



The Coal  
Authority

# Lynemouth Mine Water Treatment Scheme

Design, Manufacture and Installation of Lagoon  
Baffles

Scope & Procurement Guidance

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## Lynemouth MWTS

### Design, Manufacture and Installation of Lagoon Baffles

#### Contractual References

This tender will be associated with Coal Authority reference CA18/2/1/37

The conditions of contract are the core clauses of the NEC3 Professional Services Short Contract April 2013.

#### Introduction

The *Employer* requires a pair of bespoke baffles to be designed, manufactured and installed in a lagoon located at Lynemouth Mine Water Treatment Scheme.

The Lynemouth Phase I mine water treatment scheme (MWTS) is located on the Northumberland coast on the site of the former Ellington Colliery. Coal mine water is abstracted at a rate of circa. 115 L/s from an abandoned mine shaft, treated through two lagoons configured in series before being discharged into the sea. The lagoons are constructed in colliery spoil and lined with an HDPE liner. The treatment process is designed to reduce total iron in the effluent which presents as ochre sludge in the lagoons; the mine water is currently subject to peroxide dosing. Lagoons are taken off line periodically (24 month intervals) to remove sludge by means of pumping.

The site is in a remote location there being no permanent welfare facilities on the site.

The *Employer* intends to install two baffles in lagoon No 1 in order to optimise:

- mean residence time;
- longitudinal mixing characteristics;
- reaction and settlement of ochre within the lagoon.

## Specification

The *Employer* requires the *Contractor* to design, manufacture and install two baffles in Lagoon No 1, as presented in Appendix B Conceptual Design, which will address the following criteria:

- Minimum design life should be 10 years
- Maximum input volume of mine water 125 L/s
- Normal lagoon water level of 10.24 m AOD (+/- 0.2m)
- Full depth baffles required
- Baffles are to present as a continuous, impermeable barrier across 70% width of the lagoon
- Parallel baffles to be installed at one third and two thirds along the length of lagoon No 1 to present a serpentine flow configuration through the lagoon
- Baffle leakage around the fixed edge adjacent to the lagoon side and bottom of the lagoon should be minimal
- Distortion of the baffle when in operation should be minimal (longitudinal and vertical)
- Resistant to UV degradation
- Resistant to mine water and dosing chemicals (hydrogen peroxide, sodium hydroxide)
- Operational temperature limits -20 C to + 45 C
- Anchorage and suspension mechanisms for baffles to ensure:
  - No detrimental impact on integrity of lagoon liner
  - Baffles to remain in-situ during de-sludge operation (lagoons will be completely drained to facilitate removal of ochre by pumping)
  - Take account of ochre accretion on the baffles e.g. additional weight
  - No impact on access for routine maintenance and inspection of the lagoon

In addition to the installation of the baffles, modifications are required to the inlet and outlet weirs (see Appendix B Conceptual Design) in the lagoons as follows:

- Flow into the lagoon should be restricted to 25% the length of the inlet weir
- Discharge from the lagoon should be restricted to 25% of the length of the outfall weir
- The arrangements to restrict flow should be such that they can be readily modified at a later date so that the length of open weir that facilitates flow can be changed
- Design to utilise durable materials suitable for long term immersion in mine water

## **Services to be provided by the Contractor**

- 1) Site inspection to assess site constraints and site survey to ensure accurate measurements are made to facilitate design and installation of baffles and weir modifications
- 2) Design of baffles, all associated infrastructure and weir inlet and outlet modifications – detailed drawings, specifications and design standards to be provided
- 3) Supply of baffles and all associated infrastructure
- 4) Provision of all Health and Safety information including Safe system of work, Method Statement, Risk Assessment and attendance at pre-start meeting on site
- 5) Provision of welfare facilities
- 6) All plant, labour and materials to install and commission the baffles and weir modifications
- 7) Health and Safety File – Including comprehensive details as to how baffles are to be installed, removed and maintained in a safe manner, including handover to the *Employer*

## **Additional information**

- 1) Appendix A - Site location plan
- 2) Appendix B – Conceptual Design
- 3) Appendix C - General arrangement Drawing (High Resolution file provided separately)
- 4) Appendix D - Extract from Health and Safety File relating to settlement ponds
- 5) Appendix E - Site photographs
- 6) Appendix F – Health and Safety Information (Pre Works Information Form)
- 7) Appendix G - Water monitoring data (Microsoft Excel Workbook provided separately)
- 8) Appendix H – Standard detail relating to lagoon and weir construction

## Price List

Additional items may be added to the Price List by the *Contractor* to ensure that all costs associated with the project are accounted for.

Item	Description	Unit	Quantity	Rate	Price
1	Site inspection and survey	L Sum		£	£
2	Design: Baffle and Weir modification			£	£
3	Baffles: manufacture & deliver to site			£	£
4	Pre-start meeting (on site)	L Sum		£	£
5	Provision of welfare facilities			£	£
6	Install and commission baffles and implement modifications to the inlet and outlet weirs			£	£
7	Provision of Health and Safety File and handover	L Sum		£	£
8				£	£
9				£	£
10				£	£
11				£	£
<b>FIXED PRICE LUMP SUM</b>					£

A financial ceiling will be set, based upon the appointed *Contractor's* financial submission. The financial ceiling will not be exceeded by the appointed *Contractor* without prior justification and the written authorisation of the Coal Authority's Project Manager.

The tender should be submitted on a fixed price basis and should remain open for acceptance for a period of 120 days from the closing date for the receipt of tenders.

## Indicative Timetable

The indicative timetable of the procurement process is as follows:

Task	Date
Invitation to Tender published	09 August 2019
Site visit	21 August 2019
Tender Period Closes	10 September 2019
Contract Award	17 September
Preferred completion of installation	Award plus two months

## **Site Visit**

Interested parties are invited to visit the Lynemouth site for an escorted inspection of the Lagoon on **21 August 2019 at 10:00 hrs**

**Please confirm your attendance at this visit by way of a message on the Coal Authority's e-sourcing portal.**

**Please also confirm names and contact details of those attending.**

## **Tender Return & Assessment Criteria**

The ITT Bid evaluation will be based on the technical and financial proposals within the bids and the information set out in each compliant bid

Bidders must accept the Coal Authority's terms & conditions.

The Coal Authority will reject any Bid which is not a Compliant Bid.

### **Stage 1 – Core Assessment**

The assessment at Stage 1 will comprise of a number of questions on the following topics:

- General & Organisation
- Economic & Financial & Legal Standing and Insurance
- Safety, Health & Environmental Issues

These elements will be assessed on a minimum “meets requirements” basis.

The Authority reserves the right to exclude any bid that does not meet the minimum requirements for these elements

The “meets requirements” score required in the health and safety and environmental sections of the questionnaire is 40%.

The Authority will exclude a bid from this process if it establishes that the economic operator has been convicted of any of the offences defined in Regulation 57 of the Public Contract Regulations 2015

Bids meeting requirements will then be evaluated on the basis of the most economically advantageous tender.

