**TENDER ENQUIRY DOCUMENT**

LLWR – RDP – Tranche 1 Project- Minor Civils Works

The “Minor Civils Contract”, which forms part of the Repository Development Programme (RDP) Tranche 1 Project. The work consists of Civil Engineering enabling works in preparation for the main civil engineering works associated with installing the final cap over Vault 8 and the existing trench cap. The Minor Civils Works Scope includes for the installation of Monitoring Infrastructure, Temporary Drainage, Haul Road, Stockpile Management and Landscaping.

**PACKAGE**

Attenuation at Lagoon D

*Tender Enquiry*

**April 2020**

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### 1.0 INVITATION TO TENDER (ITT)

1. The tenderer is requested to arrange a visit to site and return one complete priced copy of this document with the additional information requested (if applicable)
   * Priced Bill of Quantities
   * Contract Data part two completed
   * Details of assumptions and exclusions
   * Programme of works
   * Details of clarifications

1. The information made available to you in connection with this enquiry is to be treated as strictly confidential and must not be divulged beyond the degree necessary to enable you to prepare your tender.

1. The site is open for inspection by appointment with GRAHAM, the tenderer is advised to visit the site before tendering and to acquaint himself with conditions affecting the execution of the Subcontract Works including local conditions, the scope of works, access and logistical constraints, the supply and the conditions affecting labour, and the availability and supply of materials, and the tenderer is deemed to include for any costs arising therefore no extra payment or extension of time to the contract period will be admissible due to want of knowledge or inadequate allowance.

Visits to the site must be by arrangement with the Graham Project Manager George Smith

1. In making your offer you are deemed to have examined the main contract and documents (including drawings) which can be inspected by appointment during normal working hours at the office noted below.
2. It is a condition precedence to any offer that the tenderer is accepting the NDA Flow Down Terms and any tender submitted acknowledges the same.

1. Your tender and priced activity schedule, by email, should be returned to:

**For the attention of: (INSERT DETAILS)**

#### Tel:

**Richard.Wilson@Graham.co.uk**

Tenders should be returned as soon as possible however no later than:

(13th May 2020)

### 2.0 PROJECT PARTICULARS

#### 2.1 Project Introduction

The LLWR is the UK’s national low-level radioactive waste disposal facility. It is one of 19 sites owned by the Nuclear Decommissioning Authority (NDA). The site is operated, under licence, by LLW Repository Ltd on behalf of the NDA. The NDA granted Programme Approval for the Repository Development Programme (RDP) on 3rd August 2016. The RDP comprises 12 tranches of work spanning a timeframe of 114 years; this includes the construction of Vaults 9A, 10, 11, 12, 13 and 14 and the closure engineering Works required for all Vaults and adjacent trenches. The RDP Tranche 1 Project will deliver this first closure engineering scope within the programme and includes for the Minor Civils Project.

The site is subject to extensive licensing conditions and regulatory approvals, which are over and above common practice.

#### 2.2 Particulars

GRAHAM Construction have been contracted by the Employer, LLW Repository Ltd to undertake *Works* under an amended NEC4 Engineering and Construction Contract June 2017 including January 2019 amendments, Core clauses and the clauses for main Option B, dispute resolution Option W2 and secondary Options X2, X15, X16, X18, X20 X18 Y(UK)2, and Z including NDA Flow Down Terms.

The Minor Civils Contract includes the following scope:

1. Monitoring Infrastructure;
2. Temporary Drainage;
3. Haul Road;
4. Stockpile Management;
5. Contractor’s Office – Adjacent to Stockpile C;
6. Landscaping Requirements;
7. Environmental Monitoring Scope (Dust, Water, and Noise);
8. Miscellaneous Works and Requirements;
9. Earthworks General Requirements.

