



Framework:	Collaborative Delivery Framework
Supplier:	BAM Nuttall Ltd
Company Number:	00305189
Geographical Area:	North East
Contract Name:	Greatham Marsh Restoration Construction
Project Number:	ENV0002541C
Contract Type:	Engineering Construction Contract
Option:	Option C
Contract Number:	C28406
Stage:	Construction

ENGINEERING AND CONSTRUCTION CONTRACT under the Collaborative Delivery Framework
CONTRACT DATA

Project Name Greatham Marsh Restoration Construction

Project Number ENV0002541C

- This contract is made on 11 August 2025 between the *Client* and the *Contractor*
- This contract is made pursuant to the Framework Agreement (the “Agreement”) dated 10th day of April 2019 and Framework Agreement Extension dated and signed 1st April 2023 between the *Client* and the *Contractor* in relation to the Collaborative Delivery Framework. The entire agreement and the following Schedules are incorporated into this Contract by reference
 - Schedules 1 to 23 inclusive of the Framework schedules are relied upon within this contract.
 - The following documents are incorporated into this contract by reference
LIT 13260 - CDT NEC4 ECC Scope - Greatham Marsh v6.7

Part One - Data provided by the *Client*
Statements given in all Contracts

1 General The *conditions of contract* are the core clauses and the clauses for the following main Option, the Option for resolving and avoiding disputes and the secondary Options of the NEC4 Engineering and Construction Contract June 2017.

Main Option	Option C	Option for resolving and avoiding disputes	W2
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Secondary Options

- X2: Changes in the law
- X7: Delay damages
- X10: Information modelling
- X11: Termination by the *Client*
- X15: *Contractor's* design
- X18 Limitation of Liability
- X20: Key Performance Indicators
- Y(UK)1: Project Bank Account
- Y(UK)2: The Housing Grants, Construction and Regeneration Act 1996
- Y(UK)3: The Contracts (Rights of Third Parties) Act 1999
- Z: *Additional conditions of contract*

The *works* are

removal of the tidal sluice, reinstatement of the banks and foreshores, excavation of a new channel, partial infilling of the current channel and earthworks to encourage formation of intertidal habitat

The *Client* is Environment Agency

Address for communications

Address for electronic communications

The *Project Manager* is

Address for communications

Address for electronic communications

The *Supervisor* is

Address for communications

Address for electronic communications

The *Scope* is in
LIT 13260 - CDT NEC4 ECC Scope - Greatham Marsh v6.7

The *Site Information* is in
Greatham Marsh - Site Information v3.2

The *boundaries of the site* are
Greatham Marsh Site Plan - 20250808 v1.0

The *language of the contract* is English

The *law of the contract* is
the law of England and Wales, subject to the jurisdiction of the courts of England and Wales

The period for reply is 2 weeks

The following matters will be included in the Early Warning Register
Not Used

Not Used

Not Used

Not Used

Early warning meetings are to be held at intervals no longer than 2 weeks

2 The *Contractor's* main responsibilities

The *key dates* and *conditions* to be met are
condition to be met *key date*

'none set' 'none set'

'none set' 'none set'

'none set' 'none set'

The *Contractor* prepares forecasts of the total Defined
Cost for the whole of the *works* at intervals no longer
than 4 weeks

3 Time

The *starting date* is 26 August 2025

The *access dates* are
part of the Site date

Asite 26 August 2025

Fast Draft 26 August 2025

The Site 26 August 2025

Crown Estate Land 01 October 2025

Land on the Left Bank of Greatham Beck 01 October 2025

The *Contractor* submits revised programmes at
intervals no longer than 4 weeks

The *Completion Date* for the whole of the *works* is 30 September 2026

The *Client* is not willing to take over the *works* before the Completion Date

The period after the Contract Date within which the Contractor is to submit a first programme for acceptance is 4 weeks

4 Quality management

The period after the Contract Date within which the Contractor is to submit a quality plan is 4 weeks

The period between Completion of the whole of the works and the defects date is 52 weeks

The defect correction period is 4 weeks except that
• The defect correction period for Safety issue for the public is 24 Hours
• The defect correction period for is

5 Payment

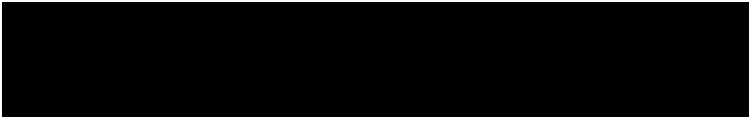
The currency of the contract is the £ sterling

The assessment interval is Monthly

The Client set total of the Prices is £2,358,412.43

The interest rate is 2.00% per annum (not less than 2) above the Base rate of the Bank of England

The Contractor's share percentages and the share ranges are



6 Compensation events

The place where weather is to be recorded is Billingham

- The weather measurements to be recorder for each calendar month are
- the cumulative rainfall (mm)
 - the number of days with rainfall more than 5mm
 - the number of days with minimum air temperature less than 0 degrees Celsius
 - the number of days with snow lying at 09:00 hours GMT

and these measurements:

- 1.
- 2.
- 3.
- 4.
- 5.

The weather measurements are supplied by The Met Office
The weather data are the records of past weather measurement for each calendar month which were recorded at Billingham and which are available from The Met Office

Assumed values for the ten year weather return weather data for each weather measurement for each calendar month are

Jan	Jul
Feb	Aug
Mar	Sep
Apr	Oct
May	Nov
Jun	Dec

These are additional compensation events

1. Carbon Methodology - Adherence to and compliance with the Carbon Methodology dated 08 June 2023
2. The Working Areas are flooded and the river level is greater than 3.05m AOD measured at a temporary gauge to be installed by the Contractor. Photographic evidence of the water level with date and time stamp to be provided by the Contractor

3. Asbestos containing materials in the tidal sluice
4. 'not used'
5. 'not used'

8 Liabilities and insurance

These are additional *Client's* liabilities

- 1 'not used'
- 2 'not used'
- 3 'not used'

The minimum amount of cover for insurance against loss of or damage to property (except the *works*, Plant and Materials and Equipment) and liability for bodily injury to or death of a person (not an employee of the *Contractor*) arising from or in connection with the *Contractor* Providing the Works for any one event is



The minimum amount of cover for insurance against death of or bodily injury to employees of the *Contractor* arising out of and in the course of their employment in connection with the contract for any one event is

not less than the amount required by law

The insurance against loss of or damage to the *works*, Plant and Materials is to include cover for Plant and Materials provided by the *Client* for an amount of

Not Applicable

Resolving and avoiding disputes

The *tribunal* is litigation in the courts

The *Senior Representatives* of the *Client* are

Address for communications

Address for electronic communications

Name

Address for communications

Address for electronic communications

The *Adjudicator* is

'to be confirmed'

Address for communications

'to be confirmed'

Address for electronic communications

['to be confirmed'](#)

The *Adjudicator nominating body* is

The Institution of Civil Engineers

Z Clauses

Z 2B: Water levels: *Contractor's* risk

Clause 60.1 (12) second bullet point is amended to: "are not weather conditions or floods and"

Z3 Prevention: No change to prices

Delete first sentence of clause 62.2 and replace with:

"Quotations for compensation events except for the compensation event described in 60.1(19) comprise proposed changes to the Prices and any delay to the Completion Date and Key Dates assessed by the *Contractor*. Quotations for the compensation event described in 60.1(19) comprise any delay to the Completion Date and Key Dates assessed by the *Contractor*."

Delete 'The' At start of clause 63.1 and replace with:

"For the compensation event described in 60.1(19) the Prices are not changed. For other compensation events the..."

Z 4 The Schedule of Cost Components

The Schedule of Cost Components is as detailed in the Framework Schedule 9.

Z7 Contractor's share

After c154.2 and before c154.3, insert the following additional clause:

54.2A If, prior to Completion of the whole of the works, the Price for Work Done to Date exceeds 111% of the total of the Prices, the amount in excess of 111% of the total of the Prices is retained from the Contractor.

Z10 Payments to subcontractors, sub consultants and

Subcontractors

The *Contractor* will use the NEC4 contract on all subcontracts for works unless another alternative and appropriate form is proposed and agreed in accordance with clause 26.3.

Payment to subcontractors will be 28 days from the assessment date.

If the *Contractor* does not achieve payments within these timescales then the Client reserves the right to delay payments to the Contractor in respect of subcontracted work, services or goods.

Failure to pay subcontractors and suppliers within contracted times scales will also adversely affect the *Contractor's* opportunities to work on framework contracts.

Z11Y(UK) 3 The Contracts (Rights of Third Parties)

Z11.1 The *Contractor* warrants all design complies with the contract whether undertaken by the *Contractor* or by sub-contractors.

Z11.2 All contracts for design employed by the *Contractor* must include:

• Y(UK)3 The Contracts Rights of Third Parties) Act 1999

• A requirement for the *Contractor's* sub-contractor to hold Professional indemnity insurance to the same level as the cover specified for the *Contractor* in this Call-off contract

• A clause to give the *Client* (the Environment Agency) the right to enforce the provisions of the Contracts (Right of Third Parties) Act 1999,

• A clause to ensure that neither the *Contractor* nor their sub-contractor can alter the provisions of their sub-contract without the consent of the *Client*

• A clause to ensure that the *Client's* rights against the sub-contractor under this agreement shall be subject to the same conditions, limitations and exclusions as apply to the

Contractor's rights against the design consultant under this agreement

• A clause to state that except as provided in clause Z11.1, the agreement does not create any right enforceable by any person who is not a party to it (Other Party) under the Contracts (Rights of Third Parties) Act 1999, but the clause does not affect any right or remedy of any other party which exists or is available apart from that Act.

Z16 Disallowed Costs

Add the following bullets to clause 11.2 (26) Disallowed costs

- was incurred due to a breach of safety requirements, or due to additional work to comply with safety requirements.
- was incurred as a result of the client issuing a Yellow or Red Card to prepare a Performance Improvement Plan.
- was incurred as a result of rectifying a non-compliance with the Framework Agreement and/or any call off contracts following an audit.

Z19 Linked contracts

Delays and additional cost on this contract resulting from the *Contractor's* fault or error on a previous contract on this project or programme will be a Disallowable cost under this contract and not be a Compensation event under this contract.

Z21 Requirement for Invoice

Add the following sentence to the end of clause 51.1:

The Party to which payment is due submits an invoice to the other Party for the amount to be paid within one week of the *Project Manager's* certificate.

Delete existing clause 51.2:

51.2 Each certified payment is made by the later of

- one week after the paying Party receives an invoice from the other Party and
- three weeks after the assessment date, or, if a different period is stated in the Contract Data, within the period stated.

If a certified payment is late, or if a payment is late because the *Project Manager* has not issued a certificate which should be issued, interest is paid on the late payment. Interest is assessed from the date by which the late payment should have been made until the date when the late payment is made, and is included in the first assessment after the late payment is made

Z22 Resolving Disputes

Delete W2.1

Z23 Risks and insurance

Replace clause 84.1 with the following

Insurance certificates are to be submitted to the Client on an annual basis.

Z31 ECC – Price Adjustment for Inflation

The *Client* recognises the ongoing pricing uncertainty with regards to inflation. The *Client* will mitigate this uncertainty through this clause.

Z31.1 Defined terms:

- The index is Office for National Statistics (ONS) CPI (UK, 2015=100).
- The Base Date Index (B) is the latest available index published by ONS prior to the Contract Date.
- The Latest Index (L) is the latest available index published by ONS before the date of assessment of an amount due.
- The Price Adjustment Factor (PAF) at each date of assessment of an amount due is $0.9((L-B)/B)$.

Z31.2 Application rules.

The provisions of this clause [Z31] shall apply provided that:

- The Price for Work Done to Date is less than or equal to the total of the Prices and
- Inflation remains positive i.e. L is greater than B.

Z31.3 Price Adjustment Factor.

If an index is changed after it has been used in calculating a PAF, the calculation is not changed. The PAF calculated at the last assessment date before the Completion Date for the whole of the *works* is used for calculating an amount for price adjustment after that date.

Z31.4 Price adjustment Options A and B.

NOT USED

Z31.5 Price adjustment Options C and D.

Each time the amount due is assessed, an amount for price adjustment is added to the total of the Prices which is the change in the Price for Work Done to Date since the last assessment of the amount due multiplied by (PAF/(1+PAF)).

Z31.6 Compensation events.
NOT USED

Z111 ECC - Fee adjustment for non compliance with Scope
Delete existing 11.2 (10) and replace with the following clause

The Fee is the amount calculated by applying the *fee percentage* to the Defined Cost excluding the cost of Sub-contractors that have not complied with procurement by best value processes as defined in the Scope. 80% of the *fee percentage* is applied to the amount of the Defined Cost for Sub-contractors that have not complied with procurement by best value processes as defined in the Scope.