Your tender should be submitted on a fixed price basis and should remain open for acceptance for a period of 120 days from the closing date for the receipt of tenders.

Tenders received after the tender closing date will not be considered. Failure to comply with the provisions of these Instructions or to complete the tender document in full and without alteration may also result in the disqualification of your tender.

Your submitted tender rates and prices must be exclusive of Value Added Tax.

A Bid shall only be a compliant bid if the following documents have been completed and submitted:

- Qualification Envelope completed in the InBye e-portal
- Technical Questionnaire and Responses - Completed in the InBye e-portal

The tendering *Contractors* are to ensure that the registered contact details on the eTendering portal are correct for this process.

In order to register, please log on to <https://inbye.coal.gov.uk/s2c/> following the links and should you have any difficulties with this procedure, please contact Peter Kobryn on 01623 637302

The tender will be awarded on the basis of the most economically advantageous tender and will be assessed based upon a **65% Quality and 35% Financial split**, with the quality assessment being completed prior to the financial assessment.

The documentation to be submitted is as follows:

- Quality Submission (Design Proposal) is required on the eTendering portal.
- Financial submission is to be submitted on the eTendering portal.

## Quality Assessment

### Quality Scoring Assessment for Stage Two

Assessment	Detail	Score
<b>Adds Value</b>	The evaluators are satisfied that the submission demonstrates clearly and convincingly how all the <i>Employer's</i> requirements in the area being evaluated will be delivered in an excellent way adding value	<b>5</b>
<b>Meets Requirements</b>	The evaluators are satisfied that the submission demonstrates how the <i>Employer's</i> requirements in the area being evaluated will be met to an acceptable standard.	<b>4</b>
<b>Minor Concerns</b>	The evaluators consider that the submission demonstrates how most of the <i>Employer's</i> requirements for the area being evaluated will be delivered but there are areas of minor concern.	<b>3</b>
<b>Significant Concerns</b>	The evaluators consider that the submission leaves them with significant concerns about the requirements for the area being evaluated being delivered in an acceptable manner	<b>2</b>
<b>Unacceptable</b>	Either <ul style="list-style-type: none"> <li>• no proposals are submitted in relation to the aspect of the proposals for delivery being evaluated,</li> <li>• the evaluators consider that the submission fails to demonstrate how the <i>Employer's</i> requirements for the area being evaluated will be delivered or</li> <li>• the evaluators have major reservations about the approach or solution proposed in the submission in relation to the area being evaluated</li> </ul>	<b>0</b>

**The Coal Authority reserves the right to deem any submission scoring a 0 or 2 for any scored question as non - compliant and as such may be excluded from consideration**

Requirements and weightings for the quality elements of this tender are detailed below:

Subject	Question	High Scoring Response
<b>Design Proposal 50%</b>	By way of attachment please provide a design proposal (detailed design) and specify the design standards used.	The design proposal gives a significant level of detail relating to the baffles, anchor and suspension mechanism and weir modification. No concerns with delivery of the work.
<b>Case Study- 25%</b>	By way of an attachment please provide details of other baffles that have been designed and installed.  Please limit your response to 3 sides of A4.	Provides detailed case studies. Demonstrates significant understanding of how lessons learnt could be applied adding value to this scope.
<b>Programme – 25%</b>	By way of attachment provide a programme identifying key tasks and dates in relation to the scope.  Please limit your response to 1 side of A3 or A4.	The provided programme gives a significant level of detail. No concerns with delivery of the work.

## Guidelines

The questionnaire should be completed by the *Contractor's* partner/director/senior manager.

Please answer each question fully. The *Employer* stresses the value and importance of substantiating answers with supporting documentation when requested.

The questionnaire should be completed accurately, if successful this document will form part of the contract.

Organisations currently providing services to the *Employer* must provide full details as requested and not just refer to the *Employer*.

## Assessment & Feedback

The *Contractor's* tender submissions will be assessed in accordance with selection criteria.

The *Employer* will provide feedback to Contractors who are not successful through the issue of a letter providing debrief information on the assessment of the tender, scoring and confirmation of the successful tenderer.

## **Acceptance Procedure**

The *Employer* does not bind itself to accept the *Contractor's* tender and will not be responsible for, nor pay for, any expenses or losses which may be incurred by the *Contractor* in the preparation of the tender.

It is intended that the procurement process will take place in accordance with the provisions of this ITT but the *Employer* reserves the right to terminate, suspend, amend or vary this procurement process by notice to all potential bidders in writing.

The *Employer* will have no liability for any losses, costs or expenses caused to *Contractors* as a result of such termination, suspension, amendment or variation.

No tender shall be deemed to have been accepted unless such acceptance has been notified in writing to the *Contractor*.

Whether or not the tender is accepted, the *Contractor* must treat the details of all tender documents as private and confidential. If the *Contractor* decides not to submit a tender, The *Contractor* must reply stating that the tender is rejected and provide a comment why.

If the *Contractor* requires clarification then a query through the online messaging facility should be submitted.

## **Declaration**

We declare that this is a bona fide tender, intended to be competitive, and that we have not fixed or adjusted the amount of the tender by or under or in accordance with any agreement or arrangement with any other person.

We also declare that we have not done and we undertake that we will not do at any time before the returnable date for this tender any of the following acts:-

- a) Communicate to a person other than the person calling for these tenders the amount or approximate amount of the proposed tender;
- b) Enter into any agreement or arrangement with any other person that he shall refrain from tendering or as to the amount of any tender to be submitted;
- c) Offer, pay or give or agree to pay or give any sum of money or valuable consideration directly or indirectly to any person for doing or having done or causing or having caused to be done in relation to any other tender or proposed tender for the said work any act or thing of the sort described above.