Location of the site is as follows:

LLWR Site, Old Shore Road, Holmrook, CA19 1XP

#### 2.3 Project Methodology

1. Proposed Sequence

The sequence of works is to be agreed with GRAHAM site management prior to entering Subcontract Agreement given due consideration to all interfacing trades.

The following programme constraints are to be accounted for in the Tenderers price and programme and shall be deemed included within a resultant Subcontract (if awarded)

1.2 Programme Constraints

1. General Site Constraints

Refer to Repository Development Programme Minor Civils Scope Doc Ref LLWR-RDP-T1.00-GEN-033 for all Constraints applicable to Works on the Site.

The Services provided by the Contractor and its Subcontractors will not be exclusive; there will be other projects and operational Works ongoing during the duration of this Contract, such as, but not limited to, site clearance of trees on the haul route, contractors compound and Stockpile C will be carried out between September 2019 and April 2020, and the noise fence works will commence in October 2019 for completion in May 2020.

The Licensing of Nuclear Sites is a requirement of the Nuclear Installations Act 1965.

The site is a nuclear licensed site, with several environmental permits and consents which allows the Client to make any necessary discharges. As such there are the associated limitations, restrictions and regulations to be complied with by all parties. To this end the Client has various procedures, guides, and Instructions. Key documents are referenced in this Enquiry and in the attached Scope Document ref LLWR-RDP-T1.00-Gen-033, all of which should also be taken into consideration.

The Subcontractor must ensure they are familiar with and comply with the latest editions of these documents.

The Nuclear Site Licence for LLWR, Site Licence 82, places conditions on the Licensee which are legal requirements and require arrangements to be put in place for compliance. As such, the Site Licence forms the highest tier of the Client’s Management System.

Although the Site Licence only applies directly to the Licensee, the application of its requirements will have an indirect effect on other companies working within the boundaries of the site, including the works described under this Enquiry and any resultant Subcontract.

1. Access to the site

Refer to Repository Development Programme Minor Civils Scope Doc Ref LLWR-RDP-T1.00-GEN-033 for all Access to Site Restrictions.

The Sub-Contractor’s attention is drawn to the restricted access to the Site. The Sub-Contractor is deemed to have visited the Site and acquainted himself with the restrictions and other matters regarding access to the Site which may affect the Works.

Entry to site is made via the Main Gate. Entry to site may also be made via the Council Gate with authorisation from the Client [via the ‘Superintending Officer’ (SO) or ‘Nominated Representative’ (NR)]. Access through the Council Gate will require notice of at least 2 weeks to allow LLWR to arrange security personnel to man the gate.

For details of restrictions on deliveries, including travelling through the local villages of Drigg and Holmrook refer to section 3.1 of this Document.

3.1 Deliveries to Site

The Subcontractor is required to comply with Repository Site Manual (RSM - 08) Section 4.6 – Safe Use of Vehicles, Roads and Car Parks covers vehicle movements and parking. The Sub-Contractor is to comply with the Client’s Traffic Management Plan ref: SR\_P 002,

Control of Large Goods Vehicles ref: SR\_P 003 and Control of Abnormal Load Deliveries SR\_P 006.

LGV’s are not to arrive and leave the LLWR Site and travel through the Drigg village during the restricted travel time of 07:30 to 09:00 and 15:00 to 16:30, refer to Figure 4: Delivery Curfew Periods.

These restrictions are in place to reduce the risk to pedestrians within the village during busy periods. The periods are aligned with school collection and pick times when there is an increased safety risk to pedestrians.

The times have been agreed with the local community through the Drigg and Carleton Parish Council and with the Nuclear Decommissioning Authority (NDA).

For details of Security and access Site Pass requirements refer to Section 4.42 of the Minor Civil Works Scope Document ref LLWR-RDP-t1.00-GEN-033 rev C

Arrangements for emergency vehicle access must be maintained at all times.