Z120 ECC – Carbon reduction

Ref. (Clause No.)	Clause words
11.2 Definitions	Add as Clause 11.2(36) (36) The Performance Table states the targets the <i>Contractor</i> is to achieve in Providing the Works and sets out the adjustment to payment if a measured performance is higher, the same or lower than its target. The Performance Table is the <i>performance table</i> unless later changed in accordance with the contract.
15.1 Early Warnings	In Clause 15.1 add as a new bullet between the second and third bullet: • result in a target in the Performance Table not being met,”
Performance Measurements	
57	Add as Clause 57:
57.1	From the <i>starting date</i> until the Completion Date, the <i>Contractor</i> reports to the <i>Project Manager</i> its performance against the targets in the Performance Table. Reports are provided at the intervals stated in the Performance Table.
57.2	If the <i>Contractor's</i> performance against a target in the Performance Table is not achieving or is forecast not to achieve the performance target stated, it submits to the <i>Project Manager</i> for acceptance its proposals for improving performance. A reason for not accepting the proposals is that they will not provide the improvement in performance needed to achieve the target in the Performance Table.
57.3	At the dates stated in the Performance Table, • if the relevant performance does not meet the target stated in the Performance Table, the <i>Contractor</i> pays the amount stated in the Performance Table, • if the relevant performance exceeds or meets the target stated in the Performance Table, the <i>Contractor</i> is paid the amount stated in the Performance Table.
57.4	Information in the Performance Table is not Scope.
X18	X18.5 add as a new bullet after the fourth bullet: • low performance damages if the Performance Table applies

The *performance table* is [ECC-carbon-performance-table.xlsx](#)

the Performance Table for this contract type [form, Partner, Stage] as set out in the Carbon Methodology dated 08 June 2023

Secondary Options

OPTION X2: Changes in the law

The *law of the project* is the law of England and Wales, subject to the jurisdiction of the courts of England and Wales

OPTION X7: Delay damages

X7 only

Delay damages for Completion of the whole of the *works* are [REDACTED] per day

OPTION X10: Information modelling

The period after the Contract Date within which the *Contractor* is to submit a first Information Execution Plan for acceptance is 2 weeks

The minimum amount of insurance cover for claims made against the *Contractor* arising out of its failure to use skill and care normally used by professional providing information similar to the Project Information is, in respect of each claim

[REDACTED]

The period following Completion of the whole of the *works* or earlier termination for which the *Contractor* maintains insurance for claims made against it arising out of its failure to use the skill and care is

6 years

OPTION X15: The *Contractor's* design

The *period for retention* following Completion of the whole of the *works* or earlier termination is 6 years

The minimum amount of insurance cover for claims made against the *Contractor* arising out of its failure to use skill and care normally used by professionals designing works similar to the *works* is, in respect of each claim

[REDACTED]

The period following Completion of the whole of the *works* or earlier termination for which the *Contractor* maintains insurance for claims made against it arising out of its failure to use the skill and care is

6 years

OPTION X18: Limitation of liability

The *Contractor's* liability to the *Client* for indirect or consequential loss is limited to

[REDACTED]

For any one event, the *Contractor's* liability to the *Client* for loss or damage to the *Client's* property is limited to

[REDACTED]

The *Contractor's* liability for Defects due to its design which are not listed on the Defects Certificate is limited to

[REDACTED]

The *Contractor's* total liability to the *Client* for all matters arising under or in connection with the contract, other than excluded matters, is limited to

[REDACTED]

The *end of liability date* is 6 years after the Completion of the whole of the *works*

OPTION X20: Key Performance Indicators (not used with Option X12)

The *incentive schedule* for Key Performance Indicators is in Schedule 17.

A report of performance against each Key Performance Indicator is provided at intervals of 3 months.

Y(UK)1:Project Bank Account

The Contractor is to pay any bank charges made and to be paid any interest paid by the
project bank

Y(UK2): The Housing Grants, Construction and Regeneration Act 1996

The period for payment is 14 days after the date on which payment becomes due

Y(UK3): The Contracts (Rights of Third Parties Act) 1999

term *beneficiary*

No Terms Under This Contract No Beneficiaries Under This Contract

term *beneficiary*

The provisions of Y(UK)1 No Beneficiaries Under This Contract

Part Two - Data provided by the Contractor

Completion of the data in full, according to the Options chosen, is essential to create a complete contract.

1 General

The Contractor is

Name

BAM Nuttall Ltd

Address for communications

Address for electronic communications

The fee percentage is

Option C

The working areas are

The Site and offices and premises of the Contractor their em

The key persons are

Name (1)

Job

Responsibilities

Qualifications

Experience

The key persons are

Name (2)

Job

Responsibilities

Qualifications

Experience

The key persons are

Name (3)

Job

Responsibilities

Qualifications

Experience

The key persons are

Name (4)

Job

Responsibilities

Qualifications

Experience

The following matters will be included in the Early Warning Register

2 The Contractor's main responsibilities

The Scope provided by the *Contractor* for its design is in

Not Applicable

3 Time

The programme identified in the Contract Data is

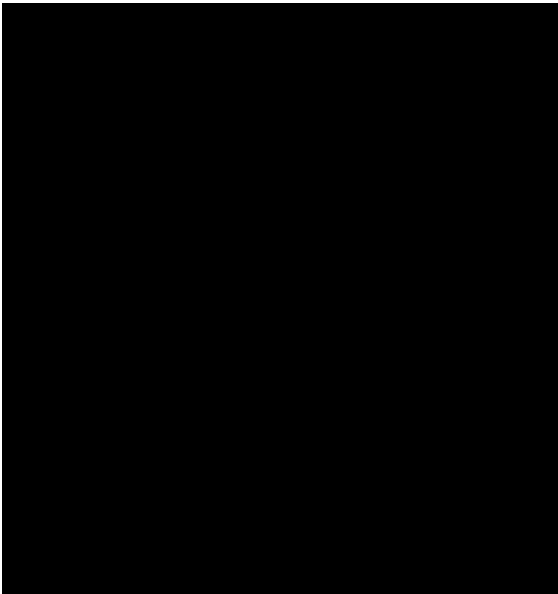
Not Applicable

5 Payment

The *activity schedule* is
Not Applicable

Resolving and avoiding disputes

The *Senior Representatives* of the *Contractor* are



X10: Information Modelling

The *information execution plan* identified in the
Contract Data is
To be confirmed

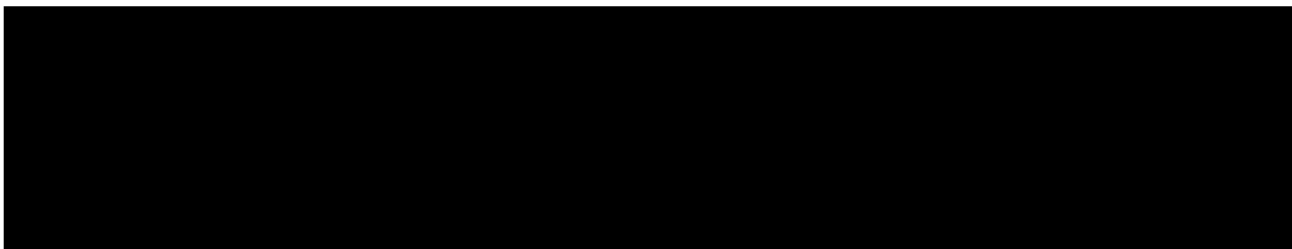
Y(UK)1: Project Bank Account

The *project bank* is
To be confirmed

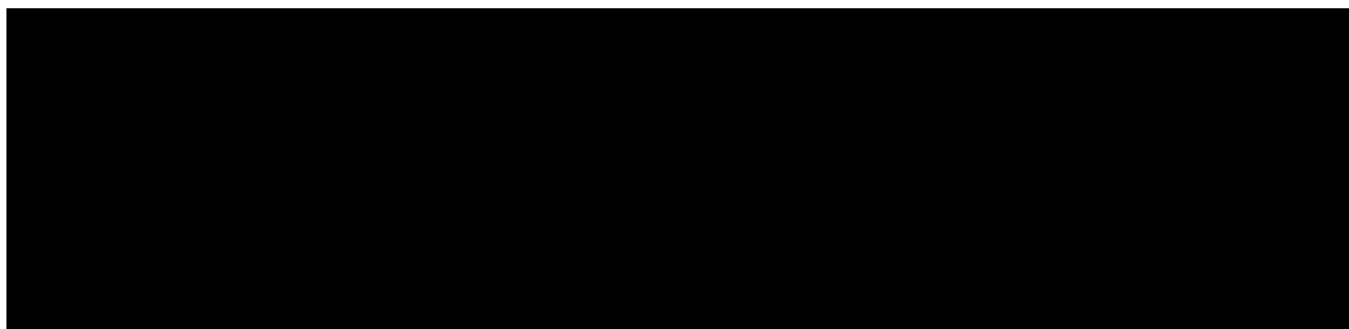
named suppliers are
none

Contract Execution

Client execution



Contractor execution



ECC Scope Template

Environment Agency

NEC4 ECC engineering and construction contract

SCOPE

Project / contract information

Project name	Greatham Marsh Restoration
Project SOP reference	ENV0002541C
Contract reference	
Date	15/08/2025
Version number	6.7
Author	Matt Rountree

Revision history

Revision date	Summary of changes	Version number
16/08/2024	First issue to Suppliers, BAM	1
[insert date]	[insert details]	[insert number]

Documents included in Scope by reference

This Scope should be read in conjunction with the documents detailed in the table below current at the Contract Date.

In accordance with clause 17.1 either party can notify of any inconsistency or ambiguity in or between these documents which are part of the contract.

In the event of conflict, this Scope shall prevail.

The works is to be compliant with the following: DOCUMENT	Document Title	Version No	Issue date
LIT 13258	Minimum Technical Requirements – Standard	V 13	June 2024

LIT 65150	Minimum Technical Requirements – Environment and Sustainability	V 1	March 2023
LIT 17641	Exchange Information Requirements	V3.0	January 2023
LIT 16559	SHEW CoP	V 7.0	April 2025
LIT 12507	(SHE) handbook for managing capital projects	V2	March 2023
	Project Information Delivery Plan	Appendix 1	This document
LIT 14284	Carbon Operating Instruction	V6.0	August 2023
FHU 309	Carbon methodology	V 3.1	02/10/2023
	BREEAM V6 Technical Manual requirements	V6	
LIT13879	Minimum Technical Requirements – Landscape and Environmental Design	V5.0	14/03/2025

Navigating the Scope

On the Word ribbon, Select the 'View' tab then find the Show group. Select the check box against 'Navigation Pane'. A panel will open in the left-hand side that allows you to go direct to Scope Headings and Scope Sub Headings. You can also search the document in the navigation Pane.

Alternatively use content table's hyperlinks. Control and Select (Ctrl + Click) the Scope clause number will take you to that clause in this document.

Contents

S 100	DESCRIPTION OF THE <i>WORKS</i>	5
S 200	GENERAL CONSTRAINTS ON HOW THE <i>CONTRACTOR</i> PROVIDES THE <i>WORKS</i>	7
S 300	CONTRACTOR'S DESIGN	26 <u>25</u>
S 400	COMPLETION	29 <u>28</u>
S 500	PROGRAMME	31 <u>30</u>
S 600	QUALITY ASSURANCE	34 <u>33</u>
S 700	TEST AND INSPECTIONS	35 <u>34</u>
S 800	MANAGEMENT OF THE <i>WORKS</i>	37 <u>36</u>
S 900	WORKING WITH THE <i>CLIENT</i> AND OTHERS	38 <u>37</u>
S 1000	SERVICES AND OTHER THINGS TO BE PROVIDED	40 <u>39</u>
S 1100	HEALTH AND SAFETY	41 <u>40</u>
S 1200	SUBCONTRACTING	43 <u>42</u>
S 1300	TITLE	44 <u>43</u>
S 1400	ACCEPTANCE OR PROCUREMENT PROCEDURE (OPTIONS C, D, E AND F)	45 <u>44</u>
S 1500	ACCOUNTS AND RECORDS (OPTIONS C,D, E AND F)	46 <u>45</u>
S 1600	PARENT COMPANY GUARANTEE (OPTION X4)	47 <u>46</u>
S 1700	PERFORMANCE BOND (ONLY APPLICABLE TO WITH X13)	47 <u>46</u>
S 1800	ADVANCED PAYMENT BOND (ONLY APPLICABLE WITH X14)	47 <u>46</u>
S 1900	LOW PERFORMANCE DAMAGES (ONLY APPLICABLE WITH X17)	47 <u>46</u>
S 2000	<i>CLIENT'S</i> WORK SPECIFICATIONS AND DRAWINGS	48 <u>47</u>

S 100 Description of the *works*

S 101 General Description of the *works*

1. The drawings describing the *works* are included in S2000 *Client's* Work Specifications and Drawings.
2. The baseline setting out information is in S2000 *Client's* Work Specifications and Drawings. The *Contractor* will establish these lines on site and confirm the position with the Supervisor before commencement of any construction works. The *Contractor* shall check the provision of any level reference points shown on the drawings and confirm the position and level with the *Supervisor* before use for setting out the works. The *Contractor* shall inform the *Project Manager* when all setting out reference points have been agreed, checked, and confirmed.
3. AD: The *works* are to remove the tidal sluice structure at Greatham Marsh, earthworks operations including excavation of sections of the existing embankments, excavation of a new main river channel, excavation of a creek system, ponds and islands and fill to the existing watercourse. The works include the construction of a new Public Right of Way. The *Contractor* will reinstate the areas of temporary works and access route.

S 102 Purpose of the works / Outcome required

S 102 (1) Purpose

1. AD: The *Client's* objectives of the project are:
 - (1) Decommission the tidal sluice and embankments to reduce maintenance costs and meet the requirements of a legal requirement to remove the structure by 2029.
 - (2) Restore natural intertidal processes.
 - (3) Create intertidal habitat.
 - (4) Produce BNG units.
 - (5) Allow saltmarsh to form and sequester Carbon.
 - (6) Improve the quality of the watercourse.

Background

Historically, the village of Greatham was on the edge of the marshes but is now inland from the remaining intertidal areas. The land is currently protected by flood banks constructed in the 18th century and a tidal structure with tidal flaps constructed in 1980. These defences are maintained by the Environment Agency but have been identified for decommissioning in the Tees Tidal Flood Risk Management Strategy (2010), as uneconomical to maintain.

The current provision is not sustainable both economically and because the license on the tidal structure expires on 31st December 2029. This is a one-off requirement and will not need to be repeated.