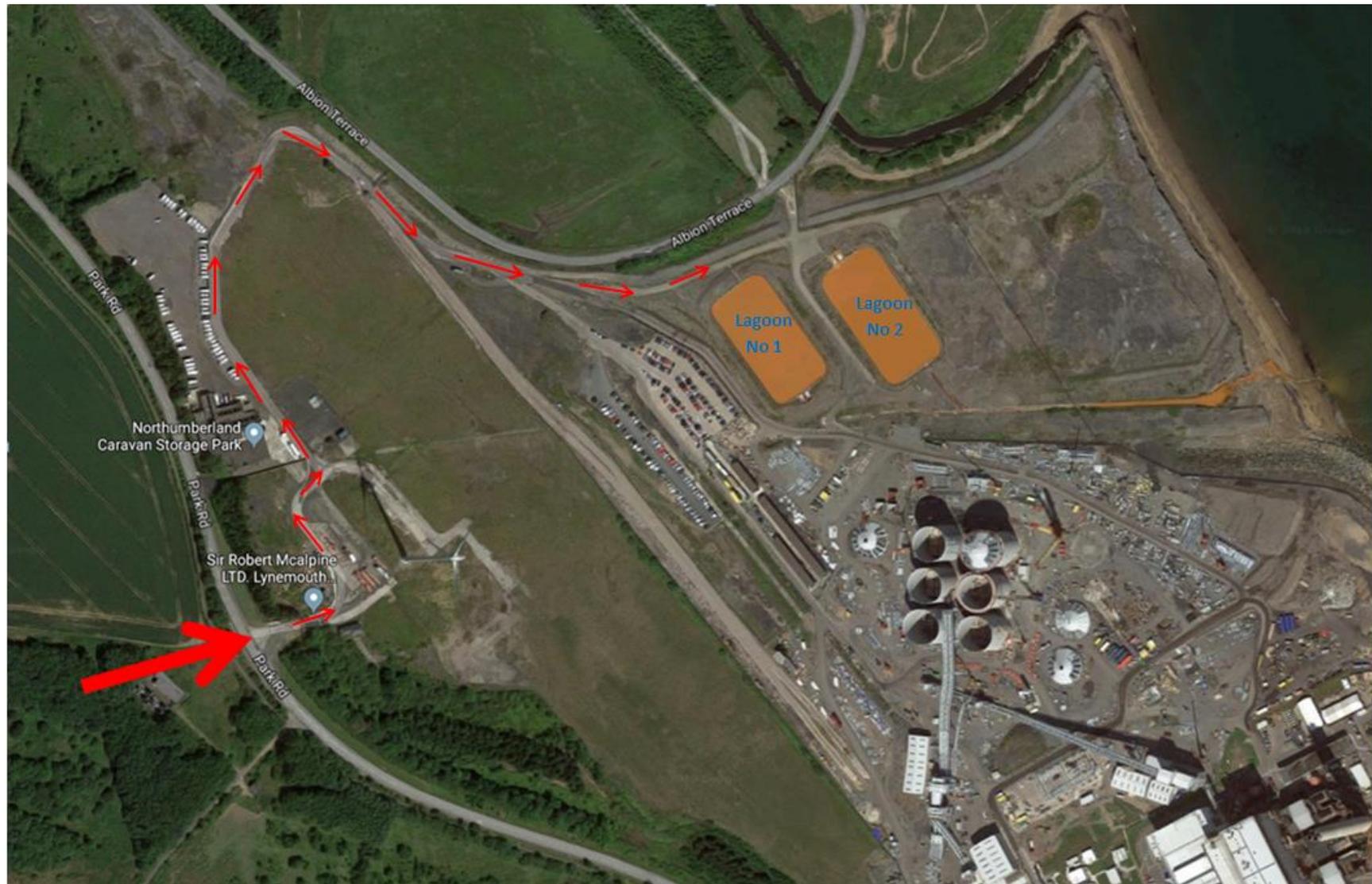
In this declaration the word 'person' includes any persons and any body or association, corporate or unincorporated; and 'any agreement or arrangement' includes any such transaction, formal or informal, and whether legally binding or not.

# Appendix A: Location Plan

Lynemouth – Mine Water Treatment Scheme. Former Lynemouth Colliery, Lynemouth, Morpeth NE61 5XL

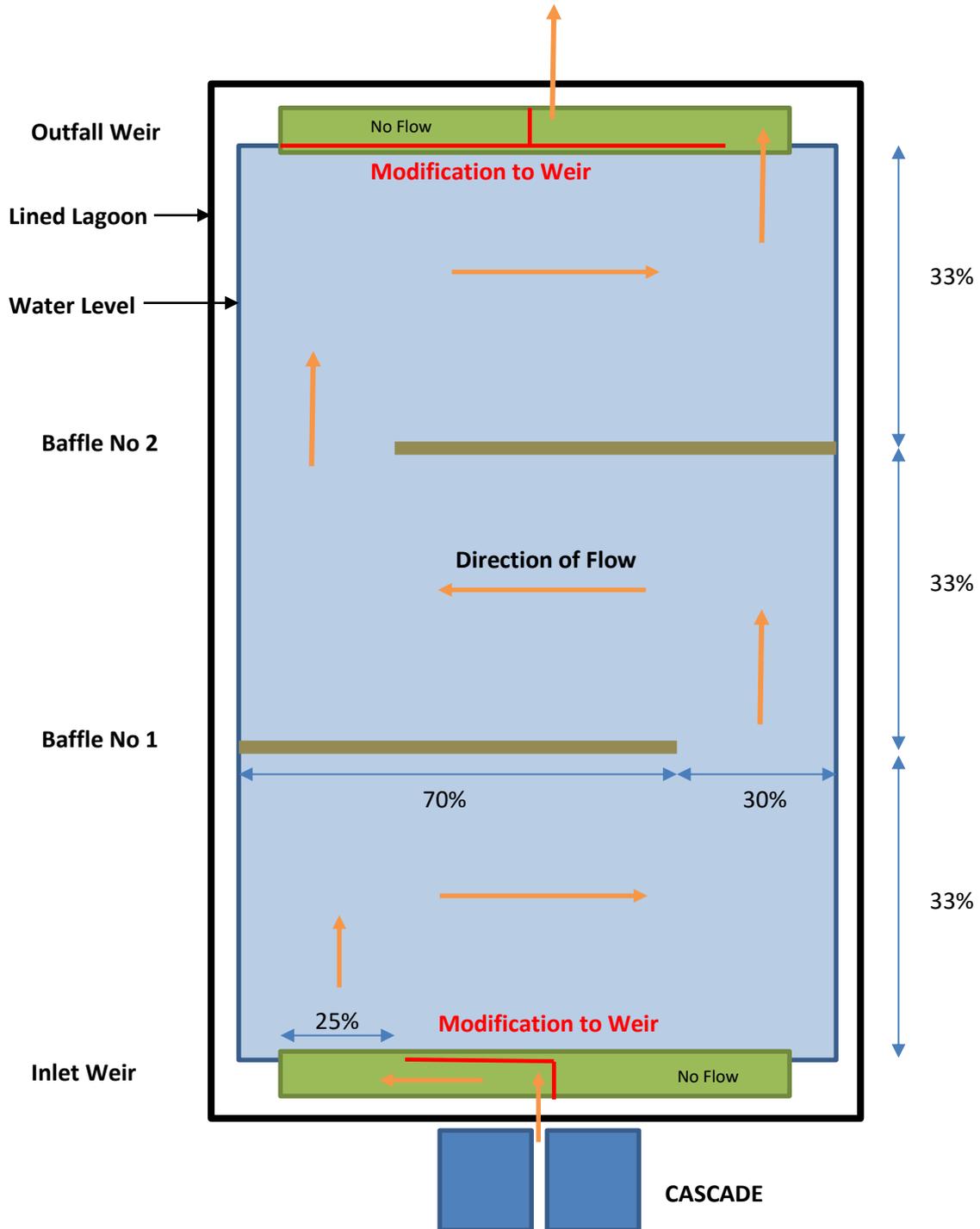


**APPENDIX A: LOCATION PLAN: Lynemouth – Mine Water Treatment Scheme. Former Lynemouth Colliery, Lynemouth, Morpeth NE61 5XL**



# Appendix B: Conceptual Design

## Lagoon No 1





## Appendix D: Extract from Health & Safety File

### 2.9. Settlement Ponds

2.9.1. Two settlement ponds, SP1 and SP2, with operational volumes of approximately 11,000m<sup>3</sup> and 12,250m<sup>3</sup> respectively (23,250m<sup>3</sup> combined) have been constructed within the within the treatment site area. These are connected in series by a pre-cast concrete transfer channel located at the northern end of the settlement ponds.

