Environment Agency
Site Specific Pack

Project name	Wessex Eel Passage Improvements (May 21)
Project SOP reference	ENV0002498C
Contract reference	32966
Site	Site C - Hackness Sluice
Date	21/06/2021
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Author	[redacted]

Revision history

Revision date	Summary of changes	Version number
21/06/21	First issue	1.0

Non-returnable Documents

NEC4 Engineering and Construction Short Contract

Site Specific Pack

This Site Specific Pack should be read alongside the over-arching Contract Data and Scope.

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SSP 100 Scope

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Background

Site C - Hackness Sluice (the Site) is located on the River Brue approximately 1.5km to the west of East Huntspill (NGR ST 33234 46207). An ACE supplied pumped eel pass was installed at Hackness Sluice in 2012-13, to provide safe passage for eels past the sluice. At the time access to the eel pass flow splitter box for future operation and maintenance was not considered, with the splitter box completely fenced in with palisade security fencing. With the splitter box inaccessible, the system cannot be adjusted nor can it be flushed to remove any silt/debris accumulation within the pass.

Without regular inspections and maintenance, the eel pass has potential to fail that could cause eel mortalities or prevent migration, resulting in non-compliance under the Eels (England and Wales) Regulations 2009.

The *Client*s main objective for this Site, to achieve compliance with the Eels (England and Wales) Regulations 2009, is to ensure that the eel pass can be safely maintained.

The *works*

In conjunction with the over-arching ECSC Contract Data and Scope, the *Client* requires the following scope of works to be undertaken by the *Contractor*.

Hackness Pre-Construction Works

Prior to works commencing on Site the *Contractor* shall:

- Attend the Site to gain an understanding of the Site constraints, specifically with regards access and buildability;
- Prepare and provide for *Client* review and acceptance a simple light touch design for a new palisade fencing arrangement that allows access to the eel pass. A concept sketch has been provided for the *Contractor* to formalize and make suitable for construction (including a RAG, DRA & Buildability Statement).

  A CAD file to be used for the design development for the Site has been provided (Site Information **Appendix B**). The *Contractor* shall take responsibility for any construction drawings, whilst the *Client* retains responsibility and liability of the concept sketch;
- Compile and submit to the *Client* for acceptance, Pre-Construction Information (PCI) presented in the provided pre-populated PCI document;
- Undertake a pre-construction ecological check of the Site to ensure no protected species will be affected by the construction works and that there are no invasive species concerns. The ecological check is to be undertaken by an appropriately experienced ecologist, with experience of protected species and Site supervision;

- Before any work commences on the Site, and based on the findings of the ecological check, the *Contractor* shall provide an ecological toolbox talk to their staff. To ensure any identified ecological constraints are appropriately actioned, the ecological toolbox talk should be undertaken by the ecologist who undertook the ecological walkover. The *Client's* project team are to be invited to the toolbox talk;
- Undertake a brief photographic pre-construction condition survey of all access points and access routes to the structure, and areas around the working area. Pre- construction condition survey is to be presented in a concise standalone document, with each photograph clearly and appropriately titled. The report is to be provided to the *Client* prior to works commencing at the site.

Design submission procedures and acceptance criteria

Under this contract the *Contractor* is required to liaise with the *Clients* project team and Residential Principal Designer to develop and gain *Client* approval on:

- The *Client* approved light touch design for the security fencing; and
- Construction Phase Plans (CPP), Traffic Management Plan, Risk Assessments and Method Statements (RAMS).

NOTE - Any design provided to the *Client* shall be in both .pdf and AutoCAD .dwg format.

As per the *Client*s SHEW CoP, the designer will use the *Client*s Red Amber Green List (RAG) when considering options in both design and construction phases. The designer will ensure that all foreseeable risks are identified and those which cannot be eliminated are mitigated by design options to reduce the risks. Suitable controls must be identified by the designer for any residual risks. These residual risks or mitigation requiring specific controls, or which may be unusual or not immediately apparent to the *Contractor* shall be clearly identified. As a minimum, this will involve effective use of SHE boxes on design drawings.

