



View upstream of penstock from footbridge



View downstream of 7.5T bridge from footbridge

General Requirements

The *Contractor* will undertake a pre-condition survey prior to the start of works (to include as a minimum accesses, adjacent land, storage and compounds). These areas must be reinstated prior to the *Contractor* leaving site.

All reasonable steps must be taken to avoid increased erosion of the banks and bed

Pollution prevention measures to be undertaken in accordance with the Environment Agency's SHEW CoP Section 4.31

The *Contractor* must make good any damage caused during the works.

Construction Works

The *Contractor* will provide the following for each site or group of sites:

- Start Up Meeting including Client and Principal Designer
- Ongoing liaison with the Principal Designer.
- Removal and disposal at an appropriate facility all waste materials arising from the works;
- Prepare and complete a SWMP;
- Supply of a Health & Safety File for the completed works including as-built drawings

Traffic Management

Where required the *Contractor* will erect site signs and Traffic Management prior to commencement of work. The *Contractor* will ensure that all necessary approvals are granted before installation of traffic management.

Access to the Working Areas will be arranged by the Client.

The *Contractor* shall notify the *Client* 4 weeks in advance of his intention to first enter or occupy each area of ownership or occupation within the Site.

The *Contractor* shall provide the following information to the *Client* no less than 4 weeks prior to intended first entry to each area of ownership or occupation with the Working Areas:

- Marked up plan of the Working Area required
- Duration of the works and entry requirements
- Details of the works to be undertaken
- Access, security and temporary fencing arrangements
- Site safety requirements per Notification of Entry
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The *Contractor* shall maintain safe access and egress routes for pedestrians and vehicles where existing routes are affected by the works. The safe access and egress route must be agreed with the *Client* at least 4 weeks before the works in the relevant part of the Site commence. No alternative pedestrian access is required during construction of the new bridge. Alternative pedestrian access is to be via the other 2 bridges, there is no requirement for a temporary footbridge (Tender Query Response Ref 5)

The adjacent 7.5t weight limit bridge is available for use by the contractor (subject to compliance with stated loading restrictions) to access the southern abutment. (Tender Query Response Ref 9)

Services

The *Contractor* is to identify and mark up all overhead and underground cables following the requirements of the Environment Agency SHEW Cop Section 4.20. Where services are identified suitable control measures are required prior to work commencing.

Working times

The *Contractor* will be permitted to work between 8 00am and 5 00pm on weekdays (Monday to Friday)

No work shall be executed outside of these times or on weekends and Public Holidays without the prior written acceptance of the *Client* and a minimum notice period of 2 weeks is required. Such acceptance will be influenced by the time of sunset, anticipated noise, odour and artificial light emissions from the works, proximity to property, use of public roads and any other considerations that could cause disturbance to members of the public.

Where required local residents will be informed at least 2 weeks in advance of the location and extent of the works Any emergency or incident response works may be carried out outside of these hours if necessary

Methodology Statement

Prior to the start of construction work, the *Contractor* must produce a Construction Phase Health and Safety Plan that, amongst other things, contains:

- A schedule of activities for which risk assessments and method statements must be prepared
- The Contractor's arrangements for the preparation and approval of risk assessments and method statements
- The schedule of risk assessments and method statements must meet the requirements of the Construction Design and Management Regulations.
- The Contractor will be free to add to the schedule as the work progresses

The *Contractor* will ensure the risk assessments and method statements for each operation includes

- Risk assessments of the work
- People and resources proposed.
- Timing and sequencing of construction, materials, plant and equipment
- Details of temporary works
- Indication of activities that represent a higher level of safety, health and environmental risk.
- Safety, health and environmental controls proposed; and,
- Any permit to work proposals

The *Contractor* submits the required risk assessments and method statements to the *Client* two weeks before starting the tasks to which they refer. The *Contractor* must ensure that risk assessments and method statements are approved by the authorised individual within his own organisation before submission

Method statements shall include full particulars of the methods, timing and sequence of construction

The *Contractor* does the work in accordance with the method statement

Survey Requirements

All survey work including topographical and as built surveys to be carried out in accordance with the Environment Agency National Standard Technical Specifications for Surveying Services, Version 4.0.