2.9.2. The combined storage capacity of the settlement ponds which could escape in the event of failure is below the current limit (25,000m<sup>3</sup>) at which the Reservoirs Act would apply.

2.9.3. The depth of the settlement ponds varies from approximately 2.75m at their inlets to approximately 3.5m at their outlets. The operational water levels are 10.24mAOD in SP1 and 7.07mAOD in SP2 according to the as-built survey levels provided by JN Bentley.

2.9.4. The settlement ponds have been lined with geo-synthetic 2mm thick LLDPE liner. The liner material is double textured to reduce the risk of slipping should access on the liner be required by personnel during possible future maintenance.

2.9.5. The LLDPE liner is secured by an anchor trench at the crest of the settlement pond earthworks. The liner is directly welded to the inlet and outlet structures by means of an embedded LLDPE strip which runs along the front and side walls of the inlet and outlet structures.

2.9.6. The LLDPE liners were subjected to non-destructive weld testing during installation with a subsequent water retention test also undertaken following completion of the liner installation to confirm the liner integrity.

2.9.7. Flows are distributed across the width of the settlement ponds by pre-cast concrete inlet and outlet structures. These are fitted with adjustable v-notch boards to allow the even distribution of flows across the width of the inlets and outlets to be maintained. Access to the inlet and outlet structures for maintenance is gained from footpaths which run behind the structures. The inlet and outlets are fitted with a handrail along their front face to prevent falls into the settlement ponds.

2.9.8. Both settlement ponds have been provided with overflows to prevent overtopping in the event of blockages to the outlet structures. The overflows comprise 315mm outer diameter SDR17 PE80 MDPE pipes. The overflow from SP1 is connected to SP2 with the overflow from SP2 connected to the final discharge pipe from SP2 to the scheme monitoring structure.

2.9.9. To maintain the treatment capacity of the settlement ponds it is anticipated that de-sludging will be required on rotational basis approximately every 12 to 24 months depending on operational flow rates and the iron concentration of the raw mine water.

2.9.10. If de-sludging is required during the Phase 1 pumping test temporary suspension of mine water abstraction will be required. Sludge removal will then need to be undertaken by over pumping directly from the settlement lagoons.

### Appendix E: Photographs

Lagoon No 1 construction earthworks (outfall in foreground)