<u>Hackness Construction Works</u>

To deliver the works the *Contractor* shall, in accordance with the *Client* approved Design, CPP and RAMS:

- Mobilise to Site and set up the working area, storage area and safety signage (refer to the Hackness Sluice Site Boundary Plan in the Hackness Scope Documents);
- Remove existing fencing (~ 4m of Steel palisade and ~2m of adjacent timber and of post and rail fencing)
- Install the *Client* approved design, tying into the adjacent landowners timber post and rail fencing; and
- Make good the Site as required.

<u>Hacknesss Post-Construction Works</u>

The *Contractor* shall liaise with the *Client's* project team and CDM Principal Designer, to provide:

- Updated 'as constructed' drawing(s), with any deviations from the design captured accordingly. 'As constructed' drawings are to be provided in both .pdf and AutoCAD .dwg format and submitted to the Principal Designer for approval; and
- A separate electronic folder containing appropriately titled photographs of the works pre-, during and post- construction.

S200 Drawings

The *Client* has provided a Hackness Sluice Eel Pass Access Improvements Concept Sketch that can be found in Hackness Sluice Scope Documents.

S300 Specifications

Refer to general specifications section in the over-arching NEC4 ECSC Data and Scope

S400 General Constraints (to be read in conjunction with the overarching Scope)

1. The access date for this Site is February 2022
2. The *Employer's* Estates team will identify landowners and carry out landowner negotiations
3. Works and access should take into consideration the potential presence of protected species and invasive species (refer to the Wessex Eel Passage Improvements (May 21) Environmental Action Plan (EAP) within the over-arching ECSC Scope Documents)

S500 Programme

The *Contractor* shall submit a Site specific programme with the *Contractor*'s Offer for acceptance.

Refer to Programme section in the over-arching ECSC Contract Data and Scope for general details to be included within each programme the *Contractor* submits.

S600 Services and others things provided by the *Client*

Item	**Date by which it will be provided**
Services check	See over-arching NEC4 ECSC Contract Data and Scope for details
Access to the Site for initial surveys and investigation	Contract award
Access to the Site for installation	Min 2 weeks prior to start on Site

SSP 300 Site Information

SECTION	SCOPE
SI100	Site location
SI200	Reports and surveys
SI300	Drawings
SI400	Public Information
SI500	Buried pipes, services and other objects
SI600	Buildings, structures and other things adjacent to the Site
SI700	Health and safety information

Checklist	Description of possible content

SI100 Site location

Site C - Hackness Sluice is a water level control structure located on the River Brue (NGR ST 33234 46207), approximately 1.5km to the west of East Huntspill (see Site Location Plan in Site Information **Appendix A**).

The sluice is positioned parallel to the River Brue Catherine Street Road bridge, with the Westhill Caravan and camping Park on the right bank and agricultural fields on the left bank.

SI200 Reports and surveys

Survey Doc No.	Title	Location
327653/042	Hackness Sluice Topographic survey (.dwg)	Site Information **Appendix A**
1000/53	Hackness Sluice Operation and Maintenance Manual	Site Information **Appendix B**
ELEN67	Designing out Risk	Site Information **Appendix A**
-	Hackness Sluice Photographs	Site Information **Appendix A**

SI300 Drawings

Drawing No.	Title	Location
100005-1a	Hackness Assembly from upstream	Site Information **Appendix B**
100005-1b	Hackness Assembly	Site Information **Appendix B**
100005-1c	Hackness Side elevation	Site Information **Appendix B**

SI400 Public Information

None provided

SI500 Buried pipes, services and other objects

A desk based services check has been undertaken. Details of the utility companies that have been searched can be found in the Site Information **Appendix C**.

An 11KV overhead WPD line feeds the Site from the south east corner. The WPD LV feed from 11KV overhead enters the control building to the south of the structure. Work is being undertaken on the north of the structure and as such will not encounter this line. No other services were returned within the Site boundary.

SI600 Buildings, structures and other things adjacent to the Site

The structure sits approximately 1-2m parallel to the Catherine Street road bridge. Westhill Caravan Park sits on the River Brue right bank whilst the control room sits to the south of the structure as mentioned above.

SI700 Health and safety information

There is a Hackness Sluice Operation and Maintenance Manual created in 2003 (See Site Information **Appendix B**). The O&M Manual includes:

- residual hazards and how they were dealt with
- hazards associated with materials used
- nature, location and markings of significant services