The Environment Agency have worked with their designer and the *Contractor* in Early Supplier Engagement to produce designs which increase the quality and size of habitat created following the removal of the tidal structure through earthworks. Successful delivery of the contract will allow the Environment Agency to decommission assets, create habitats to improve biodiversity and improve the quality of the watercourse.

Regarding earthworks, the designs propose the *Contractor* uses only the topsoil and subsoil materials already on site and does not import and export any topsoil or subsoil materials, thus saving cost and acting sustainably.

2. Minimised Carbon is a strategic objective of this contract. The *Contractor* should look for opportunities to minimise Carbon.

S 102 (2) Outcome Required

1. AD: The design intends to increase fish passage an additional 0.93 km and create 16 Ha intertidal habitat.
2. The decommissioning and removal of the tidal structure including removing the flaps, foundations, steelwork, steps and all other sections that make up the asset.

S 200 General constraints on how the *Contractor* provides the *works*

S 201 General Constraints

S 201 (1) Use of site

1. AD: With the exception of security staff, people shall not remain on the Site overnight without the written agreement of the *Client*.
2. The *Contractor* does not enter or use the Site for any purpose not connected with the works.
3. The *Contractor* takes reasonable steps to prevent public access to the Site and working area.

S 201 (2) Access to site

1. AD: The *Contractor* notifies the *Project Manager* 14 days in advance of their intention to first enter or occupy each Working Area within the Site.
2. The *Project Manager* shall maintain close liaison with the *Client* in ensuring all necessary landowner agreements and issued notices are in place prior to entry onto Site and secure Working Areas, the *Project Manager* advises the *Contractor* when these are in place. To assist the *Client* to prepare each Notice of Entry, the *Contractor* will provide:

(1) Marked up plan of the Working Area required.

(2) Duration of the works and entry requirements.

(3) Access arrangements.

(4) Site safety requirements.

3. The *Contractor* is to identify and complete a photographic dilapidation condition survey prior to taking entry.
4. The *Client* shall keep landowners and occupiers informed of the effect of the works on their land. The *Contractor* provides a weekly progress update to the *Client* for use.
5. The *Contractor* maintains safe access and egress routes for pedestrians and vehicles requiring access to areas affected by the works. The temporary Public Right of Way agreed with Hartlepool Borough Council is shown in Appendix 3 – Drawings and Specification – Drawing 2002 revision C02.
6. Where access cannot be maintained, a closure or diversion route shall be agreed with the *Client* by the *Contractor*. The *Contractor* will be responsible for obtaining and paying for all temporary closures and permanent diversion of footpaths or highways impacted by the works. The *Contractor* will issue a compensation event to the *Client* to recover the fee of obtaining closures and diversions as the need arises.
7. The proposed access routes are to be confirmed by the *Contractor* and designated in the Construction Phase Plan. The *Contractor* is to obtain

any additional approvals from third parties or local council and incorporate any specific requirements as necessary.

8. Copies of formal entry notices, details of particular agreements with landowners and/or powers of entry will be made available to the *Contractor*.
9. The *Contractor* shall not enter the Site until the access date shown on the Accepted Programme. The *Contractor* may enter any part of the Site earlier than the access date if given authority to do so by the *Project Manager*, provided that a formal Notice of Entry has been served.
10. The *Contractor* shall not enter the land owned by the Crown Estates within the red line boundary, as detailed in the Site Information, until October 1st, 2025. The *Contractor* may enter the land owned by the Crown Estates within the red line boundary earlier than the access date if given authority to do so by the *Project Manager*.
11. The *Contractor* shall not enter the land on the left bank of Greatham Beck within the red line boundary, as detailed in the Site Information, until October 1st, 2025. The *Contractor* may enter the land on the left bank of Greatham Beck within the red line boundary earlier than the access date if given authority to do so by the *Project Manager*.
12. The *Contractor* shall keep records of the dates of his first entry onto and departure from all property and lands of each owner and occupier (including public highways, footpaths and thoroughfares) together with the dates of the erection and removal of all temporary fencing.
13. The *Contractor* must give 7 days' notice to the *Client* to gain access to the Site during the Defects Period.

S 201 (3) Deliveries

1. AD: The *Contractor* will liaise with the *Project Manager* and the landowner when deciding on suitable times for vehicles accessing the site. The *Contractor* will liaise with the landowner when moving Others' vehicles for access should this be required.

S 201 (4) Noise and vibrations

1. AD: The *Contractor* shall comply with the Local Planning Authority's requirements for noise control as detailed in the planning approval throughout the contract.
2. The *Contractor* shall take all reasonable precautions to minimise the noise arising from their plant, vehicles and method of construction, and shall adopt the relevant recommendations of BS 5228: 2009.

S 201 (5) Working hours

1. AD: Normal working hours shall be defined as: Monday to Friday, 07:00 to 18:00 and Saturday, 08:00 to 14:00.
2. No construction plant and/or machinery shall be operated on site outside the hours of 08:00 to 18:00 during weekdays and 09:00 to 14:00 on Saturdays no at any time on a Sunday or a public holiday.

3. No deliveries or removal of materials to and from the site shall take place outside the hours of 08:00 to 18:00 during weekdays and 09:00 to 14:00 on Saturdays nor at any time on a Sunday or Public Holiday.
4. No work shall be executed outside of daylight hours (between sunrise and sunset) without the prior written acceptance of the *Project Manager* and a minimum notice period of two days is required.
5. No work shall be executed outside of these times or on weekends and public holidays without the prior written acceptance of the *Project Manager* and a minimum notice period of two days is required. Such acceptance will be influenced by the time of sunrise/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.
6. It is the responsibility of the *Contractor* to liaise with the landowner/occupier to advise the timings for access to the site.
7. Heavy goods vehicles shall only use the access route from Marsh House Lane to the tidal sluice between Monday and Friday and between 10:00 and 15:00.

S 201 (6) Parking

1. AD: The *Contractor* provides parking for Site based personnel and visitors within the site compound.
2. The *Contractor* shall ensure that a traffic management plan is produced and included in the Construction Phase Plan. It is expected that this will include as a minimum:

- (1) Parking areas within and off-site.
- (2) Access to site.
- (3) Vehicular traffic routes.
- (4) Pedestrian walkways.
- (5) Consider of parking arrangement in the design of the compound.

S 201 (7) Use of cranes

1. AD: Where the use of cranes is required the Contractor shall prepare site specific temporary works designs and RAMS in connection with the lifting operations to ensure adequate stability of the lifting equipment. In planning the lifting operations the Contractor shall refer to the Lifting Operations and Lifting Equipment Regulations 1998 (LOLER). Approved Code of Practice and guidance December 2014 (with amendments 2018). Loading and unloading activities should only be carried out by authorised personnel in compliance with LOLER requirements
2. The *Contractor* must also consider the safety of lifting operations and stability thereof using excavators, telehandlers and other lifting equipment.

S 201 (8) Restrictions on the use of hazardous materials

1. AD: Refer to the Minimum Technical Requirements.

S 201 (9) Storage of fuel and chemicals

1. AD: Refer to the Minimum Technical Requirements.
2. See Section 4.36 of the SHEWCoP, Pollution Prevention, for further *Client* requirements.

S 201 (10) Pollution, ecological and environmental impacts

1. AD: See Section 4.36 of the SHEWCoP, Pollution Prevention, Section 4.37 Water & silt management and Section 4.38 of the SHEWCoP, Biosecurity and Invasive and Non-native Species, for further minimum requirements to be complied with.
2. The *Contractor* shall work within the constraints outlined in the Environmental Action Plan (EAP), appended. The *Contractor* may negotiate alternatives to the mitigation measures with regard to harvest mice with the Principal Designer.
3. No consideration is currently made by the *Contractor* for nesting birds within the Working Area.
4. The *Contractor* produces an Invasive and Non-Native Species (INNS) Management Plan.
5. The *Contractor* shall produce a Construction Environmental Management Plan (CEMP) in line with the Ecological Impact Assessment and Environmental Action Plan issued by the Principal Designer. The CEMP shall include
 - (1) Storing fuel, hydrocarbons and contaminated water away from watercourses and sensitive habitats in bunded areas.
 - (2) Proper maintenance, including daily inspections for leaks, of construction vehicles and equipment.
 - (3) Keeping vehicles to agreed access routes and work areas, and where necessary having these routes clearly marked out.
 - (4) Implementation of silt management measures to reduce downstream impacts.
 - (5) Minimising the impacts of oil and fuel leaks through the use of appropriate storage, drip trays, provision of spill kits, daily recorded vehicle checks and the use of biodegradable oils and fuels where possible.
6. The *Contractor* shall plan and order all his activities to assist the *Client* to achieve legal compliance in the following areas:
 - (1) Avoidance of pollution of any waters.
 - (2) Avoidance of pollution of any land.
 - (3) Protection and enhancement of flora and fauna.
 - (4) Avoidance of nuisance of sounds, vibrations and dust.

7. The *Contractor* will provide the works in accordance with environmental best practice including but not limited to the following documents:

- (1) BRE – Green Guide to Specification.
- (2) BRE - Materials Information Exchange.
- (3) CIRIA, SP122 – Waste Minimisation and Recycling in Construction.
- (4) CIRIA, C513 – The Reclaimed and Recycled construction Materials Handbook.
- (5) CIRIA, C532 – Control of water pollution from construction sites.
- (6) CIRIA, C533 – Environmental Management in Construction.
- (7) DEFRA, Construction Code of Practice for the Sustainable Use of Soils on Construction Sites.

8. The *Contractor* will be provided the latest version of each of the following documents from the *Client* prior to commencing the works. The *Contractor* will comply with the following Environment Agency Guidance Documents:

- (1) PPG1: General Guide to the Prevention of Water Pollution
- (2) PPG2: Above Ground Oil Storage Tanks,
- (3) PPG5: Works in, near or liable to affect Watercourses,
- (4) PPG6: Working at Construction and Demolition Sites,
- (5) PPG21: Pollution Incident Response Planning,
- (6) PPG 23: Maintenance of Structures Over Water.

9. The *Contractor* will provide monthly environmental tool-box talks to all employees and Subcontractors and will include but not limited to:

- (1) Sensitivities of the Site including wildlife features and designated sites – specifically Otter, Seals, Common Lizard and Great Crested Newts.
 - (2) Pollution prevention
 - (3) Environmental awareness
 - (4) What to do in the event of finding bones, archaeological artefacts or protected species.
10. The *Contractor* shall provide tree protection to any trees which are to be retained during the works.
11. The *Contractor* shall conduct a pre-construction check to ensure any INNS plants (additional to the existing Himalayan Balsam) are still absent from the work site.
12. The *Contractor* shall ensure a ‘check, clean, dry’ policy is enacted for clothing and equipment upon entering or leaving the site.
13. The *Contractor* shall provide wash-down areas for vehicles leaving the site.

14. The *Contractor* shall maintain the site efficiently and clear away materials that are not in use, such as wires or bags, to mitigate risk of harm to wildlife.
15. The *Contractor* shall conduct an assessment of trees within the short section of treeline being removed to establish whether there are any new features which could be used by bats.
16. The *Contractor* is responsible for fish rescue(s) when there is a risk of stranded fish during the provision of the works. The *Contractor* will adhere to the Fish Rescue Plan produced by the *Client's* designer.
17. The *Contractor* shall produce an Asbestos Management Plan to clearly detail how known and unknown Asbestos will be managed on site. The *Contractor* shall adhere to the Asbestos Management Plan throughout the contract.
18. The *Contractor* shall remove and safely dispose of the known Asbestos-containing materials within a 20m x 5m area up to a depth of 1.5m at TR11. The Asbestos-containing materials were found in TR11, as identified in the trench locations drawing within the Site Information. Any additional Asbestos-containing materials on site will be dealt with through a Compensation Event.
19. The *Contractor* will produce a Material Management Plan through a separate contract with the *Client*. Also through the separate contract, the *Contractor* will procure the Qualified Person who will review the Material Management Plan.
20. The *Project Manager* instructs the Material Management Plan into this contract to allow its inclusion in the works.

S 201 (11) Archaeological requirements

1. AD: The *Contractor* appoints a CfIA-registered archaeologist to carry out the work set out in the Written Scheme of Investigation. The Written Scheme of Investigation includes completing archaeological excavation of a 20m length of channel where the worked timbers were found and archaeological excavation of two of the Basins (Basin B and Basin D).
2. The *Contractor* appoints the same CfIA-registered archaeologist to carry out the archaeological post-excavation assessment, analysis, report-writing and archive deposition, the methodology for which is set out in the Written Scheme of Investigation.
3. The *Contractor* appoints the same CfIA-registered archaeologist to produce a formal paper on the findings of the archaeological work which will be published in an archaeological journal, as agreed with the *Client*.
4. The *Contractor* does not complete earthworks on the historic channel until the 20m archaeological investigation is completed at the site of interest within the historic channel.