Building Number B791.2 is a stoned-up compound allocated as the Contractor’s area for office and welfare facilities (shown on Figure 6). This area contains space for approximately 14 Vehicle parking spaces. Due to the limited capacity on site and to minimise vehicular traffic through the local villages, it is a requirement that the Subcontractor agree with the Contractor methods for transporting its workforce will be to the LLWR site.

**2.4 Subcontract Management Section**

#### 2.4.1. Ambiguity

On receipt of this Tender Enquiry the Tenderer (Subcontractor) must thoroughly check all the documentation. The Sub-Contractor is to identify with his tender any such areas of contradiction or ambiguity and so describe the details of inclusions within its Tender. If the details, statements or clauses in the consultant designers’ drawings and/or specifications contradict and/or conflict with the scope of works then the Tenderer agrees that the more onerous obligations shall take precedence.

The Tenderer acknowledges that no error or omission from the tender and any resultant subcontract or in any combination of the Tender or resultant Subcontract Documents nor any misdirection or misinformation given by or on behalf of GRAHAM shall relieve the Tenderer or Subcontractor from his obligations and liabilities pursuant to any Subcontract entered into where reasonable and prudent inspection of the Tender Documents and resultant (if successful) Sub-contract Documents would reveal such error.

#### 2.4.2. Subcontract Design Transmittal

* The dates by which each document is planned to be issued for Approval and Construction must be shown. Sub-Contractor to assume a period for client review as identified within LLWR-RDP-T1.00-GEN-033 rev C period plus 2 weeks for GRAHAM to undertake its review, comment and administer for all technical submission(s) when developing the tender programme.
* The Tender Programme required to be submitted with each Tender is to include for programme at the levels determined within the LLWR-RDP-T1.00-GEN-033 rev C, and at minimum of levels 4 and 5.
* On or before the agreed times, the Sub-Contractor shall submit each drawing or specification document for approval to GRAHAM for distribution to the Design Team and Client’s representatives. This submittal maybe via 4 projects and the tenderer is to take account of this in its return.
* The Sub-Contractor is to co-ordinate the design works with GRAHAM and must allow for this in their tender.

#### 2.4.3. Method Statements/Risk Assessments

Within 14 days of appointment the Sub-Contractor shall submit detailed method statements. Graham Construction will be entitled to a 14-day review period for each comprehensive method statements. The method statement/risk assessment will be reviewed for completeness and work will not be permitted to start on site until approved by an authorised GRAHAM representative. The Method Statements should identify:

* Detailed programme of works, including annotated sketches where required
* Method to control noise and dust, including the introduction, where possible of low noise activities. Sub-Contractors are required to confirm the likely noise output from the equipment/activities
* Erection methodology
* Site supervision and organisation
* Delivering, unloading, hoisting and distribution of materials
* Distribution, hoisting and removal of rubbish to prevent nuisance, injury or damage to adjoining owners, their occupiers or contents and the public
* Setting out
* Inspections/Testing
* Quality Control Procedures
* Safety and COSHH proposals
* Detailed Risk Assessments

#### 2.4.4. Setting Out

The Subcontractor will be responsible for setting out of the works from the base lines as provided by GRAHAM. The subcontractor is responsible for the accuracy of the setting out, line and level.

#### 2.4.5. Protection

The Sub-Contractors must include for the adequate protection of all works. This protection must be compatible with site works and trade interfaces. Written agreement must be sought prior to any removal of the protection and an allowance must be made for thoroughly cleaning down the installations following the removal. Subcontractor will be responsible for the adequate protection of the existing structures, infrastructure and the like prior to use of any plant (i.e. Cranes, MEWPS etc).

#### 2.4.6. Quality Requirements for Sub-Contractors

The Sub-Contractor must operate a system of quality control, acceptable to ourselves which would confirm with the requirements of ISO 9001, and will be deemed to have made an allowance, in the tender, for the implementation of an appropriate procedure and included for all Quality Requirements included within LLWR-RDP-T1.00-GEN-033 rev C and CQR 2 and 3 as appended to this doc. It is our intention that all work must be offered, and be signed off as checked and correct, by site management before payments are made.