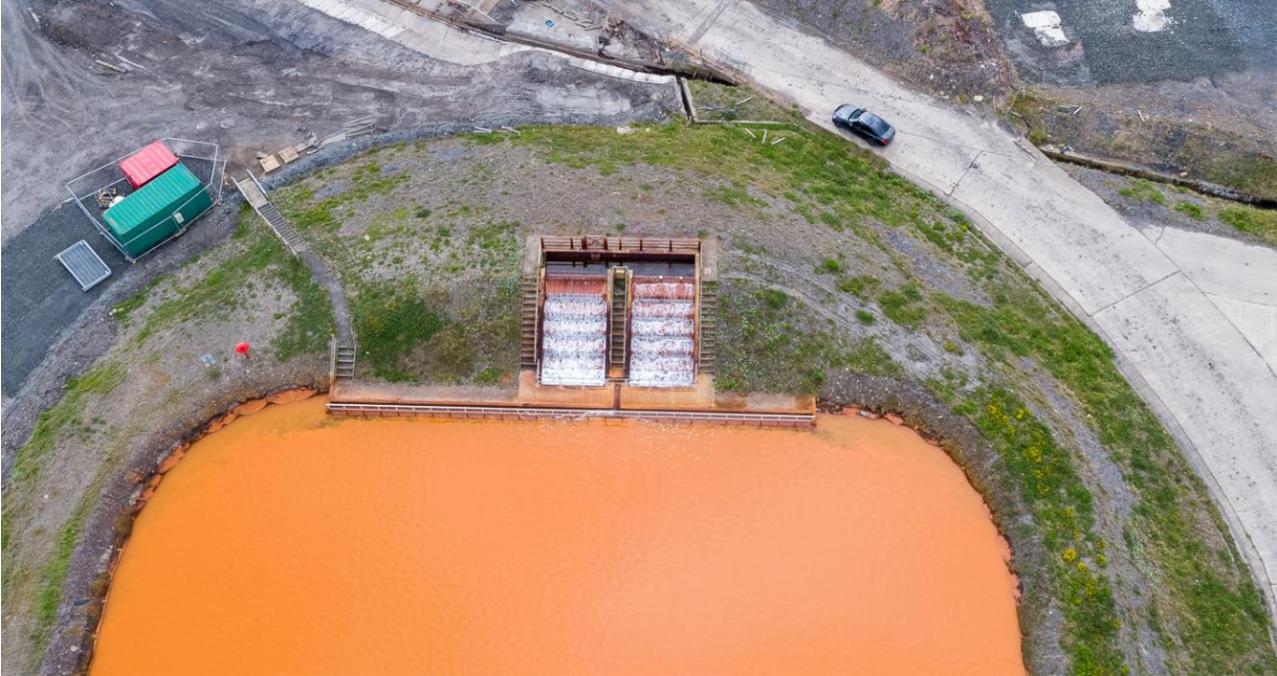


Lagoon No 1 – Direction of Flow



**APPENDIX E: Photographs**

**Inlet channel, cascade, chemical dosing station (green container)**



### APPENDIX E: Photographs

Inlet channel & cascade



Outfall Channel



## Appendix F: H&S Information (Pre Works Information Form)

<b>Pre-works Information Form</b>		<b>Project Reference:</b>		<b>Date:</b>	
		RD00777 (Lynemouth)		06 August 2019	
<b>Project description:</b>					
Lynemouth Phase I Lagoon No 1: Installation of baffles & modification of inlet and outlet weirs					
<b>Key details:</b>					
<b>Property Address</b>		<b>Key Dates and Working Hours</b>		<b>Supporting Documentation</b>	
Former Lynemouth Colliery, Lynemouth, Morpeth NE61 5XL		TBC		Specification, Services to be Provided by <i>Contractor</i> , Price List, Site location plan, General arrangement, Extract from Health and Safety File, Site photographs, Water quality data, Standard details	
<b>Client</b>		<b>Project Manager</b>		<b>SHE Advisor</b>	
Coal Authority		Colin Lambert		TBC	
				<b>Contractor</b>	
				TBC	
<b>Description of the Works</b>					
<ul style="list-style-type: none"> <li>• The <i>Employer</i> requires a pair of bespoke baffles to be designed, manufactured and installed in Lagoon No 1 located at Lynemouth Mine Water Treatment Scheme</li> <li>• The inlet and outlet weirs are to be modified to restrict flow.</li> </ul>					
<b>Significant Risks</b>					
<ul style="list-style-type: none"> <li>• Working near water (lagoons) will present the risk of drowning and exposure to water borne disease such as Leptospirosis (Weil's disease) when undertaking the following activities: <ul style="list-style-type: none"> <li>○ Modifying inlet \ outlet flow arrangements in lagoons</li> <li>○ Installing, commissioning and operation of baffles</li> </ul> Mandatory requirement for all personnel to wear life jacket when working within 2m of water. </li> <li>• Working in close proximity to water in lagoons and transfer channels where the mine water may be subject to chemical dosing with peroxide and or floc blocks</li> <li>• Plant and machinery working in close proximity to the lagoon edge – soft spots may be present leading to instability of ground (particularly anchor trench for lagoon liner).</li> <li>• Potential shared access with other Contractors <ul style="list-style-type: none"> <li>○ Severn Trent Services may be undertaking routine maintenance on the site</li> <li>○ JNB Bentley may be managing construction activity</li> <li>○ vehicle movements and third party heavy plant may be present</li> <li>○ pedestrians may be present</li> </ul> </li> <li>• Access to lagoons and drying bed <ul style="list-style-type: none"> <li>○ Limited presence of stop blocks along edges of lagoons and sludge drying bed</li> <li>○ Unsurfaced access route (shale \ colliery spoil) susceptible to rutting</li> <li>○ Embankments are constructed from colliery spoil and may be slippery</li> </ul> </li> <li>• All work activity will be undertaken outdoors on an exposed site located on the coast <ul style="list-style-type: none"> <li>○ Exposure to elements: strong winds, rain, sun</li> <li>○ No permanent welfare facilities available</li> </ul> </li> <li>• Manual handling <ul style="list-style-type: none"> <li>○ Working with materials adjacent to steep sided HDPE lined lagoons with deep water</li> </ul> </li> <li>• Slip, Trip &amp; Fall <ul style="list-style-type: none"> <li>○ Personnel working on rough terrain (mudstone) which is prone to deterioration/rutting in wet weather which may present slip, trip &amp; fall hazard</li> </ul> </li> </ul>					

<b>Client's Considerations and Management Requirements</b>
<p data-bbox="268 255 1082 288"><b>1. Specific issues associated with planning and managing the work</b></p> <ul style="list-style-type: none"> <li data-bbox="268 293 1433 427">● The <i>Contractor</i> will visit the site prior to the works commencing to ensure adequate planning and management provisions are put in place to execute the works. <ul style="list-style-type: none"> <li data-bbox="316 365 1289 427">○ A pre-start meeting will take place and include review of all Health, Safety and Environmental controls to be implemented by the <i>Contractor</i></li> </ul> </li> <li data-bbox="268 439 1369 501">● <i>Contractor</i> must demonstrate that the site supervisor has sufficient knowledge, skill and experience to supervise the operations on site</li> <li data-bbox="268 512 1465 613">● Risk Assessments and Method Statements (RAMS) will be suitable, sufficient and proportionate <ul style="list-style-type: none"> <li data-bbox="316 546 1102 580">○ Submitted two weeks prior to work commencing work on site</li> <li data-bbox="316 584 1214 613">○ Must be communicated to those carrying out the work prior to starting</li> </ul> </li> <li data-bbox="268 624 1449 792">● COSSH assessments relating to materials used in the course of the works must be available for inspection on site <ul style="list-style-type: none"> <li data-bbox="316 692 1145 725">○ Appropriate storage and handling procedures to be implemented</li> <li data-bbox="316 730 1023 763">○ Assess need to undertake manual handling assessment</li> <li data-bbox="316 768 927 792">○ Ensure appropriate PPE is available and utilised</li> </ul> </li> <li data-bbox="268 804 1150 866">● A qualified First Aider must be present during the course of the works <ul style="list-style-type: none"> <li data-bbox="316 833 1034 866">○ Evidence of qualification available for inspection on site.</li> </ul> </li> <li data-bbox="268 878 1187 1046">● Emergency Planning must demonstrate: <ul style="list-style-type: none"> <li data-bbox="316 911 1091 945">○ Recognition and planning to deal with potential emergencies</li> <li data-bbox="316 949 1187 983">○ Procedures to detail action to be taken in the event of an Emergency</li> <li data-bbox="316 987 970 1021">○ Location of closest Accident &amp; Emergency Hospital</li> <li data-bbox="316 1025 655 1046">○ Lone working procedure</li> </ul> </li> <li data-bbox="268 1057 1453 1337">● The works will be planned with the aim of eliminating risk as far as is reasonably practicable <ul style="list-style-type: none"> <li data-bbox="316 1090 1406 1124">○ Zero construction and environmental accidents/incidents are expected on this scheme.</li> <li data-bbox="316 1128 1433 1162">○ Where Personal Protective Equipment is required, it shall be available and fit for purpose</li> <li data-bbox="316 1167 1406 1267">○ Minimum PPE requirements are: lace up boots, hi-viz jacket/waistcoat (class 2), safety helmet and gloves, eye protection and life vest for work undertaken within 2m of open water.</li> <li data-bbox="316 1272 1453 1337">○ The <i>Contractor</i> shall monitor and record SHE observations (including positive interventions and near misses) and provide these to TCA</li> </ul> </li> <li data-bbox="268 1348 1342 1449">● The <i>Contractor</i> will ensure that all staff and/or visitors undertake a proportionate site induction. <ul style="list-style-type: none"> <li data-bbox="316 1415 1374 1449">○ Records of site inductions are to be made and readily available for inspection on site</li> </ul> </li> </ul>
<p data-bbox="268 1480 416 1514"><b>2. Welfare</b></p> <p data-bbox="268 1518 879 1552">There are no welfare facilities available on the site.</p> <ul style="list-style-type: none"> <li data-bbox="316 1556 1449 1912">● If personnel are to be present on site throughout the working day on consecutive days at any point during the course of the work, provision for the following facilities is to be made available from the outset, for the duration of the work <ul style="list-style-type: none"> <li data-bbox="363 1666 858 1700">○ A supply of clean, hot and cold water</li> <li data-bbox="363 1704 1433 1769">○ Drinking water must be provided or made available at readily accessible and suitable places</li> <li data-bbox="363 1774 906 1807">○ Soap or other suitable means of cleaning</li> <li data-bbox="363 1812 906 1845">○ Towels or other suitable means of drying</li> <li data-bbox="363 1850 687 1883">○ Means of heating food</li> <li data-bbox="363 1888 1449 1912">○ Facility with seating, means of drying and keeping clothing and personal effects secure</li> </ul> </li> </ul>

