

**National Asset Delivery
Technical Surveys and Testing**

**Works Information for
570124 M4 Coate Water CCTV Survey
(& Associated Vegetation Clearance)**

CONTENTS AMENDMENT SHEET

Amend. No.	Revision No.	Amendments	Initials	Date
0	1	Original version issued with tender	ET	11/09/20

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LIST OF ANNEXES

Appendix 1 Supplementary Constraints

1 DESCRIPTION OF THE WORKS

1.1 Project objectives

- 1.1.1 The principle objective of this project is to undertake;
- 1.1.2 A full drainage survey of all drainage assets, conducted to CS 551 & CD 535 Drainage survey and asset data and risk management standards.
- 1.1.3 Vegetation / ditch clearance as per drawing 570124_HE_VES_M4MP126_DR_D_3000 01 Rev C1 and the M4 Coate EAF Screening Assessment REV 01.
- 1.1.4 The specification that applies to the *works* is included in Section 6

1.2 Scope of works

- 1.2.1 The *works* to be provided under this contract are:

To undertake a full drainage survey of all drainage assets, conducted to CS 551 & CD 535 Drainage survey and asset data and risk management standards. Coordinates 419190,180917 to 416380,181465.

To undertake vegetation / ditch clearance as per drawing 570124_HE_VES_M4MP126_DR_D_3000 01 Rev C1 and the M4 Coate EAF Screening Assessment REV 01. Coordinates 419190,180917 to 416380,181465.

Reference to be made to included M4 Pre-Survey notes. Vegetation clearance contractor to undertake clearance works prior to full drainage survey.