CDM Requirements

The *Contractor* shall assume the role of Principal Contractor upon award of the Contract

The *Contractor* is required to liaise with the *Client's* CDM Principal Designer.

If required a copy of the HSE Notification (F10) shall be provided to the *Contractor* by the Principal Designer prior to commencement of the works

The *Contractor* shall be cognisant of the CDM Pre-construction Information, the *Client's* Health and Safety Policies and the 'SHEW Handbook' and must ensure full compliance with the *Client's* 'Safety is Paramount' code of practice. The *Contractor* shall ensure that all parties under sub-contract are cognisant of the requirements of these documents

The *Contractor* shall prepare the Health and Safety (Construction Phase) Plan before work commences on site. The *Contractor* shall issue the Health and Safety Plan to the *Project Manager* for acceptance. The Health and Safety (Construction Phase) Plan has to be accepted by the *Project Manager* before work can commence on site

Final Clean

On Completion, the *Contractor* returns the roads, footpaths, car parks and any other areas affected by the works to a condition not inferior to that pertaining at the commencement of the works. All debris, unused materials, equipment and temporary works are to be dismantled and cleared from the site

Completion

The following are absolute requirement for Completion to be certified, without these items the *Client* is unable to use the *works*:

- Certificate of conformance that the bridge meets all the required specifications.
- Electronic copies of the As Built drawings and one electronic version in both pdf and dwg formats;
- Delivery of the Final Carbon Report.

The *works* required to be done by the Completion Date is:

The whole of the *works*

Prior to Completion, the *Contractor* provides the following information in electronic format to the Principal Designer for inclusion in the Health & Safety File:

- a. Description of the *works*.
- b. Accurate drawings showing 'As-Constructed' details
- c. Public utilities & services unchartered services to be marked up on record drawings, chartered service positions to be confirmed on record drawings; overhead services to be confirmed on record drawings.
- d. COSHH – lists substances hazardous to health & specific precautions that must be taken because of their presence
- e. Information on any unforeseen hazards encountered during construction.
- f. Residual hazards & risk assessment.

The above list is not exhaustive and reference is required to *Client's* Health & Safety File requirements. The *Contractor* shall make allowance in his programme for liaison with the Principal Designer and the *Client* in providing the relevant information for the Health & Safety File prior to Completion.

2. Drawings

List the drawings that apply to the contract.

Drawing Number	Revision	Title

3. Specifications

List the specifications which apply to the contract.

Title	Date or Revision	Tick if publicly available
Civil Engineering Specification for the Water Industry	7 th Edition	Yes
Lot 1 Specification Supplementary Clauses	V1	No
Lot 1 Specification Supplementary Clauses for Culvert Works	V1	No
Clients Minimum Technical Requirements (412_13_SD01)	March 2020	No
Environment Agency SHEW-COP	2018	No
Environment Agency National Standard Technical Specifications for Surveying Services	V4.0 – 01 Sept 2017	No
Environment Agency Designers Red and Green List	11_12_SD01_v12 Final Draft Feb 2021	No
Eurocodes Vehicle Restraint Systems		Yes

4. Constraints on how the *Contractor* Provides the Works

State any constraints on the sequence and timing of work and on the methods and conduct of work including the requirements for any work by the *Client*

- 1 The *Contractor* shall not commence any work on the *site* until the *Client*, or their representative, has accepted the method statements and risk assessments related to this contract;
- 2 Access to be maintained 24/7 to the Environment Agency control building located of the left bank adjacent to the location of the new bridge.
- 3 Access to be maintained 24/7 to both the Severn Trent sewage pumping station and the adjacent private land that have existing access gates, unless otherwise agreed in writing by the landowners.
4. No mud or other debris to be deposited on any tarmac areas outside the site access gate, any such material to be removed immediately
5. No parking of any vehicles related to the construction works is permitted on Fearn Close, Richmond Avenue or Birchwood Avenue
- 6 The *Contractor* shall have obtained all highway and footpath consents required prior to starting construction
- 7 The *Contractor* shall ensure that any service diversions and protection measures required during the works have been arranged and agreed with the relevant Statutory Authority
8. The *Contractor* issues method statements to the *Client* for information in advance of carrying out items of work;

5. Requirements for the programme

State whether a programme is required and, if it is, state what form it is to be in, what information is to be shown on it, when it is to be submitted and when it is to be updated

State what the use of the works is intended to be at their Completion as defined in clause 11.2(1).