The Subcontractor is to refer to and include for all Quality Management Requirements detailed within RDP – Minor Civil Works Scope Doc Ref LLWR-RDP-T1.00-GEN-033 section 8 and in Document ref CQR 2 and 3

#### 2.4.7. Inductions

All Sub-Contract employees are required to attend site inductions prior to starting work on the project.

All Sub-Contractors’ employees are to have a valid CSCS card which is to be presented at induction. Nobody will be permitted on site without a valid card.

All Sub-contractors are required to be adhere to LLWR security procedures and policies, referred to in the *LLWR-RDP-T1.00-GEN-033 rev C* and is to allow for these in the Tender.

#### 2.4.8. Materials Management and Deliveries

The Sub-Contractor shall be fully responsible for and take delivery, unload and distribute all his materials and plant and shall co-operate and comply with any requirements of GRAHAM relating to the delivery to the Site and subsequent handling of any materials and plant for the Works. Sub-Contractor should make adequate allowance for interfacing with associated contractors.

All deliveries and unloading are to be undertaken in accordance with LLWR-RDP-T1.00-GEN-033 rev C

#### 2.4.9. Site Working / Site Hours

The Subcontractors attention is drawn to the Site Codes of Practice and the European Working Time Directive, where the normal working week shall not exceed 48 hours (preferably worked over 5 days). In all instances the current directives shall apply and furthermore all SubContractors shall be required to work without availing themselves of “Opt Out” arrangements in respect of the 48-hour average working week and rest days. The Subcontractor will be deemed to have included for this for this restriction in his Prices. The Subcontractor observes and conforms to working hours of the Licensed Site. No work takes place during non-working hours or non-working days, except with the prior written consent of the Client.

* There is a Planning Condition that stipulates the following working times for this Project:
* 07:30 - 18:00 Monday to Friday;
* 08:00 – 13:00 Saturdays (only by exception and advanced approval by the Client);
* No construction works on Sunday;
* No work to take place over any Bank Holiday – this includes all days over the bank holiday weekend (Sat, Sun, Mon and Friday in Easter).

The Licensed Site is open from 06:00 and closes at 18:00. Therefore, the Subcontractor:

* Can enter the Licensed Site from 06:00, but not start construction works until 07:30;
* Must leave the Licensed Site before 18:00.

Note: Subcontractor to allow for non-productive working time of 1 (one) hour per day for attendance to daily work pre and post job briefs.

Cognisance must also be taken of the need to comply with any statutory limitations or restrictions as well as the specific prevailing site conditions and restrictions that may affect the execution of the Sub-Contract works. Subcontractors to take all necessary precautions to prevent nuisance and noise to residents. Working Hours shall be as dictated by Planning Conditions.

#### 2.4.10. Site Restrictions

Tenderers (Subcontractor) must take full cognisance of the prevailing site conditions and any restrictions arising there from with particular attention paid to the security, site rules, traffic and management plan, site delivery strategy etc. No subsequent claim for additional costs arising from the tenderers failure to acquaint themselves with the site will be accepted.

In particular, Subcontractors should familiarise themselves with the entrance route to site and make allowance for all work required to get all necessary material and plant onsite. Tenderers should highlight at tender stage if any constraints on the access route will be inadequate for the delivery process.

Tenderers should utilise the main entrance road were possible. In the event that tenderers need to utilise adjacent footpaths or hard standing then adequate allowance should be made for all necessary protection. Sub-contractor will be liable for any remedial works. Subcontractors should also acquaint themselves with specific requirements of the LLWR-RDP-T1.00-GEN-033 rev C and docs listed therein.