S 201 (12) Interfaces between works and existing things

1. AD: The *Contractor* takes reasonable steps not impact the outfalls from the Northumbrian Water treatment works.
2. The *Contractor* takes reasonable steps to allow for a 5m clearance from the centreline of pipe on the Northumbrian Water gravity sewer connections. Where this clearance is not possible, the *Contractor* will liaise with Northumbrian Water to agree protection measures then work within the protection measures.
3. The *Contractor* takes reasonable steps to allow for a 5m clearance from centreline of pipe to protect the Northumbrian Water foul water rising main. Where this clearance is not possible, the *Contractor* will liaise with Northumbrian Water to agree protection measures then work within the protection measures.
4. The *Contractor* takes reasonable steps to allow for a 5m clearance from centreline of Northern Gas Network's underground asset. Where this clearance is not possible, the *Contractor* will liaise with Northern Gas Network to agree protection measures then work within the protection measures.
5. The *Contractor* takes reasonable steps to allow for a 15m clearance from centreline of the underground BOC Limited Gas pipeline north of the railway line. Where this clearance is not possible, the *Contractor* will liaise with BOC Limited Gas to agree protection measures then work within the protection measures.
6. The *Contractor* takes reasonable steps to not work within 7.3m either side of the National Grid overhead wires.
7. The *Contractor* takes reasonable steps to allow for a 10m clearance from the centreline of the underground Northern Power Grid assets. Where this clearance is not possible, the *Contractor* will liaise with Northern Power Grid to agree protection measures then work within the protection measures.
8. The *Contractor* takes reasonable steps to work within the conditions of the Basic Asset Protection Agreement between the *Client* and Network Rail, which is included in the Pre-Construction Information.
9. The *Contractor* takes reasonable steps to complete the works within methodology outlined in the Form G between the *Client* and Network Rail, which is named '260249 ENV0002541C-JBA-00-00-RP-C-0001-Network_Rail_Form_G' and is included in the Site Information. The *Contractor* informs the *Client* where the methodology on site differs from the methodology outlined in the Form G.
10. The *Contractor* liaises with Sabic if any works are to be completed within 50m of Sabic's Ethylene pipeline. Any works in within this area must be agreed with the *Project Manager*.
11. The *Contractor* shall decommission and backfill the two known chambers on the site. Before doing so, the *Contractor* will make

necessary improvements to ensure the drainage routes will be maintained. Details of these chambers are included in the Pre-Construction Information.

12. The *Contractor* shall maintain the existing boardwalk at the North of the site such that the condition is at least as good as the pre-construction condition. For avoidance of doubt, the *Contractor* shall not extend the length of boardwalk without instruction from the *Project Manager*.

S 201 (13) Sustainability targets

1. AD: The *Client* has an Environmental Management System (EMS) that is certified to ISO14001:2015 standards. As part of this, the *Client* takes a full lifecycle approach to the identification and management of the significant environmental risks and opportunities in procurement activities. The *Client* requires suppliers to embrace and adopt the same approach and reduce the environmental and social impact of this framework over its full lifecycle in addition to fully realising any benefits or opportunities that may exist.
2. The *Contractor* takes reasonable precautions to ensure that any impacts identified are reduced to benefit the environment and society, and that they are not passed on to another lifecycle stage. The *Contractor* notifies the *Client* when impacts arise and they discuss how this is resolved. This includes considering and reducing those impacts that lie outside of the supplier's direct operation and impact on both the *Client* as a customer and on the *Contractor's* supply chain

S 201 (14) Liaison with third parties

1. AD: It is important to the *Client* that the *Contractor* establishes and maintains good public relations throughout the course of the contract. The *Client* and the *Contractor* shall work in close liaison with regard to consultation and partnership working must be adopted.
2. The *Contractor* shall notify the *Project Manager* of all third party requests for meetings.
3. The *Client* has not identified any hostile sites within the site boundary.

S 201 (15) Environmental Permits

1. AD: The *Contractor* obtains Flood Risk Activities Environmental Permits for all works from the Environment Agency.
2. The *Contractor* will work within the conditions of the FRAP, once granted. The *Project Manager* instructs a copy of the FRAP into the scope once received.
3. AD: The *Contractor* will work within the conditions of Marine Licence L/2024/00358/1.
4. The *Contractor* will undertake the 'licenced activities' in accordance with the methodologies outlined in Marine Licence L/2024/00358/1.
5. The *Contractor* will work within the conditions of Abstraction Licence NE/025/0001/029.

6. If changes to the methodology require amendments to environmental permits or any additional environmental permits (including but not limited to FRAP, Marine Licence and Water Resources licence), the *Contractor* will obtain the permits and will work within the conditions.

S 202 Confidentiality

1. The *Contractor* does not disclose information in connection with the *works* except when necessary to carry out their duties under the contract or their obligations under the contract
2. The *Contractor* may publicise the works only with the *Client's* written permission.

S 203 Security and protection on the site

1. AD: The *Contractor* must secure the Working Areas. The *Contractor* takes reasonable steps to make sure the works do not affect the security of Others.
2. The *Contractor* provides suitable Site security measures so that no unauthorised persons can gain access to the Site.
3. As soon as access to or use of the Site is allowed under the contract the *Contractor* shall temporary fencing to secure the Site in accordance with the Minimum Technical Requirements.
4. All Site fencing and gates shall be regularly inspected and maintained, and any damage is to be made good as soon as reasonably possible. Access shall be provided in temporary Site fencing and gates, as necessary, for the use of the occupiers and businesses of adjacent lands.
5. Temporary fencing and gates shall remain in position until the works are complete.

S 204 Security and identification of people

State any security, vetting and identification of people working on or visiting the Site.

1. AD: The *Contractor* is responsible for the security of the Site and for vehicles and pedestrians entering and leaving the Site.
2. Security measures shall include:
 - (1) taking reasonable precautions to ensure that the *Contractor's* personnel are easily identifiable.
 - (2) taking reasonable precautions to ensure that the site gates are closed after the passage of vehicles or personnel on each and every occasion. Gates are not to be left open.
 - (3) taking reasonable precautions to ensure that the Site is left properly secured at the end of each working day.

3. The *Contractor* shall take reasonable steps to ensure that the works do not compromise the security of properties within or adjacent to the Site. The *Contractor* considers the security of neighbouring properties and does not leave unattended scaffolding, ladders, or any condition, which provide or assist access to neighbouring properties. Where permanent security fencing to neighbouring properties is removed as part of the works, it is replaced by suitable temporary fencing when the Site is unoccupied.

S 205 Protection of existing structures and services

1. Any structure or service affected by the works needs to be considered for protection. Specific assets are identified below:
 - (1) AD: Northumbrian Water gravity sewer connection pipes.
 - (2) Northumbrian Water foul water rising main.
 - (3) Northern Gas Network's underground asset.
 - (4) BOC Limited Gas pipeline.
 - (5) National Grid overhead wires.
 - (6) Sabic Ethylene pipeline.
 - (7) Network Rail railway line and accompanying assets.
2. Should the *Contractor's* working method affect additional assets then it is their responsibility to plan and undertake necessary protection. ~~At protection requirements here]~~
3. AD: All consultation and liaison with utility providers, service providers and Statutory Undertakers regarding assets identified in section S205.1 above are the responsibility of the *Contractor*.
4. The *Contractor* shall confirm the location of all the services identified in the Works and Site Information. It is the *Contractor's* responsibility to report any discrepancies to the *Project Manager* prior to commencement of the works.
5. Arrange and implement, as necessary, all service diversions and protection measures required during the works with the relevant service provider.
6. Protection works shall be determined and actioned prior to undertaking any activity by the *Contractor*. Suitable method statements must be developed by the *Contractor*.
7. Underground and overhead services information is included in the Site Information and includes the following:
 - (1) Electric.
 - (2) BT.
 - (3) Water.
 - (4) Sewer.

(5) Gas.

(6) Communications.

8. All existing services are to be maintained without interruption during the works.
9. The *Contractor* shall undertake detailed in situ service investigations to confirm the locations of the statutory authority services identified in the Site Information, identify any other services that have not been identified by the statutory authorities, and identify any privately owned services within and adjacent to the Working Areas, including the accesses. The Contractor must verify that the services shown on the drawings are complete and correct.
10. The *Contractor* will keep an updated combined services drawing that is updated with confirmed service locations and uncharted services that are found during the works. This will be accessible to all Parties and be included in the Health & Safety file on handover.
11. The *Contractor* shall use reasonable endeavours to comply with the requirements apparent at the Contract Date of the relevant statutory authority when working in the vicinity of their apparatus, both for the permanent and temporary works. In addition, the HSE Guidance Notes HSG47 “Avoiding danger from underground services” and GS6 “Avoiding danger from overhead powerlines” shall be fully complied with when working in the vicinity of their apparatus. Requirements of Environment Agency Safety, Health, Environment and Welfare Code of Practice and Operational Instructions must be followed. The principles of PAS128:2014 will be followed.
12. Should any damage occur, the *Contractor* shall as soon as reasonably practicable inform the *Project Manager* and the Statutory Undertaker or owner concerned, as appropriate. The *Contractor* shall repair or replace the affected apparatus in accordance with the relevant Undertaker, Authority or owners’ requirements to the approval of the *Project Manager*.
13. The *Contractor* is responsible for works on up to 12 land drains, assuming these land drains are no larger than 225mm in diameter. This includes repairs and severance into new watercourses and channels. A general specification is included in the Typical Details drawing within Appendix 3 – Drawings and Specification.

S 206 Protection of the works

1. AD: The *Contractor* will take reasonable steps to protect the *works*, Material, Plant & Equipment liable to theft or damage by vandalism, the weather, flood or by the method used for carrying out the *works*.

S 207 Cleanliness of the roads

1. AD: Throughout the contract, the *Contractor* co-operates with the Highway Authority concerning the *works* in, or access to, the highway.

The *Contractor* informs the *Project Manager* of any requirements or arrangements made with the relevant authorities. The *Contractor* meets the requirements of any relevant planning condition.

2. Existing public highways, including footpaths, used by vehicles of the *Contractor*, their Subcontractors and suppliers will be kept clean and clear of all dirt, mud or other Materials.
3. The *Contractor* promptly removes mud and debris from the highway and public access routes.

S 208 Traffic management

1. AD: The *Contractor* shall prepare a Traffic Management Plan (TMP). Section 2.6.10 Parking of the PCI document and Section 4.31 SHEWCOP Traffic Management Plan (TMP) sets out minimum requirements. As a minimum the TMP shall consider:
 - (1) Access to site with consideration of HGV deliveries / equipment movements / removal of concrete, steelwork and silt / debris from the bed at the Tidal Sluice.
 - (2) Vehicular traffic routes around/through the site, including those required for the emergency services.
 - (3) Pedestrian routes and public rights of way and diversionary routes required upon footpath closure.
 - (4) Parking areas.
 - (5) Storage areas.
2. Where necessary the *Contractor* agrees traffic management measures to be implemented with the local Highway Authority and complies with their recommendations on access routes, site access points, signage, highway cleaning and making good any damage to the highway.
3. Access and egress arrangements for emergency services to be considered and detailed in the TMP
4. The *Contractor* will update the Traffic Management Plan to ensure the works are compliant with all planning conditions.

S 209 Condition survey

AD: Not used.

S 210 Consideration of others

1. AD: Details of all complaints, claims or warnings of intended claims received from third parties shall be notified as soon as reasonably possible to the *Project Manager*.

S 211 Control of site personnel

1. AD: Only authorised people working on the Site or expected/known visitors to the Site can enter the Site and only following the *Contractor's* Site induction. A member of the site management/supervisory team

shall escort any persons without a CSCS/CPCS/Accredex card at all times.

2. The *Contractor* is to collect data required from Personnel for the completion of the carbon calculator (e.g. travel start and finish postcodes, vehicle type).
3. The *Contractor* will maintain a visitors' book recording the date, the time in, the time out, evidence of a specific Health and Safety induction, CSCS (or equivalent) number, and the name and company of any person visiting as well as other information required for inclusion in the carbon calculator.
4. Any data collected and records that are held will follow the requirements of The General Data Protection Regulation 2016/679 (GDPR) or equivalent UK regulation.

S 212 Site cleanliness

1. AD: The *Contractor* shall keep the working areas tidy and remove rubbish, waste and surplus Materials from Site in a timely orderly manner.
2. Materials, Plant and Equipment are to be positioned, stored and stacked in a safe and orderly manner. The watercourse is also to be kept free from debris and litter.

S 213 Waste materials

1. AD: Section 2.20 SHEWCOP Waste, details the requirement for a Site Waste Management Plan (SWMP).
2. Refer to *Client's* Minimum Technical Requirements for further Management of Waste requirements.
3. The *Contractor* shall monitor the quantity of Invasive Non-Native Species materials buried on site through the works.
4. The *Contractor* maintains a forecast of the expected volume of Invasive Non-Native Species to be buried on site.
5. The *Contractor* shall notify the *Client* when the expected volume of Invasive Non-Native materials to be buried on site exceeds 900 tonnes. Then, the *Project Manager* instructs the *Contractor* on how to proceed.
6. The *Contractor* has not allowed for disposal of excavated material containing Invasive Non-Native Species off site.
7. The *Contractor* shall not dispose of Invasive Non-Native Species material offsite.

S 214 Deleterious and hazardous materials

1. AD: No hazardous material is expected to be stored on site other than standard construction material that is normally stored within secure containers on site and fuels stored in appropriate storage tanks.

2. The *Contractor* advises the *Client* in writing of any substances that it proposes to bring on the Site that fall within the 'Control of Substances Hazardous to Health' Regulations, or otherwise require special precautions to be taken. Such advice is to include copies of all relevant COSHH assessment sheets.
3. If applicable, any Hazardous material to be disposed of in accordance with relevant regulations. The requirements of 4.12 SHEWCOP, Control of Substances Hazardous to Health, (COSHH) shall also be followed.

S 215 Carbon

S 215 (1) Carbon terminology

Carbon Terminology. For clarity the below terms are definitions for required deliverables and related data and should be used in communications about carbon.

