

This document is executed as a deed and is delivered and takes effect at
the date written at the beginning of it



Framework:	Collaborative Delivery Framework
Supplier:	BAM Nuttall Ltd
Company Number:	00305189
Geographical Area:	East
Contract Name:	WBGWS pumps and Panels
Project Number:	ENV0002993C
Contract Type:	Engineering Construction Contract
Option:	Option C
Contract Number:	C23260
Stage:	Construction

Revision	Status		Originator		Reviewer		Date

ENGINEERING AND CONSTRUCTION CONTRACT under the Collaborative Delivery Framework
CONTRACT DATA

Project Name WBGWS pumps and Panels

Project Number ENV0002993C

6th November 2024

This contract is made on
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
WBGWS Pumps and Panels Scope_SCOPE FREEZE_April_031024_v5

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
- X5: Sectional Completion
- X7: Delay damages
- X9: Transfer of rights
- X10: Information modelling
- X11: Termination by the *Client*
- X15: *Contractor's* design
- X16: Retention
- 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

Replacement of the Pumps and Panels across 31 sites in West Berkshire which form the West Berkshire Groundwater Scheme

The *Client* is Environment Agency

Address for communications Horizon House
Deanery Road
Bristol
BS1 5AH

Address for electronic communications

The *Project Manager* is

Address for communications Mott MacDonald
20 Valpy Street
Reading
RG1 1AR

Address for electronic communications

The *Supervisor* is TBC

Address for communications
TBC
TBC
TBC
TBC
TBC
TBC
Address for electronic communications
TBC

The Scope is in
WBGWS Pumps and Panels Scope_SCOPE FREEZE_April_031024_v5

The Site Information is in
MEICA Standards: Zip folder saved in G0201:1 dated 27-SEP-2024
Abstraction Licences: ZIP folder saved in G0201:3 dated 27-SEP-2024
Supporting WIMES information: Zip Folder G0201:5 dated 27-SEP-2024
PCI: ZIP folder saved in G0201:6 dated 27-SEP-2024
As Built Drawings: Zip folder saved in G0201:7 dated 27-SEP-2024
Photos: Zip folder saved in G0201:8 dated 03-OCT-2024

The boundaries of the site are
WBGWS Site plans.pdf

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

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' not used

'none set' not used

'none set' not used

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 21 October 2024

The access dates are
part of the Site date

Asite 21 October 2024

FastDraft 21 October 2024

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

The Completion Date for the whole of the works is 07 September 2027

The Client is 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 104 weeks

The *defect correction period* is 2 weeks except that
• The *defect correction period* for Safety / operational issue 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 £12,442,197.34
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

	<i>share range</i>		<i>Contractor's share percentage</i>
less than	80 %	80 %	0 %
from		to	
greater than	120 %	120 %	
			as set out in Schedule 17
			as set out in Schedule 17

6 Compensation events

The place where weather is to be recorded is Reading University, Whiteknights

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. 'not used'
2. 'not used'
3. 'not used'
4. 'not used'
5. 'not used'

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

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

Jan	'not used'	Jul	'not used'
Feb	'not used'	Aug	'not used'
Mar	'not used'	Sep	'not used'
Apr	'not used'	Oct	'not used'
May	'not used'	Nov	'not used'
Jun	'not used'	Dec	'not used'

These are additional compensation events

1. Carbon Methodology - Adherence to and compliance with the Carbon Methodology dated 08 June 2023
2. The Project Manager gives an instruction advising that the scheme must become operable
3. 'Following the design process, The pumps provided in the quote received from Wilo (ref. OP-24-013337-PON/RW) are found to be either unsuitable, or a more efficient pump is proposed by the Contractor and accepted by the Project Manager"
4. Following design, an incoming power supply upgrade is required
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

£15,000,000

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 used'