#### 2.4.11.Safety

The appointed Sub-Contractor will be required to provide a copy of their current Safety Policy and for nominating and making available as necessary, the appropriate personnel to attend any Site Safety meetings. The Subcontractor will be required to execute their works in compliance with the current Health and Safety and Control of Pollution Acts etc. Provide and maintain all plant certificates and insurances as required under H&S regulations.

The appointed Sub-Contractor must provide a minimum site-specific safety requirement as follows:

* Weekly inspections with all documentation copied to GRAHAM.
* Commitment to excellence and will be required to maintain a clean working environment however in addition participate in at least a 30min clean up as directed by the GRAHAM Site Manager or Project Manager.
* No smoking or mobile phone or Laptops on site other than in designated areas
* 100% glove and glasses policy

### 

### 3.0 PACKAGE PARTICULARS

#### 3.1 Introduction

(Lagoon D is located south of the proposed final cap adjacent to the Street 7 and Street 4 junction. It is an open

pre-cast attenuation tank 10m x 20m x 1.2m, with a min volume of 205m3. The open pre-cast attenuation tank

is to allow for settlement of suspended solids and allow for mechanical de-silting methods. This component

acts as a secondary level of sedimentation treatment for the eastern catchment. To ensure flow discharges into

the pond by gravity, a higher outlet from existing manholes controlling flow from the cap is required. Flow is

diverted from MH7218 into a new pipe system running parallel with Street 7. The pipeline is culverted beneath

Street 7, with a 1.2 m cover, before discharging into the Lagoon. The pond outlet connects to the existing

surface water pipe system adjacent to Street 7.

Lagoon D is located near a Great Crested Newt breading pond (Pond 3), therefore a licence is required for

construction Works in this area, which has already applied for by LLWR. Installation of an amphibian fence

and management of the required trapping period will be completed in advance of the Minor Civils Works.

Settlement Lagoon D works.

**3.2 Package Scope**

**Detailed design, coordination, temporary works as necessary and installation of pre-cast attenuation tank. The pre-cast tank is to be supplied by Fli-Carlow or a similar approved Contractor.**

**Subcontractor Coordination Requirements:**

Design in accordance with the scope document ref LLWR-RDP-T1.00-GEN-033

Provision of weights and holding down details to allow for the Contractor (GRAHAM) to install prior to attenuation installation.

Provision of Lifting, coordinating detail of craneage so as to allow for design and installation of suitable lifting platform.

Provision of design to allow for fixing or substructure details to allow for temporary and permanent works interface.

#### 3.3 Package Programme

The indicative programme for the Sub-Contract works on site shall be:

Commencement Date June 2020 (for design)

Start on Site Date August 2020

Completion Date October 2020

Other days Design complete and approved end July 2020

Key dates Nil

#### 3.4 Other Particulars

* The Sub-contractor should have the relevant previous experience of undertaking similar works on high validation projects. We expect examples, where reasonably necessary, to be provided as part of tender submission.

* The Sub-contractor personnel should be suitably SQEP (skill, qualified, experience, persons) for all packages. Key person on the project are to be accountable, have authority, been knowledgeable, and take responsibility for their works. Organisational chart and applicable

CV’s to be provided.

#### 3.5 Drawings and Documents forming the Subcontractors Scope

The Sub-Contractor includes for the information related to its package of works as detailed within the following drawings and specifications;

Repository Development Programme Minor Civils Scope Doc Ref LLWR-RDP-T1.00-GEN-033