The *Contractor* submits their outline programme with the *Contractor's Offer* for acceptance. The *Contractor* to show on the programme which they submit for acceptance (in form of Gantt chart showing the critical path, proposed order and timing to undertake the works and proposed labour resources) the following:

- (a) Period required for mobilisation/ planning & post contract award
- (b) Design and all required approvals
- (c) Construction starting date
- (d) Each of the activities listed within the Price List
- (e) Any key third party interfaces: lead in periods for materials and sub-contractors; time required to obtain consents/waste permits; stated constraints; *Contractor's* risks.
- (f) Completion date

Contractor to provide monthly programme updates and to attend monthly progress meetings

6. Services and other things provided by the *Client*

Describe what the *Client* will provide, such as services (including water and electricity) and "free issue" Plant and Materials and equipment.

Item	Date by which it will be provided
1. Re-location of the telemetry equipment located on the existing footbridge	Before start of construction
2. Initial landowner engagement to be undertaken by Environment Agency	Before start of construction
3. Notice of entry to affected landowners	2 weeks before start of construction

Site Information

- SI100 Site location
- SI200 Reports and surveys
- SI300 Public Information
- SI400 Buried pipes, services and other objects
- SI500 Buildings, structures and other things adjacent to the site

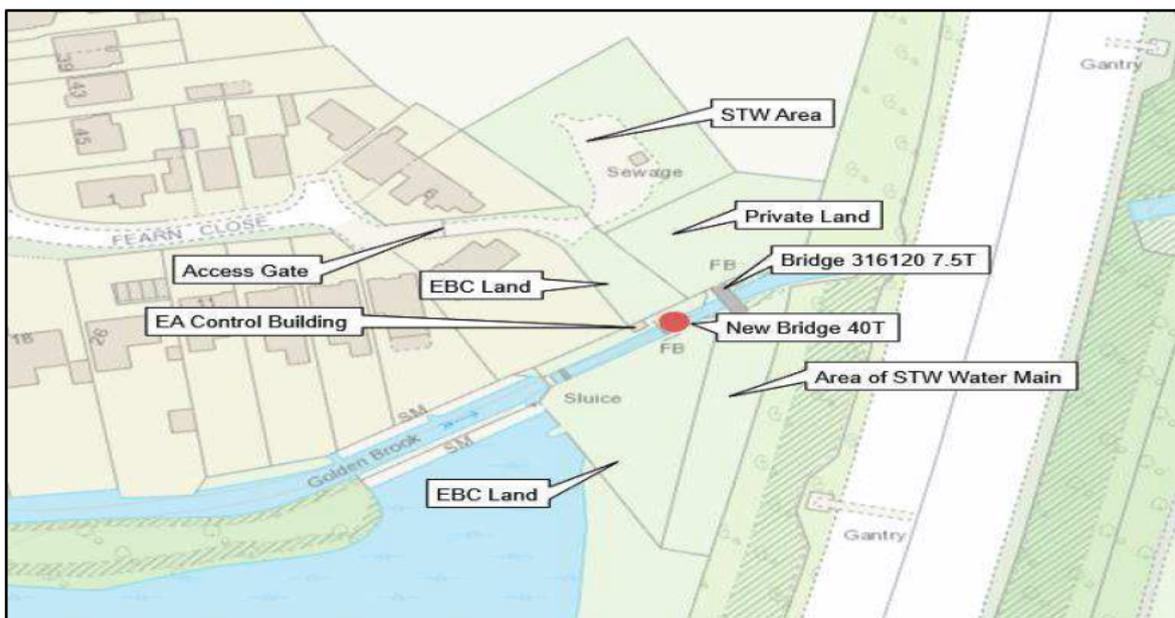
SI100 Site location

The site is located off Fearn Close in Breaston, Derby, DE72 3DT

The site is accessed via Fearn Close off Richmond Ave off the A6005 Derby Road at the eastern end of Breaston



Site Location Map



Site Plan