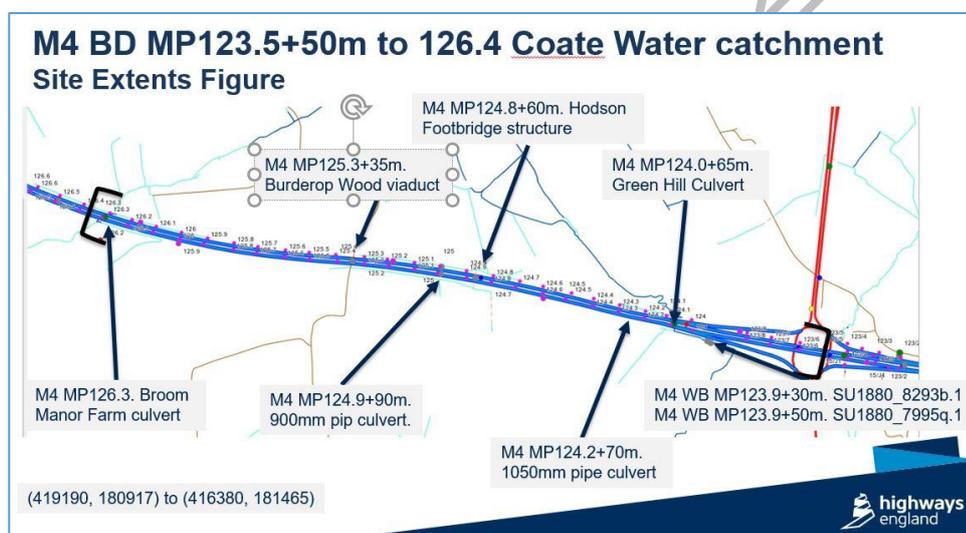


Fig 1.0 – Site Extents

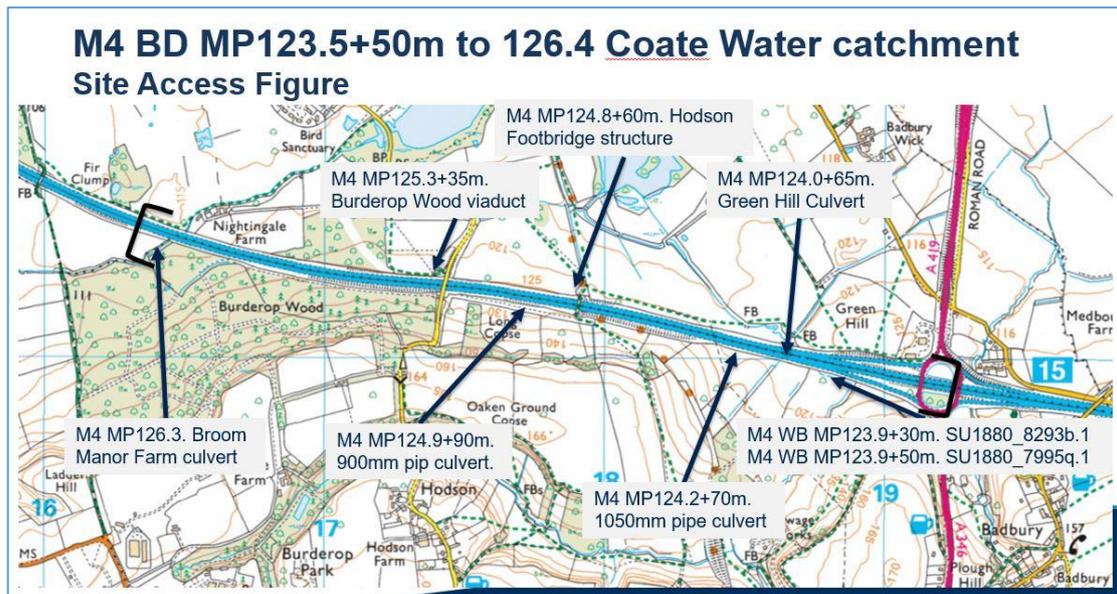


Fig 1.1 – Site Access

1.3 Deliverables

1.3.1 The *Contractor* is required to produce the following deliverables:

- (1) Full drainage survey of all drainage assets, within scheme extents, conducted to CS 551 & CD 535 Drainage survey and asset data and risk management standards.
- (2) Undertake vegetation / ditch clearance as per drawing 570124_HE_VES_M4MP126_DR_D_3000 01 Rev C1 and the M4 Coate EAF Screening Assessment REV 01..

2 EXISTING INFORMATION

2.1.1 Existing structures

Structure	Type	Location Ref	Str key	OSGR
Manor farm Culvert	Culvert	MP126.3	34280	416461,181438
Burderop Wood Viaduct	Bridge & Culvert	MP125.3+50m	1101	417425,181270
Hodson Footbridge	Bridge & Culvert	MP124.8+60m	1100	417920,303218
Green Hill Culvert	Small Span	MP123.9+65m	15130	418709,181020

Structure	Type	Location Ref	Str key	OSGR
	Structure			
Badbury Interchange West	Bridge & Large Culvert	MP126.6	1098	419139,180930
Badbury Interchange East	Bridge & Large Culvert	MP123.4+75m	1096	419260,180901

Drawing Number:	Title	Valid Until
TOPO1250_M4-040-07026	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-040-07027	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-040-07028	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-040-07029	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-040-07030	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-040-07031	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-040-07033	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-040-07035	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-041-03469	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-041-03471	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-041-03473	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-041-03477	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-041-03484	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-041-06725	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-041-06727	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-041-07032	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-041-07034	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-041-07036	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-041-07037	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-041-07039	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-041-07290	C2 STATS Service Locations	09/04/2020
TOPO1250_M4-041-25976	C2 STATS Service Locations	09/04/2020

- 2.1.2 The Drawings listed below apply to this contract. Refer to the site information for details of existing site conditions including ground conditions, limitation on access, position of existing structures etc.

Drawing Number	Title	Revision / Date
570124_HE_VES_M4MP126_DR_D_3000 01	Vegetation Clearance Requirements	C1

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3 CONSTRAINTS ON HOW THE CONTRACTOR PROVIDES THE WORKS

3.1 General

- 3.1.1 The *Contractor* Provides the Works in such manner as to minimise the risk of damage or disturbance to or destruction of third party property.
- 3.1.2 The *Contractor* complies with the constraints and meets with the requirements outlined in Appendix 1.
- 3.1.3 The *Contractor* submits information detailing how the *Contractor* will provide the Works to the *Employer* prior to the *works* commencing. This information will include any lifting plans, risk assessments, method statements, the *Contractor's* staff training information and any other relevant Health and Safety requirements.

3.2 Working hours & site specific constraints

- 3.2.1 The *Contractor's* working hours for site works shall be night-time working hours between 2000hrs & 0500hrs.
- 3.2.2 The road network throughout this stretch is of 3-lane motorway status and subject to the national speed limit of 70mph. Employer to provide suitable Traffic Management and road space booking.