Carbon Assessment

Carbon assessments are a deliverable of the service and defined in LIT14284 and comprise:

- a) **Carbon calculations** set out in either a ERIC Carbon Modelling Tool (CMT) or Carbon Calculator (CC) file versions. ERIC CMT/CC versions for business case project stages result in overall emission figures for the project including a whole-life carbon forecast, a capital carbon forecast and a capital carbon budget. ERIC CC versions for construction result in overall figures for the project including capital carbon actuals (for construction outturn or to date) for comparison with the forecast and budget figures of earlier versions.
- b) **Carbon calculations** set out in a Carbon Impact Tool (defined in the FCRM Appraisal Guidance) for the appraisal of business case options. The Carbon Impact Tool will provide carbon benefit figures in tCO₂e and monetised Net Present Value that are required in the Business Case carbon tables and in the Partnership Funding Calculator (Economic Summary OM1a)
- c) **Carbon Appendix** that captures the results of calculations from ERIC and the Carbon Impact Tool and provides a summary of progress made in maximising carbon reduction opportunities on the project to date as well as confidence levels for further reductions by project completion.
- d) **A verification process** of the carbon assessment carried out by an EA appointed Carbon Specialist and requiring updates to the carbon calculations and Carbon Appendix as required. Verified versions of carbon assessment deliverables and their results are required to support carbon tables in the business case.

Terminology for carbon assessments:

ERIC	is a PAS 2080 Compliant assessment tool that the Client requires Contractors to use
Carbon Calculator	part of ERIC application seen abbreviated to CC
Carbon Modelling tool	part of ERIC application seen abbreviated to CMT
EA carbon specialist	the specialist employed by EA to verify carbon assessments

1. **Verified** An output of the verification process of a carbon assessment supporting either a business case or construction completion that has been conducted by an EA carbon specialist.

2. Business Case Carbon Appendix Spreadsheet to capture information required by EA for carbon assessments. This document should be updated and verified to support business cases. It should be updated and verified at the end of construction and for agreed changes during construction.

Whole-life Carbon GHG (greenhouse gas) emissions and removals calculated for a carbon assessment associated with the creation and end-of-life treatment of an asset, network or system, and including with its maintenance and refurbishment

Capital Carbon GHG (greenhouse gas) emissions calculated for a carbon assessment associated with the construction or refurbishment of an asset, network or system.

Capital Carbon Actuals capital carbon emitted during construction activities - for a defined period of time eg) capital carbon actuals to date eg) capital carbon actuals at contract completion eg) capital carbon actuals at project completion or eg) capital carbon actuals April 2022 to March 2023 At construction completion, an 'as built' version of ERIC calculations will capture outturn actuals against an asset breakdown and provide a total to compare with previous ERIC version 'forecasts'.

Capital Carbon Budget a decarbonisation benchmark of capital carbon emissions for a project based on the current project scope and based on expected levels of decarbonisation of the asset types set out in a carbon assessment. It is calculated in every version of an ERIC (CC and CMT) calculation and is based on generic asset types and associated rates of decarbonisation over future years.

Capital Carbon Forecast an estimate of capital carbon emissions from a project based on the current project scope calculated using a PAS 2080 compliant carbon assessment tool. It is calculated in every version of an ERIC (CC and CMT) calculation and used to optimise for lowest carbon through the use of emission rates provided by the EA or provided by manufacturers of products (e.g. low carbon) that are outside of the EA rates (manufacturer rates will be verified by the EA).

Carbon Reporting

- a) Reporting on **capital carbon forecasts and budgets** via FastDraft is a monthly requirement of a service for business case project stages. The reported data will be project carbon figures from the latest ERIC calculations that consultants maintain as 'work in progress' versions to support their appraisal and design deliverables.
- b) Reporting on **capital carbon actuals to date** and a latest **capital carbon forecast** for construction completion via FastDraft is a monthly requirement of a service for construction stage. The reported data will be based on evidence of embodied carbon in products supplied and construction services carried out up to the reported date and aligned to reported expenditure at the same time. See ref S216

Additional terminology for carbon reporting:

Consultant Carbon Forecast Form Carbon forecast form in FastDraft to be completed monthly as per contract Scope requirement - reporting is for Project (not contract).

FastDraft Carbon Forecast menu option in FastDraft can't be changed but add FastDraft to name in communications to distinguish from capital carbon forecast

Draft Denotes any FastDraft reported data from carbon assessments that are 'work in progress' versions maintained by the contractor and will not therefore be required to be verified by the EA.

Back Up Sheet This is the colloquial name given to a "worksheet of actual carbon and cost data" as more detailed evidence of emissions and expenditure in a reporting period. Use LIT 61271 (Lot 1 PSC) or worksheet name in Scope and Communications

Carbon Performance Measure for contracts

The capital carbon performance measure for contracts is based on the verified results of a carbon assessment related to either business case submissions for PSC contracts or completion of construction for ECC contracts. The measure sets a performance target and bands above/below this target for rates of pay out or pay back in relation to the capital carbon forecast and budget for PSC contracts and for the capital carbon actuals and capital carbon forecast for ECC contracts.

Additional terminology for carbon performance measure:

Carbon Performance is measured at completion of the contract from the results of the carbon assessment that has been produced as a deliverable of the contracted service and been verified and approved by the EA

Carbon Performance Tables where carbon performance is related to the incentivisation payout / payback bands and contract type. Applied at the time the contract signed.

ECC Carbon Target is set at a fixed % above the Capital Carbon Forecast (tCO₂e) that has been verified either at GW3, or subsequently through an approved change control. It is a fixed number not a range.

Project Carbon Payback Threshold This is the threshold at which payback to Client is paid as stated in the contract Carbon Performance tables.

1. The Contractor must aim as a strategic objective to minimise carbon.
2. The Client carbon assessment tools for calculating Capital Carbon Forecasts is ERIC Carbon Modelling Tool (CMT) or ERIC Carbon Calculator (CC).
3. The Client carbon assessment tool for calculating Capital Carbon Budget is ERIC CBUD sheet.
4. set out opportunities for further reductions in carbon before the Project completion.
10. The Verified Capital Carbon Budget and Capital Carbon will be required in the gateway (SOC/OBC/FBC) Business Case Carbon Appendix and are required for the Carbon Performance Table and measures set out in this contract.

~~AD any project specific constraints.~~

S 215 (2) Carbon responsibilities of all Parties

1. Aim to minimise carbon emissions by:
 - (1) State minimised carbon as one of the strategic objectives of the contract under S 101
 - (2) Looking at how to reduce Capital Carbon Actuals (compared to the Capital Carbon Forecast) and how to reduce Whole Life Carbon of the asset
 - (3) Work collaboratively, including with sub contractors, on lower carbon products and services that meet the project scope and deliverables
 - (4) Exploit opportunities for further reductions Carbon during construction.
 - (5) The ECC Carbon Target (Verified Capital Carbon Forecast at GW3) is the metric against which decarbonisation is measured and assessed against Payout / Payback bands set out in the ECC Carbon Performance Table at Contract Completion
 - (6) Exploit the most likely opportunities for further reductions to the Agreed Capital Carbon Forecast during construction.

S 215 (3) Carbon Responsibilities of the *Client*

1. Has a corporate and publicly declared target to reach net zero by 2030.
2. Will ensure FastDraft Carbon Forecast (*Contractor* Carbon Forecast Form) is submitted monthly and Verified at the appropriate times.
3. Will Establish the ECC Carbon Target and share with the *Contractor*.
4. It is at the *Client*' discretion to decide if Scope change is significant and merits a re-assessment of the ECC Carbon Target.
5. Will consider *Contractor* request(s) to re-assess the ECC Carbon Target in reference to S 215 (3) 3.
6. On accepting a request to re-assess the ECC Carbon Target the *Client* will require the *Contractor* to provide 'updated' versions of the Carbon Appendix and ERIC and on provision of that, will work with the EA Carbon Specialist to obtain verification and provide a new ECC Carbon Target.
7. *ECC PM* and *Client* will monitor and be informed of decarbonisation progress by comparing Fast Draft Carbon Forecast to the Verified Capital Carbon Forecast
8. The *Client* may require actions from Delivery Partner to mitigate significant variances between Fast Draft Carbon Forecast and Verified Capital Carbon Forecast.

S 215 (4) Carbon responsibilities of the ECC PM / Contract manager

1. Will work with EA Carbon Specialist to ensure Business Case Carbon Appendix Verification occurs at the appropriate times.

2. Will calculate PayOut/ PayBack at Completion of the Contract using the values from the ECC Carbon Performance Table in effect at the time the contract was signed utilising the 'CDF legacy & Current Contract incentivisation Calculator '
3. This calculation is to be done in parallel to (and not in series with) CDF incentivisation Pain / Gain calculations.
4. Will instruct any applicable pay-out earned through CDF decarbonisation performance after contract completion and after the Business Case Carbon Appendix has been Verified

S 215 (5) Carbon responsibilities of the *Contractor*

1. the *Contractor* should ensure they are aware of current Carbon Assessment made by the Lot 1 *Consultants*
2. Accept the ECC Carbon Target or request a re-calculation of the ECC Carbon Target
3. Cooperate in updating the Business Case Carbon Appendix and ERIC tools when requested to by the *Client* or ECC PM for
 - (1) agreed re-calculation of ECC Carbon Target
 - (2) if additional information is needed during the Verification process
 - (3) at Completion.
4. Save Business Case Carbon Appendix and ERIC outputs in ASite
5. Submit monthly the FastDraft Carbon Forecast (*Contractor* Carbon Forecast Form). Reporting
 - (1) ECC Carbon Target
 - (2) Capital Carbon Forecast
 - (3) Capital Carbon Actuals to date

S 216 **BREEAM Requirements**

1. AD: The *Contractor* will complete the BREEAM construction only stage assessment, in line with the provided BREEAM scoping note (Appendix 4), based on the BREEAM V6 Technical Manual requirements. For these Services, 10 assessment issues have been scoped in.
2. The *Contractor* shall provide a qualified BREEAM assessor and scope the individual criteria within the assessment issues identified for agreement with the *Client*.
3. The *Contractor* shall set up and undertake the assessment and evidence-gathering throughout the Services, using the BREEAM online tool via BREEAM Projects. The *Contractor* shall ensure that all of the evidence is uploaded within 1 month of completion of the Services.

4. The *Contractor* shall support the *Client* with scope submission to BRE as well as provide supporting information to the *Client* when handling verifier consultation.
5. The sustainability (BREEAM) lead is an integrated member of the project team attending progress meetings, key project workshops including but not limited to design and risk as required providing an update against BREEAM targets and championing sustainability across the project team.
6. The *Contractor* shall provide all evidence to the *Client* upon request, to enable programme-level external verification.

S 217 Reporting Requirements

S 217 (1) Monthly Reporting

1. For the duration of the contract FastDraft Carbon Forecast (*Contractor* Carbon Forecast Form) is to be submitted monthly. Reporting is a Contract level on
 - (1) ECC Carbon Target
 - (2) Capital Carbon Forecast
 - (3) Capital Carbon Actuals to date
2. For the duration of the contract, progress is to be reported monthly via [LIT 13283 - Monthly work progress summary - construction stage.docx](#)
 1. [\[add any additional monthly reporting\]](#)

S 217 (2) Aligned Cost and Carbon Data Pilot Reporting

1. This Project requires that the [LIT 61272 'Worksheet of actual carbon cost data'](#) is currently paused on all monthly Applications for Payment in FastDraft. This may be restarted during the life of the contract.

S 217 (3) Carbon reporting at Project delivery stages (including Completion)

1. The *Contractor* must
 - (1) Report the Capital Carbon Actuals (tCO₂e emissions) against the ECC Carbon Target, along with reporting any further reductions in an 'As Built' Business Case Carbon Appendix supported by updated ERIC data
 - (2) Both 'As Built' Business Case Carbon Appendix and ERIC data is to be saved in ASite.
 - (3) Set out any reasons for Capital Carbon Actuals at Completion being above/below the Verified ECC Carbon Target
 - (4) Engage with EA Carbon specialist during the verification process and be prepared to perform updates to Business Case Carbon Appendix and supporting ERIC data if requested to do so either by the Client ECC PM or EA Carbon Specialist, in order to achieve a Verified Capital Carbon Actuals at Completion.

2. The ECC PM in conjunction with the *Client*

- (1) Must engage with the EA Carbon Specialist to have the capital Carbon Actuals at Completion and the Business Case Carbon Appendix and the updated Capital Carbon Forecast reviewed, resulting in a Verified Capital Carbon Actuals at Completion and a Verified Business Case Carbon Appendix.
- (2) Must not issue the Completion Certificate before the Capital Carbon Actuals, Capital Carbon Forecast and Business Case Carbon Appendix have been saved in ASite and Verified by EA Carbon Specialist.
- (3) If the verification process requires additional actions for the *Contractor* these must be communicated to the *Contractor* through the contract management system: FastDraft
- (4) Will use the Verified Capital Carbon Actuals and Verified Capital Carbon Forecast to measure performance on decarbonisation, as set out in the decarbonisation methodology and ECC Performance table, to assess the *PayOut / PayBack* enacted through Z120 of the contract.
- (5) Instruct the value of any pay out or pay back from the relevant party

S 300 Contractor's design

S 301 Design responsibility

1. Clause 21.1
- ~~2. Design Liability of the Contractor is fit for purpose.~~
3. AD: *The Contractor's design responsibility is limited to the design of the Equipment required to safely deliver the project. The following sections relate to Equipment / Temporary works to be designed by the Contractor.*

S 302 Design submission procedure

1. Clause 21.2 as above
2. AD: *The Contractor is required to submit details of the Equipment design for the temporary working arrangements for the removal of the Tidal Barrage and lifting operations from within the proposed compound area.*
3. *The design submission procedures proposed for the Equipment is to be included in the Construction Phase Plan. SHEWCOP Section 4.23 Temporary Works and Section 4.24 Temporary works design provide further guidance on Temporary Works and Client's requirements.*
4. *The Contractor shall submit the details of the Equipment proposed at least 4 weeks in advance of the programmed works to allow time for*

consultation and approvals with Others, including the *Client's* CDM advisor.

