

LEGEND

Existing Landscape Element

- Woodland
- Scrub
- Scattered Trees
- Hedges
- Open Grassland
- Watercourses and Waterbodies
- Ornamental Planting

Environmental Objectives

- EO-1 - Landscape Integration**
Integration of the highway with the surrounding landscape character.
- EO-2 - Visual Screening**
Mitigation against adverse visual impacts.
- EO-3 - Visual Amenity**
Maintain interest, variety and an acceptable visual appearance for both road users and adjacent public viewers.
- EO-4 - Auditory Amenity**
Reduce the adverse noise impact of highway traffic or construction on adjacent properties or publicly accessible areas.
- EO-5 - Nature Conservation and Ecology**
Protect, manage and enhance the nature conservation value of the highway, including adjacent habitats and protected species.
- EO-6 - Enhancing the Built Environment**
Enhancing the landscape and built elements of the highway to reflect the townscape or community through which the highway passes.

Environmental Elements - Landscape

- EE-L1.5 - Open Grassland
- EE-L2.2 - Individual Trees
- EE-L2.3 - Linear Belts of Trees and Shrubs
- EE-L2.5 - Scrub
- EE-L2.6 - Shrubs
- EE-L2.7 - Shrubs with Intermittent trees
- EE-L2.9 - Woodland
- EE-L2.10 - Woodland Edge
- EE-L6.3 - Strengthened Earthworks

Environmental Barriers

- Existing Environmental Barrier to be retained/replaced
 - EE.N1.3 - Existing Environmental Barrier to be increased in height
 - EE.N1.3 - New Environmental Barrier
 - Environmental Barrier Reference
 - Barrier Information
 - Barrier Reference
 - Barrier Type
 - Barrier Height
- Where a barrier is on a structure i.e. an overbridge, it will be 2.0m in height
- Nature and Conservation Works**
- EE-NC4.2 - Otter proof fencing

Structures

- Proposed Gantry
 - Existing Gantry Retained
 - Existing Gantry Removed
 - Gantry Reference
 - ERA Reference
- Information**
- Location Reference
 - Environmental Objective
 - Environmental Element
 - Order limits

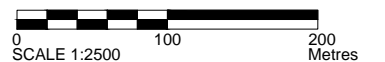
Planning Features

- Listed Building and ES Gazeteeer reference (see Cultural Heritage App 7.1)
- Scheduled Monument (SM)
- Conservation Area
- Registered Park and Garden (RPG)
- Area of Outstanding Natural Beauty (AONB)
- Site of Special Scientific Interest (SSSI)
- Special Protection Area and Ramsar (SPA)
- Local Nature Reserve (LNR)
- Site of Local Importance
- Site of Borough Importance
- Site of Metropolitan Importance
- Biological Notification Site
- Existing Public Right of Way (PRoW)

NOTES

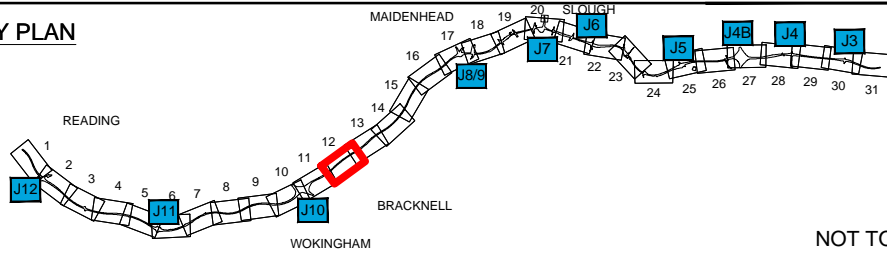
- Landscape mitigation proposals are based on the preliminary design drawings in the Engineering Design Report and are located on land in permanent Highways England ownership. Landscape mitigation proposals are indicative and will be subject to finalisation in line with the design development of road alignment, earthworks, highways, structures and clearance requirements.
- All existing vegetation identified within the Order limits shall be retained where reasonably practicable. Prior to any vegetation clearance all areas of existing vegetation are to be assessed by a qualified Landscape Architect and ecologist. Further landscape and/or ecological measures may apply.
- The vegetation clearance for the layout of gantry bays (including gantry, cabinets and associated equipment) has been based on a typical length of 60m up to the Order limits, dependent on the existing landscape elements and objectives, to allow sufficient working area.
- The layout of ERAs and associated vegetation clearance has been based on a typical length of 160m up to the Order limits, dependent on the existing landscape elements and objectives, to allow sufficient working area.
- The locations of nature conservation fencing are indicative. The precise alignment of fencing is to be finalised on site.
- Although the extents of the environmental barriers are fixed laterally, the location within the verge is subject to finalisation, in line with the design development of road alignment, earthworks, highways and structures.
- Areas of existing woodland and scattered trees are indicative and show the extent of tree canopies.
- The landscape mitigation proposals do not include mitigation surrounding proposed communications or drainage interventions. Areas affected by the construction and installation of these interventions are to be made good with Environmental Element EE-L1.5 Open Grassland.
- Refer to Vegetation Clearance drawings 514451-MUH-ML-ZZ-DR-SC-301224 to 514451-MUH-ML-ZZ-DR-SC-301255 for indicative details of temporary and permanent vegetation clearance.
- Refer to ES Volume 3, Appendix 8.4 - Schedule of Existing Vegetation to be Retained for information on existing vegetation to be retained within the Order limits.
- Type of environmental barriers include reflective acoustic barriers and absorptive acoustic barriers as noted in the barrier information at the specific locations.

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Rev #	Revision Date	Revision Details	Drawn	Check	Review	App'd
9F	05.02.2016	Issued for HE review	BP	RK	DH	DH
8F	02.02.2016	Issued for review	JN	RK	DH	DH
7F	20.03.2015	Submitted with DCO application.	TR	TR	BC	BC
6F	20.03.2015	Submitted with DCO application.	GW	GW	BC	EH
5F	05.03.2015	Updated in line with Alliance and HA comments.	JM	GW	BC	EH
4D	30.01.2015	Issued for HA review.	GW	GW	BC	EH
3D	30.01.2015	Issued for HA review.	GW	GW	BC	EH
2D	14.01.2015	Issued for review	JM	GW	BC	EH
1D	14.11.2014	Env. elements areas amended and badger fencing added	CCx	BC	EH	EH
0D	14.11.2014	DRAFT	CCx	BC	EH	EH

KEY PLAN



Highways England
The Cube
199 Whitside Street
Birmingham
B1 1RN

Alliance Document Reference
514451-MUH-ML-ZZ-DR-EM-300746

Rev 9F
Scale at A1
1:2500

Job Title
**M4 JUNCTIONS 3 TO 12
SMART MOTORWAY**

Drawing Title
**ENVIRONMENTAL
MASTERPLAN
SHEET 12 OF 31
THE STRAIGHT MILE**

Drawing Number
514451-MUH-ML-ZZ-DR-EM-300746

NOT TO SCALE