



Notes

- Retention of existing trees and hedgerows in accordance with the requirements of BS 5837:2021 Trees in relation to design demolition and construction and the Arboricultural Impact Assessment (AIA) Report (B2327FEF-JAC-00-RP-ENV-0006) for the scheme. Tree losses have been minimised throughout the design process.
- Archaeological watching brief to topsoil strip. Archaeological earthwork survey to Historic England Level 1. Photographic survey to Historic England Standards. Archaeological investigation to be undertaken to evaluate assets 14, 41, 42, 43, 44, 47, 48, 49, 50, 51 to develop a targeted mitigation strategy during detailed design. Asset 52 to be carefully removed during construction, securely stored off site, and replaced as close as possible to its original location as directed by the project Archaeologist, refer to chapter 7 of the ES and drawing B2327FEF-JAC-EHR-00-DR-ENV-002.
- Stripping, handling and management of soils to be in accordance with the Construction Code of Practice for the sustainable use of soils on construction sites and Soil/Material Management Plan.
- All drainage elements to be naturalistic and sensitively designed, with planting used to integrate the drainage into the local landscape setting.
- Earthworks around attenuation ponds to vary in gradient to maintain landscape fit where practicable. Earthworks profiles to be no steeper than 1:2. Mounds around attenuation ponds to have varied slope profiles no steeper than 1:3. The top and toe of all earthworks shall be rounded to ensure integration with the existing landscape.
- The alignment of mitigation fencing, and the location of drop kerbs and offset gulleys for common toads is to be refined at detailed design. The location of bird boxes, bat boxes, hedgehog houses and wildlife hibernacula is indicative and is to be determined on site by an Ecologist.
- All disturbed ground including temporary construction areas are to be reinstated as existing following completion. Existing vegetation in temporary construction areas is to be retained where feasible. Grass areas to be seeded with a selection of mixes according to their location and purpose as detailed in the key of these plans.
- Planting mixes are indicative, exact species to be agreed at detailed design depending on soil conditions. New tree and shrub planting to be laid out in a random arrangement to blur the extent of earthworks to create a more naturalistic appearance. Depth of topsoil in planting areas to be a minimum of 300mm up to a maximum of 450mm. Proposed trees to be staked. Tree planting not to be planted within 2m of the top and bottom of newly created embankments.
- In accordance with the Design Manual for Roads and Bridges (DMRB), LD117 Landscape Design, tree planting is to be set a minimum of 7.0m back from the carriageway; shrub planting is to be set back a minimum of 4.5m from the carriageway, unless otherwise agreed by the Overseeing Organisation.

Indicative Planting Mixes

Exact species to be confirmed at detailed design

Native individual trees

Planted mostly at 3m+ height to guide flight of bats and owls away from moving vehicles.

- Alnus glutinosa*
- Betula pendula*
- Malus sylvestris*
- Prunus avium*
- Quercus robur*
- Sorbus aucuparia*
- Ulmus glabra*

Native tree and shrubs

Planted at 1.5m centres, 2.5-3.5m feathers and 0.6-0.8m transplants

- Betula pendula*
- Prunus avium*
- Sorbus aucuparia*
- Quercus robur*
- Crataegus monogyna*
- Corylus avellana*
- Viburnum opulus*

Native hedgerow

Planted as a double staggered row 500mm apart, 0.6-0.8m transplants

- Prunus avium*
- Quercus robur*
- Ulmus glabra*
- Corylus avellana*
- Crataegus monogyna*
- Ilex aquifolium*
- Rosa canina*
- Viburnum opulus*

Native Scrub

Planted at 2.0m centres, 0.6-0.8m transplants

- Corylus avellana*
- Crataegus monogyna*
- Prunus spinosa*
- Sambucus nigra*
- Rosa canina*
- Lonicera periclymenum*

Native Bulbs

Planted at 1.0m centres, 0.6-0.8m transplants

- Narcissus pseudonarcissus*
- Galanthus nivalis*

Ornamental Trees

Planted at 1.0m centres, 0.6-0.8m transplants

- Acer campestre 'Streetwise'*
- Carpinus betulus 'Fastigiata'*
- Corylus columnaria*

Grasses and ornamental planting to be confirmed at detailed design.

Key

	Existing vegetation (trees and shrubs subject to topographical survey)		Public Right of Way (PROW)
	Root protection area		Indicative location of proposed residential development at Lea Road
	Site boundary		Indicative location of pedestrian access from proposed residential development at Lea Road
Proposed			
	Tree and vegetation removal		Proposed PROW FP44 (diverted)
	Hedge removal		Existing section of PROW FP44 stopped up
	LE1.2 Grassland with bulbs		Secondary Means of Escape
	LE1.3a Native 'amenity' grassland		Grasscrete access track (LE1.3b)
	LE1.3b Coarse wildflower grassland		E3.2.1 Bat 'hop over' tree
	LE1.3c Species rich grassland (nutrient rich soil)		E3.2.2 Bat 'hop over' shrubs
	LE2.4 Native trees and shrubs		E3.2.3 Natural habitat regeneration
	LE2.6a Native shrubs		E3.2.4 Hedgehog house (2no.)
	LE2.8 Scrub		E3.2.5 Hibernacula (for reptiles and amphibians)
	LE3.2 Ornamental shrubs		E3.2.6 Wildlife enhancement area
	LE3.3 Groundcover and perennials		E3.2.7 Bat box (12no.)
	LE4.3 Native hedgerow		E3.2.8 Bird box (6no.)
	LE5.1a Native individual tree		LE7.0 Close boarded timber fence (2m high)
	LE5.1b Ornamental tree		LE8 Land to be reinstated and returned to agriculture
LE6.4 Marsh and wet grassland areas to be confirmed at detailed design.			

P04	25.05.23	Planning comments. Individual native trees added to native hedgerow & native shrub mix along northern site boundary	AR	AM	AM	PH
P03	05.08.22	Final issue	AR	DB	DB	PH
P02	06.07.22	Final draft	AR	DB	DB	PH
P01	11.10.21	Draft for consultation	AR	DB	DB	PH
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	App'd

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Project

Cottam Parkway Railway Station

Drawing Title

Environmental Masterplan
Sheet 2 of 2

Drawing Status

FINAL

Scale @ A1 1:1000 DO NOT SCALE

Jacobs No. B2327FEF

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Drawing No.

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