S 303 Design approval from Others

1. ~~Clause 27.1 State any requirements for design check and approval by Others.~~
2. AD: The Equipment design shall meet the requirements of the Flood Risk Activity Permit.
3. The Equipment design shall meet the requirements of the Planning Permission issued by Hartlepool Borough Council.
4. The Equipment design shall meet the requirements of the Marine Licence agreed with the Marine Management Organisation.

S 304 *Client's* requirements

AD: Not used.

S 304 (1) Specifications, including reference to relevant standards

1. ~~[insert design specifications here]~~

S 304 (2) Design standards and codes of practice

2. ~~[insert design standards here]~~

S 305 Design co-ordination

1. AD: In preparing the design of Equipment the *Contractor* shall ensure Co-ordination with the Principal Designer.

S 306 Requirements of Others

1. AD: The *Contractor* is responsible for obtaining and satisfying any necessary local authority requirements and shall have their approval prior to submission of designs.

S 307 Copyright / licence

AD: Not used.

S 308 Access to information following completion

AD: Not used.

S 309 Site investigation

AD: Not used.

- ~~(1) The Contractor obtains soils information as necessary for the design of the works. The Contractor specifies, procures, manages and undertakes site investigations to inform the detailed design of the works and to manage their risk of unforeseen ground conditions during construction. The Contractor undertakes~~

laboratory testing of samples, and longer term monitoring of site conditions as required. This supplements the information provided in the Site Information.

- (2) ~~The Contractor~~ liaises with all historic environment stakeholders as required in MTR Environmental and Sustainability standards to ensure that the heritage and archaeological risks are identified and appropriately managed. The ~~Contractor~~ obtains all necessary consents and approvals, including from the Environment Agency (NEAS)
- (3) ~~The Contractor~~ provides the ~~Project Manager~~ with the final Factual Report of the investigation in digital format.
- (4) ~~The Contractor~~ reviews and analyses the data within the Factual Report and prepares an Interpretative Report to support their detailed design. The ~~Contractor~~ provides the ~~Project Manager~~ with the final Interpretative Report in digital format.
- (5) ~~The Contractor~~ informs the ~~Project Manager~~ of the proposed works a minimum two weeks before the investigation is undertaken and complies with the Access to the Site conditions.

S 400 Completion

S 401 Completion definition

1. The following are an absolute requirement for Completion to be certified, without these items the *Client* is unable to use the *works*:
 - (1) Health and Safety File one hard copy and one electronic version. ~~Adjust this to Provide all information to the Principal Designer, if the Principal Designer is compiling the Health and Safety File~~
 - (2) Operating and Maintenance Manuals one hard copy and one electronic version.
 - (3) As Built Drawings one hard copy and one electronic version
 - (4) Verification of the Carbon Assessment supported by the *Client's* latest version of the Carbon Appendix and Cost and Carbon Tool , or its successor.
 - (5) As Built Carbon Appendix Delivery of the Final Carbon Appendix, this is to be saved into ASite.
 - (6) Carbon Assessment Delivery of the Carbon Assessment, this is to be saved into ASite
 - (7) ~~Verification~~ Submission of Carbon Assessment and Carbon Appendix by *Contractor*.
 - (8) BIM Data Transferred to the *Client* databases of BIM data
 - (9) Clause 11.2(2) Work to be done by the Completion Date.
 - (10) BREEAM The *Contractor* shall have completed the BREEAM process including provision of all evidence onto the BREEAM online tool prior to contract completion.
2. AD: The Contractor is permitted to carry out the following Works after whole Completion of the Works:
 - (1) Landscaping works (grass seeding, planting of hedgerow and reeds) which is seasonally dependant and cannot be completed due to weather conditions or time of year. The Contractor would still be required to complete the landscaping works.

S 402 Sectional Completion definition

AD: Not used.

- ~~S 402 (1) Work to be done for [each Sectional Completion]~~
- ~~1. [add Work to be done for each Sectional Completion here]~~
- ~~S 402 (2) Sectional Completion Requirements~~
- ~~2. The following are absolute requirement for Sectional Completion to be certified, without these items the *Client* is unable to use the *works*:~~

- ~~(1) BIM data~~ — ~~Transfer to the *Client* databases of BIM data~~
- ~~(2) Carbon~~ — ~~Delivery of the carbon differentials between alternative design solution options at appraisal stage (if appraisal, design and build)~~
- ~~(3) Carbon~~ — ~~Delivery of carbon considerations in appraisal, design and build~~
- ~~(4) Carbon~~ — ~~Completion and Delivery of Carbon optimisation report at Gateway 3 (if design and build)~~

S 403 Training

AD: Not used.

S 404 Final clean

1. AD: On Completion of the works, the *Contractor* returns the roads and any other affected existing works to a condition not inferior to that at the commencement of the works using the pre-condition survey for comparison purposes. This includes but is not limited to the walls, fences and gates of the surrounding properties and the track running from Marsh House Lane to the tidal sluice. All debris, unused materials, Equipment, and temporary works are to be cleared and dismantled from the site.

S 405 Security

AD: Not used.

S 406 Correcting Defects

1. AD: During the Defects period the *Contractor* will be required to liaise with the *Client* to arrange when work is to be undertaken.
2. The *Contractor* will be required to prepare Risk Assessments and Method Statements when correcting defects and also liaise with Others as may be required including statutory undertakers.
3. Non-critical Defects and Critical Defects shall be corrected in the timescales specified in Contract Data Pt1.

S 407 Pre-Completion arrangements

1. Prior to any *works* being offered for take over or Completion the *Contractor* shall arrange a joint inspection with the *Supervisor, Project Manager, Client* (scheme Project Manager) and Senior User. The initial inspection shall take place a minimum of three weeks in advance of the planned take over or Completion.

S 408 Take over

1. AD: The *Client* does not require to use the works or parts of the works prior to *Completion*.

S 500 Programme

S 501 Programme requirements

1. The programme complies with the requirements of Clause 31.2 and includes alignment and submission of the BIM Execution Plan (BEP) and Master Information Delivery Plan (MIDP).
2. AD: The programme shall cover the activities to be undertaken by the *Contractor* and other members of the project team including all subconsultants. This shall include all major project milestones.

S 502 Programme arrangement

1. AD: The programme is to be produced in an electronic format in current Microsoft Project (*.mpp) and *.pdf formats.
2. The *Contractor* shall submit their programme for acceptance to the *Client*. It shall clearly identify those activities forming the critical path.
3. The *Contractor* shall submit *.pdfs for four separate filters – full programme (no filters), incomplete tasks (completion more than 0%, less than 100%), critical path (0 days float), subcritical path (less than 20 days float).
4. The *Contractor* shall include the following data in issued programmes:

(1) Activity ID

(2) Activity Name

(3) Start Date

(4) Finish Date

(5) Total Float

(6) Predecessor/s

(7) Successor/s

(8) Variance between issued programme and previous programme

5. A baseline programme shall be provided by the *Contractor* and will be updated monthly for progress meetings with actual and forecast progress against the baseline in line with Clause 32.
- 6.

S 503 Methodology statement

AD: Not used.

S 504 Work of the *Client* and Others

1. AD: The *Client* has no planned works within the site boundary or relating to the assets to be decommissioned.

S 505 Information required

S 505 (1) AD: The *Contractor* will develop the programme to incorporate:

- (1) The critical path, shown in red.
- (2) Dates when notices of entry are to be submitted to the Project Manager for action.
- (3) All highway and footpath closures notice periods.
- (4) Appropriate review and consultation periods.
- (5) Significant temporary works, if applicable.
- (6) Project handover documentation.

S 506 Revised programme

1. AD: The *Contractor* shall arrange for programme review meetings with the *Project Manager* and *Supervisor* on monthly basis following the submission of their revised programme for acceptance.

S 507 Monthly reports

1. In managing the *works* the *Contractor* shall
 - (1) Contribute monthly updates to the project risk register.
 - (2) Provide input to project efficiency CERT Form.
 - (3) Produce monthly financial updates and forecasts meeting the *Client's* project reporting timetable together with progress reports. Monthly financial updates and forecasts to meet EA deadlines provided by no later than the 10th day of each month, or otherwise agreed at the project start up meeting.
 - (4) Deliver a monthly progress report in the *Client's* standard template giving progress against programme, deliverables received and expected, financial summary against programme and forecast project carbon. Construction Monthly Report The *Contractor* is required to provide a monthly report on progress in the following format:

[Highlight progress report for consultancy appointments](#)

[Monthly progress reports for construction contracts](#)

- (5) Commission capital forecast profile to be entered on FastDraft monthly & Project forecast outturn project carbon profile to be entered onto FastDraft monthly. The *Contractor* is required to provide a monthly forecast on FastDraft for both carbon and cost in accordance with FHU
- (6) [Framework Heads Up 244 Commercial Clarification 54](#)
- (7) [Framework Heads Up 256 Commercial Clarification 57](#)
- (8) Attend project board meetings as required.
- (9) Ensure quarterly input into framework performance assessment / environmental Performance Measures.

- (10) Maintain and show how accurate and up to date information on the whole-life cost and carbon of options is driving optimum solutions at all stages of design development.
- (11) Capture lessons learnt relevant to scheme delivery for the *Client*.

S 600 Quality assurance

S 601 Samples

1. AD: The *Contractor* shall take Samples in accordance with the specifications referenced in the contract Minimum Technical Requirements and all relevant referenced Operational Instructions and documents.
2. The *Contractor* shall take Samples in accordance with any requirements determined through the planning permission process or to discharge planning conditions.
3. Submissions and acceptance shall be via the *Project Manager*.

S 602 Quality statement

1. AD: The *Contractor* shall submit a Quality Statement clearly setting out quality commitments for the Contracting organisation.

S 603 Quality management system

1. AD: Unless agreed otherwise with the *Client*, the *Contractor* shall operate a Quality Management System complying with BS EN ISO 9001. The *Contractor* shall describe the Quality Management System that it intends to operate for the implementation for this scheme in a site specific Quality Plan.
2. The *Contractor* shall comply with all quality procedures associated with delivering the works. The *Contractor* shall also provide the following information specific to the works:

(1) Quality procedure for dealing with non-conformance.

(2) Quality procedure for dealing with defects.

3. Unless agreed otherwise with the *Client*, the *Contractor* shall ensure an Environmental Management System (EMS) is in place for this contract. This EMS is to comply with the spirit of ISO 14001 although accreditation is not mandatory.
4. The *Contractor* will be required to submit its complete general quality plan (*Contractor's* Quality Plan) to the *Project Manager* for acceptance within two weeks of the starting date, or at least two weeks before any permanent work commences, whichever is the sooner.
5. Detailed quality plans for each key item of work as agreed with the *Project Manager*, must be submitted to the *Project Manager* for acceptance at least one week before that work is due to commence.

S 604 BIM requirements

1. The BIM Information Manager is the *Client* Project Manager.
2. AD: The *Contractor* will follow the latest version of the Environment Agency's Employers Information Requirements.

S 700 Test and inspections

S 701 Tests and inspections

1. AD: Refer to the Environment Agency's Minimum Technical Requirements (MTR) documents.
2. The *Contractor* will produce a schedule of inspections and tests. The schedule of tests and inspections must take reasonable steps to ensure the constructed works meet the requirements of the design and specification and the *Client's* MTR.
3. The schedule of tests and inspections will include:
 - (1) Objective, procedure and standards to be used,
 - (2) When they are to be done,
 - (3) Where they are to be done,
 - (4) Information or instructions required to be provided,
 - (5) Materials, facilities and samples to be provided,
 - (6) Involvement of specialists,
4. The *Contractor* produces an inspection and test plan for the works two weeks prior to commencement of each respective construction activity, where the *Contractor* requires an inspection or test. The Inspection and Test Plans will include:
 - (1) What is to be tested
 - (2) Testing and inspection method,
 - (3) Where they are to be done
 - (4) Who does the tests, and who is in attendance,
 - (5) The Equipment required and who provides it,
 - (6) Access arrangements,
 - (7) Acceptable results and deviations,
 - (8) Test environment,
 - (9) Documents to be provided before and after the test,
 - (10) Whether or not authorisation to proceed to the next stage of the work depends on the test results.

S 702 Management of tests and inspections

1. AD: Within 4 weeks of the *starting date* the *Contractor* shall submit their test and inspection plan.
2. Within two weeks of the *Contractor* submitting his inspection and test plan, the *Project Manager* either accepts the inspection and test plan or notifies the *Contractor* of reasons for not accepting it.

S 703 Covering up completed work

1. AD: No operation shall be carried out or covered up without full and complete notice being given to the *Supervisor* by the *Contractor* in time to enable the *Supervisor* to make such arrangements as they deems necessary for inspection and checking.

S 704 Supervisor's procedures for inspections and watching tests

1. AD: The *Contractor* is to formally submit an Inspection Request Form to the *Supervisor* providing him with 48 hours' notice to witness a test or inspection as required by the accepted inspection & test plan for each activity. If the *Supervisor* is unable to witness the inspection or test by no fault of the *Contractor* then he will notify the *Contractor* and suitable photographic and/or video evidence will be provided to the *Supervisor* by the *Contractor*.
2. The Works Information provided by the *Contractor* will detail the requirements for which tests and inspections need to be witnessed by the *Supervisor*. This will be done in collaboration with the *Client*, *Project Manager* and *Supervisor*.

S 800 Management of the *works*

S 801 Project Teams – others

1. AD: The *Client*, *Project Manager*, *Supervisor* and *Contractor* are identified in the Contract Data.
2. The Principal Designer for the Pre-Construction Phase extending into the Construction Phase is JBA Consulting.
3. The CDM Advisor for the Pre-Construction Phase extending into the Construction Phase is CallSafe.