<b>3. Security</b>
The area is located in a remote location. <ul style="list-style-type: none"> <li>• Appropriate arrangements will be implemented to ensure that equipment and materials are not tampered with, damaged or stolen.</li> </ul>
<b>4. Confined space</b>
There is no requirement to enter a confined space
<b>5. Emergency and rescue procedures</b>
Adequate provision must be made for emergency situations and rescue. <ul style="list-style-type: none"> <li>• The <i>Contractor</i> will ensure that working mobile telephones are available in the work area at all times and signal strength is adequate to call on Emergency Services <ul style="list-style-type: none"> <li>• Adequate information will be immediately available to all personnel to advise emergency service where the site is located, the means by which access will be gained and the specific location where work is being carried out within the site.</li> <li>• The main risk is that of drowning as the <i>Contractor</i> will work in close proximity to lagoons. <ul style="list-style-type: none"> <li>○ Where any activity presents a high risk of drowning, lone working will not be permitted.</li> <li>○ Before undertaking any activity within 2m on water, the <i>Contractor</i> shall ensure that all lifelbelts are present, complete with throw lines.</li> <li>○ Personnel engaged in work that is within 2m of water will wear life jackets.</li> </ul> </li> </ul> </li> </ul>
<b>6. Environmental restrictions and existing on site risks</b>
<ul style="list-style-type: none"> <li>• No action will be taken that may have a detrimental impact on the quality of the consented discharge from the site</li> <li>• The <i>Contractor</i> will not amend or otherwise interfere with any chemical dosing of the mine water that is intended to ensure that discharge consents are achieved</li> </ul>
<b>7. Traffic management</b>
<ul style="list-style-type: none"> <li>• The <i>Contractor</i> will liaise with other parties working on site (potentially Severn Trent Services and J N Bentley) to ensure that Traffic Management plans are complimentary and that no conflicts occur</li> <li>• It is anticipated that minimal traffic will be required by the <i>Contractor</i> comprising a limited number of vans and cars</li> <li>• Designated parking areas will be established and communicated to all personnel <ul style="list-style-type: none"> <li>○ Reverse parking will be implemented</li> </ul> </li> <li>• Designated walkways will be established and communicated to all personnel</li> </ul>
<b>8. Access and egress</b>
<ul style="list-style-type: none"> <li>• The access route to the area of work in the site is shown on the General Arrangement drawing; the <i>Contractor</i> will not deviate from using the approved route.</li> <li>• No traffic will be permitted to drive along the elevated embankments of lagoons unless otherwise approved in writing.</li> </ul>
<b>9. Falls from height</b>
No working at height anticipated
<b>10. Collapse of excavations</b>
No excavations
<b>11. Collapse of structures</b>
No structures

<b>12. Asbestos</b>				
<ul style="list-style-type: none"> <li>• Asbestos has been identified within the site and secured within a fenced off area.</li> <li>• No asbestos has been identified in the work area near the lagoons                         <ul style="list-style-type: none"> <li>○ The nature of the work is unlikely to expose personnel to asbestos</li> <li>○ Diligence is required should any asbestos containing materials be identified within the working area</li> <li>○ Identification of any suspected asbestos containing material should be reported to the client</li> </ul> </li> </ul>				
<b>13. Dust</b>				
<ul style="list-style-type: none"> <li>• The tasks undertaken by the <i>Contractor</i> are unlikely to generate dust.</li> <li>• Wind-blown dust from the surrounding area is possible although the likelihood and risk of significant dust being generated are considered to be low.</li> <li>• Where wind borne dust presents a risk to personnel, appropriate steps will be taken to eliminate detrimental effects to personnel</li> </ul>				
<b>14. Other dangers/considerations on site</b>				
<ul style="list-style-type: none"> <li>• None evident</li> </ul>				
<b>Additional Comments</b>				
<p><b>NB:</b> Upon completion of this pre-works information a copy must be supplied to the <i>Contractor(s)</i> to enable the Risk Assessments/Method Statements to be completed. A record of the <i>Contractor(s)</i> receipt of the form shall be maintained within Conject/Wisdom.</p>				
<b>Suitable Yes/No</b>	<b>Revision</b>	<b>Issue Date</b>	<b>Reviewed</b>	<b>Checked</b>
<p><b>NB:</b> The overall choice of risk control measures is the responsibility of the <i>Contractor</i>. The Coal Authority requires the <i>Contractor</i> to implement the hazard control measures for those areas identified in this Pre-works Information within the subsequent Risk Assessments/Method Statements and Permits to Work.</p>				
<i>Contractor</i> <b>Representative Name (Print)</b>	<b>Date</b>	<b>Position</b>	<b>Signature</b>	
<p>I accept this Pre-works Information and agree to implement the appropriate control measures within the subsequent Risk Assessments/Method Statements and Permits to Work.</p>				

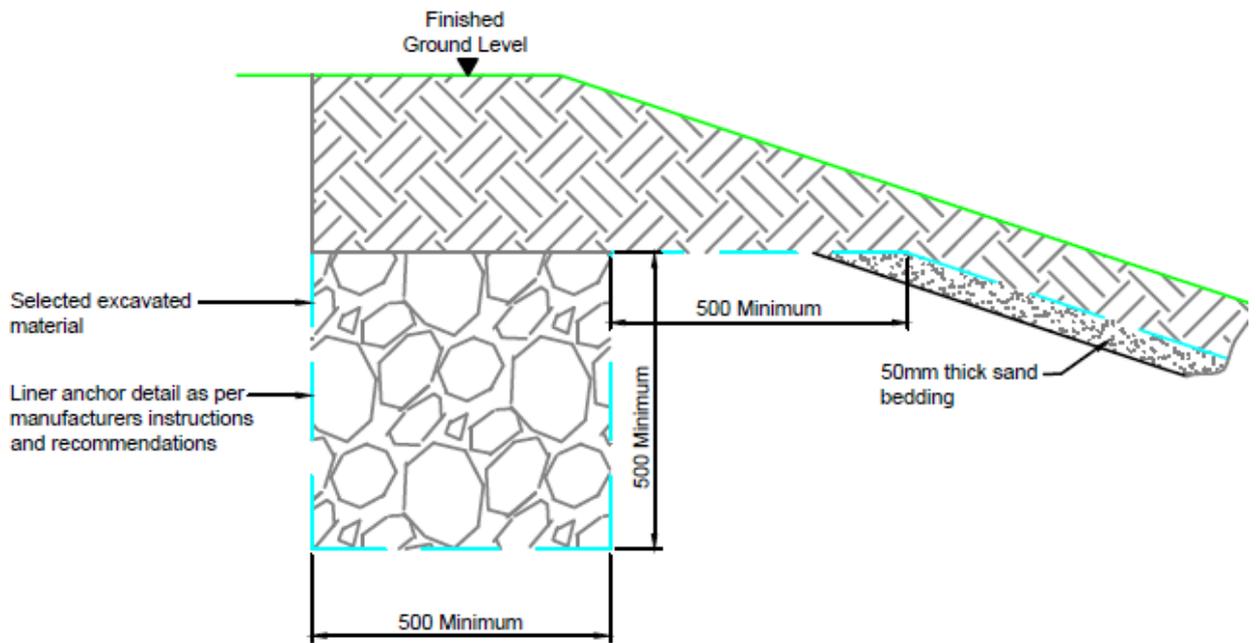
# **Appendix G: Water monitoring / quality data**