CEMP RP/3409320.00/PROJ/00023

Environmental Management Plan reference AX19-GCL-EN-XX-PL-W-0001

Surface Water Management Plan ref AX19-GCL-EN-XX-PL-W-0002

Surface Water Drainage Specification ref AEC-RDP-T1.00-SP-033-C

**Graham Construction Ltd Quality Plan Guidelines**

CDM Designers Risk Register AEC‐RDP‐T1.00‐RA‐027 rev A

Post Residual Risks AEC‐RDP‐T1.00‐RR‐007 A

Surface Water Drainage AEC‐RDP‐T1.00‐SP‐033 C

Water Drainage Manhole & Pipeline Schedule AEC‐RDP‐T1.00‐SC‐014 A

Surface Water Management Plan AEC‐RDP‐T1.00‐RP‐091 A

Surface Water Drainage T1 General Arrangement RD 344

Surface Water Drainage T1 Key Plan RD 345 A

Proposed Surface Water System Arrangement Construction Phasing Part A RD 346 A

Tranche 1 General Arrangement Temporary Lagoon Attenuation D RD 367 B

Surface Water Drainage Erosion Control Details Sheet 1 of 2 RD 398 A

Surface Water Drainage Erosion Control Details Sheet 2 of 2 RD 399 A

T1 Setting Out Points Channels RD 387 A

Surface Water Drainage Typical Swale Details RD 389 A

**Other Documentation;**

**RDP Minor Civils Tender Information Documentation (available at the GRAHAM offices at Site)**

**No. Title Doc Reference (4 Projects) Document Type**

1 Accounting and Business Calendar 19‐20 No ref Guidance

2 LLW\_standards and expectations booklet No ref Sketch

3 WI CCTV for Drainage LLWR‐RDP‐T1.00‐SK‐058 Sketch

~~4 Minor Civils Compound Facilities RD 845 Guidance~~

5 Contractors Appointments, Training and Procedures CATaP/JH/RDP/19/07 Report

6 Planning Condition 14 ‐ RDP Construction Environmental Management Plan (CEMP) LLWR‐RDP‐T1.00‐RP‐116 Report

7 Planning Condition 16 Response ‐ RDP Ecological Mitigation Plan LLWR‐RDP‐T1.00‐RP‐095 Sketch

8 Sketch for Contractors Office Adjacent to Stockpile C LLWR‐RDP‐T1.00‐SK‐060 Specification

~~9 Wheel Wash details from manaufacturer No ref Manual~~

10 Contractor Information Manual for working on LLWR Site RMS 08 Sketch

11 Additional Laydown Area. LLWR‐RDP‐T1.00‐SK‐062 ‐ Sketch

12 Borehole Log Location plan LLWR‐RDP‐T1.00‐SK‐063 Spreadsheet

13 Borehole Log Location plan supporting spreadsheet LLWR‐RDP‐T1.00‐GEN‐032 Other

14 Site Borehole Log Information (zip files 2no.) No ref Hazcon

~~15 Haul Roads (DP5) HAZCON SCD712 Hazcon~~

16 Cap Perimeter Drainage (DP2) HAZCON SCD739 Hazcon

~~17 RDP Stockpile Management (DP6) HAZCON ‐ Issue 1 SCD746 Sketch~~

~~18 Mound 1 and 2 Locations LLWR‐RDP‐T1.00‐SK‐064 Guidance~~

19 Appendix B DRC Schedule No ref Risk Register

~~20 Contractors Facilities in area B791.2 LLWR‐RDP‐T1.00‐SK‐060 Sketch~~

~~21 Wheel Wash spec No ref LLWR QMS~~

~~22 Existing Lagoon Location South of Mound 1 LLWR‐RDP‐T1.00‐SK‐066 LLWR QMS~~

~~23 Existing Lagoon Location Adjacent to Stockpile B LLWR‐RDP‐T1.00‐SK‐065 LLWR QMS~~