S 802 Communications

S 802 (1) Meetings

- (1) AD: The *Contractor* shall attend monthly progress meetings that are chaired by the *Client* and held virtually, unless communicated otherwise.

S 802 (2) Reporting

- (1) AD: For the *meeting*, the *Contractor* will produce a progress report in advance.

S 802 (3) Latest Contract Management system and

- (1) AD: The *Contractor* will manage the contract through FastDraft.

S 802 (4) Use of standards forms on our Contract Management system and templates

S 802 (5) Terminology and abbreviations

S 900 **Working with the *Client* and Others**

S 901 **Sharing the working areas with the *Client* and Others**

1. AD: If the *Client* or Others are to undertake activities on the Site between the *access date* and *Completion*, other than that stated elsewhere in this Works Information, the *Project Manager* will notify the *Contractor* two weeks before. The *Contractor* will provide access.
2. The *Contractor* will allow access to the *Client's* operations team at any time to deal with emergencies or flood risk. All personnel accessing Site will need to have received the *Contractor's* Site induction prior to entering Site and the *Contractor's* Site rules must be followed. A shared locking system will be instigated on all relevant security gates and the Site will be left secure by the *Client* on completion.
3. The *Contractor* will provide access to Northern Gas Network to allow the installation of testing posts above the pipeline.

S 902 **Co-operation**

1. AD: The *Contractor* will provide technical support to the *Client* and the *Project Manager*.
2. The *Contractor* will contribute to a project Lessons Learnt Log.
3. The *Contractor* will co-operate with affected residents and businesses as necessary to enable efficient execution of the works with minimal disturbance to the local community.
4. The *Contractor* shall refer to the land ownership information provided in the Site Information as required.
5. The *Contractor* shall refer to the local authority as required.
6. The *Contractor* shall liaise with the Marine Management Organisation, as required.

S 903 **Co-Ordination**

1. The list of affected parties requiring co-ordination are:
 - (1) AD: Public Rights of Way Officer.
 - (2) Highways Authority.
 - (3) Police and Emergency Services.
 - (4) Landowner/s.
 - (5) Affected stakeholders.
2. Should the *Contractor's* working method alter the list of parties requiring co-ordinating, it is the *Contractor's* responsibility to undertake this activity without the need for additional instruction.

S 904 Authorities and utility providers

1. AD: The *Contractor* shall be responsible for arranging and managing all of the appropriate Highway Authority consents and closures that may be required. The *Contractor* is responsible for previously negotiated consents and closures and any notification or variations required.
2. The *Contractor* shall be responsible for arranging and managing all of the works by utility providers to enable service connections necessary to Provide the Works. Payment for any such service diversions are to be made by the *Client*.

S 905 Diversity and working with the *Client*, Others and the public

S 905 (1) AD: The *Contractor* is expected to:

- (1) Use local employment and local training initiatives where appropriate and practicable;
- (2) Look for opportunities to enhance community benefits;
- (3) Encourage a diverse supply base that includes local Small and Medium Enterprises, social enterprises and the Voluntary in the Community Sector;
- (4) Develop and integrate modern apprenticeship opportunities and encourage the consideration of diversity and equality in our decisions. Demonstrate compliance with the Equality Act 2010 through the work delivered. Projects and community engagement should be inclusive and accessible for all. The Environment Agency “Access for All Design Guidance” is available to support this approach;
- (5) Adopt a policy of equal opportunities to encourage a diverse workforce;
- (6) Offer training and development to all staff, including the Client to meet individual, project and company needs.
- (7) Attend the local primary school to engage the local community in safe practices around construction sites and encourage construction and STEM careers.

S 1000 Services and other things to be provided

S 1001 Services and other things for the use of the *Client*, Project Manager or Others to be provided by the *Contractor*

1. **AD:** The *Contractor* shall provide and maintain a supply of protective clothing required for accessing the Site for use by the *Project Manager's* staff and visitors.
2. The *Contractor* shall provide 1 desk space in their Site cabins for the *Project Manager*.
3. The *Contractor* shall provide 1 desk space in their Site cabins for the *Supervisor*.
4. The *Contractor* shall provide meeting room facilities for up to 10 people in their Site cabins.
5. The *Contractor* shall provide regular maintenance for the welfare facilities.
6. The *Contractor* shall be responsible for the removal of foul sewage from the welfare facility.
7. The *Contractor* shall allow access to all design offices, head offices, Site, workshops, manufacturing premises, etc. for the *Project Manager*, *Supervisor*, and the agents of the *Client* that are involved in the works.
8. The *Contractor* procures the Met Office Downtime Report for Billingham each calendar month within 1 week of being published.
9. The *Contractor* measures water level in Greatham Beck throughout the contract such that there is clear evidence if the water level exceeds 3.05m AOD. This is to be completed using a camera which records video evidence of Greatham Beck at the bridge structure close the what3words reference - [///statue.boring.pies](#). The *Contractor* will clearly mark the bridge structure at 3.05m AOD so that the camera footage demonstrates any exceedance of the agreed water level.
10. During the decommissioning of the tidal sluice, the *Contractor* measures the water level downstream of the tidal sluice such that there is clear evidence if the water level exceeds 3.05m AOD.

S 1002 Services and other things to be provided by the *Client*

1. **AD:** The *Client* issues statutory Notices of Entry for all private land within the Site at least seven days before the possession dates and liaison with landowners.

S 1100 Health and safety

S 1101 Health and safety requirements

1. AD: The *Contractor* will act in compliance with SHEWCOP.
2. The *Contractor* will act in compliance with the *Client's* safety requirements, as detailed in the Pre-Construction Information document and as developed in in the *Contractor's* Construction Phase plan, for the duration of the works.

S 1102 Method statements

1. AD: The *Contractor* will provide risk assessments and method statements that will meet the dual requirements of the CDM Regulations and the requirements of the provisions of the Contract.
2. The *Contractor* must ensure that risk assessments and method statements are approved within its own organisation before any submission to the *Client*.
3. The *Contractor* must ensure that risk assessments and method statements are prepared, approved and submitted to the *Client*. For activities that represent a significant risk and more complex work, the timing and sequence of construction to be detailed including the use and design of Equipment/temporary works, materials, proposed by the *Contractor*. As a minimum this will include the following key components:

(1) Earthworks.

(2) Deconstruction and removal of the tidal sluice structure.

S 1103 Legal requirements

1. AD: The Client duties under the CDM Regulations shall be undertaken by the *Client*.
2. The Principal Contractor duties under the CDM Regulations shall be undertaken by the *Contractor*.
3. The Principal Designer for the Pre-Construction Phase extending into the Construction Phase shall be undertaken by JBA Consulting.

S 1104 Inspections

1. AD: The *Client* may inspect the *Contractor's* compliance with the *Client's* and/or *Contractor's* safety, health and environment requirements and procedures. The inspection may be unannounced.
2. The Principal Designer will undertake regular checks on the *Contractor's* Health and Safety procedures. Including record of Site Inductions, toolbox talks and certifications of PPE. The *Contractor* shall make available within two working days all relevant requested information pertaining this contract for inspection.

S 1200 Subcontracting

The *Contractor* may subcontract work using an NEC contract.

S 1201 Restrictions or requirements for sub contracting

S 1201 (1) AD: No additional requirements.

S 1202 Acceptance procedure

S 1202 (1) AD: No project specific submission or acceptance procedures.

S 1203 Procurement of subcontractors

2. Sub-contractors need to be selected using best value processes.
3. This requires the *Contractor/* Consultant to demonstrate that they have made reasonable attempts to obtain three competitive tenders for all work in excess of £25,000.
4. The only exception to this is work which has been accepted (in writing) by the hub Commercial Services Manager for strategic suppliers or for emergency work.

S 1300 Title

S 1301 Marking

S 1301 (1) AD: No additional requirements.

S 1302 Materials form excavation and demolition

S 1302 (1) AD: The *Contractor* has title to materials from excavation and demolition of the tidal sluice structure following their removal.

S 1302 (2) The *Contractor* shall maximise opportunities for the re-use and recycling of the above excavation and demolition materials.

S 1302 (3) The *Contractor* is responsible for the removal and appropriate disposal of all waste from the Working Areas, in accordance with the Site Waste Management Plan and Works Information.

S 1400 Acceptance or procurement procedure (Options C, D, E and F)

AD: Not used.

S 1500 Accounts and Records (Options C,D, E and F)

5. ~~[Detail any records to be kept by the *Contractor*, in addition to those listed in subclause 52.2, here.]~~

S 1501 Additional Records

1. AD: The *Contractor* is to keep additional records. This may include but not be limited the following:
 - (1) Timesheets and site allocation sheets,
 - (2) Equipment records,
 - (3) Forecasts of the total Defined Cost, (Forecasts are to include, but not be limited to costs to date, costs to completion including detailed breakdown of staff, sub-contract and major material items)
 - (4) Specific procurement and cost reports.
2. The format and presentation of records to be kept are to be accepted by the Project Manager.

S 1502 Application for Payment / Invoice

1. The *Contractor* is required to be able to provide evidence of costs in the following format:
[LIT 61272 Worksheet Actual Carbon and Cost data CDF Lot 2](#)
2. This is paused, but may restart during the life of the contract.

S 1502 (1) Appropriate Sheets

3. Where the Contract is:
 - a. included in the Pilot the *Contractor* needs to complete the required sheets of the version being used at that time up to April 2024.
 - b. ALL contracts the *Contractor* needs to complete the required sheets of the version being used at that time from April 2024.
4. FastDraft Carbon Forecast (Monthly Reporting) provided via *Contractor* Carbon Forecast Form in FastDraft
5. The *Contractor* Carbon Forecast Report must contain
 - (1) Capital Carbon Actuals to date,
 - (2) (latest) Capital Carbon Forecast (based on actuals and remaining emissions to outturn) and
 - (3) (Latest) ECC Carbon Target
6. The *Contractor* Carbon Forecast Report may be supported by details of actual emissions to date against an agreed breakdown of asset/service/product lines taken from the (latest) Verified Capital Carbon Forecast.

S 1600 Parent Company guarantee (Option X4)

AD: Not used.

S 1700 Performance Bond (only applicable to with X13)

AD: Not used.

S 1800 Advanced Payment Bond (only applicable with X14)

AD: Not used.

S 1900 Low Performance Damages (only applicable with X17)

AD: Not used.

S 2000 *Client's work specifications and drawings*

S 2001 *Client's work specification*

1. AD: The technical specification is included in Appendix 3 – Drawings and Specification.
2. The *Contractor* is to construct the works in accordance with the *Client's* Minimum Technical Requirements as referenced in the table of 'Documents included in Scope by reference'.

S 2002 *Drawings and Model*

1. AD:

Drawing Name	Drawing Number	Drawing Title	Status	Rev.
Site Access General Arrangement	1000	ENV0002541C-JBA-SW-00-DR-C-1000-A5-C01-Site_Access_General_Arrangement	A5	C01
Site Clearance Plan	1150	ENV0002541C-JBA-SW-00-DR-C-1150-A5-C04-Site_Clearance_Plan	A5	C04
Proposed General Arrangements with Contours	2000	ENV0002541C-JBA-SW-00-DR-C-2000-A5-C08-Proposed_General_Arrangement_with_Contours	A5	C08
Public Right of Way and Temporary Diversions	2002	ENV0002541C-JBA-SW-00-DR-C-2002-A5-C02-Public_Right_of_Way_Permanenr_and_Temporary_Diversions	A5	C02
Proposed Earthworks Analysis CutFill Banding	2003	ENV0002541C-JBA-SW-00-DR-C-2003-A5-C07-Proposed_Earthworks_Analysis_CutFill_Banding	A5	C07
Longsections Section A-A	2010	ENV0002541C-JBA-SW-00-DR-C-2010-A5-C02-Longsections-Section A-A	A5	C02
Longsections Section B-B	2012	ENV0002541C-JBA-SW-00-DR-C-2012-A5-C02-Longsections-Section B-B	A5	C02
Longsections Section C-C	2013	ENV0002541C-JBA-SW-00-DR-C-2013-A5-C02-Longsections-Section C-C	A5	C02
Longsections Section D-D	2014	ENV0002541C-JBA-SW-00-DR-C-2014-A5-C02-Longsections-Section D-D	A5	C02
Stockpile and Network Sections	2020	ENV0002541C-JBA-SW-00-DR-C-2020-A5-C01-Stockpile_and_Network_Sections	A5	C01

Typical Details	2050	ENV0002541C-JBA-SW-00-DR-C-2050-A5-C03-Typical_Details	A5	C03
NGN Main Route Through Tidal Area	3006	ENV0002541C-JBA-SW-00-C-DR-3006-A5-C01-NGN_Main_Route_Through_Tidal_Area	A5	C01
Specification	0100	ENV0002541C-JBA-00-HD00-SP-C-0100-A5-C01-Specification	A5	C01

The *Contractor* complies with the earthworks model in Appendix 3, titled 'ENV0002541C-JBA-SW-00-M3-C-2000-Earthworks_Model v7'.

S 2003 Standards the *Contractor* will comply with

1. The *Contractor* should carry out their work using the following additional guidance, beyond guidance that should be followed for all CDF Framework call off contracts listed in "Documents included in the Scope by Reference".

Ref	Report Name	Where used
[add ref #]	Sustainability Measures Form	
[add all that apply to your contract in this table]	Timber Policy Documents	
	300_10 SHE handbook for managing capital projects	
	300_10_SD27 SHEW Code of Practice	
LIT 61272	CDF Lot 2 Worksheet actual cost and carbon data CDF Lot 2	Cost and Carbon when taking part in ACCD Pilot and or roll out
	Project Cost and Carbon Tool	
	BREEAM V6 Technical Manual requirements	

S 2004 Appendix with additional standards the *Contractor* will comply with

1. ~~The *Contractor* should carry out their work using the following guidance.~~
AD: Not used.

