

**National Asset Delivery
Technical Surveys and Testing**

Scope for

570124

**A46 Four Winds Farm MP5/2 to 2/7 FHS
Topographical Survey**

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LIST OF ANNEXES

Appendix 1 **Supplementary Constraints**

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1 PURPOSE OF THE SERVICES

1.1 Project objectives

1.1.1 The principle objective of this project is to ensure that we have accurate background data on which we can create and finalise the scheme proposals.

1.1.2 The specification that applies to the *services* is included in Section 6

1.2 Scope of services

1.2.1 The *services* to be provided under this contract are:

- (1) Undertake Topographical Survey of extents shown on plan.
- (2) Undertake vegetation clearance as required for topo survey.

1.3 Deliverables

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

- (1) Topographical data shall be provided in PDF and drawing (.dwg) file formats. Electronic drawing files shall be to ordnance datum and include both 2 and 3-dimensional values.

2 EXISTING INFORMATION

2.1.1 See 'HE570124g-Topo Survey-Site Information'

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	Rev.	Date
HE570124g-WSP- HDG-A46-MP5_7-DR- D-0110_00	SCHEME LOCATION PLAN TOPOGRAPHIC SURVEY	P3	17/04/2020
HE570124g-WSP- HDG-A46-MP5_7-DR- D-0110_01	TOPOGRAPHIC SURVEY PLAN SHEET 1 OF 2	P3	17/04/2020
HE570124g-WSP- HDG-A46-MP5_7-DR- D-0110_02	TOPOGRAPHIC SURVEY PLAN SHEET 2 OF 2	P3	17/04/2020

3 CONSTRAINTS ON HOW THE CONSULTANT PROVIDES THE SERVICES

3.1 General

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

3.2 Working hours & site specific constraints

- 3.2.1 The *Consultant's* working hours for site works shall be night time works, 19:30 – 06:00.
- 3.2.2 *Contractor* to remain within the Highways Boundaries for the duration of the works, except where agreed with both the *Employer* and the land owner in advance, as per clause **Error! Reference source not found.**

3.3 Health, Safety and Environment & Risk Management

Health and Safety requirements

- 3.3.1 In Providing the Services the *Consultant* meets the requirements of Annex 2 of the supplementary constraints relation to health and safety duties.
- 3.3.2 The *Consultant* 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 which can be found here in 'HE570124g-Topo Survey-FRM04c-PCI'
- 3.3.4 Before commencing the construction phase of the *services*, the *Consultant* confirms to the *Client* that adequate welfare facilities are in place. Where the facilities detailed in section 5 are not deemed adequate, the *Consultant* provides all necessary facilities to Provide the Services and to comply with the minimum requirements set out in HSE guidance document L153.

Environmental requirements

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

Risk Management

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

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4 REQUIREMENTS FOR THE PROGRAMME

- 4.1.1 The *Consultant* submits programme to the *Client* with his tender.
- 4.1.2 The *Consultant* Provides the Services 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 *Client* (see Section 5)
 - (iii) Several types of surveys/investigations are likely to be being undertaken on site at the same time.
- 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:
- (i) the *starting date*, *completion date* & *Contractor's* planned completion
 - (ii) for each activity, the proposed resources (plant & labour) expected to deliver each activity should be shown on the programme
 - (iii) review periods for any reporting requirements
 - (iv) key dates for the Employer to provide 'services and other things'
 - (v) key dates for co-ordination with Others
- 4.1.5 The *Consultant* should provide details of the proposed resources (plant, labour, subcontractors etc.) expected to deliver each activity. This information can either be shown on the programme itself or provided in an associated resource statement included in the Proposal for Providing the Services.
- 4.1.6 The *Consultant* updates the programme every 2 weeks. The *Consultant* submits an updated programme to the *Client* upon request.

5 SERVICES AND OTHER THINGS PROVIDED BY THE CLIENT

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

- (1) Traffic management to be confirmed, however it is anticipated that a lane closure with 2-way traffic lights will be required.

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

- (1) If the *contractor* will be working under a CDM principle contractor, state that the welfare facilities will be provided by the principle contractor.

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6 SPECIFICATION FOR THE SERVICES

- 6.1.1 The *Consultant* shall Provide the Services in accordance with: PAS128 Section 10 topographic survey specification using a total station and GNSS (global navigation satellite systems).
- 6.1.2 *Contractor* to carry out surveys as per the drawings included within the technical survey documents.
- 6.1.3 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
 - (4) Complies with good industry practice and encourages innovation during the contract duration.
- 6.1.1 Topographical survey to record all existing features including, but not limited to, ground levels, VRS, Kerblines and the following information for outfalls within the extent of the survey data.
- Invert Level
 - Diameter
 - Material
 - Photographs (inside and outside of outfall)
- 6.1.2 Vegetation clearance to enable survey;
- Any clearance works must be agreed by the employer prior to works commencing.