3.3 Health, Safety and Environment & Risk Management

Health and Safety requirements

- 3.3.1 In Providing the Works the *Contractor* meets the requirements of Annex 2 of the supplementary constraints in relation to health and safety duties.
- 3.3.2 The *Contractor* shall comply with the requirements of Highways England's safety passport scheme and ensure that all of his employees, and any of his subcontractor's, are registered in accordance with the implementation of the scheme. Details on the scheme can be found here:
<http://www.highwayssafetyhub.com/safety-passport.html>
- 3.3.3 For details of the CDM duty holders, refer to the pre-construction information supplied as part of these TST documents.
- 3.3.4 Before commencing the construction phase of the *works*, the *Contractor* confirms to the *Employer* that adequate welfare facilities are in place. Where the facilities detailed in section 5 are not deemed adequate, the *Contractor* provides all necessary facilities to Provide the Works and to comply with the minimum requirements set out in HSE guidance document L153.

Environmental requirements

- 3.3.5 In Providing the Works the *Contractor* meets the requirements of Annex 2 of the supplementary constraints in relation to environmental duties.

Risk Management

- 3.3.6 The *Contractor* identifies, manages and mitigates risks in accordance with the principles of ISO31000.
- 3.3.7 The *Contractor* submits a risk register, which captures all risks associated with the delivery of the *works* including those identified by the *Employer*, with his tender and maintains it for the contract period.

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4 REQUIREMENTS FOR THE PROGRAMME

- 4.1.1 The *Contractor* submits programme to the *Employer* with his tender.
- 4.1.2 The *Contractor* Provides the Works taking into account the following programme constraints:
- (i) the *starting date* and *completion date* and any post site works, reporting and review period
 - (ii) The services and other things provided by *Employer* (see Section 5)
- 4.1.3 The programme should be in the form of an activity and time related bar chart, produced as a result of a critical path analysis.
- 4.1.4 The programme should preferably be provided in either a PDF or MS Excel format and cover the full contract period including post site activities. Activities should be clearly defined and named and the programme should detail the following:
- the *starting date*, *completion date* & *Contractor's* planned completion
 - for each activity, the proposed resources (plant & labour) expected to deliver each activity should be shown on the programme
 - review periods for any reporting requirements
 - key dates for the *Employer* to provide 'services and other things'
 - key dates for co-ordination with Others
- 4.1.5 The *Contractor* updates the programme every week. The *Contractor* submits an updated programme to the *Employer* upon request.

5 SERVICES AND OTHER THINGS PROVIDED BY THE *EMPLOYER*

In the majority of cases, the *Employer* will provide temporary TM. In cases where no TM is provided state 'The *Employer* does not provide anything'.

5.1.1 The following temporary traffic management will be provided by the *Employer* to allow the *Contractor* to Provide the Works:

- (1) TM details to be confirmed, however it is anticipated that a minimum of hard shoulder closures will be deployed for verge works, and lane 3 closures for access to central reservation. Dates, extents, timings and duration to be confirmed between employer and contractor.

5.1.2 The other things that will be provided by the *Employer* are as follows:

- (1) Welfare facilities will be provided by the principle contractor.

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6 SPECIFICATION FOR THE WORKS

- 6.1.1 The *Contractor* shall undertake the works in accordance with CS 551 & CD 535 Drainage survey and asset data and risk management standards, and PAS128. A Detailed Defect Survey adhering to IAN174 is required for all drainage assets within the scheme extents as defined in section 1 - Description of Works. Drainage primarily consists of gullies, carrier pipes, channels, catchpits, filter drains and manholes mainly in the soft verge, hard shoulder and central reserve.
- 6.1.2 The *Contractor* must provide the *works* under a quality management system which:
- (1) is certified to ISO 9001,
 - (2) incorporates an environmental management system which works to the principles of ISO 14001,
 - (3) includes requirements for adopting the principles of BS 11000 and
 - (4) Complies with good industry practice and encourages innovation during the contract duration.
- 6.1.3 The *Contractor* shall undertake vegetation / ditch clearance as per drawing 570124_HE_VES_M4MP126_DR_D_3000 01 Rev C1 and the M4 Coate EAF Screening Assessment REV 01..
- 6.1.4 The *Contractor* must provide the *works* under a quality management system which:
- (5) is certified to ISO 9001,
 - (6) incorporates an environmental management system which works to the principles of ISO 14001,
 - (7) includes requirements for adopting the principles of BS 11000 and
 - (8) Complies with good industry practice and encourages innovation during the contract duration.