

**National Asset Delivery
Technical Surveys and Testing**

601201

**Scope for A30 Tavistock to Lifforddown
BD MP 130.0 to 134.4 FHS - Feasibility**

**Ground Penetration Radar
(GPR Survey)**

TABLE OF CONTENTS

1	PURPOSE OF THE <i>SERVICES</i>	4
2	EXISTING INFORMATION	5
3	CONSTRAINTS ON HOW THE CONSULTANT PROVIDES THE <i>SERVICES</i> ...6	
4	REQUIREMENTS FOR THE PROGRAMME	8
5	SERVICES AND OTHER THINGS PROVIDED BY THE <i>CLIENT</i>	9
6	SPECIFICATION FOR THE <i>SERVICES</i>	10

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 carry out a GPR Survey to ensure that we have accurate and complete data in relation to the existing services as shown in drawing HE601201-KIER-HDG-A30_MP130-MP134.4-DR-CD-0100_05-06.

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) GPR survey of the site. The extent of the survey is shown on drawings HE601201-KIER-HDG-A30_MP130 - MP134.4-DR-CD-0000_01 and HE601201-KIER-HDG-A30_MP130-MP134.4-DR-CD-0100_05-06

1.3 Deliverables

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

- (1) GPR Survey, identifying all buried services within the specified area, as shown in drawing: HE601201-KIER-HDG-A30_MP130-MP134.4-DR-CD-0100_05-06.
- (2) GPR Survey data shall be provided PDF and drawing (.dwg) file formats. Electronic drawing files and shall be to ordnance datum and include 2 and 3-dimensional versions.
- (3) The GPR survey electronic drawing are to show depths of all buried services as shown in drawing: HE601201-KIER-HDG-A30_MP130-MP134.4-DR-CD-0100_05-06.

2 EXISTING INFORMATION

2.1.1 The C2 statutory information has been obtained and enclosed with this document, all buried services, overhead power lines and CCTV asset Inventory data are shown on drawing "HE601201-KIER-DG-A30_MP130 - MP134.4-DR-CD-0100_05-06".

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
HE601201-KIER-HDG-A30_MP130-MP134.4-DR-CD-0000_01	Location Plan	C2/ May 2020
HE601201-KIER-HDG-A30_MP130-MP134.4-DR-CD-0100_05-06	GPR Survey Location Plan	C2/ May 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 20:00 to 05:00.
- 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..**
- 3.2.3 Access to the site will be via the A30 eastbound and westbound carriageway traffic management. The traffic management is likely to consist of lane closures (lane 1) of the eastbound carriageways for the scheme extents MP130.0-MP134.4 (4400m).

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.highwaysafetyhub.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: 601201_ PCI GPR SURVEY & 601201_ FRM_ Hazard Identification GPR Survey.
- 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.

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)
- 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) 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* 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) The traffic management is likely to consist of a lane 1 closure for any verge works. This will be required on the eastbound for the scheme extents MP130.0-MP134.4 (4,400m eastbound). The traffic management is to be installed after 19:30 and removed before 06:00. The traffic management arrangements are to be confirmed by the employer to the contractor prior to the works.

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

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

6 SPECIFICATION FOR THE SERVICES

- 6.1.1 The *Consultant* shall Provide the Services in accordance with:
- 6.1.2 The *Contractor* must provide the *works* under a quality management system which is certified to ISO 9001 & BS 11000 and Environmental management system which works to ISO14001
- 6.1.3 GPR Survey to be in accordance with British Standards Institution PAS 128, Specification for underground utility detection.
- 6.1.4 GPR Survey data shall be provided PDF and drawing (.dwg) file formats. Electronic drawing files and shall be to ordnance datum and include 2 and 3-dimensional versions.

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