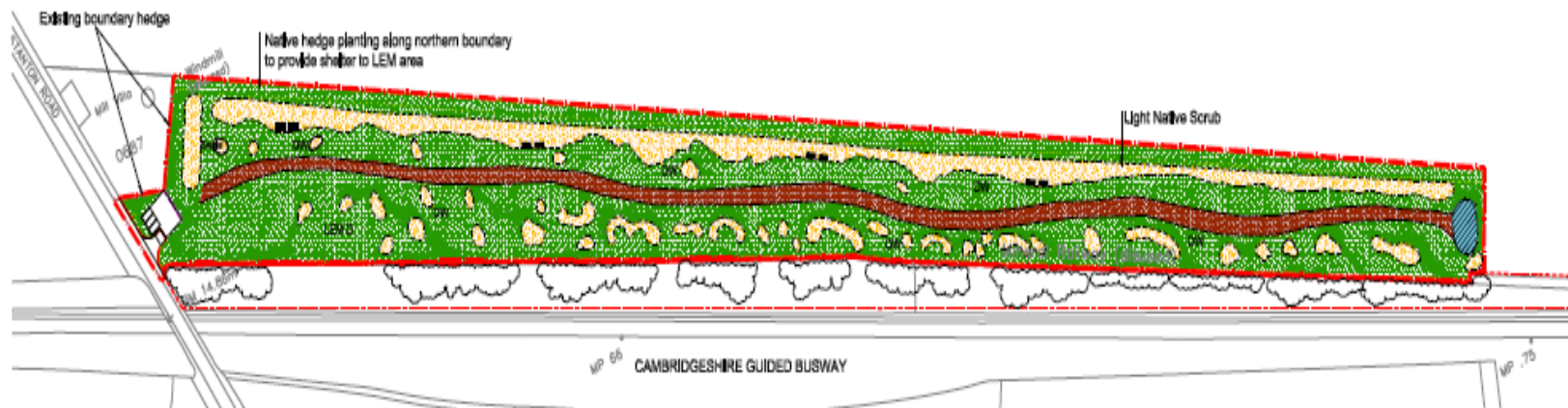
Area	No.	Planting Density or Spacing	Botanical Name	Common Name	Habit	No. of times transplanted	Overall or Min. Height (cm)	Root Condition (Bare root)	Min. no. of breaks / branches	Percentage Mix %
615 Lin. M										
			Hedge							
	80	2 rows spaced 1100	<i>Corylus avellana</i>	Hazel	Branched	1+1	60-80	B	3	5
	1105		<i>Crataegus monogyna</i>	Hawthorn	Bushy	1+1	60-80	B	4	70
	80	400mm apart with plant spacings 750mm	<i>Prunus spinosa</i>	Blackthorn	Branched	1+1	40-60	B	2	5
	80		<i>Rosa arvensis</i>	Field Rose	Branched	1+1	50-60	B	2	5
	160		<i>Rosa canina</i>	Dog Rose	Branched	1+1	60-80	B	3	10
	80		<i>Viburnum opulus</i>	Gelder Rose	Branched	1+1	60-80	B	3	5
			Feathered Trees							
	5	1 row of 10m spacings	<i>Acer campestre</i>	Field Maple	Feathered	2x	175-200	B	5	10
	55		<i>Crataegus monogyna</i>	Hawthorn	Feathered	2x	175-200	B	5	90

All trees to be UK provenance and comply with National Plant Specification published by the Horticultural Trades Association

Legend:

- Protection of existing planting
- Existing Vegetation
- Irregular grass mounds approx. 1-2m high & small tunnel
- LEM area boundary & stock proof fence
- Native scrub planting
- Proposed Natural Rehabilitation Areas, Treed transmitters
- Stone Gable Walls
- Native Hedge Planting
- Dead Wood Piles & rubble. Homeowner for amphibians
- Proposed Ditch
- Proposed grassland
- Pond creation

NOTE: Location of grass mounds is approximate. Final planting areas shall be agreed on site with the Ecological Clerk of Works at the time of planting



Landscaping











2 weeks after hydroseeding...



6 weeks after hydroseeding...



Ballast translocation...



Scrub planting...