S 2005 Appendix with additional standards the *Contractor* will comply with

2. ~~The *Contractor* should carry out their work using the following guidance.~~

AD: Not used.

- Appendix 1 ~~BIM Protocol~~ ~~Production and Delivery Table~~ Information Delivery Plan
- Appendix 2 ~~BIM Protocol~~ ~~Employers Information requirements~~ Environmental Action Plan
- Appendix 3 Drawings and Specification
- Appendix 4 BREEAM Scoping Note
- Appendix 5 Written Scope of Investigation

Appendix 1 – Information Delivery Plan (IDP)

The *Contractor* shall adhere to the Environment Agency's Exchange Information Requirements (EIR) framework level minimum technical requirements.

All *Client* issued information referenced within the Information Delivery Plan (IDP) requires verifying by the *Contractor* unless it is referenced elsewhere within the Scope.

The *Contractor* shall register for an Asite Account and request access to the project workspace to view the IDP and update to create the MIDP.

Guidance on the IDP can be found [here](#)

Create the IDP on Asite and embed a PDF version as Appendix 1.

<https://www.asite.com/login-home>

Appendix 2—Visualisation scope

~~Guidance on visualisation can be found [here](#)~~

~~A tool to aide in the identification and scoping of visualisation can be found in knowledge management <https://adoddleak.asite.com/lnk/5A95rLxSkL7gEpunXgb>. Create a scope of visualisation requirements if needed and embed a PDF output here as Appendix 3.~~

~~Visualisation e learning can be found on learning zone. Search visualisation.~~

Appendix 3—Add extra appendices as required

Site Information v3.2 – Index of Documents

1. Site Information v3.2 – Index of Documents
2. ENV0002541C-JBA-00-00-Z-0001-Site_Works_and_Information
3. ENV0002541C-JBA-00-00-DS-C-0001-A5-C01-B0700-EA3-LOD3-Buildability_statement
4. Greatham Red Line Boundary.zip
5. Archaeology Information
 - a. ENV0002541C-JBA-SW-00-DR-C-2000-Proposed_General_Arrangement_with_Contours (Trench_Locations).pdf
 - b. ENV0002541C-JBA-SW-00-DR-C-2003-A5-C03-Proposed_Earthworks_Analysis_Cut_Fill_Banding (Trench_Locations).pdf
 - c. GMAR3_EV_4570_Interim_2025_03_06_V3.pdf
6. Ground Investigation Information
 - a. DUN_D10889_Factual_Report_01_01.pdf
 - b. GMAR_WB_Y649_23_V5.pdf
 - c. RE_Greatham Marsh Archaeology - Suspected Asbestos in TR11.msg
7. Licences and Approvals
 - a. L2024003581 Marine Licence
 - i. Decision Letter.pdf
 - ii. Marine Coordinate Schedules.pdf
 - iii. Marine Licence.pdf
 - iv. Returns (2).pdf
 - b. NE0250001029 Water Resources Licence
 - i. Application New Issue Letter – 30.12.2024.pdf
 - ii. Application New Licence Issued – 18.12.2024.pdf
 - iii. Greatham Marsh Structure Removal Detailed Method Statement.pdf
 - c. Network Rail
 - i. Basic Asset Protection Agreement
 1. 0000260249 Basic Asset Protection Agreement
 - ii. Form G
 1. 260249 - F0039 - K Cowton.pdf
 2. 260249 - F0040 - B Sherburn.pdf
 3. 260249 - Greatham Marsh Form G - DRN Closed.pdf
 4. 260249 ENV0002541C-JBA-00-00-RP-C-0001-Network_Rail_Form_G.pdf
 - d. H20240149 Grant of Planning
 - i. E_1061324
 - e. The Crown Estates land
 - i. GIS_2025_0375_v1_UB_TeesTidelandGreathamMarshRestorationProject_BNG_20250409.zip
8. Pre Construction Information
 - a. SI – PCI 2023
 - i. 220207 Greatham Marsh PCI v2_PD Review.docx
 - ii. ENV0002541C-JBA-00-3_00-DS-GT-3500-Buildability_Statement.docx
 - iii. ENV0002541C-JBA-00-3_00-FN-GT-3502-Ground_Investigation_Cover_sheet.docx
 - iv. ENV0002541C-JBA-00-3_00-PL-EN-0001-S3-P01-Ground_Investigations_Environmental_Action_Plan.docx

- v. ENV0002541C-JBAU-00-00-GT-BQ-1000-BOQ.xls
- vi. ENV0002541C-JBAU-00-00-GT-SP-1000-GI_Spec BS.docx
- vii. FW Consultation - HRA 1 and Appendix 3 - SurveyMonitoring - Greatham Marsh GI - NZ 49489 26525 - 16012023 and - HRA 2 final - .msg
- viii. For PD review
 - 1. ENV0002541C-EA-00-3_00-PT-GT-3501-EPR_XB3690JX_FRA_Bespoke_Permit.pdf
 - 2. ENV0002541C-EA-00-3_00-SO-Z-8500-Pre_Construction_Information.docx
 - 3. ENV0002541C-JBA-00-3_00-AS-EN-2501-Stage_1_Habitats_Regulations_Assessment.docx
 - 4. ENV0002541C-JBA-00-3_00-AS-EN-2502-Stage_2_Habitats_Regulations_Assessment.docx
 - 5. ENV0002541C-JBA-00-3_00-AS-EN-2503-Appendix_3_Greatham_Marsh_Restoration_GI_works .docx
 - 6. ENV0002541C-JBA-00-3_00-RA-HS-1001-Designers_Risk_Register.xlsm
 - 7. ENV0002541C-JBA-00-3_00-RA-Z-1002-S0-P01.01-RAG_List.xlsm
 - 8. ENV0002541C-NE-00-3_00-PT-EN-2500-2022-12-23-Assent_for_GI_works.pdf
 - 9. ENV0002541C-ZET-00-3_00-AS-UT-7002-E11228-21_UXO_PDSA.pdf
 - 10. ENV0002541C-JBA-00-3_00-DR-UT-7000-Service_Searches(02.03.23)
- ix. PCI pack to issue
 - 1. 2023s0101_Greatham_Marsh_Checklist.pdf
 - 2. Adam Beattie - Certifications.zip
 - 3. ENV0002541C-BAM-00-3_00-DR-UT-7001-22464-DR-001-008_GPR_Survey.pdf
 - 4. ENV0002541C-EA-00-3_00-PT-GT-3501-EPR_XB3690JX_FRA_Bespoke_Permit.pdf
 - 5. ENV0002541C-EA-00-3_00-SO-Z-8500-Pre_Construction_Information.pdf
 - 6. ENV0002541C-JBA-00-3_00-AS-EN-2501-Stage_1_Habitats_Regulations_Assessment.pdf
 - 7. ENV0002541C-JBA-00-3_00-AS-EN-2502-Stage_2_Habitats_Regulations_Assessment.pdf
 - 8. ENV0002541C-JBA-00-3_00-AS-EN-2503-Appendix_3_Greatham_Marsh_Restoration_GI_works .pdf
 - 9. ENV0002541C-JBA-00-3_00-DS-GT-3500-Buildability_Statement.pdf
 - 10. ENV0002541C-JBA-00-3_00-RA-HS-1001-Designers_Risk_Register.pdf
 - 11. ENV0002541C-JBA-00-3_00-RA-Z-1002-S0-P01.01-RAG_List.pdf
 - 12. ENV0002541C-JBAU-00-00-GT-BQ-1000-BOQ.pdf
 - 13. ENV0002541C-JBAU-00-00-GT-DR-1000-S0-C01.03_GI_Plan.pdf

- 14. ENV0002541C-JBAU-00-00-GT-DR-1001-S0-C02.03-Hazard_and_Constraints_Plan.pdf
- 15. ENV0002541C-JBAU-00-3_00-DR-GT-1002-S0-P01.03-Site_Location_Plan.pdf
- 16. ENV0002541C-NE-00-3_00-PT-EN-2500-2022-12-23-Assent_for_GI_works.pdf
- 17. ENV0002541C-ZET-00-3_00-AS-UT-7002-E11228-21_UXO_PDSA.pdf
- x. PCI Services Search.zip
- xi. SS.zip
- b. SI – PCI 2024
 - i. 220207 Greatham Marsh PCI v2_PD Review.docx
 - ii. acad.err
 - iii. Adam Beattie - Certifications.zip
 - iv. Appointment Letters 2024.zip
 - v. ENV0002541C-JBA-00-3_00-RA-Z-1005-S0-P01.01-RAG_List(Archeology).xlsm
 - vi. ENV0002541C-JBA-SW-00-DR-C-4501-A5-C02-Archaeological_Trial_Pits_Hazard_and_Constraints_Plan(.pdf
 - vii. ENV0002541C-JBA-SW-00-DR-Z-1005-A5_C01-Site_Location_Plan.pdf
 - viii. ENV0002541C-JBAU-00-00-GT-RA-1002-DRA Trial Pit PCI.xlsm
 - ix. ENV0002541C-ZET-00-3_00-AS-UT-7002-E11228-21_UXO_PDSA.pdf
 - x. GMAR2_WSI_2024-05-10_CFA_V1.pdf
 - xi. Greatham Marsh GI LAH wc 12.08.24 BAM Programme.xlsx
 - xii. GREATHAM PCMT NE HUB V4 3 Oct 24.pdf
 - xiii. GREATHAM PCMT NE HUB V4.xlsx
 - xiv. plot.log
 - xv. Pre-Construction Management Tool for Greatham Marsh Archaeological Trial Pits.msg
 - xvi. Service searches 2024.zip
 - xvii. BAM Deliverables
 - 1. CFA Archaeology RAMS
 - a. V1 (Submitted for Review)
 - i. GMAR2_WSI_2024-05-10_CFA_V1_Optimized.pdf
 - ii. GMAR3_RAMs_v1_CFA.pdf
 - iii. SF401 GMAR3 RAMS MS Review Checklist (28.8.24).docx
 - 2. PEP – CPP
 - a. Rev 3 (Submitted for Review)
 - i. 240830 - Greatham Marsh Archaeology Plan v2_Optimized.pdf
 - ii. Environmental Constraints Map Rev 001.docx
 - iii. MT19 Project Execution Plan - Greatham Marsh - Rev 3.docx
 - iv. MT19 Schedule C1 Aspects and impacts register - Greatham Marsh GI.xlsm
 - v. Submitted to Call Safe.msg
 - 3. 241002 - Greatham Marsh Archaeology Plan v2_Optimized.pdf

4. CPP checklist - Greatham Marsh (1).pdf
5. GMAR2_WSI_2024-05-10_CFA_V1_Optimized.pdf
6. GMAR3_RAMs_v2_CFA.pdf
7. MT19 Project Execution Plan - Greatham Marsh - Rev 3.pdf
- xviii. Environment and Ecology
 1. ENV0002541C-JBA-00-3_00-PL-EN-0001-S3-P04-Ground_Investigations_Environmental_Action_Plan.docx
 2. ENV0002541C-JBA-00-3_00-PL-EN-0001-S3-P04-Ground_Investigations_Environmental_Action_Plan.pdf
 3. ENV0002541C-JBA-3_00-RP-EN-2527-A1-C01-Greatham_Marsh_Trial_Pits_HRA_Stage_1.docx
 4. ENV0002541C-JBA-3_00-RP-EN-2527-A1-C01-Greatham_Marsh_Trial_Pits_HRA_Stage_1.pdf
 5. ENV0002541C-JBA-3_00-RP-EN-2528-A1-C01-Greatham_Marsh_Trial_Pits_SSSI_Assessment.docx
 6. ENV0002541C-JBA-3_00-RP-EN-2528-A1-C01-Greatham_Marsh_Trial_Pits_SSSI_Assessment.pdf
- xix. F10
 1. 6b2e575287 - F10 Notification (3)
- xx. GPR
 1. GPR RA - Signed.docx
 2. T24647-DR-U-001-004.dwg
 3. T24647-DR-U-001-004.pdf
- c. SI – PCI 2025
 - i. ENV0002541C-JBA-00-00-C-RA-1001-DRA(DRAFT).pdf
 - ii. ENV0002541C-JBA-00-00-RP-1010-A5-C01-(DRAFT) Site_Works_and_Information.pdf
 - iii. ENV0002541C-JBA-00-00-SP-C-0100-A5-C01-Specification (DRAFT).pdf
 - iv. ENV0002541C-JBA-00-3_00-RA-Z-1006-S0-P01.01-RAG_List (GPR Asbestos Lead) .xlsm
 - v. GREATHAM PCMT NE HUB V4 - Asbestos.xlsx
 - vi. GREATHAM PCMT NE HUB V4 - GPR.xlsx
 - vii. GREATHAM PCMT NE HUB V41 - trial pits.xlsx
 - viii. ESE - Asbestos Lead Surveys
 1. 298036 Greatham Marsh Restoration Bridge refurbishment survey RAMS v2
 2. Asbestos and Lead Survey Methodology
 - ix. ESE - GPR Survey Extents
 1. GPR Survey Extents (1).pdf
 2. GPR Survey Extents.pdf
 3. Greatham Marsh - 360 Group HSP 2.1 - RAMS - Underground Utility Surveys V2.pdf
 4. Line Marker Paint COSHH.pdf
 - x. ESE - Trial Holes
 1. TW 05 - Marsh House Lane Access Track (Trial Holes)
 2. TW 07 - Dalton Back Lane Access Track (Trial Holes)
 - xi. Tidal Structure removal - Main construction phase
 1. Greatham Marsh Structure Removal Detailed Method Statement



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