24 Electrical Safety RSM 1.15 LLWR QMS

25 Management and Control of Risk Assessments RSP 1.11 LLWR QMS

26 Excavations RSP 1.11.06 LLWR QMS

27 Work Release RSP 1.12 LLWR QMS

28 Safe Use of Portable Generators on the LLWR Site RSG 1.15.02 LLWR QMS

29 Radiological Sentencing of Items, Materials and Waste leaving the LLW Repository Site RSP 2.02 LLWR QMS

30 Disposal of Non‐Radiological (Controlled Waste) RSP 2.13 LLWR QMS

31 Work Management RSP 6.01 LLWR QMS

32 Engineering Drawings RSP 14.07 LLWR QMS

33 Engineering Reviews RSP 14.09 LLWR QMS

34 Design change Control RSP 14.10 LLWR QMS

35 Technical Queries RSP 14.11 LLWR QMS

36 Electrical Safety rules RSG 1.15\_01 LLWR QMS

37 LLWR Non‐Radiological Waste Skip/Container Owner RR0202 LLWR QMS

38 Contractor Information Manual for working on LLWR Nuclear Licenced Site RSM 08 LLWR QMS

39 Awareness of the Hazards and Risks for Authorised Individuals Entering Low Level Waste

Repository Site

RSP 01.09 LLWR QMS

40 SAFE MANAGEMENT OF CONTAMINATED LAND RSP 02.08 LLWR QMS

41 Verification of Construction Work RSP 08.03.03 LLWR QMS

42 Engineering Calculations RSP 14.05 LLWR QMS

43 Engineering Specifications RSP 14.06 LLWR QMS

44 Design Justification Reports (DJRs) RSP 14.18 LLWR QMS

45 MANDATORY SECURITY REQUIREMENTS FOR PERSONS MAKING ENTRY TO LOW LEVER WASTE

REPOSITORY SITE ‐ use this title

RSP 18.02 LLWR QMS

46 Quality Inspections RSP 5.14.01 Site Rule

47 Quality Plan Guidance RSG 05.04\_01 Site Rule

48 Quality Plans RSP 05.04 Site Rule

49 Site Rules SR\_P 001 Site Rule

50 Traffic Management Plan SR\_P 002 Site Rule

51 Control of LGV Arrival and Exit from LLWR Site SR\_P 003 Site Rule

52 Security Protocol SR\_P 004 Drawing

53 Control of Abnormal Load Deliveries SR\_P 006 Report

54 Radio Communication Protocol SR\_P 010 Drawing

55 Cable Routing Drawing External to Substations 1 B 93228 LLWR QMS

56 Site Information RDP Tranche 1 Project ‐ Minor Civils Construction (Enabling Works) LLWR‐RDP‐T1.00‐GEN‐034 Report

57 Redacted Live Services Drawing (as of 21/08/2019) CAD file LLWR‐RDP‐T1.00‐SK‐067 Sketch

58 Protection of Wildlife During Routine Activities RSG 2\_01 LLWR QMS

59 GA Site Plan Showing Existing Facilities RD195 Sketch

~~60 Appendix C ‐ 2150‐data‐sheet.pdf No ref Specification~~

~~61 Appendix C ‐ B‐AQUAMATECOLOR‐E\_1112\_RevA\_WEB.pdf No ref Specification~~

~~62 Appendix E ‐Minor Civils Earthworks Cut and Fill Diagram.pdf No ref Other~~

~~63 Crushed concrete gradings (4000 tonnes located south of Vault 9) No ref Other~~