Resolving and avoiding disputes

The <i>tribunal</i> is litigation in the courts	
The <i>Senior Representatives</i> of the <i>Client</i> are	<div></div>
Address for communications	Environment Agency Riversmeet House Northway Lane Tewkesbury House GL20 8JG
Address for electronic communications	<div></div>
Name	<div></div>
Address for communications	Environment Agency Kingfisher House Goldhay Close Peterborough Cambridgeshire PE2 5ZR
Address for electronic communications	<div></div>
The <i>Adjudicator</i> is	'to be confirmed'
Address for communications	'to be confirmed'
Address for electronic communications	'to be confirmed'
The <i>Adjudicator nominating body</i> is	The Institution of Civil Engineers

Z Clauses

Z1 Correctness of Site Information and other documents

Z1.1 Site Information about the ground, subsoil, ducts, cables, pipes and structures is provided in good faith by the *Client* , but is not warranted correct. Clause 60.3 does not apply to such Site Information and the *Contractor* is responsible for checking the correctness of any such Site Information they rely on for the purpose of pricing for or providing the *works* .
Z1.2 Information regarding construction methods or processes referred to in pre contract health and safety plans are provided in good faith by the *Client* but are not warranted correct (except for the purpose of promoting high standards of health and safety) and the *Contractor* is responsible for checking the correctness of any such information they rely on for the purpose of pricing for, or providing the *works* .

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.

Z 6 Payment for Work

Delete existing clause 11.2 (31) and replace with:
"11.2 (31) The Price for Work Done to Date is the total Defined Cost which the *Project Manager* forecasts will have been paid by the *Contractor* before the next assessment date plus the Fee. In all instances and circumstances the Price for Work Done to Date shall not exceed the forecast for the same as provided under clause 20.4."

Z7 Contractor's share

After cJ54.2 and before cJ54.3, 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) Act

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.

Z20 Defect Dates for Sections

Where a section of the works is defined and is located in a separate area of the Site, the time to the defects date for that section is the defined period after the Completion of that section , and is defined in the Contract Data.

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:

- a) The index is Office for National Statistics (ONS) CPI (UK, 2015=100).
- b) The Base Date Index (B) is the latest available index published by ONS prior to the Contract Date.
- c) The Latest Index (L) is the latest available index published by ONS before the date of assessment of an amount due.
- d) 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:

- a) The Price for Work Done to Date is less than or equal to the total of the Prices and
- b) 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 Contractor 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 performance table 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 starting date until the Completion Date, the Contractor reports to the Project Manager its performance against the targets in the Performance Table. Reports are provided at the intervals stated in the Performance Table.
57.2	If the Contractor's 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 Project Manager 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 Contractor pays the amount stated in the Performance Table, • If the relevant performance exceeds or meets the target stated in the Performance Table, the Contractor 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: <ul style="list-style-type: none">• low performance damages if the Performance Table applies
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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 X5: Sectional Completion

The <i>completion date</i> for each <i>section</i> of the <i>works</i> is		
<i>section</i>	<i>description</i>	<i>completion date</i>
1	Maddle Farm	<i>completion date</i>
2	Upper Lambourn	<i>completion date</i>
3	Longacre Farm	<i>completion date</i>
4	Mile End	<i>completion date</i>
5	Farncombe	<i>completion date</i>
6	Warren Down	<i>completion date</i>
7	Eastbury Grange	<i>completion date</i>
8	South Fawley West	<i>completion date</i>
9	North Fawley	<i>completion date</i>
10	South Fawley East	<i>completion date</i>
11	Henley Farm	<i>completion date</i>
12	Brightwalton	<i>completion date</i>
13	Chapel Farm	<i>completion date</i>
14	Peasemore	<i>completion date</i>
15	Chapel Wood	<i>completion date</i>
16	Winterbourne North	<i>completion date</i>
17	Knollend Down	<i>completion date</i>
18	Hodcott	<i>completion date</i>
19	Gore Hill	<i>completion date</i>

20	Salt Box	completion date
21	Lower Chance	completion date
22	Compton	completion date
23	Ashridge Wood	completion date
24	Banterwick Barn	completion date
25	Woodend Farm	completion date
26	Bottom Barn	completion date
27	Round Copse	completion date
28	Hyde End	completion date
29	Shalford Farm	completion date
30	Missels Bridge	completion date
31	Stanford End	completion date