**(Microsoft Excel Workbook provided separately)**

### Appendix H: Standard Detail (Contents)

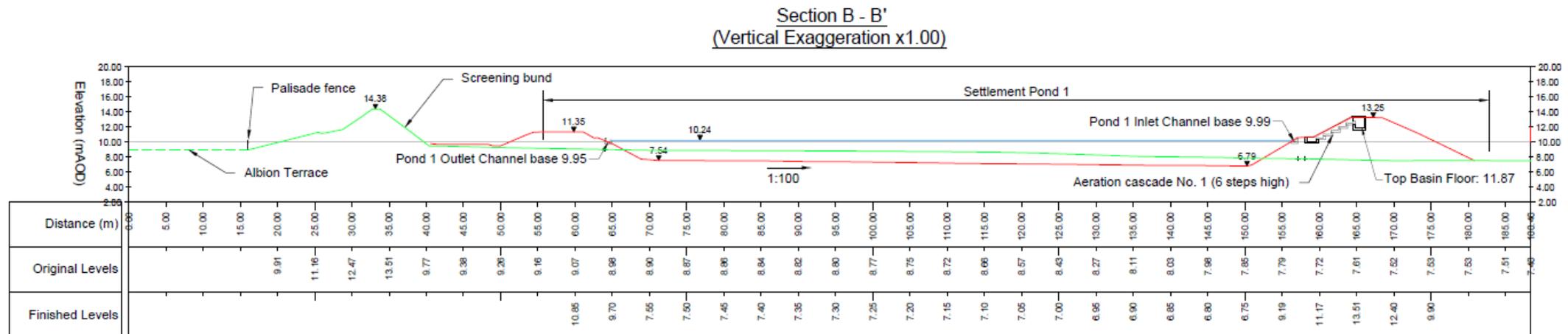
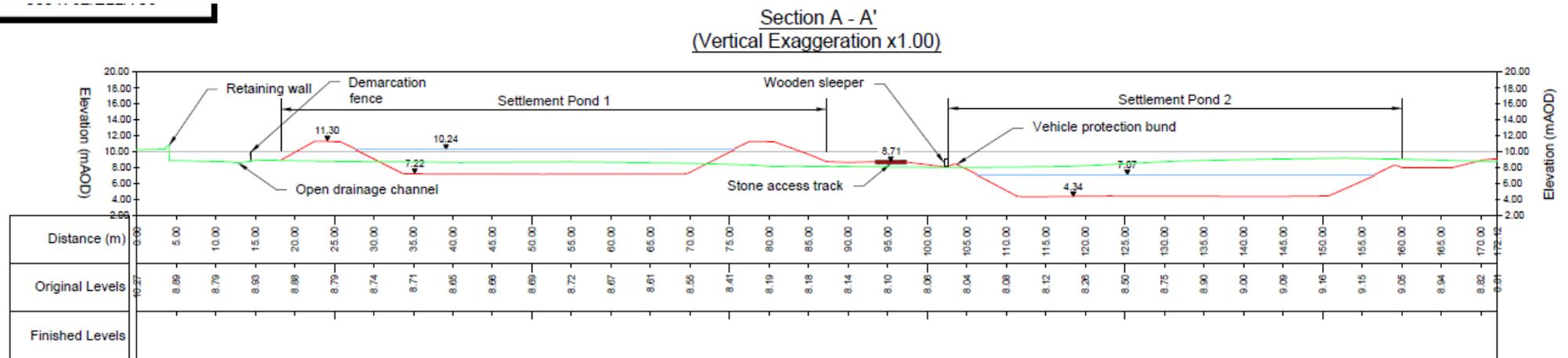
- Standard Details. Lagoon liner anchor trench
- Standard Details. General Cross-Sections (Lagoon No 1)
- Standard Details. Inlet & Outlet Channels (Lagoon No 1)
- Standard Details. Inlet & Outlet Channels Section