64 HAZARD MAP A No ref Drawing

65 HAZARD MAP B No ref Drawing

66 HAZARD MAP C No ref Drawing

67 HAZARD MAP D No ref Drawing

68 POLICY 004 ‐ Environmental Health & Safety & Quality Policy Issue 8 LLWR QMS

#### 3.6 Schedule of Attendances

|  |  |  |
| --- | --- | --- |
|  | **GRAHAM to Provide (X)** | **Sub-Contractor to Provide (X)** |
| **GENERAL** |  |  |
| 1. Roads Maintenance | X |  |
| 2. Loading and Unloading of Materials and Equipment |  | X |
| 3. Distribution of Materials and Equipment (both vertically and horizontality) |  | X |
| 4. Hoisting |  | **X** |
| 5. Water Supply *(centrally located)* | X |  |
| 6. Waste Skips *(centrally located)* | X |  |
| 7. Space for storage of materials/plant *(Shared Storage)* | X |  |
| 8. Space for location of temporary accommodation | N/A | **N/A** |
| 9. Shared Health & Welfare facilities | X |  |
| 10. Personal Protection Equipment |  | **X** |
| 11. Shared Electricity Supplies – Graham to provide  110vpower to centralised ground level locations for small tools | X |  |
| 12. General Perimeter Site Lighting | X |  |
| 13. Task & Safety Lighting |  | **X** |
| 14. Standing Scaffold |  | X |
| **SPECIAL** |  |  |
| 15. Special Scaffold / Edge & Fall Protection |  | X |
| 16. Telephone/Fax |  | **X** |
| 17. Copying Machine |  | **X** |
| 18. Temporary Office Accommodation |  | **X** |
| 19. Protection of Works |  | **X** |
| 20. Drying the Works |  | **X** |
| 21. Cleaning |  | **X** |
| 22. Wheel Washing Facility |  | X |
| 23. Removal of Rubbish to centrally provided skips |  | X |
| 24. Segregation of rubbish for recycling |  | X |
| 25. Builders Work |  | **X** |
| 26. Control stations & datum | X |  |
| 27. Setting Out |  | **X** |
| 28. plant/Small Tools |  | **X** |
|  |  |  |

Note: Attendances will only be provided by GRAHAM for the initial contract duration.

Any Personal Protection Equipment provided by Graham construction to the subcontractor will be contra charged at cost plus 12%.

### 4.0 FORM OF SUBCONTRACT

NEC 4 Engineering and construction Subcontract Option B amended, as per attached Z clauses and Secondary Options

Secondary Options X16

Contract Data Part One is attached

Contract Data Part two is to be completed and returned by the Subcontractor

### 5.0 Bill of Quantities

### 

The Sub Contractor will price the following sections of the Bills of Quantities

BQ Attenuation Package

### 6.0 SCHEDULE OF APPENDICES TO THE NEC SUBCONTRACT.

The following is a schedule of Numbered Documents which will form the basis of the Sub-Contract

All the documents scheduled below are available for viewing and are accessible via a link, which will be issued under email as part of this enquiry. **The successful bid will be deemed to include for and comply with all requirements set out within these documents**. No entitlement will be granted to the Sub-Contractor for any additional monies in connection with any information detailed within these documents after the date upon which the Sub-Contract has been entered into.

The contract for the works comprises: -

- This form of agreement;

- the Conditions of contract in the form of the NEC4 Engineering and Construction Contract June 2017 including January 2019 amendments incorporating Option B with Bill of Quantities and the other options as set out in paragraph 1 (General) of the Subcontract Data;

- the completed Subcontract Data; and

- the Option Z Amendments and appendices the additional conditions of contract at Appendix J to the Subcontract Data part 1; and

5.5 the appendices below, being:

I. Appendix A – Scope Document LLWR-RDP-T1.00-GEN-033 rev C

II. Appendix B – Site Information

III. Appendix C – Copy of Contractor’s Programme

IV. Appendix D – Package Programme (Subcontractor to provide)

V. Appendix E – Priced activity schedule (Subcontractor to provide)

VI. Appendix F – Payment Schedule

VII. Appendix G – VAT Self Billing Agreement

VIII. Appendix H – Prospective employees

IX. Appendix J – Z Clauses: Additional and amended conditions of contract

X. Appendix K – Construction Industry Scheme compliance

XI. Appendix L – Pre-Start Meeting minutes

XII. Appendix M – Not used

Priority of documents

If there is any ambiguity, inconsistency or conflict in or between the documents comprising this contract, the priority of the documents is in accordance with the following sequence:

this Agreement;

the Z clauses and additional and amended conditions of contract;

the conditions of contract;

the Subcontract Data part one

the Subcontract Data part two

the Works information

the Site information