X7 plus X5

Delay damages for each *section* of the *works* are
section description

1	Maddle Farm	amount per day £0.00
2	Upper Lambourn	£0.00
3	Longacre Farm	£0.00
4	Mile End	£0.00
5	Farncombe	£0.00
6	Warren Down	£0.00
7	Eastbury Grange	£0.00
8	South Fawley West	£0.00
9	North Fawley	£0.00

10	South Fawley East	£0.00
11	Henley Farm	£0.00
12	Brightwalton	£0.00
13	Chapel Farm	£0.00
14	Peasemore	£0.00
15	Chapel Wood	£0.00
16	Winterbourne North	£0.00
17	Knollend Down	£0.00
18	Hodcott	£0.00
19	Gore Hill	£0.00
20	Salt Box	£0.00
21	Lower Chance	£0.00
22	Compton	£0.00
23	Ashridge Wood	£0.00
24	Banterwick Barn	£0.00
25	Woodend Farm	£0.00
26	Bottom Barn	£0.00
27	Round Copse	£0.00
28	Hyde End	£0.00
29	Shalford Farm	£0.00
30	Missels Bridge	£0.00
31	Stanford End	£0.00

The delay damages for the remainder of the *works* are £509.00

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 £5,000,000

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 12 years

OPTION X15: The *Contractor's* design

The *period for retention* following Completion of the whole of the *works* or earlier termination is 12 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 £5,000,000.00

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 12 years

OPTION X16: Retention

The *retention free* amount is 95% of the total of the Prices
The *retention percentage* is 50.00%

The *Contractor* may not give the *Client* a retention bond

OPTION X18: Limitation of liability

The *Contractor's* liability for Defects due to its design which are not listed on the Defects Certificate is limited to £5,000,000

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 £5,000,000

The *end of liability date is* 12 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	<i>beneficiary</i>
no terms under this contract	no beneficiaries under this contract
no terms under this contract	no beneficiaries under this contract
no terms under this contract	no beneficiaries under this contract
no terms under this contract	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

St James House
Knoll Road
Camberley
Surrey
GU15 3XW

Address for electronic communications

The fee percentage is

Option C

The working areas are

The Site and all locations at which work is undertaken for the benefit of the project, including but not limited to all BAM & Client offices and premises whether temporary or permanent

The key persons are

Name (1)

Job

Contracts Manager

Responsibilities

Overall responsibility of projects under the framework

Qualifications

Experience

The key persons are

Name (2)

Job

Commercial Manager

Responsibilities

Commercial Management of the Project

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

3 Time

The programme identified in the Contract Data is

5 Payment

The activity schedule is

Resolving and avoiding disputes

The Senior Representatives of the Contractor are

Name (1) [redacted]
Address for communications
St James House
Knoll Road
Camberley
Surrey
GU15 3XW

Address for electronic communications
[redacted]

Name (2) [redacted]
Address for communications
St James House
Knoll Road
Camberley
Surrey
GU15 3XW

Address for electronic communications
[redacted]

X10: Information Modelling

The information execution plan identified in the Contract Data is

Contract Execution

Client execution Andrtew Pheasant

Signed as a Deed by [PRINT NAME]

for and on behalf of the Environment Agency

[Redacted Signature]

Signature

06/11/2024

Date

[Redacted Role]

Role

In the presence of:

[Redacted Signature]

Signature

06/11/2024

Date

[Redacted Role]

Role

[Redacted Address]

Address

c / o Manley House, Kestrel Way

Exeter EX2 7LQ

Contractor execution

Signed as a Deed by [PRINT NAME]

for and on behalf of BAM Nuttall Ltd

[Redacted Signature]

Signature

28/10/2024

Date

[Redacted Role]

Role

In the presence of:

[Redacted Signature]

Signature

28/10/2024

Date

[Redacted Role]

Role

[Redacted Name]

Name [Print]

Address

St James House, Knoll Road, Camberley,
GU15 3XW

(Named Attorneys are authorised to execute contracts on behalf of BAM Nuttall Limited pursuant to a Power of Attorney dated 24th March 2023)