### Appendix H: Standard Details. Lagoon liner anchor trench

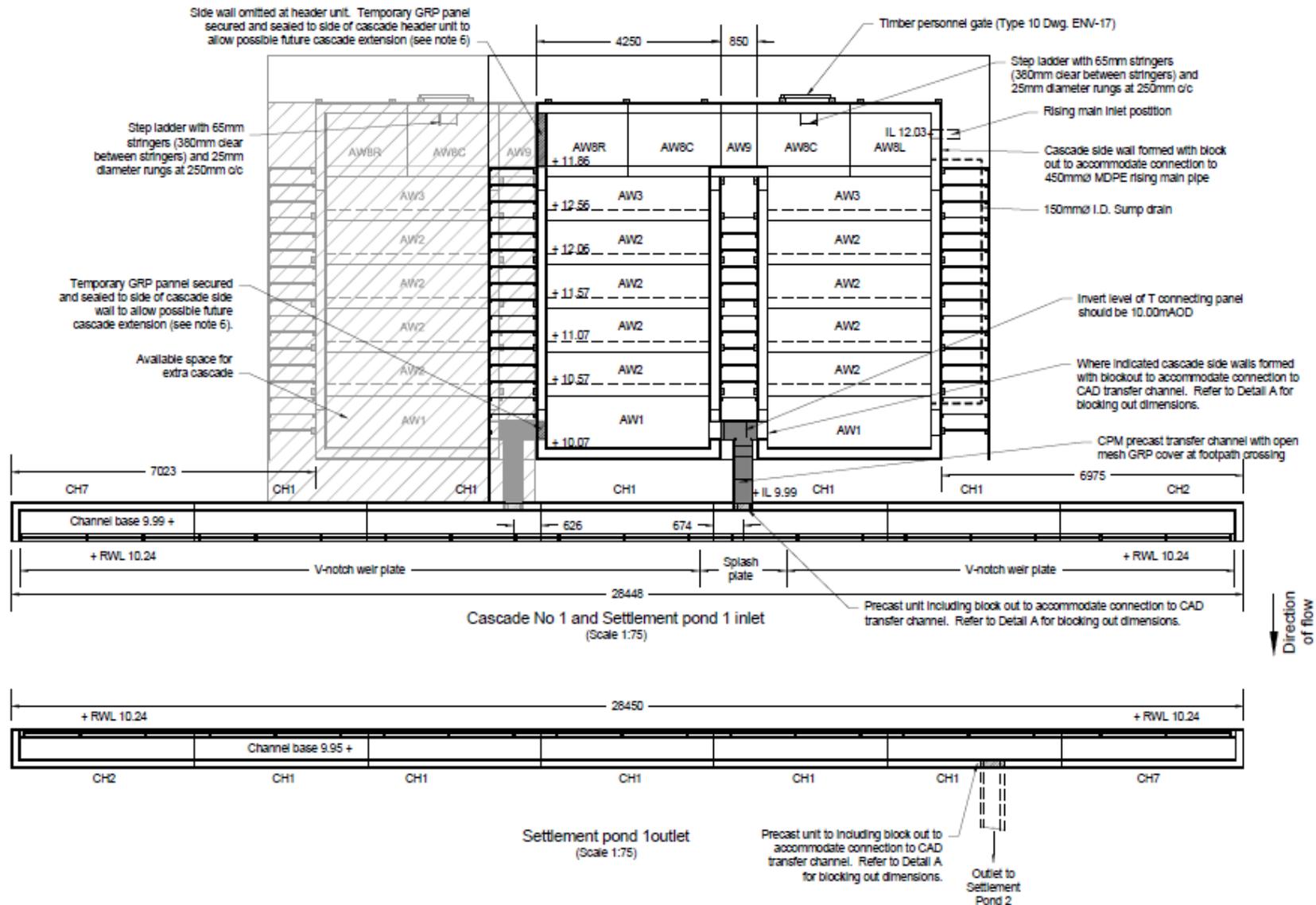


HDPE Liner Anchor Detail

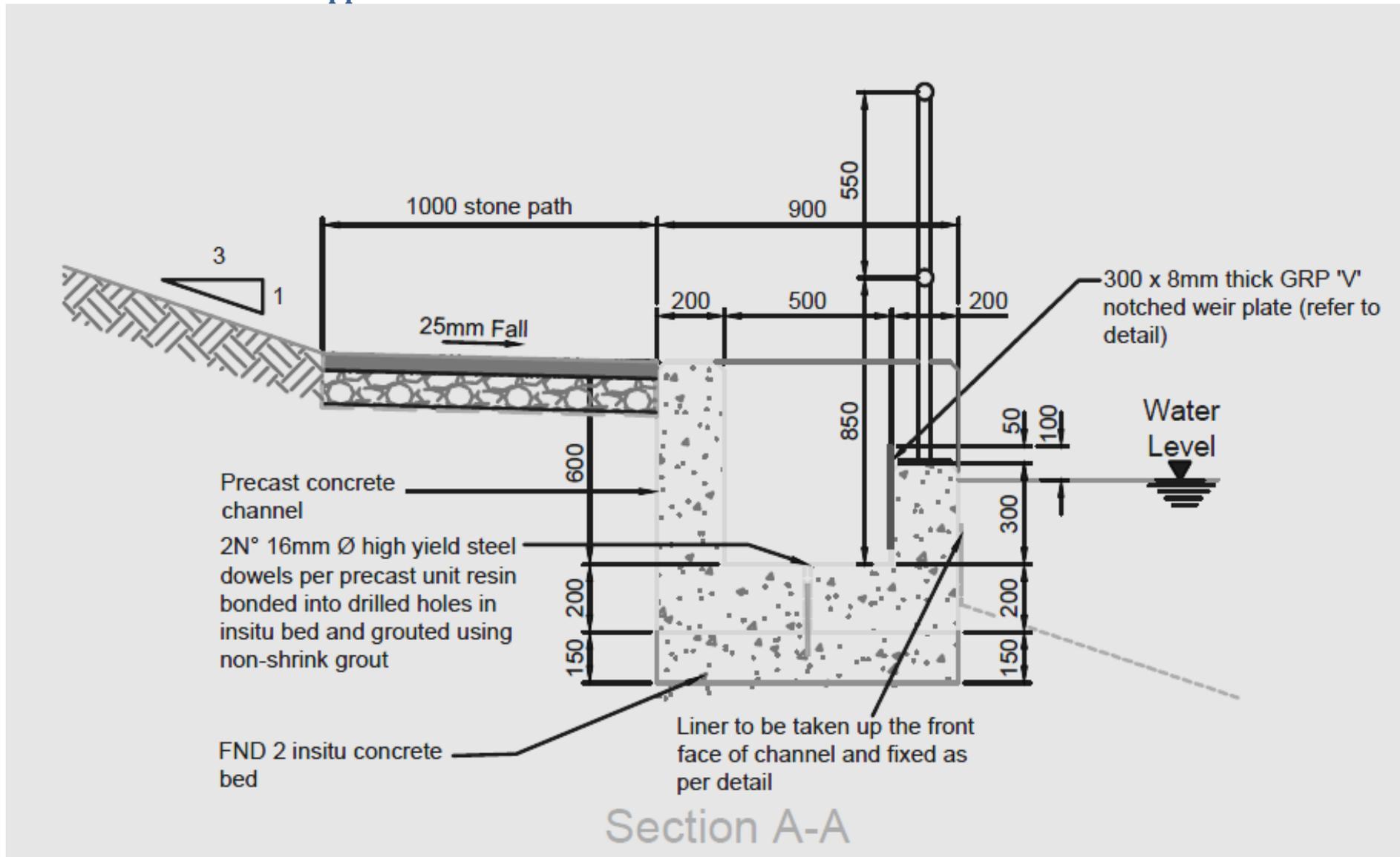
### Appendix H: Standard Details. General Cross-Sections (Lagoon No 1)



### Appendix H: Standard Details. Inlet & Outlet Channels (Lagoon No 1)



**Appendix H: Standard Details. Inlet & Outlet Channels Section**



## Appendix I: Transparency Guidance

Government has set out the need for greater transparency across its operations to enable the public to hold public bodies and politicians to account. This includes commitments relating to public expenditure, intended to help achieve better value for money.

As part of the transparency agenda, Government has made the following commitments with regard to procurement and contracting:

- All new central government ICT contracts over the value of £10,000 to be published in full online from July 2010.
- All new central government tender documents for contracts over £10,000 to be published on a single website from September 2010, with this information to be made available to the public free of charge.
- All new central government contracts over the value of £10,000 to be published in full from January 2011.
- New items of central government spending over £25,000 to published online from November 2010.

Suppliers and those organisations looking to bid for public sector contracts should be aware that if they are awarded a new Government contract, the resulting contract between the supplier and Government will be published. In some circumstances, limited redactions will be made to some contracts before they are published in order to comply with existing law and for the protection of national security.

The publication of information incorporates but is not limited to the following documentation/information. This will cover potential contract extensions and orders placed against a framework or term contract.

Contracts: contract, specification, terms and conditions, schedules and pricing – issued by both the tenderer and the Authority.

Tenders: invitation to tender, specification, terms and conditions, prequalification questionnaires, OJEU notices – issued by the Authority.

Spending: summary of invoice information in relation to payments made and includes invoice values – submitted by suppliers.